UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-K

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 x For the fiscal year ended December 31, 2018

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the transition period from

Commission File No. 000-19731

GILEAD SCIENCES, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or Other Jurisdiction of Incorporation or Organization)

333 Lakeside Drive, Foster City, California

(Address of principal executive offices)

94-3047598

(I.R.S. Employer Identification No.)

94404

Registrant's telephone number, including area code: 650-574-3000

SECURITIES REGISTERED PURSUANT TO SECTION 12(b) OF THE ACT:

Title of each class

Name of each exchange on which registered

Common Stock, \$0.001 par value per share

The Nasdaq Global Select Market

SECURITIES REGISTERED PURSUANT TO SECTION 12(g) OF THE ACT: NONE

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes 🗵 No 🗆 Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes 🗆 No 🗵

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes 🗷 No 🗆 Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes 🗵 No 🗆

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§ 229.405) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ■ Accelerated filer □ Non-accelerated filer □

Smaller reporting company ☐ Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. □

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes 🗆 No 🗷

The aggregate market value of the voting and non-voting common equity held by non-affiliates of the registrant based upon the closing price of its Common Stock on the Nasdaq Global Select Market on June 29, 2018 was \$79,506,595,778.*

The number of shares outstanding of the registrant's Common Stock on February 15, 2019 was 1,275,510,558.

DOCUMENTS INCORPORATED BY REFERENCE

Specified portions of the registrant's proxy statement, which will be filed with the Commission pursuant to Regulation 14A in connection with the registrant's 2019 Annual Meeting of Stockholders, to be held on May 8, 2019, are incorporated by reference into Part III of this Report.

Based on a closing price of \$70.84 per share on June 29, 2018. Excludes 173,576,690 shares of the registrant's Common Stock held by executive officers, directors and any stockholders whose ownership exceeds 5% of registrant's common stock outstanding at June 29, 2018. Exclusion of such shares should not be construed to indicate that any such person possesses the power, direct or indirect, to direct or cause the direction of the management or policies of the registrant or that such person is controlled by or under common control with the registrant.

GILEAD SCIENCES, INC.

2018 Form 10-K Annual Report

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We own or have rights to various trademarks, copyrights and trade names used in our business, including the following: GILEAD®, GILEAD SCIENCES®, AMBISOME®, ATRIPLA®, BIKTARVY®, CAYSTON®, COMPLERA®, DESCOVY®, EMTRIVA®, EPCLUSA®, EVIPLERA®, GENVOYA®, HARVONI®, HEPSERA®, LETAIRIS®, ODEFSEY®, RANEXA®, SOVALDI®, STRIBILD®, TRUVADA®, TRUVADAFORPREP®, TYBOST®, VEMLIDY®, VIREAD®, VOSEVI®, YESCARTA® and ZYDELIG®. LEXISCAN® is a registered trademark of Astellas U.S. LLC. MACUGEN® is a registered trademark of Eyetech, Inc. SYMTUZA® is a registered trademark of Janssen Sciences Ireland UC. TAMIFLU® is a registered trademark of Hoffmann-La Roche Inc. This report also includes other trademarks, service marks and trade names of other companies.

This Annual Report on Form 10-K, including the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations," contains forward-looking statements regarding future events and our future results that are subject to the safe harbors created under the Securities Act of 1933, as amended (the Securities Act), and the Securities Exchange Act of 1934, as amended (the Exchange Act). Words such as "expect," "anticipate," "target," "goal," "project," "hope," "intend," "plan," "believe," "seek," "estimate," "continue," "may," "could," "should," "might," "forecast," variations of such words and similar expressions are intended to identify such forward-looking statements. In addition, any statements other than statements of historical fact are forward-looking statements, including statements regarding overall trends, operating cost and revenue trends, liquidity and capital needs and other statements of expectations, beliefs, future plans and strategies, anticipated events or trends and similar expressions.

We have based these forward-looking statements on our current expectations about future events. These statements are not guarantees of future performance and involve risks, uncertainties and assumptions that are difficult to predict. Our actual results may differ materially from those suggested by these forward-looking statements for various reasons, including those identified in Part I, Item 1A of this Annual Report on Form 10-K under the heading "Risk Factors." Given these risks and uncertainties, you are cautioned not to place undue reliance on forward-looking statements. The forward-looking statements included in this report are made only as of the date hereof. Except as required under federal securities laws and the rules and regulations of the Securities and Exchange Commission (SEC), we do not undertake, and specifically decline, any obligation to update any of these statements or to publicly announce the results of any revisions to any forward-looking statements after the distribution of this report, whether as a result of new information, future events, changes in assumptions or otherwise.

### PART I

### ITEM 1. BUSINESS

#### Overview

Gilead Sciences, Inc. (Gilead, we, our or us), incorporated in Delaware on June 22, 1987, is a research-based biopharmaceutical company that discovers, develops and commercializes innovative medicines in areas of unmet medical need. With each new discovery and investigational drug candidate, we strive to transform and simplify care for people with life-threatening illnesses around the world. We have operations in more than 35 countries worldwide, with headquarters in Foster City, California. Gilead's primary areas of focus include HIV/AIDS, liver diseases, hematology/oncology and inflammation/respiratory diseases. We seek to add to our existing portfolio of products through our internal discovery and clinical development programs, product acquisition, inlicensing and strategic collaborations.

#### 2018 Highlights

2018 was marked by operational excellence and transition as we positioned ourselves for the future growth of our business. We continued to develop and deliver innovative medicines to help people with life-threatening illnesses around the world. Highlights of our 2018 performance include:

- HIV: We achieved record sales of our HIV products in 2018, with HIV product revenues increasing by 19% in the United States and 12% worldwide compared to 2017. This growth was driven by the successful launch of Biktarvy® and the continued strong uptake of our single tablet regimens containing tenofovir alafenamide (TAF) for the treatment of HIV infection as well as Truvada® for a pre-exposure prophylaxis (PrEP) indication for HIV prevention. Biktarvy, a once-daily single tablet regimen containing bictegravir, emtricitabine and TAF for the treatment of HIV infection in adults, was approved by the U.S. Food and Drug Administration (FDA) in February and by the European Commission in June.
- Liver Diseases: Our revenues from our chronic hepatitis C virus (HCV) products became more predictable in 2018. Because we wanted to introduce a lower-priced alternative to our HCV products without significant disruption to the healthcare system and our business, we authorized the launch of generic versions of Epclusa® and Harvoni® in the United States starting in January 2019 through our separate subsidiary, Asegua Therapeutics LLC (Asegua). We also continued to advance our clinical trials for the treatment of chronic hepatitis B virus (HBV) and nonalcoholic steatohepatitis (NASH), including completing enrollment of Phase 3 clinical trials of NASH.
- Cell Therapy and Immuno-Oncology: We advanced our pipeline of cancer therapies and positioned ourselves as a leader in cell therapy. Yescarta *was approved by the European Commission in August for the treatment of relapsed or refractory diffuse large B-cell lymphoma (DLBCL) and primary mediastinal large B-cell lymphoma (PMBCL) after two or more lines of systemic therapy. We certified additional centers in the United States and Europe to provide treatment for Yescarta. In order to advance and accelerate research and development efforts in cell therapy and immuno-oncology, during the year, we entered into key strategic collaborations with the National Cancer Institute, Pfizer, Inc. (Pfizer), Sangamo Therapeutics, Inc. (Sangamo), Gadeta B.V. (Gadeta), HiFiBiO Therapeutics (HiFiBiO), Tango Therapeutics (Tango) and Agenus Inc. (Agenus).
- Inflammation: We continued to advance our pipeline of novel investigational agents for inflammatory diseases, including announcing positive data on filgotinib in ongoing Phase 2 and 3 clinical trials. We also entered into a strategic collaboration with Verily Life Sciences LLC, an Alphabet company (Verily), using Verily's Immunoscape platform to identify and better understand the immunological basis of inflammatory diseases.

During the year, we continued to invest in and advance our research and development pipeline across our therapeutic areas. At the end of 2018, our research and development pipeline included 119 active clinical studies, of which 41 were Phase 3 clinical trials. Additionally, we completed 26 collaborations, partnerships and strategic investments in 2018, which reflects our commitment to enabling our access to new technologies and drug candidates with the potential to evolve care for people with life-threatening illnesses. Our investments in research and development reflect our commitment to expanding our pipeline across a range of diseases to address areas of significant unmet medical need and positioning ourselves for the long-term growth of our business.

### **Our Principal Products**

Our innovative medicines represent advancements by offering enhanced modes of delivery, more convenient treatment regimens, improved resistance profiles, reduced side effects and greater efficacy. Our focus on innovation has allowed us to deliver more than 24 marketed products across our primary areas of focus: HIV/AIDS, liver diseases, hematology/oncology and inflammation/respiratory diseases.

Our principal products and the approved indications in the United States are as follows:

#### HIV/AIDS

- **Biktarvy** is an oral formulation dosed once a day for the treatment of HIV-1 infection in certain patients. Biktarvy is a single tablet regimen of a fixed-dose combination of our antiretroviral medications, bictegravir, emtricitabine and TAF.
- **Descovy**® is an oral formulation indicated in combination with other antiretroviral agents for the treatment of HIV-1 infection in certain patients. Descovy is a fixed-dose combination of our antiretroviral medications, emtricitabine and TAF.
- Odefsey® is an oral formulation dosed once a day for the treatment of HIV-1 infection in certain patients. Odefsey is a single tablet regimen of a fixed-dose combination of our antiretroviral medications, emtricitabine and TAF, and rilpivirine marketed by Janssen Sciences Ireland UC, one of the Janssen Pharmaceutical Companies of Johnson & Johnson (Janssen).
- Genvoya® is an oral formulation dosed once a day for the treatment of HIV-1 infection in certain patients. Genvoya is a single tablet regimen of a fixed-dose combination of our antiretroviral medicines, elvitegravir, cobicistat, emtricitabine and TAF.
- Stribild® is an oral formulation dosed once a day for the treatment of HIV-1 infection in certain patients. Stribild is a single tablet regimen of a fixed-dose combination of our antiretroviral medications, elvitegravir, cobicistat, tenofovir disoproxil fumarate (TDF) and emtricitabine.
- Complera®/Eviplera® is an oral formulation dosed once a day for the treatment of HIV-1 infection in certain patients. The product, marketed in the United States as Complera and in Europe as Eviplera, is a single tablet regimen of a fixed-dose combination of our antiretroviral medications, TDF and emtricitabine, and Janssen's rilpivirine hydrochloride.
- Atripla® is an oral formulation indicated as a complete regimen for the treatment of HIV-1 infection in certain patients. Atripla is a fixed-dose combination of our antiretroviral medications, TDF and emtricitabine, and Bristol-Myers Squibb Company's (BMS's) efavirenz.
- Truvada® is an oral formulation indicated in combination with other antiretroviral agents for the treatment of HIV-1 infection in certain patients. It is a fixed-dose combination of our antiretroviral medications, TDF and emtricitabine. FDA also approved Truvada for a PrEP indication, in combination with safer sex practices, to reduce the risk of sexually acquired HIV-1 infection in certain at-risk patients.

### Liver Diseases

- **Vosevi**® is an oral formulation of a once-daily, single tablet regimen of sofosbuvir, velpatasvir and voxilaprevir for the re-treatment of chronic HCV infection in adults: (i) with genotype 1, 2, 3, 4, 5 or 6 previously treated with an NS5A inhibitor-containing regimen or (ii) with genotype 1a or 3 previously treated with a sofosbuvir-containing regimen without an NS5A inhibitor.
- Vemlidy® is an oral formulation of TAF dosed once a day for the treatment of chronic HBV infection in adults with compensated liver disease.
- **Epclusa**® is an oral formulation of a once-daily single tablet regimen of sofosbuvir and velpatasvir for the treatment of chronic HCV infection in adults with genotype 1, 2, 3, 4, 5 or 6: (i) without cirrhosis or with compensated cirrhosis or (ii) with decompensated cirrhosis for use in combination with ribavirin.
- Harvoni® is an oral formulation of a once-daily, single tablet regimen of ledipasvir and sofosbuvir for the treatment of chronic HCV infection in: (i) adults with genotype 1, 4, 5 or 6 without cirrhosis or with compensated cirrhosis, (ii) adults with genotype 1 infection with decompensated cirrhosis, in combination with ribavirin, (ii) adults with genotype 1 or 4 who are liver transplant recipients without cirrhosis or with compensated cirrhosis, in combination with ribavirin, or (iv) certain pediatric patients with genotype 1, 4, 5 or 6 without cirrhosis or with compensated cirrhosis.
- Viread® is an oral formulation of TDF dosed once a day for the treatment of chronic HBV infection in adults and certain pediatric patients.

### Hematology/Oncology

- Yescarta (axicabtagene ciloleucel) is a CAR T cell therapy for the treatment of adult patients with relapsed or refractory large B-cell lymphoma after
  two or more lines of systemic therapy, including DLBCL not otherwise specified, PMBCL, high-grade B-cell lymphoma and DLBCL arising from
  TFL.
- **Zydelig**® (idelalisib) is an oral formulation of a kinase inhibitor for the treatment of patients with: (i) relapsed chronic lymphocytic leukemia (CLL), in combination with rituximab, for whom rituximab alone would be considered appropriate therapy due to other co-morbidities, (ii) relapsed follicular B-cell non-Hodgkin lymphoma (FL) in patients who have received at least two prior systemic therapies or (iii) relapsed small lymphocytic lymphoma who have received at least two prior systemic therapies.

### Other

- Letairis® (ambrisentan) is an oral formulation of an endothelin receptor antagonist for the treatment of pulmonary arterial hypertension (PAH) (WHO Group I) (i) to improve exercise capacity and delay clinical worsening or (ii) in combination with tadalafil to reduce the risks of disease progression and hospitalization for worsening PAH, and to improve exercise ability.
- Ranexa® (ranolazine) is an oral formulation of an extended-release tablet of an antianginal for the treatment of chronic angina.
- AmBisome® (amphotericin B liposome for injection) is a proprietary liposomal formulation of amphotericin B, an antifungal agent, for the treatment of serious invasive fungal infections caused by various fungal species in adults.

For information about our product revenues, including the amount of revenue contributed by each of the products listed above for each of the last three fiscal years, see Note 2, Revenues, of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K.

### Commercialization and Distribution

We have U.S. and international commercial sales operations, with marketing subsidiaries in more than 35 countries. Our products are marketed through our commercial teams and/or in conjunction with third-party distributors and corporate partners. Our commercial teams promote our products through direct field contact with physicians, hospitals, clinics and other healthcare providers. We generally grant our third-party distributors the exclusive right to promote our product in a territory for a specified period of time. Most of our agreements with these distributors provide for collaborative efforts between the distributor and Gilead in obtaining and maintaining regulatory approval for the product in the specified territory.

We sell and distribute most of our products in the United States exclusively through the wholesale channel. Our product sales to three large wholesalers, McKesson Corporation, AmerisourceBergen Corporation and Cardinal Health, Inc., each accounted for more than 10% of total revenues for each of the years ended December 31, 2018, 2017 and 2016. On a combined basis, in 2018, these wholesalers accounted for approximately 85% of our product sales in the United States and approximately 62% of our total worldwide revenues. We sell and distribute our products in Europe and countries outside the United States where the product is approved, either through our commercial teams, third-party distributors or corporate partners.

### Competition

We operate in a highly competitive environment. We face significant competition from global pharmaceutical and biotechnology companies, specialized pharmaceutical firms and generic drug manufacturers. Our products compete with other commercially available products based primarily on efficacy, safety, tolerability, acceptance by doctors, ease of patient compliance, ease of use, price, insurance and other reimbursement coverage, distribution and marketing. As our products mature, private insurers and government payers often reduce the amount they will reimburse patients, which increases pressure on us to reduce prices. Further, as new branded or generic products are introduced into major markets, our ability to maintain pricing and market share may be affected. For a description of our competitors, see Item 1A - Risk Factors "We face significant competition."

### Research and Development

Our research and development (R&D) philosophy and strategy are to develop best-in-class drugs that improve safety or efficacy for unmet medical needs. We intend to continue committing significant resources to internal R&D opportunities and external business development activity.

Our product development efforts cover a wide range of medical conditions, including HIV/AIDS, liver diseases, hematology/oncology, and inflammation/respiratory diseases. We have research scientists engaged in the discovery and development of new molecules and technologies that we hope will lead to the approval of new medicines that will advance the current standard of care and address unmet medical needs.

The development of our product candidates is subject to various risks and uncertainties. These risks and uncertainties include our ability to enroll patients in clinical trials, the possibility of unfavorable results of our clinical trials, the need to modify or delay our clinical trials or to perform additional trials and the risk of failing to obtain regulatory approvals. As a result, our product candidates may never be successfully commercialized. Drug development is inherently risky and many product candidates fail during the drug development process.

Below is a summary of our key product candidates and their corresponding current stages of development.

Product Candidates for the Treatment of HIV/AIDS

Product Candidates	Description
Product in Phase 3	
Descovy	Descovy is being evaluated for a PrEP indication.
Product in Phase 2	
GS-9131	GS-9131, a nucleoside reverse transcriptase inhibitor, is being evaluated for the treatment of HIV infection.
Products in Phase 1	
GS-6207	GS-6207, a capsid inhibitor, is being evaluated for the treatment of HIV infection.
Vesatolimod	Vesatolimod (formerly GS-9620), a TLR-7 agonist, is being evaluated as a potential cure for HIV infection.
GS-9722	GS-9722, a broadly neutralizing antibody, is being evaluated as a potential cure for HIV infection.

 ${\it Product\ Candidates\ for\ the\ Treatment\ of\ Liver\ Diseases}$ 

Product Candidates	Description							
Product in Phase 3								
	Selonsertib, an ASK-1 inhibitor, is being evaluated in the STELLAR-3 trial for the treatment of NASH and bridging							
Selonsertib	fibrosis.							
Products in Phase 2								
GS-9688	GS-9688, a TLR-8 agonist, is being evaluated for the treatment of HBV infection.							
	Cilofexor (formerly GS-9674), a FXR agonist, is being evaluated for the treatment of NASH, primary biliary cirrhosis							
Cilofexor	and primary sclerosing cholangitis.							
Firsocostat	Firsocostat (formerly GS-0976), an ACC inhibitor, is being evaluated for the treatment of NASH.							

 ${\it Product Candidates for the Treatment of Hematology/Oncology}$ 

<b>Product Candidates</b>	Description
Products in Phase 3	
Axicabtagene ciloleucel	Axicabtagene ciloleucel is being evaluated for the treatment of second line diffuse large B-cell lymphoma (DLBCL).
<b>Products in Phase 2</b>	
Axicabtagene ciloleucel	Axicabtagene ciloleucel is being evaluated for the treatment of indolent non-Hodgkin lymphoma. Axicabtagene ciloleucel is also being evaluated for the treatment of DLBCL in combination with anti-PD-L1 mAB and first line DLBCL.
Tirabrutinib	Tirabrutinib, a BTK inhibitor, is being evaluated for the treatment of B-cell malignancies.
KTE-X19	KTE-X19, a CAR T cell therapy, is being evaluated for the treatment of mantle cell lymphoma and adult and pediatric acute lymphoblastic leukemia.
Products in Phase 1	
KITE-718	KITE-718, a MAGE A3/A6, is being evaluated for the treatment of solid tumors.
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Product Candidates	Description						
Product in Phase 3							
Filgotinib	Filgotinib, a JAK1 inhibitor, is being evaluated for the treatment of rheumatoid arthritis, Crohn's disease and ulcerative colitis.						
Products in Phase 2							
Filgotinib	Filgotinib is being evaluated for the treatment of various inflammatory diseases.						
GS-9876	GS-9876, a Syk inhibitor, is being evaluated for the treatment of Sjogren's syndrome and lupus.						
Products in Phase 1							
GS-4875	GS-4875, a TPL2 inhibitor, is being evaluated for the treatment of inflammatory bowel disease.						
Other Product Candidates							
Product Candidate	Description						
Product in Phase 2							

In addition to our internal discovery and clinical development programs, we seek to add to our portfolio of products through product acquisition, inlicensing and strategic collaborations. We completed 26 collaborations, partnerships and strategic investments in 2018, compared to 6 in 2017, which reflects our commitment to enabling our access to new technologies and drug candidates with the potential to evolve care for people with life-threatening illnesses.

Remdesivir, a Nuc inhibitor, is being evaluated for the treatment of Ebola virus infection.

### **Patents and Proprietary Rights**

Remdesivir

### U.S. and European Patent Expiration

We have a number of U.S. and foreign patents, patent applications and rights to patents related to our compounds, products and technology, but we cannot be certain that issued patents will be enforceable or provide adequate protection or that pending patent applications will result in issued patents.

The following table shows the estimated expiration dates (including patent term extensions, supplementary protection certificates and/or pediatric exclusivity where granted) in the United States and the European Union for the primary (typically compound) patents for our Phase 3 product candidates. For our product candidates that are fixed-dose combinations of single tablet regimens, the estimated patent expiration date provided corresponds to the latest expiring compound patent for one of the active ingredients in the single tablet regimen.

Phase 3 Product Candidates	Patent I	Expiration
Product Candidate for the Treatment of HIV/AIDS	U.S.	E.U.
Descovy for PrEP	2022*	2021*
Product Candidate for the Treatment of Liver Diseases		
Selonsertib for the treatment of NASH	2033	2033
Product Candidates for the Treatment of Hematology/Oncology		
Axicabtagene ciloleucel for the treatment of second line diffuse large B-cell lymphoma	2027	**
Product Candidate for the Treatment of Inflammation/Respiratory Diseases		
Filgotinib for the treatment of rheumatoid arthritis, Crohn's disease and ulcerative colitis	2030	2030

^{*}An application for patent term extension was filed in the United States that if granted would extend the U.S. expiration date to 2025. Applications for supplementary protection certificates were filed in the European Union that if granted would extend the E.U. expiration date to 2026.

^{**} The composition of matter patent has expired in the European Union. In the European Union and the United States, patent applications are pending relating to Kite's proprietary manufacturing processes.

The following table shows the actual or estimated expiration dates (including patent term extensions, supplementary protection certificates and/or pediatric exclusivity where granted) in the United States and the European Union for the primary (typically compound) patents for our principal products. For our products that are fixed-dose combinations or single tablet regimens, the estimated patent expiration dates provided correspond to the latest expiring compound patent for one of the active ingredients in the single tablet regimen.

Products	Patent Exp	piration
	U.S.	E.U.
Letairis	2018 (1)	2020
Ranexa	2019 (2)	2023
Atripla	2021 (3)	2017
Truvada	2021 (3)	2017 (4)
Descovy	2022 (7)	2021 (7)
Vemlidy	2022 (7)	2021 (7)
Complera/Eviplera	2025	2022 (6)
Zydelig	2025 (6)	2025 (6)
Odefsey	2025	2022 (6)
Yescarta	2027 (6)	_ (5)
Stribild	2029	2027 (6)
Genvoya	2029	2027 (6)
Harvoni	2030	2030 (6)
Epclusa	2032	2032
Biktarvy	2033	2033
Vosevi	2034	2033

These estimated expiration dates do not include any potential additional exclusivity (e.g., patent term extensions, supplementary protection certificates or pediatric exclusivity) that has not yet been granted.

### Notes:

- (1) In 2017, Gilead and Watson Laboratories, Inc. reached an agreement to settle a patent litigation matter related to Letairis.
- (2) In 2013, Gilead and Lupin Limited (Lupin) reached an agreement to settle a patent litigation matter related to Ranexa.
- (3) In 2014, Gilead and Teva Pharmaceuticals reached an agreement to settle the patent litigation concerning patents that protect emtricitabine in our Truvada and Atripla products.
- (4) Supplementary protection certificates (SPCs) have been granted in several European countries. The validity of these SPCs has been challenged by several generic manufacturers, many of whom launched their competing product in 2017. The validity of these SPCs is being considered in national courts and by the Court of Justice for the European Union.
- (5) The composition of matter patent has expired in the European Union. In the European Union and the United States, patent applications are pending relating to Kite's proprietary manufacturing processes.
- (6) Applications for patent term extensions are pending in the United States and/or SPCs are pending in one or more countries in the European Union for these products.
- (7) An application for patent term extension was filed in the United States that, if granted, would extend the U.S. expiration date to 2025. Applications for SPCs were filed in the European Union that, if granted, would extend the E.U. expiration date to 2026.

### Patent Protection and Certain Challenges

Patents and other proprietary rights are very important to our business. If we have a properly drafted and enforceable patent, it can be more difficult for our competitors to use our technology to create competitive products and more difficult for our competitors to obtain a patent that prevents us from using technology we create. As part of our business strategy, we actively seek patent protection both in the United States and internationally and file additional patent applications, when appropriate, to cover improvements in our compounds, products and technology.

Patents covering certain of the active pharmaceutical ingredients (API) of most of our HIV products as well as Yescarta, Letairis and Ranexa are held by third parties. We acquired exclusive rights to these patents in the agreements we have with these parties. We do not own patents covering ranolazine, the active ingredient of Ranexa. Instead, when it was discovered that only a sustained-release formulation of ranolazine would achieve therapeutic plasma levels, we obtained patents on those formulations and the characteristic plasma levels they achieve.

We may obtain patents for certain products many years before marketing approval is obtained. Because patents have a limited life that may begin to run prior to the commercial sale of the related product, the commercial value of the patent may be limited. However, we may be able to apply for patent term extensions or supplementary protection certificates in some countries. For

example, extensions for the patents or supplementary protection certificates on many of our products have been granted in the United States and in a number of European countries, compensating in part for delays in obtaining marketing approval. Similar patent term extensions may be available for other products we are developing, but we cannot be certain we will obtain them in some countries.

It is also important that we do not infringe the valid patents of third parties. If we infringe the valid patents of third parties, our reputations may be harmed and we may be required to pay significant monetary damages, we may be prevented from commercializing products or we may be required to obtain licenses from these third parties. We may not be able to obtain alternative technologies or any required license on reasonable terms or at all. If we fail to obtain these licenses or alternative technologies, we may be unable to develop or commercialize some or all of our products. For example, we are aware of patents and patent applications owned by other parties that such parties may claim to cover the use of sofosbuvir, axicabtagene ciloleucel and bictegravir.

Because patent applications are confidential for a period of time until a patent is issued, we may not know if our competitors have filed patent applications for technology covered by our pending applications or if we were the first to invent or first to file an application directed toward the technology that is the subject of our patent applications. Competitors may have filed patent applications or received patents and may obtain additional patents and proprietary rights that block or compete with our products. In addition, if competitors file patent applications covering our technology, we may have to participate in interference/derivation proceedings or litigation to determine the right to a patent. Litigation and interference/derivation proceedings are unpredictable and expensive, such that, even if we are ultimately successful, our results of operations may be adversely affected by such events.

Patents relating to pharmaceutical, biopharmaceutical and biotechnology products, compounds and processes such as those that cover our existing compounds, products and processes and those that we will likely file in the future, do not always provide complete or adequate protection. Future litigation or other proceedings regarding the enforcement or validity of our existing patents or any future patents could result in the invalidation of our patents or substantially reduce their protection. From time to time, certain individuals or entities may challenge our patents.

Our pending patent applications and the patent applications filed by our collaborative partners may not result in the issuance of any patents or may result in patents that do not provide adequate protection. As a result, we may not be able to prevent third parties from developing compounds or products that are closely related to those which we have developed or are developing. In addition, certain countries do not provide effective enforcement of our patents, and third-party manufacturers may be able to sell generic versions of our products in those countries.

For a description of our significant pending legal proceedings, see Note 13, Commitments and Contingencies - Legal Proceedings of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K.

#### Trade Secrets

We also rely on unpatented trade secrets and improvements, unpatented internal know-how and technological innovation. For example, a great deal of our liposomal manufacturing expertise, which is a key component of our liposomal technology, is not covered by patents but is instead protected as a trade secret. We protect these rights mainly through confidentiality agreements with our corporate partners, employees, consultants and vendors. These agreements provide that all confidential information developed or made known to an individual during the course of their relationship with us will be kept confidential and will not be used or disclosed to third parties except in specified circumstances. In the case of employees, the agreements provide that all inventions made by an individual while employed by us will be our exclusive property. We cannot be certain that these parties will comply with these confidentiality agreements, that we have adequate remedies for any breach or that our trade secrets will not otherwise become known or be independently discovered by our competitors. Under some of our R&D agreements, inventions become jointly owned by us and our corporate partner and in other cases become the exclusive property of one party. In certain circumstances, it can be difficult to determine who owns a particular invention and disputes could arise regarding those inventions. If our trade secrets or confidential information become known or independently discovered by competitors, or if we enter into disputes over ownership of inventions, our business and results of operations could be adversely affected.

### Manufacturing and Raw Materials

Our products are manufactured either at our own facilities or by third-party contract manufacturers. We depend on third parties to perform manufacturing activities for the majority of our API and drug products. For most of our products, including our HIV and HCV products, we use multiple third-party contract manufacturers so that we have primary and back-up suppliers and manufacturing sites. For Letairis, we are the exclusive manufacturer of the ambrisentan API, but we have another qualified supplier to make this API. For Yescarta, we have established clinical and commercial manufacturing facilities for the cell processing activities. For our future products, we continue to develop additional manufacturing capabilities and establish additional third-party suppliers to manufacture sufficient quantities of our product candidates to undertake clinical trials and to manufacture sufficient quantities of any product that is approved for commercial sale.

### Our Manufacturing Facilities

We own or lease manufacturing facilities in Foster City, San Dimas, La Verne, Oceanside and El Segundo, California; Dublin and Cork, Ireland; and Edmonton, Alberta, Canada, where we manufacture and distribute certain products and API for clinical and/or commercial uses.

- Foster City, California: We conduct process chemistry research and development activities, manufacture API for our clinical trials and oversee our third-party contract manufacturers.
- San Dimas and La Verne, California: We manufacture AmBisome (in San Dimas), package and label the majority of our commercial products and distribute our products to the Americas and Pacific Rim.
- · Oceanside, California: We utilize the facility for clinical manufacture and process development of our biologics candidates.
- · El Segundo, California: We utilize the facility for clinical and commercial manufacture and processing of Yescarta.
- Cork and Dublin, Ireland: We utilize the Cork facility for commercial manufacture, packaging and labeling of our antiviral products. We also perform quality control testing, labeling, packaging and final release of many of our products for distribution to the European Union and other international markets. The Dublin facility is also responsible for distribution activities of our products.
- Edmonton, Alberta, Canada: We conduct process chemistry research and scale-up activities of our clinical development candidates, manufacture API
  for both investigational and commercial products and conduct chemical development activities to improve existing commercial manufacturing
  processes.

### Third-Party Manufacturers

We believe the technology we use to manufacture our products is proprietary. For products manufactured by our third-party contract manufacturers, we have disclosed all necessary aspects of this technology to enable them to manufacture the products for us. We have agreements with these third-party manufacturers that are intended to restrict them from using or revealing this technology, but we cannot be certain that these third-party manufacturers will comply with these restrictions. In addition, these third-party manufacturers could develop their own technology related to the work they perform for us that we may need to manufacture our products. We could be required to enter into additional agreements with these third-party manufacturers if we want to use that technology ourselves or allow another manufacturer to use that technology. The third-party manufacturer could refuse to allow us to use their technology or could demand terms to use their technology that are not acceptable to us.

For more information about our third-party manufacturers, see Item 1A - Risk Factors "Manufacturing problems, including at our third-party manufacturers and corporate partners, could cause inventory shortages and delay product shipments and regulatory approvals, which may adversely affect our results of operations."

### Regulation of Manufacturing Process

The manufacturing process for pharmaceutical products is highly regulated and regulators may shut down manufacturing facilities that they believe do not comply with regulations. We, our third-party manufactures and our corporate partners are subject to current Good Manufacturing Practices, which are extensive regulations governing manufacturing processes, stability testing, record keeping and quality standards as defined by FDA and the European Medicines Agency (EMA). Similar regulations are in effect in other jurisdictions. Our manufacturing operations are subject to routine inspections by regulatory agencies.

For Yescarta, we are required by FDA to comply with the Risk Evaluation and Mitigation Strategy program, which includes educating and certifying medical personnel regarding the therapy procedures and the potential side effect profile of our therapy, such as the potential adverse side effects related to cytokine release syndrome and neurologic toxicities. Additionally, we are required to maintain a complex chain of identity and custody with respect to patient material as such material moves to the manufacturing facilities, through the manufacturing process, and back to the patient.

### Access to Raw Materials

We need access to certain raw materials to conduct our clinical trials and manufacture our products. These raw materials are generally available from multiple sources, purchased worldwide and normally available in quantities adequate to meet the needs of our business. We attempt to manage the risks associated with our supply chain by inventory management, relationship management and evaluation of alternative sources when feasible. For more information, see Item 1A - Risk Factors "We may not be able to obtain materials or supplies necessary to conduct clinical trials or to manufacture and sell our products, which would limit our ability to generate revenues."

### Seasonality of Operations and Backlog

Our worldwide product sales do not reflect any significant degree of seasonality in end-user demand. In the United States, fluctuations in wholesaler inventory levels have impacted our product sales. We have observed that strong wholesaler and sub-

wholesaler purchases of our products in the fourth quarter have resulted in inventory draw-down by wholesalers and sub-wholesalers in the subsequent first quarter. Several other factors, including government budgets, annual grant cycles for federal and state funds and other buying patterns, have impacted the product sales recorded in a particular quarter. For more information, see Item 1A - Risk Factors "Our inability to accurately predict demand for our products, uptake of new products or fluctuations in customer inventories makes it difficult for us to accurately forecast sales and may cause our forecasted revenues and earnings to fluctuate, which could adversely affect our financial results and our stock price."

For the most part, we operate in markets characterized by short lead times and the absence of significant backlogs. We do not believe that backlog information is material to our business as a whole.

### **Government Regulation**

Our operations and activities are subject to extensive regulation by numerous government authorities in the United States, the European Union and other countries, including laws and regulations governing the testing, manufacture, safety, efficacy, labeling, storage, record keeping, approval, advertising and promotion of our products. As a result of these regulations, product development and product approval processes are very expensive and time consuming. The regulatory requirements applicable to drug development and approval are subject to change. Any legal and regulatory changes may impact our operations in the future.

A country's regulatory agency, such as FDA in the United States and EMA/European Commission for the European Union, must approve a drug before it can be sold in the respective country or countries. The general process for drug approval in the United States is summarized below. Many other countries, including countries in the European Union, have similar regulatory structures.

#### Preclinical Testing

Before we can test a drug candidate in humans, we must study the drug in laboratory experiments and in animals to generate data to support the drug candidate's potential benefits and safety. We submit this data to FDA in an investigational new drug (IND) application seeking its approval to test the compound in humans.

### Clinical Trials

If FDA accepts the IND, the drug candidate can then be studied in human clinical trials to determine if the drug candidate is safe and effective. These clinical trials involve three separate phases that often overlap, can take many years and are very expensive. These three phases, which are subject to considerable regulation, are as follows:

- Phase 1. The drug candidate is given to a small number of healthy human control subjects or patients suffering from the indicated disease, to test for safety, dose tolerance, pharmacokinetics, metabolism, distribution and excretion.
- Phase 2. The drug candidate is given to a limited patient population to determine the effect of the drug candidate in treating the disease, the best dose of the drug candidate, and the possible side effects and safety risks of the drug candidate. It is not uncommon for a drug candidate that appears promising in Phase 1 clinical trials to fail in the more rigorous and extensive Phase 2 clinical trials.
- Phase 3. If a drug candidate appears to be effective and safe in Phase 2 clinical trials, Phase 3 clinical trials are commenced to confirm those results. Phase 3 clinical trials are conducted over a longer term, involve a significantly larger population, are conducted at numerous sites in different geographic regions and are carefully designed to provide reliable and conclusive data regarding the safety and benefits of a drug candidate. It is not uncommon for a drug candidate that appears promising in Phase 2 clinical trials to fail in the more rigorous and extensive Phase 3 clinical trials.

### FDA Approval Process

When we believe that the data from our clinical trials show an acceptable benefit-risk profile, we submit the appropriate filing, usually in the form of a New Drug Application (NDA) or supplemental NDA, with FDA seeking approval to sell the drug candidate for a particular use. FDA may hold a public hearing where an independent advisory committee of expert advisors asks additional questions and makes recommendations regarding the drug candidate. This committee makes a recommendation to FDA that is not binding but is generally followed by FDA. If FDA agrees that the compound has met the required level of safety and efficacy for a particular use, it will allow us to sell the drug candidate in the United States for that use. It is not unusual, however, for FDA to reject an application because it believes that the drug candidate is not safe enough or efficacious enough or because it does not believe that the data submitted is reliable or conclusive.

At any point in this process, the development of a drug candidate can be stopped for a number of reasons including safety concerns and lack of treatment benefit. We cannot be certain that any clinical trials that we are currently conducting or any that we conduct in the future will be completed successfully or within any specified time period. We may choose, or FDA may require us, to delay or suspend our clinical trials at any time if it appears that the patients are being exposed to an unacceptable health risk or if the drug candidate does not appear to have sufficient treatment benefit.

FDA may also require Phase 4 non-registrational studies to explore scientific questions to further characterize safety and efficacy during commercial use of our drug. FDA may also require us to provide additional data or information, improve our manufacturing processes, procedures or facilities or may require extensive surveillance to monitor the safety or benefits of our product candidates if it determines that our filing does not contain adequate evidence of the safety and benefits of the drug. In addition, even if FDA approves a drug, it could limit the uses of the drug. FDA can withdraw approvals if it does not believe that we are complying with regulatory standards or if problems are uncovered or occur after approval.

In addition to obtaining FDA approval for each drug, we obtain FDA approval of the manufacturing facilities for any drug we sell, including those of companies who manufacture our drugs for us. All of these facilities are subject to periodic inspections by FDA. FDA must also approve foreign establishments that manufacture products to be sold in the United States and these facilities are subject to periodic regulatory inspection. Our manufacturing facilities located in California also must be licensed by the State of California in compliance with local regulatory requirements. Our manufacturing facilities in Canada and Ireland also must obtain local licenses and permits in compliance with local regulatory requirements.

Drugs that treat serious or life-threatening diseases and conditions that are not adequately addressed by existing drugs, and for which the development program is designed to address the unmet medical need, may be designated as fast track candidates by FDA and may be eligible for priority review. Drugs for the treatment of HIV infection that are designated for use under the U.S. President's Emergency Plan for AIDS Relief may also qualify for an expedited review.

### European Union Approval Process

Drugs are also subject to extensive regulation outside of the United States. In the European Union, there is a centralized approval procedure that authorizes marketing of a product in all countries of the European Union. If this centralized approval procedure is not used, approval in one country of the European Union can be used to obtain approval in another country of the European Union under one of two simplified application processes: the mutual recognition procedure or the decentralized procedure, both of which rely on the principle of mutual recognition. After receiving regulatory approval through any of the European registration procedures, separate pricing and reimbursement approvals are also required in most countries. The European Union also has requirements for approval of manufacturing facilities for all products that are approved for sale by the European regulatory authorities.

### Pricing and Reimbursement

Successful commercialization of our products depends, in part, on the availability of governmental and third-party payer reimbursement for the cost of such products and related treatments in the markets where we sell our products. Government health authorities, private health insurers and other organizations generally provide reimbursement. In the United States, the European Union and other significant or potentially significant markets for our products and product candidates, government authorities and third-party payers are increasingly attempting to limit or regulate the price of medical products and services. A significant portion of our sales of the majority of our products are subject to substantial discounts from the list prices. As a result, the price increases we implement from time to time on certain products may have a limited effect on our product sales in certain markets. In addition, standard reimbursement structures may not adequately reimburse for innovative therapies.

As our products mature, private insurers and government payers often reduce the amount they will reimburse patients, which increases pressure on us to reduce prices. Further, as new branded or generic products are introduced into major markets, our ability to maintain pricing and market share may be affected.

For more information, see Item 1A - Risk Factors "Our existing products are subject to reimbursement from government agencies and other third parties. Pharmaceutical pricing and reimbursement pressures may reduce profitability." and "Our inability to accurately predict demand for our products, uptake of new products or fluctuations in customer inventories make it difficult for us to accurately forecast sales and may cause our forecasted revenues and earnings to fluctuate, which could adversely affect our financial results and our stock price."

### Patient Assistance Programs

Recently, there has been enhanced scrutiny of company-sponsored patient assistance programs, including insurance premium and co-pay assistance programs and donations to third-party charities that provide such assistance. There has also been enhanced scrutiny by governments on reimbursement support offerings, clinical education programs and promotional speaker programs. If we, or our agents, vendors or donation recipients, are deemed to have failed to comply with laws, regulations or government guidance in any of these areas, we could be subject to criminal and civil sanctions. Any similar violations by our competitors could also negatively impact our industry reputation and increase scrutiny over our business and our products.

Health Care Fraud and Abuse Laws; Anti-Bribery Laws

We are subject to various federal and state laws pertaining to health care "fraud and abuse," including anti-kickback laws and false claim laws. Anti-kickback laws make it illegal for a prescription drug manufacturer to solicit, offer, receive or pay any remuneration in exchange for, or to induce, the referral of business, including the purchase or prescription of a particular drug. Due to the breadth of the statutory provisions and the increasing attention being given to them by law enforcement authorities, it is possible that certain of our practices may be challenged under anti-kickback or similar laws. False claims laws generally prohibit anyone from knowingly presenting, or causing to be presented, a false or fraudulent claim for payment by federal and certain state payers (including Medicare and Medicaid), or knowingly making, using or causing to be made or used, a false record or statement material to a false or fraudulent claim. Our sales, marketing, patient support and medical activities may be subject to scrutiny under these laws.

In addition, the U.S. Foreign Corrupt Practices Act and similar worldwide anti-bribery laws generally prohibit companies and their intermediaries from making improper payments for the purpose of obtaining or retaining business. Our policies mandate compliance with these anti-bribery laws. We operate in parts of the world that have experienced governmental corruption to some degree. In certain circumstances, strict compliance with anti-bribery laws may conflict with local customs and practices or may require us to interact with doctors and hospitals, some of which may be state controlled, in a manner that is different than local custom.

Despite our training and compliance program, our internal control policies and procedures may not protect us from reckless or criminal acts committed by our employees or agents. Violations of fraud and abuse laws or anti-bribery laws may be punishable by criminal and/or civil sanctions, including fines and civil monetary penalties, as well as the possibility of exclusion from federal health care programs (including Medicare and Medicaid). Violations can also lead to the imposition of a Corporate Integrity Agreement or similar government oversight program.

### U.S. Healthcare Reform

The U.S. federal and state governments continue to propose and pass legislation designed to regulate the healthcare industry, including legislation that seeks to indirectly or directly regulate pharmaceutical drug pricing.

For more information, see Item 1A - Risk Factors "Our results of operations may be adversely affected by current and potential future healthcare legislative and regulatory actions" and "Laws and regulations applicable to the health care industry could impose new obligations on us, require us to change our business practices and restrict our operations in the future."

### **Employees**

As of January 31, 2019, we had approximately 11,000 employees. We believe we have good relations with our employees.

#### **Environment**

We are subject to a number of laws and regulations that require compliance with federal, state, and local regulations for the protection of the environment. The regulatory landscape continues to evolve, and we anticipate additional regulations in the near future. Laws and regulations are implemented and under consideration to mitigate the effects of climate change mainly caused by greenhouse gas emissions. Our business is not energy intensive. Therefore, we do not anticipate being subject to a cap and trade system or other mitigation measure that would materially impact our capital expenditures, operations or competitive position.

### Other Information

We are subject to the information requirements of the Exchange Act. Therefore, we file periodic reports, proxy and information statements and other information with the SEC. The SEC maintains a website (http://www.sec.gov) that contains reports, proxy and information statements and other information regarding issuers that file electronically with the SEC.

The mailing address of our headquarters is 333 Lakeside Drive, Foster City, California 94404, and our telephone number at that location is 650-574-3000. Our website is www.gilead.com. Through a link on the "Investors" page of our website (under "SEC Filings" section), we make available the following filings free of charge as soon as reasonably practicable after they are electronically filed with or furnished to the SEC: our Annual Reports on Form 10-K; Quarterly Reports on Form 10-Q; Current Reports on Form 8-K; and any amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act.

### Transactions with Iran

We did not engage in any transactions within Iran during 2018 that would require disclosure in this Annual Report on Form 10-K.

#### Item 1A. RISK FACTORS

In evaluating our business, you should carefully consider the following risks in addition to the other information in this Annual Report on Form 10-K. A manifestation of any of the following risks could materially and adversely affect our business, results of operations and financial condition. We note these factors for investors as permitted by the Private Securities Litigation Reform Act of 1995. It is not possible to predict or identify all such factors and, therefore, you should not consider the following risks to be a complete statement of all the potential risks or uncertainties that we face.

### A substantial portion of our revenues is derived from sales of products to treat HIV and HCV. If we are unable to increase HIV sales or if HCV sales decrease more than anticipated, then our results of operations may be adversely affected.

We receive a substantial portion of our revenue from sales of our products for the treatment of HIV infection. During the year ended December 31, 2018, sales of our HIV products accounted for approximately 67% of our total product sales, and we expect our HIV products to account for a higher percentage of our total product sales in 2019 than in 2018. Most of our HIV products contain tenofovir alafenamide (TAF), tenofovir disoproxil fumarate (TDF) and/or emtricitabine, which belong to the nucleoside class of antiviral therapeutics. If the treatment paradigm for HIV changes, causing nucleoside-based therapeutics to fall out of favor, or if we are unable to maintain or increase our HIV product sales, our results of operations would likely suffer and we would likely need to scale back our operations, including our future drug development and spending on research and development (R&D) efforts.

During the year ended December 31, 2018, sales of our products for the treatment of chronic hepatitis C virus (HCV) infection accounted for approximately 17% of our total product sales. Our HCV revenues have declined, and we expect a further decline in product sales in 2019, compared to 2018, in major markets. The drivers of our HCV product revenues are patient starts, net pricing, market share and treatment duration. With treatment duration stabilizing and pricing largely stabilizing, we expect to continue to compete for market share across market segments and geographies. We anticipate patient starts to continue to steadily decline and be more predictable. Any unexpected and adverse changes to these drivers, including any larger than anticipated shifts, may adversely impact our HCV product revenues.

In addition, future sales of our HIV and HCV products depend, in part, on the extent of reimbursement of our products by private and public payers. We may continue to experience global pricing pressure that could result in larger discounts or rebates on our products or delayed reimbursement, which negatively impacts our product sales and results of operations. Also, private and public payers can choose to exclude our products from their formulary coverage lists or limit the types of patients for whom coverage will be provided, which would negatively impact the demand for, and revenues of, our products. Any change in the formulary coverage, reimbursement levels or discounts or rebates offered on our products to payers may impact our anticipated revenues. If we are unable to achieve our forecasted HIV and HCV sales, our stock price could be adversely impacted.

We may be unable to sustain or increase sales of our HIV or HCV products for any number of reasons including, but not limited to, the reasons discussed above and the following:

- As our products are used over a longer period of time in many patients and in combination with other products, and additional studies are
  conducted, new issues with respect to safety, resistance and interactions with other drugs may arise, which could cause us to provide additional
  warnings or contraindications on our labels, narrow our approved indications or halt sales of a product, each of which could reduce our revenues.
- As our products mature, private insurers and government payers often reduce the amount they will reimburse patients for these products, which increases pressure on us to reduce prices.
- · If physicians do not see the benefit of our HIV or HCV products, the sales of our HIV or HCV products will be limited.
- · As new branded or generic products are introduced into major markets, our ability to maintain pricing and market share may be affected.

### If we fail to commercialize new products or expand the indications for existing products, our prospects for future revenues and our results of operations may be adversely affected.

If we do not introduce new products or increase sales of our existing products, we will not be able to increase or maintain our total revenues nor continue to expand our R&D efforts, and our results of operations may be adversely affected. Drug development is inherently risky and many product candidates fail during the drug development process. We may decide to terminate product development after expending significant resources and effort. For example, we recently announced that our KITE-585, an anti- B-cell maturation antigen (anti-BCMA) being evaluated for the treatment of multiple myeloma, will not be moving forward. We also recently announced that STELLAR-4, a Phase 3 study evaluating the safety and efficacy of selonsertib in patients with compensated cirrhosis due to nonalcoholic steatohepatitis (NASH), did not meet the pre-specified week 48 primary endpoint. In addition, if we are unable to obtain regulatory approval for product candidates, our future revenue growth and results of operations may be adversely impacted.

Further, any future marketing applications we file may not be approved by the regulatory authorities on a timely basis, or at all. Even if marketing approval is granted, there may be significant limitations on their use.

Our inability to accurately predict demand for our products, uptake of new products or fluctuations in customer inventories makes it difficult for us to accurately forecast sales and may cause our forecasted revenues and earnings to fluctuate, which could adversely affect our financial results and stock price.

We may be unable to accurately predict demand for our products, including the uptake of new products, as demand depends on a number of factors. For example, the non-retail sector in the United States, which includes government institutions, including state AIDS Drug Assistance Programs (ADAPs), the U.S. Department of Veterans Affairs, correctional facilities and large health maintenance organizations, tends to be even less consistent in terms of buying patterns and often causes quarter-over-quarter fluctuations that do not necessarily mirror patient demand for our products. Federal and state budget pressures, as well as the annual grant cycles for federal and state funds, may cause purchasing patterns to not reflect patient demand of our products. For example, in the first quarters of 2018 and certain prior years, we observed large non-retail purchases of our HIV products by a number of state ADAPs that exceeded patient demand. We believe such purchases were driven by the grant cycle for federal ADAP funds. We expect to continue to experience fluctuations in the purchasing patterns of our non-retail customers which may result in fluctuations in our product sales, revenues and earnings in the future. In light of the budget crises faced by many European countries, we have observed variations in purchasing patterns induced by cost containment measures in Europe. We believe these measures have caused some government agencies and other purchasers to reduce inventory of our products in the distribution channels, which has decreased our revenues and caused fluctuations in our product sales and earnings. We may continue to see this trend in the future.

We sell and distribute most of our products in the United States exclusively through the wholesale channel. During the year ended December 31, 2018, approximately 85% of our product sales in the United States were to three wholesalers, AmerisourceBergen Corp., Cardinal Health, Inc. and McKesson Corp. The U.S. wholesalers with whom we have entered into inventory management agreements make estimates to determine end user demand and may not be completely effective in matching their inventory levels to actual end user demand. As a result, changes in inventory levels held by those wholesalers can cause our operating results to fluctuate unexpectedly if our sales to these wholesalers do not match end user demand. In addition, inventory is held at retail pharmacies and other non-wholesaler locations with whom we have no inventory management agreements and no control over buying patterns. Adverse changes in economic conditions, increased competition or other factors may cause retail pharmacies to reduce their inventories of our products, which would reduce their orders from wholesalers and, consequently, the wholesalers' orders from us, even if end user demand has not changed. For example, during the fourth quarter of 2017, strong wholesaler and sub-wholesaler purchases of our products resulted in inventory draw-down by wholesalers and sub-wholesalers in the first quarter of 2018. As inventory in the distribution channel fluctuates from quarter to quarter, we may continue to see fluctuations in our earnings and a mismatch between prescription demand for our products and our revenues.

In addition, we estimate the rebates we will be required to pay in connection with sales during a particular quarter based on claims data from prior quarters. In the United States, actual rebate claims are typically made by payers one to three quarters in arrears. Actual claims may vary significantly from our estimates which can cause an adjustment to our product revenues. To the extent our actual or anticipated product revenues exceed or fall short of investors' expectations, our stock price could be adversely impacted.

### Yescarta, a chimeric antigen receptor (CAR) T cell therapy, represents a novel approach to cancer treatment that creates significant challenges for us, which may impact our ability to increase sales of Yescarta.

Yescarta, a CAR T cell therapy, involves (i) harvesting T cells from the patient's blood, (ii) engineering T cells to express cancer-specific receptors, (iii) increasing the number of engineered T cells and (iv) infusing the functional cancer-specific T cells back into the patient. Advancing this novel and personalized therapy creates significant challenges, including:

- educating and certifying medical personnel regarding the procedures and the potential side effect profile of our therapy, such as the potential adverse side effects related to cytokine release syndrome and neurologic toxicities, in compliance with the Risk Evaluation and Mitigation Strategy (REMS) program required by FDA for Yescarta;
- using medicines to manage adverse side effects of our therapy, such as tocilizumab and corticosteroids, which may not be available in sufficient quantities, may not adequately control the side effects and/or may have a detrimental impact on the efficacy of the treatment;
- developing a robust and reliable process, while limiting contamination risks, for engineering a patient's T cells ex vivo and infusing the engineered T cells back into the patient; and
- · conditioning patients with chemotherapy in advance of administering our therapy, which may increase the risk of adverse side effects.

The use of engineered T cells as a potential cancer treatment is a recent development and may not be broadly accepted by physicians, patients, hospitals, cancer treatment centers, payers and others in the medical community. We may not be able to establish or demonstrate to the medical community or commercial or governmental payers the safety and efficacy of Yescarta and the potential advantages compared to existing and future therapeutics. If we fail to overcome these significant challenges, our sales of Yescarta, results of operations and stock price could be adversely affected.

### We face significant competition.

We face significant competition from global pharmaceutical and biotechnology companies, specialized pharmaceutical firms and generic drug manufacturers. Our products compete with other available products based primarily on efficacy, safety, tolerability, acceptance by doctors, ease of patient compliance, ease of use, price, insurance and other reimbursement coverage, distribution and marketing.

Our TAF-containing HIV products compete primarily with products from ViiV Healthcare Company (ViiV). We also face competition from generic HIV products. Generic versions of efavirenz, a component of Atripla, are available in the United States, Canada and Europe. We have observed some pricing pressure related to the efavirenz component of our Atripla sales. TDF, one of the active pharmaceutical ingredients in Truvada, Atripla, Complera/Eviplera and Stribild, faces generic competition in the European Union, the United States and certain other countries. In addition, because emtricitabine, the other active pharmaceutical ingredient of Truvada, faces generic competition in the European Union, Truvada also faces generic competition in the European Union and certain other countries outside of the United States.

Our HCV products compete primarily with products marketed by AbbVie and Merck.

Our HBV products face competition from existing therapies for treating patients with HBV as well as generic versions of TDF. Our HBV products also compete with products marketed by Bristol-Myers Squibb Company and Novartis Pharmaceuticals Corporation (Novartis).

Yescarta competes with a CAR T cell therapy marketed by Novartis and is expected to compete with products from other companies developing advanced T cell therapies.

Letairis competes with products marketed by Actelion Pharmaceuticals US, Inc., United Therapeutics Corporation and Pfizer Inc. Because the U.S. patent for ambrisentan, the active pharmaceutical ingredient in Letairis, expired in July 2018, Letairis is expected to face competition from manufacturers of generic versions of Letairis in the United States.

Ranexa competes predominantly with generic compounds from three distinct classes of drugs for the treatment of chronic angina in the United States, including generic and/or branded beta-blockers, calcium channel blockers and long-acting nitrates. Ranexa is expected to face competition from manufacturers of generic versions of Ranexa in the United States starting in the first quarter of 2019.

In addition, a number of companies are pursuing the development of technologies which are competitive with our existing products or research programs. These competing companies include specialized pharmaceutical firms and large pharmaceutical companies acting either independently or together with other pharmaceutical companies. Furthermore, academic institutions, government agencies and other public and private organizations conducting research may seek patent protection and may establish collaborative arrangements for competitive products or programs. If any of these competitors gain market share as a result of new technologies, commercialization strategies or otherwise, it could adversely affect our results of operations and stock price.

### Our results of operations may be adversely affected by current and potential future healthcare legislative and regulatory actions.

Legislative and regulatory actions affecting government prescription drug procurement and reimbursement programs occur relatively frequently. In the United States, the Affordable Care Act (the ACA) was enacted in 2010 to expand healthcare coverage. Since then, numerous efforts have been made to repeal, amend or administratively limit the ACA in whole or in part. For example, the Tax Cuts and Jobs Act, signed into law by President Trump in 2017, repealed the individual health insurance mandate, which is considered a key component of the ACA. In December 2018, a Texas federal district court struck down the ACA on the ground that the individual health insurance mandate is unconstitutional, although this ruling has been stayed pending appeal. The ongoing challenges to the ACA have resulted in uncertainty regarding its future viability and destabilization of the health insurance market. The resulting impact on our business is uncertain and could be material.

Efforts to control prescription drug prices could also have a material adverse effect on our business. For example, in 2018, President Trump and the Secretary of the U.S. Department of Health and Human Services (HHS) released the "American Patients First Blueprint" and have begun implementing certain portions. The initiative includes proposals to increase generic drug and biosimilar competition, enable the Medicare program to negotiate drug prices more directly and improve transparency regarding drug prices and ways to lower consumers' out-of-pocket costs. The Trump administration also proposed to establish an "international pricing index" that would be used as a benchmark to determine the costs of drugs under Medicare Part B. In addition, many states

have proposed or enacted legislation that seeks to indirectly or directly regulate pharmaceutical drug pricing, such as by requiring biopharmaceutical manufacturers to publicly report proprietary pricing information or to place a maximum price ceiling on pharmaceutical products purchased by state agencies. For example, in 2017, California's governor signed a prescription drug price transparency state bill into law, requiring prescription drug manufacturers to provide advance notice and explanation for price increases of certain drugs that exceed a specified threshold. Similar bills have been introduced at the federal level. Such initiatives and legislation may cause added pricing pressures on our products.

Changes to the Medicaid program at the federal or state level could also have a material adverse effect on our business. Proposals that could impact coverage and reimbursement of our products, including giving states more flexibility to manage drugs covered under the Medicaid program and permitting the re-importation of prescription medications from Canada or other countries, could have a material adverse effect by limiting our products' use and coverage. Furthermore, state Medicaid programs could request additional supplemental rebates on our products as a result of an increase in the federal base Medicaid rebate. To the extent that private insurers or managed care programs follow Medicaid coverage and payment developments, they could use the enactment of these increased rebates to exert pricing pressure on our products, and the adverse effects may be magnified by their adoption of lower payment schedules.

Other proposed regulatory actions affecting manufacturers could have a material adverse effect on our business. For example, in December 2018, HHS proposed a rule that would modify the Medicare Part D protected class policy to provide Part D Plan Sponsors broader authority to impose step therapy, prior authorization and other utilization management controls on products in the Part D protected classes, including our HIV products. In January 2019, HHS also proposed a rule that would remove regulatory protection under the Discount Safe Harbor to the Federal Anti-Kickback Statute for manufacturer rebates paid to Part D Plan Sponsors, Medicaid managed care organizations and pharmacy benefit managers under contract with them, and would create new safe harbors for arrangements with these entities. It is difficult to predict the impact, if any, of any such proposed legislative and regulatory actions or resulting state actions on the use and reimbursement of our products in the United States, but our results of operations may be adversely affected.

### Our existing products are subject to reimbursement from government agencies and other third parties. Pharmaceutical pricing and reimbursement pressures may reduce profitability.

Successful commercialization of our products depends, in part, on the availability of governmental and third-party payer reimbursement for the cost of such products and related treatments in the markets where we sell our products. Government health authorities, private health insurers and other organizations generally provide reimbursement. In the United States, the European Union and other significant or potentially significant markets for our products and product candidates, government authorities and third-party payers are increasingly attempting to limit or regulate the price of medical products and services. A substantial portion of sales of the majority of our products is subject to significant discounts from list price. In addition, standard reimbursement structures may not adequately reimburse for innovative therapies.

For example, effective October 2018, the Centers for Medicare and Medicaid Services (CMS) established inpatient reimbursement for patients receiving Yescarta. The reimbursement includes payment for a severity adjusted diagnosis related group (DRG) 016, a new technology add-on payment (NTAP) for Yescarta that at most will cover one half the cost of Yescarta and may cover less than that, and, in some cases, an outlier payment. Taken together, the total payment may not be sufficient to reimburse hospitals for their cost of care for patients receiving Yescarta. This payment methodology is likely to be in effect until at least September 2020. Limited payments such as this could impact the willingness of some hospitals to offer the therapy and of doctors to recommend the therapy and could lessen the attractiveness of our therapy to patients, which could have an adverse effect on sales of Yescarta and on our results of operations. CMS has also proposed a National Coverage Decision on CAR T cells and would impose certain coverage limitations on that therapy. These coverage limitations would apply to the entire Medicare program and includes, among other things, a requirement for patients to be enrolled in a clinical trial or registry in order for the hospital and physician to be paid for CAR T cell therapy. Further, commercial payers may follow Medicare coverage policies and could impose similar limitations. Additionally, in the European Union, there are barriers to reimbursement in individual countries that could limit the uptake of Yescarta.

### Laws and regulations applicable to the health care industry could impose new obligations on us, require us to change our business practices and restrict our operations in the future.

The health care industry is subject to various federal, state and international laws and regulations pertaining to drug reimbursement, rebates, price reporting, health care fraud and abuse, and data privacy and security. In the United States, these laws include anti-kickback and false claims laws, laws and regulations relating to the Medicare and Medicaid programs and other federal and state programs, the Medicaid Rebate Statute, individual state laws relating to pricing and sales and marketing practices, the Health Insurance Portability and Accountability Act (HIPAA) and other federal and state laws relating to the privacy and security of health information.

Violations of these laws or any related regulations may be punishable by criminal and/or civil sanctions, including, in some instances, substantial fines, civil monetary penalties, exclusion from participation in federal and state health care programs, including Medicare, Medicaid, Veterans Administration health programs, and federal employee health benefit programs, actions against executives overseeing our business and burdensome remediation measures. In addition, these laws and regulations are broad in scope and they are subject to change and evolving interpretations, which could require us to incur substantial costs associated with compliance or to alter one or more of our sales or marketing practices. Violations of these laws, or allegations of such violations, could also result in negative publicity or other consequences that could harm our reputation, disrupt our business or adversely affect our results of operations. If any or all of these events occur, our business and stock price could be materially and adversely affected.

Recently, there has been enhanced scrutiny of company-sponsored patient assistance programs, including insurance premium and co-pay assistance programs and donations to third-party charities that provide such assistance. There has also been enhanced scrutiny by governments on reimbursement support offerings, clinical education programs and promotional speaker programs. If we, or our agents, vendors or donation recipients, are deemed to have failed to comply with laws, regulations or government guidance in any of these areas, we could be subject to criminal or civil sanctions. Any similar violations by our competitors could also negatively impact our industry reputation and increase scrutiny over our business and our products.

For a description of our government investigations and related litigation, see Note 13, Commitments and Contingencies of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K.

### We have engaged in, and may in the future engage in, business acquisitions, licensing arrangements, strategic collaborations or disposal of our assets, which could cause us to incur significant expenses and could adversely affect our financial condition and results of operations.

We have engaged in, and may in the future engage in, business acquisitions, licensing arrangements, strategic collaborations or disposal of our assets, as part of our business strategy. We may not identify suitable transactions in the future and, if we do, we may not complete such transactions in a timely manner, on a cost-effective basis, or at all, and may not realize the expected benefits. If we are successful in making an acquisition, the products and technologies that are acquired may not be successful or may require significantly greater resources and investments than originally anticipated. We may not be able to integrate acquisitions successfully into our existing business and could incur or assume significant debt and unknown or contingent liabilities. We also conduct annual impairment testing of our goodwill and other indefinite lived intangible assets in the fourth quarter, or earlier if impairment indicators exist, as required under U.S. generally accepted accounting principles. If we fail to overcome these risks, it could cause us to incur significant expenses and negatively affect profitability, which could have an adverse effect on our results of operations. We could also experience negative effects on our reported results of operations from acquisition or disposition-related charges, amortization of expenses related to intangibles and charges for impairment of long-term assets.

### Approximately 25% of our product sales occur outside the United States, and currency fluctuations and hedging expenses may cause our earnings to fluctuate, which could adversely affect our stock price.

Because a significant percentage of our product sales are denominated in foreign currencies, primarily the Euro, we face exposure to adverse movements in foreign currency exchange rates. When the U.S. dollar strengthens against these foreign currencies, the relative value of sales made in the respective foreign currency decreases. Conversely, when the U.S. dollar weakens against these currencies, the relative value of such sales increases. Overall, we are a net receiver of foreign currencies and, therefore, benefit from a weaker U.S. dollar and are adversely affected by a stronger U.S. dollar.

We use foreign currency exchange forward and option contracts to hedge a percentage of our forecasted international sales, primarily those denominated in the Euro. We also hedge certain monetary assets and liabilities denominated in foreign currencies, which reduces but does not eliminate our exposure to currency fluctuations between the date a transaction is recorded and the date cash is collected or paid. Foreign currency exchange, net of hedges, had a favorable impact on our product sales of \$94 million for the year ended December 31, 2018, compared to the same period in 2017.

We cannot predict future fluctuations in the foreign currency exchange rates of the U.S. dollar. If the U.S. dollar appreciates significantly against certain currencies and our hedging program does not sufficiently offset the effects of such appreciation, our results of operations will be adversely affected and our stock price may decline.

Additionally, the expenses that we recognize in relation to our hedging activities can also cause our earnings to fluctuate. The level of hedging expenses that we recognize in a particular period is impacted by the changes in interest rate spreads between the foreign currencies that we hedge and the U.S. dollar.

### If significant safety issues arise for our marketed products or our product candidates, our reputation may be harmed and our future sales may be reduced, which would adversely affect our results of operations.

The data supporting the marketing approvals for our products and forming the basis for the safety warnings in our product labels were obtained in controlled clinical trials of limited duration and, in some cases, from post-approval use. As our products are used over longer periods of time by many patients with underlying health problems, taking numerous other medicines, we expect to continue to find new issues such as safety, resistance or drug interaction issues, which may require us to provide additional warnings or contraindications on our labels or narrow our approved indications, each of which could reduce the market acceptance of these products.

Regulatory authorities have been moving towards more active and transparent pharmacovigilance and are making greater amounts of stand-alone safety information and clinical trial data directly available to the public through websites and other means, such as periodic safety update report summaries, risk management plan summaries and various adverse event data. Safety information, without the appropriate context and expertise, may be misinterpreted and lead to misperception or legal action which may potentially cause our product sales or stock price to decline.

Further, if serious safety, resistance or drug interaction issues arise with our marketed products, sales of these products could be limited or halted by us or by regulatory authorities and our results of operations would be adversely affected.

### Our operations depend on compliance with complex FDA and comparable international regulations. Failure to obtain broad approvals on a timely basis or to maintain compliance could delay or halt commercialization of our products.

The products we develop must be approved for marketing and sale by regulatory authorities and, once approved, are subject to extensive regulation by FDA, the European Medicines Agency (EMA) and comparable regulatory agencies in other countries. We are continuing clinical trials for many of our products for currently approved and additional uses. We anticipate that we will file for marketing approval in additional countries and for additional indications and products over the next several years. These products may fail to receive such marketing approvals on a timely basis, or at all.

Further, how we manufacture and sell our products is subject to extensive regulation and review. Discovery of previously unknown problems with our marketed products or problems with our manufacturing, safety reporting or promotional activities may result in restrictions on our products, including withdrawal of the products from the market. If we fail to comply with applicable regulatory requirements, including those related to promotion and manufacturing, we could be subject to penalties including fines, suspensions of regulatory approvals, product recalls, seizure of products and criminal prosecution.

For example, under FDA rules, we are often required to conduct post-approval clinical studies to assess a known serious risk, signals of serious risk or to identify an unexpected serious risk and implement a REMS for our products, which could include a medication guide, patient package insert, a communication plan to healthcare providers or other elements as FDA deems are necessary to assure safe use of the drug, which could include imposing certain restrictions on the distribution or use of a product. Failure to comply with these or other requirements imposed by FDA could result in significant civil monetary penalties and our operating results may be adversely affected.

### We face risks in our clinical trials, including the potential for unfavorable results, delays in anticipated timelines and disruption, which would adversely affect our prospects for future revenue growth and our results of operations.

We are required to demonstrate the safety and efficacy of products that we develop for each intended use through extensive preclinical studies and clinical trials. The results from preclinical and early clinical studies do not always accurately predict results in later, large-scale clinical trials. Even successfully completed large-scale clinical trials may not result in marketable products. For example, we recently announced that our KITE-585, an anti-BCMA being evaluated for the treatment of multiple myeloma, will not be moving forward. We also recently announced that STELLAR-4, a Phase 3 study evaluating the safety and efficacy of selonsertib in patients with compensated cirrhosis due to NASH, did not meet the pre-specified week 48 primary endpoint. If any of our product candidates fails to achieve its primary endpoint in clinical trials, if safety issues arise or if the results from our clinical trials are otherwise inadequate to support regulatory approval of our product candidates, commercialization of that product candidate could be delayed or halted. In addition, we may also face challenges in clinical trial protocol design.

If the clinical trials for any of the product candidates in our pipeline are delayed or terminated, our prospects for future revenue growth and our results of operations would be adversely impacted. For example, we face numerous risks and uncertainties with our product candidates, including Descovy for pre-exposure prophylaxis (PrEP); selonsertib for the treatment of NASH; axicabtagene ciloleucel for the treatment of second line diffuse large B-cell lymphoma; and filgotinib for the treatment of rheumatoid arthritis, Crohn's disease and ulcerative colitis, each currently in Phase 3 clinical trials, that could prevent completion of development of these product candidates. These risks include our ability to enroll patients in clinical trials, the possibility of unfavorable results of our clinical trials, the need to modify or delay our clinical trials or to perform additional trials and the risk of failing to obtain FDA and other regulatory body approvals. As a result, our product candidates may never be successfully commercialized. For example, FDA has requested that we conduct a safety study of filgotinib in men with ulcerative colitis (MANTA study), and

enrollment in this MANTA study will likely be the rate limiting factor to filing an NDA for filgotinib in the United States. Further, we may make a strategic decision to discontinue development of our product candidates if, for example, we believe commercialization will be difficult relative to other opportunities in our pipeline. If these programs and others in our pipeline cannot be completed on a timely basis or at all, then our prospects for future revenue growth and our results of operations may be adversely impacted. In addition, clinical trials involving our commercial products could raise new safety issues for our existing products, which could in turn adversely affect our results of operations and harm our business.

In addition, we extensively outsource our clinical trial activities and usually perform only a small portion of the start-up activities in-house. We rely on independent third-party contract research organizations (CROs) to perform most of our clinical studies, including document preparation, site identification, screening and preparation, pre-study visits, training, program management, patient enrollment, ongoing monitoring, site management and bioanalytical analysis. Many important aspects of the services performed for us by the CROs are out of our direct control. If there is any dispute or disruption in our relationship with our CROs, our clinical trials may be delayed. Moreover, in our regulatory submissions, we rely on the quality and validity of the clinical work performed by third-party CROs. If any of our CROs' processes, methodologies or results were determined to be invalid or inadequate, our own clinical data and results and related regulatory approvals could be adversely affected.

We depend on relationships with third parties for sales and marketing performance, technology, development, logistics and commercialization of products. Failure to maintain these relationships, poor performance by these companies or disputes with these third parties could negatively impact our business.

We rely on a number of collaborative relationships with third parties for our sales and marketing performance in certain territories. For example, we have collaboration arrangements with Janssen Sciences Ireland UC for Odefsey, Complera/Eviplera and Symtuza. In some countries, we rely on international distributors for sales of certain of our products. Some of these relationships also involve the clinical development of these products by our partners. Reliance on collaborative relationships poses a number of risks, including the risk that:

- we are unable to control the resources our corporate partners devote to our programs or products;
- disputes may arise with respect to the ownership of rights to technology developed with our corporate partners;
- disagreements with our corporate partners could cause delays in, or termination of, the research, development or commercialization of product candidates or result in litigation or arbitration;
- contracts with our corporate partners may fail to provide significant protection or may fail to be effectively enforced if one of these partners fails to perform;
- our corporate partners have considerable discretion in electing whether to pursue the development of any additional products and may pursue alternative technologies or products either on their own or in collaboration with our competitors;
- our corporate partners with marketing rights may choose to pursue competing technologies or to devote fewer resources to the marketing of our
  products than they do to products of their own development; and
- our distributors and our corporate partners may be unable to pay us.

Given these risks, there is a great deal of uncertainty regarding the success of our current and future collaborative efforts. If these efforts fail, our product development or commercialization of new products could be delayed or revenues from products could decline.

In addition, we rely on third party sites to collect patient white blood cells, known as apheresis centers, shippers, couriers, and hospitals for the logistical collection of patient's white blood cells and ultimate delivery of Yescarta to patients. Any disruption or difficulties incurred by any of these vendors could result in product loss and regulatory action and harm our Yescarta business and our reputation. To ensure that any apheresis center is prepared to ship cells to our manufacturing facilities, we plan to conduct quality certifications of each apheresis center. However, apheresis centers may choose not to participate in the certification process or we may be unable to complete certification in a timely manner or at all, which could delay or restrain our manufacturing and commercialization efforts. As a result, our sales of Yescarta may be limited which could harm our results of operations.

Our success depends to a significant degree on our ability to defend our patents and other intellectual property rights both domestically and internationally. We may not be able to obtain effective patents to protect our technologies from use by competitors.

Patents and other proprietary rights are very important to our business. Our success depends to a significant degree on our ability to:

- obtain patents and licenses to patent rights;
- preserve trade secrets and internal know-how;
- · defend against infringement of our patents and efforts to invalidate them; and

• operate without infringing on the intellectual property of others.

If we have a properly drafted and enforceable patent, it can be more difficult for our competitors to use our technology to create competitive products and more difficult for our competitors to obtain a patent that prevents us from using technology we create. As part of our business strategy, we actively seek patent protection both in the United States and internationally and file additional patent applications, when appropriate, to cover improvements in our compounds, products and technology.

Patent applications are confidential for a period of time before a patent is issued. As a result, we may not know if our competitors filed patent applications for technology covered by our pending applications or if we were the first to invent or first to file an application directed toward the technology that is the subject of our patent applications. In addition, if competitors file patent applications covering our technology, we may have to participate in litigation, post-grant proceedings before the U.S. Patent and Trademark Office or other proceedings to determine the right to a patent or validity of any patent granted. Litigation, post-grant proceedings before the U.S. Patent and Trademark Office or other proceedings are unpredictable and expensive, and could divert management attention from other operations, such that, even if we are ultimately successful, our results of operations may be adversely affected by such events.

Generic manufacturers have sought, and may continue to seek, FDA approval to market generic versions of our products through an abbreviated new drug application (ANDA), the application process typically used by manufacturers seeking approval of a generic drug. For a description of our ANDA litigation, see Note 13, Commitments and Contingencies of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K. The entry of generic versions of our products may lead to market share and price erosion and have a negative impact on our business and results of operations.

### Our success depends in large part on our ability to operate without infringing upon the patents or other proprietary rights of third parties.

If we infringe the valid patents of third parties, we may be required to pay significant monetary damages or we may be prevented from commercializing products or may be required to obtain licenses from these third parties. We may not be able to obtain alternative technologies or any required license on commercially reasonable terms or at all. If we fail to obtain these licenses or alternative technologies, we may be unable to develop or commercialize some or all of our products. For example, we are aware of patents and patent applications owned by third parties that such parties may claim cover the use of sofosbuvir, axicabtagene ciloleucel and bictegravir. See also a description of our litigation regarding sofosbuvir, axicabtagene ciloleucel and bictegravir in Note 13, Commitments and Contingencies of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K. We are also aware of U.S. Patent Nos. 9,044,509, 9,579,333 and 9,937,191 assigned to the U.S. Department of Health and Human Services that purport to claim a process of protecting a primate host from infection by an immunodeficiency retrovirus by administering a combination of emtricitabine and tenofovir or TDF prior to exposure of the host to the immunodeficiency retrovirus. We have been in contact with the U.S. Department of Health and Human Services about the scope and relevance of the patents and have explained that we do not believe that these patents are valid because the patent office was not given the most relevant prior art and because physicians and patients were using the claimed methods years before the Centers for Disease Control and Prevention filed the applications for the patents.

Furthermore, we also rely on unpatented trade secrets and improvements, unpatented internal know-how and technological innovation. For example, a great deal of our liposomal manufacturing expertise, which is a key component of our liposomal technology, is not covered by patents but is instead protected as a trade secret. We protect these rights mainly through confidentiality agreements with our corporate partners, employees, consultants and vendors. We cannot be certain that these parties will comply with these confidentiality agreements, that we have adequate remedies for any breach or that our trade secrets, internal know-how or technological innovation will not otherwise become known or be independently discovered by our competitors. Under some of our R&D agreements, inventions become jointly owned by us and our corporate partner and in other cases become the exclusive property of one party. In certain circumstances, it can be difficult to determine who owns a particular invention and disputes could arise regarding those inventions. If our trade secrets, internal know-how, technological innovation or confidential information become known or independently discovered by competitors or if we enter into disputes over ownership of inventions, our business and results of operations could be adversely affected.

### Manufacturing problems, including at our third-party manufacturers and corporate partners, could cause inventory shortages and delay product shipments and regulatory approvals, which may adversely affect our results of operations.

In order to generate revenue from our products, we must be able to produce sufficient quantities of our products to satisfy demand. Many of our products are the result of complex manufacturing processes. The manufacturing process for pharmaceutical products is also highly regulated and regulators may shut down manufacturing facilities that they believe do not comply with regulations.

Our products are either manufactured at our own facilities or by third-party manufacturers or corporate partners. We depend on third parties to perform manufacturing activities effectively and on a timely basis for the majority of our solid dose products.

We, our third-party manufacturers and our corporate partners are subject to Good Manufacturing Practices (GMP), which are extensive regulations governing manufacturing processes, stability testing, record keeping and quality standards as defined by FDA and EMA. Similar regulations are in effect in other jurisdictions.

Our third-party manufacturers and corporate partners are independent entities subject to their own unique operational and financial risks that are out of our control. If we or any of these third-party manufacturers or corporate partners fail to perform as required, this could impair our ability to deliver our products on a timely basis or receive royalties or could cause delays in our clinical trials and applications for regulatory approval. Further, we may have to write-off the costs of manufacturing any batch that fails to pass quality inspection or meet regulatory approval. In addition, we, our third-party manufacturers and our corporate partners may only be able to produce some of our products at one or a limited number of facilities and, therefore, have limited manufacturing capacity for certain products, and we may not be able to locate additional or replacement facilities on a reasonable basis or at all. Our sales of such products could also be adversely impacted by our reliance on such limited number of facilities. To the extent these risks materialize and affect their performance obligations to us, our financial results may be adversely affected.

Our manufacturing operations are subject to routine inspections by regulatory agencies. If we are unable to remedy any deficiencies cited by FDA in these inspections, our currently marketed products and the timing of regulatory approval of products in development could be adversely affected. Further, there is risk that regulatory agencies in other countries where marketing applications are pending will undertake similar additional reviews or apply a heightened standard of review, which could delay the regulatory approvals for products in those countries. If approval of any of our product candidates were delayed or if production of our marketed products was interrupted, our anticipated revenues and our stock price would be adversely affected.

## We may not be able to obtain materials or supplies necessary to conduct clinical trials or to manufacture and sell our products, which would limit our ability to generate revenues.

We need access to certain supplies and products to conduct our clinical trials and to manufacture our products. If we are unable to purchase sufficient quantities of these materials or find suitable alternate materials in a timely manner, our development efforts for our product candidates may be delayed or our ability to manufacture our products would be limited, which would limit our ability to generate revenues.

Suppliers of key components and materials must be named in the new drug application or marketing authorization application filed with the regulatory authority for any product candidate for which we are seeking marketing approval, and significant delays can occur if the qualification of a new supplier is required. Even after a manufacturer is qualified by the regulatory authority, the manufacturer must continue to expend time, money and effort in the area of production and quality control to ensure full compliance with GMP. Manufacturers are subject to regular, periodic inspections by the regulatory authorities following initial approval. If, as a result of these inspections, a regulatory authority determines that the equipment, facilities, laboratories or processes do not comply with applicable regulations and conditions of product approval, the regulatory authority may suspend the manufacturing operations. If the manufacturing operations of any of the single suppliers for our products are suspended, we may be unable to generate sufficient quantities of commercial or clinical supplies of product to meet market demand, which would in turn decrease our revenues and harm our business. In addition, if delivery of material from our suppliers were interrupted for any reason, we may be unable to ship certain of our products for commercial supply or to supply our products in development for clinical trials. In addition, some of our products and the materials that we utilize in our operations are made at only one facility, which we may not be able to replace in a timely manner and on commercially reasonable terms, or at all. Problems with any of the single suppliers we depend on, including in the event of a disaster, such as an earthquake, equipment failure or other difficulty, may negatively impact our development and commercialization efforts.

A significant portion of the raw materials and intermediates used to manufacture our antiviral products are supplied by third-party manufacturers and corporate partners outside of the United States. As a result, any political or economic factors in a specific country or region, including any changes in or interpretations of trade regulations, compliance requirements or tax legislation, that would limit or prevent third parties outside of the United States from supplying these materials would adversely affect our ability to manufacture and supply our antiviral products to meet market needs and have a material and adverse effect on our operating results.

If we were to encounter any of these difficulties, our ability to provide our products and product candidates to patients would be jeopardized.

### Imports from countries where our products are available at lower prices and unapproved generic or counterfeit versions of our products could have a negative impact on our reputation and business.

Prices for our products are based on local market economics and competition and sometimes differ from country to country. Our sales in countries with relatively higher prices may be reduced if products can be imported into those or other countries from lower price markets. If our HIV, HBV and HCV products, which we have agreed to make available at substantially reduced prices to certain low- and middle-income countries participating in our Gilead Access Program, are re-exported from these low- and

middle-income countries into the United States, Europe or other higher price markets, our revenues would be adversely affected. In addition, we have entered into voluntary licensing agreements with generic drug companies in India, South Africa and China, as well as a licensing agreement with the Medicines Patent Pool, a United Nations-backed public health organization, which allows generic drug companies to manufacture generic versions of HIV and HBV products incorporating our licensed compounds, TAF, cobicistat, elvitegravir and bictegravir, for distribution in certain low- and middle-income countries. We have also entered into agreements with generic manufacturers in India, Egypt and Pakistan allowing them to produce and/or distribute generic versions of our HCV products in certain low- and middle-income countries. If generic versions of our HIV, HBV and HCV products produced and/or distributed under these agreements are then re-exported to the United States, Europe or other markets outside of these low- and middle-income countries, our revenues would be adversely affected. In addition, purchases of our products in countries where our selling prices are relatively low for resale in countries in which our selling prices are relatively high may adversely impact our revenues and gross margin and may cause our sales to fluctuate from quarter to quarter. Additionally, use of these diverted products could occur in countries where they have not been approved and patients could source the product outside the legitimate supply chain. Therefore, the products may be handled, shipped and stored inappropriately, which may affect the efficacy of the product and could harm patients, our brands or the commercial or scientific reputation of our products.

In the European Union, we are required to permit products purchased in one EU member state to be sold in another EU member state. Purchases of our products in countries where our selling prices are relatively low for resale in countries in which our selling prices are relatively high can affect the inventory level held by our wholesalers and can cause the relative sales levels in the various countries to fluctuate from quarter to quarter and not reflect the actual consumer demand in any given quarter. These quarterly fluctuations may impact our earnings, which could adversely affect our stock price and harm our business.

We are also aware of the existence of various "Buyers Clubs" around the world that promote the personal importation of generic versions of our HCV and HIV products that have not been approved for use in the countries into which they are imported. As a result, patients may be at risk of taking unapproved medications which may not be what they purport to be, may not have the potency they claim to have or may contain harmful substances. To the extent patients take unapproved generic versions of one or more of our medications and are injured by these generic products, our brands or the commercial or scientific reputation of our HCV and HIV products could be harmed.

Further, third parties may illegally distribute and sell counterfeit versions of our products, which do not meet the rigorous quality standards of our manufacturing and supply chain. For example, in 2017 and 2018, there were reports that a product labeled as Epclusa was available in multiple countries, which we determined was not authentic product based on sample analysis and the lot number. We have cooperated and continue to cooperate with regulatory authorities to investigate this matter. We actively take actions to discourage counterfeits of our products around the world, including working with local regulatory and legal authorities to enforce laws against counterfeit drugs, raising public awareness of the dangers of counterfeit drugs and promoting public policies to hinder the sale and availability of counterfeit drugs. Counterfeit drugs pose a serious risk to patient health and safety and may raise the risk of product recalls. Our reputation and business could suffer as a result of counterfeit drugs sold under our brand name.

### Expensive litigation and government investigations have increased our expenses which may continue to reduce our earnings.

We are involved in a number of litigation, investigation and other dispute-related matters that require us to expend substantial internal and financial resources. We expect these matters will continue to require a high level of internal and financial resources for the foreseeable future. These matters have reduced and will continue to reduce our earnings and require significant management attention. For a description of our litigation, investigation and other dispute-related matters, see Note 13, Commitments and Contingencies of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K. The outcome of such legal proceedings or any other legal proceedings that may be brought against us, the investigations or any other investigations that may be initiated and any other dispute-related matters, are inherently uncertain, and adverse developments or outcomes can result in significant expenses, monetary damages, penalties or injunctive relief against us that could significantly reduce our earnings and cash flows and harm our business.

### We may face significant liability resulting from our products and such liability could materially reduce our earnings.

The testing, manufacturing, marketing and use of our commercial products, as well as product candidates in development, involve substantial risk of product liability claims. These claims may be made directly by consumers, healthcare providers, pharmaceutical companies or others. We have limited insurance for product liabilities that may arise. If we do not maintain adequate coverage or if claims exceed our coverage, our financial condition will be adversely affected. In addition, negative publicity associated with any claims, regardless of their merit, may decrease the future demand for our products and impair our financial condition. For a description of our products liability matters, see Note 13, Commitments and Contingencies of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K.

### If we fail to attract and retain highly qualified personnel, we may be unable to successfully develop new product candidates, conduct our clinical trials and commercialize our product candidates.

Our future success will depend in large part on our continued ability to attract and retain highly qualified scientific, technical and management personnel, as well as personnel with expertise in clinical testing, governmental regulation and commercialization. We face competition for personnel from other companies, universities, public and private research institutions, government entities and other organizations. Competition for qualified personnel in the biopharmaceutical field is intense, and there is a limited pool of qualified potential employees to recruit. We may not be able to attract and retain quality personnel on acceptable terms. Additionally, changes to U.S. immigration and work authorization laws and regulations could make it more difficult for employees to work in or transfer to jurisdictions in which we have operations and could impair our ability to attract and retain qualified personnel. If we are unsuccessful in our recruitment and retention efforts, our business may be harmed.

At the end of 2018, John F. Milligan stepped down as our President and Chief Executive Officer following 28 years of service. We announced that Daniel P. O'Day will serve as our Chief Executive Officer, effective March 1, 2019. If we do not successfully manage the transition to a new Chief Executive Officer in 2019, our business may be negatively impacted.

### Business disruptions from natural or man-made disasters may harm our future revenues.

Our worldwide operations, third party manufacturers or corporate partners could be subject to business interruptions stemming from natural or manmade disasters, including those related to climate change, for which we or they may be uninsured or inadequately insured. Our corporate headquarters in Foster City and our Santa Monica location, which together house a majority of our R&D activities, and our San Dimas, La Verne, Oceanside and El Segundo manufacturing facilities are located in California, a seismically active region. As we may not carry adequate earthquake insurance and significant recovery time could be required to resume operations, our financial condition and operating results could be materially adversely affected in the event of a major earthquake.

### We are dependent on information technology systems, infrastructure and data, which may be subject to cyberattacks and security breaches.

We are dependent upon information technology systems, infrastructure and data, including our Kite Konnect platform, which is critical to ensure chain of identity and chain of custody of Yescarta. The multitude and complexity of our computer systems make them inherently vulnerable to service interruption or destruction, malicious intrusion and random attack. Likewise, data privacy or security breaches by employees or others pose a risk that sensitive data, including our intellectual property or trade secrets or the personal information of our employees, patients, customers or other business partners may be exposed to unauthorized persons or to the public. Cyberattacks are increasing in their frequency, sophistication and intensity. Cyberattacks could include the deployment of harmful malware, denial-of-service, social engineering and other means to affect service reliability and threaten data confidentiality, integrity and availability. Our business and technology partners face similar risks and any security breach of their systems could adversely affect our security posture. While we have invested, and continue to invest, in the protection of our data and information technology infrastructure, there can be no assurance that our efforts, or the efforts of our partners and vendors, will prevent service interruptions or identify breaches in our systems. Such interruptions or breaches could adversely affect our business and operations and/or cause the loss of critical or sensitive information, which could result in financial, legal, business or reputational harm to us. In addition, our insurance may not be sufficient in type or amount to cover the financial, legal, business or reputational losses that may result from an interruption or breach of our systems.

Regulators globally are also imposing new data security requirements, including greater monetary fines for privacy violations. For example, the General Data Protection Regulation (GDPR) that became effective in Europe in 2018 established new regulations regarding the handling of personal data, and non-compliance with the GDPR may result in monetary penalties of up to four percent of worldwide revenue. In addition, we may be subject to additional data privacy and security laws, such as the California Consumer Privacy Act of 2018. The GDPR and other changes in laws or regulations associated with the enhanced protection of certain types of sensitive data, including healthcare data or other personal information, could greatly increase our cost of providing our products and services or even prevent us from offering certain services in jurisdictions in which we operate.

### Changes in our effective income tax rate could reduce our earnings.

We are subject to income taxes in the United States and various foreign jurisdictions including Ireland. Due to economic and political conditions, various countries are actively considering and have made changes to existing tax laws. We cannot predict the form or timing of potential legislative and regulatory changes that could have a material adverse impact on our results of operations. For example, the United States enacted significant tax reform, and certain provisions of the new law are complex and will continue to significantly affect us.

In addition, significant judgment is required in determining our worldwide provision for income taxes. Various factors may have favorable or unfavorable effects on our income tax rate including, but not limited to, changes in forecasted demand for our HCV products, our portion of the non-tax deductible annual branded prescription drug fee, the accounting for stock options and

other share-based awards, mergers and acquisitions, the ability to manufacture product in our Cork, Ireland facility, the amortization of certain acquisition related intangibles for which we receive no tax benefit, future levels of R&D spending, changes in the mix of earnings in the various tax jurisdictions in which we operate, changes in overall levels of pre-tax earnings, resolution of federal, state and foreign income tax audits, and potential changes to our legal entity structure. The impact on our income tax provision resulting from the above mentioned factors may be significant and could have a negative impact on our consolidated results of operations.

Our income tax returns are subject to audit by federal, state and foreign tax authorities. We are currently under examination by the Internal Revenue Service for the tax years from 2013 to 2015 and by various state and foreign jurisdictions. There are differing interpretations of tax laws and regulations and, as a result, significant disputes may arise with these tax authorities involving issues of the timing and amount of deductions and allocations of income among various tax jurisdictions. Resolution of one or more of these exposures in any reporting period could have a material impact on the results of operations for that period.

See Note 18, Income Taxes of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K for additional details.

### There can be no assurance that we will pay dividends or continue to repurchase stock.

Our Board of Directors authorized a dividend program under which we intend to pay quarterly dividends of \$0.63 per share, subject to quarterly declarations by our Board of Directors. Our Board of Directors also approved the repurchase of up to \$12.0 billion of our common stock, of which \$5.1 billion is available for repurchase as of December 31, 2018. Any future declarations, amount and timing of any dividends and/or the amount and timing of such stock repurchases are subject to capital availability and determinations by our Board of Directors that cash dividends and/or stock repurchases are in the best interest of our stockholders and are in compliance with all respective laws and our agreements applicable to the declaration and payment of cash dividends and the repurchase of stock. Our ability to pay dividends and/or repurchase stock will depend upon, among other factors, our cash balances and potential future capital requirements for strategic transactions, including acquisitions, debt service requirements, results of operations, financial condition and other factors beyond our control that our Board of Directors may deem relevant. A reduction in or elimination of our dividend payments, our dividend program and/or stock repurchases could have a negative effect on our stock price.

### ITEM 1B. UNRESOLVED STAFF COMMENTS

Not applicable.

### ITEM 2. PROPERTIES

Our corporate headquarters is located in Foster City, California, where we house our administrative, manufacturing and R&D activities. We also have R&D facilities in Emeryville, Oceanside, Santa Monica, California; Gaithersburg, Maryland; Seattle, Washington; Edmonton, Alberta, Canada; and Amsterdam, Netherlands and manufacturing facilities in El Segundo, La Verne, Oceanside, San Dimas, California; Alberta, Canada; and Dublin and Cork, Ireland. Our global operations include offices in Europe, North America, Asia, South America, Africa, Australia and the Middle East.

We believe that our existing properties, including both owned and leased sites, are in good condition and suitable for the conduct of our business. We believe our capital resources are sufficient to purchase, lease or construct any additional facilities required to meet our expected long-term growth needs.

### ITEM 3. LEGAL PROCEEDINGS

For a description of our significant pending legal proceedings, please see Note 13, Commitments and Contingencies - Legal Proceedings of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K, which is incorporated herein by reference.

### ITEM 4. MINE SAFETY DISCLOSURES

Not applicable.

### PART II

### ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

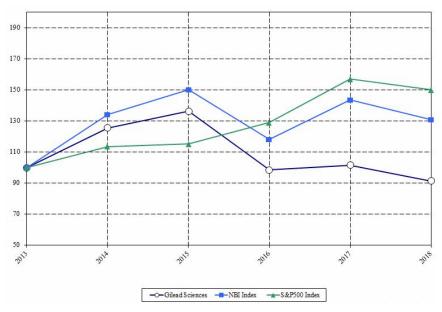
Our common stock is traded on the Nasdaq Global Select Market under the symbol "GILD."

As of February 15, 2019, we had 1,275,510,558 shares of common stock outstanding held by approximately 375 stockholders of record, which include shares held by a broker, bank or other nominee.

Performance Graph (1)

The following graph compares our cumulative total stockholder return for the past five years to two indices: the Standard & Poor's 500 Stock Index (S&P 500 Index) and the Nasdaq Biotechnology Index (NBI Index). The stockholder return shown on the graph below is not necessarily indicative of future performance, and we do not make or endorse any predictions as to future stockholder returns.

### Comparison of Cumulative Total Return on Investment for the Past Five Years (2)



### Notes:

⁽¹⁾ This section is not "soliciting material," is not deemed "filed" with the SEC and is not to be incorporated by reference in any of our filings under the Securities Act or the Exchange Act whether made before or after the date hereof and irrespective of any general incorporation language in any such filing.

⁽²⁾ Shows the cumulative return on investment assuming an investment of \$100 in our common stock, the NBI Index and the S&P 500 Index on December 31, 2013, and assuming that all dividends were reinvested.

### Equity Compensation Plan Information

The following table provides certain information with respect to our equity compensation plans in effect as of December 31, 2018:

Plan Category	Number of Common Shares to be Issued Upon Exercise of Outstanding Options, Warrants and Rights (a) (in thousands)	Ex Outs	eighted-average tercise Price of standing Options, rants and Rights (b) ⁽¹⁾ (in dollars)	Number of Common Shares Remaining Available for Issuance Under Equity Compensation Plans (Excluding Securities Reflected in Column (a) (c) (in thousands)
Equity Compensation plans approved by security holders:				
2004 Equity Incentive Plan	23,524	\$	53.80	91,441
Employee Stock Purchase Plan (2)				10,491
Total equity compensation plans approved by security holders	23,524	\$	53.80	101,932
Equity Compensation plans not approved by security holders	_		_	_
Total	23,524	\$	53.80	101,932

### Notes:

### Issuer Purchases of Equity Securities

In the first quarter of 2016, our Board of Directors authorized a \$12.0 billion share repurchase program (2016 Program) under which repurchases may be made in the open market or in privately negotiated transactions. We started repurchases under the 2016 Program in April 2016.

During 2018, we repurchased and retired 40 million shares of our common stock for \$2.9 billion through open market transactions under the 2016 Program.

The table below summarizes our stock repurchase activity for the three months ended December 31, 2018:

	Total Number of Shares Purchased (in thousands)	Average Price Paid per Share (in dollars)		Price Paid per Share		Price Paid per Share		Price Paid per Share		Price Paid per Share		Price Paid per Share		Total Number of Shares Purchased as Part of a Publicly Announced Program (in thousands)	V: th Pu	aximum Fair alue of Shares at May Yet Be rchased Under the Program (in millions)
October 1 - October 31, 2018	804	\$	73.96	751	\$	6,053										
November 1 - November 30, 2018	5,922	\$	69.16	5,696	\$	5,660										
December 1 - December 31, 2018	7,642	\$	67.39	7,608	\$	5,147										
Total	14,368	\$	68.49	14,055												

### Notes:

⁽¹⁾ Does not take into account 16 million restricted stock and stock unit awards, performance share units and phantom shares granted under our 2004 Equity Incentive Plan.

⁽²⁾ Under our Employee Stock Purchase Plan, participants are permitted to purchase our common stock at a discount on certain dates through payroll deductions within a predetermined purchase period. Accordingly, these numbers are not determinable.

⁽¹⁾ The difference between the total number of shares purchased and the total number of shares purchased as part of a publicly announced program is due to shares of common stock withheld by us from employee restricted stock unit awards in order to satisfy applicable tax withholding obligations.

### ITEM 6. SELECTED FINANCIAL DATA

# GILEAD SCIENCES, INC. SELECTED CONSOLIDATED FINANCIAL DATA (in millions, except per share data)

	Year Ended December 31,									
		2018		2017		2016		2015		2014
CONSOLIDATED STATEMENT OF INCOME DATA(1):										
Total revenues (2)	\$	22,127	\$	26,107	\$	30,390	\$	32,639	\$	24,890
Total costs and expenses	\$	13,927	\$	11,983	\$	12,757	\$	10,446	\$	9,625
Income from operations	\$	8,200	\$	14,124	\$	17,633	\$	22,193	\$	15,265
Provision for income taxes ⁽³⁾	\$	2,339	\$	8,885	\$	3,609	\$	3,553	\$	2,797
Net income ⁽²⁾⁽³⁾	\$	5,460	\$	4,644	\$	13,488	\$	18,106	\$	12,059
Net income attributable to Gilead ⁽²⁾⁽³⁾	\$	5,455	\$	4,628	\$	13,501	\$	18,108	\$	12,101
Net income per share attributable to Gilead common stockholders - basic ⁽²⁾⁽³⁾	\$	4.20	\$	3.54	\$	10.08	\$	12.37	\$	7.95
Shares used in per share calculation - basic		1,298		1,307		1,339		1,464		1,522
Net income per share attributable to Gilead common stockholders - diluted ⁽²⁾⁽³⁾	\$	4.17	\$	3.51	\$	9.94	\$	11.91	\$	7.35
Shares used in per share calculation - diluted		1,308		1,319		1,358		1,521		1,647
Cash dividends declared per share	\$	2.28	\$	2.08	\$	1.84	\$	1.29	\$	_
					De	ecember 31,				
		2018		2017		2016		2015		2014
CONSOLIDATED BALANCE SHEET DATA(1):										
Cash, cash equivalents and marketable debt securities(4)	\$	31,512	\$	36,694	\$	32,380	\$	26,208	\$	11,726
Working capital ⁽⁴⁾⁽⁵⁾	\$	25,231	\$	20,188	\$	10,370	\$	14,044	\$	11,453
Total assets ⁽⁴⁾⁽⁶⁾	\$	63,675	\$	70,283	\$	56,977	\$	51,716	\$	34,601
Other long-term obligations ⁽⁵⁾	\$	1,040	\$	558	\$	297	\$	395	\$	594
Long-term debt, including current portion ⁽⁴⁾⁽⁶⁾	\$	27,322	\$	33,542	\$	26,346	\$	22,055	\$	12,341
Retained earnings ⁽²⁾⁽³⁾	\$	19,024	\$	19,012	\$	18,154	\$	18,001	\$	12,732

### Notes:

Total stockholders' equity(2)(3)

- (1) See Management's Discussion and Analysis of Financial Condition and Results of Operations included in Item 7 of this Annual Report on Form 10-K for a description of our results of operations for 2018.
- (2) In 2018, we adopted Accounting Standards Update No. 2014-09 (Topic 606) "Revenue from Contracts with Customers" using the modified retrospective method applied to those contracts which were not completed as of January 1, 2018. As such, results for 2018 are presented under Topic 606, while the information for prior periods has not been adjusted and continues to be reported in accordance with our historical accounting under Topic 605 "Revenue Recognition". The impact as a result of applying Topic 606 in place of Topic 605 was not material for the year ended December 31, 2018. See Note 1, Organization and Summary of Significant Accounting Policies, and Note 2, Revenues, of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K for further information.

21,534

20,501

19,363

19,113

\$

15,819

- (3) In December 2017, we recorded an estimated \$5.5 billion net charge related to the enactment of the Tax Cuts and Jobs Act. See Note 18, Income Taxes of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional details.
- (4) In 2018, we repaid \$1.8 billion principal amount of our senior unsecured notes at maturity and repaid \$4.5 billion of term loans borrowed in connection with our acquisition of Kite Pharma. Inc. (Kite).

In 2017, in connection with the acquisition of Kite, we issued \$3.0 billion aggregate principal amount of senior unsecured notes in a registered offering and drew on a \$6.0 billion aggregate principal amount term loan facility credit agreement, of which \$1.5 billion was repaid in December 2017.

In 2016, we issued \$5.0 billion principal amount of senior unsecured notes in a registered offering. We also repaid \$285 million of principal balance of convertible senior notes due in May 2016 and \$700 million of principal balance of senior unsecured notes due in December 2016.

In 2015, we issued \$10.0 billion principal amount of senior unsecured notes in a registered offering. We also repaid \$213 million of principal balance of convertible senior notes due in May 2016.

In 2014, we issued \$8.0 billion principal amount of senior unsecured notes in registered offerings. We also repaid \$912 million of principal balance of convertible senior notes due in May 2014, \$750 million of principal balance of senior unsecured notes due in December 2014 and \$600 million under our five-year revolving credit facility agreement.

- (5) In 2017, we retrospectively adopted Accounting Standards Update No. 2015-17 "Balance Sheet Classification of Deferred Taxes," which requires deferred tax assets and liabilities be classified as noncurrent on the balance sheet. As a result, we reclassified deferred tax assets from Total current assets to Other long-term assets and our deferred tax liabilities from Other accrued liabilities to Other long-term obligations for each of the years presented.
- (6) In 2016, we retrospectively adopted Accounting Standards Update No. 2015-03 "Simplifying the Presentation of Debt Issuance Costs," which requires presentation of debt issuance costs as a direct deduction from the carrying amount of a recognized debt liability on the balance sheet. As a result, we reclassified unamortized debt issuance costs from assets to Long-term debt, including current portion for each of the years presented.

### ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following Management's Discussion and Analysis of Financial Condition and Results of Operations (MD&A) is intended to help the reader understand our results of operations and financial condition. MD&A is provided as a supplement to, and should be read in conjunction with, our audited Consolidated Financial Statements and the accompanying Notes to Consolidated Financial Statements and other disclosures included in this Annual Report on Form 10-K (including the disclosures under Part I, Item 1A, "Risk Factors"). Our Consolidated Financial Statements have been prepared in accordance with U.S. generally accepted accounting principles and are presented in U.S. dollars.

### **Management Overview**

Gilead Sciences, Inc. (Gilead, we, our or us), incorporated in Delaware on June 22, 1987, is a research-based biopharmaceutical company that discovers, develops and commercializes innovative medicines in areas of unmet medical need. With each new discovery and investigational drug candidate, we strive to transform and simplify care for people with life-threatening illnesses around the world. We have operations in more than 35 countries worldwide, with headquarters in Foster City, California. Gilead's primary areas of focus include HIV/AIDS, liver diseases, hematology/oncology and inflammation/respiratory diseases. We seek to add to our existing portfolio of products through our internal discovery and clinical development programs, product acquisition, inlicensing and strategic collaborations.

Our portfolio of marketed products includes AmBisome®, Atripla®, Biktarvy®, Cayston®, Complera®/Eviplera®, Descovy®, Emtriva®, Epclusa®, Genvoya®, Harvoni®, Hepsera®, Letairis®, Odefsey®, Ranexa®, Sovaldi®, Stribild®, Truvada®, Tybost®, Vemlidy®, Viread®, Vosevi®, Yescarta® and Zydelig®. We also sell and distribute certain products through our corporate partners under collaborative agreements.

### 2018 Business Highlights

2018 was marked by operational excellence and transition as we positioned ourselves for the future growth of our business. We continued to develop and deliver innovative medicines to help people with life-threatening illnesses around the world. Highlights of our 2018 performance include:

- HIV: We achieved record sales of our HIV products in 2018, with HIV product revenues increasing by 19% in the United States and 12% worldwide compared to 2017. This growth was driven by the successful launch of Biktarvy and the continued strong uptake of our single tablet regimens containing tenofovir alafenamide (TAF) for the treatment of HIV infection as well as Truvada for a pre-exposure prophylaxis (PrEP) indication for HIV prevention. Biktarvy, a once-daily single tablet regimen containing bictegravir, emtricitabine (FTC) and TAF for the treatment of HIV infection in adults, was approved by the U.S. Food and Drug Administration (FDA) in February and by the European Commission in June.
- Liver Diseases: Our revenues from our chronic hepatitis C virus (HCV) products became more predictable in 2018. Because we wanted to introduce a lower-priced alternative to our HCV products without significant disruption to the healthcare system and our business, we authorized the launch of generic versions of Epclusa and Harvoni in the United States starting in January 2019 through our separate subsidiary, Asegua Therapeutics LLC (Asegua). We also continued to advance our clinical trials for the treatment of chronic hepatitis B virus (HBV) and nonalcoholic steatohepatitis (NASH), including completing enrollment of Phase 3 clinical trials of NASH.
- Cell Therapy and Immuno-Oncology: We advanced our pipeline of cancer therapies and positioned ourselves as a leader in cell therapy. Yescarta was approved by the European Commission in August for the treatment of relapsed or refractory diffuse large B-cell lymphoma (DLBCL) and primary mediastinal large B-cell lymphoma (PMBCL) after two or more lines of systemic therapy. We certified additional centers in the United States and Europe to provide treatment for Yescarta. In order to advance and accelerate research and development efforts in cell therapy and immuno-oncology, during the year, we entered into key strategic collaborations with the National Cancer Institute, Pfizer, Inc. (Pfizer), Sangamo Therapeutics, Inc. (Sangamo), Gadeta B.V. (Gadeta), HiFiBiO Therapeutics (HiFiBiO), Tango Therapeutics (Tango) and Agenus Inc. (Agenus).
- Inflammation: We continued to advance our pipeline of novel investigational agents for inflammatory diseases, including announcing positive data on filgotinib in ongoing Phase 2 and 3 clinical trials. We also entered into a strategic collaboration with Verily Life Sciences LLC, an Alphabet company (Verily), using Verily's Immunoscape platform to identify and better understand the immunological basis of inflammatory diseases.

During the year, we continued to invest in and advance our research and development pipeline across our therapeutic areas. At the end of 2018, our research and development pipeline included 119 active clinical studies, of which 41 were Phase 3 clinical trials. Additionally, we completed 26 collaborations, partnerships and strategic investments in 2018, which reflects our commitment to enabling our access to new technologies and drug candidates with the potential to evolve care for people with life-threatening illnesses. Our investments in research and development reflect our commitment to expanding our pipeline across a range of diseases to address areas of significant unmet medical need and positioning ourselves for the long-term growth of our business.

#### Recent key announcements include:

### HIV and Liver Diseases Programs

- FDA and European Commission granted marketing authorization for Biktarvy for the treatment of HIV-1 infection.
- FDA approved Truvada in combination with safer sex practices to reduce the risk of sexually acquired HIV-1 in at-risk adolescents.
- China National Drug Administration (CDA, succeeded by China National Medical Products Administration (NMPA)) approved Genvoya in China for the treatment of HIV-1 infection.
- NMPA approved Descovy in China for the treatment of HIV-1 infection in adults and adolescents.
- We entered into an agreement with Japan Tobacco Inc. (Japan Tobacco) to expand our rights to develop and commercialize elvitegravir to include Japan and to acquire from Japan Tobacco the rights to market and distribute certain products in our HIV portfolio in Japan effective January 1, 2019.
- We entered into a research collaboration and license agreement with Hookipa Biotech AG (Hookipa) that grants us exclusive rights to Hookipa's TheraT® and Vaxwave® arenavirus vector-based immunization technologies for chronic HBV infection and HIV infection.
- · We announced plans to launch authorized generic versions of Epclusa and Harvoni in the United States through our separate subsidiary, Asegua.
- NMPA approved Harvoni in China for the treatment of chronic HCV infection with genotype 1-6 in adults and adolescents aged 12 to 18 years.
- CDA approved Epclusa in China for the treatment of adults with genotype 1-6 chronic HCV infection. The CDA also approved Epclusa in combination with ribavirin for adults with chronic HCV infection and decompensated cirrhosis.
- NMPA approved Vemlidy in China for the treatment of chronic HBV infection in adults and adolescents.
- We entered into a strategic collaboration with Precision BioSciences (Precision) to develop therapies targeting the in vivo elimination of chronic HBV infection with Precision's proprietary genome editing platform, ARCUS.
- We announced that STELLAR-4, a Phase 3, randomized, double-blind, placebo-controlled study evaluating the safety and efficacy of selonsertib, an investigational, once-daily, oral inhibitor of apoptosis signal-regulating kinase 1 (ASK1), in patients with compensated cirrhosis (F4) due to NASH, did not meet the pre-specified week 48 primary endpoint of a ≥ 1-stage histologic improvement in fibrosis without worsening of NASH.

### Oncology and Cell Therapy Programs

- We entered into an immuno-oncology partnership with Agenus focused on the development and commercialization of up to five novel immuno-oncology therapies.
- We entered into a global strategic collaboration with Tango to discover, develop and commercialize a pipeline of targeted immuno-oncology treatments for patients with cancer.
- European Commission granted marketing authorization for Yescarta as a treatment for adult patients with relapsed or refractory DLBCL and PMBCL after two or more lines of systemic therapy.
- We announced new worldwide facilities to advance manufacturing of cell therapies for people with cancer.
- We entered into a research collaboration with Gadeta to advance gamma delta T cell receptor technology for solid tumors. This collaboration adds
  an additional new platform to our current capabilities in research and cell manufacturing.
- We entered into a research collaboration and license agreement with HiFiBiO to develop technology supporting the discovery of neoantigenreactive T cell receptors for the potential treatment of various cancers, including solid tumors.
- We entered into a license agreement with Trianni, Inc. (Trianni) that grants us the use of the Trianni transgenic human monoclonal antibody discovery platform to support our drug discovery efforts.
- We announced a new cooperative research and development agreement with the National Cancer Institute to develop adoptive cell therapies targeting patient-specific tumor neoantigens.
- We entered into a worldwide collaboration with Sangamo using Sangamo's zinc finger nuclease technology platform for the development of next-generation ex vivo cell therapies in oncology.
- We entered into a clinical trial collaboration with Pfizer to evaluate the safety and efficacy of the investigational combination of Yescarta and Pfizer's utomilumab, a fully humanized 4-1BB agonist monoclonal antibody, in patients with refractory large B-cell lymphoma.

### Inflammation Programs

• We entered into a strategic collaboration with Scholar Rock Holding Corporation to discover and develop highly specific inhibitors of transforming growth factor beta activation for the treatment of fibrotic diseases.

• We entered into a scientific collaboration with Verily, using Verily's Immunoscape platform to identify and better understand the immunological basis of three common and serious inflammatory diseases: rheumatoid arthritis, inflammatory bowel disease and lupus-related diseases.

### Transition

• Following 28 years of service, John F. Milligan, Ph.D., stepped down from his role as President and Chief Executive Officer (CEO) effective December 31, 2018. Our Board announced the selection of Daniel O'Day to be our new Chairman and CEO effective March 1, 2019. Mr. O'Day brings more than 30 years of executive management, creative leadership and operational excellence. Most recently, Mr. O'Day served as the CEO of Roche Pharmaceuticals, the pharma division of Roche Group. We had other leadership transitions throughout the year resulting from planned successions and normal industry turnover.

### 2018 Financial Highlights

Total revenues decreased to \$22.1 billion and total product sales decreased to \$21.7 billion in 2018, compared to \$26.1 billion and \$25.7 billion in 2017, respectively, primarily due to lower sales of our HCV products, partially offset by higher sales of our HIV products. In the United States, product sales were \$16.2 billion in 2018, compared to \$18.1 billion in 2017. In Europe, product sales were \$3.7 billion in 2018, compared to \$5.0 billion in 2017. Product sales in other international locations were \$1.8 billion in 2018, compared to \$2.6 billion in 2017.

Cost of goods sold increased to \$4.9 billion in 2018, compared to \$4.4 billion in 2017, primarily due to reserves for excess raw material inventory, and higher amortization related to intangible assets acquired in connection with our acquisition of Kite Pharma, Inc. (Kite). In 2018, inventory reserves of \$440 million were recorded for excess raw materials primarily due to a sustained decrease in demand for Harvoni as a result of a shift in the market from Harvoni to Epclusa.

Research and development (R&D) expenses increased to \$5.0 billion in 2018, compared to \$3.7 billion in 2017, primarily due to an \$820 million impairment charge related to in-process R&D (IPR&D) for the KITE-585 program (an anti-BCMA being evaluated for the treatment of multiple myeloma), an increase in up-front collaboration expenses to further enhance our pipeline, a full year of investments to support the growth of our business following the acquisition of Kite and higher stock-based compensation expenses associated with the acquisition of Kite.

Selling, general and administrative (SG&A) expenses increased to \$4.1 billion for 2018, compared to \$3.9 billion in 2017, primarily due to a full year of investments to support the growth of our business following the acquisition of Kite, partially offset by lower acquisition-related costs associated with the acquisition of Kite and lower branded prescription drug (BPD) fees.

Net income attributable to Gilead was \$5.5 billion or \$4.17 per diluted share in 2018, compared to \$4.6 billion or \$3.51 per diluted share in 2017. The increase was primarily due to a \$5.5 billion charge to income tax expense related to the enactment of the Tax Cuts and Jobs Act (Tax Reform) recorded in 2017 and higher HIV product sales in 2018, partially offset by lower HCV product sales and higher operating expenses associated with advancement of our pipeline and investments to support the growth of our business following the acquisition of Kite in 2018.

As of December 31, 2018, we had \$31.5 billion of cash, cash equivalents and marketable debt securities compared to \$36.7 billion as of December 31, 2017. During 2018, we generated \$8.4 billion in operating cash flow, repaid \$6.3 billion of principal amount of debt, paid cash dividends of \$3.0 billion and repurchased a total of 40 million shares for \$2.9 billion through open market transactions.

### Outlook 2019

In 2019, we expect to continue to maintain our strong focus on operational excellence and financial discipline. From an R&D perspective, we expect to continue to invest in new and ongoing clinical studies that support both our existing products and product candidates. We expect data read-outs in 2019 including selonsertib or STELLAR-3 for the treatment of NASH, filgotinib for the treatment of rheumatoid arthritis, and Descovy for PrEP indication. In order to further augment our product pipeline, we continue to pursue opportunities for collaborations, partnerships and strategic investments that fit into our long term strategic plan.

From a commercial perspective, we expect to continue to promote Biktarvy and other HIV regimens containing TAF. In addition, we believe Truvada for PrEP will continue to be an integral part of our growth in HIV in the United States as communities continue to embrace the public health benefits of prevention. In HCV, we expect a decline in product sales as a result of lower patient starts across all markets and competitive factors, although at a lower rate than in 2018. We believe the launch of authorized generic versions of Epclusa and Harvoni in the United States through our separate subsidiary, Asegua, will increase access to the medications for patients at lower prices. In cell therapy, we expect to continue to promote Yescarta in the United States and support its launch in Europe.

We will continue to help promote patient access to our products around the world, including through our Gilead Access Program, under which more than 11 million people receive our HIV medicines in low- and middle-income countries.

Our progress on all of these initiatives is subject to a number of uncertainties, including, but not limited to, the possibility of unfavorable results from new and ongoing clinical trials (for example, we recently announced that STELLAR-4, a Phase 3 study evaluating the safety and efficacy of selonsertib in patients with compensated cirrhosis due to NASH, did not meet the pre-specified week 48 primary endpoint); the continuation of an uncertain global macroeconomic environment; additional pricing pressures from payers and competitors; slower than anticipated growth in our HIV products; an increase in discounts, chargebacks and rebates due to ongoing contracts and future negotiations with commercial and government payers; market share and price erosion caused by the introduction of generic versions of products containing tenofovir disoproxil fumarate (TDF) outside the United States and Viread, Letairis and Ranexa in the United States; inaccuracies in our HCV patient start estimates; potential amendments to the Affordable Care Act or other government action that could have the effect of lowering prices; a larger-than-anticipated shift in payer mix to more highly discounted payer segment; and volatility in foreign currency exchange rates.

### 2018 Results of Operations

### Total Revenues

The following table summarizes the period-over-period changes in our product sales and royalty, contract and other revenues:

(In millions, except percentages)	2018	Change	2017	Change	 2016
Revenues:					
Product sales	\$ 21,677	(16)%	\$ 25,662	(14)%	\$ 29,953
Royalty, contract and other revenues	450	1 %	445	2 %	437
Total revenues	\$ 22,127	(15)%	\$ 26,107	(14)%	\$ 30,390

On January 1, 2018, we adopted Accounting Standards Update No. 2014-09 "Revenue from Contracts with Customers" (Topic 606) using the modified retrospective method applied to those contracts which were not completed as of January 1, 2018. As such, results for 2018 are presented under Topic 606, while the information for prior periods has not been adjusted and continues to be reported in accordance with our historical accounting under Topic 605 "Revenue Recognition" (Topic 605). The impact as a result of applying Topic 606 in place of Topic 605 was not material for the year ended December 31, 2018. See Note 1, Organization and Summary of Significant Accounting Policies, and Note 2, Revenues, of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K for further information.

### **Product Sales**

### 2018 Compared to 2017

Total product sales decreased by 16% to \$21.7 billion in 2018, compared to \$25.7 billion in 2017, primarily due to lower sales of our HCV products, partially offset by increased sales of our HIV products.

HIV product sales increased by 12% to \$14.6 billion in 2018, compared to \$13.0 billion in 2017, primarily due to the launch of Biktarvy in 2018 and the continued uptake of Descovy, Genvoya and Odefsey.

HCV product sales decreased by 60% to \$3.7 billion in 2018, compared to \$9.1 billion in 2017, primarily due to lower average net selling price and lower sales volume across all major markets as a result of increased competition and lower patient starts.

Yescarta generated \$264 million in sales in 2018, compared to \$7 million in sales in 2017.

Other product sales, which include products from our HBV, cardiovascular, oncology and other categories inclusive of Vemlidy, Viread, Letairis, Ranexa, Zydelig and AmBisome, decreased by 12% to \$3.1 billion in 2018, compared to \$3.5 billion in 2017. Sales of Viread, which is primarily used for the treatment of chronic HBV infection, decreased due to the availability of generic versions of the product. Letairis is expected to face generic competition in the United States because the U.S. patent for ambrisentan, the active pharmaceutical ingredient in Letairis, expired in July 2018. Ranexa is also expected to face generic competition in the United States. We expect a decline in our Letairis and Ranexa sales in the United States after the generic entries.

Of our total product sales, 25% were generated outside the United States in 2018. We faced exposure to movements in foreign currency exchange rates, primarily in the Euro. We used foreign currency exchange contracts to hedge a percentage of our foreign currency exposure. Foreign currency exchange, net of hedges, had a favorable impact on our product sales of \$94 million in 2018, compared to 2017.

We record product sales net of estimated mandatory and supplemental discounts to government payers, in addition to discounts to private payers, including rebates, chargebacks, cash discounts for prompt payment, distributor fees and other related costs. These deductions are generally referred to as gross-to-net deductions, which totaled \$16.5 billion, or 43% of gross product sales in 2018, compared to \$17.2 billion, or 40% of gross products sales in 2017. Of the \$16.5 billion in 2018, \$14.8 billion or 39% of

gross product sales was related to government and other rebates and chargebacks, and \$1.7 billion was related to cash discounts for prompt payment, distributor fees and other related costs.

Product sales in the United States decreased by 11% to \$16.2 billion in 2018, compared to \$18.1 billion in 2017. The decrease was primarily due to lower sales of our HCV products, partially offset by higher sales of our HIV products. The decrease in sales of our HCV products was primarily due to lower average net selling price and lower sales volume as a result of increased competition. The increase in the sales of our HIV products was primarily due to the launch of Biktarvy in 2018, the continued uptake of Descovy, Genvoya and Odefsey, the increased usage of Truvada for PrEP and higher average net selling price, partially offset by the decreases in sales volume of Atripla, Complera and Stribild.

Product sales in Europe decreased by 26% to \$3.7 billion in 2018, compared to \$5.0 billion in 2017. The decrease was primarily due to lower sales of our HCV products and the availability of generic versions of Truvada, Atripla and Viread. The decrease in sales of our HCV products was primarily due to lower sales volume and average net selling price as a result of increased competition. The decrease was partially offset by our launch of Biktarvy in 2018 and the continued uptake of Descovy, Genvoya and Odefsey. Foreign currency exchange, net of hedges, had a favorable impact on our product sales in Europe of \$68 million in 2018, compared to 2017.

Product sales in other international locations decreased by 30% to \$1.8 billion in 2018, compared to \$2.6 billion in 2017, primarily due to lower sales of our HCV products in Japan. Sales of our HCV products in Japan decreased to \$167 million for 2018, compared to \$692 million in 2017, primarily due to lower market share as a result of increased competition.

### 2017 Compared to 2016

Total product sales decreased by 14% to \$25.7 billion in 2017, compared to \$30.0 billion in 2016, primarily due to lower sales of our HCV products, partially offset by increased sales of our HIV products.

HIV product sales increased by 11% to \$13.0 billion in 2017, compared to \$11.7 billion in 2016, primarily driven by the continued uptake of Descovy, Genvoya and Odefsey, partially offset by decreases in sales of Truvada, Atripla, Complera and Stribild.

HCV product sales decreased by 38% to \$9.1 billion in 2017, compared to \$14.8 billion in 2016, primarily due to declines across all major markets as a result of increased competition and lower total market patient starts.

Other product sales, which include products from our HBV, cardiovascular, oncology and other categories inclusive of Vemlidy, Viread, Letairis, Ranexa, Zydelig and AmBisome, increased by 2% to \$3.5 billion in 2017, compared to \$3.4 billion in 2016.

Of our total product sales, 29% were generated outside the United States in 2017. We faced exposure to movements in foreign currency exchange rates, primarily in the Euro. We used foreign currency exchange contracts to hedge a percentage of our foreign currency exposure. Foreign currency exchange, net of hedges, had an unfavorable impact on our product sales of \$117 million in 2017, compared to 2016.

Our gross-to-net deductions totaled \$17.2 billion, or 40% of gross product sales in 2017, compared to \$20.3 billion, or 40% of gross product sales in 2016. Of the \$17.2 billion in 2017, \$15.5 billion or 36% of gross product sales was related to government and other rebates and chargebacks, and \$1.7 billion was related to cash discounts for prompt payment, distributor fees and other related costs.

Product sales in the United States decreased by 6% to \$18.1 billion in 2017, compared to \$19.3 billion in 2016. The declines in sales of our HCV products was partially offset by the increase in sales of our HIV products. The declines in sales of our HCV products was primarily due to lower Harvoni and Sovaldi sales volume as a result of increased competition and lower total market patient starts. Additionally, increases in Epclusa and Vosevi sales volume were partially offset by lower average net selling price for Epclusa as pricing of all regimens has gravitated towards the 8-week regimen price. The increase in the sales of our HIV products was primarily due to the continued uptake of Descovy, Genvoya and Odefsey and higher average net selling prices, partially offset by decreases of Truvada, Atripla, Complera and Stribild and the prior year favorable impact of a revision to our rebate reserves of \$332 million, primarily related to Truvada, Atripla, Complera and Stribild.

Product sales in Europe decreased by 18% to \$5.0 billion in 2017, compared to \$6.1 billion in 2016, primarily due to lower Harvoni and Sovaldi sales volume, partially offset by higher Epclusa sales volume. Foreign currency exchange, net of hedges, had an unfavorable impact on our product sales in Europe of \$89 million in 2017 compared to 2016.

Product sales in other international locations decreased by 45% to \$2.6 billion in 2017, compared to \$4.6 billion in 2016, primarily due to lower sales in Japan. Sales of our HCV products in Japan decreased to \$692 million in 2017, compared to \$2.5 billion in 2016, primarily due to lower sales volume as a result of lower total market patient starts and increased competition.

The following table summarizes the period-over-period changes in our product sales:

(In millions, except percentages)	2018	Change	2017	Change	2016
Atripla	\$ 1,206	(33)%	\$ 1,806	(31)%	\$ 2,605
Biktarvy	1,184	*	_	*	_
Complera/Eviplera	653	(32)%	966	(34)%	1,457
Descovy	1,581	30 %	1,218	*	298
Genvoya	4,624	26 %	3,674	*	1,484
Odefsey	1,598	44 %	1,106	*	329
Stribild	644	(39)%	1,053	(45)%	1,914
Truvada	2,997	(4)%	3,134	(12)%	3,566
Other HIV ⁽¹⁾	61	5 %	58	23 %	47
Revenue share - Symtuza ⁽²⁾	79	*	_	*	_
Total HIV	14,627	12 %	13,015	11 %	11,700
AmBisome	420	15 %	366	3 %	356
Epclusa	1,966	(44)%	3,510	100 %	1,752
Harvoni	1,222	(72)%	4,370	(52)%	9,081
Letairis	943	6 %	887	8 %	819
Ranexa	758	6 %	717	6 %	677
Vemlidy	321	*	122	*	3
Viread	307	(71)%	1,046	(12)%	1,186
Vosevi	396	35 %	293	*	_
Yescarta	264	*	7	*	_
Zydelig	133	(11)%	149	(11)%	168
Other(3)	320	(73)%	1,180	(72)%	4,211
Total product sales	\$ 21,677	(16)%	\$ 25,662	(14)%	\$ 29,953

### Notes:

The following is additional discussion of our results on certain products:

• Descovy (FTC/TAF)-based products - Biktarvy, Descovy, Genvoya and Odefsey

Product sales of our Descovy (FTC/TAF)-based products were \$9.0 billion, \$6.0 billion and \$2.1 billion, and were 41%, 23% and 7% of our total product sales in 2018, 2017 and 2016, respectively.

In 2018, sales of our Descovy (FTC/TAF)-based products were \$7.2 billion in the United States and \$1.5 billion in Europe, compared to \$5.0 billion in the United States and \$892 million in Europe in 2017 and \$1.8 billion in the United States and \$256 million in Europe in 2016.

The increase in 2018 compared to 2017 in all major markets was primarily driven by higher sales volume reflecting our launch of Biktarvy in 2018 and the continued uptake of Genvoya, Odefsey and Descovy.

The increase in 2017 compared to 2016 in all major markets was primarily driven by higher sales volume as patients shifted away from Truvada (FTC/TDF)-based regimens.

• Truvada (FTC/TDF)-based products - Atripla, Complera/Eviplera, Stribild and Truvada

Product sales of our Truvada (FTC/TDF)-based products were \$5.5 billion, \$7.0 billion and \$9.5 billion, and were 25%, 27% and 32% of our total product sales in 2018, 2017 and 2016, respectively.

In 2018, sales of our Truvada (FTC/TDF)-based products were \$4.4 billion in the United States and \$815 million in Europe, compared to \$4.8 billion in the United States and \$1.7 billion in Europe in 2017 and \$6.6 billion in the United States and \$2.3 billion in Europe in 2016.

^{*} Percentage not meaningful

⁽¹⁾ Includes Emtriva and Tybost

⁽²⁾ Represents our revenue from cobicistat (C), FTC and TAF in Symtuza® (darunavir/C/FTC/TAF), a fixed dose combination product commercialized by Janssen

⁽³⁾ Includes Cayston, Hepsera and Sovaldi

In the United States, the decrease in 2018 compared to 2017 was primarily due to lower sales volume as a result of patients switching to newer regimens containing TAF, partially offset by the increased usage of Truvada for PrEP and higher average net selling price of certain of our Truvada (FTC/TDF)-based products. In Europe, the decrease in 2018 compared to 2017 was primarily due to lower sales volume as a result of the availability of generic versions of Truvada and Atripla and patients switching to newer regimens containing TAF.

In the United States, the decrease in 2017 compared to 2016 was primarily due to lower sales volume as a result of patients switching to newer regimens containing TAF, partially offset by the increased usage of Truvada for PrEP. In Europe, the decreases in 2017 compared to 2016 was primarily due to lower sales volume as a result of the availability of generic versions of Truvada in several countries and patients switching to newer regimens containing TAF.

### • HCV products - Epclusa, Harvoni, Sovaldi and Vosevi

HCV product sales were \$3.7 billion, \$9.1 billion and \$14.8 billion, and were 17%, 36% and 50% of our total product sales in 2018, 2017 and 2016, respectively.

In 2018, sales of our HCV products were \$2.0 billion in the United States, \$896 million in Europe and \$767 million in other international locations. In 2017, sales of our HCV products were \$5.9 billion in the United States, \$1.9 billion in Europe and \$1.4 billion in other international locations. In 2016, sales of our HCV products were \$8.4 billion in the United States, \$2.8 billion in Europe and \$3.6 billion in other international locations.

The decrease in 2018 compared to 2017 in all major markets was primarily due to lower sales volume and lower average net selling price as a result of increased competition and lower total market patient starts. Harvoni and Sovaldi product sales also decreased as a result of a shift in the market from Harvoni and Sovaldi to Epclusa.

The decrease in 2017 compared to 2016 in all major markets was primarily due to lower sales volume and lower average net selling price as a result of increased competition and lower total market patient starts. Harvoni and Sovaldi product sales also decreased as a result of a shift in the market from Harvoni and Sovaldi to Epclusa. Epclusa product sales increased in 2017 compared to 2016 primarily due to a full year of sales. Epclusa was approved by FDA and European Commission in June and July 2016, respectively.

### Cost of Goods Sold and Product Gross Margin

The following table summarizes the period-over-period changes in our product sales, cost of goods sold and product gross margin:

(In millions, except percentages)	2018		Change	2017		Change	2016	
Total product sales	\$	21,677	(16)%	\$	25,662	(14)%	\$	29,953
Cost of goods sold	\$	4,853	11 %	\$	4,371	3 %	\$	4,261
Product gross margin		78%			83%			86%

Our cost of goods sold for 2018 increased by \$482 million or 11%, compared to 2017, primarily due to higher inventory reserves. In 2018, we recorded inventory reserves of \$572 million, of which \$440 million was related to excess raw materials primarily due to a sustained decrease in demand for Harvoni as a result of a shift in the market from Harvoni to Epclusa. Inventory reserves recorded for the years ended December 31, 2017 and 2016 were not material. Cost of goods sold also increased due to a full year of amortization expense related to intangible assets acquired in connection with our acquisition of Kite in October 2017. The increases were partially offset by lower costs of efavirenz, a component of Atripla, as a result of the termination of a collaboration arrangement with Bristol-Myers Squibb Company on December 31, 2017.

The decrease in our product gross margin in 2018 compared to 2017 was primarily due to the factors impacting cost of goods sold noted above and changes in product mix.

The decrease in our product gross margin in 2017 compared to 2016 was primarily due to changes in product mix, as our HCV product sales decreased as a percentage of total product sales.

### Research and Development Expenses

The following table summarizes the period-over-period changes in R&D expenses:

(In millions, except percentages)	2018		Change	2017		Change	 2016
R&D expenses	\$	5,018	34%	\$	3,734	(27)%	\$ 5,098

R&D expenses consist primarily of clinical studies performed by contract research organizations, materials and supplies, licenses and fees, up-front and milestone payments under collaboration agreements, personnel costs, including salaries, benefits and stock-based compensation and overhead allocations consisting of various support and facilities-related costs.

We do not track total R&D expenses by product candidate, therapeutic area or development phase. However, we manage our R&D expenses by identifying the R&D activities we anticipate will be performed during a given period and then prioritizing efforts based on scientific data, probability of successful development, market potential, available human and capital resources and other considerations. We continually review our R&D pipeline and the status of development and, as necessary, reallocate resources among the R&D portfolio that we believe will best support the future growth of our business.

The following table provides a breakout of R&D expenses by major cost type (in millions):

	2018			2017	2016	
Clinical studies and outside services	\$	1,665	\$	1,881	\$	2,446
Personnel, infrastructure and other expenses		1,876		1,399		1,271
IPR&D impairment charges		820		_		432
Up-front collaboration expenses		278		_		373
Acquired IPR&D		_		222		400
Stock-based compensation expenses		379		232		176
Total	\$	5,018	\$	3,734	\$	5,098

In 2018, R&D expenses increased by \$1.3 billion or 34%, compared to 2017, primarily due to an \$820 million impairment charge related to the IPR&D for the KITE-585 program due to its discontinuance, an increase in up-front collaboration expenses and higher personnel and facilities-related costs to support the growth of our business following the acquisition of Kite, partially offset by higher acquired IPR&D expense in 2017 as a result of our purchase of Cell Design Labs, Inc.

In 2017, R&D expenses decreased by \$1.4 billion or 27%, compared to 2016, primarily due to the 2016 impacts of business development activities resulting in up-front collaboration expense related to our license and collaboration agreement with Galapagos NV and acquired IPR&D expense related to our purchase of Nimbus Apollo, Inc., IPR&D impairment charges and ongoing milestone payments, partially offset by acquired IPR&D expense related to our purchase of Cell Design Labs, Inc. in 2017.

## Selling, General and Administrative Expenses

The following table summarizes the period-over-period changes in SG&A expenses:

(In millions, except percentages)	2018 Change			2017	Change	2016	
SG&A expenses	\$ 4,056	5%	\$	3,878	14%	\$ 3,398	

SG&A expenses relate to sales and marketing, finance, human resources, legal and other administrative activities. Expenses consist primarily of personnel costs, facilities and overhead costs, outside marketing, advertising and legal expenses and other general and administrative costs. SG&A expenses also include the BPD fee. In the United States, we, along with other pharmaceutical manufacturers of branded drug products, are required to pay a portion of the BPD fee, which is estimated based on select government sales during the prior year as a percentage of total industry government sales and is trued-up upon receipt of invoices from the Internal Revenue Service.

In 2018, SG&A expenses increased by \$178 million or 5%, compared to 2017, primarily due to a full year of expense to support the growth of our business following the acquisition of Kite, partially offset by lower acquisition-related costs associated with the acquisition of Kite and lower BPD fees.

In 2017, SG&A expenses increased by \$480 million or 14%, compared to 2016, primarily due to costs associated with our acquisition of Kite, which primarily consist of stock-based compensation and transaction costs, as well as higher BPD fee expenses resulting from a favorable adjustment of \$191 million in the first quarter of 2016.

BPD fee expenses were \$229 million, \$385 million and \$270 million in 2018, 2017 and 2016, respectively. BPD fee expenses are not tax-deductible.

## Other Income (Expense), Net

Other income (expense), net, was \$676 million, \$523 million and \$428 million in 2018, 2017 and 2016, respectively. The increase in 2018 compared to 2017 was primarily due to unrealized gains from changes in the fair value of our marketable equity securities. Starting in January 2018, we recorded unrealized gains (losses) from changes in the fair value of our marketable equity securities in Other income (expense), net, on our Consolidated Statements of Income as a result of the adoption of Accounting Standards Update No. 2016-01 "Financial Instruments-Overall: Recognition and Measurement of Financial Assets and Financial Liabilities". See Note 1, Organization and Summary of Significant Accounting Policies, of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K for further information.

The increase in other income (expense), net, in 2017 compared to 2016 was primarily due to our cash, cash equivalents and marketable securities earning a higher yield and higher cash balances.

#### Provision for Income Taxes

Provision for income taxes was \$2.3 billion in 2018 compared to \$8.9 billion in 2017. The 2018 effective tax rate decreased to 30.0% from the 2017 effective tax rate of 65.7%, primarily due to a \$5.5 billion net tax charge in 2017 and a reduction to the U.S. corporate tax rate in 2018 as a result of the enactment of Tax Reform in December 2017. In addition, the 2018 effective tax rate was further decreased due to a \$202 million tax benefit recorded in 2018 related to settlement of tax examinations, offset by a \$588 million deferred tax charge in 2018 resulting from a transfer of acquired intangible assets between wholly owned subsidiaries, changes to the geographic mix of earnings and the tax on Global Intangible Low-Taxed Income (enacted as part of Tax Reform). We are continuing to evaluate certain changes to our legal entity structure in response to guidelines and requirements in various international tax jurisdictions where we conduct business. These changes may take multiple reporting periods to implement and may result in certain material, but non-recurring, adjustments to our deferred tax assets and/or liabilities, which will cause an offsetting increase or decrease to our tax provision. Estimates of these adjustments cannot be reasonably determined at this time and are dependent on the changes actually implemented.

Our provision for income taxes was \$8.9 billion in 2017 compared to \$3.6 billion in 2016. The 2017 effective tax rate increased to 65.7% from the 2016 effective tax rate of 21.1%, primarily due to the enactment of Tax Reform in December 2017. Changes to the geographic mix of earnings also contributed to the increase in the 2017 effective tax rate.

See Note 18, Income Taxes of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional details on Tax Reform.

#### **Liquidity and Capital Resources**

The following table summarizes our cash, cash equivalents, and marketable debt securities and working capital (in millions):

	December 31,						
	 2018		2017				
Cash, cash equivalents and marketable debt securities	\$ 31,512	\$	36,694				
Working capital	\$ 25,231	\$	20,188				

## Cash, Cash Equivalents and Marketable debt Securities

Cash, cash equivalents and marketable debt securities decreased by \$5.2 billion, or 14%, compared to December 31, 2017. During 2018, we generated \$8.4 billion in operating cash flow, repaid \$1.8 billion principal amount of senior unsecured notes at maturity, repaid \$4.5 billion of term loans borrowed in connection with our acquisition of Kite, paid cash dividends of \$3.0 billion and utilized \$2.9 billion on stock repurchases.

#### Working Capital

Working capital increased by \$5.0 billion, or 25%, compared to December 31, 2017, primarily driven by an increase in cash and cash equivalents resulting from a shift in the average remaining term to maturity of our marketable debt securities portfolio to reduce interest rate risk.

## Cash Flows

The following table summarizes our cash flow activities (in millions):

_	2018		2017	2016		
Cash provided by (used in):			_			
Operating activities	8,400	\$	11,898	\$	17,047	
Investing activities	14,355	\$	(16,069)	\$	(11,985)	
Financing activities	(12,318	() \$	3,393	\$	(9,725)	

## Cash Provided by Operating Activities

Cash provided by operating activities represents the cash receipts and disbursements related to all of our activities other than investing and financing activities. Operating cash flow is derived by adjusting our net income for non-cash items and changes in operating assets and liabilities. Cash provided by operating activities decreased by \$3.5 billion to \$8.4 billion in 2018 compared to 2017, primarily due to lower cash receipts as a result of lower product sales and higher tax payments. The tax payments made

in 2018 included a \$500 million payment related to the first annual installment of the Tax Reform transition tax, a \$771 million deemed early payment of the Tax Reform transition tax and a \$514 million settlement of a tax examination.

Cash provided by operating activities decreased by \$5.1 billion to \$11.9 billion in 2017 compared to 2016, primarily due to lower cash receipts as a result of lower product sales and higher tax payments.

#### Cash Provided by (Used in) Investing Activities

Cash provided by (used in) investing activities primarily consists of purchases, sales and maturities of our marketable debt securities, capital expenditures, acquisitions (net of cash acquired) and other investments.

Cash provided by investing activities was \$14.4 billion in 2018 compared to cash used in investing activities of \$16.1 billion in 2017. The change in cash provided by (used in) investing activities was primarily due to higher proceeds from maturities of our marketable debt securities and lower purchases of marketable debt securities, partially offset by lower proceeds from sales of our marketable debt securities. In addition, \$10.4 billion cash was used to acquire Kite in 2017, whereas no cash was used for acquisitions in 2018.

Cash used in investing activities increased by \$4.1 billion to \$16.1 billion in 2017 compared to 2016, primarily due to our acquisition of Kite, partially offset by higher proceeds from maturities and sales of marketable debt securities and lower purchases of marketable debt securities.

## Cash Provided by (Used in) Financing Activities

Cash used in financing activities was \$12.3 billion in 2018, compared to cash provided by financing activities of \$3.4 billion in 2017. The change in cash provided by (used in) financing activities was primarily due to higher repayment of debt and repurchases of our common stock in 2018. In addition, we had \$9.0 billion net proceeds from debt issuances to partially fund our acquisition of Kite in 2017, whereas no debt was issued in 2018.

Cash provided by financing activities was \$3.4 billion in 2017, compared to cash used in financing activities of \$9.7 billion in 2016, primarily due to lower repurchases of our common stock and higher proceeds from the issuances of debt.

#### Debt and Credit Facilities

#### Long-Term Obligations

The summary of our borrowings under various financing arrangements is included in Note 12, Debt and Credit Facilities of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K.

#### Senior Unsecured Notes

In 2018, we repaid at maturity \$1.0 billion principal amount of senior unsecured notes that were issued in September 2015 and \$750 million of principal amount of senior unsecured notes that were issued in September 2017.

In 2017, in connection with our acquisition of Kite, we issued \$3.0 billion aggregate principal amount of senior unsecured notes consisting of \$750 million principal amount of floating rate notes due September 2018, \$750 million principal amount of floating rate notes due March 2019, and \$500 million principal amount of floating rate notes due September 2019 (collectively, the Floating Rate Notes) and \$1.0 billion principal amount of 1.85% senior notes due September 2019 (the Fixed Rate Notes, and collectively with the Floating Rate Notes, the 2017 Notes). The Floating Rate Notes bear interest rates equal to three month London Interbank Offered Rates (LIBOR), plus 0.17% with respect to the Floating Rate Notes due September 2018, 0.22% with respect to the Floating Rate Notes due March 2019 and 0.25% with respect to the Floating Rate Notes due September 2019. The Fixed Rate Notes pay interest semiannually and the Floating Rate Notes pay interest quarterly.

We are required to comply with certain covenants under our notes indentures and as of December 31, 2018, we were not in violation of any covenants.

#### Term Loan Facilities

In September 2017, we entered into a \$6.0 billion aggregate principal amount term loan facility credit agreement consisting of a \$1.0 billion principal amount 364-day senior unsecured term loan facility, a \$2.5 billion principal amount three-year senior unsecured term loan facility and a \$2.5 billion principal amount five-year senior unsecured term loan facility (collectively, the Term Loan Facilities). In October 2017, we drew \$6.0 billion aggregate principal amount on the Term Loan Facilities and used the proceeds to finance our acquisition of Kite, of which \$1.5 billion was repaid in 2017 and the remaining \$4.5 billion was repaid in 2018. The term loan facility credit agreement was terminated in 2018.

#### Credit Facilities

In 2016, we entered into a \$2.5 billion five-year revolving credit facility maturing in May 2021 (the Five-Year Revolving Credit Agreement). The revolving credit facility can be used for working capital requirements and for general corporate purposes, including, without limitation, acquisitions. We are required to comply with certain covenants under the Five-Year Revolving Credit Agreement and as of December 31, 2018, we were not in violation of any covenants, and no amounts were outstanding under the Five-Year Revolving Credit Agreement.

## Capital Return Program

The details of our Stock Repurchase Programs and Dividends are included in Note 14, Stockholders' Equity of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional information.

#### Stock Repurchase Programs

In the first quarter of 2016, our Board of Directors authorized a \$12.0 billion stock repurchase program (2016 Program), under which repurchases may be made in the open market or in privately negotiated transactions. We started repurchases under the 2016 Program in April 2016.

Repurchases under the 2016 Program were 40 million and 13 million shares of our common stock for \$2.9 billion and \$954 million in 2018 and 2017, respectively. As of December 31, 2018, the remaining authorized repurchase amount under the 2016 Program was \$5.1 billion.

#### Dividends

We declared and paid quarterly cash dividends for an aggregate amount of \$3.0 billion or \$2.28 per common share and \$2.7 billion or \$2.08 per common share in 2018 and 2017, respectively.

On February 4, 2019, we announced that our Board of Directors declared a quarterly cash dividend increase of 11% from \$0.57 to \$0.63 per share of our common stock, with a payment date of March 28, 2019 to all stockholders of record as of the close of business on March 15, 2019. Future dividends are subject to declaration by the Board of Directors.

## Capital Resources

We believe our existing capital resources, supplemented by cash flows generated from our operations, will be adequate to satisfy our capital needs for the foreseeable future. Our future capital requirements will depend on many factors, including but not limited to the following:

- the commercial performance of our current and future products;
- the progress and scope of our R&D efforts, including preclinical studies and clinical trials;
- the cost, timing and outcome of regulatory reviews;
- the expansion of our sales and marketing capabilities;
- the possibility of acquiring additional manufacturing capabilities or office facilities;
- the possibility of acquiring other companies or new products;
- debt service requirements;
- the establishment of additional collaborative relationships with other companies; and
- costs associated with the defense, settlement and adverse results of government investigations and litigation

We may in the future require additional funding, which could be in the form of proceeds from equity or debt financings. If such funding is required, we cannot guarantee that it will be available to us on favorable terms, if at all.

## Critical Accounting Policies, Estimates and Judgments

The discussion and analysis of our financial condition and results of operations is based on our Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K, which have been prepared in accordance with U.S. generally accepted accounting principles. The preparation of these financial statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses and related disclosures. On an ongoing basis, we evaluate and base our estimates on historical experience and on various other market specific and other relevant assumptions that we believe to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ significantly from these estimates.

We believe the following critical accounting policies reflect the more significant judgments and estimates used in the preparation of our Consolidated Financial Statements.

#### Revenue Recognition

Adoption of ASC Topic 606, "Revenue from Contracts with Customers"

On January 1, 2018, we adopted Topic 606 using the modified retrospective method whereby results for reporting periods beginning after January 1, 2018 are presented under Topic 606, while prior period amounts are not adjusted and continue to be reported in accordance with our historical accounting under Topic 605. Under Topic 606, an entity recognizes revenue when it transfers control of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. We recorded the cumulative effect of applying the new revenue standard as a net increase of \$190 million to the opening balance of retained earnings. The impact as a result of applying Topic 606 in place of Topic 605 was not material for the year ended December 31, 2018.

#### Product Sales

We recognize revenue from product sales when control of the product transfers, generally upon shipment or delivery, to the customer, or in certain cases, upon the corresponding sales by our customer to a third party. We record product sales net of estimated mandatory and supplemental discounts to government and private payers, in addition to discounts to private payers, and other related charges. These are generally accounted for as variable consideration estimated in the same period the related sales occur. Government and other rebates and chargebacks represent the majority of our variable consideration and require complex and significant judgment by management. Estimates are assessed each period and updated to reflect current information.

## Government and Other Rebates and Chargebacks

Government and other rebates and chargebacks include amounts paid to payers and healthcare providers in the United States, including Medicaid rebates, AIDS Drug Assistance Program rebates and chargebacks, Veterans Administration and Public Health Service chargebacks and other rebates, as well as foreign government rebates. Rebates and chargebacks are based on contractual arrangements or statutory requirements which may vary by product, by payer and individual payer plans.

For qualified programs that can purchase our products through wholesalers or other distributors at a lower contractual price, the wholesalers or distributors charge back to us the difference between their acquisition cost and the lower contractual price.

Our allowances for government and other rebates and chargebacks are estimated based on products sold, historical payer mix, pertinent third-party industry information, estimated patient population, known market events or trends, channel inventory data and/or other market data. We also consider new information regarding changes in programs' regulations and guidelines that would impact the amount of the actual rebates and/or our expectations regarding future payer mix for these programs. We believe the methodology that we use to estimate our government and other rebates and chargebacks is reasonable and appropriate given the current facts and circumstances. However, actual results may differ significantly from our estimates. Historically, our actual government rebates and chargebacks claimed for prior periods have varied by less than 5% from our estimates.

Government and other chargebacks that are payable to our direct customers are classified as reductions of Accounts receivable on our Consolidated Balance Sheets and totaled \$492 million and \$340 million at December 31, 2018 and 2017, respectively. Government and other rebates that are invoiced directly to us are recorded in Accrued government and other rebates on our Consolidated Balance Sheets and totaled \$3.9 billion and \$4.7 billion at December 31, 2018 and 2017, respectively. The following table summarizes the consolidated activities and ending balances in our government and other rebates and chargebacks accounts (in millions):

Accrued government and other rebates and chargebacks:	 llance at ning of Year	ase/(Increase) to roduct Sales	Payments	Bala	nnce at End of Year
Year ended December 31, 2018:		_	 _		
Activity related to 2018 sales	\$ _	\$ 14,784	\$ (10,953)	\$	3,831
Activity related to sales prior to 2018	5,044	41	(4,496)		589
Total	\$ 5,044	\$ 14,825	\$ (15,449)	\$	4,420
Year ended December 31, 2017:			 		
Activity related to 2017 sales	\$ _	\$ 15,809	\$ (11,170)	\$	4,639
Activity related to sales prior to 2017	5,657	(264)	(4,988)		405
Total	\$ 5,657	\$ 15,545	\$ (16,158)	\$	5,044

## Legal Contingencies

We are a party to various legal actions. The most significant of these are described in Note 13, Commitments and Contingencies - Legal Proceedings of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K. It is not possible to determine the outcome of these matters. We recognize accruals for such actions to the extent that we conclude that a loss is both probable and reasonably estimable. We accrue for the best estimate of a loss within a range; however, if no estimate in the range is better than any other, then we accrue the minimum amount in the range. If we determine that a loss is reasonably possible and the loss or range of loss can be estimated, we disclose the possible loss.

Significant judgment is required in both the determination of probability and the determination as to whether an exposure is reasonably estimable. Because of the inherent uncertainty and unpredictability related to these matters, accruals are based on what we believe to be the best information available at the time of our assessment, including the legal facts and circumstances of the case, status of the proceedings, applicable law and the views of legal counsel. Upon the final resolution of such matters, it is possible that there may be a loss in excess of the amount recorded, and such amounts could have a material adverse effect on our results of operations, cash flows or financial position. We periodically reassess these matters when additional information becomes available and adjust our estimates and assumptions when facts and circumstances indicate the need for any changes.

We did not recognize any accruals in our Consolidated Balance Sheets for such matters as of December 31, 2018 and 2017 as we did not believe losses were probable.

#### Valuation of Intangible Assets

The identifiable intangible assets are measured at their respective fair values as of the acquisition date and may be subject to revision within the measurement period, which may be up to one year from the acquisition date. The models used in valuing these intangible assets require the use of significant estimates and assumptions including but not limited to:

- estimates of revenues and operating profits related to the products or product candidates;
- the probability of success for unapproved product candidates considering their stages of development;
- the time and resources needed to complete the development and approval of product candidates;
- the life of the potential commercialized products and associated risks, including the inherent difficulties and uncertainties in developing a product candidate such as obtaining FDA and other regulatory approvals; and
- risks related to the viability of and potential alternative treatments in any future target markets.

We believe the fair values used to record intangible assets acquired in connection with a business combination using information known and knowable and are based upon reasonable estimates and assumptions given the facts and circumstances as of the related valuation dates.

Intangible assets related to IPR&D projects are considered to be indefinite-lived until the completion or abandonment of the associated R&D efforts. If and when development is complete, which generally occurs if and when regulatory approval to market a product is obtained, the associated assets would be deemed finite-lived and would then be amortized based on their respective estimated useful lives at that point in time. During the period the assets are considered indefinite-lived, they are not amortized but are tested for impairment on an annual basis as well as between annual tests if we become aware of any events or changes that would indicate that it is more likely than not that the fair values of the IPR&D projects are below their respective carrying amounts. The fair value of our indefinite-lived intangible assets is dependent on assumptions such as the expected timing or probability of achieving the specified milestones, changes in projected revenues or changes in discount rates. Significant judgment is employed in determining these assumptions and changes to our assumptions could have a significant impact on our results of operations in any given period.

Intangible assets with finite useful lives are amortized over their estimated useful lives primarily on a straight-line basis. Intangible assets with finite useful lives are reviewed for impairment when facts or circumstances suggest that the carrying value of these assets may not be recoverable.

On October 3, 2017, in connection with our Kite acquisition, we acquired intangible assets primarily related to IPR&D for axicabtagene ciloleucel, KITE-585 (an anti-BCMA, being evaluated for the treatment of multiple myeloma) and KTE-X19 (being evaluated for the treatment of adult and pediatric acute lymphoblastic leukemia), which had an estimated aggregate fair value of \$9.0 billion. On October 18, 2017, FDA approved axicabtagene ciloleucel, now known commercially as Yescarta, making it the first CAR T cell therapy for the treatment of adult patients with relapsed or refractory large B-cell lymphoma after two or more lines of systemic therapy, which includes diffuse large B-cell lymphoma, transformed follicular lymphoma and primary mediastinal B-cell lymphoma. Upon approval, we reclassified \$6.2 billion of the purchased IPR&D as a finite-lived intangible asset. We are amortizing this asset over an estimated useful life of 18 years using the straight-line method.

During the fourth quarter of 2018, we concluded that the efficacy profile of the KITE-585 program did not justify further efforts based on the totality of the clinical data gathered and made a decision to discontinue the KITE-585 program. As a result,

the estimated fair value of the IPR&D relating to the KITE-585 program was written down to zero and we recorded an impairment charge of \$820 million within Research and development expenses on our Consolidated Statements of Income included in Item 8 of this Annual Report on Form 10-K.

#### Provision for Income Taxes

We estimate our income tax provision, including deferred tax assets and liabilities, based on significant management judgment. We evaluate the realization of all or a portion of our deferred tax assets on a quarterly basis. We record a valuation allowance to reduce our deferred tax assets to the amounts that are more likely than not to be realized. We consider future taxable income, ongoing tax planning strategies and our historical financial performance in assessing the need for a valuation allowance. If we expect to realize deferred tax assets for which we have previously recorded a valuation allowance, we will reduce the valuation allowance in the period in which such determination is first made. The valuation allowance was \$331 million and \$162 million at December 31, 2018 and 2017, respectively. The increase of our valuation allowance in 2018 was primarily related to certain Kite tax attributes and certain foreign jurisdictions, which do not have sufficient history of profit to realize the benefit of the losses on a more-likely-than-not basis.

We are subject to income taxes in the United States and various foreign jurisdictions including Ireland. Due to economic and political conditions, various countries are actively considering and have made changes to existing tax laws (for example, the United States enacted significant tax reform, and certain provisions of the new law will continue to significantly affect us). We cannot predict the form or timing of potential legislative changes that could have a material adverse impact on our results of operations. In addition, significant judgment is required in determining our worldwide provision for income taxes.

We record liabilities related to uncertain tax positions in accordance with the guidance that clarifies the accounting for uncertainty in income taxes recognized in an enterprise's financial statements by prescribing a minimum recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. An adverse resolution of one or more of these uncertain tax positions in any period could have a material impact on the results of operations for that period.

Of the total unrecognized tax benefits, \$1.3 billion and \$1.8 billion at December 31, 2018 and 2017, if recognized, would reduce our effective tax rate in the period of recognition. As of December 31, 2018, we believe that it is reasonably possible that our unrecognized tax benefits will decrease by approximately \$100 million in the next 12 months due to potential settlements with taxing authorities.

We file federal, state and foreign income tax returns in the United States and in many foreign jurisdictions. For federal income tax purposes, the statute of limitations is open for 2013 and onwards and 2010 and onwards for California income tax purposes. For certain acquired entities, the statute of limitations is open for all years from inception due to our utilization of their net operating losses and credits carried over from prior years.

Our income tax returns are subject to audit by federal, state and foreign tax authorities. We are currently under examination by the IRS for the tax years from 2013 to 2015 and by various state and foreign jurisdictions. There are differing interpretations of tax laws and regulations, and as a result, significant disputes may arise with these tax authorities involving issues of the timing and amount of deductions and allocations of income among various tax jurisdictions. We periodically evaluate our exposures associated with our tax filing positions.

See Note 18, Income Taxes of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional information.

#### Off Balance Sheet Arrangements

We do not have any off balance sheet arrangements as defined in Item 303(a)(4)(ii) of Regulation S-K.

#### **Contractual Obligations**

Our contractual obligations consist of debt obligations, operating leases, capital commitments, purchase obligations for active pharmaceutical ingredients and inventory-related items and clinical trials contracts. The following table summarizes our significant enforceable and legally binding obligations, future commitments and obligations related to all contracts that we are likely to continue regardless of the fact that certain of these obligations may be cancelable as of December 31, 2018 (in millions):

	Payments due by Period										
Contractual Obligations	Total			ss than one year	1	-3 years		3-5 years	М	lore than 5 years	
Debt (1)	\$	41,876	\$	3,753	\$	6,582	\$	3,801	\$	27,740	
Operating lease obligations		574		89		144		112		229	
Capital commitments (2)		336		336		_		_		_	
Purchase obligations (3)		1,629		1,280		214		72		63	
Clinical trials (5)		1,678		930		505		207		36	
Transition Tax Payable (6)		4,639				621		1,359		2,659	
Total (4)(7)	\$	50,732	\$	6,388	\$	8,066	\$	5,551	\$	30,727	

#### Notes:

- (1) Debt consists of senior unsecured notes and includes principal and interest payments. Interest payments for our fixed rate senior unsecured notes are incurred and calculated based on terms of the related notes. Interest payments for our variable rate debt are calculated based on the interest rates on the last reset date in 2018 for each debt instrument. See Note 12, Debt and Credit Facilities of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional information.
- (2) Amounts include capital project commitments primarily relating to construction of new buildings.
- (b) Amounts include purchase commitments primarily relating to active pharmaceutical ingredients with minimum purchase requirements and certain inventory-related items. These amounts also include a \$365 million accrued payment to Japan Tobacco, Inc. as a result of a collaboration arrangement. See Note 11, Collaborative Arrangements of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional information.
- (4) In addition to the above, we have committed to make potential future milestone payments to third parties as part of licensing, collaboration and development arrangements. Payments under these agreements generally become due and payable only upon achievement of certain developmental, regulatory and/or commercial milestones. Because the achievement of these milestones is neither probable nor reasonably estimable, such contingencies have not been recorded on our Consolidated Balance Sheets and have not been included in the table above.
- (5) At December 31, 2018, we had several clinical studies in various clinical trial phases. Our most significant clinical trial expenditures are to contract research organizations (CROs). Although all of our material contracts with CROs are cancelable, we historically have not canceled such contracts. These amounts reflect commitments based on existing contracts and do not reflect any future modifications to, or terminations of, existing contracts or anticipated or potential new contracts.
- (6) In connection with Tax Reform, as of December 31, 2017, we recorded a federal income tax payable for transition tax on the mandatory deemed repatriation of foreign earnings that will be payable over an eight-year period. The amounts included in the table above represent the remaining federal income tax payable after applying the first year's installment payment and early payments of future installments. See Note 18, Income Taxes of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional details on Tax Reform.
- (7) As of December 31, 2018, our long-term income taxes payable includes unrecognized tax benefits, interest and penalties totaling \$1.3 billion. Due to the high degree of uncertainty on the timing of future cash settlement and other events that could extinguish these unrecognized tax benefits, we are unable to estimate the period of cash settlement and therefore we have excluded these unrecognized tax benefits from the table above.

## Recent Accounting Pronouncements

The information required by this item is included in Note 1, Organization and Summary of Significant Accounting Policies of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K.

## ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

We are exposed to market risks that may result from changes in foreign currency exchange rates, interest rates, credit risks and market price. To reduce certain of these risks, we enter into various types of foreign currency or interest rate derivative hedging transactions, follow investment guidelines and monitor outstanding receivables as part of our risk management program.

#### Foreign Currency Exchange Risk

Our operations include manufacturing and sales activities in the United States, Canada and Ireland as well as sales activities in countries outside the United States, including Europe and Asia Pacific. As a result, our financial results could be significantly affected by factors such as changes in foreign currency exchange rates or weak economic conditions in the foreign markets in which we distribute our products. Our operating results are exposed to changes in foreign currency exchange rates between the U.S. dollar and various foreign currencies, the most significant of which is the Euro. When the U.S. dollar strengthens against

these currencies, the relative value of sales made in the respective foreign currency decreases. Conversely, when the U.S. dollar weakens against these currencies, the relative amounts of such sales increase. Overall, we are a net receiver of foreign currencies and, therefore, benefit from a weaker U.S. dollar and are adversely affected by a stronger U.S. dollar relative to those foreign currencies in which we transact significant amounts of business.

Approximately 25% of our product sales were denominated in foreign currencies during 2018. To partially mitigate the impact of changes in currency exchange rates on net cash flows from our foreign currency denominated sales, we may enter into foreign currency exchange forward and option contracts. We also hedge certain monetary assets and liabilities denominated in foreign currencies, which reduces but does not eliminate our exposure to currency fluctuations between the date a transaction is recorded and the date that cash is collected or paid. In general, the market risks of these contracts are offset by corresponding gains and losses on the transactions being hedged.

As of December 31, 2018 and 2017, we had open foreign currency forward contracts with notional amounts of \$2.2 billion and \$2.8 billion, respectively. A hypothetical 10% adverse movement in foreign currency exchange rates compared with the U.S. dollar relative to exchange rates at December 31, 2018 would have resulted in a reduction in fair value of these contracts of approximately \$218 million on this date and, if realized, would negatively affect earnings over the remaining life of the contracts. The same hypothetical movement in foreign currency exchange rates compared with the U.S. dollar relative to exchange rates at December 31, 2017, would have resulted in a reduction in fair value of these contracts of approximately \$285 million on this date and, if realized, would negatively affect earnings over the remaining life of the contracts. The analysis does not consider the impact that hypothetical changes in foreign currency exchange rates would have on anticipated transactions that these foreign currency sensitive instruments were designed to offset.

#### Interest Rate Risk

Our portfolio of available-for-sale marketable debt securities and our fixed and variable rate liabilities create an exposure to interest rate risk. With respect to our investment portfolio, we adhere to an investment policy that requires us to limit amounts invested in securities based on credit rating, maturity, industry group and investment type and issuer, except for securities issued by the U.S. government. The goals of our investment policy, in order of priority, are as follows:

- safety and preservation of principal and diversification of risk;
- liquidity of investments sufficient to meet cash flow requirements; and
- competitive after-tax rate of return.

The following table summarizes the expected maturities and average interest rates of our interest-generating assets and interest-bearing liabilities at December 31, 2018 (in millions, except percentages):

			Ex	pected Maturity					Total Fair
	2019	2020		2021	2022	2023	Thereafter	Total	Value
Assets									
Available-for-sale debt securities	\$ 22,741	\$ 1,001	\$	311	\$ 16	\$ 30	\$ 65	\$ 24,164	\$ 24,164
Average interest rate	2.61%	3.10%		2.97%	2.89%	2.54%	3.47%		
Liabilities									
Long-term debt, including current portion(1):									
Fixed rate	\$ 1,500	\$ 2,500	\$	2,250	\$ 1,500	\$ 750	\$ 17,750	\$ 26,250	\$ 25,886
Average interest rate	1.92%	2.51%		4.44%	2.82%	2.50%	4.16%		
Variable rate	\$ 1,250	\$ _	\$	_	\$ _	\$ _	\$ _	\$ 1,250	\$ 1,250
Average interest rate ⁽²⁾	3.02%	%		%	%	%	%		

#### Notes:

#### Credit Risk

We are subject to credit risk from our portfolio of cash equivalents and marketable debt securities. Under our investment policy, we limit amounts invested in such securities by credit rating, maturity, industry group, investment type and issuer, except for securities issued by the U.S. government. We are not exposed to any significant concentrations of credit risk from these financial

⁽¹⁾ Amounts represent principal balances. In addition to these fixed and variable rate long-term debt, we have a \$2.5 billion five-year revolving credit facility. There were no amounts outstanding under the five-year revolving credit facility as of December 31, 2018. See Note 12, Debt and Credit Facilities of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional information.

⁽²⁾ Average interest rates for our variable rate debt were based on the interest rates on the last reset date in 2018 for each debt instrument and are dependent upon several factors subject to change, including but not limited to LIBOR, the principal amount of debt outstanding and credit ratings on each reset date.

instruments. The goals of our investment policy, in order of priority, are as follows: safety and preservation of principal and diversification of risk; liquidity of investments sufficient to meet cash flow requirements; and a competitive after-tax rate of return.

We are also subject to credit risk from our accounts receivable related to our product sales. The majority of our trade accounts receivable arises from product sales in the United States and Europe.

As of December 31, 2018, our accounts receivable, net, in Southern Europe, specifically Greece, Italy, Portugal and Spain, totaled approximately \$161 million, of which \$31 million were greater than 120 days past due, including \$27 million greater than 365 days past due. As of December 31, 2017, our accounts receivable, net, in Southern Europe, specifically Greece, Italy, Portugal and Spain, totaled approximately \$326 million, of which \$131 million were greater than 120 days past due, including \$52 million greater than 365 days past due. To date, we have not experienced significant losses with respect to the collection of our accounts receivable.

## Market Price Risk

We hold shares of common stock of certain publicly traded biotechnology companies in connection with license and collaboration agreements. These equity securities are measured at fair value with any changes in fair value recognized in earnings starting on January 1, 2018 as a result of our adoption of Accounting Standards Update No. 2016-01 "Financial Instruments-Overall: Recognition and Measurement of Financial Assets and Financial Liabilities". See Note 1, Organization and Summary of Significant Accounting Policies, of the Notes to Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K for further information.

The fair value of these equity securities was approximately \$881 million and \$635 million as of December 31, 2018 and 2017, respectively. Changes in fair value of these equity securities are primarily due to the volatility of the stock market and changes in general economic conditions, among other factors. A hypothetical 20% increase or decrease in the stock prices of these equity securities would increase or decrease their fair value at December 31, 2018 and 2017 by approximately \$176 million and \$127 million, respectively.

## ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

## GILEAD SCIENCES, INC.

## INDEX TO CONSOLIDATED FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA Years ended December 31, 2018, 2017 and 2016

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#### REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Shareholders and the Board of Directors of Gilead Sciences, Inc.

## **Opinion on the Financial Statements**

We have audited the accompanying consolidated balance sheets of Gilead Sciences, Inc. (the Company) as of December 31, 2018 and 2017, the related consolidated statements of income, comprehensive income, stockholders' equity and cash flows for each of the three years in the period ended December 31, 2018, and the related notes and financial statement schedule listed in the index at Item 15(a) (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company at December 31, 2018 and 2017, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2018, in conformity with U.S. generally accepted accounting principles.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company's internal control over financial reporting as of December 31, 2018, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) and our report dated February 25, 2019 expressed an unqualified opinion thereon.

## **Basis for Opinion**

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

/s/ Ernst & Young LLP

We have served as the Company's auditor since 1988.

San Jose, California February 25, 2019

# Consolidated Balance Sheets (in millions, except per share amounts)

ssets  urrent assets:  Cash and cash equivalents Short-term marketable securities Accounts receivable, net of allowances of \$583 and \$455, respectively Inventories Prepaid and other current assets orderty, plant and equipment, net ong-term marketable securities strangible assets, net oodwill ther long-term assets otal assets statistics and Stockholders' Equity urrent liabilities: Accounts payable Accrued government and other rebates Other accrued liabilities Current portion of long-term debt and other obligations, net ong-term debt, net	17,940 12,149 3,327 814 1,606 35,836 4,006 1,423 15,738 4,117 2,555 63,675	\$ 7,588 17,922 3,851 801 1,661 31,823 3,295 11,184 17,100 4,159 2,722 70,283
urrent assets:  Cash and cash equivalents Short-term marketable securities Accounts receivable, net of allowances of \$583 and \$455, respectively Inventories Prepaid and other current assets orderly, plant and equipment, net ong-term marketable securities trangible assets, net oodwill ther long-term assets otal assets stabilities and Stockholders' Equity urrent liabilities:  Accounts payable Accrued government and other rebates Other accrued liabilities Current portion of long-term debt and other obligations, net otal current liabilities ong-term debt, net	12,149 3,327 814 1,606 35,836 4,006 1,423 15,738 4,117 2,555	17,922 3,851 801 1,661 31,823 3,295 11,184 17,100 4,159 2,722
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Accounts payable \$ Accrued government and other rebates Other accrued liabilities Current portion of long-term debt and other obligations, net otal current liabilities ong-term debt, net		
Accrued government and other rebates  Other accrued liabilities  Current portion of long-term debt and other obligations, net  otal current liabilities  ong-term debt, net		
Other accrued liabilities  Current portion of long-term debt and other obligations, net  otal current liabilities  ong-term debt, net	790	\$ 814
Current portion of long-term debt and other obligations, net  otal current liabilities  ong-term debt, net	3,928	4,704
otal current liabilities ong-term debt, net	3,139	3,370
ong-term debt, net	2,748	2,747
	10,605	11,635
ong-term income taxes payable	24,574	30,795
	5,922	6,794
ther long-term obligations	1,040	558
ommitments and contingencies (Note 13)		
tockholders' equity:		
Preferred stock, par value \$0.001 per share; 5 shares authorized; none outstanding	_	_
Common stock, par value \$0.001 per share; 5,600 authorized; 1,282 and 1,308 shares issued and outstanding, respectively	1	1
Additional paid-in capital	2,282	1,264
Accumulated other comprehensive income	80	165
Retained earnings	19,024	19,012
Total Gilead stockholders' equity	21,387	20,442
Noncontrolling interest	147	59
otal stockholders' equity	21,534	20,501
otal liabilities and stockholders' equity \$		\$ 70,283

## Consolidated Statements of Income (in millions, except per share amounts)

	<u></u>		Year E	nded December 31	l <b>,</b>	
		2018		2017		2016
Revenues:						
Product sales	\$	21,677	\$	25,662	\$	29,953
Royalty, contract and other revenues		450		445		437
Total revenues		22,127		26,107		30,390
Costs and expenses:						
Cost of goods sold		4,853		4,371		4,261
Research and development expenses		5,018		3,734		5,098
Selling, general and administrative expenses		4,056		3,878		3,398
Total costs and expenses		13,927		11,983		12,757
Income from operations		8,200		14,124		17,633
Interest expense		(1,077)		(1,118)		(964)
Other income (expense), net		676		523		428
Income before provision for income taxes		7,799		13,529		17,097
Provision for income taxes		2,339		8,885		3,609
Net income		5,460		4,644		13,488
Net income (loss) attributable to noncontrolling interest		5		16		(13)
Net income attributable to Gilead	\$	5,455	\$	4,628	\$	13,501
Net income per share attributable to Gilead common stockholders - basic	\$	4.20	\$	3.54	\$	10.08
Shares used in per share calculation - basic		1,298		1,307		1,339
Net income per share attributable to Gilead common stockholders - diluted	\$	4.17	\$	3.51	\$	9.94
Shares used in per share calculation - diluted		1,308		1,319		1,358

## Consolidated Statements of Comprehensive Income (in millions)

	Year Ended December 31,					
		2018		2017		2016
Net income	\$	5,460	\$	4,644	\$	13,488
Other comprehensive income (loss):						
Net foreign currency translation gain (loss), net of tax		(38)		(47)		177
Available-for-sale securities:						
Net unrealized gain, net of tax impact of \$0, \$6 and \$19, respectively		43		218		7
Reclassifications to net income (loss), net of tax impact of \$0, (\$9) and \$0, respectively		4		(8)		(7)
Net change		47		210		_
Cash flow hedges:						
Net unrealized gain (loss), net of tax impact of \$2, (\$11) and \$0, respectively		112		(304)		5
Reclassification to net income, net of tax impact of \$0, \$0 and \$(8), respectively		87		28		8
Net change		199		(276)		13
Other comprehensive income (loss)		208		(113)		190
Comprehensive income		5,668		4,531		13,678
Comprehensive income (loss) attributable to noncontrolling interest		5		16		(13)
Comprehensive income attributable to Gilead	\$	5,663	\$	4,515	\$	13,691

See accompanying notes.

## Consolidated Statements of Stockholders' Equity (in millions, except per share amounts)

	l-holder	

<u> </u>		Gi	ilead Stockholders' E	quity			
-	Commo	n Stock Amount	Additional Paid-In Capital	Accumulated Other Comprehensive Income (Loss)	Retained Earnings	Noncontrolling Interest	Total Stockholders' Equity
Balance at December 31, 2015	1,422	Amount 1	444	88	18,001	579	19,113
Change in noncontrolling interest						(0.0)	
5	<del>-</del>	_	<del>-</del>	<del>_</del>	12.501	(90)	(90)
Net income (loss) Other comprehensive income, net of	_	_	<del>-</del>	_	13,501	(13)	13,488
tax	_	_	_	190	_	_	190
Issuances under employee stock purchase plan	1	_	84	_	_	_	84
Issuances under equity incentive plans	13	_	128	_	_	_	128
Tax benefits from employee stock plans	_	_	186	_	_	_	186
Stock-based compensation	_	_	381	_	_	_	381
Repurchases of common stock	(126)	_	(302)	_	(10,883)	_	(11,185)
Warrants settlement	_	_	(469)	_	_	_	(469)
Convertible notes settlement	_	_	(95)	_	_	_	(95)
Convertible note hedges settlement	_	_	95	_	_	_	95
Dividends declared (\$1.84 per share)	_	_	_	_	(2,465)	_	(2,465)
Reclassification of conversion spread of convertible notes	_	_	(733)	_	_	_	(733)
Reclassification of convertible note hedges	_	_	733	_	_	_	733
Reclassification to equity component of currently redeemable convertible notes	_	_	2		_		2
Balance at December 31, 2016	1,310	1	454	278	18,154	476	19,363
Change in noncontrolling interest	_	_	(3)	_	_	(433)	(436)
Net income	_	_	_	_	4,628	16	4,644
Other comprehensive loss, net of tax	_	_	_	(113)	_	_	(113)
Issuances under employee stock purchase plan	1	_	83	_	_	_	83
Issuances under equity incentive							
plans	11	_	146		_	_	146
Stock-based compensation	_	_	618	_	_	_	618
Repurchases of common stock	(14)	_	(34)	_	(1,028)	_	(1,062
Dividends declared (\$2.08 per share)	_	_	_	_	(2,742)	_	(2,742)
Balance at December 31, 2017	1,308	1	1,264	165	19,012	59	20,501
Change in noncontrolling interest	_	_	_	_	_	83	83
Net income	_	_	_	_	5,455	5	5,460
Other comprehensive income, net of tax				208			208
	<del>-</del>	_	<del>-</del>	208	_	_	208
Issuances under employee stock purchase plan	2	_	91	_	_	_	91
Issuances under equity incentive plans	14	_	197	_	_	_	197
Stock-based compensation	_	_	842	_	_	_	842
Repurchases of common stock	Repurchases of common stock (42)		(112)	_	(2,940)	_	(3,052)
					, , ,		

Dividends declared (\$2.28 per share)	_	_	_	_	(2,986)	_	(2,986)
Cumulative effect from the adoption of new accounting standards	_	_	_	(293)	483	_	190
Balance at December 31, 2018	1,282	\$ 1	\$ 2,282	\$ 80	\$ 19,024	\$ 147	\$ 21,534

See accompanying notes.

## Consolidated Statements of Cash Flows (in millions)

	<del></del>	1 car	Ended December 31	,			
	2018		2017		2016		
Operating Activities:							
let income	\$ 5,46	0 \$	4,644	\$	13,488		
Adjustments to reconcile net income to net cash provided by operating activities:							
Depreciation expense	22	6	233		177		
Amortization expense	1,20	3	1,053		981		
Stock-based compensation expense	84	5	638		380		
Deferred income taxes	28	9	(82)		(119		
In-process research and development impairment	82	0	_		432		
Inventory reserves for excess raw materials	44	0	_		_		
Other	5	6	304		162		
Changes in operating assets and liabilities:							
Accounts receivable, net	48	0	754		1,192		
Inventories	(31	0)	(253)		(488		
Prepaid expenses and other	90	3	358		(520		
Accounts payable	(3	9)	(430)		47		
Income taxes payable	(1,45	9)	5,497		1,010		
Accrued liabilities	(51	4)	(818)		303		
et cash provided by operating activities	8,40	0	11,898		17,04		
nvesting Activities:							
Purchases of marketable securities	(10,23	3)	(23,314)		(25,619		
Proceeds from sales of marketable securities	1,52	2	10,440		13,039		
Proceeds from maturities of marketable securities	24,33	6	7,821		1,700		
Other investments	(34	6)	_		(35)		
Acquisitions, net of cash acquired	_	_	(10,426)		_		
Capital expenditures	(92	4)	(590)		(74)		
let cash provided by (used in) investing activities	14,35		(16,069)		(11,985		
inancing Activities:							
Proceeds from debt financing, net of issuance costs	-	_	8,985		5,293		
Proceeds from convertible note hedges	-	_	_		956		
Proceeds from issuances of common stock	28	9	234		208		
Repurchases of common stock	(2,90	0)	(954)		(11,001		
Repayments of debt and other obligations	(6,25		(1,811)		(1,981		
Payments to settle warrants	-	_	_		(469		
Payment of dividends	(2,97	1)	(2,731)		(2,45		
Other	(48		(330)		(276		
let cash provided by (used in) financing activities	(12,31		3,393		(9,725		
iffect of exchange rate changes on cash and cash equivalents		5)	137		41		
let change in cash and cash equivalents	10,35		(641)		(4,622		
Cash and cash equivalents at beginning of period	7,58		8,229		12,851		
ash and cash equivalents at end of period	\$ 17,94		7,588	\$	8,229		
upplemental disclosure of cash flow information:							
Interest paid, net of amounts capitalized	\$ 1,07	0 \$	1,038	\$	904		
interest pard, net of amounts capitanzed	\$ 1,07	0 \$	1,038	Ф	885		

See accompanying notes.

#### NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

#### 1. ORGANIZATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

#### Overview

Gilead Sciences, Inc. (Gilead, we, our or us), incorporated in Delaware on June 22, 1987, is a research-based biopharmaceutical company that discovers, develops and commercializes innovative medicines in areas of unmet medical need. With each new discovery and investigational drug candidate, we strive to transform and simplify care for people with life-threatening illnesses around the world. We have operations in more than 35 countries worldwide, with headquarters in Foster City, California. Gilead's primary areas of focus include HIV/AIDS, liver diseases, hematology/oncology and inflammation/respiratory diseases. We seek to add to our existing portfolio of products through our internal discovery and clinical development programs, product acquisition, inlicensing and strategic collaborations.

Our portfolio of marketed products includes AmBisome®, Atripla®, Biktarvy®, Cayston®, Complera®/Eviplera®, Descovy®, Emtriva®, Epclusa®, Genvoya®, Harvoni®, Hepsera®, Letairis®, Odefsey®, Ranexa®, Sovaldi®, Stribild®, Truvada®, Tybost®, Vemlidy®, Viread®, Vosevi®, Yescarta® and Zydelig®. We also sell and distribute certain products through our corporate partners under collaborative agreements.

## **Basis of Presentation**

The accompanying Consolidated Financial Statements include the accounts of Gilead, our wholly-owned subsidiaries and certain variable interest entities for which we are the primary beneficiary. All intercompany transactions have been eliminated. For consolidated entities where we own or are exposed to less than 100% of the economics, we record net income (loss) attributable to noncontrolling interests on our Consolidated Statements of Income equal to the percentage of the economic or ownership interest retained in such entities by the respective noncontrolling parties.

We assess whether we are the primary beneficiary of a variable interest entity (VIE) at the inception of the arrangement and at each reporting date. This assessment is based on our power to direct the activities of the VIE that most significantly impact the VIE's economic performance and our obligation to absorb losses or the right to receive benefits from the VIE that could potentially be significant to the VIE. As of December 31, 2018, we did not have any material VIEs.

## Significant Accounting Policies, Estimates and Judgments

The preparation of these Consolidated Financial Statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses, and related disclosures. On an ongoing basis, we evaluate our significant accounting policies and estimates. We base our estimates on historical experience and on various market specific and other relevant assumptions that we believe to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ significantly from these estimates.

## **Revenue Recognition**

On January 1, 2018, we adopted Accounting Standards Update No. 2014-09 "Revenue from Contracts with Customers" (Topic 606) using the modified retrospective method. Topic 606 supersedes the revenue recognition requirements in Topic 605 "Revenue Recognition" (Topic 605). As a result, we have changed our accounting policies for revenue recognition as detailed below.

Policy Elections and Practical Expedients Taken

- We account for shipping and handling activities that are performed after a customer has obtained control of a good as fulfillment costs rather than as separate performance obligations; and
- If we expect, at contract inception, that the period between the transfer of control and corresponding payment from the customer will be one year or less, we do not adjust the amount of consideration for the effects of a significant financing component.

## Product Sales

We recognize revenue from product sales when control of the product transfers, generally upon shipment or delivery, to the customer, or in certain cases, upon the corresponding sales by our customer to a third party. Upon recognition of revenue from product sales, provisions are made for various forms of variable consideration, which include government and other rebates such as Medicaid reimbursements, customer incentives such as cash discounts for prompt payment, distributor fees and expected returns of expired products, as appropriate. Our payment terms to customers generally range from 30 to 90 days.

#### Variable Consideration

## Rebates and Chargebacks

We estimate reductions to our revenues for amounts paid to payers and healthcare providers in the United States, including Medicaid rebates, AIDS Drug Assistance Program rebates and chargebacks, Veterans Administration and Public Health Service chargebacks and other rebates, as well as foreign government rebates. Rebates and chargebacks are based on contractual arrangements or statutory requirements which may vary by product, payer and individual payer plans. Our estimates are based on products sold, historical payer mix, and as available, pertinent third-party industry information, estimated patient population, known market events or trends, and for our U.S. product sales, channel inventory data obtained from our major U.S. wholesalers in accordance with our inventory management agreements. We also take into consideration, as available, new information regarding changes in programs' regulations and guidelines that would impact the amount of the actual rebates and/or our expectations regarding future payer mix for these programs. Government and other chargebacks that are payable to our direct customers are classified as reductions of Accounts receivable on our Consolidated Balance Sheets. Government and other rebates that are invoiced directly to us are recorded in Accrued government and other rebates on our Consolidated Balance Sheets.

#### Cash Discounts

We estimate cash discounts based on contractual terms, historical customer payment patterns and our expectations regarding future customer payment patterns.

#### Distributor Fees

Under our inventory management agreements with our significant U.S. wholesalers, we pay the wholesalers a fee primarily for compliance with certain contractually determined covenants such as the maintenance of agreed upon inventory levels. These distributor fees are based on a contractually determined fixed percentage of sales.

#### Product Returns

We do not provide our customers with a general right of product return, but typically permit returns if the product is damaged, defective, or otherwise cannot be used when received by the customer, or in the case of product sold in the United States and certain other countries, if the product has expired. We will accept returns for product that will expire within six months or that have expired up to one year after their expiration dates. Our estimates for expected returns of expired products are based primarily on an ongoing analysis of our historical return patterns, historical industry information reporting the return rates for similar products and contractual agreements intended to limit the amount of inventory maintained by our wholesalers.

## Royalty, Contract and Other Revenues

Royalty revenue is recognized in the period in which the obligation is satisfied and the corresponding sales by our corporate partners occur.

#### Research and Development Expenses

Research and development (R&D) expenses consist primarily of personnel costs, including salaries, benefits and stock-based compensation, clinical studies performed by contract research organizations (CROs), materials and supplies, licenses and fees, up-front and milestone payments under collaboration arrangements and overhead allocations consisting of various support and facility-related costs.

We charge R&D costs, including clinical study costs, to expense when incurred. Clinical study costs are a significant component of R&D expenses. Most of our clinical studies are performed by third-party CROs. We monitor levels of performance under each significant contract including the extent of patient enrollment and other activities through communications with our CROs. We accrue costs for clinical studies performed by CROs over the service periods specified in the contracts and adjust our estimates, if required, based upon our ongoing review of the level of effort and costs actually incurred by the CROs. All of our material CRO contracts are terminable by us upon written notice and we are generally only liable for actual services completed by the CRO and certain non-cancelable expenses incurred at any point of termination.

## Selling, General and Administrative Expenses

Selling, general and administrative (SG&A) expenses relate to sales and marketing, finance, human resources, legal and other administrative activities. SG&A expenses consist primarily of personnel costs, facilities and overhead costs, outside marketing, advertising and legal expenses, and other general and administrative costs. SG&A expenses also include the branded prescription drug fee.

We expense the costs of advertising, including promotional expenses, as incurred. Advertising expenses were \$587 million, \$600 million and \$618 million for the years ended December 31, 2018, 2017 and 2016, respectively.

## Cash and Cash Equivalents

We consider highly liquid investments with insignificant interest rate risk and an original maturity of three months or less on the purchase date to be cash equivalents.

## Marketable and Nonmarketable Securities

#### Marketable Debt Securities

We determine the appropriate classification of our marketable debt securities at the time of purchase and reevaluate such designation at each balance sheet date. All of our marketable debt securities are considered available-for-sale and carried at estimated fair values and reported in cash equivalents, short-term marketable securities or long-term marketable securities. Unrealized gains and losses on available-for-sale debt securities are excluded from net income and reported in accumulated other comprehensive income (loss) (AOCI) as a separate component of stockholders' equity. Other income (expense), net, includes interest, dividends, amortization of purchase premiums and discounts, realized gains and losses on sales of securities and other-than-temporary declines in the fair value of securities, if any. The cost of securities sold is based on the specific identification method. We regularly review all of our investments for other-than-temporary declines in fair value. Our review includes the consideration of the cause of the impairment, including the creditworthiness of the security issuers, the number of securities in an unrealized loss position, the severity and duration of the unrealized losses, whether we have the intent to sell the securities and whether it is more likely than not that we will be required to sell the securities before the recovery of their amortized cost basis. When we determine that the decline in fair value of an investment is below our accounting basis and the decline is other-than-temporary, we reduce the carrying value of the security we hold and record a loss for the amount of such decline.

#### Marketable and Non-Marketable Equity Securities

Investments in equity securities, other than equity method investments, are recorded at fair market value, if fair value is readily determinable. Equity securities with no readily determinable fair values are recorded using the measurement alternative of cost less impairment, if any, adjusted for observable price changes in orderly transactions for identical or similar investments of the same issuer. Certain investments in equity securities of non-public companies are accounted for using the equity method based on our ownership percentage and other factors that indicate we have significant influence over the investee. Our investments in equity securities are recorded in Prepaid and other current assets or Other long term assets on our Consolidated Balance Sheet. Unrealized gains and losses are recorded as part of Other income (expense), net. We regularly review our securities for indicators of impairment. Investments in non-public companies are not material for the periods presented.

## Concentrations of Risk

We are subject to credit risk from our portfolio of cash equivalents and marketable securities. Under our investment policy, we limit amounts invested in such securities by credit rating, maturity, industry group, investment type and issuer, except for securities issued by the U.S. government. We are not exposed to any significant concentrations of credit risk from these financial instruments. The goals of our investment policy, in order of priority, are as follows: safety and preservation of principal and diversification of risk; liquidity of investments sufficient to meet cash flow requirements; and a competitive after-tax rate of return.

We are also subject to credit risk from our accounts receivable related to our product sales. The majority of our trade accounts receivable arises from product sales in the United States, Europe and Japan. To date, we have not experienced significant losses with respect to the collection of our accounts receivable. We believe that our allowance for doubtful accounts was adequate at December 31, 2018.

Certain of the raw materials and components that we utilize in our operations are obtained through single suppliers. Certain of the raw materials that we utilize in our operations are made at only one facility. Since the suppliers of key components and raw materials must be named in a new drug application filed with U.S. Food and Drug Administration (FDA) for a product, significant delays can occur if the qualification of a new supplier is required. If delivery of material from our suppliers was interrupted for any reason, we may be unable to ship our commercial products or to supply our product candidates for clinical trials.

#### **Accounts Receivable**

Trade accounts receivable are recorded net of allowances for wholesaler chargebacks related to government and other programs, cash discounts for prompt payment and doubtful accounts. Estimates for wholesaler chargebacks for government and other programs and cash discounts are based on contractual terms, historical trends and our expectations regarding the utilization rates for these programs. Estimates of our allowance for doubtful accounts are determined based on existing contractual payment terms, historical payment patterns of our customers and individual customer circumstances, an analysis of days sales outstanding by geographic region and a review of the local economic environment and its potential impact on government funding and

reimbursement practices. Historically, the amounts of uncollectible accounts receivable that have been written off have been insignificant.

#### Inventories

Inventories are recorded at the lower of cost or net realizable value, with cost determined on a first-in, first-out basis. We periodically review our inventories to identify obsolete, slow-moving, excess or otherwise unsaleable items. If obsolete, excess or unsaleable items are observed and there are no alternate uses for the inventory, we record an inventory valuation reserve through a charge to Cost of goods sold on our Consolidated Statements of Income. The establishment of inventory valuation reserves, together with the calculation of the amount of such reserves, requires judgment including consideration of many factors, such as estimates of future product demand, product net selling prices, current and future market conditions and potential product obsolescence, among others.

When future commercialization is considered probable and the future economic benefit is expected to be realized, based on management's judgment, we capitalize pre-launch inventory costs prior to regulatory approval. A number of factors are taken into consideration, including the current status in the regulatory approval process, potential impediments to the approval process such as safety or efficacy, anticipated R&D initiatives that could impact the indication in which the compound will be used, viability of commercialization and marketplace trends. As of December 31, 2018 and 2017, the amount of pre-launch inventory on our Consolidated Balance Sheets was not significant.

## Property, Plant and Equipment

Property, plant and equipment is stated at cost less accumulated depreciation and amortization. Depreciation and amortization are recognized using the straight-line method. Repairs and maintenance costs are expensed as incurred. Estimated useful lives in years are generally as follows:

<u>Description</u>	Estimated Useful Life
Buildings and improvements	Shorter of 35 years or useful life
Laboratory and manufacturing equipment	4-10
Office and computer equipment	3-7
Leasehold improvements	Shorter of useful life or lease term

#### Acquisitions

We account for business combinations using the acquisition method of accounting, which requires that assets acquired, including in-process research and development (IPR&D) projects, and liabilities assumed be recorded at their fair values as of the acquisition date on our Consolidated Balance Sheets. Any excess of purchase price over the fair value of net assets acquired is recorded as goodwill. The determination of estimated fair value requires us to make significant estimates and assumptions. As a result, we may record adjustments to the fair values of assets acquired and liabilities assumed within the measurement period (up to one year from the acquisition date) with the corresponding offset to goodwill. Transaction costs associated with business combinations are expensed as they are incurred. When we determine net assets acquired do not meet the definition of a business combination under the acquisition method of accounting, the transaction is accounted for as an acquisition of assets rather than a business combination and, therefore, no goodwill is recorded.

## **Goodwill and Intangible Assets**

Goodwill represents the excess of the consideration transferred over the estimated fair value of assets acquired and liabilities assumed in a business combination. Intangible assets with indefinite useful lives are related to purchased IPR&D projects and are measured at their respective fair values as of the acquisition date. We do not amortize goodwill and intangible assets with indefinite useful lives. Intangible assets related to IPR&D projects are considered to be indefinite-lived until the completion or abandonment of the associated R&D efforts. If and when development is complete, which generally occurs if and when regulatory approval to market a product is obtained, the associated assets are deemed finite-lived and are amortized based on their respective estimated useful lives at that point in time. We test goodwill and other indefinite-lived intangible assets for impairment on an annual basis and in between annual tests if we become aware of any events or circumstances that would indicate the fair values of the assets are below their carrying amounts.

Intangible assets with finite useful lives are amortized over their estimated useful lives, primarily on a straight-line basis, and are reviewed for impairment when facts or circumstances suggest that the carrying value of these assets may not be recoverable.

## Impairment of Long-Lived Assets

Long-lived assets, including property, plant and equipment and finite-lived intangible assets, are reviewed for impairment whenever facts or circumstances either internally or externally may suggest that the carrying value of an asset may not be recoverable. Should there be an indication of impairment, we test for recoverability by comparing the estimated undiscounted future cash flows expected to result from the use of the asset to the carrying amount of the asset or asset group. Any excess of the carrying value of the asset or asset group over its estimated fair value is recognized as an impairment loss.

#### Foreign Currency Translation, Transaction Gains and Losses, and Hedging Contracts

Non-U.S. entity operations are recorded in the functional currency of each entity. Results of operations for non-U.S. dollar functional currency entities are translated into U.S. dollars using average currency rates. Assets and liabilities are translated using currency rates at period end. Foreign currency translation adjustments are recorded as a component of AOCI within stockholders' equity. Foreign currency transaction gains and losses are recorded in Other income (expense), net, on our Consolidated Statements of Income. Net foreign currency transaction gains and losses were immaterial for the years ended December 31, 2018, 2017 and 2016.

We hedge a portion of our foreign currency exposures related to outstanding monetary assets and liabilities as well as forecasted product sales using foreign currency exchange forward contracts. In general, the market risk related to these contracts is offset by corresponding gains and losses on the hedged transactions. The credit risk associated with these contracts is driven by changes in interest and currency exchange rates and, as a result, varies over time. By working only with major banks and closely monitoring current market conditions, we seek to limit the risk that counterparties to these contracts may be unable to perform. We also seek to limit our risk of loss by entering into contracts that permit net settlement at maturity. Therefore, our overall risk of loss in the event of a counterparty default is limited to the amount of any unrealized gains on outstanding contracts (i.e., those contracts that have a positive fair value) at the date of default. We do not enter into derivative contracts for trading purposes.

#### Fair Value of Financial Instruments

We apply fair value accounting for all financial assets and liabilities and non-financial assets and liabilities that are recognized or disclosed at fair value in the financial statements on a recurring basis. We define fair value as the price that would be received from selling an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. When determining the fair value measurements for assets and liabilities which are required to be recorded at fair value, we consider the principal or most advantageous market in which we would transact and the market-based risk measurements or assumptions that market participants would use in pricing the asset or liability, such as risks inherent in valuation techniques, transfer restrictions and credit risks.

#### **Derivative Financial Instruments**

We recognize all derivative instruments as either assets or liabilities at fair value on our Consolidated Balance Sheets. Changes in the fair value of derivatives are recorded each period in current earnings or AOCI, depending on whether a derivative is designated as part of a hedge transaction and, if it is, the type of hedge transaction.

We assess, both at inception and on an ongoing basis, whether the derivatives that are used in hedging transactions are effective in offsetting the changes in cash flows or fair values of the hedged items. If we determine that a forecasted transaction is probable of not occurring, we discontinue hedge accounting for the affected portion of the hedge instrument, and any related unrealized gain or loss on the contract is recognized in Other income (expense), net, on our Consolidated Statements of Income.

## **Income Taxes**

Our income tax provision is computed under the liability method. Deferred tax assets and liabilities are determined based on the difference between the financial statement and tax basis of assets and liabilities using enacted tax rates in effect for the year in which the differences are expected to reverse. Significant estimates are required in determining our provision for income taxes. Some of these estimates are based on interpretations of applicable tax laws or regulations.

We record liabilities related to unrecognized tax benefits in accordance with the guidance that clarifies the accounting for uncertainty in income taxes recognized in an enterprise's financial statements by prescribing a minimum recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. An adverse resolution of one or more of these uncertain tax positions in any period could have a material impact on the results of operations for that period.

We have elected to account for the tax on Global Intangible Low-Taxed Income, enacted as part of the Tax Cuts and Jobs Act (Tax Reform), as a component of tax expense in the period in which the tax is incurred.

## Recently Adopted Accounting Pronouncements

In May 2014, the Financial Accounting Standards Board (FASB) issued Topic 606. Entities adopting Topic 606 had the option of using either a full retrospective or a modified retrospective approach.

On January 1, 2018, we adopted Topic 606 using the modified retrospective method applied to those contracts which were not completed as of January 1, 2018. As such, results for reporting periods beginning after January 1, 2018 are presented under Topic 606, while prior period amounts are not adjusted and continue to be reported in accordance with our historical accounting under Topic 605.

As discussed further above, our product sales are recognized when control of the product transfers, generally upon shipment or delivery to the customer, or in certain cases, upon the corresponding sale by our customer to a third party. Certain product sales that were deferred under the sell-through or cash basis methods of accounting because fees were not fixed or determinable prior to the adoption of Topic 606 are now recognized upon transfer of control. Royalty revenue is recognized in the period in which the corresponding sales by our corporate partners occur. Prior to the adoption of Topic 606, royalty revenue was generally recognized in the quarter following the quarter in which the corresponding sales by our corporate partners occurred.

The cumulative effect of the changes made to our Consolidated Balance Sheets as of January 1, 2018 for the adoption of Topic 606 was as follows (in millions):

			Adj	ustments Due to Topic	
	Decei	mber 31, 2017		606	January 1, 2018
Prepaid and other current assets	\$	1,661	\$	96	\$ 1,757
Other long-term assets	\$	2,722	\$	10	\$ 2,732
Other accrued liabilities	\$	3,370	\$	(115)	\$ 3,255
Other long-term obligations	\$	558	\$	31	\$ 589
Retained earnings	\$	19,012	\$	190	\$ 19,202

In 2018, the impact to our Consolidated Financial Statements as a result of applying Topic 606 in place of Topic 605 was not material.

In January 2016, the FASB issued Accounting Standards Update No. 2016-01 "Financial Instruments - Overall: Recognition and Measurement of Financial Assets and Financial Liabilities" (ASU 2016-01). ASU 2016-01 changes accounting for equity investments, financial liabilities under the fair value option and the presentation and disclosure requirements for financial instruments. Additionally, ASU 2016-01 clarifies guidance related to the valuation allowance assessment when recognizing deferred tax assets resulting from unrealized losses on available-for-sale debt securities. On January 1, 2018, we adopted this standard using a modified retrospective approach. The standard requires that equity investments with readily determinable fair values be measured at fair value with any changes in fair value recognized in earnings. As a result of the adoption, we reclassified \$293 million of unrealized net gain from AOCI to retained earnings on January 1, 2018, which primarily consisted of \$278 million unrealized gain from our equity investment in Galapagos NV.

In August 2017, the FASB issued Accounting Standards Update No. 2017-12 "Derivatives and Hedging: Targeted Improvements to Accounting for Hedging Activities" (ASU 2017-12). The amendments in ASU 2017-12 more closely align the results of hedge accounting with risk management activities. ASU 2017-12 also amends the presentation and disclosure requirements and eases documentation and effectiveness assessment requirements. On January 1, 2018, we early adopted this standard on a prospective basis. Upon adoption of ASU 2017-12, we no longer recognize hedge ineffectiveness in our Consolidated Statements of Income, but we instead recognize the entire change in the fair value of the hedge contract in AOCI. The adoption did not have a material impact on our Consolidated Financial Statements. The primary impact of adoption was required disclosure changes. See Note 5, Derivative Financial Instruments, for additional information.

In March 2018, the FASB issued Accounting Standards Update No. 2018-05 "Income Taxes (Topic 740): Amendments to SEC Paragraphs Pursuant to SEC Staff Accounting Bulletin No. 118" (ASU 2018-05). ASU 2018-05 amends Topic 740 by incorporating the SEC Staff Accounting Bulletin No. 118 (SAB 118) issued on December 22, 2017. SAB 118 provides guidance on accounting for the effects of Tax Reform and allows a company to record provisional amounts during a measurement period not to extend beyond one year from the enactment date. See Note 18, Income Taxes, for additional information.

## Recently Issued Accounting Pronouncements Not Yet Adopted

In February 2016, the FASB issued Accounting Standards Update No. 2016-02 "Leases" (Topic 842). Topic 842 amends a number of aspects of lease accounting, including requiring lessees to recognize leases with a term greater than one year as a right-of-use asset and corresponding liability, measured at the present value of the lease payments. In July 2018, the FASB issued supplemental adoption guidance and clarification to Topic 842 within ASU 2018-10 "Codification Improvements to Topic 842, Leases" and ASU 2018-11 "Leases (Topic 842): Targeted Improvements." The guidance will become effective for us beginning

in the first quarter of 2019. The modified retrospective transition approach is required. We plan to adopt these standards on the effective date by recording a cumulative effect adjustment to the opening balance of retained earnings on January 1, 2019.

Based on our lease portfolio as of December 31, 2018, we anticipate recognition of lease assets and liabilities of approximately \$500 million on our consolidated balance sheet upon adoption with no material impact to our consolidated statements of income. We will elect the practical expedients upon transition to not reassess prior conclusions related to contracts containing leases, lease classification and initial direct costs. We will also elect the practical expedient for lessees to combine lease and nonlease components for all asset classes. We are in the process of finalizing key system functionality and updating our controls and procedures for maintaining and accounting for our lease portfolio under the new guidance.

In June 2016, the FASB issued Accounting Standards Update No. 2016-13 "Financial Instruments-Credit Losses: Measurement of Credit Losses on Financial Instruments" (ASU 2016-13). ASU 2016-13 requires measurement and recognition of expected credit losses for financial assets. This guidance will become effective for us beginning in the first quarter of 2020 and must be adopted using a modified retrospective approach, with certain exceptions. Early adoption is permitted beginning in the first quarter of 2019. We are evaluating the impact of the adoption of this standard on our Consolidated Financial Statements.

In November 2018, the FASB issued Accounting Standards Update No. 2018-18 "Collaborative Arrangements (Topic 808): Clarifying the Interaction between Topic 808 and Topic 606" (ASU 2018-18). ASU 2018-18 clarifies that certain transactions between collaborative arrangement participants should be accounted for as revenue under Topic 606 when the collaborative arrangement participant is a customer in the context of a unit of account, adds unit-of-account guidance in Topic 808 to align with the guidance in Topic 606, and precludes entities from presenting amounts related to transactions with a collaborative arrangement participant that is not a customer as revenue, unless those transactions are directly related to third-party sales. This guidance will become effective for us beginning in the first quarter of 2020 and should be applied retrospectively to January 1, 2018 when we initially adopted Topic 606. Early adoption is permitted. We are evaluating the impact of the adoption of this standard but we currently do not expect a material impact on our revenue.

## 2. REVENUES

Disaggregation of Revenues

The following table disaggregates our product sales by product and geographic region and disaggregates our royalty, contract and other revenues by geographic region for the years ended December 31, 2018, 2017 and 2016. The information for the years ended December 31, 2017 and 2016 has not been adjusted in accordance with our modified retrospective adoption of Topic 606 and continues to be reported in accordance with our historical accounting under Topic 605.

			Ye	ar Ended I	Deceml	ber 31, 2018		Year Ended December 31, 2017						Year Ended December 31, 2016									
(In millions)		U.S.	Е	urope	In	Other ternational	Total		U.S.	Е	Curope		Other International	 Total		U.S.		Europe	I	Other nternatio	nal		Total
Product Sales:																							
Atripla	\$	967	\$	131	\$	108	\$ 1,206	\$	1,288	\$	335	\$	183	\$ 1,806	\$	1,898	\$	520	\$		187	\$	2,605
Biktarvy		1,144		39		1	1,184		_		_		_	_		_		_			_		_
Complera/Eviplera		276		327		50	653		406		503		57	966		821		580			56		1,457
Descovy		1,217		308		56	1,581		958		226		34	1,218		226		69			3		298
Genvoya		3,631		794		199	4,624		3,033		534		107	3,674		1,301		160			23		1,484
Odefsey		1,242		335		21	1,598		964		132		10	1,106		302		27			_		329
Stribild		505		97		42	644		811		195		47	1,053		1,523		314			77		1,914
Truvada		2,605		260		132	2,997		2,266		644		224	3,134		2,384		913			269		3,566
Other HIV(1)		40		7		14	61		43		6		9	58		41		6			_		47
Revenue share - Symtuza ⁽²⁾		27		52		_	79		_		_		_	_		_		_			_		_
AmBisome		46		229		145	420		28		207		131	366		20		209			127		356
Epclusa		934		654		378	1,966		2,404		869		237	3,510		1,591		141			20		1,752
Harvoni		802		144		276	1,222		3,053		704		613	4,370		4,941		1,810		2,	330		9,081
Letairis		943		_		_	943		887		_		_	887		819		_			_		819
Ranexa		758		_		_	758		717		_		_	717		677		_			_		677
Vemlidy		245		12		64	321		111		5		6	122		3		_			_		3
Viread		50		82		175	307		514		238		294	1,046		591		302			293		1,186
Vosevi		304		78		14	396		267		22		4	293		_		_			_		_
Yescarta		263		1		_	264		7		_		_	7		_		_			_		_
Zydelig		61		70		2	133		69		77		3	149		91		76			1		168
Other(3)		137		76		107	320		283		314		583	1,180		2,036		949		1,	226		4,211
Total product sales	1	6,197		3,696		1,784	21,677		18,109		5,011		2,542	25,662		19,265		6,076		4,	612		29,953
Royalty, contract and other revenues		72		310		68	450		85		300		60	445		89		289			59		437
Total revenues	\$ 1	6,269	\$	4,006	\$	1,852	\$ 22,127	\$	18,194	\$	5,311	\$	2,602	\$ 26,107	\$	19,354	\$	6,365	\$	4,	671	\$	30,390

#### Notes:

Revenues Recognized from Performance Obligations Satisfied in Prior Periods

During the year ended December 31, 2018, revenues recognized from performance obligations satisfied in prior years related to royalties for licenses of our intellectual property were \$541 million. Changes in estimates for variable consideration related to sales made in prior years resulted in a \$56 million decrease in revenues during the year ended December 31, 2018.

## Contract Balances

Our contract assets, which consist of unbilled amounts primarily from arrangements where the licensing of intellectual property is the only or predominant performance obligation, totaled \$125 million and \$132 million as of December 31, 2018 and January 1, 2018, respectively.

Contract liabilities were not material as of December 31, 2018 and January 1, 2018.

⁽¹⁾ Includes Emtriva and Tybost

⁽²⁾ Represents Gilead's revenue from cobicistat (C), emtricitabine (FTC) and tenofovir alafenamide (TAF) in Symtuza (darunavir/C/FTC/TAF), a fixed dose combination product commercialized by Janssen Sciences Ireland UC (Janssen)

Includes Cayston, Hepsera and Sovaldi

#### 3. FAIR VALUE MEASUREMENTS

We determine the fair value of financial and non-financial assets and liabilities using the fair value hierarchy, which establishes three levels of inputs that may be used to measure fair value, as follows:

- Level 1 inputs include quoted prices in active markets for identical assets or liabilities;
- Level 2 inputs include observable inputs other than Level 1 inputs, such as quoted prices for similar assets or liabilities; quoted prices for identical or similar assets or liabilities in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the asset or liability. For our marketable securities, we review trading activity and pricing as of the measurement date. When sufficient quoted pricing for identical securities is not available, we use market pricing and other observable market inputs for similar securities obtained from various third-party data providers. These inputs either represent quoted prices for similar assets in active markets or have been derived from observable market data; and
- Level 3 inputs include unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the underlying asset or liability. Our Level 3 assets and liabilities include those whose fair value measurements are determined using pricing models, discounted cash flow methodologies or similar valuation techniques and significant management judgment or estimation.

Our financial instruments consist primarily of cash and cash equivalents, marketable debt securities, accounts receivable, foreign currency exchange contracts, equity securities, accounts payable and short-term and long-term debt. Cash and cash equivalents, marketable debt and equity securities, and foreign currency exchange contracts are reported at their respective fair values on our Consolidated Balance Sheets. Short-term and long-term debt are reported at their amortized costs in our Consolidated Balance Sheets. The remaining financial instruments are reported in our Consolidated Balance Sheets at amounts that approximate current fair values.

The following table summarizes the types of assets and liabilities measured at fair value on a recurring basis by level within the fair value hierarchy (in millions):

	December 31, 2018								December 31, 2017							
		Level 1		Level 2		Level 3	Total			Level 1		Level 2	]	Level 3		Total
Assets:				_		_				_		_		_		_
Available-for-sale debt securities:																
U.S. treasury securities	\$	3,969	\$	_	\$	_	\$	3,969	\$	4,061	\$	_	\$	_	\$	4,061
Certificates of deposit		_		4,361		_		4,361		_		5,131		_		5,131
U.S. government agencies securities		_		938		_		938		_		926		_		926
Non-U.S. government securities		_		305		_		305		_		664		_		664
Corporate debt securities		_		13,067		_		13,067		_		14,747		_		14,747
Residential mortgage and asset-backed securities		_		1,524		_		1,524		_		4,058		_		4,058
Marketable equity securities:																
Money market funds		5,305		_		_		5,305		4,714		_		_		4,714
Equity securities		881		_		_		881		635		_		_		635
Deferred compensation plan		124		_		_		124		116		_		_		116
Foreign currency derivative contracts		_		78		_		78		_		13		_		13
Total	\$	10,279	\$	20,273	\$		\$	30,552	\$	9,526	\$	25,539	\$		\$	35,065
Liabilities:																
Deferred compensation plan	\$	124	\$	_	\$	_	\$	124	\$	116	\$	_	\$	_	\$	116
Foreign currency derivative contracts		_		1		_		1		_		93		_		93
Total	\$	124	\$	1	\$		\$	125	\$	116	\$	93	\$	_	\$	209

For the year ended December 31, 2018, changes in the fair value of marketable equity securities resulted in net unrealized gains of \$115 million, which were included in Other income (expense), net, on our Consolidated Statements of Income.

The following table summarizes the classification of our marketable equity securities in our Consolidated Balance Sheets (in millions):

	Dece	mber 31, 2018	December 31, 2017
Cash and cash equivalents	\$	5,305	\$ 4,714
Prepaid and other current assets		863	637
Other long-term assets		142	114
Total	\$	6,310	\$ 5,465

Our available-for-sale debt securities are classified as cash equivalents, short-term marketable securities and long-term marketable securities on our Consolidated Balance Sheets. See Note 4, Available-for-Sale Debt Securities, for additional information.

#### Level 2 Inputs

We estimate the fair values of Level 2 instruments by taking into consideration valuations obtained from third-party pricing services. The pricing services utilize industry standard valuation models, including both income-based and market-based approaches, for which all significant inputs are observable, either directly or indirectly, to estimate fair value. These inputs include reported trades of and broker/dealer quotes on the same or similar securities, issuer credit spreads, benchmark securities, prepayment/default projections based on historical data and other observable inputs.

Substantially all of our foreign currency derivative contracts have maturities within an 18 month time horizon and all are with counterparties that have a minimum credit rating of A- or equivalent by S&P Global Ratings, Moody's Investors Service, Inc. or Fitch Ratings, Inc. We estimate the fair values of these contracts by taking into consideration valuations obtained from a third-party valuation service that utilizes an income-based industry standard valuation model for which all significant inputs are observable, either directly or indirectly. These inputs include foreign currency exchange rates, London Interbank Offered Rates (LIBOR) and swap rates. These inputs, where applicable, are observable at commonly quoted intervals.

The total estimated fair values of our short-term and long-term debt, determined using Level 2 inputs based on their quoted market values, were approximately \$27.1 billion and \$35.5 billion at December 31, 2018 and 2017, respectively, and the carrying values were \$27.3 billion and \$33.5 billion at December 31, 2018 and 2017, respectively.

## **Level 3 Inputs**

As of December 31, 2018 and 2017, the only assets or liabilities that were measured using Level 3 inputs on a recurring basis were our contingent consideration liabilities, which were immaterial. On a nonrecurring basis, we measure certain assets including intangible assets at fair value when the carrying value of the asset exceeds its fair value. In 2018, we recorded an impairment charge of \$820 million to write down to zero the carrying value of the KITE-585 program (an anti-BCMA being evaluated for the treatment of multiple myeloma). See Note 9, Intangible Assets, for additional information.

Our policy is to recognize transfers into or out of Level 3 classification as of the actual date of the event or change in circumstances that caused the transfer. There were no transfers between Level 1, Level 2 and Level 3 in the periods presented.

## 4. AVAILABLE-FOR-SALE DEBT SECURITIES

The following table summarizes our available-for-sale debt securities (in millions):

		December 31, 2018									December 31, 2017							
	A	Amortized Cost				Gross Unrealized Gains		Gross Unrealized Losses		Estimated Fair Value		Amortized Cost		Gross Inrealized Gains	Gross Unrealized Losses			Estimated air Value
U.S. treasury securities	\$	3,978	\$		\$	(9)	\$	3,969	\$	4,090	\$	_	\$	(29)	\$	4,061		
Certificates of deposit		4,361		_		_		4,361		5,131		_		_		5,131		
U.S. government agencies securities		943		_		(5)		938		934		_		(8)		926		
Non-U.S. government securities		307		_		(2)		305		668		_		(4)		664		
Corporate debt securities		13,095		1		(29)		13,067		14,790		3		(46)		14,747		
Residential mortgage and asset- backed securities		1,532		_		(8)		1,524		4,072		1		(15)		4,058		
Total	\$	24,216	\$	1	\$	(53)	\$	24,164	\$	29,685	\$	4	\$	(102)	\$	29,587		

The following table summarizes the classification of our available-for-sale debt securities in our Consolidated Balance Sheets (in millions):

	Decer	nber 31, 2018	Dec	ember 31, 2017
Cash and cash equivalents	\$	10,592	\$	481
Short-term marketable securities		12,149		17,922
Long-term marketable securities		1,423		11,184
Total	\$	24,164	\$	29,587

The following table summarizes our available-for-sale debt securities by contractual maturity (in millions):

		December 31, 2018						
		Amortized Cost		Fair Value				
Within one year	\$	22,786	\$	22,741				
After one year through five years		1,364		1,358				
After five years through ten years		46		45				
After ten years		20		20				
Total	\$	24,216	\$	24,164				
	<del></del>							

The following table summarizes our available-for-sale debt securities that were in a continuous unrealized loss position, but were not deemed to be other-than-temporarily impaired (in millions):

	Less Than 12 Months			onths		12 Months	or G	reater	Total				
	U	Gross Inrealized Losses	Estimated Fair Value		Gross Unrealized Losses			Estimated Fair Value		Gross Unrealized Losses		timated ir Value	
December 31, 2018													
U.S. treasury securities	\$	_	\$	896	\$	(9)	\$	1,383	\$	(9)	\$	2,279	
U.S. government agencies securities		_		30		(5)		553		(5)		583	
Non-U.S. government securities		_		86		(2)		192		(2)		278	
Corporate debt securities		(1)		1,600		(28)		4,204		(29)		5,804	
Residential mortgage and asset-backed securities		_		192		(8)		1,186		(8)		1,378	
Total	\$	(1)	\$	2,804	\$	(52)	\$	7,518	\$	(53)	\$	10,322	
December 31, 2017													
U.S. treasury securities	\$	(2)	\$	821	\$	(27)	\$	3,240	\$	(29)	\$	4,061	
U.S. government agencies securities		(1)		206		(7)		700		(8)		906	
Non-U.S. government securities		(1)		203		(3)		461		(4)		664	
Corporate debt securities		(14)		7,674		(32)		3,561		(46)		11,235	
Residential mortgage and asset-backed securities		(4)		2,245		(11)		1,206		(15)		3,451	
Total	\$	(22)	\$	11,149	\$	(80)	\$	9,168	\$	(102)	\$	20,317	

We held a total of 1,348 and 2,957 positions, which were in an unrealized loss position as of December 31, 2018 and 2017, respectively.

Based on our review of these securities, we believe we had no other-than-temporary impairments as of December 31, 2018 and 2017, because we do not intend to sell these securities nor do we believe that we will be required to sell these securities before the recovery of their amortized cost basis. Gross realized gains and gross realized losses were not material for the years presented.

#### 5. DERIVATIVE FINANCIAL INSTRUMENTS

Our operations in foreign countries expose us to market risk associated with foreign currency exchange rate fluctuations between the U.S. dollar and various foreign currencies, primarily the Euro. In order to manage this risk, we may hedge a portion of our foreign currency exposures related to outstanding monetary assets and liabilities as well as forecasted product sales using foreign currency exchange forward or option contracts. In general, the market risk related to these contracts is offset by corresponding gains and losses on the hedged transactions. The credit risk associated with these contracts is driven by changes in interest and currency exchange rates and, as a result, varies over time. By working only with major banks and closely monitoring current market conditions, we seek to limit the risk that counterparties to these contracts may be unable to perform. We also seek to limit our risk of loss by entering into contracts that permit net settlement at maturity. Therefore, our overall risk of loss in the event of a counterparty default is limited to the amount of any unrecognized gains on outstanding contracts (i.e., those contracts that have a positive fair value) at the date of default. We do not enter into derivative contracts for trading purposes.

We hedge our exposure to foreign currency exchange rate fluctuations for certain monetary assets and liabilities of our entities that are denominated in a non-functional currency. The derivative instruments we use to hedge this exposure are not designated as hedges, and as a result, changes in their fair value are recorded in Other income (expense), net, on our Consolidated Statements of Income.

We hedge our exposure to foreign currency exchange rate fluctuations for forecasted product sales that are denominated in a non-functional currency. The derivative instruments we use to hedge this exposure are designated as cash flow hedges and have maturities of 18 months or less. Upon executing a hedging contract and quarterly thereafter, we assess hedge effectiveness using regression analysis. Prior to January 2018, we excluded time value from our effectiveness testing and recognized changes in the time value of the hedge in Other income (expense), net, on our Consolidated Statements of Income. Starting in January 2018, we include time value in our effectiveness testing and the entire change in the value of hedge contracts is recorded as unrealized gains or losses in AOCI within Stockholders' equity on our Consolidated Balance Sheets. The unrealized gains or losses in AOCI are reclassified into product sales when the respective hedged transactions affect earnings. The majority of gains and losses related to the hedged forecasted transactions reported in AOCI at December 31, 2018 are expected to be reclassified to product sales within 12 months.

The cash flow effects of our derivative contracts for the years ended December 31, 2018, 2017 and 2016 are included within Net cash provided by operating activities on our Consolidated Statements of Cash Flows.

We had notional amounts on foreign currency exchange contracts outstanding of \$2.2 billion and \$2.8 billion at December 31, 2018 and 2017, respectively.

While all of our derivative contracts allow us the right to offset assets and liabilities, we have presented amounts on a gross basis. The following table summarizes the classification and fair values of derivative instruments in our Consolidated Balance Sheets (in millions):

	December 31, 2018									
	Asset Derivative	Liability Derivatives								
	Classification	Fair	r Value	Classification		Fair ⁷ alue				
Derivatives designated as hedges:										
Foreign currency exchange contracts	Other current assets	\$	73	Other accrued liabilities	\$	(1)				
Foreign currency exchange contracts	Other long-term assets		5	Other long-term obligations		_				
Total derivatives designated as hedges			78			(1)				
Derivatives not designated as hedges:		'								
Foreign currency exchange contracts	Other current assets		_	Other accrued liabilities		_				
Total derivatives not designated as hedges		' <u></u>								
Total derivatives		\$	78		\$	(1)				
		===								

	December 31, 2017									
	Asset Derivative	es		Liability Derivatives						
	Classification	Fa	ir Value	Classification	,	Fair Value				
Derivatives designated as hedges:										
Foreign currency exchange contracts	Other current assets	\$	2	Other accrued liabilities	\$	(89)				
Foreign currency exchange contracts	Other long-term assets		1	Other long-term obligations		(3)				
Total derivatives designated as hedges			3			(92)				
Derivatives not designated as hedges:										
Foreign currency exchange contracts	Other current assets		10	Other accrued liabilities		(1)				
Total derivatives not designated as hedges			10			(1)				
Total derivatives		\$	13		\$	(93)				

The following table summarizes the effect of our foreign currency exchange contracts on our Consolidated Financial Statements (in millions):

	Year Ended December 31,					,		
	2018			2017		2017		2016
Derivatives designated as hedges:						,,		
Gains (losses) recognized in AOCI	\$	114	\$	(315)	\$	5		
Gains (losses) reclassified from AOCI into product sales	\$	(87)	\$	(28)	\$	73		
Gains (losses) recognized in Other income (expense), net	\$	_	\$	41	\$	(32)		
Derivatives not designated as hedges:								
Gains (losses) recognized in Other income (expense), net	\$	(2)	\$	(113)	\$	206		

From time to time, we may discontinue cash flow hedges, and as a result, record related amounts in Other income (expense), net, on our Consolidated Statements of Income. There were no material amounts recorded in Other income (expense), net, on our Consolidated Statements of Income for the years presented as a result of the discontinuance of cash flow hedges.

As of December 31, 2018 and 2017, we only held foreign currency exchange contracts. The following table summarizes the potential effect of offsetting derivatives by type of financial instrument on our Consolidated Balance Sheets (in millions):

## As of December 31, 2018 Offsetting of Derivative Assets/Liabilities

					Gross A		Offset or	the Consolidated	
Description	 Amounts of Assets/Liabilities	Gross Amounts Offset of the Consolidated Balan- Sheets	ce Presented	of Assets/Liabilities on the Consolidated lance Sheets		ve Financial ruments	-	ash Collateral	 Amount l Offset)
Derivative assets	\$ 78	\$ -	- \$	78	\$	(1)	\$		\$ 77
Derivative liabilities	(1)	_	-	(1)		1		_	_
			As of December 3 g of Derivative A	,					
					Gross A	Amounts Not	Offset or	the Consolidated	

					Gross		Offset ince S	on the Consolidated heets	
Description	Amounts of Assets/Liabilities	 Amounts Offset on nsolidated Balance Sheets	Present	nts of Assets/Liabilities ed on the Consolidated Balance Sheets		tive Financial struments		Cash Collateral Received/Pledged	Amount al Offset)
Derivative assets	\$ 13	\$ _	\$	13	\$	(8)	\$	_	\$ 5
Derivative liabilities	(93)	_		(93)		8		_	(85)

## 6. ACQUISITIONS

#### Kite Pharma, Inc.

On October 3, 2017 (the Acquisition Date), we completed a tender offer for all of the outstanding common stock of Kite Pharma, Inc. (Kite) for \$180 per share in cash. As a result, Kite became our wholly-owned subsidiary. The acquisition of Kite helps establish our foundation for improving the treatment of hematological malignancies and solid tumors.

The consideration transferred for the acquisition was \$11,155 million, consisting of \$10,420 million in cash to the outstanding Kite common stockholders, \$645 million cash payment to vested equity award holders, \$15 million to warrant holders and \$75 million representing the portion of the replaced stock-based awards attributable to the pre-combination period. In addition, \$733 million was excluded from the consideration transferred, representing the portion of the replaced stock-based awards attributable to the post combination period, which is expected to be recognized through 2021.

The acquisition of Kite was accounted for as a business combination using the acquisition method of accounting. This method requires, among other things, that assets acquired and liabilities assumed be recognized at fair value as of the acquisition date. The determination of estimated fair value requires us to make significant estimates and assumptions. During 2018, we recorded a \$42 million reduction to goodwill primarily due to revision of deferred income taxes as a result of finalization of Kite's pre-acquisition federal income tax return. The fair value estimates for the assets acquired and liabilities assumed have been completed.

The following table summarizes the acquisition date fair values of assets acquired and liabilities assumed, and the consideration transferred (in millions):

Cash and cash equivalents	\$	652
Identifiable intangible assets		
Indefinite-lived intangible assets - IPR&D		8,950
Outlicense acquired		91
Deferred income taxes		(1,564)
Other assets acquired (liabilities assumed), net	<u></u>	81
Total identifiable net assets		8,210
Goodwill		2,945
Total consideration transferred	\$	11,155

## Identifiable Intangible Assets

We acquired intangible assets primarily related to IPR&D for axicabtagene ciloleucel, KITE-585, and KTE-X19 (formerly KTE-C19, being evaluated for the treatment of adult and pediatric acute lymphoblastic leukemia), which had an estimated aggregate fair value of \$8,950 million as of the Acquisition Date.

Intangible assets related to IPR&D projects are considered to be indefinite-lived assets until the completion or abandonment of the associated R&D efforts. In October 2017, upon FDA approval of Yescarta for the treatment of adult patients with relapsed or refractory DLBCL after two or more lines of systemic therapy, \$6,200 million of the purchased IPR&D was reclassified as a finite-lived intangible asset and is being amortized over an estimated useful life of 18 years using the straight-line method. In 2018, we recorded an impairment charge of \$820 million to write down to zero the estimated fair value of the KITE-585 program. See Note 9, Intangible Assets, for additional information.

Additionally, we acquired an outlicensing arrangement with Daiichi Sankyo Company Limited, which had an estimated fair value of \$91 million as of the Acquisition Date. This definite-lived intangible asset is being amortized over an estimated useful life of 14 years on a straight-line basis. The fair value was determined by estimating the probability-weighted net cash flows attributable to the outlicense discounted to present value using a discount rate that represents the estimated rate that market participants would use to value this intangible asset.

#### Goodwill

The \$2,945 million goodwill represents the excess of the consideration transferred over the fair values of assets acquired and liabilities assumed and represents the future economic benefits arising from other assets acquired that could not be individually identified and separately recognized. None of the goodwill is deductible for income tax purposes.

## Cell Design Labs, Inc.

In December 2017, we acquired all of the issued and outstanding stock of Cell Design Labs, Inc., a privately held company (Cell Design Labs), which was in addition to the approximately 12.2% of shares in Cell Design Labs we obtained in the acquisition of Kite. With this acquisition, we gained new technology platforms that will enhance research and development efforts in cellular therapy.

The cash consideration totaled \$150 million, net of acquired cash. Additionally, the shareholders of Cell Design Labs, other than us, are eligible to receive contingent development and regulatory milestone-based payments of up to \$322 million. Our 12.2% equity interest in Cell Design Labs had a carrying value of \$30 million. The transaction was accounted for as an asset acquisition. As a result, \$172 million was expensed as acquired IPR&D within Research and development expenses on our Consolidated Statements of Income.

## Nimbus Apollo, Inc.

In May 2016, we acquired Nimbus Apollo, Inc., a privately held company, and its Acetyl-CoA Carboxylase inhibitor program, which is being evaluated for the potential treatment of non-alcoholic steatohepatitis, hepatocellular carcinoma and other diseases. The consideration included a payment of \$400 million and contingent development and regulatory milestone-based payments of up to \$800 million. The transaction was accounted for as an asset acquisition. As a result, the payment of \$400 million was expensed as acquired IPR&D within Research and development expenses on our Consolidated Statements of Income. During 2016, based on the achievement of certain clinical development milestones, we recorded a \$200 million expense within Research and development expenses on our Consolidated Statements of Income.

## 7. INVENTORIES

Inventories are summarized as follows (in millions):

	 December 31,				
	 2018		2017		
Raw materials	\$ 1,888	\$	1,880		
Work in process	235		352		
Finished goods	 507		670		
Total	\$ 2,630	\$	2,902		
Reported as:					
Inventories	\$ 814	\$	801		
Other long-term assets	1,816		2,101		
Total	\$ 2,630	\$	2,902		

Amounts reported as other long-term assets primarily consisted of raw materials as of December 31, 2018 and 2017.

During the year ended December 31, 2018, we recorded inventory reserves of \$572 million, of which \$440 million was related to excess raw materials primarily due to a sustained decrease in demand for Harvoni. Inventory reserves recorded for the years ended December 31, 2017 and 2016 were not material.

## 8. PROPERTY, PLANT AND EQUIPMENT

Property, plant and equipment is summarized as follows (in millions):

	December 31,			
		2018		2017
Land and land improvements	\$	404	\$	396
Buildings and improvements (including leasehold improvements)		2,344		2,176
Laboratory and manufacturing equipment		697		533
Office and computer equipment		558		494
Construction in progress		1,194		690
Subtotal		5,197		4,289
Less accumulated depreciation and amortization		(1,191)		(994)
Total	\$	4,006	\$	3,295

Office and computer equipment includes capitalized software. We had unamortized capitalized software costs on our Consolidated Balance Sheets of \$121 million and \$129 million as of December 31, 2018 and 2017, respectively. Capitalized interest on construction in-progress is included in property, plant and equipment. Interest capitalized in 2018, 2017 and 2016 was not material.

#### 9. INTANGIBLE ASSETS

The following table summarizes our intangible assets, net (in millions):

	December 31, 2018					December 31, 20	17
	Gross Carrying Amount	Accumulated Amortization	Foreign Currency Translation Adjustment	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
Finite-lived assets							
Intangible asset - sofosbuvir	\$ 10,720	\$ (3,554)	\$ —	\$ 7,166	\$ 10,720	\$ (2,855)	\$ 7,865
Intangible asset - axicabtagene ciloleucel (DLBCL)	6,200	(416)	_	5,784	6,200	(72)	6,128
Intangible asset - Ranexa	688	(678)	_	10	688	(566)	122
Other	1,096	(359)	(3)	734	546	(311)	235
Total finite-lived assets	18,704	(5,007)	(3)	13,694	18,154	(3,804)	14,350
Indefinite-lived assets - IPR&D	2,047	_	(3)	2,044	2,750	_	2,750
Total intangible assets	\$ 20,751	\$ (5,007)	\$ (6)	\$ 15,738	\$ 20,904	\$ (3,804)	\$ 17,100

Amortization expense related to finite-lived intangible assets is included in Cost of goods sold on our Consolidated Statements of Income and totaled \$1.2 billion, \$912 million and \$844 million for the years ended December 31, 2018, 2017 and 2016, respectively.

In 2018, we entered into an agreement with Japan Tobacco Inc. (Japan Tobacco) to acquire the rights to market and distribute certain products in our HIV portfolio in Japan. In connection with this agreement, we recorded an intangible asset of \$550 million reflecting the estimated fair value of the marketing-related rights acquired from Japan Tobacco. The intangible asset will be amortized over nine years beginning January 1, 2019. The amortization expense will be classified as selling expense and recorded as Selling, general and administrative expenses on our Consolidated Statements of Income. See Note 11, Collaborative Arrangements, for additional information.

In 2018, we concluded that the KITE-585 program did not justify further efforts based on the totality of the clinical data gathered and discontinued the program. As a result, the carrying value of the IPR&D relating to the KITE-585 program was written down to zero and we recorded an impairment charge of \$820 million within Research and development expenses on our Consolidated Statements of Income. No IPR&D impairment charges were recorded in 2017 and \$432 million of IPR&D impairment charges were recorded in 2016 within Research and development expenses on our Consolidated Statements of Income.

In 2018, we entered into a collaboration agreement with Gadeta B.V. (Gadeta) to develop gamma delta T cell receptor therapies for various cancers. Gadeta is a VIE that we consolidate. Upon consolidation, we recognized a \$117 million indefinite-lived intangible asset relating to IPR&D. See Note 11, Collaborative Arrangements, for additional information.

As of December 31, 2018, estimated future amortization expense associated with our finite-lived intangible assets is as follows (in millions):

Fiscal Year	Amou	ınt
2019	\$	1,149
2020		1,125
2021		1,124
2022		1,124
2023		1,124
Thereafter		8,048
Total	\$	13,694

#### 10. OTHER FINANCIAL INFORMATION

#### Other Accrued Liabilities

The components of Other accrued liabilities are summarized as follows (in millions):

	December 31,			
	2018		2017	
Compensation and employee benefits	\$ 555	\$	455	
Accrued payment for marketing-related rights acquired from Japan Tobacco	365		_	
Income taxes payable	190		713	
Other accrued expenses	2,029		2,202	
Total	\$ 3,139	\$	3,370	

## 11. COLLABORATIVE ARRANGEMENTS

We enter into collaborative arrangements with third parties for the development and commercialization of certain products and product candidates. These arrangements involve two or more parties who are active participants in the operating activities of the collaboration and are exposed to significant risks and rewards depending on the commercial success of the activities. These arrangements may include non-refundable, up-front payments, payments by us for options to acquire certain rights, contingent obligations by us for potential development and regulatory milestone payments and/or sales-based milestone payments, royalty payments, revenue or profit-sharing arrangements, cost-sharing arrangements, equity investments, or a combination of these terms.

#### Janssen

Complera/Eviplera and Odefsey

In 2009, we entered into a license and collaboration agreement with Janssen Sciences Ireland UC (Janssen), formerly Tibotec Pharmaceuticals, to develop and commercialize a fixed-dose combination of our Truvada and Janssen's non-nucleoside reverse transcriptase inhibitor, rilpivirine. This combination was approved in the United States and European Union in 2011 and is sold under the brand name Complera in the United States and Eviplera in the European Union.

The agreement was amended in 2014 to expand the collaboration to include another product containing Janssen's rilpivirine and our emtricitabine and tenofovir alafenamide (Odefsey).

Under the amended agreement, Janssen granted us an exclusive license to Complera/Eviplera and Odefsey worldwide, but retained rights to distribute both combination products in certain countries outside of the United States. Neither party is restricted from combining its drugs with any other drug products except those which are similar to the components of Complera/Eviplera and Odefsey.

We are responsible for manufacturing Complera/Eviplera and Odefsey and have the lead role in registration, distribution and commercialization of both products except in the countries where Janssen distributes. Janssen has exercised a right to co-detail the combination product in some of the countries where we are the selling party.

Under the financial provisions of the 2014 amendment, the selling party sets the price of the combined products and the parties share revenues based on the ratio of the net selling prices of the party's component(s), subject to certain restrictions and adjustments. We retain a specified percentage of Janssen's share of revenues, up to 30% in major markets. Sales of these products are included in Product sales and Janssen's shares of revenues are included in Cost of goods sold on our Consolidated Statements of Income. Cost of goods sold relating to Janssen's shares were \$608 million, \$561 million and \$459 million for the years ended December 31, 2018, 2017 and 2016, respectively.

Termination of the agreement may be on a product or country basis and will depend on the circumstances, including withdrawal of a product from the market, material breach by either party or expiry of revenue share payment term. We may terminate the agreement without cause with respect to the countries where we sell the products in which case Janssen has the right to become the selling party for such country if the product has launched but has been on the market for fewer than 10 years.

Symtuza

In 2014, we amended a license and collaboration agreement with Janssen to develop and commercialize a fixed-dose combination of Janssen's darunavir and our cobicistat, emtricitabine and tenofovir alafenamide. This combination was approved in the United States and European Union in July 2018 and September 2017, respectively, and is sold under the brand name Symtuza.

Under the terms of the 2014 amendment, we granted Janssen an exclusive license to Symtuza worldwide. Janssen is responsible for manufacturing, registration, distribution and commercialization of Symtuza worldwide. We are responsible for the intellectual property related to cobicistat, emtricitabine and tenofovir alafenamide (Gilead Compounds) and are the exclusive

supplier of the Gilead Compounds. Neither party is restricted from combining its drugs with any other drug products except those which are similar to the components of Symtuza.

Janssen sets the price of Symtuza and the parties share revenue based on the ratio of the net selling prices of the party's component(s), subject to certain restrictions and adjustments. The intellectual property license and supply obligations related to the Gilead Compounds are accounted for as a single performance obligation. As the license was deemed to be the predominant item to which the revenue share relates, we recognize our share of the Symtuza revenue in the period when the corresponding sales of Symtuza by Janssen occur. We record our share of the Symtuza revenue as Product sales on our Consolidated Statements of Income primarily because we supply the Gilead Compounds to Janssen for Symtuza. See Note 2, Revenues, for revenue recognized for the periods presented.

Termination of the agreement may be on a product or country basis and will depend on the circumstances, including withdrawal of a product from the market, material breach by either party or expiry of revenue share payment term. Janssen may terminate the agreement without cause on a country-by-country basis, in which case Gilead has the right to become the selling party for such country(ies) if the product has launched but has been on the market for fewer than 10 years. Janssen may also terminate the entire agreement without cause.

#### Japan Tobacco

In 2005, Japan Tobacco granted us exclusive rights to develop and commercialize elvitegravir, a novel HIV integrase inhibitor, in all countries of the world, excluding Japan, where Japan Tobacco retained such rights and paid a royalty to us based on its product sales in Japan. Under the agreement, we are responsible for seeking regulatory approval in our territories and are required to use diligent efforts to commercialize elvitegravir for the treatment of HIV infection. We bear all costs and expenses associated with such commercialization efforts and pay a royalty to Japan Tobacco based on our product sales. Japan Tobacco also marketed and distributed certain other products in our HIV portfolio in Japan and paid a royalty to us based on these product sales.

We received approval for Stribild and Genvoya (elvitegravir-containing products) in 2012 and 2015, respectively. Our sales of these products are included in Product sales, royalties due to Japan Tobacco based on our product sales are included in Cost of goods sold, and royalties due from Japan Tobacco based on its product sales in Japan are included in Royalty, contract and other revenues on our Consolidated Statements of Income. Royalty expenses recognized were \$452 million, \$400 million and \$282 million for the years ended December 31, 2018, 2017 and 2016, respectively. Royalty income recognized was not material for the periods presented.

Effective in December 2018, we entered into an agreement with Japan Tobacco to acquire the rights to market and distribute certain products in our HIV portfolio in Japan and to expand our rights to develop and commercialize elvitegravir to include Japan. We are responsible for the marketing of the products as of January 1, 2019.

Under the terms of the agreement, we are obligated to pay Japan Tobacco \$559 million in cash, of which \$194 million was paid as an up-front payment and the remaining \$365 million was reflected in Other accrued liabilities on our Consolidated Balance Sheets at December 31, 2018. We recognized an intangible asset of \$550 million reflecting the estimated fair value of the marketing-related rights acquired from Japan Tobacco with the remaining \$9 million recorded as Prepaid and other current assets on our Consolidated Balance Sheets. The intangible asset will be amortized over nine years, representing the period over which the majority of the benefits are expected to be derived from the applicable products in our HIV portfolio. The amortization expense will be classified as selling expense and recorded as Selling, general and administrative expenses on our Consolidated Statements of Income.

Termination of the agreement may be on a product or country basis and will depend on the circumstances, including material breach by either party or expiry of royalty payment term. We may also terminate the entire agreement without cause.

#### Galapagos

In 2016, we closed on a license and collaboration agreement with Galapagos NV (Galapagos), a clinical-stage biotechnology company based in Belgium, for the development and commercialization of filgotinib, a JAK1-selective inhibitor being evaluated for inflammatory disease indications.

Upon closing of the license and collaboration agreement, we made an up-front license fee payment of \$300 million and a \$425 million equity investment in Galapagos by subscribing for new shares at a price of €58 per share, including an issuance premium. As a result, we received 6.8 million new shares of Galapagos, representing 14.75% of its outstanding share capital at the closing of the license and collaboration agreement. The license fee payment of \$300 million and the issuance premium on the equity investment of \$68 million were recorded within Research and development expenses on our Consolidated Statements of Income in 2016. The equity investment, net of issuance premium, was recorded in Prepaid and other current assets on our Consolidated Balance Sheets. As of December 31, 2018, the fair value of the investment was \$622 million.

Galapagos is eligible to receive from us development and regulatory milestone-based payments of up to \$755 million, sales-based milestone payments of up to \$600 million, plus tiered royalties on global net sales ranging from 20% to 30%, with the exception of certain co-promotion territories where profits would be shared equally. For the years ended December 31, 2018 and

2017, milestone payments made to Galapagos were not material. For the year ended December 31, 2016, we recorded a \$60 million expense based on the achievement of certain clinical development milestones within Research and development expenses on our Consolidated Statements of Income.

Under the terms of the agreement, we have an exclusive, worldwide, royalty-bearing, sublicensable license for filgotinib and products containing filgotinib. We are primarily responsible for development and seeking regulatory approval related to filgotinib. We are responsible for 80% and Galapagos is responsible for 20% of the development costs incurred. For the years presented, the payments between Galapagos and us for the development costs were not material. We are also responsible for the manufacturing and commercialization activities. In 2017, Galapagos exercised its option to co-promote filgotinib in the UK, Germany, France, Italy, Spain, the Netherlands, Belgium and Luxembourg, and in these territories we and Galapagos will share profits equally.

Termination of the agreement may be on a country basis and will depend on the circumstances, including expiration of royalty term or in the co-promotion territory, sale of a generic product, or material breach by either party. We may also terminate the entire agreement without cause following a certain period.

#### Gadeta

In July 2018, we entered into a collaboration arrangement with Gadeta, a privately-held company based in Utrecht, the Netherlands, to develop gamma delta T cell receptor therapies for various cancers. Under the financial terms, we provide R&D funding for the collaboration, and Gadeta is eligible to receive future payments upon achievement of certain regulatory milestones. In addition, we made an upfront purchase of equity in Gadeta from Gadeta's shareholders and may acquire additional equity in Gadeta upon achievement of certain R&D milestones. We also have the exclusive option to acquire the remaining equity in Gadeta for €300 million, adjusted for closing cash, transaction expenses and closing indebtedness. The option is exercisable at our discretion.

Gadeta is a VIE, and we are its primary beneficiary because we have the power to direct the activities of Gadeta that most significantly impact its economic performance and as a result of the financial terms described above. Upon the initial consolidation of Gadeta, we recorded assets of \$117 million, primarily intangible assets related to IPR&D and \$82 million to Noncontrolling interest on our Consolidated Balance Sheets. Gadeta does not meet the definition of a business as defined in ASC 805, "Business Combinations", and as a result, no goodwill was recognized.

#### **Bristol-Myers Squibb Company**

North America

In 2004, we entered into a collaboration arrangement with Bristol-Myers Squibb Company (BMS) to develop and commercialize a single tablet regimen containing our Truvada and BMS's Sustiva (efavirenz) in the United States and Canada. This combination was approved for use in the United States in 2006 and is sold under the brand name Atripla. We and BMS structured this collaboration as a joint venture that operated as a limited liability company, which we consolidated.

On December 31, 2017, we terminated BMS's participation in the collaboration following the launch of a generic version of Sustiva in the U.S. and became the sole owner of the joint venture. BMS is not permitted to commercialize Atripla in the United States and Canada but is entitled to receive from us certain fees based on net sales of Atripla in 2018, 2019 and 2020 on a declining annual scale. We may continue to purchase efavirenz from BMS at cost plus a markup as needed to continue manufacturing Atripla for the United States and Canada markets. For the year ended December 31, 2018, we recorded \$198 million of fee expenses within Cost of goods sold on our Consolidated Statements of Income.

#### Europe

In 2007, Gilead Sciences Ireland UC, our wholly-owned subsidiary, and BMS entered into a collaboration agreement which sets forth the terms and conditions under which we and BMS commercialize and distribute Atripla in the European Union, Iceland, Liechtenstein, Norway and Switzerland (collectively, the European Territory). The parties formed a limited liability company which we consolidate, to manufacture Atripla for distribution in the European Territory using efavirenz that it purchases from BMS at BMS's estimated net selling price of efavirenz in the European Territory. We are responsible for manufacturing, product distribution, inventory management and warehousing. Through our local subsidiaries, we have primary responsibility for order fulfillment, collection of receivables, customer relations and handling of sales returns in all the territories where we and BMS promote Atripla. In general, the parties share revenues and out-of-pocket expenses in proportion to the net selling prices of the components of Atripla, Truvada and efavirenz.

Starting in 2012, except for a limited number of activities that are jointly managed, the parties no longer coordinate detailing and promotional activities in the European Territory. We are responsible for accounting, financial reporting and tax reporting for the collaboration. As of December 31, 2018 and 2017, efavirenz purchased from BMS at BMS's estimated net selling price of efavirenz in the European Territory was included in Inventories on our Consolidated Balance Sheets.

The parties also formed a limited liability company to hold the marketing authorization for Atripla in the European Territory. We have primary responsibility for regulatory activities. In the major market countries, both parties have agreed to independently continue to use commercially reasonable efforts to promote Atripla.

The agreement will terminate upon the expiration of the last-to-expire patent which affords market exclusivity to Atripla or one of its components in the European Territory. In addition, since December 31, 2013, either party may terminate the agreement for any reason and such termination will be effective two calendar quarters after notice of termination. The non-terminating party has the right to continue to sell Atripla and become the continuing party, but will be obligated to pay the terminating party certain fees based on net sales for a three-year period following the effective date of the termination. In the event the continuing party decides not to sell Atripla, the effective date of the termination will be the date Atripla is withdrawn in each country or the date on which a third party assumes distribution of Atripla, whichever is earlier.

#### Other collaboration arrangements that are not individually significant

During 2018, we entered into several other collaboration arrangements that resulted in cash payments of \$474 million, of which \$278 million was recorded as up-front collaboration expense within Research and development expenses on our Consolidated Statements of Income and the remaining amounts were recorded in current and other long-term assets on our Consolidated Balance Sheets. We do not consider any of these collaborations arrangements to be individually material. We made no material initial cash payments related to individually insignificant collaboration arrangements in 2017 or 2016.

Under the financial terms of these arrangements, we may be required to make payments upon achievement of various developmental, regulatory and commercial milestones, which could be significant. In addition, we may be required to pay significant royalties on future sales if products related to these arrangements are commercialized. The payment of these amounts, however, is contingent upon the occurrence of various future events, which have a high degree of uncertainty of occurrence. Future milestone payments and royalties, if any, will be reflected on our Consolidated Statements of Income when the corresponding events become probable.

#### 12. DEBT AND CREDIT FACILITIES

The following table summarizes the carrying amount of our borrowings under various financing arrangements (in millions):

				Dece	mber 31,
Type of Borrowing	Issue Date	Due Date	Interest Rate	2018	2017
Senior Unsecured	September 2015	September 2018	1.85%	<u> </u>	\$ 999
			3-month LIBOR +		
Senior Unsecured	September 2017	September 2018	0.17%	_	749
Term Loan	October 2017	October 2018	Variable	_	999
a	G . 1 2015	1. 1. 2010	3-month LIBOR +	7.50	<b>5</b> 40
Senior Unsecured	September 2017	March 2019	0.22%	750	748
Senior Unsecured	March 2014	April 2019	2.05%	500	499
Senior Unsecured	September 2017	September 2019	1.85%	999	997
Senior Unsecured	September 2017	September 2019	3-month LIBOR + 0.25%	499	499
Senior Unsecured	November 2014	February 2020	2.35%	499	499
Senior Unsecured	September 2015	September 2020	2.55%	1,996	1,994
Term Loan	October 2017	October 2020	Variable		998
Senior Unsecured	March 2011	April 2021	4.50%	997	995
Senior Unsecured	December 2011	December 2021	4.40%	1,247	1,246
Senior Unsecured	September 2016	March 2022	1.95%	498	497
Senior Unsecured	September 2015	September 2022	3.25%	997	996
Term Loan	October 2017	October 2022	Variable		2,497
Senior Unsecured	September 2016	September 2023	2.50%	746	745
Senior Unsecured	March 2014	April 2024	3.70%	1,744	1.742
Senior Unsecured	November 2014	February 2025	3.50%	1,745	1,744
Senior Unsecured	September 2015	March 2026	3.65%	2,731	2,729
Senior Unsecured	September 2016	March 2027	2.95%	1,245	1,244
Senior Unsecured	September 2015	September 2035	4.60%	990	990
Senior Unsecured	September 2016	September 2036	4.00%	740	740
Senior Unsecured	December 2011	December 2041	5.65%	995	995
Senior Unsecured	March 2014	April 2044	4.80%	1,734	1,733
Senior Unsecured	November 2014	February 2045	4.50%	1,730	1,730
Senior Unsecured	September 2015	March 2046	4.75%	2,216	2,215
Senior Unsecured	September 2016	March 2047	4.15%	1,724	1,723
Total debt, net				27,322	33,542
Less current portion				2,748	2,747
Total long-term debt, net				\$ 24,574	\$ 30,795
10111 10115 101111 11001, 1101				2 1,5/7	- 50,175

#### Senior Unsecured Notes

In 2017, in connection with our acquisition of Kite, we issued \$3.0 billion aggregate principal amount of senior unsecured notes in a registered offering consisting of \$750 million principal amount of floating rate notes due September 2018, \$750 million principal amount of floating rate notes due March 2019, and \$500 million principal amount of floating rate notes due September 2019 (collectively, the Floating Rate Notes) and \$1.0 billion principal amount of 1.85% senior notes due September 2019 (the Fixed Rate Notes, and collectively with the Floating Rate Notes, the 2017 Notes), the terms of which are summarized in the table above. In 2018, we repaid at maturity \$750 million of principal balance related to the Floating Rate Notes.

We collectively refer to the 2017 Notes, and our senior unsecured notes issued in September 2016 (the 2016 Notes), in September 2015 (the 2015 Notes), in March and November 2014 (the 2014 Notes) and in March and December 2011 (the 2011 Notes) as our Senior Notes. In 2018, we repaid at maturity \$1.0 billion of principal balance related to the 2015 Notes.

Our Senior Notes, except for the Floating Rate Notes, may be redeemed at our option at a redemption price equal to the greater of (i) 100% of the principal amount of the notes to be redeemed and (ii) the sum, as determined by an independent investment

banker, of the present values of the remaining scheduled payments of principal and interest on the notes to be redeemed (exclusive of interest accrued to the date of redemption) discounted to the redemption date on a semiannual basis at the Treasury Rate, plus a make-whole premium as defined in the indenture. Our Senior Notes maturing after 2020 also have a call feature, exercisable at our option, to redeem the notes at par in whole or in part one to six months immediately preceding maturity. In each case, accrued and unpaid interest is also required to be redeemed to the date of redemption. We do not have the option to redeem any series of the Floating Rate Notes, in whole or in part, prior to the maturity date.

In the event of the occurrence of a change in control and a downgrade in the rating of our Senior Notes below investment grade by Moody's Investors Service, Inc. and S&P Global Ratings, the holders may require us to purchase all or a portion of their notes at a price equal to 101% of the aggregate principal amount of the notes repurchased, plus accrued and unpaid interest to the date of repurchase. We are required to comply with certain covenants under our Senior Notes and as of December 31, 2018 and 2017, we were not in violation of any covenants.

Interest expense on our Senior Notes related to the contractual coupon rates and amortization of the debt discount and issuance costs was \$1.1 billion, \$1.0 billion and \$907 million in 2018, 2017 and 2016, respectively.

#### Term Loan Facilities

In September 2017, we entered into a \$6.0 billion aggregate principal amount term loan facility credit agreement consisting of a \$1.0 billion principal amount 364-day senior unsecured term loan facility, a \$2.5 billion principal amount three-year senior unsecured term loan facility and a \$2.5 billion principal amount five-year senior unsecured term loan facility (collectively, the Term Loan Facilities). In October 2017, we drew \$6.0 billion principal amount on the Term Loan Facilities and used the proceeds to finance our acquisition of Kite, of which \$1.5 billion was repaid in 2017 and the remaining \$4.5 billion was repaid in 2018. The term loan facility credit agreement was terminated in 2018.

#### Credit Facilities

In 2016, we entered into a \$2.5 billion five-year revolving credit facility agreement maturing in May 2021 (the Five-Year Revolving Credit Agreement). The revolving credit facility can be used for working capital requirements and for general corporate purposes, including, without limitation, acquisitions. As of December 31, 2018 and 2017, there were no amounts outstanding under the Five-Year Revolving Credit Agreement.

The Five-Year Revolving Credit Agreement contains customary representations, warranties, affirmative and negative covenants and events of default. At December 31, 2018, we were not in violation of any covenants. Loans under the Five-Year Revolving Credit Agreement bear interest at either (i) the Eurodollar Rate plus the Applicable Percentage, or (ii) the Base Rate plus the Applicable Percentage, each as defined in the Five-Year Revolving Credit Agreement. We may terminate or reduce the commitments, and may prepay any loans under the Five-Year Revolving Credit Agreement in whole or in part at any time without premium or penalty.

#### Contractual Maturities of Financing Obligations

As of December 31, 2018, the aggregate future principal maturities of financing obligations for each of the next five years, based on contractual due dates, are as follows (in millions):

	2019		2020	2021	2022	2023
Contractual Maturities	\$ 2,750	\$	2,500	\$ 2,250	\$ 1,500	\$ 750
		75				

#### 13. COMMITMENTS AND CONTINGENCIES

#### Lease Arrangements

We lease facilities and equipment related primarily to administrative, R&D, sales and marketing activities under various long-term non-cancelable operating leases in the United States and international markets. Our leases expire on various dates between 2018 and 2068, with many of our leases containing options to renew. Lease expense under our operating leases was \$109 million, \$84 million and \$81 million in 2018, 2017 and 2016, respectively.

Aggregate undiscounted non-cancelable future minimum rental payments under operating leases are as follows (in millions):

2019	\$ 89
2020	78
2021	66
2022	60
2023	52
Thereafter	229
Total	\$ 574

#### **Legal Proceedings**

We are a party to various legal actions. The most significant of these are described below. We recognize accruals for such actions to the extent that we conclude that a loss is both probable and reasonably estimable. We accrue for the best estimate of a loss within a range; however, if no estimate in the range is better than any other, then we accrue the minimum amount in the range. If we determine that a loss is reasonably possible and the loss or range of loss can be estimated, we disclose the possible loss. Unless otherwise noted, it is not possible to determine the outcome of these matters, and we cannot reasonably estimate the maximum potential exposure or the range of possible loss.

We did not recognize any accruals for the actions described below in our Consolidated Balance Sheets as of December 31, 2018 and 2017, as we did not believe losses were probable.

#### Litigation Related to Sofosbuvir

In January 2012, we acquired Pharmasset, Inc. (Pharmasset). Through the acquisition, we acquired sofosbuvir, a nucleotide analog that acts to inhibit the replication of the hepatitis C virus (HCV). In December 2013, we received approval from U.S. Food and Drug Administration (FDA) for sofosbuvir, now known commercially as Sovaldi. Sofosbuvir is also included in all of our marketed HCV products. We have received a number of claims regarding sofosbuvir. While we have carefully considered these claims both prior to and following the acquisition and believe they are without merit, we cannot predict the ultimate outcome of such claims or range of loss.

We are aware of patents and patent applications owned by third parties that have been or may in the future be alleged by such parties to cover the use of our HCV products. If third parties obtain valid and enforceable patents, and successfully prove infringement of those patents by our HCV products, we could be required to pay significant monetary damages. We cannot predict the ultimate outcome of intellectual property claims related to our HCV products. We have spent, and will continue to spend, significant resources defending against these claims.

## Litigation with Idenix Pharmaceuticals, Inc. (Idenix), Universita Degli Studi di Cagliari (UDSG), Centre National de la Recherche Scientifique and L'Universite Montpellier II

In 2013, Idenix, UDSG, Centre National de la Recherche Scientifique and L'Université Montpellier II sued us in U.S. District Court for the District of Delaware alleging that the commercialization of sofosbuvir will infringe U.S. Patent No. 7,608,600 (the '600 patent). Also in 2013, Idenix and UDSG sued us in the U.S. District Court for the District of Massachusetts alleging that the commercialization of sofosbuvir will infringe U.S. Patent Nos. 6,914,054 (the '054 patent) and 7,608,597 (the '597 patent). In 2014, the court transferred the Massachusetts litigation to the U.S. District Court for the District of Delaware.

Prior to trial in 2016, Idenix committed to give us a covenant not to sue with respect to any claims arising out of the '054 patent related to sofosbuvir and withdrew that patent from the trial. A jury trial was held in 2016 on the '597 patent, and the jury found that we willfully infringed the asserted claims of the '597 patent and awarded Idenix \$2.54 billion in past damages. In 2018, the judge invalidated Idenix's '597 patent and vacated the jury's award of \$2.54 billion in past damages. Idenix appealed this decision to the U.S. Court of Appeals for the Federal Circuit (CAFC), and briefing is now complete. We believe the Delaware

court's decision correctly found that, as a matter of law, the '597 patent is invalid, and we remain confident in the merits of our case on appeal. We believe that the possibility of a material adverse outcome on this matter is remote.

In 2014, the European Patent Office (EPO) granted Idenix's European Patent No. 1 523 489 (the '489 patent), which corresponds to the '600 patent. The same day that the '489 patent was granted, we filed an opposition with the EPO seeking to revoke the '489 patent. An opposition hearing was held in 2016, and the EPO ruled in our favor and revoked the '489 patent. Idenix has appealed. In 2014, Idenix also initiated infringement proceedings against us in Germany and France alleging that the commercialization of Sovaldi would infringe the German and French counterparts of the '489 patent. In 2015, the German court in Düsseldorf determined that the Idenix patent was highly likely to be invalid and stayed the infringement proceedings pending the outcome of the opposition hearing held by the EPO in 2016. Idenix has not appealed this decision of the German court staying the proceedings. Upon Idenix's request, the French proceedings have been stayed.

#### Litigation with Merck & Co. Inc. (Merck)

In 2013, Merck contacted us requesting that we pay royalties on the sales of sofosbuvir and obtain a license to U.S. Patent No. 7,105,499 (the '499 patent) and U.S. Patent No. 8,481,712 (the '712 patent), which it co-owns with Ionis Pharmaceuticals, Inc. The '499 and '712 patents cover compounds which do not include, but may relate to, sofosbuvir. We filed a lawsuit in 2013 in the U.S. District Court for the Northern District of California seeking a declaratory judgment that the Merck patents are invalid and not infringed. Initially, in 2016, a jury determined that we had not established that Merck's patents are invalid and awarded Merck \$200 million in damages. However, in 2016, the court ruled in our favor on our defense of unclean hands and determined that Merck may not recover any damages from us for the '499 and '712 patents.

In 2018, the CAFC affirmed the court's decision on unclean hands. In 2019, the U.S. Supreme Court denied Merck's petition for review. The merits portion of this case is now final.

#### <u>Litigation with the University of Minnesota</u>

The University of Minnesota (the University) has obtained Patent No. 8,815,830 (the '830 patent), which purports to broadly cover nucleosides with antiviral and anticancer activity. In 2016, the University filed a lawsuit against us in the U.S. District Court for the District of Minnesota, alleging that the commercialization of sofosbuvir-containing products infringes the '830 patent. We believe the '830 patent is invalid and will not be infringed by the continued commercialization of sofosbuvir. In 2017, the court granted our motion to transfer the case to California. We have also filed four petitions for inter partes review with the USPTO Patent Trial and Appeal Board (PTAB) alleging that all asserted claims are invalid for anticipation and obviousness. In 2018, the District Court stayed the litigation until after the PTAB rules on our petitions for inter partes review.

#### Litigation Related to Axicabtagene Ciloleucel

In 2017, we acquired Kite, which is now our wholly-owned subsidiary. Through the acquisition, we acquired axicabtagene ciloleucel, a chimeric antigen receptor (CAR) T cell therapy. We received approval from FDA in 2017 for axicabtagene ciloleucel, now known commercially as Yescarta.

We own patents and patent applications that claim axicabtagene ciloleucel chimeric DNA segments. Third parties may have, or may obtain rights to, patents that allegedly could be used to prevent or attempt to prevent us from commercializing axicabtagene ciloleucel or to require us to obtain a license in order to commercialize axicabtagene ciloleucel. For example, we are aware that Juno Therapeutics, Inc. (Juno) has exclusively licensed Patent No. 7,446,190 (the '190 patent), which was issued to Sloan Kettering Cancer Center. In September 2017, Juno and Sloan Kettering Cancer Center filed a lawsuit against Kite in the U.S. District Court for the Central District of California, alleging that the commercialization of axicabtagene ciloleucel infringes the '190 patent. In October 2017, following FDA approval for Yescarta, Juno filed a second complaint alleging that axicabtagene ciloleucel infringes the '190 patent. Juno subsequently moved to dismiss the September 2017 complaint and has maintained the October 2017 complaint. The court has set a trial date of December 2019 for this lawsuit.

We cannot predict the ultimate outcome of intellectual property claims related to axicabtagene ciloleucel. If Juno's patent is upheld as valid and Juno successfully proves infringement of that patent by axicabtagene ciloleucel, we could be required to pay significant monetary damages or we could be prevented from selling Yescarta unless we were able to obtain a license to this patent. Such a license may not be available on commercially reasonable terms or at all.

#### Litigation Related to Bictegravir

In 2018, ViiV Healthcare Company (ViiV) filed a lawsuit against us in the U.S. District Court of Delaware, alleging that the commercialization of bictegravir, now known commercially as Biktarvy, infringes ViiV's U.S. Patent No. 8,129,385 (the '385 patent), which was issued to Shionogi & Co. Ltd. & GlaxoSmithKline LLC. The '385 patent is the compound patent covering ViiV's dolutegravir. Bictegravir is structurally different from dolutegravir, and we believe that bictegravir does not infringe the claims of the '385 patent. To the extent that ViiV's patent claims are interpreted to cover bictegravir, we believe those claims are

invalid. The U.S. Patent and Trademark Office (USPTO) has granted us patents covering bictegravir. The court has set a trial date of September 2020 for this lawsuit.

In 2018, ViiV also filed a lawsuit against us in the Federal Court of Canada, alleging that our activities relating to our bictegravir product have infringed ViiV's Canadian Patent No. 2,606,282 (the '282 patent), which was issued to Shionogi & Co. Ltd. and ViiV. The '282 patent is the compound patent covering ViiV's dolutegravir. We believe that bictegravir does not infringe the claims of the '282 patent. To the extent that ViiV's patent claims are interpreted to cover bictegravir, we believe those claims are invalid.

We cannot predict the ultimate outcome of intellectual property claims related to bictegravir. If ViiV's patents are upheld as valid and ViiV successfully proves infringement of those patents by bictegravir, we could be required to pay significant monetary damages.

#### Litigation with Generic Manufacturers

As part of the approval process for some of our products, FDA granted us a New Chemical Entity (NCE) exclusivity period during which other manufacturers' applications for approval of generic versions of our product will not be approved. Generic manufacturers may challenge the patents protecting products that have been granted NCE exclusivity one year prior to the end of the NCE exclusivity period. Generic manufacturers have sought and may continue to seek FDA approval for a similar or identical drug through an abbreviated new drug application (ANDA), the application form typically used by manufacturers seeking approval of a generic drug. The sale of generic versions of our products earlier than their patent expiration would have a significant negative effect on our revenues and results of operations. To seek approval for a generic version of a product having NCE status, a generic company may submit its ANDA to FDA four years after the branded product's approval.

Current legal proceedings of significance with generic manufacturers include:

#### **HIV Products**

In 2018, we received notice that Strides Pharma Inc. (Strides) submitted an ANDA to FDA requesting permission to manufacture and market a generic version of Truvada. In the notice, Strides alleges that two patents associated with emtricitabine and four patents associated with the emtricitabine and tenofovir disoproxil fumarate fixed-dose combination are invalid, unenforceable and/or will not be infringed by Strides' manufacture, use or sale of a generic version of Truvada. In response, we filed a lawsuit against Strides in the U.S. District Court for the District of New Jersey for infringement of our patents. In 2018, we reached an agreement with Strides to resolve the lawsuit, which has been dismissed. The settlement agreement has been filed with the Federal Trade Commission and Department of Justice as required by law.

In 2018, we received notice that Zydus Pharmaceuticals (USA) Inc. (Zydus) submitted an ANDA to FDA requesting permission to manufacture and market generic versions of Truvada at various dosage strengths. In the notice, Zydus alleges that two patents associated with emtricitabine and four patents associated with the emtricitabine and tenofovir disoproxil fumarate fixed-dose combination are invalid, unenforceable and/or will not be infringed by Zydus' manufacture, use or sale of generic versions of Truvada at various dosage strengths. In response, we filed a lawsuit against Zydus in the U.S. District Court for the District of New Jersey for infringement of our patents.

In 2018, we received notice that Mylan Pharmaceuticals Inc. (Mylan) submitted an ANDA to FDA requesting permission to manufacture and market a generic version of Stribild. In the notice, Mylan alleges that one patent owned by Japan Tobacco Inc. (JT) and associated with elvitegravir is invalid, unenforceable and/or will not be infringed by Mylan's manufacture, use or sale of a generic version of Stribild. In 2019, JT filed a lawsuit against Mylan in the U.S. District Court for the Northern District of West Virginia for infringement of its patent.

#### **HCV Products**

In 2018, we received notices from Natco Pharma Limited (Natco) and Teva Pharmaceuticals (Teva) that they have each submitted an ANDA to FDA requesting permission to manufacture and market a generic version of Sovaldi. In Teva's notice, it alleges that nine patents associated with sofosbuvir are invalid, unenforceable and/or will not be infringed by Teva's manufacture, use or sale of generic versions of Sovaldi. In response, we filed lawsuits against Teva in the U.S. District Court for the District of New Jersey and the U.S. District Court for the District of Delaware for infringement of these patents. In Natco's notice, it alleges that two patents associated with sofosbuvir are invalid, unenforceable and/or will not be infringed by Natco's manufacture, use or sale of generic versions of Sovaldi. Natco did not challenge all patents listed on the Orange Book for Sovaldi. We also filed lawsuits against Natco in the U.S. District Court for the District of Delaware for infringement of these patents. In 2018, we reached an agreement with Teva to resolve the lawsuit, which has been dismissed. The settlement agreement has been filed with the Federal Trade Commission and Department of Justice as required by law.

#### European Patent Claims

In 2015, several parties filed oppositions in the EPO requesting revocation of one of our granted European patents covering sofosbuvir that expires in 2028. In 2016, the EPO upheld the validity of certain claims of our sofosbuvir patent. We have appealed this decision, seeking to restore all of the original claims, and several of the original opposing parties have also appealed, requesting full revocation. The appeal process may take several years.

In 2017, several parties filed oppositions in the EPO requesting revocation of our granted European patent relating to sofosbuvir that expires in 2024. The EPO conducted an oral hearing for this opposition in 2018 and upheld the claims. Two of the original opposing parties have appealed, requesting full revocation. The appeal process may take several years.

In 2016, several parties filed oppositions in the EPO requesting revocation of our granted European patent covering TAF that expires in 2021. In 2017, the EPO upheld the validity of the claims of our TAF patent. Three parties have appealed this decision. The appeal process may take several years.

In 2017, several parties filed oppositions in the EPO requesting revocation of our granted European patent relating to TAF hemifumarate that expires in 2032. We responded to these oppositions, and a hearing was held in February 2019. The patent was upheld at this hearing. The opposing parties may choose to appeal this decision, which could take several years to conclude.

In 2016, three parties filed oppositions in the EPO requesting revocation of our granted European patent covering cobicistat that expires in 2027. In 2017, the EPO upheld the validity of the claims of our cobicistat patent. One of the original opposing parties has appealed this decision. The appeal process may take several years.

While we are confident in the strength of our patents, we cannot predict the ultimate outcome of these oppositions. If we are unsuccessful in defending these oppositions, some or all of our patent claims may be narrowed or revoked and the patent protection for sofosbuvir, TAF and cobicistat in the European Union could be substantially shortened or eliminated entirely. If our patents are revoked, and no other European patents are granted covering these compounds, our exclusivity may be based entirely on regulatory exclusivity granted by the European Medicines Agency. Sovaldi has been granted regulatory exclusivity that will prevent generic sofosbuvir from entering the European Union for 10 years following approval of Sovaldi, or January 2024. If we lose patent protection for sofosbuvir prior to 2028, our revenues and results of operations could be negatively impacted for the years including and succeeding the year in which such exclusivity is lost, which may cause our stock price to decline.

#### Government Investigations and Related Litigation

In 2011, we received a subpoena from the U.S. Attorney's Office for the Northern District of California requesting documents related to the manufacture, and related quality and distribution practices, of Complera, Atripla, Truvada, Viread, Emtriva, Hepsera and Letairis. We cooperated with the government's inquiry. In 2014, the U.S. Department of Justice informed us that, following an investigation, it declined to intervene in a False Claims Act lawsuit filed by two former employees. Also in 2014, the former employees served a First Amended Complaint, and the U.S. District Court for the Northern District of California issued an order granting in its entirety, without prejudice, our motion to dismiss the First Amended Complaint. In 2015, the plaintiffs filed a Second Amended Complaint, and the District Court issued an order granting our motion to dismiss the Second Amended Complaint. The plaintiffs then filed a notice of appeal in the U.S. Court of Appeals for the Ninth Circuit. In 2017, the Ninth Circuit granted our motion to stay the case pending an appeal to the U.S. Supreme Court, and we filed a Petition for a Writ of Certiorari to the U.S. Supreme Court. In 2018, the Solicitor General submitted a brief for the United States to the Supreme Court stating its intention to file a motion to dismiss under the federal False Claims Act. In January 2019, the Supreme Court denied the Petition and the case has been remanded to the District Court.

In 2016, we received a subpoena from the U.S. Attorney's Office for the District of Massachusetts requesting documents related to our support of 501(c) (3) organizations that provide financial assistance to patients and documents concerning our provision of financial assistance to patients for our HCV products. We are cooperating with this inquiry. In 2017, we received a subpoena from the U.S. Attorney's Office for the District of Massachusetts requesting documents related to our copay coupon program and Medicaid price reporting methodology. We are cooperating with this inquiry.

In 2017, we received a voluntary request for information from the U.S. Attorney's Office for the Eastern District of Pennsylvania requesting information related to our reimbursement support offerings, clinical education programs and interactions with specialty pharmacies for Sovaldi and Harvoni. In 2018, we received another voluntary request for information related to our speaker programs and advisory boards for our HCV and hepatitis B virus (HBV) products. We are cooperating with these voluntary requests.

In 2017, we received a subpoena from the California Department of Insurance and the Alameda County District Attorney's Office requesting documents related to our marketing activities, reimbursement support offerings, clinical education programs and interactions with specialty pharmacies for Harvoni and Sovaldi. We are cooperating with this inquiry.

In 2017, we received a subpoena from the U.S. Department of Health and Human Services requesting documents related to our Frontlines of Communities in the United States (FOCUS) program. We cooperated with the inquiry, and in February 2019, the government informed us that it declined to intervene in the False Claims Act qui tam lawsuit related to the inquiry.

In 2017, we also received a subpoena from the U.S. Attorney's Office for the Southern District of New York requesting documents related to our promotional speaker programs for HIV. We are cooperating with this inquiry.

#### Products Liability

In 2018, plaintiffs filed a purported mass action against us in the U.S. District Court for the Northern District of California (the Holley action). Plaintiffs alleged that they suffered kidney and/or bone injuries as a result of using Viread, Truvada, Atripla, Complera and/or Stribild, and alleged that: (1) we should have altered the design of these medications by replacing one of their active ingredients, tenofovir disoproxil fumarate (TDF), with an allegedly superior ingredient, tenofovir alafenamide fumarate, and/or by reducing the dose of TDF in Stribild; and (2) we failed to adequately warn plaintiffs or their physicians about kidney and bone risks from Viread, Truvada, Atripla, Complera and Stribild and the need to monitor patients for those risks. Based on those allegations, plaintiffs asserted claims for products liability, negligence, fraud, breach of warranty and violations of state consumer protection laws. Plaintiffs eek compensatory, statutory and punitive damages and restitution. Four other federal lawsuits are pending in the U.S. District Court for the Central District of California (the Dechow action), the U.S. District Court for the Middle District of Louisiana (the Hills action), the U.S. District Court for the Western District of Louisiana (the Pierot action) and the U.S. District Court for the Northern District of California (the Dowdy action) based on allegations similar to those raised in the Holley action.

In addition to the five pending federal actions, there are three lawsuits based on plaintiffs' allegations similar to those raised in the Holley action, pending in California state court (the Lujano, Martinez and Grim actions).

We filed motions to dismiss in the Holley, Dowdy, Hills, Pierot and Lujano actions. The motion to dismiss in the Lujano action was granted as to plaintiffs' strict products liability claim but denied as to the remaining claims. The other motions to dismiss remain pending. We also plan to file motions to dismiss in the Dechow, Martinez and Grim actions. We intend to vigorously defend ourselves in these actions. While we believe these cases are without merit, we cannot predict the ultimate outcome. If plaintiffs are successful in their claims, we could be required to pay significant monetary damages.

#### Other Matters

We are a party to various legal actions that arose in the ordinary course of our business. We do not believe that these other legal actions will have a material adverse impact on our consolidated business, financial position or results of operations.

#### **Other Commitments**

In the normal course of business, we enter into various firm purchase commitments primarily related to active pharmaceutical ingredients and certain inventory related items. As of December 31, 2018, these commitments for the next five years were approximately \$503 million in 2019, \$54 million in 2020, \$51 million in 2021, \$30 million in 2022 and \$27 million in 2023. The amounts related to active pharmaceutical ingredients represent minimum purchase commitments. Actual payments for the purchases related to active pharmaceutical ingredients and certain inventory related items were \$1.0 billion in 2018, \$1.7 billion in 2017 and \$2.0 billion in 2016.

#### 14. STOCKHOLDERS' EQUITY

#### **Stock Repurchase Programs**

In the first quarter of 2016, our Board of Directors authorized a \$12.0 billion stock repurchase program (2016 Program) under which repurchases may be made in the open market or in privately negotiated transactions. The 2016 Program commenced in April 2016 after the \$15.0 billion stock repurchase program authorized by our Board of Directors in January 2015 (2015 Program) was completed. As of December 31, 2018, the remaining authorized repurchase amount under the 2016 Program was \$5.1 billion.

The following table summarizes our stock repurchases under the above-described programs (in millions, except per share data):

 Year ended December 31,				
 <b>2018</b> (1) <b>2017</b> (1)			<b>2016</b> (2)	
 40		13		123
\$ 2,900	\$	954	\$	11,001
\$ 72.95	\$	71.79	\$	89.15
\$ \$	\$ 2,900	2018 (1) 40 \$ 2,900 \$	2018 (1)         2017 (1)           40         13           \$ 2,900         \$ 954	2018 (1)         2017 (1)           40         13           \$ 2,900         \$ 954

#### Notes:

- (1) All repurchases were under the 2016 Program.
- (2) Includes 36 million shares repurchased for \$3.0 billion under the 2016 Program and 87 million shares repurchased for \$8.0 billion under the 2015 Program.

In addition to repurchases from our stock repurchase programs, we repurchased shares of common stock withheld by us from employee restricted stock awards to satisfy our applicable tax withholding obligations, which are immaterial and excluded from the table above.

We use the par value method of accounting for our stock repurchases. Under the par value method, common stock is first charged with the par value of the shares involved. The excess of the cost of shares acquired over the par value is allocated to APIC based on an estimated average sales price per issued share with the excess amounts charged to retained earnings.

The following table summarizes the reduction of common stock and APIC and the charge to retained earnings as a result of our stock repurchases (in millions):

	Year ended December 31,							
	2018			2017		2016		
Reduction of common stock and APIC	\$	112	\$	34	\$	302		
Charge to retained earnings		2,940	\$	1,028	\$	10,883		

#### **Dividends**

The following table summarizes cash dividends declared on our common stock (in millions, except per share data):

	20	018	20	17
	Dividend Per Share	Amount	Dividend Per Share	Amount
First quarter	\$ 0.57	\$ 752	\$ 0.52	\$ 685
Second quarter	0.57	747	0.52	685
Third quarter	0.57	746	0.52	685
Fourth quarter	0.57	741	0.52	687
Total	\$ 2.28	\$ 2,986	\$ 2.08	\$ 2,742

Our restricted stock and performance-based stock units have dividend equivalent rights entitling holders to dividend equivalents to be paid upon vesting for each share of the underlying units.

On February 4, 2019, we announced that our Board of Directors declared a quarterly cash dividend of \$0.63 per share of our common stock, with a payment date of March 28, 2019 to all stockholders of record as of the close of business on March 15, 2019. Future dividends are subject to declaration by the Board of Directors.

#### **Preferred Stock**

We have 5 million shares of authorized preferred stock issuable in series. Our Board is authorized to determine the designation, powers, preferences and rights of any such series. There was no preferred stock outstanding as of December 31, 2018 and 2017.

#### Accumulated Other Comprehensive Income (Loss)

The following table summarizes the changes in AOCI by component, net of tax (in millions):

	 n Currency	an Avai	ealized Gains d Losses on ilable-for-Sale Securities	aı	realized Gains nd Losses on h Flow Hedges	Total
Balance at December 31, 2016	\$ 132	\$	(16)	\$	162	\$ 278
Other comprehensive income (loss) before reclassifications	(47)		218		(304)	(133)
Amounts reclassified from accumulated other comprehensive income	_		(8)		28	20
Net current period other comprehensive income (loss)	(47)		210		(276)	(113)
Balance at December 31, 2017	\$ 85	\$	194	\$	(114)	\$ 165
Reclassifications to retained earnings as a result of the adoption of new accounting standards			(293)		_	(293)
Balance at January 1, 2018	\$ 85	\$	(99)	\$	(114)	\$ (128)
Net unrealized gain (loss)	(38)		43		112	117
Reclassifications to net income	 		4		87	 91
Net current period other comprehensive income (loss)	(38)		47		199	208
Balance at December 31, 2018	\$ 47	\$	(52)	\$	85	\$ 80

The amounts reclassified to net income for gains and losses on cash flow hedges are recorded as part of Product sales on our Consolidated Statements of Income. See Note 5, Derivative Financial Instruments, for additional information. The amounts reclassified to net income for gains and losses on available-for-sale debt securities are recorded as part of Other income (expense), net, on our Consolidated Statements of Income.

#### 15. EMPLOYEE BENEFITS

We provide share based compensation in the form of various types of equity-based awards, including restricted stock units (RSUs), performance-based restricted stock units (PSUs) and stock options. Compensation expense is recognized on the Consolidated Statements of Income based on the estimated fair value of the award on the grant date. The estimated fair value of RSUs is based on the closing price of our common stock. For PSUs, estimated fair value is based on either the Monte Carlo valuation methodology or the stock price on the date of grant. For stock option awards, estimated fair value is based on the Black-Scholes option valuation model.

#### 2004 Equity Incentive Plan

In May 2004, our stockholders approved and we adopted the Gilead Sciences, Inc. 2004 Equity Incentive Plan (as amended, the 2004 Plan). The 2004 Plan is a broad based incentive plan that provides for the grant of equity-based awards, including stock options, restricted stock units, restricted stock awards and performance awards, to employees, directors and consultants. The 2004 Plan authorized the issuance of a total of 309 million shares of common stock. As of December 31, 2018, a total of 91 million shares remain available for future grant under the 2004 Plan.

#### Stock Options

The 2004 Plan provides for option grants designated as either non-qualified or incentive stock options. Prior to January 1, 2006, we granted both non-qualified and incentive stock options, but all stock options granted after January 1, 2006 have been non-qualified stock options. Under the 2004 Plan, employee stock options granted prior to 2011 generally vest over five years and stock options granted starting in 2011 generally vest over three or four years. All options are exercisable over a period not to exceed the contractual term of ten years from the date the stock options are issued and are granted at prices not less than the fair market value of our common stock on the grant date. Stock option exercises are settled with common stock from the 2004 Plan's previously authorized and available pool of shares.

The following table summarizes activity and related information under our stock option plans. All option grants presented in the table had exercise prices not less than the fair value of the underlying common stock on the grant date:

	Shares (in thousands)	Weighted- Average Exercise Price (in dollars)	Weighted-Average Remaining Contractual Term (Years)	Aggregate Intrinsic Value (in millions)
Outstanding at December 31, 2017	30,220	\$ 43.93		
Granted	3,659	\$ 79.49		
Forfeited	(1,943)	\$ 70.23		
Expired	(284)	\$ 71.09		
Exercised	(8,128)	\$ 24.16		
Outstanding at December 31, 2018	23,524	\$ 53.80	5.63	\$ 417
Exercisable at December 31, 2018	15,521	\$ 45.67	4.21	\$ 372
Expected to vest, net of estimated forfeitures at December 31, 2018	7,629	\$ 69.34	8.37	\$ 43

Aggregate intrinsic value represents the value of our closing stock price on the last trading day of the year in excess of the weighted-average exercise price multiplied by the number of options outstanding or exercisable. Total intrinsic value of options exercised was \$412 million for 2018, \$337 million for 2017 and \$452 million for 2016.

The weighted-average grant date fair value of the stock options granted was \$17.03 per share for 2018, \$38.78 per share for 2017 and \$20.04 per share for 2016. The weighted-average grant date fair value of stock options granted in 2017 was higher due to replacement awards granted in connection with our acquisitions of Kite and Cell Design Labs.

As of December 31, 2018, there was \$173 million of unrecognized compensation cost related to stock options, which is expected to be recognized over an estimated weighted-average period of 2.4 years.

#### Performance-Based Restricted Stock Units

Under the 2004 Plan, we grant PSUs which vest upon the achievement of specified market or performance goals, which could include achieving a total shareholder return compared to a pre-determined peer group or achieving revenue targets. The actual number of common shares ultimately issued is calculated by multiplying the number of PSUs by a payout percentage ranging from 0% to 200%, and these awards generally vest only when a committee (or subcommittee) of our Board has determined that the specified market and performance goals have been achieved. The fair value of each PSU is estimated at the date of grant or when performance objectives are defined for the grants. Depending on the terms of the award, fair value on the date of grant is determined based on either the Monte Carlo valuation methodology or the closing stock price on the date of grant.

In addition, we have also granted other PSUs to certain of our employees under the 2004 Plan. The vesting of these awards is subject to the achievement of specified individual performance goals, typically within a one year period. The fair value of such an award is equal to the closing price of our common stock on the grant date.

The following table summarizes activity and related information for our PSUs:

	Shares (1) (in thousands)	Gra	Weighted- Average nt Date Fair Value Per Share (1) (in dollars)
Outstanding at December 31, 2017	757	\$	82.80
Granted	452	\$	88.76
Vested	(228)	\$	83.75
Forfeited	(149)	\$	103.80
Outstanding at December 31, 2018	832	\$	82.42

Note:

The weighted-average grant date fair value of our PSUs granted was \$88.76 per share for 2018, \$74.42 per share for 2017 and \$71.60 per share for 2016. The total grant date fair value of our vested PSUs was \$19 million for 2018, \$4 million for 2017

Weighted-average grant-date fair value per share excludes shares related to grants that currently have no grant date as the performance objectives have not yet been defined.

and \$33 million for 2016, and total fair value as of the respective vesting dates was \$18 million for 2018, \$3 million for 2017 and \$45 million for 2016.

We recognized stock-based compensation expenses of \$31 million in 2018, \$24 million in 2017 and \$20 million in 2016 related to these PSUs. As of December 31, 2018, there was \$33 million of unrecognized compensation costs related to these PSUs, which is expected to be recognized over an estimated weighted-average period of 1.1 years.

#### Restricted Stock Units

We grant time-based RSUs to certain employees as part of our annual employee equity compensation review program as well as to new hire employees and to non-employee members of our Board. RSUs are share awards that entitle the holder to receive freely tradable shares of our common stock upon vesting. RSUs generally yest over three or four years from the date of grant.

The fair value of an RSU is equal to the closing price of our common stock on the grant date. The following table summarizes our RSU activities and related information:

Weighted

	Shares (in thousands)	Weignted Average Grant Date Fair Share (in dollar	e Value Per
Outstanding at December 31, 2017	15,005	\$	79.37
Granted	7,196	\$	77.98
Vested	(5,619)	\$	82.22
Forfeited	(1,688)	\$	78.48
Outstanding at December 31, 2018	14,894	\$	77.72

The weighted-average grant date fair value of RSUs granted was \$77.98 per share for 2018, \$73.56 per share for 2017, and \$84.51 per share for 2016. The total grant date fair value of our vested RSUs was \$462 million for 2018, \$325 million for 2017 and \$284 million for 2016, and total fair value as of the respective vesting dates was \$428 million for 2018, \$285 million for 2017 and \$408 million for 2016.

As of December 31, 2018, there was \$789 million of unrecognized compensation cost related to unvested RSUs which is expected to be recognized over a weighted-average period of 2.4 years.

#### **Employee Stock Purchase Plan**

Under our Employee Stock Purchase Plan and the International Employee Stock Purchase Plan (together, as amended, the ESPP), employees can purchase shares of our common stock based on a percentage of their compensation subject to certain limits. The purchase price per share is equal to the lower of 85% of the fair market value of our common stock on the offering date or the purchase date. Prior to 2016, the ESPP offered a two-year look-back feature as well as an automatic reset feature that provides for an offering period to be reset to a new lower-priced offering if the offering price of the new offering period is less than that of the current offering period. Beginning in the first quarter of 2016, the look-back feature for ESPP offering periods became six-months. ESPP purchases are settled with common stock from the ESPP's previously authorized and available pool of shares. During 2018, 2 million shares were issued under the ESPP for \$91 million. A total of 79 million shares of common stock have been authorized for issuance under the ESPP, and there were 10 million shares available for issuance under the ESPP as of December 31, 2018.

#### **Stock-Based Compensation**

The following table summarizes total stock-based compensation expenses included on our Consolidated Statements of Income (in millions):

	Year Ended December 31,						
	2018	3		2017		2016	
Cost of goods sold	\$	61	\$	24	\$	14	
Research and development expenses		379		232		176	
Selling, general and administrative expenses		405		393		190	
Stock-based compensation expense included in total costs and expenses		845		649		380	
Income tax effect		(164)		(280)		(104)	
Stock-based compensation expense, net of tax	\$	681	\$	369	\$	276	

Stock-based compensation is recognized as expense over the requisite service periods on our Consolidated Statements of Income using the straight-line expense attribution approach, reduced for estimated forfeitures. We estimate forfeitures based on our historical experience.

#### Valuation Assumptions

Fair value of options granted under our 2004 Plan and purchases under our ESPP were estimated at grant or purchase dates using a Black-Scholes option valuation model. The Black-Scholes option valuation model was developed for use in estimating the fair value of traded options, which have no vesting restrictions and are fully transferable. In addition, option valuation models require the input of highly subjective assumptions, including expected stock price volatility and expected award life. We used the following assumptions to calculate the estimated fair value of the awards:

	Year	Year Ended December 31,				
	2018	2017	2016			
Expected volatility:						
Stock options	28%	28%	30%			
ESPP	28%	28%	30%			
Expected term in years:						
Stock options	5.2	4.6	5.5			
ESPP	0.5	0.5	0.5			
Risk-free interest rate:						
Stock options	2.5%	2.1%	1.4%			
ESPP	2.6%	1.8%	1.1%			
Expected dividend yield	2.8%	2.7%	1.9%			

The fair value of stock options granted was calculated using the single option approach. We use a blend of historical volatility along with implied volatility for traded options on our common stock to determine our expected volatility. The expected term of stock-based awards represents the weighted-average period the awards are expected to remain outstanding. We estimate the weighted-average expected term based on historical cancellation and historical exercise data related to our stock options as well as the contractual term and vesting terms of the awards. The risk-free interest rate is based upon observed interest rates appropriate for the term of the stock-based awards. The dividend yield is based on our history and expectation of dividend payouts.

#### **Deferred Compensation**

We maintain a retirement saving plan under which eligible U.S. employees may defer compensation for income tax purposes under Section 401(k) of the Internal Revenue Code (the Gilead Sciences 401k Plan). In certain foreign subsidiaries, we maintain defined benefit plans as required by local regulatory requirements. Our total matching contribution expense under the Gilead Sciences 401k Plan and other defined benefit plans was \$91 million during 2018, \$74 million during 2017 and \$69 million during 2016.

We maintain a deferred compensation plan under which our directors and key employees may defer compensation. Amounts deferred by participants are deposited into a rabbi trust. The total assets and liabilities associated with the deferred compensation plan were \$124 million as of December 31, 2018 and \$116 million as of December 31, 2017.

### 16. NET INCOME PER SHARE ATTRIBUTABLE TO GILEAD COMMON STOCKHOLDERS

Basic net income per share attributable to Gilead common stockholders is calculated based on the weighted-average number of shares of our common stock outstanding during the period. Diluted net income per share attributable to Gilead common stockholders is calculated based on the weighted-average number of shares of our common stock outstanding and other dilutive securities outstanding during the period. The potentially dilutive shares of our common stock resulting from the assumed exercise of outstanding stock options and equivalents, the assumed conversion of our outstanding Convertible Notes and the assumed exercise of the warrants related to our outstanding Convertible Notes were determined under the treasury stock method. Both the Convertible Notes and the associated warrants were settled in 2016.

We excluded stock options and equivalents of approximately 13 million, 11 million and 3 million weighted-average shares of our common stock that were outstanding during 2018, 2017 and 2016, respectively, in the computation of diluted net income per share attributable to Gilead common stockholders because their effect was antidilutive.

The following table shows the calculation of basic and diluted net income per share attributable to Gilead common stockholders (in millions except per share amounts):

	Year Ended December 31,					
		2018		2017		2016
Net income attributable to Gilead	\$	5,455	\$	4,628	\$	13,501
Shares used in per share calculation - basic	-	1,298		1,307		1,339
Effect of dilutive securities:						
Stock options and equivalents		10		12		13
Conversion spread related to the Convertible Notes		_		_		2
Warrants related to the Convertible Notes		_		_		4
Shares used in per share calculation - diluted	1,308		1,319		1,358	
Net income per share attributable to Gilead common stockholders - basic	\$	4.20	\$	3.54	\$	10.08
Net income per share attributable to Gilead common stockholders - diluted	\$	4.17	\$	3.51	\$	9.94

#### 17. SEGMENT INFORMATION

We have one operating segment, which primarily focuses on the discovery, development and commercialization of innovative medicines in areas of unmet medical need. Therefore, our results of operations are reported on a consolidated basis consistent with internal management reporting reviewed by our chief operating decision maker, who is our chief executive officer or interim chief executive officer. See Note 2, Revenues, for a summary of disaggregated revenues by product and geographic region.

#### Revenues From Major Customers

The following table summarizes revenues from each of our customers who individually accounted for 10% or more of our total revenues (as a percentage of total revenues):

	<u> </u>	Year Ended December 31,				
	2018	2017	2016			
AmerisourceBergen Corp.	20%	20%	18%			
Cardinal Health, Inc.	21%	19%	16%			
McKesson Corp.	21%	23%	22%			

### Long-Lived Assets

The net book value of our property, plant and equipment (less office and computer equipment) in the United States was \$3.2 billion as of December 31, 2018, \$2.6 billion as of December 31, 2017 and \$2.2 billion as of December 31, 2016. The corresponding amount in international locations was \$620 million as of December 31, 2018, \$520 million as of December 31, 2017 and \$430 million as of December 31, 2016. All individual international locations accounted for less than ten percent of the total balances.

#### 18. INCOME TAXES

Income before provision for income taxes consists of the following (in millions):

	 Year Ended December 31,						
	 2018		2017		2016		
Domestic	\$ 7,074	\$	8,099	\$	7,646		
Foreign	725		5,430		9,451		
Total income before provision for income taxes	\$ 7,799	\$	13,529	\$	17,097		

The provision for income taxes consists of the following (in millions):

		Year Ended December 31,				
		2018		2017		2016
				_		
	\$	1,716	\$	8,817	\$	3,351
		324		(123)		(85)
		2,040		8,694		3,266
		,				
		162		97		131
		(17)		(20)		28
		145		77		159
		,				
		175		54		261
		(21)		60		(77)
	<u> </u>	154		114		184
ome taxes	\$	2,339	\$	8,885	\$	3,609

The 2018 provision for income taxes included a \$588 million deferred tax charge on previously acquired intangible assets resulting from a transfer of these assets between wholly owned subsidiaries. The 2017 provision for income taxes included a \$5.5 billion provisional charge to income tax expense related to Tax Reform enacted in December 2017.

On December 22, 2017, Tax Reform was signed into law making significant changes to the Internal Revenue Code of 1986, as amended. Changes include, but are not limited to, a corporate tax rate decrease from 35% to 21% effective for tax years beginning after December 31, 2017, a repatriation tax on deemed repatriated earnings of foreign subsidiaries, implementation of a modified territorial tax system, which has the effect of subjecting earnings of our foreign subsidiaries to U.S. taxation on Global Intangible Low-Taxed Income (GILTI). As a result, we recorded a provisional charge to income tax expense of \$5.5 billion in December 2017, which included a provisional \$308 million deferred tax benefit related to the re-measurement of certain deferred tax assets and liabilities and a \$5.8 billion provisional charge related to the transition tax on the mandatory deemed repatriation of accumulated foreign earnings.

The accounting for the income tax effects of Tax Reform was completed in accordance with SAB 118 in 2018 and as a result, we recorded a \$4 million net tax charge to our income tax provision primarily relating to the deferred tax revaluation partially offset by the refinement to the provisional estimate of transition tax.

As of December 31, 2017, the accrued federal liability for transition tax was \$6.1 billion, which was payable over an eight year period. As of December 31, 2018, the accrued federal liability for transition tax was \$4.6 billion, which was included in Long-term income taxes payable on our Consolidated Balance Sheets. The decrease of \$1.5 billion was primarily due to \$1.3 billion of payments in 2018 and \$174 million of refinements to the provisional estimate.

For the year ended December 31, 2018, we repatriated \$30.4 billion of cash, cash equivalents and marketable securities to our parent company headquartered in the United States. Prior to the enactment of Tax Reform, these earnings were considered indefinitely reinvested and no U.S. taxes had been provided. In 2017 U.S. taxes have been provided on these earnings through the accrual of the transition tax.

Additionally, we completed our evaluation of the accounting policy election required with regard to the tax on GILTI. The FASB allows companies to adopt a policy election to account for the tax on GILTI under one of two methods: (i) account for the tax on GILTI as a component of tax expense in the period in which the tax is incurred (the period cost method), or (ii) account for the tax on GILTI in a company's measurement of deferred taxes (the deferred method). We have elected to account for the tax on GILTI under the period cost method.

The reconciliation between the federal statutory tax rate applied to income before taxes and our effective tax rate is summarized as follows:

	Year Ended December 31,				
	2018	2017	2016		
Federal statutory rate	21.0 %	35.0 %	35.0 %		
State taxes, net of federal benefit	0.6 %	0.1 %	0.7 %		
Foreign earnings at different rates	(0.9)%	(11.2)%	(16.0)%		
Research and other credits	(1.1)%	(0.6)%	(0.7)%		
US tax on foreign earnings	2.1 %	1.2 %	0.7 %		
Deferred tax charge on acquired intangibles	7.5 %	— %	<u> </u>		
Transition tax	(0.7)%	42.9 %	<u> </u>		
Deferred tax revaluation	0.8 %	(2.3)%	<u> </u>		
Settlement of tax examinations	(1.9)%	<u> </u>	<u> </u>		
Other	2.6 %	0.6 %	1.4 %		
Effective tax rate	30.0 %	65.7 %	21.1 %		

Deferred income taxes reflect the net tax effects of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for income tax purposes. Significant components of our deferred tax assets and liabilities are as follows (in millions):

	December 31,			
		2018		2017
Deferred tax assets:				
Net operating loss carryforwards	\$	344	\$	322
Stock-based compensation		163		165
Reserves and accruals not currently deductible		426		336
Deferred revenue		_		27
Depreciation related	61			56
Research and other credit carry forwards		363		293
Other, net		183		102
Total deferred tax assets before valuation allowance		1,540		1,301
Valuation allowance		(331)		(162)
Total deferred tax assets		1,209		1,139
Deferred tax liabilities:				
Intangibles		(1,667)		(1,316)
Other		(80)		(70)
Total deferred tax liabilities		(1,747)		(1,386)
Net deferred tax assets (liabilities)	\$	(538)	\$	(247)

The valuation allowance was \$331 million and \$162 million at December 31, 2018 and 2017, respectively. The increase of our valuation allowance in 2018 was primarily related to certain Kite tax attributes and certain foreign jurisdictions, which do not have sufficient history of profit to realize the benefit of the losses on a more-likely-than-not basis.

At December 31, 2018, we had U.S. federal net operating loss carryforwards of approximately \$494 million. The federal net operating loss carryforwards will start to expire in 2021, if not utilized. We also had federal tax credit carryforwards of approximately \$179 million which will start to expire in 2020, if not utilized. In addition, we had state net operating loss and tax credit carryforwards of approximately \$1.5 billion and \$414 million, respectively. The state net operating loss and tax credit carryforwards will start to expire in 2019 if not utilized.

Utilization of net operating losses and tax credits may be subject to an annual limitation due to ownership change limitations provided in the Internal Revenue Code of 1986, as amended, and similar state provisions. This annual limitation may result in the expiration of the net operating losses and credits before utilization.

We file federal, state and foreign income tax returns in the United States and in many foreign jurisdictions. For federal income tax purposes, the statute of limitations is open for 2013 and onwards and 2010 and onwards for California income tax purposes. For certain acquired entities, the statute of limitations is open for all years from inception due to our utilization of their net operating losses and credits carried over from prior years.

Our income tax returns are subject to audit by federal, state and foreign tax authorities. We are currently under examination by the IRS for the tax years from 2013 to 2015 and by various state and foreign jurisdictions. There are differing interpretations of tax laws and regulations, and as a result, significant disputes may arise with these tax authorities involving issues of the timing and amount of deductions and allocations of income among various tax jurisdictions. We periodically evaluate our exposures associated with our tax filing positions.

Of the total unrecognized tax benefits, \$1.3 billion and \$1.8 billion at December 31, 2018 and 2017, if recognized, would reduce our effective tax rate in the period of recognition. We include interest and penalties related to unrecognized tax benefits as part of Provision for income taxes on our Consolidated Statements of Income. We had accrued interest and penalties related to unrecognized tax benefits of \$154 million and \$112 million at December 31, 2018 and 2017, respectively.

As of December 31, 2018, we believe that it is reasonably possible that our unrecognized tax benefits will decrease by approximately \$100 million in the next 12 months due to potential settlements with taxing authorities.

The following is a rollforward of our total gross unrecognized tax benefits (in millions):

 December 31,				
2018	2017	2016		
\$ 2,181	\$ 1,852	\$ 1,350		
64	299	522		
_	_	_		
125	67	33		
_	(16)	(3)		
(774)	(12)	(49)		
(1)	(9)	(1)		
\$ 1,595	\$ 2,181	\$ 1,852		
\$ \$	\$ 2,181 64 — 125 — (774) (1)	2018     2017       \$ 2,181     \$ 1,852       64     299       —     —       125     67       —     (16)       (774)     (12)       (1)     (9)		

## SELECTED QUARTERLY FINANCIAL INFORMATION (UNAUDITED)

The following amounts are in millions, except per share amounts:

	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
2018								
Total revenues	\$	5,088	\$	5,648	\$	5,596	\$	5,795
Gross profit on product sales	\$	4,000	\$	4,344	\$	4,369	\$	4,111
Net income ⁽¹⁾	\$	1,539	\$	1,819	\$	2,099	\$	3
Net income attributable to Gilead ⁽¹⁾	\$	1,538	\$	1,817	\$	2,097	\$	3
Net income per share attributable to Gilead common stockholders - basic ⁽²⁾	\$	1.18	\$	1.40	\$	1.62	\$	_
Net income per share attributable to Gilead common stockholders - diluted(2)	\$	1.17	\$	1.39	\$	1.60	\$	_
2017								
Total revenues	\$	6,505	\$	7,141	\$	6,512	\$	5,949
Gross profit on product sales	\$	5,420	\$	5,920	\$	5,370	\$	4,581
Net income (loss) ⁽³⁾	\$	2,699	\$	3,069	\$	2,712	\$	(3,836)
Net income (loss) attributable to Gilead ⁽³⁾	\$	2,702	\$	3,073	\$	2,718	\$	(3,865)
Net income (loss) per share attributable to Gilead common stockholders - basic ⁽³⁾	\$	2.07	\$	2.35	\$	2.08	\$	(2.96)
Net income (loss) per share attributable to Gilead common stockholders - diluted(3)	\$	2.05	\$	2.33	\$	2.06	\$	(2.96)

_____

#### Notes:

⁽¹⁾ Amounts for the fourth quarter of 2018 included \$820 million and \$588 million from an impairment and a non-cash tax charge related to intangible assets acquired from Kite Pharma, Inc., respectively, and inventory reserves of \$410 million for excess raw materials primarily due to a sustained decrease in demand for Harvoni. See Note 7, Inventories, Note 9, Intangible Assets and Note 18, Income Taxes, of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional details.

⁽²⁾ Amounts for the fourth quarter of 2018 included an unfavorable impact of \$1.31 per basic share and \$1.30 per diluted share from the factors noted above.

⁽³⁾ In December 2017, we recorded a \$5.5 billion net charge, or \$4.20 per basic share and \$4.16 per diluted share, related to the enactment of the Tax Cuts and Jobs Act. See Note 18, Income Taxes of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional details.

## GILEAD SCIENCES, INC.

# Schedule II: Valuation and Qualifying Accounts (in millions)

	Beg	Balance at Beginning of Period		Additions/Charged to Expense		Deductions		ance at End of Period
Year ended December 31, 2018:	<u></u>							
Accounts receivable allowances(1)	\$	455	\$	7,572	\$	7,444	\$	583
Sales return allowance	\$	162	\$	85	\$	88	\$	159
Valuation allowances for deferred tax assets	\$	162	170	\$	1	\$	331	
Year ended December 31, 2017:								
Accounts receivable allowances(1)	\$	763	\$	7,682	\$	7,990	\$	455
Sales return allowance	\$	195	\$	23	\$	56	\$	162
Valuation allowances for deferred tax assets	\$	126	\$	72	\$	36	\$	162
Year ended December 31, 2016:								
Accounts receivable allowances(1)	\$	1,032	\$	9,287	\$	9,556	\$	763
Sales return allowance	\$	371	\$	(141)	\$	35	\$	195
Valuation allowances for deferred tax assets	\$		\$	120	\$	_	\$	126

Notes:

⁽¹⁾ Allowances are for doubtful accounts, cash discounts and chargebacks.

#### ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

Not applicable.

#### ITEM 9A. CONTROLS AND PROCEDURES

#### (a) Evaluation of Disclosure Controls and Procedures

An evaluation as of December 31, 2018 was carried out under the supervision and with the participation of our management, including our interim Chief Executive Officer and Chief Financial Officer, of the effectiveness of our "disclosure controls and procedures," which are defined in Rule 13a-15(e) under the Securities Exchange Act of 1934, as amended (the Exchange Act), as controls and other procedures of a company that are designed to ensure that the information required to be disclosed by a company in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the Securities and Exchange Commission's rules and forms, and that such information is accumulated and communicated to the company's management, including its interim Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure. Based upon that evaluation, our interim Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were effective at December 31, 2018.

#### (b) Management's Report on Internal Control over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Rule 13a-15(f) of the Exchange Act. Our internal control system is designed to provide reasonable assurance regarding the preparation and fair presentation of financial statements for external purposes in accordance with generally accepted accounting principles. All internal control systems, no matter how well designed, have inherent limitations and can provide only reasonable assurance that the objectives of the internal control system are met.

Under the supervision and with the participation of our management, including our interim Chief Executive Officer and Chief Financial Officer, we conducted an evaluation of the effectiveness of our internal control over financial reporting, based on criteria established by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in its 2013 Internal Control-Integrated Framework. Based on our evaluation, we concluded that our internal control over financial reporting was effective as of December 31, 2018.

Our independent registered public accounting firm, Ernst & Young LLP, has audited our Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K and have issued a report on our internal control over financial reporting as of December 31, 2018. Their report on the audit of internal control over financial reporting appears below.

#### (c) Changes in Internal Control over Financial Reporting

Our management, including our interim Chief Executive Officer and Chief Financial Officer, has evaluated any changes in our internal control over financial reporting that occurred during the quarter ended December 31, 2018, and has concluded that there was no change during such quarter that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

#### REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Shareholders and the Board of Directors of Gilead Sciences, Inc.

#### Opinion on Internal Control over Financial Reporting

We have audited Gilead Sciences, Inc.'s internal control over financial reporting as of December 31, 2018, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) (the COSO criteria). In our opinion, Gilead Sciences, Inc. (the Company) maintained, in all material respects, effective internal control over financial reporting as of December 31, 2018, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated balance sheets of the Company as of December 31, 2018 and 2017, the related consolidated statements of income, comprehensive income, stockholders' equity and cash flows for each of the three years in the period ended December 31, 2018, and the related notes and financial statement schedule listed in the Index at Item 15(a) and our report dated February 25, 2019 expressed an unqualified opinion thereon.

#### **Basis for Opinion**

The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Report on Internal Control over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects.

Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

#### **Definition and Limitations of Internal Control Over Financial Reporting**

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ Ernst & Young LLP

San Jose, California February 25, 2019

#### ITEM 9B. OTHER INFORMATION

Not applicable.

#### **PART III**

#### ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

The information required by this Item concerning our directors and executive officers is incorporated by reference to the sections of our Definitive Proxy Statement to be filed with the Securities and Exchange Commission pursuant to Regulation 14A in connection with our 2019 Annual Meeting of Stockholders (the Proxy Statement) under the headings "The Gilead Board of Directors - Nominees," "Board Structure," "Executive Officers," and "Section 16(a) Beneficial Ownership Reporting Compliance."

Our written Code of Ethics applies to all of our directors and employees, including our executive officers, including without limitation our principal executive officer, principal financial officer, principal accounting officer or controller or persons performing similar functions. The Code of Ethics is available on our website at http://www.gilead.com in the Investors section under "Corporate Governance." We intend to disclose future amendments to certain provisions of the Code of Ethics, and waivers of the Code of Ethics granted to executive officers and directors, on the website within four business days following the date of the amendment or waiver.

#### ITEM 11. EXECUTIVE COMPENSATION

The information required by this Item is incorporated by reference to the sections of the Proxy Statement under the headings "Executive Compensation," "Committees of our Board of Directors," "Compensation Committee Report," and "Compensation of Non-Employee Board Members."

## ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

The information required by this Item is incorporated by reference to Item 5 of our Annual Report on Form 10-K under the heading "Equity Compensation Plan Information" and the section of the Proxy Statement under the heading "Security Ownership of Certain Beneficial Owners and Management."

#### ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

The information required by this Item is incorporated by reference to the sections of the Proxy Statement under the headings "The Gilead Board of Directors," and "Board Processes."

#### ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES

The information required by this Item is incorporated by reference to the section of the Proxy Statement under the heading "Principal Accountant Fees and Services."

#### PART IV

### ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

- (a) The following documents are filed as part of this Annual Report on Form 10-K:
  - (1) Index list to Consolidated Financial Statements:

Report of Independent Registered Public Accounting Firm	<u>47</u>
Audited Consolidated Financial Statements:	
Consolidated Balance Sheets	<u>48</u>
Consolidated Statements of Income	<u>49</u>
Consolidated Statements of Comprehensive Income	<u>50</u>
Consolidated Statements of Stockholders' Equity	<u>51</u>
Consolidated Statements of Cash Flows	<u>52</u>
Notes to Consolidated Financial Statements	<u>53</u>

(2) Schedule II is included on page 91 of this report. All other schedules are omitted because they are not required or the required information is included in the financial statements or notes thereto.

## (3) Exhibits.

The following exhibits are filed herewith or incorporated by reference:

Exhibit Footnote	Exhibit Number	Description of Document
(1)	3.1	Restated Certificate of Incorporation of Registrant
(2)	3.2	Amended and Restated Bylaws of Registrant
	4.1	Reference is made to Exhibit 3.1 and Exhibit 3.2
(3)	4.2	Indenture related to Senior Notes, dated as of March 30, 2011, between Registrant and Wells Fargo, National Association, as Trustee
(3)	4.3	First Supplemental Indenture related to Senior Notes, dated as of March 30, 2011, between Registrant and Wells Fargo, National Association, as Trustee (including form of Senior Notes)
(4)	4.4	Second Supplemental Indenture related to Senior Notes, dated as of December 13, 2011, between Registrant and Wells Fargo, National Association, as Trustee (including Form of 2014 Note, Form of 2016 Note, Form of 2021 Note, Form of 2041 Note)
(5)	4.5	Third Supplemental Indenture related to Senior Notes, dated as of March 7, 2014, between Registrant and Wells Fargo, National Association, as Trustee (including Form of 2019 Note, Form of 2024 Note, Form of 2044 Note)
(6)	4.6	Fourth Supplemental Indenture related to Senior Notes, dated as of November 17, 2014, between Registrant and Wells Fargo, National Association, as Trustee (including Form of 2020 Note, Form of 2025 Note, Form of 2045 Note)
(7)	4.7	Fifth Supplemental Indenture, dated as of September 14, 2015, between Registrant and Wells Fargo Bank, National Association, as Trustee (including Form of 2018 Note, Form of 2020 Note, Form of 2022 Note, Form of 2026 Note, Form of 2035 Note and Form of 2046 Note)
(8)	4.8	Sixth Supplemental Indenture, dated as of September 20, 2016, between Registrant and Wells Fargo Bank, National Association, as Trustee (including Form of 2022 Note, Form of 2027 Note, Form of 2036 Note and Form of 2047 Note)
(9)	4.9	Seventh Supplemental Indenture, dated as of September 21, 2017, between Registrant and Wells Fargo Bank, National Association, as Trustee (including Form of Fixed Rate Note, Form of Form of September 2018 Note, Form of March 2019 Note and Form of September 2019 Note)
*(10)	10.1	Gilead Sciences, Inc. 2004 Equity Incentive Plan, as amended and restated May 10, 2017
*(11)	10.2	Form of employee stock option agreement used under 2004 Equity Incentive Plan (for grants made February 2008 through April 2009)
*(12)	10.3	Form of employee stock option agreement used under 2004 Equity Incentive Plan (for grants commencing in May 2009)
*(13)	10.4	Form of employee stock option agreement used under 2004 Equity Incentive Plan (for grants commencing in February 2010)
*(14)	10.5	Form of employee stock option agreement used under 2004 Equity Incentive Plan (for 2011 and subsequent year grants)
*(12)	10.6	Form of non-employee director option agreement used under 2004 Equity Incentive Plan (for annual grants commencing in May 2009 and through May 2012)
*(15)	10.7	Form of non-employee director option agreement used under 2004 Equity Incentive Plan (for annual grants made in May 2013)
*(15)	10.8	Form of non-employee director option agreement (non-U.S.) used under 2004 Equity Incentive Plan (for annual grants made in May 2013)
*(16)	10.9	Form of non-employee director option agreement used under 2004 Equity Incentive Plan (for annual grants made in and after May 2014)
*(15)	10.10	Form of restricted stock unit issuance agreement (non-U.S.) used under 2004 Equity Incentive Plan (for annual grants to non-employee directors commencing in May 2013)
*(17)	10.11	Form of performance share award agreement used under the 2004 Equity Incentive Plan (for TSR Goals (US) in 2016)
*(17)	10.12	Form of performance share award agreement used under the 2004 Equity Incentive Plan (for TSR Goals (US) with Director Retirement Provisions in 2016.)
*(17)	10.13	Form of performance share award agreement used under the 2004 Equity Incentive Plan (for Revenue Goals (US) in 2016)
*(17)	10.14	Form of performance share award agreement used under the 2004 Equity Incentive Plan (for Revenue Goals (US) with Director Retirement Provisions in 2016)
*(18)	10.15	Form of performance share award agreement used under the 2004 Equity Incentive Plan (for TSR Goals - Non-US in 2015)
*(17)	10.16	Form of performance share award agreement used under the 2004 Equity Incentive Plan (for TSR Goals -Non-US in 2016)
*(18)	10.17	Form of performance share award agreement used under the 2004 Equity Incentive Plan (for Revenue Goals - Non-US in 2015)
*(17)	10.18	Form of performance share award agreement used under the 2004 Equity Incentive Plan (for Revenue Goals - Non-US in 2016)
*(14)	10.19	Form of restricted stock unit issuance agreement used under the 2004 Equity Incentive Plan (service-based vesting for certain executive officers commencing in 2011)

*(19)	10.20	Gilead Sciences, Inc. Employee Stock Purchase Plan, restated on January 22, 2015
*(20)	10.21	Gilead Sciences, Inc. Deferred Compensation Plan-Basic Plan Document
*(20)	10.22	Gilead Sciences, Inc. Deferred Compensation Plan-Adoption Agreement

*(20)	10.23	Addendum to the Gilead Sciences, Inc. Deferred Compensation Plan		
*(21)	10.24	Gilead Sciences, Inc. 2005 Deferred Compensation Plan, as amended and restated on October 23, 2008		
*(22)	10.25	Gilead Sciences, Inc. Severance Plan, as amended on March 8, 2016		
*(23)	10.26	Gilead Sciences, Inc. Corporate Bonus Plan, as amended and restated on January 1, 2019		
*(24)	10.27	Amended and Restated Gilead Sciences, Inc. Code Section 162(m) Bonus Plan		
*(25)	10.28	Gilead Sciences, Inc. Retention Program for Executive Officers		
*(26)	10.29	Offer Letter dated April 16, 2008 between Registrant and Robin Washington		
*(27)	10.30	Separation Agreement and Release dated August 6, 2018 between Registrant and John F. Milligan, Ph.D.		
*(28)	10.31	Offer Letter dated November 30, 2018 between Registrant and Daniel O'Day		
*(29)	10.32	Form of Indemnity Agreement entered into between Registrant and its directors and executive officers		
*(29)	10.33	Form of Employee Proprietary Information and Invention Agreement entered into between Registrant and certain of its officers and key employees		
*(30)	10.34	Form of Employee Proprietary Information and Invention Agreement entered into between Registrant and certain of its officers and key employees (revised in September 2006)		
+(31)	10.35	Amendment Agreement, dated October 25, 1993, between Registrant, the Institute of Organic Chemistry and Biochemistry (IOCB) and Rega Stichting v.z.w. (REGA), together with the following exhibits: the License Agreement, dated December 15, 1991, between Registrant, IOCB and REGA (the 1991 License Agreement), the License Agreement, dated October 15, 1992, between Registrant, IOCB and REGA (the October 1992 License Agreement) and the License Agreement, dated December 1, 1992, between Registrant, IOCB and REGA (the December 1992 License Agreement)		
+(32)	10.36	Amendment Agreement between Registrant and IOCB/REGA, dated December 27, 2000 amending the 1991 License Agreement and the December 1992 License Agreement		
+(33)	10.37	Sixth Amendment Agreement to the License Agreement, between IOCB/REGA and Registrant, dated August 18, 2006 amending the October 1992 License Agreement and the December 1992 License Agreement		
+(34)	10.38	Seventh Amendment Agreement to the License Agreement, between IOCB/REGA and Registrant dated July 1, 2013 amending the October 1992 License Agreement and the December 1992 License Agreement		
+(35)	10.39	Exclusive License Agreement between Registrant (as successor to Triangle Pharmaceuticals, Inc.), Glaxo Group Limited, The Wellcome Foundation Limited, Glaxo Wellcome Inc. and Emory University, dated May 6, 1999		
+(36)	10.40	Royalty Sale Agreement by and among Registrant, Emory University and Investors Trust & Custodial Services (Ireland) Limited, solely in its capacity as Trustee of Royalty Pharma, dated July 18, 2005		
+(36)	10.41	Amended and Restated License Agreement between Registrant, Emory University and Investors Trust & Custodial Services (Ireland) Limited, solely in its capacity as Trustee of Royalty Pharma, dated July 21, 2005		
+	10.42	Amended and Restated EVG License Agreement between Japan Tobacco Inc., and Registrant, dated November 29, 2018		
+	10.43	Master Agreement by and between Registrant, Gilead Sciences K.K. and Japan Tobacco Inc., dated November 29, 2018		
+(37)	10.44	Amended and Restated Collaboration Agreement by and among Registrant, Gilead Sciences Ireland UC (formerly Gilead Sciences Limited) and Janssen R&D Ireland, dated December 23, 2014		
+(38)	10.45	License Agreement by and among Kite Pharma, Inc., Cabaret Biotech Ltd. and Dr. Zelig Eshhar, dated December 12, 2013		
	21.1	Subsidiaries of Registrant		
	23.1	Consent of Independent Registered Public Accounting Firm		
	31.1	Certification of Chief Executive Officer, as required by Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of 1934, as amended		
	31.2	Certification of Chief Financial Officer, as required by Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of 1934, as amended		
	32.1**	Certifications of Chief Executive Officer and Chief Financial Officer, as required by Rule 13a-14(b) or Rule 15d-14(b) and Section 1350 of Chapter 63 of Title 18 of the United States Code (18 U.S.C. §1350)		
	101.INS***	XBRL Instance Document		
	101.SCH***	XBRL Taxonomy Extension Schema Document		
	101.CAL***	XBRL Taxonomy Extension Calculation Linkbase Document		
	101.DEF***	XBRL Taxonomy Extension Definition Linkbase Document		

101.LAB*** XBRL Taxonomy Extension Label Linkbase Document

101.PRE*** XBRL Taxonomy Extension Presentation Linkbase Document

- Filed as an exhibit to Registrant's Current Report on Form 8-K filed on May 8, 2014, and incorporated herein by reference. Filed as an exhibit to Registrant's Current Report on Form 8-K filed on December 23, 2015, and incorporated herein by reference.

- Filed as an exhibit to Registrant's Current Report on Form 8-K filed on April 1, 2011, and incorporated herein by reference.
  Filed as an exhibit to Registrant's Current Report on Form 8-K filed on December 13, 2011, and incorporated herein by reference.
  Filed as an exhibit to Registrant's Current Report on Form 8-K filed on March 7, 2014, and incorporated herein by reference.
  Filed as an exhibit to Registrant's Current Report on Form 8-K filed on November 17, 2014, and incorporated herein by reference.
  Filed as an exhibit to Registrant's Current Report on Form 8-K filed on September 14, 2015, and incorporated herein by reference.
  Filed as an exhibit to Registrant's Current Report on Form 8-K filed on September 20, 2017, and incorporated herein by reference.
  Filed as an exhibit to Registrant's Current Report on Form 8-K filed on May 12, 2017, and incorporated herein by reference.
  Filed as an exhibit to Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2007, and incorporated herein by reference.
  Filed as an exhibit to Registrant's Quarterly Report on Form 10-C for the quarter ended June 30, 2009, and incorporated herein by reference.
  Filed as an exhibit to Registrant's Quarterly Report on Form 10-C for the quarter ended June 30, 2009, and incorporated herein by reference. (3) (4) (5) (6) (7) (8) (9) (10) (11) (12)

- (12) (13) (14) (15) (16) (17) Filed as an exhibit to Registrant's Annual Report on Form 10-K for the fiscal year ended December 31,2009, and incorporated herein by reference. Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended March 31,2011, and incorporated herein by reference.

- Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2013, and incorporated herein by reference. Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2014, and incorporated herein by reference. Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended March 31, 2016, and incorporated herein by reference. Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended March 31, 2015, and incorporated herein by reference. Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended March 31, 2015, and incorporated herein by reference. Filed as an exhibit to Registrant's Current Report on Form 8-K filed on May 8, 2015, and incorporated herein by reference. (18) (19)

- Filed as an exhibit to Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2001, and incorporated herein by reference. Filed as an exhibit to Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2008, and incorporated herein by reference. Filed as an exhibit to Registrant's Current Report on Form 8-K filed on March 11, 2016, and incorporated herein by reference. Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2018, and incorporated herein by reference. Filed as an exhibit to Registrant's Current Report on Form 8-K filed on May 17, 2016, and incorporated herein by reference. (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32)

- Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended September 30, 2018, and incorporated herein by reference. Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended September 30, 2018, and incorporated herein by reference. Filed as an exhibit to Registrant's Current Report on Form 8-K filed on August 7, 2018, and incorporated herein by reference. Filed as an exhibit to Registrant's Current Report on Form 8-K filed on December 10, 2018, and incorporated herein by reference. Filed as an exhibit to Registrant's Current Report on Form 8-K filed on December 10, 2018, and incorporated herein by reference. Filed as an exhibit to Registrant's Registrant's Current Report on Form S-I (No. 33-55680), as amended, and incorporated herein by reference.

- (33) (34) (35) (36) (37)
- Filed as an exhibit to Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2006, and incorporated nerein by reference. Filed as an exhibit to Registrant's Annual Report on Form 10-K for the fiscal year ended March 31, 1994, and incorporated herein by reference. Filed as an exhibit to Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2000, and incorporated herein by reference. Filed as an exhibit to Registrant's Annual Report on Form 10-V for the quarter ended December 31, 2000, and incorporated herein by reference. Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended September 30, 2013, and incorporated herein by reference.

- Filed as an exhibit to Triangle Pharmaceuticals, Inc.'s Quarterly Report on Form 10-Q/A filed on November 3, 1999, and incorporated herein by reference. Filed as an exhibit to Registrant's Quarterly Report on Form 10-Q for the quarter ended September 30, 2005, and incorporated herein by reference. Filed as an exhibit to Registrant's Annual Report on Form 10-Q for the quarter ended September 30, 2005, and incorporated herein by reference. Filed as an exhibit to Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2014, and incorporated herein by reference. Filed as an exhibit to Kite Pharma, Inc.'s Registration Statement on Form S-1/A (No. 333-196081) filed on June 17, 2014, and incorporated herein by reference. (38)
- Management contract or compensatory plan or arrangement.
- Furnished herewith.
- Filed herewith.
- Erica incential. Certain confidential portions of this Exhibit were omitted by means of marking such portions with an asterisk (the Mark). This Exhibit has been filed separately with the Secretary of the Securities and Exchange Commission without the Mark pursuant to Registrant's Application Requesting Confidential Treatment under Rule 24b-2 under the Securities Exchange Act of 1934, as amended.

#### ITEM 16. FORM 10-K SUMMARY

None.

#### **SIGNATURES**

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

	Gregg H. Alton Interim Chief Executive Officer and Chief Patient Officer		
By:	/s/	Gregg H. Alton	
GILEAD S	Sciences, Inc.		

#### POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Gregg H. Alton and Brett A. Pletcher, and each of them, as his true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place, and stead, in any and all capacities, to sign any and all amendments to this Report, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming that all said attorneys-in-fact and agents, or any of them or their or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, this Report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

Signature	Title	Date
/s/ Gregg H. Alton Gregg H. Alton	Interim Chief Executive Officer and Chief Patient Officer (Principal Executive Officer)	February 25, 2019
/s/ ROBIN L. WASHINGTON Robin L. Washington	Executive Vice President and Chief Financial Officer (Principal Financial and Accounting Officer)	February 25, 2019
/s/ John C. Martin	Chairman of the Board of Directors	February 25, 2019
John C. Martin, Ph.D.  /S/ JACQUELINE K. BARTON  Jacqueline K. Barton, Ph.D.	_ Director	February 25, 2019
/s/ John F. Cogan	Director	February 25, 2019
John F. Cogan, Ph.D.  /S/ KELLY A. KRAMER  Kelly A. Kramer	Director	February 25, 2019
/s/ Kevin E. Lofton	Director	February 25, 2019
/S/ NICHOLAS G. MOORE  Harish Manwani	_ Director	February 25, 2019
/s/ RICHARD J. WHITLEY  Richard J. Whitley, M.D.	Director	February 25, 2019
/s/ GAYLE E. WILSON  Gayle E. Wilson	Director	February 25, 2019
/S/ PER WOLD-OLSEN Per Wold-Olsen	Director	February 25, 2019

## AMENDED AND RESTATED EVG LICENSE AGREEMENT

JAPAN TOBACCO INC.

AND

GILEAD SCIENCES, INC.

As of November 29, 2018

#### AMENDED AND RESTATED EVG LICENSE AGREEMENT

THIS AMENDED AND RESTATED EVG LICENSE AGREEMENT (the "Agreement") is made and entered into as of November 29, 2018 (the "A&R Execution Date") by and between JAPAN TOBACCO INC., a Japanese corporation having its principal place of business at JT Building, 2-1 Toranomon, 2-chome, Minato-ku, Tokyo 105-8422, Japan ("JT"), and GILEAD SCIENCES, INC., a Delaware corporation having its principal place of business at 333 Lakeside Drive, Foster City, CA 94404, United States ("Gilead"). JT and Gilead are sometimes referred to herein individually as a "Party" and collectively as the "Parties."

#### RECITALS

**WHEREAS**, JT has developed a proprietary anti-viral compound originally known as JTK-303 and now known as Elvitegravir or EVG, to be used in a product or products for the treatment of HIV;

WHEREAS, the Parties entered into that certain License Agreement dated March 22, 2005 (such agreement as amended prior to the Amended Effective Date, the "Original Agreement") governing the grant to Gilead of exclusive rights to Develop and Commercialize, for itself and its Affiliates certain formulations and dosages of Elvitegravir outside of Japan;

WHEREAS, the Parties have entered into that certain Master Agreement as of the A&R Execution Date (the "Master Agreement") pursuant to which JT is transferring the rights to the Products in Japan to Gilead and the Parties have agreed to expand Gilead's territory under the Original Agreement to include Japan; and

WHEREAS, the Parties also intend to consolidate prior amendments into an amended and restated version of the Original Agreement;

**NOW THEREFORE**, based on the foregoing premises and the mutual covenants and obligations set forth below, the Parties agree as follows:

# ARTICLE 1 DEFINITIONS

The following terms shall have the following meanings; capitalized terms used herein but not defined herein shall have the meaning set forth in the Master Agreement:

- 1.1 "A&R Execution Date" shall have the meaning set forth in the Preamble of this Agreement.
- 1.2 "ABC Schedules" shall mean the schedules included in Schedule 1.2.
- 1.3 "Access Countries" shall mean the countries listed on Schedule 1.2, as may be modified pursuant to this Agreement in accordance with Paragraph 4 of Schedule 6.2.

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[*] = CERTAIN CONFIDENTIAL INFORMATION CONTAINED IN THIS DOCUMENT, MARKED BY BRACKETS, IS FILED WITH THE SECURITIES AND EXCHANGE COMMISSION PURSUANT TO RULE 24B-2 OF THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED

- (a) "Access Group A Countries" shall have the meaning set forth on Schedule 1.2A, as may be modified pursuant to this Agreement in accordance with Paragraph 4 of Schedule 6.2.
- (b) "Access Group B Countries" shall have the meaning set forth on Schedule 1.2B, as may be modified pursuant to this Agreement in accordance with Paragraph 4 of Schedule 6.2.
- (c) "Access Group C Countries" shall have the meaning set forth on Schedule 1.2C, as may be modified pursuant to this Agreement in accordance with Paragraph 4 of Schedule 6.2.
- **1.4** "Affiliate" shall mean, except as provided below, an entity that, directly or indirectly, through one (1) or more intermediaries, controls, is controlled by or is under common control with JT or Gilead. The term "control" as used in this definition means ownership of more than fifty percent (50%) of the voting interest in the entity in question or having otherwise the power to govern the financial and the operating policies or to appoint the management of an organization.
  - **1.5** "Alliance Manager" shall have the meaning set forth in Section 2.3.
  - **1.6** "Amended Effective Date" shall mean the Marketer Change Date.
  - 1.7 "Ancillary Agreements" shall mean the meaning defined in the Master Agreement except excluding this Agreement.
  - **1.8** "API" shall mean active pharmaceutical ingredients.
- **1.9** "Branded Products" shall mean the Products sold by Gilead or its Affiliates or Sublicensees other than Generic Versions.
- **1.10** "Calendar Quarter" shall mean the respective periods of three (3) consecutive calendar months ending on March 31, June 30. September 30 and December 31.
- 1.11 "Change in Control" shall mean any sale of voting securities, any sale or purchase of assets, or any merger, consolidation or similar transaction that, directly or indirectly: (i) results in the transfer of substantially all of a Party's assets that relate to or are engaged in the Commercialization of any Products to any Third Party; or (ii) results in any Third Party becoming an Affiliate of a Party.
- **1.12** "Combination Product" shall mean any Product in the form of a combination product that contains Compound in addition to one or more active pharmaceutical ingredients.
- **1.13** "Commercial Launch" shall mean, with respect to a Product, the first commercial sale of such Product to a Third Party occurring after Regulatory Approval for such Product.
  - 1.14 "Commercialization Report" shall have the meaning set forth in Section 5.2(a).

- 1.15 "Commercialize" shall mean to promote, market, distribute, sell or provide product support for a Product (other than in connection with clinical trials of such Product), and "Commercializing" and "Commercialization" shall be interpreted accordingly.
- **1.16** "Component" shall mean an API component of a Combination Product. For Stribild, Component shall mean FTC, TDF, EVG and COBI. For Genvoya, Component shall mean FTC, TAF, EVG and COBI.
- 1.17 "Compound" shall mean (i) the compound now known as Elvitegravir or EVG, the chemical structure of which is shown in **Schedule 1.17A**; (ii) the salts, esters, hydrates, isomers, and metabolites of that compound; (iii) any other compounds claimed in or covered by a Valid Claim in the Patent(s) described on **Schedule 1.17B**; and (iv) crystalline forms of (i) through (iii).
- 1.18 "Confidential Disclosure Agreements" shall mean (i) the Confidential Disclosure Agreement between the Parties dated September 16, 2004, as amended by the Amendment to Confidential Disclosure Agreement dated October 29, 2004 and the Second Amendment to Confidential Disclosure Agreement dated February 1, 2005; (ii) the Confidential Disclosure Agreement between the Parties dated February 1, 2005 (JT as recipient); and (iii) the Confidential Disclosure Agreement between the Parties dated February 1, 2005 (Gilead as recipient).
- 1.19 "Confidential Information" shall mean (i) all information and materials, received by either Party from the other Party pursuant to the Original Agreement or this Agreement and (ii) all information and materials disclosed pursuant to the Confidential Disclosure Agreements or the Material Transfer Agreements, in each case other than that portion of such information or materials that:
  - (a) is publicly disclosed by the disclosing Party, either before or after it becomes known to the receiving Party;
- (b) was known to the receiving Party, without obligation to keep it confidential, prior to when it was received from the disclosing Party, as evidenced by competent written proof;
- (c) is subsequently disclosed to the receiving Party by a Third Party lawfully in possession thereof without obligation to keep it confidential;
- (d) has been publicly disclosed other than by the disclosing Party and without breach of an obligation of confidentiality with respect thereto; or
- (e) has been independently developed by the receiving Party without the aid, application or use of Confidential Information, as evidenced by competent written proof.

Notwithstanding clause (i) above in this definition of Confidential Information, (A) any information or materials deemed to be Confidential Information of Gilead under the Master Agreement shall be considered Gilead's Confidential Information hereunder rather than JT's Confidential Information (even if it were JT's Confidential Information under the Original Agreement) and (B) any information or materials deemed to be Confidential

Information of both Parties under the Master Agreement shall be considered the Confidential Information of both Parties hereunder rather than solely JT's Confidential Information (even if it were JT's Confidential Information under the Original Agreement).

- 1.20 "Control", "Controls" and "Controlled" shall mean, with respect to a particular item of information or intellectual property right, that the applicable Party owns or has a license to such item or right and has the ability to grant to the other Party access to and a license or sublicense (as applicable) under such item or rights as provided for herein without violating the terms of any agreement or other arrangement with any Third Party, and without incurring material additional costs to procure such Third Party rights beyond those already incurred.
- **1.21** "**Develop**" shall mean the conduct of any pre-clinical, clinical or other studies or activities with respect to, or required for obtaining Regulatory Approval of, a Product (including, without limitation, quality assurance and quality control activities) or for Commercialization of a Product, along with any other clinical studies that may be conducted in accordance with this Agreement. The terms "Developing" and "Development" shall be interpreted accordingly.
- 1.22 "Diligent Efforts" shall mean, with respect to a Party's obligation under this Agreement to Develop or Commercialize a Product, the level of efforts required to carry out such obligation in a sustained manner consistent with the efforts a similarly situated pharmaceutical company devotes to a product of similar market potential, risk, profit potential and strategic value resulting from its own research efforts, based on conditions then prevailing. [*].
  - **1.23** "**Dispute**" shall have the meaning set forth in Section 15.1.
  - **1.24** "Dollar" shall mean a United States dollar, and "\$" shall be interpreted accordingly.
  - 1.25 "Elvitegravir" or "EVG" or "JTK-303" have the meaning set forth in Section 1.17.
- **1.26** "EMA" shall mean the European Medicines Agency, or any successor thereto, which coordinates the scientific review of human pharmaceutical products under the centralized licensing procedures of the EU.
- **1.27** "Emtriva" or "FTC" shall mean an enantiomeric mixture of emtricitabine (which is the (-) enantiomer of the chemical [*], in which the ratio of such (-) enantiomer to its (+) enantiomer is equal to or greater than [*], including without limitation the ratio of such enantiomers being [*].
- **1.28** "EU" shall mean the European Union. For the purposes of this Agreement, in the event that any country leaves the European Union or a new country is formed from an existing country in the European Union, such country shall still be deemed to be a country within the European Union.
- **1.29** "Excluded Net Sales" shall mean Net Sales of Branded Products sold by Gilead or its Affiliates or Sublicensees for distribution solely within [*] and Net Sales [*].

- **1.30** "FDA" shall mean the United States Food and Drug Administration, or a successor thereto.
- 1.31 "GAAP" shall mean generally accepted accounting principles in the United States as consistently applied.
- **1.32** "Generic Licensee" shall mean a Sublicensee of Gilead or its Affiliate that has been granted a Generic License to make or sell API of EVG or Generic Versions under this Agreement and that has been granted no other rights to Products, except that a Generic Licensee may be granted the right to distribute Branded Products solely within countries in the Generic Territory. For clarity, unless otherwise expressly provided in this Agreement, both of the MPPF and any third party granted the sublicense from MPPF under Section 2 of **Schedule 6.2** shall be deemed to be included in Generic Licensee.
- 1.33 "Generic Licenses" shall mean a sublicense by Gilead or its Affiliate of its rights granted under Article 6 of the Original Agreement or Article 6 of this Agreement to a Generic Licensee to (i) sell Generic Versions solely within the Generic Territory, (ii) make Generic Versions in India from Qualified EVG API solely for the purpose of selling them in the Generic Territory, (iii) make Generic Versions in China from Qualified EVG API solely for the purpose of selling them in the Generic Territory, (iv) make Generic Versions in South Africa from Qualified EVG API solely for the purposes of selling them in the Generic Territory, or (v) make API of EVG in India, China or South Africa and sell such API of EVG to other Generic Licensees in India, China or in South Africa, solely for the purpose of making Generic Versions pursuant to 1.32(ii) or 1.32(iii) or 1.32(iv) set forth above. For clarity, both of the sublicenses granted by Gilead to MPPF as well as MPPF License shall be deemed to be included in Generic Licensee. "Qualified EVG API" shall mean EVG API made by a Generic Licensee in India, China or South Africa or made by a contract manufacturer that makes EVG API for Gilead's Branded Product. "India" shall mean Republic of India and "China" shall mean the People's Republic of China but, for clarity, excluding Hong Kong SAR, Macau SAR, and Chinese Taipei.
- 1.34 "Generic Net Sales" shall mean the net sales of EVG Generic Versions in the Generic Territory as such net sales are defined in the applicable Generic License, and as reported by the applicable Generic Licensee. For products containing EVG and one or more other APIs, such net sales shall mean the portion of net sales allocated to the EVG component as set forth in Section 4.2 of the Generic License templates attached as Exhibit 1 and Exhibit 2 (for Exhibit 2, Section 12 of the form of sublicense agreements attached thereto) to Schedule 6.2. If such allocations are not reported by the Generic Licensee(s), then Gilead and JT shall agree on the allocation based on available data on net selling prices of applicable generic products in the Generic Territory.
- 1.35 "Generic Product" shall mean a Product that is sold by an unlicensed Third Party (i) in any country where there are no JT Patents or Gilead Patents; (ii) in a country where there are no Valid Claims in the JT Patents or Gilead Patents; (iii) in a country where the laws do not provide for the effective enforcement of Patent rights; or (iv) in any other country where the Parties both determine that it is not commercially reasonable to pursue Third Party infringers. A Generic Product is also a Product that is sold pursuant to a compulsory license for the Licensed Indication (which

compulsory license is for sales at a Net Selling Price that is less than or equal to what would be the Net Selling Price of a Product sold by an unlicensed Third Party in a comparable non-patent country).

- 1.36 "Generic Territory" shall mean the Access Group A Countries and the Access Group B Countries.
- 1.37 "Generic Versions" shall mean the Products manufactured by Generic Licensees that are not sold under any Regulatory Approvals obtained by or for Gilead or its Affiliate, and which are marketed and promoted using different product trademarks than the Product Trademark. For clarity, it is expected that Generic Versions will receive Regulatory Approvals based on reference to Regulatory Approvals obtained by or for Gilead for Branded Products.
- **1.38** "Genvoya" shall mean that certain Product containing the following four active ingredients: Elvitegravir, COBI, FTC and TAF, that is Commercialized under the Product Trademark GENVOYA®.
  - 1.39 "Gilead Expanded Territory" shall mean all countries of the world, including Japan.
- 1.40 "Gilead Global Access Program" shall mean the distribution of Product by Gilead, or its Affiliates, through government agencies, not-for-profit, non-governmental organizations, physicians, pharmacies or patients in the countries listed in Schedule 1.2 at reduced rates.
  - **1.41** "Gilead Indemnitees" shall have the meaning set forth in Section 11.1.
- **1.42** "Gilead Know-How" shall mean: (a) Know-How Controlled by Gilead or a Gilead Affiliate that is necessary for, or that has been otherwise actually used during the Original Agreement Term or the Term in the research, Development, manufacture, use, sale, offer for sale, or importation of Compounds or Products; and (b) Sublicensee Know-How.
  - 1.43 "Gilead Original Territory" shall mean all countries of the world except Japan.
- 1.44 "Gilead Patent" shall mean: (a) any Patent Controlled by Gilead or a Gilead Affiliate that is necessary for, or that has otherwise actually been used during the Original Agreement Term or the Term in the research, Development, manufacture, use, sale, offer for sale, or importation of a Compound or a Product, including without limitation Gilead's interest in Joint Patents; and (b) any Sublicensee Patent.
  - **1.45** "Gilead Technology" shall mean all Gilead Patents and Gilead Know-How.
  - **1.46** "GS-9350" or "COBI" shall mean [*].
  - **1.47** "HIV" shall mean the human immunodeficiency virus.
- 1.48 "IND" shall mean (a) an Investigational New Drug Application as defined in the United States Food, Drug and Cosmetic Act and applicable regulations promulgated thereunder by the FDA, or (b) an equivalent application to the equivalent agency in any other country or group

of countries, the filing of which is necessary to commence clinical testing of a pharmaceutical product in humans in a particular jurisdiction.

- **1.49** "Indemnify" shall have the meaning set forth in Section 11.1.
- **1.50** "Infringe" shall mean the carrying out of an Infringement.
- 1.51 "Infringement" shall have the meaning set forth in Section 9.4(a)(i).
- **1.52** "IP Subcommittee" shall have the meaning set forth in Section 9.2(a).
- **1.53** "Japan" shall mean Japan and its possessions and territories thereof.
- **1.54** "Joint Committee" shall have the meaning set forth in Section 2.1.
- **1.55** "**Joint Invention**" shall have the meaning set forth in Section 9.1(a).
- **1.56** "Joint Patent" shall have the meaning set forth in Section 9.3(d). As of the A&R Execution Date, the Joint Patents include those Patents listed as "Joint Patents" on **Schedule 1.59**, and it shall include those added to such Schedule by both Parties.
  - **1.57** "**JT Indemnitees**" shall have the meaning set forth in Section 11.2.
- **1.58** "JT Know-How" shall mean Know-How that is Controlled by JT or a JT Affiliate that is necessary for, or that has been otherwise actually used during the Original Agreement Term or the Term in, the research, Development, manufacture, use, sale, offer for sale, or importation of Compounds or Products.
- **1.59** "JT Patent" shall mean any Patent Controlled by JT or a JT Affiliate that is necessary for, or that has been otherwise actually used during the Original Agreement Term or the Term in, the research, Development, manufacture, use, sale, offer for sale, or importation of Compounds or Products, including without limitation JT's interest in any Joint Patents. As of the A&R Execution Date, the JT Patents include those Patents listed on **Schedule 1.59** (other than the Joint Patents), and it shall include those added to such Schedule pursuant to Section 9.1(c) of this Agreement or the Original Agreement.
- 1.60 "JT Patent Expenses in Access Group A Countries" shall mean [*] expenses (including attorneys' fees) actually incurred by JT to file, maintain, Prosecute or enforce any JT Patents in or for the Access Group A Countries.
  - **1.61** "JT Technology" shall mean all JT Patents and JT Know-How.
  - **1.62** "**Key JT Personnel**" shall mean, for [*], [*], and, for [*], [*].
- **1.63** "Know-How" shall mean (i) all information, know-how, techniques and data specifically relating to development, manufacture, use or sale of a Compound or a Product, including but not limited to, inventions, practices, methods, knowledge, know-how, skill, experience, test

data (including without limitation pharmacological, toxicological, clinical, analytical and quality control data, regulatory submissions, correspondence and communications, and marketing pricing, distribution, cost, sales, manufacturing, patent and legal data or descriptions); (ii) Regulatory Information containing know-how; and (iii) compositions of matter, assays and biological materials specifically relating to development, manufacture, use or sale of a Compound or a Product.

- **1.64** "Licensed Indication" shall mean all possible therapeutic and prophylactic uses (including without limitation, mono-and combination uses in the treatment of HIV infection).
  - **1.65** "Losses" shall have the meaning set forth in Section 11.1.
- **1.66** "MAH Transfer" shall mean the transfer of all of the marketing authorizations for the Products in Japan from JT to GSJ pursuant to the Master Agreement.
  - 1.67 "MAH Transfer Date" shall mean the date upon which the MAH Transfer occurs.
- **1.68** "Major EU Countries" shall mean France, Germany, Italy, Spain and the United Kingdom, and "Major EU Country" shall mean any one of the foregoing[*].
  - **1.69** "Major Market" shall mean any of the United States and the Major EU Countries.
- **1.70** "Manufacturing Cost" shall mean an amount equal to Gilead's cost to produce Product consisting of the amounts described in clauses (a), (b) or (c) below, as appropriate:

### (a) Internal Costs.

- (i) Material Costs, which means the prices paid to Third Parties for raw materials including intermediates and active compounds, excipients, components, packaging and labeling materials to the extent used in the manufacture and transportation of Product and purchased finished goods which are purchased from outside vendors as well as any freight and duty where applicable. Material Costs includes the quantity of the components included in the bill of material multiplied by the purchase price and the waste factor (i.e., scrap percentage) included in the bill of materials. It also includes the normal quality assurance sample quantity which is included in the bill of materials; and
- (ii) Direct Labor Costs, which means the standard labor hours required for an operation according to the standard operating procedures multiplied by the direct labor rate (i.e., the employment costs per man-hour including, without limitation, salary and employee benefits) for work centers within the relevant manufacturing operating unit; and
- (iii) Overhead Costs, which means a reasonable allocation of overhead calculated by Gilead in accordance with reasonable cost accounting methods that comply with GAAP and consistent with the way Gilead allocates such costs to products it supplies to other of its customers pursuant to contract manufacturing relationships, specifically excluding products supplied pursuant to corporate partnering or other co-development relationships. Overhead Costs shall include administrative costs directly in support of Gilead's manufacturing operation and

expenses associated with quality assurance, manufacturing and engineering associated with the operating unit(s) manufacturing a Product and shall include depreciation and property taxes associated with the plant(s) manufacturing a Product. These costs shall be allocated to each product line in such operating unit(s) or plant(s), whichever is applicable, based on specific criteria consistent with the standard operating procedures for each product and work center overhead rates of the party performing the work determined and allocated in a manner consistently applied within and across operating unit(s); and

- (iv) Third-Party royalties and costs of manufacturing to the extent not already paid or credited under the Original Agreement or this Agreement and not including royalties Gilead is obligated to pay under Section 8.3(a) of the Original Agreement or this Agreement.
- (b) **Contract Manufacturing Costs.** Gilead's costs to acquire a Product from suppliers (which amount will be net of rebates, if any, from suppliers).
- (c) **Combined Costs.** For a Product that has costs arising under both Section 1.70(a) and Section 1.70(b), "Manufacturing Costs" shall consist of the sum of the costs described in each such subsection.
  - 1.71 "Marketer Change Date" shall have the meaning set forth in the Master Agreement.
- 1.72 "Marketing Authorization Application" or "MAA" shall mean an application for Regulatory Approval (but excluding Price Approvals) required for marketing of pharmaceutical product. Solely as used in Section 8.2, "MAA" shall mean the application for Regulatory Approval (but excluding Price Approvals) required for marketing of the first Product in the EU.
  - 1.73 "Master Agreement" shall have the meaning set forth in the recitals.
- **1.74** "Material Transfer Agreements" shall mean the Material Transfer Agreement between the Parties dated October 6, 2004, and the Clinical Trial Material Transfer Agreement between the Parties dated as of March 17, 2005.
- 1.75 "MPPF" shall mean the Medicines Patent Pool Foundation, at Chemin Louis-Dunant 17, 1202, 1202 Geneva, Switzerland. The sublicense of the Generic License granted by Gilead to MPPF pursuant to Section 2 of **Schedule 6.2** shall be referred to as the "MPPF License".
  - **1.76** "MPPF License" shall have the meaning set forth in Section 1.75.
- 1.77 "NDA" shall mean a New Drug Application filed with the FDA to seek Regulatory Approval for a pharmaceutical product in the United States.
  - 1.78 "Net Sales" means [*].
- 1.79 "Net Selling Price" shall mean the Net Sales (as defined in the [*] of the definition of "Net Sales", without giving effect to the [*] of such definition) of a Product divided by the number of units of Product sold.

- **1.80** "Non-breaching Party" shall have the meaning set forth in Section 14.3(a).
- **1.81** "Offsetting Patents" shall mean Patents controlled by a Third Party and that are required for the research, Development, manufacture, use, sale, offer for sale or importation of Elvitegravir based on the formulation furnished by JT to Gilead, as used for treatment or prophylaxis of HIV infection and to the extent based on the manufacturing process provided by JT to Gilead.
  - **1.82** "Original Agreement" shall have the meaning set forth in the recitals.
- **1.83** "Original Agreement Effective Date" shall mean the date on which the Original Agreement became effective, which date was April 4, 2005.
- **1.84** "Original Agreement Term" shall mean the period from the Original Agreement Effective Date through the Amended Effective Date.
- **1.85** "Other Indication" shall mean therapeutic and prophylactic uses other than in the treatment and prophylaxis of HIV infection.
- 1.86 "Patent" shall mean (a) all patents, certificates of invention, applications for certificates of invention, and patent applications, including without limitation patent applications under the Patent Cooperation Treaty and the European Patent Convention, and abandoned patent applications throughout the world, together with (b) any renewal, divisional, continuation (in whole or in part), or continued prosecution applications of any of such patents, certificates of invention and patent applications, and any all patents or certificates of invention issuing thereon, and any and all reissues, reexaminations, extensions, divisions, renewals, substitutions, confirmations, supplemental protection certificates, registrations, revalidations, revisions, and additions of or to any of the foregoing, and any counterparts in any other country of any of the foregoing and any other patents and patent applications claiming priority back to any of the foregoing.
  - **1.87** "Payment Term" shall have the meaning set forth in Section 8.3(e).
- **1.88** "Price Approval" shall mean the receipt of approval (to the extent that such approval is required) by the applicable governmental authority with respect to the price at which a pharmaceutical product is sold and can be reimbursed by healthcare insurers, non-profits, government programs, and the like.
- **1.89** "**Product**" shall mean (i) any pharmaceutical product that contains Compound as the sole active pharmaceutical ingredient, or (ii) a Combination Product.
- 1.90 "Product Labeling" shall mean (i) the full prescribing information for any Product, as approved by the relevant Regulatory Authority and (ii) all labels and other written, printed or graphic information included in or placed upon any container, wrapper or package insert used with or for any Product that complies with the Regulatory Approval for such product.
  - **1.91** "Product Trademarks" shall have the meaning set forth in Section 9.7(b).

- **1.92** "**Promotional Materials**" shall mean all written, printed, electronic or graphic material used for promotion or Commercialization of Products, including Combination Products.
  - **1.93** "**Prosecution**" shall have the meaning set forth in Section 9.3(a).
- 1.94 "Regulatory Approval" shall mean all approvals (including, without limitation, supplements, amendments, and Price Approvals), licenses, registrations or authorizations of any national, supra-national, regional, state or local regulatory agency, department, bureau, commission, council or other governmental entity, necessary for the manufacture, distribution, use or sale of a Product in a given regulatory jurisdiction.
  - **1.95** "Regulatory Authority" shall mean the FDA or a counterpart of the FDA outside the United States.
- 1.96 "Regulatory Information" shall mean know-how, trade secrets, procedures, information, technology, experimental data, pre-clinical, non-clinical and clinical data, clinical safety, post-market safety, efficacy or comparative data, including without limitation raw or patient data, and any and all material information or reports relating to the development, registration, manufacture and commercialization of a Product that is reasonably necessary or required for Regulatory Approval of a Product. For illustration, Regulatory Information includes, but is not limited to draft and final copies of all NDAs and INDs that are to be submitted or have been submitted by JT and Gilead or their respective Affiliates to the regulatory authorities, including, without limitation, the FDA or EMA, and that are included in other NDAs and INDs for a Product filed by either Party or its Affiliates, together with all material subsequent correspondence and data submissions relating to the foregoing, and all improvements or inventions made or obtained by either Party or its Affiliates, which are reasonably necessary or required to the formulation of a Product or the manufacture, development and registration of a Product.
  - 1.97 "Remaining Competitive Recovery" shall have the meaning set forth in Section 9.4(f)(i).
- **1.98** "Reverted Country" shall mean a country in the Gilead Original Territory as to which Gilead's rights under this Agreement are terminated in part by JT pursuant to Section 14.3(c).
  - **1.99** "Sole Invention" shall have the meaning set forth in Section 9.1(a).
- **1.100** "Stribild" or "Quad" shall mean a combination pharmaceutical product in oral formulation as developed by Gilead containing as its sole APIs FTC, TDF, EVG and COBI, that is Commercialized under the Product Trademark Stribild®.
  - **1.101** "Sublicensee" shall mean a Third Party that is a sublicensee of Gilead rights granted under Article 6.

- **1.102** "Sublicensee Know-How" shall mean Know-How owned, assigned to, developed by, or in-licensed by a Sublicensee that is necessary for, or actually used during the Term in, the Sublicensee's Development or Commercialization of a Product.
- **1.103** "Sublicensee Patent" shall mean any Patent owned, assigned to, or in-licensed by a Sublicensee that is necessary for, or actually used during the Term in, the Sublicensee's Development or Commercialization of a Product.
- **1.104** "Supply Agreement" shall mean any supply agreement between the Parties or their respective Affiliates in effect as of the Amended Effective Date or thereafter entered into by the Parties or their respective Affiliates, to the extent governing the commercial supply of the Products, including any supply agreement entered into or amended pursuant to the Master Agreement.
  - 1.105 "TAF" or "GS-7340" shall mean the amidate prodrug of tenofovir having the chemical formula [*].
  - 1.106 "TDF" or "Viread" shall mean tenofovir disoproxil fumarate, having the chemical formula [*].
  - **1.107** "**Term**" shall have the meaning set forth in Section 14.1.
  - **1.108** "Third Party" shall mean any entity other than JT or Gilead or an Affiliate of either Party.
  - **1.109** "Third Party Claim" shall have the meaning set forth in Section 11.1.
- **1.110** "Third Party Royalties" shall mean up-front, milestone, royalty and any other similar payments paid by Gilead to any Third Party for Offsetting Patents for the Development, manufacture, use sale, offer for sale, or importation of Compound or Product.
- **1.111** "Truvada" shall mean the combination product sold in Japan under the VTE License Agreement by JT containing both TDF and FTC as its sole APIs.
- 1.112 "Valid Claim" shall mean a claim of an issued and unexpired Patent, which has not been revoked or held unenforceable or invalid by a decision of a court or other governmental agency of competent jurisdiction, and which is not appealable or has not been appealed within the time allowed for appeal, and which has not been disclaimed, denied or admitted to be invalid or unenforceable through reissue, re-examination, disclaimer or otherwise.
- 1.113 "Viread" shall mean shall mean the pro-drug of Tenofovir known as tenofovir disoproxil fumarate, having the chemical formula [*].

## ARTICLE 2 MANAGEMENT

**2.1 Disbandment of the Joint Committee.** The Parties established a Joint Committee (the "**Joint Committee**") under the Original Agreement to provide a forum for the Parties to share

and discuss their respective plans relating to the Development and Commercialization of Compound(s) and Products and to coordinate activities to be taken by the Parties with respect to the Development and Commercialization of such Compound(s) and Products. The Parties have agreed to disband the Joint Committee and any working groups or subcommittees thereunder other than the IP Subcommittee effective as of the Amended Effective Date. For clarity, until the Amended Effective Date, the Joint Committee will continue to operate in accordance with the Original Agreement. The decisions of the Joint Committee made prior to its disbandment shall remain in effect to the extent such decisions are not in conflict with this Agreement or the Master Agreement or Ancillary Agreements. If a conflict or inconsistency arises between a previous decision of the Joint Committee and this Agreement, this Agreement shall prevail and the Parties shall disregard such previous decision of the Joint Committee to the extent that such decision is in conflict or inconsistent with this Agreement.

- **2.2 Decision-Making Following Disbandment.** Any disputes or disagreements, concerning matters that directly relate to either Party's Patents or Know-How (other than matters relating to a breach of this Agreement), and that cannot be resolved by the IP Subcommittee, shall be decided by [*].
- 2.3 Selection of Alliance Managers. Each Party shall designate an appropriate person to facilitate communication, interaction and coordination of the Parties' activities under this Agreement relating to Products (each, an "Alliance Manager"). Each Alliance Manager shall have appropriate experience. Each Party may change its Alliance Manager from time to time upon notice to the other Party.
- **2.4 Responsibilities.** The Alliance Managers may attend all meetings of the IP Subcommittee. Each Alliance Manager shall (i) be the initial point of contact and communication for each Party to identify actual or potential disputes arising in connection with this Agreement; (ii) refer such issues or disputes to the IP Subcommittee for discussion as appropriate; (iii) plan and coordinate cooperative efforts for internal and external communications and notices; and (iv) ensure that governance activities, including production of meeting minutes and relevant action items agreed upon at meetings of the Parties' representatives and the IP Subcommittee, as applicable, are appropriately carried out, referred to the appropriate employees of each Party, or are otherwise addressed by the Parties.

#### 2.5 [Reserved]

2.6 Collaboration Guidelines. In all matters relating to this Agreement, each Party shall seek to comply with good pharmaceutical and environmental practices consistent with its own existing practices. Subject to the terms of this Agreement, the activities and resources of each Party shall be managed by such Party, acting independently and in its individual capacity. The relationship between JT and Gilead is that of independent contractors and neither Party shall have the power to bind or obligate the other Party in any manner, other than as is expressly set forth in this Agreement.

## ARTICLE 3 DEVELOPMENT

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- Agreements with respect to Japan, Gilead shall have the sole right to conduct regulatory, non-clinical, clinical, pharmaceutical, commercial development, manufacturing, registering and marketing of a Product for the Licensed Indication in the Gilead Expanded Territory in accordance with this Article 3. Gilead shall devote Diligent Efforts to the Development of a Product for use in the treatment of HIV infection to support the Commercial Launch of such Product in the Gilead Expanded Territory in accordance with this Agreement. Gilead shall bear all of the costs and expenses incurred in connection with any such activities performed, except as may otherwise be set forth with respect to Japan in the Master Agreement and the Ancillary Agreements.
- **3.2 Development Plan.** In the event there are additional Gilead-sponsored clinical studies undertaken to further Develop any Product, then no more frequently than semi-annually, Gilead shall provide JT with a high-level plan for such additional clinical studies in a format mutually agreed upon in writing ("**Gilead Development Plan**").
- 3.3 Reports and Information. Gilead shall update JT periodically regarding significant Development and regulatory activities with respect to Products for the Licensed Indication. In addition, if Gilead is conducting any additional clinical studies on a Product, Gilead shall deliver a semi-annual high-level written report to JT summarizing Gilead's significant clinical and regulatory activities with respect to Products pursuant to this Agreement in a format mutually agreed upon in writing.
- 3.4 Ad Hoc Development Meeting. Upon JT's reasonable request, Gilead and JT shall hold an ad hoc meeting to discuss any further development of the Products by Gilead ("Development Meetings"). Development Meetings may take place by telephonic or video conference or in person at such location as the Parties mutually agree, and they will be limited to no more than [*] Development Meetings per calendar year, provided that additional Development Meetings may also be held with the consent of each Party and neither Party shall unreasonably withhold or delay its consent to hold such additional Development Meetings. Alliance Managers from each Party shall act as the chairperson for the Development Meetings, and shall send an agenda for each Development Meeting at least [*] Business Days prior to the date of such meeting. Each Party shall bear its own costs, including travel, lodging, food and telephone or video conference costs, for its personnel attending any Development Meeting.

## 3.5 Information Exchange.

- (a) **Obligation to Exchange Information.** During the Term, subject to Section 3.5(b) and Section 4.2(a):
- (i) JT shall, upon reasonable request by Gilead, make available, on a fully paid-up basis, to Gilead, as soon as practicable after such request, JT Know-How and Regulatory Information which is Controlled by JT or any of its Affiliates, that has not been previously disclosed under the Original Agreement or under the Master Agreement, as a result of JT's activities in Japan;

### (ii) [Reserved]

- (b) **Limitations.** The obligations in this Section 3.5 are subject to any existing legal or contractual restrictions or limitations on either Party; provided, however, that, if legal or contractual restrictions or limitations exist, the nature of such restrictions or limitations shall be promptly disclosed to the other Party to the extent permissible. The Party that is subject to such restrictions or limitations shall use its Diligent Efforts to obtain a waiver of such restrictions or limitations to the extent that the other Party agrees to be bound by any terms and conditions associated with any such waiver. In addition, Gilead acknowledges that, unless otherwise expressly agreed between the Parties, JT may destroy any JT Know-How and Regulatory Information after expiration of retention periods under applicable laws as long as JT has (i) provided reasonable written notice to Gilead of its intent to destroy such JT Know-How or Regulatory Information and (ii) given Gilead the opportunity to retain such JT Know-How or Regulatory Information at Gilead's reasonable expense.
- (c) **Creation of New Data.** Without limiting the rights of Gilead and the obligations of JT under the Transition Services Agreement with respect to Japan, the following shall apply:
- (i) Gilead may ask JT to generate new Regulatory Information with respect to any activities conducted by JT under the Original Agreement or under the Transition Services Agreement (i.e., Regulatory Information not already in the possession or Control of Gilead) to satisfy any regulatory requirements applicable to Gilead.
- (ii) Upon receiving such a request, JT will consider such request on a reasonable basis and provide such Regulatory Information if JT can do so without unreasonable burden, additional cost or other disadvantage to JT.
- (iii) If new Regulatory Information requested pursuant to Section 3.5(c)(i) would impose additional costs on JT, Gilead shall pay all of such costs, subject to Gilead's advance written approval of JT's incurring such additional costs.
- (d) **Permitted Purposes.** Gilead or its Sublicensees may use Regulatory Information received pursuant to this Section 3.5 only for Gilead's development or marketing activities, including filing regulatory applications unless such Regulatory Information constitutes Assigned Assets under the Master Agreement, in which case this restriction shall not apply.
- (e) Form and Manner of Exchange. The exchanges of Regulatory Information shall be undertaken in written, electronic or oral form from time to time, as necessary or as reasonably requested. All Regulatory Information under this Section 3.5 will be exchanged in English to the extent necessary and possible; provided, however, that all of the costs and expenses for translation that has been requested by Gilead that are incurred by JT or its Affiliate shall be borne by Gilead, subject to Gilead's advance approval of such costs and expenses.

## ARTICLE 4 REGULATORY MATTERS

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**4.1 Gilead Marketing Authorization Applications and Regulatory Approvals.** Gilead shall have the sole right to file and own all INDs (if applicable), Marketing Authorization Applications and Regulatory Approvals for Products for the Licensed Indication in the Gilead Original Territory and, after MAH Transfer Date, shall also have the sole right to do so in Japan, and, except as otherwise set forth in the Master Agreement or Transition Services Agreement for Japan, shall be solely responsible for all communications with Regulatory Authorities in the Gilead Expanded Territory in relation thereto under applicable law. JT shall have the right to file and own Marketing Authorization Applications and Regulatory Approval for Products in Japan until MAH Transfer Date to the extent contemplated by the Master Agreement or Ancillary Agreements.

## 4.2 Gilead Access to JT Know-How and Filings.

- (a) **Regulatory Data.** To the extent not previously provided, JT shall provide Gilead with additional material information, data (in draft or final report form) and Know-How that is reasonably required for Regulatory Approval of Products for the Licensed Indication in the Gilead Expanded Territory, together with all material subsequent correspondence and data submissions relating to the foregoing, as soon as practicable. JT will use reasonable efforts to cooperate with Gilead and to advise Gilead with respect to questions raised with Gilead by Regulatory Authorities regarding Products; provided that Gilead shall continue to have the primary responsibility to prepare responses and respond to all such questions and inquiries.
- (b) Form of Transfer; Items not Transferred. Upon Gilead's request, to the extent not previously provided, JT shall provide all regulatory data and related documentation that it is required to provide to Gilead hereunder in electronic form, to the extent that an electronic copy is reasonably available to JT or its Affiliates. JT shall not be required to provide in paper form to Gilead any such item that JT provides to Gilead in electronic form, except items which may be required by Regulatory Authorities in the Gilead Expanded Territory to be submitted in their original form. Gilead shall have the right, in accordance with Section 4.2(c), to reference (until the MAH Transfer) and incorporate such data in Gilead's regulatory filings for Products in the Gilead Expanded Territory. The Parties shall discuss the form in which the Parties shall exchange Know-How pursuant to Section 3.5 and this Section 4.2, where not expressly provided in such Sections.
- (c) **Regulatory Filings.** Until the MAH Transfer, JT hereby grants Gilead the right to reference all of JT's (including its Affiliates, Sublicensees and distributors) Regulatory Approvals for the Products for the Licensed Indication in Japan, and all subsequent correspondence and data submissions relating thereto, in Gilead's regulatory filings for Products for the Licensed Indication in the Gilead Expanded Territory. Such right shall be transferable to Gilead's Affiliates, Sublicensees and distributors.

#### 4.3 [Reserved]

**4.4** Adverse Event Reporting and Safety Data Exchange. The Parties have entered into certain safety data exchange or pharmacovigilance agreements and such agreement will be terminated in accordance with the Amended and Restated Pharmacovigilance Agreement Termination Agreement as set forth in the Master Agreement.

#### 4.5 Communications; Regulatory Filings.

- (a) **Gilead Original Territory.** Gilead shall be responsible for making the filings for Regulatory Approval in the Gilead Original Territory.
- (b) **Japan.** Subject to the Master Agreement and Transition Services Agreement, JT shall be responsible for making the filings for Regulatory Approval in Japan until the MAH Transfer Date. After the MAH Transfer Date, Gilead shall be responsible for making the filings for Regulatory Approval in Japan.
- (c) **Generally.** Except (i) as may be required by law, (ii) unless explicitly requested or permitted in writing to do so by Gilead, or (iii) unless contemplated by the Master Agreement and the Ancillary Agreements, JT shall not communicate regarding any Product with any Regulatory Authority having jurisdiction in the Gilead Expanded Territory or file any IND or Marketing Authorization Application for Products in the Gilead Expanded Territory. The foregoing restrictions shall cease to be applicable on a country-by-country basis upon the expiration of the last-to-expire Valid Claim of a JT Patent in such country or upon such country becoming a Reverted Country; *provided* that nothing in the foregoing shall contravene JT's confidentiality obligations under this Agreement, the Confidential Disclosure Agreements or the Master Agreement.

## ARTICLE 5 COMMERCIALIZATION

**5.1 Performance; Gilead Activities.** Gilead shall have sole responsibility for Commercializing any Product for the Licensed Indication in the Gilead Expanded Territory, as provided in this Article 5. Gilead shall devote Diligent Efforts to Commercialize a Product for use in the treatment of HIV infection in the Gilead Expanded Territory in accordance with this Agreement. Gilead shall bear all of the costs and expenses incurred in connection with all such Commercialization.

#### 5.2 Commercialization Plans.

- (a) Gilead shall update and deliver to JT the Gilead's plan for Commercialization of the Products ("Gilead Commercialization Plan") not less than semi-annually and no later than [*] of each year. The Gilead Commercialization Plan will describe Gilead's significant Commercialization activities with respect to Products pursuant to this Agreement in a mutually agreed format. The Gilead Commercialization Plan will provide a level of detail reasonably sufficient to enable JT to determine whether Gilead's activities are consistent with the requirements of Section 5.1.
- (b) **Reports and Information**. Gilead shall update JT regarding Gilead's significant Commercialization activities for Products for the Licensed Indication in the Gilead Expanded Territory. Gilead shall deliver a written report (the "Commercialization Report") in a mutually agreed format no less than semi-annually each year to JT summarizing at a high level Gilead's significant Commercialization activities with respect to Products pursuant to this Agreement until expiration of the Payment Term.

- (c) Ad Hoc Commercialization Meeting. Upon JT's reasonable request, Gilead and JT shall hold an ad hoc meeting to discuss Gilead's progress with respect to Commercialization of the Products ("Commercialization Meetings"). Commercialization Meetings may take place by telephonic or video conference or in person at such location as the Parties mutually agree, and there should be no more than [*] Commercialization Meetings per calendar year, provided that additional Commercialization Meetings may also be held with the consent of each Party and neither Party shall unreasonably withhold or delay its consent to hold such additional Commercialization Meetings. Alliance Managers from each Party shall act as the chairperson for the Commercialization Meetings, and shall send an agenda for each Commercialization Meeting at least [*] Business Days prior to the date of such meeting. Each Party shall bear its own costs, including travel, lodging, food and telephone or video conference costs, for its personnel attending any Commercialization Meeting.
  - **5.3 Promotional Materials.** This Section 5.3 does not apply to Promotional Materials of Generic Licensees.
- (a) **Preparation of Promotional Materials.** Gilead shall have the sole right to prepare or have prepared Promotional Materials for Products for the Licensed Indication in the Gilead Expanded Territory (or may use the Promotional Materials for the Products provided to Gilead under the Master Agreement or the Transition Services Agreement to the extent provided therein).
- (b) **Filing of Promotional Materials.** To the extent required by applicable regulatory requirements, Gilead shall file all Promotional Materials as required by the appropriate Regulatory Authority in the Gilead Expanded Territory; provided, however, that JT shall retain the rights to file the same in Japan until MAH Transfer Date to the extent contemplated by the Master Agreement or Ancillary Agreements. All Promotional Materials and Product Labeling shall, to the extent permitted by law, identify JT as the licensor of Products.

# ARTICLE 6 LICENSES, RIGHTS OF NEGOTIATION AND DISCUSSION

**6.1 License to Gilead.** Subject to the terms and conditions of this Agreement( including Section 6.2 with regard to Generic Licensee(s)), (a) as of the Original Agreement Effective Date, JT granted the following licenses to Gilead for the Gilead Original Territory and (b) hereby amends such license to cover Japan as follows: an exclusive (even as to JT and its Affiliates except to the extent provided in this Article 6 or the Master Agreement or Ancillary Agreements), royalty-bearing (in the case of the Gilead Original Territory, hereunder, and in the case of Japan, solely as specified in the Master Agreement) license under the JT Technology to Develop, make, have made, use, sell, have sold, offer for sale and import Compounds and Products for the Licensed Indication in the Gilead Expanded Territory, which license with respect to Japan is fully paid-up and perpetual. Gilead shall have the right to sublicense, [*]. It is understood by the Parties that [*] for the grant of any sublicense for commercialization rights to any JT Technology [*].

**6.2** Generic License for Gilead Global Access Program. JT has provided consents to Gilead entering into Generic Licenses with Generic Licensees under the Gilead Global Access Program in accordance with the terms and conditions set forth in **Schedule 6.2**.

## 6.3 [Reserved]

**6.4 Affiliate Obligations.** To the extent applicable, JT shall require its Affiliates to grant Gilead a license under such Affiliates' Patents and Know-How to the extent necessary for, or actually used during the Original Agreement Term or the Term in, Development and Commercialization activities under this Agreement.

## 6.5 Covenants Regarding Use of Patents and Know-How.

- (a) **JT Scope of License.** JT covenants that it shall not practice the Gilead Technology after the Amended Effective Date outside the scope of the license granted to it under the Master Agreement.
- (b) **Gilead Scope of License.** Gilead covenants that it shall not practice the JT Technology outside the scope of the licenses granted to it pursuant to this Article 6.

## 6.6 Other [*] Products.

- (a) **Permitted Gilead Activities.** During the Term, Gilead or its Affiliates or Sublicensees may (i) [*]; provided, however, that Gilead may not use Confidential Information of JT, and JT does not grant and will not grant Gilead any rights under JT Patents, JT Know-How, or other JT intellectual property to conduct such activities.
- (b) **Permitted JT Activities.** During the Term, JT or its Affiliates may [*]; provided, however, that JT may not use Confidential Information of Gilead, and Gilead does not grant and will not grant JT any rights under Gilead Patents, Gilead Know-How, or other Gilead intellectual property, including the Assigned Assets, to conduct such activities.
- **6.7 No Implied Licenses.** Except as expressly set forth in this Agreement, neither Party grants any license under its intellectual property rights (including without limitation Patents) to the other Party.

## ARTICLE 7 MANUFACTURE AND SUPPLY

**7.1 Manufacturing and Supply.** Except in the case of Japan for (a) activities delegated to JT under the Transition Service Agreement or any Supply Agreement or (b) prior to the Distributor Change Date, those JT is permitted to conduct in Japan as set forth in the Master Agreement, Gilead shall be solely responsible for manufacture and supply of the Compound and finished materials necessary for the Development and Commercialization of Products in the Gilead Expanded Territory.

## ARTICLE 8 COMPENSATION

**8.1** License Fee. The license fee paid by Gilead under the Original Agreement were and shall be [*] hereunder. For clarification, the license fee hereunder shall be paid to JT from Gilead or its Affiliates from the United States or up to two (2) other jurisdictions for which no withholding tax is applicable.

### 8.2 Milestone Payments.

- (a) **HIV.** The Parties acknowledge that all milestones payments to JT required under the Original Agreement have been paid and no further amounts are due. Any such payments were and shall be [*] under this Agreement.
- (b) **Other Indications.** If Gilead desires to pursue Development and Commercialization of a Product or Compound for any Other Indication, the Parties will agree on a schedule of payments for achievement of regulatory and Commercialization milestone events with respect thereto for Products in the Gilead Expanded Territory. If the Parties cannot reach an agreement, they may submit the matter for resolution in accordance with the executive negotiation and arbitration procedures set forth in Section 15.1.

### 8.3 Royalty Payments.

- (a) Rates. Gilead shall pay JT a royalty based on Net Sales of Products sold by Gilead and its Affiliates and Sublicensees in each country in the Gilead Original Territory in a given calendar year during the Payment Term for each Product according to the following rates:
- (i) [*] percent ([*]%) of the portion of aggregate Net Sales of Products in the Gilead Original Territory that is less than or equal to [*] Dollars (\$[*]) in any calendar year;
- (ii) [*] percent ([*]%) of the portion of aggregate Net Sales of Products in the Gilead Original Territory that exceeds [*] Dollars (\$[*]) and that is less than or equal to [*] Dollars (\$[*]) in any calendar year; and
- (iii) [*] percent ([*]%) of the portion of aggregate Net Sales of Products in the Gilead Original Territory that exceeds [*] Dollars (\$[*]) in any calendar year.

#### (b) Global Access Countries.

(i) Exclusion of the sales in Access Countries. For the purpose of Section 8.3, "Net Sales" shall [*], provided, however, that annual net sales and unit sales volume of each of Branded Products and Generic Versions (including, but not limited to, Generic Version containing a combination of APIs that are different from any Product under development or being marketed by Gilead, as set forth in Paragraph 5 of **Schedule 6.2**) in the Access Countries shall be reported by Gilead to JT in writing on a country-by-country and product-by-product basis, within [*] days after the end of each calendar year, to the extent such information is available to Gilead.

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- (ii) <u>Royalties on Generic Net Sales</u>. In addition to the royalties under subparagraph (a), Gilead shall also pay JT a royalty of [*] of Generic Net Sales only in Access Group B Countries of the Generic Territory.
  - (iii) [*]. [*] shall be reported in the quarterly royalty reports to JT under Section 8.4.
- (c) Sales by Sublicensees. Upon request by Gilead, the Parties will in good faith discuss whether an adjustment to the royalty applicable on Net Sales made by Sublicensees outside the [*] in the Gilead Original Territory is appropriate, and if the Parties agree in writing to any adjustment, the royalty rate pursuant to Section 8.3(a) for such sales will reflect such adjustment.
- (d) **Example Calculation.** For example, if aggregate Net Sales of a Product for the Licensed Indication throughout the Gilead Original Territory were equal to [*] Dollars ([*]) in a calendar year, and no offsets or reductions described in Sections 8.3(g), (h) or (i) are applicable, then the royalty payable to JT hereunder for such total Net Sales would be equal to ([*]) plus ([*]) plus ([*]), for a total royalty of [*] Dollars ([*]).
- (e) **Payment Term.** "Payment Term" shall mean the period of time beginning upon the date of Commercial Launch of a Product in the Gilead Original Territory, and ending upon the later of, on a product-by-product and a country-by-country basis: [*].
- (f) Payment for Non-Patent Benefits. This Section 8.3 is intended to provide for payments equal to the percentages of Net Sales set forth above for a minimum of [*] In establishing this payment structure, the Parties recognize, and Gilead acknowledges, the substantial value of the various actions and investments undertaken by JT prior to the Original Agreement Effective Date. Such value is significant and in addition to the value of JT's grant to Gilead of a patent license pursuant to Section 6.1, as it enables the rapid and effective market introduction of the Products for the Licensed Indication in the Gilead Original Territory. The Parties agree that the royalty payments calculated as a percentage of Net Sales in the Gilead Original Territory (plus the license fee and the cost reimbursements provided for elsewhere herein) provide fair compensation to JT for these additional benefits.
- (g) **Generic Products.** If a Third Party is selling in any country units of a Generic Product that, in any calendar year, are greater than [*] percent ([*]) of the sales by Gilead, its Affiliates and Sublicensees of units of such Product (where the API for such Product is chemically identical to the API for the Generic Product) in such country in such year, then the Parties will in good faith discuss a reduction of royalties due under Section 8.3(a) for such country; [*]. If the Parties cannot agree on the amount of such reduction, the royalty due by Gilead pursuant to this Section 8.3 for such country shall be reduced by [*] percent ([*]) of that which would otherwise be due under Section 8.3(a) for such year.
- (h) **Payment of Patent Costs.** In the event that Gilead reasonably elects to prosecute and maintains a patent application within the JT Patents pursuant to Section 9.3(b) in any country, then Gilead shall provide an accounting of such costs to JT and shall offset [*] percent

([*]) of the reasonable costs thereof against amounts due to JT for such country pursuant to Section 8.3; [*].

- (i) **Third Party Royalties.** Promptly upon learning of the need for any payments needed to secure Offsetting Patents in any country, Gilead shall give written notice to JT specifying the amount of such payments and describing the Offsetting Patents. The royalty payments required to be paid on any given date in such country pursuant to Section 8.3 shall be subject to an offsetting reduction on such date by Gilead in an amount equal to [*] percent ([*]) of the amount of Third Party Royalties that are paid to secure Offsetting Patents in such country; [*].
- (j) **Limitation.** Notwithstanding the foregoing, no offsets or reductions made by Gilead in any country pursuant to Section 8.3(g), (h) and (i) shall in the aggregate exceed an amount equal to [*] percent ([*]) of the amount otherwise due pursuant to Section 8.3 in such country. Any amount that has not been offset because of this Section 8.3(j) shall be eligible for offset against the next succeeding royalty payment or payments due for such Product in such country. If such deferred offset is again limited by this Section 8.3(j), the deferred amount shall be subject to offset against future royalty payments for such Product successively until a total of [*] percent ([*]) of all Third Party Royalties made in respect of such Product in such country have been offset against royalty payments paid by Gilead for such Product in such country.

### 8.4 Payment, Rules and Procedures.

- (a) **Quarterly Reports.** Royalties, payments hereunder and written reports showing the calculation and the basis for the payments shall be made by Gilead within [*]days after the end of each Calendar Quarter in which such sales of Product occur in the Gilead Expanded Territory. For clarity, however, only reporting (and not royalties or payments) is required in the case of Japan (as royalties due to JT, if any, for the sales of Product in Japan are set forth in the Master Agreement).
- (b) Other Reports. Within [*] days following the end of each Calendar Quarter in which sales of Product occur in the Gilead Expanded Territory, in the case of sales by Gilead or its Affiliates, or within [*] days after Gilead receives the account of Net Sales from its Sublicensee in the case of sales by Gilead's Sublicensees, Gilead shall submit to JT an estimate of the Net Sales in each country of the Gilead Expanded Territory that occurred in the preceding Calendar Quarter, together with any corrections to estimates submitted in prior Calendar Quarter of the same year.
- (c) **United States Dollars.** Royalty payments by Gilead to JT hereunder shall be made in United States Dollars, based on calculations of such Net Sales converted and stated in United States Dollars. For clarification, the royalty payment hereunder shall be paid to JT from Gilead or its Affiliates from the United States or up to two (2) other jurisdictions for which no withholding tax is applicable.
- (d) **Exchange Rate.** Gilead shall use an exchange rate equal to the spot rate as published in the Eastern Edition of the Wall Street Journal as of the close of business on the business day that is two (2) Business Days before the last business day of the prior month for each month in the applicable Calendar Quarter. For example, the rate used to calculate Net Sales in the month

of April would be the spot rate from the applicable business day in March; if the last business day in March were Wednesday the 31 st, the rate would be based on the applicable spot rate for Monday the 29th, and if the last business day in March were Monday the 31st, the rate would be based on the applicable spot rate for Thursday the 27th. If Gilead changes its currency system, Gilead shall provide JT with prompt written notice and the Parties shall negotiate in good faith a new methodology which is acceptable under GAAP.

- **8.5** Additional Information. Gilead shall provide to JT any other information reasonably requested by JT to determine whether Gilead has made all payments due to JT pursuant to this Article 8.
- **8.6** Taxes and Payments. Each Party shall be responsible for any and all taxes levied on amounts it receives from the other under this Agreement.
- **8.7** Withholding Taxes. If Gilead is required by law, rule or regulation to withhold taxes from payments due JT hereunder, Gilead shall (i) deduct those taxes from the amount remittable to JT hereunder, (ii) promptly pay the taxes to the proper taxing authority, and (iii) send evidence of the obligation together with proof of payment to JT within [*] days following that payment to enable JT to claim all foreign tax credits available to it under law. The Parties understand that under the laws and regulations currently in effect, no withholding taxes apply to any payments made under this Agreement. If changes in the applicable laws and regulations result in withholding tax obligations on payments hereunder, the Parties will engage promptly in good faith discussions in order to adopt changes in order to minimize such obligations.
- **8.8** Payments to or Reports by Affiliates. Any payment required under any provision of this Agreement to be made to either Party, or any report required to be made by any Party, shall be made to or by an Affiliate of that Party if designated in writing by that Party and agreed to by the other as the appropriate recipient or reporting entity.
- 8.9 Late Payments. Any amounts not paid by Gilead when due under this Agreement shall be subject to interest from and including the date payment is due, through and including the date upon which Gilead has made a wire transfer of immediately available funds into an account designated by JT, at an annual rate equal to the sum of [*] percent ([*]%) plus the prime rate of interest quoted in (i) the Money Rates section of the New York edition of the Wall Street Journal calculated daily on the basis of a 365-day year, or (ii) if such edition is unavailable, a similar reputable data source, or (iii) if lower, the highest rate permitted under applicable law: provided that if a higher interest rate applies to payments JT must make to Third Party licensors that are based upon or derived from any late payment by Gilead under this Article 8, then such higher rate shall apply to the portion of such late payment attributable to amounts owed to such Third Party.
- **8.10** Accounting. Each Party shall determine any costs and expenses that may be reimbursed to a Party or reported by a Party under this Agreement using its standard accounting procedures, consistently applied, to the maximum extent practical as if such Product were a solely owned product of the determining Party, except as specifically provided in this Agreement. The Parties also recognize that such procedures may change from time to time and that any such changes may affect the calculation of such costs and expenses. The Parties agree that, where such changes

are economically material to either Party, adjustments shall be made to compensate the affected Party in order to preserve the same economics as reflected under this Agreement.

# ARTICLE 9 INTELLECTUAL PROPERTY

## 9.1 Ownership and Rights.

- (a) **Ownership of Inventions.** Each Party shall own any inventions made solely by its employees, agents or independent contractors in conducting their activities hereunder (each a "**Sole Invention**"). Inventions hereunder made jointly by employees, agents or independent contractors of each Party in the course of performing under this Agreement shall be owned jointly by the Parties in accordance with joint ownership interests of co-inventors as determined under United States patent laws ("**Joint Inventions**"). Inventorship shall be determined in accordance with United States patent laws.
- (b) **Cooperation.** Each Party shall promptly execute all papers and instruments, or require its employees or contractors to execute such papers and instruments, as applicable, so as to effectuate the ownership of JT Technology and Gilead Technology.

## (c) Updates to Schedules.

- (i) The list of Patents covering the structure of, or manufacture or use of, Elvitegravir originally set forth on Schedule 1.9B of the Original Agreement is hereby updated and shall be updated from time to time by JT, as applicable, as set forth on **Schedule 1.59**.
- (ii) Upon Gilead's reasonable request, JT agrees to amend or supplement the list of JT Patents set forth on **Schedule 1.59**.

#### 9.2 IP Subcommittee.

- (a) **Establishment and Scope.** Promptly after the Original Agreement Effective Date, the Parties established, as a subcommittee of the Joint Committee, a joint IP subcommittee (the "**IP Subcommittee**") to function, until the Parties agree to disband such committee, to facilitate and discuss (i) the filing, Prosecution and maintenance of JT Patents and Gilead Patents under Section 9.3; (ii) the filing, prosecution, registration and maintenance of Product Trademarks under Section 9.7; and (iii) the need for or usefulness of any Third Party license. The IP Subcommittee shall operate under the procedures established in this Section 9.2.
- (b) **Composition.** The IP Subcommittee shall be composed of three (3) named representatives of Gilead and three (3) named representatives of JT. Each Party shall appoint its respective representatives to the IP Subcommittee from time to time, and may substitute one or more of its representatives, in its sole discretion, effective upon notice to the other Party of such change. The members of the IP Subcommittee shall have appropriate technical or legal credentials, experience and knowledge, and ongoing familiarity with the Development and Commercialization of Compound(s) and Products, and related Patents and other IP issues arising under this Agreement.

Members of the IP Subcommittee may delegate from time-to-time certain matters arising within the IP Subcommittee as they deem appropriate. Additional representatives or consultants may from time to time, by mutual consent of the Parties, be invited to attend IP Subcommittee meetings, subject to such representative's or consultant's written agreement to comply with the confidentiality and non-use obligations equivalent to those set forth in Article 13. Gilead shall select one (1) of its representatives as the initial chairperson of the IP Subcommittee. On each anniversary of the Original Agreement Effective Date, the Parties shall rotate designation of the chairperson.

- (c) **Governance.** The IP Subcommittee may resolve any issue before it based on a consensus of its members. In the event that the IP Subcommittee cannot or does not, after [*] days of good faith negotiation, reach a consensus on an issue, such conflict shall be resolved pursuant the dispute resolution set forth in Section 2.2. With respect to the need for any Third Party license described in Section 9.2(a)(iii), [*] shall make the final determination of whether to obtain such license.
- (d) **Meetings.** The IP Subcommittee shall meet on an as needed basis as requested by one or both Parties, in a location mutually agreed upon by the Parties, or by means of teleconference, videoconference or other similar communications equipment. Each Party shall bear its own expenses related to the attendance of such meetings by its representatives. No IP Subcommittee meeting may be conducted unless at least two (2) representatives of each Party are participating. The IP Subcommittee may choose to disband, as appropriate based on the reduced need for oversight of JT Patents or Gilead Patents under Section 9.3, or the reduced need for oversight of Product Trademark issues under Section 9.7.

#### 9.3 Prosecution of Patents.

(a) **Prosecution.** As used herein, "**Prosecution**" shall mean any procedure or practice before an administrative agency such as the United States Patent and Trademark Office, or an equivalent agency, including but not limited to interferences, reexaminations, reissues, oppositions. and the like.

## (b) JT Patents.

(i) **General.** Except as otherwise set forth in this Section 9.3 and, in the case of the Access Group A Countries, subject to **Schedule 6.2**, JT shall be responsible for the filing, Prosecution and maintenance of JT Patents on a worldwide basis at its sole expense. If JT determines to abandon or not file or maintain any (i) Patent within the JT Patents in any country in the Gilead Expanded Territory; or (ii) any claim or subject matter directed to a composition of matter, manufacture or use of a Compound or Product in the Licensed Indication in any country in the Gilead Expanded Territory, then JT shall promptly notify the representatives of the IP Subcommittee and shall provide Gilead with thirty (30) days prior written notice of such determination (or such other period of time reasonably necessary to allow Gilead to assume such responsibilities). Gilead shall then have the opportunity to file, Prosecute or maintain such Patent, claims or subject matter in such country in Gilead's name and at Gilead's sole expense, and if Gilead is Commercializing Product in such country, [*] percent ([*]) of any such costs incurred by Gilead shall be creditable against royalties to be paid to JT under Section 8.3 in that country; [*].

- (ii) **JT Patent Expenses in Access Group A Countries.** JT Patent Expenses in Access Group A Countries shall be billed to Gilead quarterly and shall be paid by Gilead to JT within thirty (30) days from receipt of invoice, such invoice and payments to be in United States Dollars (converted from other currencies pursuant to JT's central currency conversion system). The IP Subcommittee shall determine a reasonable strategy, including the [*] that would cause JT to incur JT Patent Expenses in Access Group A Countries. If the IP Subcommittee agrees on the strategy for such proceeding or action, then Gilead will reimburse JT for such JT Patent Expenses in Access Group A Countries. If the IP Subcommittee does not agree on a strategy for such proceeding or action at any time, then (a) JT will be entitled to pursue its own strategy for such proceeding or action, keeping Gilead reasonably informed, and (b) Gilead [*] for such proceeding or action. Any such failure by the IP Subcommittee to agree shall not be subject to further review under Section 9.2(c) or Article 15. For clarity, [*] even if Gilead does not agree on the strategy thereof.
- (iii) Interference, Opposition, Reexamination and Reissue. If JT becomes aware of any request for, or filing or declaration of any interference, opposition, or reexamination relating to JT Patents in the Gilead Expanded Territory for which JT is responsible for Prosecution, JT shall inform Gilead within thirty (30) days of learning of such event. The Parties shall reasonably cooperate with respect to such interference, opposition, or reexamination. Gilead shall have the right to review and consult with JT regarding any submission to be made in connection with such proceeding. JT shall give Gilead timely notice of any proposed settlement of an interference relating to an JT Patent, and shall not enter into such settlement without Gilead's prior written consent (such consent not to be unreasonably withheld or delayed).
- (iv) **English Translation of JT Patents.** JT has provided Gilead with English language translations of the JT Patents listed on Schedule 1.48 of the Original Agreement, and will provide Gilead with English language translations of any other JT Patents included in **Schedule 1.59** as soon as practicable.
- (c) Gilead Patents. Except as otherwise set forth in this Section 9.3, Gilead shall be responsible for the filing, Prosecution and maintenance of the Gilead Patents at its sole expense. If Gilead determines to abandon or not file or maintain any (i) Patent within the Gilead Patents in any country; or (ii) any claim or subject matter directed to a composition of matter, manufacture or use of a Compound or Product in the Licensed Indication in any country, then Gilead shall promptly notify the representatives of the IP Subcommittee and shall provide JT with thirty (30) days prior written notice of such determination (or such other period of time reasonably necessary to allow JT to assume such responsibilities). JT shall then have the opportunity to file, Prosecute or maintain such Patent, claims or subject matter in any such country in JT's name and at JT's sole expense.
- (d) **Joint Patents.** Except as otherwise set forth in this Section 9.3 and in the case of certain Access Countries, subject to **Schedule 6.1**, with respect to Joint Inventions, the IP Subcommittee shall determine which Party shall file, Prosecute or maintain Patents covering such Joint Inventions ("**Joint Patents**"). Except as provided in the final sentence of this Section 9.3(d), if either Party Prosecutes a Joint Patent, such Party shall solely bear its own internal costs thereof,

and the external costs for such Prosecution (e.g., outside counsel, filing fees, etc.) shall be borne equally by the Parties. Except to the extent either Party is restricted by the licenses granted to the other Party and covenants contained herein, and to the extent permitted by law, each Party shall be entitled to practice, and to grant to Third Parties or its Affiliates the right to practice, inventions claimed in a Joint Patent without restriction or an obligation to account to the other Party. Either Party may disclaim its interest in any particular Joint Patent, in which case (i) the disclaiming Party shall assign its ownership interest in such Joint Patent to the other Party for no additional consideration, (ii) the Party that is then the sole owner shall he solely responsible for all future costs of such Patent, and (iii) the disclaiming Party shall hold no further rights thereunder and such Patent shall thereafter not be a Joint Patent.

## (e) Cooperation.

- (i) If Gilead determines that (A) regulatory exclusivity of a Patent is required in a country in Gilead Expanded Territory and (B) the failure to obtain such regulatory exclusivity will have a material adverse impact on Gilead's activities with respect to the Compound or Product in such country, then it shall notify JT in writing of such determinations and propose a commercially reasonable means to obtain such regulatory exclusivity. The Parties shall cooperate with each other in good faith to take whatever actions are reasonably appropriate in a timely manner to address the material adverse impact. JT shall not be required to effect any transfer or assignment of its Patent rights for the purpose of obtaining regulatory exclusivity in any country in the Gilead Expanded Territory without JT's express written consent, which shall not be unreasonably withheld.
- (ii) Neither Party may take any action under this Section 9.3 that would otherwise interfere with or prevent the other Party from fulfilling its diligence obligations under this Agreement.
- (iii) If either Party becomes aware of any Patents, information or proceeding that relate to any JT Patent, Gilead Patent or Joint Patent that may adversely impact the validity, title or enforceability of such JT Patent, Gilead Patent or Joint Patent, such Party shall promptly notify the other Party of such patent, information or proceeding, provided that such notification would not contravene any existing, relevant obligations of confidentiality to which such Party may be subject.
- (f) **Diligence.** The Parties shall use Diligent Efforts to pursue claims and subject matter in Patents directed to Elvitegravir (a) in each [*]; and (b) in such other countries in the Gilead Expanded Territory where Gilead reasonably requests. In the United States the Parties shall use Diligent Efforts to [*]. In all [*] the Parties shall use Diligent Efforts to pursue claims in such Patents so that such claims would issue in a timely manner.
- (g) **Third Party License Rights.** To the extent any rights granted under this Article 9 relate to Patents subject to a license to either Party of Third Party technology, such rights shall be subject to the terms and conditions of such licenses, and the provisions of this Article 9 shall apply to such Patents only to the extent consistent with such licenses.

### 9.4 Infringement of Patents by Third Parties.

#### (a) Notification.

- (i) **Notice.** If either Party learns of any alleged or threatened infringement of the JT Patents or Gilead Patents, or any misappropriation or misuse of Know-How, of which the other Party is a sole owner, co-owner or licensee, such Party shall promptly notify, in writing, the other Party of such infringement, misappropriation or misuse. Any infringement reported hereunder shall be an "**Infringement**".
- (ii) Certifications. Each Party shall inform the other Party of any certification regarding any JT Patent or Gilead Patent that it has received pursuant to either 21 U.S.C. §§ 355(b)(2)(A)(iv) or (j)(2)(A)(vii)(IV) or its successor provisions, or Canada's Patented Medicines (Notice of Compliance) Regulations Article 5, or any similar provisions in a country other than the United States and Canada, and shall provide the other Party with a copy of such certification within [*] days of receipt by such Party. JT's and Gilead's rights with respect to the initiation and prosecution of any legal action as a result of such certification or any recovery obtained as a result of such legal action shall be as defined in this Section 9.4.

## (b) Infringement of JT Patents.

- (i) **First Right.** JT shall have the first right, but not the obligation, to prosecute Infringement of the JT Patents by activities conducted by Third Parties. Except as otherwise provided in **Schedule 6.2** in the case of certain Access Countries, such prosecution shall be at JT's own expense and responsibility; provided, however, that Gilead may separately represent itself in such prosecution by counsel of its own choice (at Gilead's own expense), in which case Gilead shall cooperate fully with JT.
- (ii) **Back-up Right for Infringement in the Gilead Expanded Territory.** If within [*] days after notification pursuant to Section 9.4(a)(i), or [*] days before the time limit, if any, set forth in the appropriate laws and regulations for the filing of such actions, whichever comes first, JT does not prosecute Infringement, then Gilead shall have the right, but not the obligation, to bring at Gilead's expense and in its sole control, such appropriate action in the Gilead Expanded Territory. Such prosecution shall be at Gilead's own expense and responsibility; provided, however, that JT may separately represent itself in such prosecution by counsel of its own choice (at JT's own expense), in which case JT shall cooperate fully with Gilead.
- (c) **Infringement of Gilead Patents.** Gilead shall have the first right, but not the obligation, to bring, at its own expense, an appropriate action against the person or entity Infringing a Gilead Patent. JT shall be entitled to separate representation in such matter by counsel of its own choice (at its own expense), in which case JT shall cooperate fully with Gilead.

### (d) Cooperation and Diligence.

(i) For any action to terminate any Infringement of JT Patents, or any misappropriation or misuse of JT Know-How, if either Party is unable to initiate or prosecute such action solely in its own name, the other Party shall join such action voluntarily and shall execute all documents necessary to initiate litigation to prosecute and maintain such action. In connection

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with any such action, Gilead and JT shall cooperate fully and will provide each other with any information or assistance that either reasonably requests. Each Party shall keep the other informed of developments in any such action or proceeding, including, to the extent permissible by law, the consultation and approval of any offer related thereto.

- (ii) Notwithstanding the obligations under Sections 9.4(b) and 9.4(c), neither Party may take any action under this Section 9.4 that would otherwise interfere with or prevent the other Party from fulfilling its diligence obligations under this Agreement.
- (e) **Joint Patents.** With respect to Third Party Infringement of jointly owned Joint Patents other than that Infringement described in Sections 9.4(b) and 9.4(c), the Parties shall confer and take such action in such manner as they shall agree. If the Parties are unable after a reasonable period of time to agree on how to proceed, then each Party may exercise its rights as joint owner of the affected Joint Patent in accordance with Section 9.1. The Parties shall allocate their expenses and recoveries in relation to such actions as they shall agree, provided that unless the Parties otherwise agree in writing, they shall divide such recoveries as set forth in Section 9.4(f)(iii).
- (f) **Allocation of Proceeds.** If either Party recovers monetary damages from any Third Party in an action brought under Section 9.4(b), Section 9.4(c) or Section 9.4(e), whether such damages result from the Infringement of JT Patents or Gilead Patents, such recovery shall be allocated first to the reimbursement of any expenses incurred by the Parties in such litigation (including, for this purpose, a reasonable allocation of expenses of internal patent officers). Any remaining amounts after such allocations ("**Net Recovery**") shall be split as follows:
- (i) The portion of any Net Recovery that represents recovery for Infringement in the Gilead Original Territory relating to Products ("Remaining Competitive Recovery") shall be allocated to JT in an amount equal to the total royalty that would have been payable to JT under Article 8 if Gilead had made Net Sales equivalent to the sales made by the Third Party underlying the award. The remaining portion of the Remaining Competitive Recovery shall be allocated to Gilead.

#### (ii) [Reserved]

(iii) The portion of any Net Recovery that represents recovery for Infringement in an action brought pursuant to Section 9.4(e) shall be [*] percent ([*]) to Gilead and [*] percent ([*]) to JT, unless Gilead and JT otherwise agree in writing.

### 9.5 Infringement of Third Party Rights.

## (a) Defense.

(i) Gilead shall have the right, but not the obligation, to defend against any claim or initiate any declaratory judgment action relating to a Compound or Product, or bring any such action necessary to protect its interest in such Compound or Product, in the Gilead Expanded Territory at its own expense, and JT shall have the right to participate in any such suit,

at its own expense. The Parties shall reasonably cooperate with respect to the defense of the claim, including if required to conduct such defense, furnishing a power of attorney.

- (ii) If, within [*] days of receiving the notice provided for in Section 9.4(a), or [*] days before the time limit, if any, set forth in the appropriate laws and regulations for the filing of a claim or response in such actions, whichever comes first, Gilead fails to take such action, or if Gilead informs JT that it elects not to exercise such first right, JT (or its designee) thereafter shall have the right to defend against such claim or initiate any declaratory judgment action relating to a Compound or Product or bring any such action necessary to protect its interest in such Compound or Product. The Parties shall reasonably cooperate with respect to the defense of the claim, including if required to conduct such defense, furnishing a power of attorney, provided that JT shall have the right to approve in advance (such approval not to be unreasonably withheld or delayed) Gilead's strategy in any such action to the extent that such claim potentially relates to the scope, validity or enforceability of the JT Patents.
- (b) **Noncontravention.** Nothing in this Section 9.5 shall be deemed to relieve either Party of its obligations under Article 11.
- **9.6 Settlement.** Each Party shall give the other Party timely written notice of the proposed settlement of any action under Sections 9.4 or 9.5, and neither Party shall consent to the entry of any judgment or settlement or otherwise compromise any such action or suit in a way that adversely affects the other Party's intellectual property rights or its rights or interests with respect to the Compound or a Product without such other Party's prior written consent (not to be unreasonably withheld).
  - 9.7 Selection, Registration and Use of Product Trademarks.
    - (a) [Reserved]
    - (b) Registration.
- (i) Gilead will own all trademarks for the Products in the Gilead Expanded Territory ("**Product Trademarks**") and be responsible for registering any Product Trademarks within the Gilead Expanded Territory. For clarity, Product Trademarks shall not include corporate names, logos or trademarks for JT and its Affiliates or Gilead and its Affiliates. Gilead shall use commercially reasonable efforts to maintain the Product Trademarks as a valid and effective trademark registration in the Gilead Expanded Territory and shall be responsible for all taxes and fees required in connection therewith. JT agrees to provide Gilead with all reasonable assistance for that purpose.

## 9.8 Trademark Infringement.

(a) **Gilead.** Gilead shall have the right, but not the obligation, to defend against any claim or initiate any action relating to the Product Trademarks (including Third Party Claims of infringement against any such Product Trademarks) for any Product in the Gilead Expanded

Territory at its own expense, and JT shall have the right to participate in any such suit, at its own expense.

#### (b) [Reserved]

(c) **Damages.** The damages, if any, recovered from any such action under this Section 9.8 shall first go to reimbursement of each Party's respective costs with the remainder of recovery going to the Party who initiated such action or defense. The Parties shall reasonably cooperate with respect to the defense of the claim, including if required to conduct such defense, furnishing a power of attorney.

## ARTICLE 10 REPRESENTATIONS AND WARRANTIES

- **10.1 Mutual Representations and Warranties.** Each Party hereby represents, warrants and covenants (as applicable) to the other Party as of the Original Execution Date and, where specified, the A&R Execution Date as follows:
- (a) **Corporate Existence and Power.** It is a company or corporation duly organized, validly existing and in good standing under the laws of the jurisdiction in which it is incorporated, and has full corporate power and authority and the legal right to own and operate its property and assets and to carry on its business as it is now being conducted and as contemplated in this Agreement, including, without limitation, the right to grant the licenses granted hereunder.
- (b) Authority and Binding Agreement. (i) It has the corporate power and authority and the legal right to enter into this Agreement and perform its obligations hereunder; (ii) it has taken all necessary corporate action on its part required to authorize the execution and delivery of this Agreement and the performance of its obligations hereunder; and (iii) this Agreement has been duly executed and delivered on behalf of such Party, and constitutes a legal, valid and binding obligation of such Party that is enforceable against it in accordance with its terms.
- (c) **No Conflict.** It has not entered, and shall not enter, into any agreement with any Third Party that is in conflict with the rights granted to the other Party under this Agreement, and has not taken and shall not take any action that would in any way prevent it from granting the rights granted to the other Party under this Agreement, or that would otherwise materially conflict with or adversely affect the rights granted to the other Party under this Agreement. Its performance and execution of this Agreement shall not result in a material breach of any other contract to which it is a Party.
- (d) **No Misappropriation.** It has not misappropriated, and shall not misappropriate, the trade secret of any Third Party in the course of performing its responsibilities under this Agreement.
- (e) **Rights in Technology.** It has sufficient right in and to its Know-How and Patents, free and clear of any conflicting Third Party rights, to grant the rights set forth in this Agreement. During the Term, each Party shall devote Diligent Efforts not to diminish the rights

under Know-How and Patents owned or Controlled by it that are granted to the other Party herein, including without limitation by not committing or permitting any acts or omissions which would cause the material breach of any agreements between itself and Third Parties that provide access to or rights under intellectual property rights applicable to the development, manufacture, use or sale of Products. Each Party agrees to provide promptly to the other Party notice of any such alleged breach. Each Party is in compliance in all material respects with any such agreements with Third Parties. Furthermore, where an agreement or arrangement between a Party and a Third Party governing licenses under intellectual property that, but for a requirement to obtain such Third Party's consent to grant a license or sublicense as provided for in the Agreement, would be included in the JT Technology or the Gilead Technology, as applicable, the relevant Party to such agreement or arrangement shall use commercially reasonable efforts to obtain such consent, provided that if obtaining such consent would impose an economic burden on the other Party, then such intellectual property shall not be deemed to be Controlled by the Party requesting consent unless the other Party agrees in writing to assume such economic burden.

- **10.2 JT Representations.** JT represents and warrants to Gilead as of the Original Execution Date and where specified, the A&R Execution Date:
- (a) **JT Patents**. As of the A&R Execution Date, the JT Patents listed in **Schedule 1.59** are all of the Patents that JT Controls that would be infringed, but for the licenses granted to Gilead or its Affiliates pursuant to this Agreement, by the manufacture, Development, use, sale, offer for sale or importation of Products for treatment and prophylaxis of HIV infection in the Gilead Expanded Territory by Gilead.
- (b) **No Liens on JT Patents.** To the actual knowledge of the Key JT Personnel, the JT Patents are free and clear of any liens and encumbrances except for any minor liens and encumbrances that arise in the ordinary course of business and that do not materially detract from JT's ability to grant licenses thereunder to Gilead as provided herein.
- (c) **Third Party Know-How.** To the actual knowledge of Key JT Personnel, all Know-How required for the licenses granted to Gilead in this Agreement is Controlled by JT.
- (d) **Commercialization of Products.** To the actual knowledge of the Key JT Personnel there are no Patents (other than the JT Patents) that would be infringed by the manufacture, development, use, sale, offer for sale or importation of Compound for treating HIV infection in the Gilead Expanded Territory.
- (e) **Non-Infringement of JT Technology by Third Parties.** To the actual knowledge of the Key JT Personnel there are no activities by Third Parties that would constitute infringement or misappropriation of the JT Technology as applied to treating HIV infection within the Gilead Expanded Territory.
- (f) **No Sublicensee**. There is no Third Party that is or has been a (sub)licensee of JT or its Affiliates with respect to any (i) Patents or (ii) Know-How that is, in either case ((i) or (ii)), necessary for, or actually used during the term of the Original Agreement in, the Development or Commercialization of a Product.

- 10.3 Non-infringement of Third Party Rights. To the actual knowledge of the Key JT Personnel there are no claims by a Third Party that any Patent or trade secret right owned or controlled by such Third Party would be infringed or misappropriated by the manufacture, develop, use, sale, offer for sale or importation of Compound for use in treating HIV infection in the Gilead Expanded Territory.
- 10.4 Knowledge of Specified Individuals. No knowledge shall be imputed to any Key JT Personnel, and no Key JT Personnel shall be expected or required to undertake any investigation or inquiry of any nature for the purpose of verifying the accuracy of any representation, warranty or other statement set forth in this Agreement.
- 10.5 Gilead Representations and Covenant. Gilead represents and warrants to JT as of the A&R Execution Date that neither Gilead nor its Affiliates is a party to any agreement which would (i) restrict Gilead or its Affiliates from [*], or any other [*] for [*] that Gilead or its Affiliate or Sublicensee owns or Controls (or comes to Control) together with [*], and (ii) as a result of such restriction, would inhibit the Development or Commercialization of Product. Gilead agrees not to enter into and to cause its Affiliates not to enter into any such agreement during the Term.
- 10.6 Disclaimer. Gilead understands that Compound or Products are the subjects of ongoing clinical research and development and that JT cannot assure the safety or usefulness of Compound and Products. JT makes no warranty except as set forth in this Article 10 (other than those set forth in the Master Agreement or any Ancillary Agreement) concerning its Patents or Know-How.
- 10.7 No Other Representations. The express representations and warranties stated in this Article 10 (other than those set forth in the Master Agreement or any Ancillary Agreement) are in lieu of all other representations and warranties, express, implied, or statutory, including without limitation, warranties of merchantability, fitness for a particular purpose, non-infringement or non-misappropriation of Third Party intellectual property rights.

## ARTICLE 11 INDEMNIFICATION

11.1 Indemnification by JT. JT hereby agrees to defend, hold harmless and indemnify (collectively "Indemnify") Gilead and its Affiliates, agents, directors, officers and employees (the "Gilead Indemnitees") from and against any and all liabilities, expenses or losses, including without limitation reasonable legal expenses and attorneys' fees (collectively "Losses") in each case resulting from Third Party suits, claims, actions and demands (each, a "Third Party Claim") arising directly or indirectly out of (i) a breach of any of JT's obligations under this Agreement, including without limitation JT's representations and warranties or covenants pursuant to Article 10 (other than those set forth in the Master Agreement or any Ancillary Agreement); or (ii) (A) the research, development, or use of Compounds or Products by JT or its Affiliates anywhere in the world, or (B) the sale, offer for sale or importation of Compound or Products by JT or its Affiliates or Third Party licensees conducted in Japan and to the extent that such sale, offer for sale or importation is conducted prior to January 1, 2019. JT's obligation to Indemnify the Gilead Indemnitees pursuant to this Section 11.1 shall not apply to the extent that any such Losses (A) arise from the negligence

or intentional misconduct of any Gilead Indemnitee; (B) arise from any breach by Gilead of this Agreement or any Supply Agreement (including without limitation any such breach that results in any defect in Compound or Products or failure of Compound or Products to conform to relevant specifications arising out of Gilead's failure to manufacture and supply, or to have manufactured and supplied Compound or Product to JT in compliance with any Supply Agreement); or (C) are Losses for which Gilead is obligated to Indemnify the JT Indemnitees pursuant to Section 11.2.

- 11.2 Indemnification by Gilead. Gilead hereby agrees to Indemnify JT and its Affiliates, agents, directors, officers and employees (the "JT Indemnitees") from and against any and all Losses resulting from Third Party Claims arising directly or indirectly out of (i) a breach of any obligations of Gilead under this Agreement, including without limitation Gilead's representations and warranties or covenants pursuant to Article 10; or (ii) the Development, manufacture (to the extent of any formulation work performed by Gilead pursuant to Article 7), storage, distribution, promotion, labeling, handling, use, sale, offer for sale or importation of Compound or Products by Gilead, its Affiliates, its Third Party licensees or its Generic Licensees in the Gilead Expanded Territory (subject to Section 11.3). Gilead's obligation to Indemnify the JT Indemnitees pursuant to the foregoing sentence shall not apply to the extent that any such Losses (A) arise from the negligence or intentional misconduct of any JT Indemnitee; (B) arise from any breach by JT of this Agreement or any Supply Agreement; or (C) are Losses for which JT is obligated to Indemnify the Gilead Indemnitees pursuant to Section 11.1. A Supply Agreement, if any, may provide additional indemnification obligations of Gilead as the supplier of Compound or Products, including without limitation that Gilead shall indemnify JT for any Third Party Claims arising out of any failure by Gilead to manufacture and supply, or to have manufactured and supplied, Compound or Products in compliance with such agreements.
- 11.3 Unknown Source Product Liability. All other liabilities, losses, damages, costs or expenses (including reasonable legal fees) relating to or involving the Compound or Products, including the inherent properties and characteristics of Compound or Products, which are not covered by Section 11.1 or Section 11.2 shall be the responsibility of the Party marketing the Compound or Products in the country in which the Compound or Products were sold at the time of such sale. Both Parties hereby acknowledge and agree that the Party marketing the Compound and Products sold in Japan prior to January 1, 2019 shall be JT and that the Party marketing the Compound and Products sold in Japan on or after January 1, 2019 shall be Gilead (whether or not Gilead has commenced marketing the Products as of such date). Such marketing Party shall Indemnify the other Party, its Affiliates, directors, officers, employees or agents may incur or be required to pay resulting from or arising in connection therewith.
- 11.4 Procedure. To be eligible to be Indemnified hereunder, the indemnified Party shall provide the indemnifying Party with prompt notice of the claim giving rise to the indemnification obligation pursuant to this Article 11 and the exclusive ability to defend (with the reasonable cooperation of the indemnified Party) or settle any such claim; provided, however, that the failure to so notify the indemnifying Party shall not relieve the indemnifying Party from any Liability that it may have to the indemnified Party, except to the extent that such failure actually and materially prejudices the indemnifying Party's ability to defend such claim; and further provided, that the

indemnifying Party shall not enter into any settlement for damages other than monetary damages without the indemnified Party's written consent, such consent not to be unreasonably withheld, delayed or conditioned. The indemnified Party shall have the right to participate, at its own expense and with counsel of its choice, in the defense of any claim or suit that has been assumed by the indemnifying Party. If the Parties cannot agree as to the application of Sections 11.1, 11.2 or 11.3 to any particular Third Party Claim, the Parties may conduct separate defenses of such Third Party Claim.

- 11.5 Insurance. Each Party shall procure and maintain insurance (or self-insure or retain risks at each Party's discretion), including product liability insurance, adequate to cover its obligations hereunder and which are consistent with normal business practices of prudent companies similarly situated at all times during which any Product is being clinically tested with human subjects or commercially distributed or sold. It is understood that such insurance shall not be construed to create a limit of either Party's liability with respect to its indemnification obligations under this Article 11. Each Party shall provide the other with written evidence of such insurance or ability to retain risks upon request. Each Party shall provide the other with written notice at least thirty (30) days prior to the cancellation, non-renewal or material change in such insurance or self-insurance or ability to retain risks which materially adversely affects the rights of the other.
- 11.6 Limitation of Liability. EXCEPT TO THE EXTENT SUCH PARTY MAY BE REQUIRED TO INDEMNIFY THE OTHER PARTY UNDER THIS ARTICLE 11 OR UNDER THE MASTER AGREEMENT OR ANY ANCILLARY AGREEMENTS, AND EXCEPT FOR A PARTY'S BREACH OF ITS OBLIGATIONS UNDER SECTION 6.5 OR ARTICLE 13, NEITHER PARTY NOR ITS RESPECTIVE AFFILIATES AND LICENSEES SHALL BE LIABLE FOR SPECIAL, EXEMPLARY, CONSEQUENTIAL OR PUNITIVE DAMAGES, WHETHER IN CONTRACT, WARRANTY, TORT, STRICT LIABILITY OR OTHERWISE.

## ARTICLE 12 RECORDS; AUDITS; PUBLICATIONS

12.1 Records; Audits. Each Party shall keep or cause to be kept such records as are required to determine, in a manner consistent with generally accepted accounting principles in the United States with respect to JT, and in Japan with respect to Gilead, the sums or credits due under this Agreement. If either Party requires additional information from the other Party in order to comply with the generally accepted accounting principles in the United States (for JT) or Japan (for Gilead), then the other Party shall make its reasonable efforts to provide such information promptly. At the request (and expense) of either Party (the "Auditing Party"), the other Party (the "Audited Party") and its Affiliates and licensees and Sublicensees shall permit an independent certified public accountant appointed by the Auditing Party and reasonably acceptable to the Audited Party, at reasonable times and in the presence of representatives of the Audited Party, upon reasonable notice and no more frequently than [*] per [*], to examine only those records as may be necessary to determine, with respect to any [*] ending not more than [*] years prior to such Auditing Party's request, the correctness or completeness of any report or payment made under this Agreement. The auditor's reports of any such examination shall be (i) limited to information relating to the Products, (ii) made available to both Parties, and (iii) subject to Article 13. The Auditing

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Party shall bear the full cost of the performance of any such audit, unless such audit discloses an underpayment of more than [*] from the amount actually due to the Auditing Party. In such case, the Audited Party shall [*] of the performance of such audit. Notwithstanding the foregoing, **Schedule 6.2** shall govern the Parties' respective rights and obligations with respect to the audit of Generic Licensees.

12.2 Review of Publications and Marketing Materials. If a Party wishes to publish or present the results of any clinical or other studies permitted to be performed by such Party under this Agreement, such Party shall provide the other Party a copy of any proposed abstracts, manuscripts or presentations (including verbal presentations) that relate to any Product as soon as practicable prior to their intended submission for publication or presentation. The other Party shall have the right to (i) review and propose modifications to the publication or presentation for patent reasons, trade secret reasons or business reasons or (ii) to request a reasonable delay (not to exceed [*] days) in publication or presentation in order to protect patentable information. If the other Party requests modification to the publication or presentation, the publishing Party shall edit such publication or presentation. Neither Party shall publish or present the other Party's Confidential Information.

## ARTICLE 13 CONFIDENTIALITY

- 13.1 Treatment of Confidential Information. The Parties agree that during the Term, and for a period of [*] years after this Agreement expires or terminates, a Party receiving Confidential Information of the other Party shall (i) maintain in confidence such Confidential Information to the same extent such Party maintains its own proprietary industrial information of similar kind and value (but at a minimum each Party shall use commercially reasonable efforts to maintain Confidential Information in confidence); (ii) not disclose such Confidential Information to any Third Party without prior written consent of the disclosing Party, except for disclosures made in confidence to any Third Party pursuant to a plan approved by the Parties, or to its licensees or Sublicensees who agree to be bound by obligations of non-disclosure and non-use at least as stringent as those contained in this Article 13; and (iii) not use such Confidential Information for any purpose except those purposes permitted by this Agreement or the Master Agreement.
- **13.2 Authorized Disclosure.** Notwithstanding any other provision of this Agreement or the Master Agreement, each Party may disclose Confidential Information of the other Party:
- (i) to the extent and to the persons and entities required by an applicable law, rule, regulation or order; provided, however, that the Party required to disclose Confidential Information shall first have given prompt notice to the other Party hereto to enable such Party to seek any available exemptions from, or limitations on, such disclosure requirement and shall reasonably cooperate in such efforts with the other Party;
- (ii) to the extent and to the persons and entities required by rules of the National Association of Securities Dealers, the Japanese Securities Dealers Association or any other applicable association governing the stock exchange on which a Party's stock is listed; and

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- (iii) as necessary to file or prosecute patent applications, prosecute or defend litigation or otherwise establish rights or enforce obligations under this Agreement, but only to the extent that any such disclosure is necessary.
- 13.3 Publicity; Terms of Agreement. The Parties agree that the material terms of this Agreement, and the fact that discussions concerning this Agreement are taking place, are included within the Confidential Information of both Parties, subject to the special authorized disclosure provisions set forth in Sections 13.2 and 13.4 and the Master Agreement. JT acknowledges that Gilead may wish or be required to issue press releases relating to the activities under this Agreement. Except as permitted under Sections 13.4(b)-(d), JT shall have the right to issue press releases relating to the activities under this Agreement only with the prior written approval of Gilead.

### 13.4 Review of Press Releases .

- (a) If Gilead wishes to issue press releases or otherwise make public statements or disclosures concerning this Agreement, Gilead shall give reasonable prior advance notice of the proposed text of such announcement to JT for review and comment (except as otherwise provided herein).
- (b) A Party may repeat any information as to the terms of this Agreement that have already been publicly disclosed by such Party in accordance with Section 13.2 or 13.3 without going through the review procedures set forth in this Section 13.4(a).
- (c) A Party may disclose the terms of this Agreement to potential investors, sublicensees or commercial partners who are bound in writing by obligations of non-disclosure and non-use of the terms of this Agreement at least as stringent as those contained in this Article 13.
- (d) A Party may disclose the financial terms of this Agreement to any Third Party or in any press release only (i) with the prior written approval of the other Party, or (ii) if required by applicable Law, rule or regulation.

## ARTICLE 14 TERM AND TERMINATION

14.1 Term. This Agreement shall be effective and commence on the Amended Effective Date and until such date, the Original Agreement shall continue in effect. As of the Amended Effective Date, the Original Agreement is hereby automatically terminated, except that the surviving terms of the Original Agreement shall continue to govern activities that occurred under the Original Agreement. This Agreement, unless terminated earlier pursuant to (a) Sections 14.2, 14.3 and 14.4 or (b) in the event this Agreement terminates as a result of the termination of the Master Agreement (in which case the Original Agreement shall remain in effect), shall be in full force and effect until the expiration of the last to expire Payment Term (the "Term"). Upon expiration of the Payment Term in a particular country in the Gilead Original Territory, the licenses granted under Article 6 shall become fully paid-up with respect to such country.

**14.2 Elective Termination by Gilead.** Gilead shall have the right in its sole discretion and for any reason to terminate this Agreement in its entirety, upon [*] months' prior written notice to JT.

#### 14.3 Termination for Breach.

- (a) **Notice.** If either Party believes that the other Party is in material breach of this Agreement, then the Party holding such belief (the "Non-breaching Party") may deliver notice of such breach to the other Party (the "Notified Party"). The Notified Party shall have [*] days to cure such breach to the extent involving non-payment of amounts due hereunder, and [*] days to either cure such breach, or, if cure of such breach other than non-payment cannot reasonably be effected within such [*]-day period, to deliver to the Non-breaching Party a plan reasonably calculated to cure such breach within a timeframe that is reasonably prompt in light of the circumstances then prevailing. Following delivery of such plan, the Notified Party shall devote Diligent Efforts to carry out the plan and cure the breach.
- (b) **Termination for JT's Breach.** If JT fails to cure a material breach of this Agreement as provided for in Section 14.3(a) then Gilead shall have the right in its sole discretion, upon written notice to JT, to terminate this Agreement [*].
- (c) **Termination for Gilead's Breach.** If Gilead fails to cure a material breach of this Agreement as provided for in Section 14.3(a), JT shall have the right in its sole discretion, upon written notice to Gilead, to terminate this Agreement[*].
- (d) **Disputes.** If a Party gives notice of termination under this Section 14.3 and the other Party disputes whether such termination is proper under this Section 14.3, then the issue of whether this Agreement may properly be terminated upon expiration of the notice period (unless such breach is cured as provided in Section 14.3(a)) shall be resolved in accordance with Article 15. If as a result of such dispute resolution process it is determined that the notice of termination was proper, then such termination shall be deemed to have been effective [*] days following the date of the notice of breach. If as a result of such dispute resolution process it is determined that the notice of termination was improper, then no termination shall have occurred and this Agreement shall remain in effect.

### 14.4 Termination for Bankruptcy/Insolvency.

(a) **Termination.** Either Party may terminate this Agreement in its entirety if (i) the other Party files in any court or agency pursuant to any statute or regulation of any state or country, a petition in bankruptcy or insolvency or for reorganization or for an arrangement or for the appointment of a receiver or trustee of Party or of its assets, (ii) the other Party proposes a written agreement of composition or extension of its debts, (iii) the other Party is served with an involuntary petition against it, filed in any insolvency proceeding, and such petition is not dismissed within [*] days after the filing thereof, (iv) the other Party proposes, or is a Party to, any dissolution or liquidation, or (v) the other Party makes an assignment for the benefit of creditors.

- (b) **Rights Under US Bankruptcy Code.** The Parties agree that, in the event either Party becomes subject to proceedings under the US Bankruptcy Code, the other Party, as a licensee of such rights under this Agreement, shall retain and may fully exercise all of its rights and elections under the US Bankruptcy Code. This Section 14.4 is not intended to limit any rights such other Party would have under applicable law including, without limitation, 11 U.S.C. § 365(n).
- 14.5 JT Rights upon Certain Terminations. If JT terminates this Agreement with respect to the Gilead Original Territory (in whole or in part) pursuant to either Section 14.3 or Section 14.4 or if Gilead terminates this Agreement pursuant to Section 14.2, then the following shall apply:
- (a) **Regulatory Filings.** To the extent permitted by law, Gilead, its Affiliates and Sublicensees shall [*] to JT transfer to JT all INDs, Marketing Authorization Applications, and Regulatory Approvals for [*], and all data necessary to support such INDs, Marketing Authorization Applications and Regulatory Approvals, that in each case Gilead, its Affiliate or Sublicensee holds as of the time of such termination in the Gilead Original Territory if this Agreement is terminated in whole, or in a Reverted Country if this Agreement is terminated in part. In the event of such a termination, Gilead, its Affiliates and Sublicensees shall take all actions reasonably necessary to effect such transfer of such INDs, Marketing Authorization Applications and Regulatory Approvals for [*] in the Gilead Original Territory if this Agreement is terminated with respect to the Gilead Original Territory in whole, or in a Reverted Country if this Agreement is terminated in part.
- (b) **Licenses.** The licenses granted by JT to Gilead under Article 6 shall terminate with respect to [*] in the Gilead Original Territory if this Agreement is terminated with respect to the Gilead Original Territory in whole, or in Reverted Countries if this Agreement is terminated in part. Gilead shall, and hereby does, grant to JT an exclusive, [*] irrevocable license, with the right to grant sublicenses through one (1) or more tiers of sublicenses without Gilead's consent, under the Gilead Technology and the Trademark, to research, develop, make, use, sell, offer for sale and import [*] in the Gilead Original Territory if this Agreement is terminated with respect to the Gilead Original Territory in whole, or in a Reverted Country if this Agreement is terminated in part.
- (c) **No Further Representations.** Gilead and its Affiliates and Sublicensees shall discontinue making any representation and withdraw registrations regarding its status as a licensee of, or distributor for, JT for [*] in the Gilead Original Territory if this Agreement is terminated with respect to the Gilead Original Territory in whole, or in a Reverted Country if this Agreement is terminated in part, and shall cease conducting any activities with respect to the marketing, promotion, sale or distribution of [*] in the Gilead Original Territory if this Agreement is terminated in whole with respect to the Gilead Original Territory, or in a Reverted Country if this Agreement is terminated in part.
- (d) **Transition Assistance.** Gilead and its Affiliates shall provide such assistance, at no cost to JT, as may be reasonably necessary (i) during the period prior to the effective date of such termination, to effect the transfer of all regulatory activities, regulatory filings and Regulatory Approvals held by Gilead, its Affiliates and Sublicensees for [*] in the Gilead Original Territory if this Agreement is terminated with respect to the Gilead Original Territory in whole, or

in a Reverted Country if this Agreement is terminated in part; and (ii) to transfer or transition over a reasonable period of time to JT for no additional consideration a non-exclusive license to all Gilead Technology or then-existing commercial arrangements, that is, or are, necessary for, or actually used during the Term by JT to commence or continue Commercializing [*] in the Gilead Original Territory if this Agreement is terminated in whole, or in a Reverted Country if this Agreement is terminated in part, including without limitation transferring all rights to the Trademark and any agreements or arrangements with relevant Third Party vendors. To the extent that any such contract between Gilead, its Affiliate or Sublicensee and a Third Party is not assignable to JT, then Gilead its Affiliate or Sublicensee shall reasonably cooperate with JT to arrange to continue to obtain such services from such entity for Gilead to provide to JT. Gilead, its Affiliates and Sublicensees shall not, during the period prior to the effective date of such termination, take any action that could adversely affect or impair the further development and commercialization of [*]. The Parties shall use good faith efforts to coordinate the wind-down of Gilead's efforts under this Agreement with respect to the terminated countries and jurisdictions.

- (e) **Remaining Inventories.** If this Agreement is terminated in whole in the Gilead Original Territory, JT shall have the right to purchase from Gilead, its Affiliates and Sublicensees all of the inventory of [*] held by Gilead, its Affiliates and Sublicensees as of the effective date of such termination for use in the Gilead Original Territory. If this Agreement is terminated in part, JT shall have the right to purchase from Gilead, its Affiliates and Sublicensees all of the inventory of [*] held by Gilead, its Affiliates and Sublicensees as of the effective date of such termination for the Reverted Countries. Any such purchase shall be at [*]. All charges, import and export compliance fees, consumption taxes, withholding taxes, customs, duties and other taxes imposed by any government taxing authority upon JT or its Affiliates in connection with the purchase of such inventory of [*] shall be paid by JT or such Affiliates. JT shall notify Gilead within [*] days after the effective date of such termination whether JT elects to exercise such right. If JT does not exercise such right, then Gilead shall have the right to sell in the Gilead Original Territory any such remaining inventory over a period no greater than [*] after the effective date of such termination.
- (f) Continued Supply. If JT has terminated this Agreement with respect to the Gilead Original Territory, on a country-by-country basis, after such termination is effective Gilead shall supply the [*] to JT, its Affiliate or Sublicensee for the Reverted Countries. In each case, such supply shall be on terms similar to the terms and conditions of the most recent version of the Supply Agreement pursuant to which Gilead supplied JT for Japan prior to its termination pursuant to the Master Agreement and the Parties shall negotiate and enter into a new Supply Agreement. In such event the licenses granted to Gilead under Section 6.1 shall survive to the extent necessary to allow Gilead to perform such supply obligations.

#### 14.6 Gilead Rights upon Certain Terminations.

(a) **Continuation of Certain Rights.** If Gilead terminates this Agreement pursuant to Section 14.3(b), then all the licenses granted to it in Article 6 with respect to those Products which Gilead elects to continue to Develop and Commercialize shall survive such termination until the Term would otherwise expire under Section 14.1, provided that Gilead continues to pay all amounts due to JT pursuant to Article 8 for as long as Gilead is required to pay

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such amounts hereunder. The Parties' obligations under Sections 4.2, 4.4, 4.5, 9.1, 9.3, 9.4, 9.5, 9.6, 9.7, and 9.8 shall continue to the extent applicable.

- (b) **Transition Assistance.** JT shall provide such assistance, at no cost to Gilead, as may be reasonably necessary to transfer or transition over a reasonable period of time to Gilead all other technology or Know-How, or then-existing commercial arrangements, that is, or are, necessary or useful for Gilead to continue Commercializing Products to the extent reasonably requested by Gilead.
- 14.7 Survival. In addition to as otherwise provided in Article 14, the following provisions shall survive any expiration or termination of this Agreement for the period of time specified therein, or if not specified, then they shall survive indefinitely: Articles 1, 11 (solely as to actions arising during the Term or in the course of a Party's exercise of licenses it retains after the Term), 12, 13, 14, and 16 and Sections 6.5; 8.6; 8.7; 8.8; 8.9; 9.1; 9.4; 9.5; 9.6; 9.8; 15.1 and 15.2. Termination of this Agreement shall not relieve the Parties of any liability which accrued hereunder prior to the effective date of such termination nor preclude either Party from pursuing all rights and remedies it may have hereunder or at law or in equity with respect to any breach of this Agreement. The remedies provided in this Article 14 are not exclusive of any other remedies a Party may have in law or equity.

# ARTICLE 15 DISPUTE RESOLUTION

- 15.1 Dispute Resolution. Except as provided in Section 15.1(c) any dispute, controversy or claim arising out of or relating to the validity, formation, enforceability, performance, breach or termination of this Agreement (a "Dispute") shall be settled in accordance with the provisions of this Section 15.1. If a Party intends to initiate executive negotiation/mediation or arbitration (as set forth in paragraph (a) or (b) below) to resolve a Dispute, that Party shall provide written notice to the other Party informing such other Party of such intention and of the issues to be resolved. Nothing herein shall prohibit either Party from initiating arbitration if such Party would be substantially prejudiced by a failure to act during the time that efforts are being made to otherwise resolve the Dispute.
- (a) **By the Parties.** The Parties shall make an earnest, good faith attempt to resolve any Dispute through negotiation. If the Parties are unable to resolve a Dispute, either Party may, by written notice to the other Party, refer such Dispute for good faith negotiation between the Chief Executive Officer of Gilead (or his designee with settlement authority) and the President of the Pharmaceutical Division of JT (or his designee with settlement authority) either in person at the offices of the Party *not* initiating the action or as otherwise agreed within [*] days after the date of notice. Immediately after receipt of notice of executive negotiation, the Parties may agree to give good faith consideration to the appointment of a mutually-acceptable mediator to assist in the executive negotiation, in which case the costs of mediation shall be shared equally by the Parties. Any settlement reached by mediation shall be resolved in writing, signed by the Parties, and shall be binding on them.

- (b) **By Arbitration.** If any Dispute (other than a Dispute concerning the ownership of Patents or Product Trademarks) has not been settled by executive negotiation/mediation after [*] days, then upon the request of either Party, the Dispute shall be finally resolved by binding arbitration administered under the Rules of Arbitration of the International Chamber of Commerce (the "ICC Rules").
- (i) The arbitration shall be conducted by a panel of three (3) neutral arbitrators (the "Panel") appointed in accordance with the ICC Rules.
- (ii) The arbitration proceedings shall take place in San Francisco, California, USA, if the arbitration is initiated by JT, and in Tokyo, Japan, if the arbitration is initiated by Gilead. The arbitral proceedings and all pleadings shall be in the English language. Any written evidence originally in a language other than English shall be submitted in English translation accompanied by the original or true copy thereof.
  - (iii) The Panel shall have the power to decide all questions of arbitrability.
- (iv) At the request of either Party, the Panel will enter an appropriate protective order to maintain the confidentiality of information produced or exchanged in the course of the arbitration proceedings.
- (v) The Panel is empowered to award any remedy allowed by law, including monetary damages, prejudgment interest and punitive damages, and to grant final, complete, interim or interlocutory relief, including injunctive relief.
- (vi) The Parties may apply to state or federal court of competent jurisdiction within the County and City of New York, New York, for a temporary restraining order, preliminary injunction, or other interim or conservatory relief, as necessary, without breach of this arbitration agreement and without any abridgment of the powers of the arbitrators. Judgment on the award rendered by the Panel may be entered in any court having jurisdiction thereof. Each Party hereby waives any defenses it may have to the personal jurisdiction and venue of such courts to resolve such Disputes, including without limitation the defense of *forum non conveniens*, and each Party agrees not to file any motion to seek any relief under any *forum non conveniens* defense.
- (vii) Each Party shall bear its own legal fees arising in connection with the Dispute. The Panel may assess costs, fees and expenses of the ICC and the Panel to the Parties in the manner the Panel deems appropriate under the circumstances.
- (c) Matters Not Subject to Article 15. Notwithstanding anything else in this Agreement to the contrary, disputes or disagreements concerning matters that relate to either Party's Patents or Know-How shall be addressed as provided in Section 2.2 and shall not be resolved or settled pursuant to this Article 15.
- 15.2 Governing Law. Resolution of all disputes arising out of or related to this Agreement or the performance, enforcement, breach or termination of this Agreement and any remedies relating thereto, shall be governed by and construed under the substantive laws of the State of New York

and the federal law of the United States of America, without regard to its conflicts of law rules that would require the application of the laws of a foreign state or country.

#### ARTICLE 16 MISCELLANEOUS

- (a) **Entire Agreement; Amendment.** This Agreement, including the Schedules attached hereto and incorporated herein, sets forth the complete, final and exclusive agreement and all the covenants, promises, agreements, warranties, representations, conditions and understandings between the Parties with respect to the subject matter hereof and supersedes and terminates all prior agreements and understandings between the Parties, except for the Master Agreement, the Ancillary Agreements, the Confidential Disclosure Agreements with respect to such subject matter. Except for the Master Agreement, the Ancillary Agreements, the Confidential Disclosure Agreements and Material Transfer Agreements, there are no covenants, promises, agreements, warranties, representations, conditions or understandings, either oral or written, between the Parties other than as are set forth in this Agreement. No subsequent alteration, amendment, change or addition to this Agreement shall be binding upon the Parties unless reduced to writing and signed by an authorized officer of each Party, as amended pursuant to Section 16.1(b) hereof.
- (b) The Confidential Disclosure Agreements (other than the Confidential Disclosure Agreement dated February 1, 2005 (Gilead as recipient with respect to [*])) and the Material Transfer Agreements are hereby considered amended to the extent necessary to provide that, notwithstanding any provision in such agreements to the contrary, any information and materials provided by one Party to the other Party pursuant to the Confidential Disclosure Agreements or the Material Transfer Agreements may be used by a Party to fulfill any obligation or to pursue any rights such Party has under this Agreement, including without limitation for the Development of Products.
- 16.2 Force Majeure. Both Parties shall be excused from the performance of their obligations under this Agreement to the extent that such performance is prevented by a *force majeure* event and the nonperforming Party promptly provides notice of the prevention to the other Party. Such excuse shall be continued so long as the condition constituting *force majeure* continues and the nonperforming Party uses reasonable efforts to remove the condition. For purposes of this Agreement, *force majeure* shall include conditions beyond the reasonable control of the Parties, including without limitation, an act of God or terrorism, voluntary or involuntary compliance with any regulation, law or order of any government, war, civil commotion, labor strike or lock-out, epidemic, failure or default of public utilities or common carriers, destruction of production facilities or materials by fire, earthquake, storm or like catastrophe; provided, however, the payment of invoices due and owing hereunder shall not be delayed by the payor because of a *force majeure* affecting the payor.
- 16.3 Notices. Any notice required or permitted to be given under this Agreement shall be in writing, shall specifically refer to this Agreement and shall be deemed to have been sufficiently given for all purposes if delivered by (i) first class certified or registered mail, postage prepaid, (ii)

international express delivery service or (iii) personally, or if sent by facsimile and confirmed by electronic transmission. The notice information for each Party is set forth in the Master Agreement.

- **16.4 Maintenance of Records.** Gilead shall keep and maintain all records required by law or regulation with respect to Products supplied or sold by Gilead or its Affiliates or Sublicensees and shall make copies of such records available to JT upon JT's request.
- 16.5 No Strict Construction. This Agreement has been prepared jointly and shall not be strictly construed against either Party.
- 16.6 Assignment. Neither Party may assign or transfer this Agreement or any rights or obligations hereunder without the prior written consent of the other Party, except that, subject to Section 16.7, a Party may make such an assignment or transfer without the other Party's consent to the assigning Party's Affiliates or to its successor to all or substantially all of the business of such Party in the field to which this Agreement relates (whether by merger, sale of stock, sale of assets or other transaction), provided that any such successor (other than an Affiliate) shall, in a writing reasonably acceptable to the other Party, expressly assume performance of such rights or obligations. The JT Technology and the Gilead Technology shall exclude any intellectual property held or developed by such a successor of the relevant Party not in connection with Compound or Products. Any such assignment shall be binding on the successors of the assigning Party. Any assignment or attempted assignment by either Party in violation of the terms of this Section 16.6 shall be null and void.

#### 16.7 Change in Control.

- (a) **Gilead Change in Control.** Gilead may, without JT's consent, assign this Agreement and its rights and obligations hereunder in connection with a Change in Control of Gilead, subject to the conditions contained in this Section 16.7(a).
- (i) Upon a Change in Control, Gilead shall provide written notice to JT [*] days prior to such assignment, which notice shall specify the identity of the acquirer in the Change in Control.
- (ii) If the entity acquiring Gilead is a company that, at the time of the Change in Control, is selling any [*] product that is useful for the treatment of [*], or has [*], the Parties, after receipt of the notice described in Section 16.7(a)(i), shall meet and discuss in good faith any adverse effect on JT by a Gilead Change in Control.
- (b) **JT Change in Control.** JT may, without Gilead's consent, assign this Agreement and its rights and obligations hereunder in connection with a Change in Control of JT, subject to the conditions contained in this Section 16.7(b).
- (i) Upon a Change in Control, JT shall provide written notice to Gilead [*] days prior to such assignment, which notice shall specify the identity of the acquirer in the Change in Control.

- (ii) If the entity acquiring JT is a company that, at the time of the Change in Control, is selling any [*] product that is useful for the treatment of [*], or has [*], the Parties shall at any time within thirty (30) days after receipt of the notice described in Section 16.7(b)(i) meet and discuss in good faith whether and how to amend this Agreement to [*] or [*] the [*] or [*] of [*], or [*] concerning [*] efforts, shared by Gilead with JT pursuant to [*], and whether and how to amend or [*] the obligations of the Parties under [*].
- **16.8 No Blocking Effect.** If the Parties do not reach a consensus on any issue discussed pursuant to Section 16.7(a) (ii) or Section 16.7 (b) (ii) prior to the applicable Change in Control, the assignment of this Agreement in conjunction with such Change in Control may proceed and the Parties (including any successors to a Party) shall continue to discuss such issues.
- 16.9 Performance by Affiliates. Each of JT and Gilead acknowledge that their obligations under this Agreement may be performed by their respective Affiliates and Sublicensees. Notwithstanding any delegation of obligations under this Agreement by a Party to an Affiliate or Sublicensee, each Party shall remain primarily liable and responsible for the performance of all of its obligations under this Agreement and for causing its Affiliates and Sublicensees to act in a manner consistent herewith. Wherever in this Agreement the Parties delegate responsibility to Affiliates or Sublicensees or local operating entities, the Parties agree that such entities shall not make decisions inconsistent with this Agreement, amend the terms of this Agreement or act contrary to its terms in any way.
- **16.10 Further Actions.** Each Party agrees to execute, acknowledge and deliver such further instruments, and to do all such other acts, as may be necessary or appropriate in order to carry out the purposes and intent of this Agreement.
- **16.11 Compliance With Laws.** Each Party covenants to comply in all material respects with all U.S. and non-U.S. federal, state and local laws, rules and regulations applicable to the development, manufacture, distribution import and export and sale of pharmaceutical products, and to the transactions contemplated by this Agreement.
- **16.12** Severability. If any one (1) or more of the provisions of this Agreement is held to be invalid or unenforceable by any court of competent jurisdiction from which no appeal can be or is taken, the provision shall be considered severed from this Agreement and shall not serve to invalidate any remaining provisions hereof. The Parties shall make a good faith effort to replace any invalid or unenforceable provision with a valid and enforceable one such that the objectives contemplated by the Parties when entering this Agreement may be realized.
- **16.13 Headings.** The headings for each Article and Section in this Agreement have been inserted for convenience of reference only and are not intended to limit or expand on the meaning of the language contained in the particular Article or Section.
- **16.14 No Waiver.** Any delay in enforcing a Party's rights under this Agreement, or any waiver as to a particular default or other matter, shall not constitute a waiver of such Party's rights to the future enforcement of its rights under this Agreement, except with respect to an express written and signed waiver relating to a particular matter for a particular period of time.

16.15 Translations. This Agreement is in the English language only, which language shall be controlling in all respects, and all versions hereof in any other language shall be for accommodation only and shall not be binding upon the Parties. All communications and notices to be made or given pursuant to this Agreement, and any dispute proceeding related to or arising hereunder, shall be in the English language. If there is a discrepancy between any Japanese translation of this Agreement and this Agreement, this Agreement shall prevail.

16.16 Certain Conventions. Any reference in this Agreement to an Article, Section, subsection, paragraph, clause, Schedule or Exhibit will be deemed to be a reference to an Article, Section, subsection, paragraph, clause, Schedule or Exhibit, of or to, as the case may be, this Agreement, unless otherwise indicated. Unless the context of this Agreement otherwise requires, (a) all definitions set forth herein will be deemed applicable whether the words defined are used herein in the singular or the plural, (b) the word "will" will be construed to have the same meaning and effect as the word "shall," (c) any definition of or reference to any agreement, instrument or other document herein will be construed as referring to such agreement, instrument or other document as from time to time amended, supplemented or otherwise modified (subject to any restrictions on such amendments, supplements or modifications set forth herein), (d) any reference herein to any Person will be construed to include the Person's successors and assigns, (e) the word "notice" will mean notice in writing (whether or not specifically stated) and will include notices, consents, approvals and other written communications contemplated under this Agreement, (f) provisions that require that a Party, the Parties or any committee hereunder "agree," "consent" or "approve" or the like will require that such agreement, consent or approval be specific and in writing, whether by written agreement, letter, approved minutes or otherwise (but excluding e-mail and instant messaging), (g) references to any specific Law, rule or regulation, or article, section or other division thereof, will be deemed to include the then-current amendments thereto or any replacement or successor Law, rule or regulation thereof and (h) the term "or" will be interpreted in the inclusive sense commonly associated with the term "and/or", (i) words of any gender include each other gender, (j) words such as "herein", "hereof" and "hereunder" refer to this Agreement as a whole and not merely to the particular provision in which such words appear, (k) words using the singular will include the plural, and vice versa, (I) the words "include," "includes" and "including" will be deemed to be followed by the phrase "but not limited to", "without limitation", "inter alia" or words of similar import and (m) unless "Business Days" is specified, "days" will mean "calendar days."

**16.17** Counterparts. This Agreement may be executed in two (2) or more counterparts. each of which shall be deemed an original, but all of which together shall constitute one (1) and the same instrument.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF the Parties have executed this Agreement in duplicate originals by their duly authorized officers as of the A&R Execution Date.

Gilead Sciences, Inc.

Japan Tobacco Inc.

By: <u>/s/ John F. Milligan</u>
Name: John F. Milligan, Ph.D.
Title: Chief Executive Officer

By: <u>/s/ Muneaki Fujimoto</u> Name: Muneaki Fujimoto

Title: President, Pharmaceutical Business

Signature Page to EVG License Agreement

#### **A&R Schedules**

Schedule 1.2 ABC Schedules - Access Countries
Schedule 1.2A - Access Group A Countries
Schedule 1.2B - Access Group B Countries
Schedule 1.2C - Access Group C Countries
Schedule 1.17A Elvitegravir Chemical Structure
Schedule 1.17B Elvitegravir Patent Applications
Schedule 1.59 JT Patents and Joint Patents

Schedule 6.2 Generic License

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## **Schedule 1.2 ABC Schedules Access Countries**

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## **SCHEDULE 1.2 B**

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## **SCHEDULE 1.2 C**

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## **Schedule 1.17A Elvitegravir Chemical Structure**

#### **Chemical Name**

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# **Schedule 1.17B Elvitegravir Patent Applications**

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## **Schedule 1.59 JT Patents**

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## **Schedule 6.2 Generic License**

[*]

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## **EXHIBIT 1**

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## **EXHIBIT 2**

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#### **MASTER AGREEMENT**

by and between

GILEAD SCIENCES, INC. and GILEAD SCIENCES K.K.

and

JAPAN TOBACCO INC.

Dated as of November 29, 2018

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**Schedule 8.1 Wholesaler Introduction** 

Schedule 8.2 HIV Physician Introduction

Schedule 8.3 Speaker/Seminar Transition

**Exhibit A** Inventory Treatment Summary

**Exhibit B** Transition Services Agreement

**Exhibit C** Packaging and Labeling Summary

Exhibit D Amended and Restated EVG License Agreement

**Exhibit E** Anti-Corruption Policy

**Exhibit F** Initial Press Release

#### MASTER AGREEMENT

This Master Agreement (this "Agreement") is made and entered into as of November 29, 2018 (the "Execution Date") and, except for certain provisions specified in Section 12.1 that will be effective as of the Execution Date, will be effective as of the Closing Date (as defined below), by and between Japan Tobacco Inc., a Japan corporation having its principal place of business at Toranomon 2-2-1, Minato-ku, Tokyo 105-8422, Japan ("JT"), on the one hand, and Gilead Sciences, Inc., a Delaware corporation having its principal place of business at 333 Lakeside Drive, Foster City, California, CA 94404, United States ("Gilead"), and Gilead Sciences K.K., a Japan corporation having its principal place of business at Gran Tokyo South Tower 16F, Marunouchi 1-9-2, Chiyoda-ku, Tokyo 100-6616, Japan ("GSJ"), on the other hand. JT, on the one hand, and Gilead and GSJ, on the other hand, are sometimes referred to herein individually as a "Party" and collectively as the "Parties."

#### RECITALS

WHEREAS, JT and Gilead are parties to that certain License Agreement, dated July 31, 2003, as amended from time to time before the Execution Date ("VTE License Agreement") whereby JT obtained the exclusive right to develop and commercialize Viread®, Emtriva®, Truvada®, and Descovy® (such products and any other product licensed to JT under the VTE License Agreement, the "VTE Products") in Japan;

WHEREAS, JT and Gilead are parties to that certain License Agreement, dated March 22, 2005, as amended from time to time before the Execution Date ("EVG License Agreement") whereby Gilead obtained the exclusive right to develop and commercialize Stribild® and Genvoya® (such products and any other product within the scope of the licenses under the EVG License Agreement, the "EVG Products" and together with the VTE Products, the "HIV Products") outside of Japan, and JT obtained the exclusive right to develop and commercialize the EVG Products in Japan;

**WHEREAS**, JT subsequently licensed or sublicensed, as the case may be, certain commercialization rights related to the HIV Products to its Affiliate, Torii Pharmaceutical Co., Ltd. ("**Torii**");

WHEREAS, the Parties now desire to enter into a transaction pursuant to this Agreement (the "Transaction") that, subject to any required government approvals and other closing conditions as provided herein, will provide that, *inter alia*, the licenses granted by Gilead to JT to the HIV Products in Japan will be terminated and Gilead will have the exclusive rights to the HIV Products in Japan as further described herein and in the New Ancillary Agreements (as defined below);

WHEREAS, the Transaction is comprised of different stages as follows:

first, the Parties are executing this Agreement and certain other agreements and will be seeking approval from the Japan FTC (as defined below) to close the Transaction;

second, upon the Closing (as defined below), the Parties will commence the transition of rights in Japan to the HIV Products to Gilead in a staged manner;

third, upon the Marketer Change Date, GSJ will commence marketing and promotional activities of the HIV Products in Japan, and JT and its Affiliates (as defined below) will cease to engage in Commercialization (as defined below) activities other than distribution of the HIV Products;

fourth, from the Closing until the Distribution Change Date, Torii will continue to supply the HIV Products to its wholesalers in Japan and upon the Distribution Change Date, GSJ will commence supplying the HIV Products to its wholesalers in Japan and thereafter, Gilead and GSJ will have the sole right to sell the HIV Products in Japan and JT will remain the marketing authorization holder for the HIV Products in Japan until the MAH Transfer; and

finally, as further described below, the VTE License Agreement will terminate and the EVG License Agreement shall be amended and restated such that JT grants to Gilead all rights which it has with respect to the Products (as defined therein) in Japan; and

WHEREAS, in connection with this contemplated reallocation between JT and Gilead of the rights to the HIV Products in Japan, this Agreement and the New Ancillary Agreements provide for (i) the assignment and transfer of certain assets relating to the HIV Products in Japan and (ii) certain transitional activities and supply arrangements.

**NOW, THEREFORE**, in consideration of the premises and the mutual promises and conditions set forth herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties, intending to be legally bound, do hereby agree as follows:

# ARTICLE 1 DEFINITIONS

Unless otherwise specifically provided herein, the following terms shall have the following meanings:

- 1.1 "**Action**" shall mean any action, claim, suit, litigation, proceeding, arbitration, mediation, audit, hearing, warning letter, inquiry, examination, finding of deficiency or non-compliance, request for recall, notice of violation, investigation or dispute.
- 1.2 "Affiliate" shall mean, as to any Person, any other Person which, directly or indirectly, controls, is controlled by, or is under common control with, such Person. For purposes of this definition, "control," "controlled by" or "under common control with" shall mean the possession of the power to direct or cause the direction of management and policies of such Person, whether through direct or indirect ownership of voting securities or otherwise.
  - 1.3 "Agreement" shall have the meaning set forth in the preamble.

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- 1.4 "Amended and Restated EVG License Agreement" or "A&R EVG License Agreement" shall have the meaning set forth in Section 2.1.16.
- 1.5 "Amended and Restated Pharmacovigilance Agreement Termination Agreement" shall have the meaning set forth in Section 2.1.12.
- 1.6 "Ancillary Agreements" shall mean, collectively, the EVG License Agreement, the VTE License Agreement, and each of the New Ancillary Agreements.
  - 1.7 "Anti-Corruption Standards" shall have the meaning set forth in Section 9.3.
  - 1.8 "Assigned Assets" shall have the meaning set forth in Section 2.1.1.
  - 1.9 "Assigned Contracts" shall mean the Contracts set forth on Schedule 2.1.1A.
- 1.10 "Assigned Know-How" shall mean all Know-How owned or controlled by JT or its Affiliates solely relating to the Japan HIV Products Business.
- 1.11 "Assigned Regulatory Approvals" shall mean any Regulatory Approvals held by or on behalf of JT or its Affiliates relating to the Japan HIV Products Business as set forth on Schedule 2.1.1B.
  - 1.12 "Assignment Date" shall have the meaning set forth in Section 2.1.1.
  - 1.13 "Assumed Liabilities" shall have the meaning set forth in Section 2.1.4.
  - 1.14 "Basket Amount" shall have the meaning set forth in Section 10.2.1.
  - 1.15 [*] shall mean [*].
  - 1.16 [*]" shall mean [*].
  - 1.17 "Bill of Sale" shall have the meaning set forth in Section 2.1.5.
- 1.18 "Business Day" shall mean any day excluding Saturdays, Sundays and any day that is a legal holiday under the laws of the United States or Japan or that is a day on which banking institutions located in San Francisco, California or Tokyo, are authorized or required by Law or other governmental action to close.
  - 1.19 [*] shall have the meaning set forth in Section [*].
  - 1.20 [*].
  - 1.21 "Cap" shall have the meaning set forth in Section 10.2.2.
  - 1.22 "Closing" shall have the meaning set forth in Section 2.2.1.
  - 1.23 "Closing Date" shall have the meaning set forth in Section 2.2.1.

- 1.24 "Commercial Handover" shall mean the activities of JT and Torii designed to ensure a smooth and uninterrupted transition of activities pertaining to the HIV Products in Japan as described in further detail in Article 8 (other than Section 8.8).
- 1.25 "Commercialize" shall mean to promote, market, distribute, sell or provide product support for an HIV Product (other than in connection with clinical trials of such HIV Product), and "Commercializing" and "Commercialization" shall be interpreted accordingly.
- 1.26 "Compound" shall mean each of (a) FTC, (b) GS-7340 (i.e. TAF), (c) TDF, (d) Tenofovir, each respectively as defined in Sections 1.17, 1.25, 1.71 and 1.72 of the VTE License Agreement, (e) Compound (i.e. EVG), as defined in Section 1.9 of the EVG License Agreement, and (f) GS-9350 (i.e. COBI), as defined in Section 1.5 of the Second Amendment to the EVG License Agreement entered into as of May 17, 2010.
  - 1.27 "Confidential Information" shall have the meaning set forth in Section 11.1.
- 1.28 "Contract" shall mean all written or oral agreements, contracts, subcontracts, leases or subleases (whether for real or personal property), purchase orders, covenants not to compete, confidentiality agreements, licenses, sublicenses, instruments, notes, guarantees, assignments, options and warranties to which any of the Parties or their respective Affiliates is a party or by which any of the Parties or their respective Affiliates or any of the Assigned Assets are bound.
- 1.29 "**Develop**" shall mean the conduct of any pre-clinical, clinical or other studies or activities with respect to, or required for obtaining Regulatory Approval of, an HIV Product (including without limitation quality assurance and quality control activities) or for Commercialization of an HIV Product. The terms "Developing" and "Development" shall be interpreted accordingly.
- 1.30 "Distribution Change Date" shall mean the MAH Transfer Date or such earlier date specifically agreed between GSJ and JT. For clarity, in any event, the Distribution Change Date shall not be on or earlier than the Marketer Change Date and shall not be later than the MAH Transfer Date.
- 1.31 "Encumbrance" shall mean any lien, mortgage, deed of trust, right-of-way, right of setoff, assessment, security interest, pledge, lease, attachment, adverse claim, levy, charge, easement, restriction, license, hypothecation, preference, imperfection of title, right of possession, encumbrance or other similar restriction or any conditional sale Contract, title retention Contract or other Contract giving rise to any of the foregoing.
  - 1.32 "EVG License Agreement" shall have the meaning set forth in the recitals.
  - 1.33 "EVG Products" shall have the meaning set forth in the recitals.
  - 1.34 "Excluded Liabilities" shall have the meaning set forth in Section 2.1.3.
  - 1.35 "Execution Date" shall have the meaning set forth in the preamble.

- 1.36 "Existing Contracts" shall mean any Ancillary Agreement other than a New Ancillary Agreement.
- 1.37 "Exploit" or "Exploiting" shall mean to make, have made, import, use, sell or offer for sale, including to research, Develop, Commercialize, register, manufacture, have manufactured, hold or keep (whether for disposal or otherwise), have used, export, transport, or otherwise dispose of.
  - 1.38 "Exploitation" means the act of Exploiting a compound, product or process.
  - 1.39 "FCPA" shall have the meaning set forth in Section 9.3.1.
  - 1.40 "Gilead" shall have the meaning set forth in the preamble.
  - "Gilead Indemnified Parties" shall have the meaning set forth in Section 10.1.
- 1.42 "GMP" means (a) the Japanese current good manufacturing practices and all related regulations and guidelines including Pharmaceutical Affairs Law, Drugs and Quasi-drugs Manufacturing Control and Quality Control Regulations (GMP) (MHLW Ministerial Ordinance No.179, 2004), as amended from time to time and MHLW Ministerial Ordinance on Standards for Quality Assurance for Drugs, Quasi-drugs, cosmetics and Medical Devices (GQP) (MHLW Ministerial Ordinance No.136, 2004) and (b) the European Community Directive 91/356/EEC, Directive 2001/20/EC, Directive 2001/83/EC and all relevant implementations of such directives and relevant guidelines including the EC Guidelines, as may be amended from time to time.
- 1.43 "Governmental Authority" shall mean any national, supranational, international, federal, state, local, provincial or other governmental, regulatory or administrative authority, agency or commission or any court, tribunal, or judicial or arbitral body of competent jurisdiction, including the PMDA, Japan FTC, Japan Customs and its regional offices in Japan.
  - 1.44 "GOP Migration Taskforce" shall have the meaning set forth in Section 6.1.1.
  - 1.45 "Gross Sales" shall have the meaning set forth in Section 4.5.3.
  - "GSJ" shall have the meaning set forth in the preamble.
  - 1.47 "GSJ MAH Products" shall have the meaning set forth in Exhibit C.
  - "GVP Migration Taskforce" shall have the meaning set forth in Section 6.1.2.
  - "HIV Physician Introduction" shall mean the occurrence of all of the actions described in Section 8.2.
  - 1.50 "HIV Products" shall have the meaning set forth in the recitals.
  - 1.51 "**Interim Period**" shall have the meaning set forth in Section 4.5.1.

- 1.52 "Inventory Purchase Agreement" shall have the meaning set forth in Section 2.1.8.
- 1.53 "J-SEC" shall have the meaning set forth in Section 11.3.2.
- 1.54 "Japan" shall mean Japan and its possessions and territories thereof.
- 1.55 "Japan EVG Products Business" shall mean that portion of the business of JT and its Affiliates, directly or indirectly, consisting of the Exploitation of each EVG Product in Japan, as conducted by JT and its Affiliates as of the date of this Agreement.
  - 1.56 "Japan FTC" shall mean the Japan Fair Trade Commission.
  - 1.57 "Japan HIV Products Business" shall mean the Japan EVG Products Business and the Japan VTE Products Business.
- 1.58 "Japan VTE Products Business" shall mean that portion of the business of JT and its Affiliates, directly or indirectly, consisting of the Exploitation of each VTE Product in Japan, as conducted by JT and its Affiliates as of the date of this Agreement.
  - 1.59 "Joint Committee" shall have the meaning set forth in Section 6.2.
  - 1.60 "JT" shall have the meaning set forth in the preamble.
  - 1.61 "JT Indemnified Parties" shall have the meaning set forth in Section 10.3.
  - 1.62 "JT Representatives" shall have the meaning set forth in Section 9.3.1.
  - 1.63 "**Key Gilead Personnel**" shall mean (a) for [*], [*], and (b) for [*], [*].
  - 1.64 "**Key JT Personnel**" shall mean, for [*], [*], and, for [*], [*].
- 1.65 "**Know-How**" shall mean (a) all information, know-how, techniques and data relating to development, manufacture, use or sale of a Compound or an HIV Product, including but not limited to, inventions, practices, methods, knowledge, know-how, skill, experience, test data (including without limitation pharmacological, toxicological, clinical, analytical and quality control data, regulatory submissions, correspondence and communications, and marketing, pricing, distribution, cost, sales, manufacturing, patent and legal data or descriptions); and (b) Regulatory Documentation containing know-how.
- 1.66 "Law" shall mean any federal, state, local, municipal, foreign or other law, statute, constitution, principle of common law, resolution, ordinance, code, edict, decree, rule, guidance, court order, regulation, ruling or requirement issued, enacted, adopted, promulgated, implemented or otherwise put into effect by or under the authority of any Governmental Authority, including GMP.

- 1.67 "**Liability**" shall mean any direct or indirect liability, indebtedness, obligation, commitment, or expense, whether accrued, absolute, contingent, matured, unmatured, liquidated, unliquidated, known or unknown.
  - 1.68 "List of Events" shall have the meaning set forth in Schedule 8.3.
  - 1.69 "List of HCPs" shall have the meaning set forth in Schedule 8.2.
  - 1.70 "List of Institutions" shall have the meaning set forth in Schedule 8.2.
  - 1.71 "Losses" shall have the meaning set forth in Section 10.1.
- 1.72 "MAH Transfer" shall mean the transfer of all of the marketing authorizations for the HIV Products in Japan from JT to GSJ.
  - 1.73 "MAH Transfer Date" shall mean the date upon which the MAH Transfer occurs.
  - 1.74 "Manufacturing Term" shall have the meaning set forth in Exhibit C.
- 1.75 "Marketer Change Date" shall mean January 1, 2019 or if the Closing becomes later than December 27 2018, five (5) Business Days after Closing.
- 1.76 "Material Adverse Effect" shall mean any event, circumstance, development, change or effect (collectively, an "Effect") that (a) has had or would reasonably be expected to have a material adverse effect on the Japan HIV Products Business or the Assigned Assets, taken as a whole, but excluding the extent of any such Effect resulting from or arising in connection with (i) changes or conditions generally affecting the pharmaceutical industry (except in the case of this clause (i) if the impact on the Japan HIV Products Business and the Assigned Assets, taken as whole, is materially disproportionate to the impact on such industry), or (ii) changes in Japan's general economic, regulatory or political conditions (except in the case of this clause (ii) if the impact on the Japan HIV Products Business and the Assigned Assets, taken as a whole, is materially disproportionate to the impact on the pharmaceutical industry); (b) materially impacts, materially delays or prevents the consummation of the Transaction; or (c) creates or imposes a limitation on the ability of Gilead to (i) acquire valid and marketable title to the Assigned Assets free and clear of all Encumbrances or (ii) freely manufacture, sell or distribute the HIV Products in Japan.
  - 1.77 "MHLW" shall mean the Ministry of Health, Labour and Welfare of Japan.
  - 1.78 "Milestones" shall have the meaning set forth in Section 4.2.
  - 1.79 "Net Sales" shall mean [*].
- 1.80 "New Ancillary Agreements" shall mean, collectively, the Transition Services Agreement, the Amended and Restated EVG License Agreement, the Inventory Purchase Agreement, the Promotion Agreement, the Packaging and Labeling Agreement (if any), the

Amended and Restated Pharmacovigilance Agreement Termination Agreement, the Supply Agreement Amendment, the Quality Agreement Amendment and any other agreements between JT or any of its Affiliates and Gilead or any of its Affiliates entered into in connection with or pursuant to this Agreement or to any other New Ancillary Agreement.

- 1.81 "Non-Assignable Right" shall have the meaning set forth in Section 2.3.
- 1.82 "Notice of Termination" shall have the meaning set forth in Section 12.3.1.
- 1.83 "**Objection Period**" shall have the meaning set forth in Section 4.2.
- 1.84 "**Order**" shall mean any writ, judgment, decree, injunction or similar order, including consent orders, of any Governmental Authority (in each such case whether preliminary or final).
  - 1.85 "Packaging and Labeling Agreement" shall have the meaning set forth in Section 2.1.11..
  - 1.86 "Packaging Option" shall have the meaning set forth in Section 2.1.11.
- 1.87 "PAL Enforcement Regulations" shall mean the Enforcement Regulations of the Law on Securing Quality, Efficacy and Safety of Products including Pharmaceuticals and Medical Devices (MHLW Ordinance No. 1 of 1961, as amended).
  - 1.88 "Party" or "Parties" shall have the meaning set forth in the preamble.
- 1.89 "Patent" shall mean (a) all patents, certificates of invention, applications for certificates of invention, and patent applications, including without limitation patent applications under the Patent Cooperation Treaty and the European Patent Convention, and abandoned patent applications throughout the world, together with (b) any renewal, divisional, continuation (in whole or in part), or continued prosecution applications of any of such patents, certificates of invention and patent applications, and any all patents or certificates of invention issuing thereon, and any and all reissues, reexaminations, extensions, divisions, renewals, substitutions, confirmations, supplemental protection certificates, registrations, revalidation, revisions, and additions of or to any of the foregoing, and any counterparts in any other country of any of the foregoing and any other patents and patent applications claiming priority back to any of the foregoing.
- 1.90 "**Person**" shall mean any person or entity, whether an individual, trustee, corporation, limited liability company, general partnership, limited partnership, trust, unincorporated organization, business association, firm, joint venture, executor, administrator or other legal personal representative, or any other legal entity, including a Governmental Authority.
  - 1.91 [*] shall have the meaning set forth in Section 4.5.4.

- 1.92 "**Pharmaceutical Affairs Law**" shall mean the Law on Securing Quality, Efficacy and Safety of Products Including Pharmaceuticals and Medical devices (Law No. 145 of 1960).
  - 1.93 "PMDA" shall mean the Pharmaceutical and Medical Devices Agency of Japan.
  - 1.94 [*] shall have the meaning set forth in Section 8.13.
  - 1.95 "**Promotion Fee**" shall have the meaning set forth in Section 2.1.10.
  - 1.96 "Quality Agreement Amendment" shall have the meaning set forth in Section 2.1.14.
  - 1.97 "Quarterly Settlement Amount" shall have the meaning set forth in Section 4.5.4.
- 1.98 "Regulatory Approval" shall mean all approvals (including without limitation supplements, amendments, and price approvals), licenses, registrations or authorizations of any national, supra-national, regional, state or local regulatory agency, department, bureau, commission, council or other governmental entity, relating to the HIV Products in Japan, including any pricing and reimbursement approvals.
- 1.99 "Regulatory Documentation" shall mean original documents or, to the extent original documents are not reasonably available, copies thereof, in any format in the possession or control of any of JT or its Affiliates as of the Assignment Date for the Assigned Regulatory Approvals, of all Assigned Regulatory Approvals, product specifications and correspondence with any Governmental Authority (including minutes and official contact reports relating to any communications with any Governmental Authority) related to any HIV Product in Japan, including research files, raw data, expert reports, research lab notes, regulatory applications, formulation data, any other data (including clinical and pre-clinical data), submissions and filings in connection with the foregoing, and, to the extent related to Japan, relevant supporting documents including all regulatory drug lists, materials submitted to the PMDA and adverse drug experience reports (periodic and expedited), in each case related to the Exploitation of any HIV Product in Japan.
  - 1.100 "Regulatory Taskforce" shall have the meaning set forth in Section 6.1.3.
  - 1.101 "Related Party" shall have the meaning set forth in Section 12.3.2.
- 1.102 "Required Consents" shall mean the written consents of any Third Party required for JT and its Affiliates to sell, convey, assign, transfer and deliver the Assigned Assets to Gilead or its Affiliates or to consummate the Transaction.
- 1.103 "Safety Data Migration" shall mean the completion of (a) transition by JT to Gilead of all legally required safety information from set forth in Sections 6.1.2.1 and 6.1.2.2 (b) transferring by Gilead (including any programing by Gilead of the necessary algorithms) the safety data of JT's [*] database into Gilead's [*] database; and (c) all relevant processes, to

enable GSJ to become fully competent in fulfilling its safety reporting obligations as marketing authorization holder.

- 1.104 "SEC" shall have the meaning set forth in Section 11.3.1.
- 1.105 "Selected Events" shall have the meaning set forth in Schedule 8.3.
- 1.106 "Selected HCPs" shall have the meaning set forth in Schedule 8.2.
- 1.107 "Speaker/Seminar Transition" shall mean the transition of speaker events, satellite seminars at medical congresses or the like conducted regularly or planned to be conducted by commercial and medical affairs personnel of JT or Torii, as such transition is more fully set forth in Schedule 8.3 and where such transition shall include transition of all such activities for all of the HIV Products other than those that Gilead elects to not transition.
- 1.108 "Sublicensee" shall mean a Third Party that is a sublicensee of Gilead's rights granted under the EVG License Agreement.
  - 1.109 "sNDA" shall mean the in-process supplemental new drug application for [*] in Japan [*].
  - 1.110 "Supply Agreement Amendment" shall have the meaning set forth in Section 2.1.13.
- 1.111 "Tax" or "Taxes" shall mean any and all taxes, assessments, levies, tariffs, duties or other charges or impositions in the nature of a tax (together with any and all interest, penalties, additions to tax and additional amounts imposed with respect thereto) imposed by any Governmental Authority, including income, estimated income, gross receipts, profits, business, license, occupation, franchise, capital stock, real or personal property, sales, use, transfer, value added, employment or unemployment, social security, disability, alternative or add-on minimum, customs, excise, stamp, environmental, commercial rent or withholding taxes, and shall include any Liability for Taxes of any other Person under applicable Law, as a transferee or successor, by contract or otherwise.
  - 1.112 "Third Party" shall mean any entity other than a Party or an Affiliate of a Party.
  - 1.113 "**Third Party Claim**" shall have the meaning set forth in Section 10.9.
  - 1.114 "**Torii**" shall have the meaning set forth in the preamble.
  - 1.115 "**Transaction**" shall have the meaning set forth in the recitals.
  - 1.116 "Transaction Cap" shall have the meaning set forth in Section 10.2.3.
  - 1.117 "**Transfer Taxes**" shall have the meaning set forth in Section 9.2.7.2.

- 1.118 "Transition Services Agreement" shall have the meaning set forth in Section 2.1.9.
- 1.119 "VTE License Agreement" shall have the meaning set forth in the recitals.
- 1.120 "VTE Products" shall have the meaning set forth in the recitals.
- 1.121 "Wholesaler Introduction" shall have the meaning set forth in Schedule 8.1.

# ARTICLE 2 TRANSACTION; CLOSING

#### 2.1 Transaction.

- 2.1.1 **Purchase and Sale of Assigned Assets**. Subject to the terms and conditions set forth in this Agreement and the Transition Services Agreement, at and effective as of the applicable assignment date set forth on Schedule 2.1.1 for each category of asset listed therein, and if no such assignment date is specified for any such category of assets (or if such category of asset is not listed), as of the Closing (such date or an earlier date on or after the Closing if otherwise agreed in writing by the Parties, the "**Assignment Date**"), JT, on behalf of itself shall, and shall cause its applicable Affiliates to, sell, convey, assign, transfer and deliver to Gilead or an Affiliate thereof designated by Gilead on such Schedule or notified by Gilead to JT prior to the Assignment Date, and as of the Assignment Date, Gilead shall, or shall cause its applicable Affiliate to, purchase and accept, all of JT's or its Affiliate's right, title and interest in and to the Assigned Assets, free and clear of all Encumbrances. As used in this Agreement, "**Assigned Assets**" shall mean the Assigned Regulatory Approvals, Regulatory Documentation, Assigned Know-How, and Assigned Contracts, including any Work Product (as defined in Transition Services Agreement) to the extent provided under the Transition Services Agreement, and in addition, to the extent solely used in or held for use for or relating to the Japan HIV Products Business, any other assets owned or controlled by JT or its Affiliates in the categories set forth on Schedule 2.1.1.
- 2.1.2 **Cooperation**. In the event that the Assigned Assets and the license grant to Gilead in Section 5.1 or in any Ancillary Agreement omit information or records that Gilead requires for the Japan HIV Products Business, JT will cooperate or will cause its respective Affiliates to cooperate with Gilead to provide such information, records, or documentation by assignment or license, as applicable. For clarity, if JT has duly provided information, records, or documentation under this Section 2.1.2, Gilead shall not be entitled to double recovery for the failure to have provided such information, records or documentation as a result of a breach of Section 9.2.1.
- 2.1.3 **Excluded Liabilities**. Neither Gilead nor its respective Affiliates shall assume, nor become responsible for, and JT or its Affiliates shall remain responsible for and shall pay, perform and discharge when due, any Liability of JT or its Affiliates, including any Liabilities of JT or its Affiliates in respect of or relating to the Japan HIV

Products Business prior to January 1, 2019 or any Assigned Asset prior to its Assignment Date other than the liabilities of Gilead or GSJ as set forth in the Existing Contracts (collectively, the "Excluded Liabilities"). Notwithstanding anything in this Agreement to the contrary, Excluded Liabilities shall include:

- 2.1.3.1 all Liabilities to the extent related to any assets of JT and its Affiliates that are not Assigned Assets, including any Contracts (other than Existing Contracts) that are not Assigned Contracts;
- 2.1.3.2 all Liabilities of JT or its Affiliates to the extent related to each Assigned Asset, including each Assigned Contract, arising from any act or omission by JT or its Affiliates occurring prior to the applicable Assignment Date thereof or from the conduct of the Japan HIV Products Business by or on behalf of JT or its Affiliates, including from the sale of any HIV Product in Japan prior to January 1, 2019, except with respect to Liabilities of Gilead or GSJ as set forth in the Existing Contracts,
- 2.1.3.3 any Liabilities, obligations or commitments of JT, or any member of any consolidated, affiliated, combined or unitary group of which JT is or has been a member, for Taxes; provided, however, that Transfer Taxes incurred in connection with the transactions contemplated by this Agreement shall be paid in the manner set forth in Section 9.2.7.2; and
- 2.1.3.4 all Liabilities of JT or its Affiliates under the Existing Contracts.
- 2.1.4 **Assumed Liabilities.** Gilead or its respective Affiliate shall assume, and become responsible for, and JT or its Affiliates shall no longer be responsible for, and shall pay, perform and discharge when due, any Liability in respect of or relating to the Japan HIV Products Business arising on or after January 1, 2019 or with respect to any Assigned Asset on or after its Assignment Date, unless such Liability (a) arises from the negligence or intentional misconduct of JT or its Affiliates, (b) arises from any breach by JT of this Agreement or any Ancillary Agreement, (c) are those for which JT is obligated to indemnify Gilead under Section 10.1 of this Agreement, Section 11.1 of the A&R EVG License Agreement or any corresponding sections of any other Ancillary Agreement, (d) is specifically agreed by the Parties to be a Liability of JT or its Affiliates under the Master Agreement or any Ancillary Agreement (e) arises from any acts or omissions of JT or its Affiliates prior to the Closing or (f) are Excluded Liabilities (collectively, the "Assumed Liabilities").

## 2.1.5 Product Returns and Recalls.

2.1.5.1 JT will be responsible for processing all returns of any HIV Products sold by JT or its Affiliates until the MAH Transfer Date. Gilead will be responsible for processing all returns of any HIV

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[*] = CERTAIN CONFIDENTIAL INFORMATION CONTAINED IN THIS DOCUMENT, MARKED BY BRACKETS, IS FILED WITH THE SECURITIES AND EXCHANGE COMMISSION PURSUANT TO RULE 24B-2 OF THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED

Products sold by JT or its Affiliates on or after the MAH Transfer Date.

Gilead and JT will split the costs of returns as follows: (a) in the event that any such return is solely attributable to [*], then such Party shall be financially responsible for such return, and (b) for any such return not covered by clause (a), (i) JT shall be responsible for [*], (ii) the Parties shall split such costs from such returns occurring in [*] such that JT is responsible for [*] of the cost of returns occurring in the [*] and Gilead is responsible for [*] of such costs, (iii) each Party shall be responsible for [*] of such returns occurring in [*], and (iv) JT shall be responsible for [*] of such costs for returns occurring in [*] and Gilead shall be responsible for [*] of such costs. Gilead will be responsible for the costs of all returns occurring [*]. JT shall invoice Gilead for the amounts due from Gilead [*]. This Section 2.1.5.1 shall not apply to [*].

- 2.1.5.2 Prior to the MAH Transfer, JT will be responsible for fulfilling the role of the marketing authorization holder in Japan as it relates to recalls of the HIV Products. After the Distribution Change Date, JT and Gilead will cooperate regarding any recalls of the HIV Products in Japan. Gilead shall bear the costs of any recalls of HIV Products occurring after January 1, 2019, except in the case in which the recall is due to [*]. JT shall invoice Gilead for its and its Affiliate's costs associated therewith for which Gilead is responsible under this Section 2.1.5.2, including [*].
- 2.1.6 **New Ancillary Agreements.** The Parties will enter into, or cause their applicable Affiliate to enter into, the New Ancillary Agreements concurrently with this Agreement, as of the Closing or such other date specified in this Agreement and each New Ancillary Agreement shall be effective as of the date set forth in such New Ancillary Agreement.
- 2.1.7 **Bill of Sale**. For each Assigned Asset or category of Assigned Assets, JT or its applicable Affiliate will enter into a customary Bill of Sale with Gilead or its designated Affiliate (each, a "**Bill of Sale**")effective as of the Assignment Date thereof.
- 2.1.8 **Inventory Treatment Summary and Inventory Purchase Agreement**. A binding summary of the treatment of the inventory to be purchased from JT by Gilead is set forth on Exhibit A, and Gilead and JT shall enter into an agreement regarding (and consistent with the terms of) the inventory purchase contemplated therein on or prior to February 1, 2019 ("**Inventory Purchase Agreement**").
- 2.1.9 **Transition Services Agreement**. Simultaneously with the execution of this Agreement, Gilead, GSJ and JT are entering into that certain form of agreement ("**Transition Services Agreement**") as set forth on Exhibit B to be effective as of the

Closing Date which describes the various services to be provided by JT or its Affiliate and related activities to be performed by Gilead.

- 2.1.10 **Promotion Appointment and Promotion Fee**. The Parties agree that from the Marketer Change Date to the MAH Transfer Date and beyond, GSJ shall have the sole right to market and promote the HIV Products. In furtherance thereof, JT hereby appoints GSJ as a promoter of such HIV Products as of the Marketer Change Date and until the MAH Transfer Date. Further terms and conditions of such appointment shall be set forth in a separate Promotion Agreement (the "**Promotion Agreement**"), which shall be entered into upon the Closing, on terms mutually agreed in good faith between the Parties. If agreed between the Parties, JT shall pay to GSJ a promotion fee (the "**Promotion Fee**") calculated based on [*] and paid at the time and in the manner as set forth in the Promotion Agreement. Where necessary, Gilead shall file the required notice and other documents with the applicable authorities, as further set forth in the Promotion Agreement. In the event that the Distribution Change Date predates the MAH Transfer Date, the Parties shall discuss and agree on the mechanisms for the payment of the Promotion Fee by JT to GSJ.
- 2.1.11 Packaging Summary and Packaging and Labeling Agreement. Gilead shall have an option (the "Packaging Option") to have JT cause Torii to print package inserts, bottle labels and cartons in order to package and label HIV Products as set forth in Exhibit C. In the event that Gilead or GSJ elects by written notice to Torii to exercise the Packaging Option, within [*] days of such notice JT shall cause Torii to enter into a packaging and labeling agreement with Gilead/GSJ for Torii to package and label Products (the "Packaging and Labeling Agreement"), which agreement shall include the terms and conditions of the packaging and labeling services for the HIV Products to be distributed by Gilead/GSJ in Japan on or after the MAH Transfer Date, in the event that Gilead has exercised the Packaging Option. A binding summary of the Parties' agreement in respect of the packaging and labeling of HIV Products during the various stages of the Transaction is set forth on Exhibit C.
- 2.1.12 Amended and Restated Pharmacovigilance Agreement Termination Agreement. JT and Gilead will enter into an Amended and Restated Pharmacovigilance Termination Agreement ("Amended and Restated Pharmacovigilance Agreement Termination Agreement") to be effective as of the MAH Transfer Date or any other date to be specifically agreed in the Amended and Restated Pharmacovigilance Agreement Termination Agreement.
- 2.1.13 **Supply Agreement Amendment**. JT and Gilead shall enter into an Amendment to the existing Supply Agreement ("**Supply Agreement Amendment**") at Closing to address any inconsistencies between the existing Supply Agreement and this Master Agreement and the other Ancillary Agreements. The Supply Agreement shall be terminated as of the MAH Transfer Date.
- 2.1.14 Quality Agreement Amendment. JT and Gilead will enter into a Quality Agreement Amendment ("Quality Agreement Amendment"), to be effective as of the

MAH Transfer Date, so that GSJ will take over JT's rights and obligations under the Quality Agreement.

- 2.1.15 Safety Information Reporting Agreement and Quality Information Reporting Agreement. In advance of the Marketer Change Date, JT and GSJ will enter into a Safety Information Reporting Agreement and Quality Information Reporting Agreement, both of which will be effective during the period from the Marketer Change Date to the MAH Transfer Date.
- 2.1.16 Amendment of EVG License Agreement. Simultaneously with the execution of this Agreement, JT and Gilead are entering into the Amended and Restated EVG License Agreement effective as of the Marketer Change Date, the form of which is attached hereto as Exhibit D ("Amended and Restated EVG License Agreement" or "A&R EVG License Agreement").
- 2.1.17 Termination of VTE License Agreement and Related Agreements. The Parties agree that the VTE License Agreement shall terminate automatically effective as of the Marketer Change Date. The following provisions of the VTE License Agreement shall survive such termination by their terms: Article 1, Section 6.2(a) (License to Gilead) (but such license shall be worldwide in all respects); Section 6.2(b); Section 6.6; the first sentence of Article 11(Indemnification); Article 8 (to the extent relating to sales during the term of the VTE License Agreement and for purposes of any final accounting for sales prior to the termination of the VTE License Agreement; Section 9.1 (with respect to intellectual property arising during the Term); Article 13 (Confidentiality) (for the term specified therein, and in the event that there is information that constitutes Confidential Information under this Agreement and the VTE License Agreement, then this Agreement shall control ); Section 14.6(c) (Technology Licenses); Article 15 (except to the extent inconsistent with the dispute resolution provisions of this Agreement); and Article 16 (other than Section 16.7), in any case (other than Article 15), except to the extent that such provision does not conflict with the provisions of this Agreement. Effective as of the termination of the VTE License Agreement, except as otherwise specified herein, any ancillary agreements to the VTE License Agreement shall also terminate, other than the Supply Agreement and any related quality agreements (all of which shall survive until terminated pursuant to the Supply Agreement Amendment or Quality Agreement Amendment).
- 2.1.18 **Termination of Memorandum.** That certain Memorandum entered into by and between JT and Gilead, dated April 30, 2012 (as amended and restated as of December 29, 2014), relating to the [*] ("Memorandum") shall automatically terminate in its entirety as of the later of January 1, 2019 or the Closing, For clarity, Gilead shall be responsible for the payment obligation under the [*], the payment obligation for which by Gilead to JT shall survive such date until paid.
- 2.2 Closing.

- 2.2.1 Place and Time. On the terms and subject to the conditions set forth in this Agreement, the closing of the transactions contemplated by this Agreement (collectively, the "Closing") shall take place at the offices of GSJ at Gran Tokyo South Tower 16F, Marunouchi 1-9-2, Chiyoda-ku, Tokyo 100-6616, on the date that is two (2) Business Days after the satisfaction or waiver of the conditions precedent to Closing specified in ARTICLE 7 (other than those conditions that by their nature are to be satisfied by actions taken at the Closing, but subject the satisfaction or waiver of such conditions), or at such other time and place as the Parties mutually agree in writing. The date on which the Closing occurs is referred to as the "Closing Date."
  - 2.2.2 JT's Deliveries at Closing. At the Closing, JT shall deliver, or cause to be delivered, to Gilead the following:
    - 2.2.2.1 each of the New Ancillary Agreements listed on Schedule 2.2.2 to which JT or any of its Affiliates is a party, duly executed by one or more of JT or its respective Affiliates, as applicable; and
    - 2.2.2.2 the Required Consents, if any, in form and substance reasonably satisfactory to Gilead.
- 2.2.3 **Gilead Closing Deliveries**. At the Closing, Gilead shall deliver, or cause to be delivered, to JT each of the New Ancillary Agreements listed on Schedule 2.2.3 to which Gilead or any of its Affiliates is a party, duly executed by one or more of Gilead or its respective Affiliates as applicable.
- 2.3 Required Consents. If the assignment or transfer of any asset included in the Assigned Assets (including any Assigned Contract) or any claim, right or benefit arising thereunder or resulting therefrom, without the consent of a Third Party, would constitute a breach or other contravention of the rights of such Third Party, would be ineffective with respect to any party to an agreement concerning such asset (including any Assigned Contract), claim, right or benefit, or, upon assignment or transfer, would in any way adversely affect the rights of JT or, upon transfer, Gilead (each, a "Non-Assignable Right"), then JT shall use its diligent efforts, at JT's sole cost and expense, to obtain such consent after the execution of this Agreement until such consent is obtained. If any such consent cannot be obtained prior to the Closing, then, notwithstanding anything to the contrary in this Agreement or any Ancillary Agreement but without limiting Section 3.2.5, (a) this Agreement and the related instruments of transfer shall not constitute an assignment or transfer of the applicable Non-Assignable Right, and JT shall use its diligent efforts, at JT's sole cost and expense, to obtain such consent as soon as possible after the Closing; and (b) at Gilead's election, (i) the Non-Assignable Right shall be excluded from the Assigned Assets and Gilead shall have no Liability whatsoever with respect to any such Non-Assignable Right or any Liability with respect thereto, or (ii) JT shall use its diligent efforts, at JT's sole cost and expense, to obtain for Gilead substantially all of the practical benefit and burden of such Non-Assignable Right, including by (A) entering into appropriate and reasonable alternative arrangements on terms mutually agreeable to Gilead and JT, and (B) subject to the consent and control of Gilead, enforcement, at the cost

and for the account of Gilead, of any and all rights of JT against the other party thereto arising out of the breach or cancellation thereof by such other party or otherwise

## **ARTICLE 3** CONDITIONS TO CLOSING

- 3.1 Conditions to Obligations of Each Party. The obligations of each Party to consummate the transactions contemplated by this Agreement shall be subject to the fulfillment, at or prior to the Closing, of each of the following conditions:
  - 3.1.1 No Governmental Authority shall have enacted, issued, promulgated, enforced or entered any Law or Order which is in effect and has the effect of making the transactions contemplated by this Agreement illegal or otherwise restraining or prohibiting consummation of such transactions.
  - 3.1.2 Any approvals or consents from any Governmental Authority, including, without limitation, from the Japan FTC, necessary for the consummation of the transactions contemplated hereby shall have been obtained, or the waiting periods (and any extensions thereof) under any applicable Laws shall have expired or been terminated. For clarity, a Government Authority's confirmation that GSJ has the legal capacity to import, direct manufacturing of and sell the HIV Products should not be included in the approvals or consents from a Governmental Authority required under this Section 3.1.2.
  - 3.1.3 There shall not be pending any Action by any Governmental Authority seeking to (a) prohibit, enjoin or make illegal the consummation of the transactions contemplated by this Agreement or the Ancillary Agreements or (b) impose or confirm limitations on the ability of Gilead or any of its Affiliates to effectively exercise full rights of ownership with respect to the Assigned Assets after Closing or otherwise Exploit the HIV Products in Japan.
- 3.2 Conditions to Obligations of Gilead. The obligations of Gilead to consummate the transactions contemplated by this Agreement shall be subject to the fulfillment or Gilead's waiver, at or prior to the Closing, of each of the following conditions:
  - 3.2.1 The representations and warranties of JT contained in this Agreement shall be true and correct in all material respects on and as of the Execution Date and on and as of the Closing Date with the same effect as though made at and as of such date (except those representations and warranties that address matters only as of a date, the accuracy of which shall be determined as of that date).
  - 3.2.2 JT shall have duly performed and complied in all material respects with all agreements, covenants and obligations required by this Agreement to be performed or complied with by JT prior to or on the Closing Date.
    - 3.2.3 No Action shall have been commenced and be pending by any Person against

Gilead seeking to prevent the Closing that is not frivolous, excluding actions brought by a Third Party against Gilead either as a result of a breach by Gilead of this Agreement or as a result of a breach by Gilead of any agreement with such Third Party.

- 3.2.4 JT shall not have taken any action to terminate or seek to terminate the VTE License Agreement, EVG License Agreement, or Amended and Restated EVG License Agreement with respect to Japan.
  - 3.2.5 The Required Consents shall be in full force and effect.
  - 3.2.6 Since the Execution Date, no Material Adverse Effect shall have occurred.
  - 3.2.7 JT shall have delivered to Gilead each of the items listed in Section 2.2.2.
- **3.3** Conditions to Obligations of JT. The obligations of JT to consummate the transactions contemplated by this Agreement shall be subject to the fulfillment or JT's waiver, at or prior to the Closing, of each of the following conditions:
  - 3.3.1 The representations and warranties of Gilead contained in this Agreement shall be true and correct in all material respects on and as of the date hereof and on and as of the Closing Date with the same effect as though made at and as of such date (except those representations and warranties that address matters only as of a specified date, the accuracy of which shall be determined as of that specified date).
  - 3.3.2 Gilead shall have duly performed and complied in all material respects with all agreements, covenants and obligations required by this Agreement to be performed or complied with by Gilead prior to or on the Closing Date.
  - 3.3.3 No Action shall have been commenced and be pending by any Person against JT seeking to prevent the Closing that is not frivolous, excluding actions brought by a Third Party against JT either as a result of a breach by JT of this Agreement or as a result of a breach by JT of any agreement with such Third Party.
  - 3.3.4 Gilead shall not have taken any action to terminate or seek to terminate the VTE License Agreement, EVG License Agreement, or Amended and Restated EVG License Agreement with respect to Japan.
    - 3.3.5 Gilead shall have delivered to JT or its applicable Affiliate each of the items listed in Section 2.2.3.

# ARTICLE 4 PAYMENTS

4.1 **Upfront Payment**. In partial consideration of the rights granted by JT to Gilead in this Agreement and the New Ancillary Agreements and the performance by JT of its obligations under this Agreement and the New Ancillary Agreements, within [*] Business Days after the Closing Date, Gilead

shall pay to JT an upfront payment of one hundred ninety four million US dollars (\$194,000,000) in cash by wire transfer of immediately available funds into an account designated by JT. Such upfront payment is inclusive of any Japanese consumption taxes, which may be applicable to a portion of the services under the Transition Services Agreement.

4.2 **Milestone Payments**. In partial consideration of the rights granted by JT to Gilead in this Agreement and the New Ancillary Agreements and the performance by JT of its obligations under this Agreement and the New Ancillary Agreements, in no event earlier than [*] Business Days after the Closing Date, Gilead shall pay to JT the milestone payments set forth below in connection with achievement of the applicable milestones set forth below (the "Milestones"). JT shall deliver to Gilead written notice no later [*] Business Days following its determination that the achievement of any such milestone has occurred. Following receipt of such notice, Gilead shall have [*] Business Days (the "Objection Period") to object to JT's determination that the milestone has been achieved. If Gilead does not object to such determination by written notice to JT on or before [*] of the Objection Period, then Gilead shall make the applicable milestone payment [*] of the Objection Period. If Gilead objects to such determination before the end of the Objection Period, then the Parties shall resolve the dispute as set forth in this Agreement and the milestone payment shall be made [*], if determined to be due through the dispute resolution procedures or agreement by the Parties. Each milestone payment set forth below shall be payable only once.

Milestone	Milestone Amount
1. The completion of the [*] in all material respects	US \$[*]
2. The completion of the [*] in all material respects	US \$[*]
3. The completion of the [*] in all material respects	US \$[*]
4. [*]	US \$[*]
5. [*]	US \$[*]

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[*] = CERTAIN CONFIDENTIAL INFORMATION CONTAINED IN THIS DOCUMENT, MARKED BY BRACKETS, IS FILED WITH THE SECURITIES AND EXCHANGE COMMISSION PURSUANT TO RULE 24B-2 OF THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED

## 4.3 [*] Royalty Payments.

4.3.1 Only in the event that [*] (such event, a [*]), Gilead shall pay to JT a royalty on [*] at the rates below:

Net Sales [*]	Royalty Rate
[*]	[*]
[*]	[*]
[*]	[*]
[*]	[*]
[*]	[*]

- 4.3.2 Such royalties shall be payable in Japanese Yen on a calendar year basis, within [*] days after the earlier of (i) the end of each calendar year and (ii) the end of any partial calendar year [*], subject to the reductions set forth in Sections [*], *mutatis mutandis*, as applicable, and the reductions set forth in Section [*], as applicable, *mutatis mutandis*.
  - 4.3.3 For example, for illustrative purposes only, subject to such reductions set forth in the [*]:
    - 4.3.3.1 Gilead shall pay [*] of the annual Net Sales of [*];
    - 4.3.3.2 Gilead shall pay [*] of the annual Net Sales of [*]; and
    - 4.3.3.3 Gilead shall pay [*] of the Net Sales of [*].
  - 4.3.4 For another example, for illustrative purposes only, subject to such reductions set forth in the [*]:
    - 4.3.4.1 Gilead shall pay [*] of the annual Net Sales of [*];
    - 4.3.4.2 Gilead shall pay [*] of the annual Net Sales of [*];
    - 4.3.4.3 Gilead shall pay [*] of the annual Net Sales of [*];
    - 4.3.4.4 Gilead shall pay [*] of the annual Net Sales of [*]; and
    - 4.3.4.5 Gilead shall pay [*] of the annual Net Sales of [*].

4.3.5 For the avoidance of doubt, such royalties shall only be payable in the event that there has been a [*]. For example, if [*], Gilead shall owe no royalties for [*].

## 4.4 General Payment and Tax Provisions.

- 4.4.1 Except to the extent inconsistent with this Agreement, Sections 8.4 through 8.8 and Section 12.1 of the A&R EVG License Agreement shall apply to the upfront payment, milestone payments and royalties set forth in Sections 4.1, 4.2 and 4.3, *mutatis mutandis*, except that anything required quarterly shall be required only annually.
  - 4.4.2 The Upfront Payment shall be inclusive of any sales, use, consumption or value added Tax imposed thereon. [*].
- 4.4.3 Any amounts not paid by Gilead or JT when due under this Agreement shall be subject to interest from and including the date payment is due, through and including the date upon which such Party has made a wire transfer of immediately available funds into an account designated by the other Party, at an annual rate equal to the sum of [*] quoted in (i) the Money Rates section of the New York edition of the Wall Street Journal calculated daily on the basis of a 365-day year, or (ii) if such edition is unavailable, a similar reputable data source, or (iii) if lower, the highest rate permitted under applicable law.

#### 4.5 Economic Benefit of Sales Prior to Distribution Change Date.

- 4.5.1 *Generally*. Regardless of whether the Closing occurs on or after January 1, 2019, but subject to the Closing having occurred, for the period from January 1, 2019 until the Distribution Change Date ("**Interim Period**"), JT shall pay to Gilead an amount based on the Net Sales of the HIV Products in Japan, subject to certain deductions, as further set forth in this Section 4.5.
- 4.5.2 Reporting and Payment Settlement. Within [*] Business Days after the end of each calendar quarter commencing during the Interim Period, JT will provide a preliminary flash report which will summarize the activities during such calendar quarter (or for any such calendar quarter ending after the Distribution Change Date, the portion of such calendar quarter ending on the Distribution Change Date).
- 4.5.3 Within [*] days after the end of each calendar quarter commencing during the Interim Period, JT will provide a report that accounts for the gross sales ("Gross Sales") of the HIV Products in Japan during such calendar quarter (or for any such calendar quarter ending after the Distribution Change Date, the portion of such calendar quarter ending on the Distribution Change Date) less any deductions taken to arrive at Net Sales of the HIV Products in Japan. In addition, JT will provide an inventory report with sufficient detail, including but not limited to lot numbers, the number of brite stock products and packaged finished products, the location of the products and the title holder of the products, to determine the number of units on hand for each HIV Product on an SKU by SKU basis at the beginning of such period, the number

of units sold by JT or its Affiliates during such period and all other reconciling information to arrive at the end of such period inventory balance.

4.5.4 During the Interim Period, JT will pay to Gilead the "Quarterly Settlement Amount" within [*] days of the end each calendar quarter commencing during the Interim Period, which will be calculated as follows:

Net Sales (substituting "JT" for "Gilead" in such definition solely for purposes of this Section 4.5.4, with returns handled as set forth in Section 2.1.5) for each such calendar quarter (or for any such calendar quarter ending after the Distribution Change Date, the portion of such calendar quarter ending on the Distribution Change Date) less the following deductions:

- 1. [*] if any, for such period; and
- 2. [*] for all units of HIV Products sold during such period, where the [*].

In the event the Quarterly Settlement Amount is negative, Gilead will pay to JT amounts owed within [*] days of receiving reports outlined in Section 4.5.3.

- 4.5.5 With regard to any deductions made to arrive at Net Sales of the HIV Products in Japan and the Quarterly Settlement Amount during the Interim Period, any adjustments shall be included in the current period's Quarterly Settlement Amount calculation, to the extent feasible. In the event any adjustments need to be made after the Interim Period, JT shall notify Gilead thereof no later than [*] days after the end of the Interim Period, and subject to their being no pending dispute therefor, Gilead or JT (as applicable) will remit the adjustment to the receiving Party within [*] days thereafter. In addition, upon reaching the end of the Interim Period, the Parties will negotiate in good faith to settle any outstanding rights or obligations.
- 4.5.6 The Parties will further work together and reasonably take into account the internal and external reporting requirements and timelines of the other Party when preparing reports pursuant to this Section 4.5. Audits shall be conducted according to Section 12.1 of the A&R EVG License Agreement, *mutatis mutandis*. JT shall provide to Gilead any other information reasonably requested by Gilead to determine whether JT has made all payments due to Gilead pursuant to this Section 4.5. Except to the extent inconsistent with this Agreement, Sections 8.4, 8.6 and 8.8 of the A&R EVG License Agreement shall apply to the amounts set forth in Section 4.5, *mutatis mutandis*, except that anything required quarterly shall be required only annually.
- 4.5.7 For clarity, the Parties acknowledge that the payment under this Article does not include any services under the Transition Services Agreement that may be done by JT or its Affiliates on or after January 1, 2020.

## ARTICLE 5 LICENSE GRANTS

[*] = CERTAIN CONFIDENTIAL INFORMATION CONTAINED IN THIS DOCUMENT, MARKED BY BRACKETS, IS FILED WITH THE SECURITIES AND EXCHANGE COMMISSION PURSUANT TO RULE 24B-2 OF THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED

### 5.1 License Grants.

- 5.1.1 Subject to the terms and conditions of this Agreement, effective as of the Marketer Change Date, JT hereby grants to Gilead an exclusive with respect to the HIV Products (even as to JT and its Affiliates), royalty-free, fully paid license with the right to grant sublicenses to Gilead's Affiliates and Third Parties [*], under all Know-How, Patents and other intellectual property, including copyrights, that JT or its Affiliates own or control that are used, held for use or related to the Japan HIV Products Business but that are not Assigned Assets in order for Gilead to conduct the Japan HIV Products Business on and after Marketer Change Date. For clarity, JT retains the right to use, assign, transfer or license to a third party, such Know-How, Patents and other intellectual property (that are not Assigned Assets) for any purpose other than the Exploitation of the HIV Products or the conduct of the Japan HIV Products Business.
- 5.1.2 Subject to the terms and conditions of this Agreement, and limited to the period from the Marketer Change Date through the MAH Transfer Date, Gilead hereby grants to JT a non-exclusive, fully-paid license or sublicense under the Gilead Technology (as defined in the EVG License Agreement) and the license granted by JT to Gilead under the EVG License Agreement solely as needed for JT to perform its obligations under this Agreement and the Ancillary Agreements in Japan. Gilead also hereby grants to JT a non-exclusive, fully-paid license or sublicense under the Gilead Technology (as defined in the VTE License Agreement) and the license granted by JT to Gilead under the VTE License Agreement solely as needed for JT to perform its obligations under this Agreement and the Ancillary Agreements in Japan. JT shall have the right to sublicense under such (sub)license to its Affiliates and permitted subcontractors under this Agreement and the Ancillary Agreements, [*]. For the avoidance of doubt, JT and its Affiliates will retain (subject to royalty obligations) all revenues from the sale of HIV Products in Japan prior to January 1, 2019.
- 5.2 **No Implied Licenses**. Except as expressly set forth in this Agreement, no Party grants any license under this Agreement, express or implied, to its intellectual property rights (including without limitation Patents) to another Party.

## ARTICLE 6 GOVERNANCE

- 6.1 **Joint Committee and Task Forces**. In order to coordinate and oversee the activities under this Agreement and the Ancillary Agreements, including the Commercial Handover and the MAH Transfer, the Parties have agreed to establish a Joint Committee and certain task forces as described in this Article 6.
  - 6.1.1 **GQP Migration Taskforce**. The Parties agree to establish a GQP migration taskforce to facilitate the transfer of GQP-related information for the HIV Products in Japan, including the following, (the "**GQP Migration Taskforce**"): The transfer by JT (or any of its

Affiliates) of quality assurance related documents and records relating to customer complaints, change management, deviation management, audits, product releases, quality standard codes, and other relevant information concerning each of the HIV Products, following the sequence to be determined by Gilead.

- 6.1.2 **GVP Migration Taskforce**. The Parties agree to establish a GVP migration taskforce to facilitate the transfer of GVP-related information for the HIV Products in Japan, including those below, (the "**GVP Migration Taskforce**"):
  - 6.1.2.1 The transfer by JT (or any of its Affiliates) of drug safety documents and records, including without limitation (i) individual case reports, (ii) periodic safety reports, (iii) risk management plans, (iv) information relating to early phase post-marketing vigilance and post-marketing surveillance, (v) records of safety measures and notices of taking such measures, and (vi) records of inspections and audits by PMDA, self-inspections and corrective and preventive actions concerning each of the HIV Products, following the sequence to be determined by Gilead; and
  - 6.1.2.2 The transfer by JT (or any of its Affiliates) of information relating to the drug safety database, including without limitation (i) information relating to technical specifications of the drug safety database (i.e. the name of the vendor and application and its version number), (ii) the number of cases reported, the evaluation of each case, if any, (iii) information about the numbering system of the cases, (iv) rules on special situation reports, (v) rules on treatment of safety information of active moieties, and (vi) information on CRO, if any.
  - 6.1.2.3 The transfer by Gilead (including any programming by Gilead of the necessary algorithms) of the safety data of JT's [*] database into Gilead's [*] database.
- 6.1.3 **Regulatory Taskforce**. The Parties agree to form a Regulatory Taskforce (the "**Regulatory Taskforce**") for coordination of the discussions and procedures to be followed with PMDA regarding the transfer of the Assigned Regulatory Approvals to GSJ and any other regulatory activities, including the sNDA, as described in further detail in Section 8.4 and in the Transition Services Agreement. The Regulatory Taskforce shall also oversee and attend to the MAH Transfer from JT to GSJ, with a goal to achieve the MAH Transfer as quickly as practicable, as described in further detail in Section 8.7 and the Transition Services Agreement.
- 6.2 **Governance of Taskforces and Transition Activities**. The GQP Migration Taskforce, the GVP Migration Taskforce, the Regulatory Taskforce and all transition activities to enable the Commercial Handover and MAH Transfer shall be overseen by a Joint Committee (the "**Joint Committee**") established pursuant to this Agreement and shall be conducted while observing all

applicable Law, in particular competition law. The Joint Committee shall operate by the procedures set forth in this Section 6.2 and shall have only the powers described in this

Article 6 and elsewhere in this Agreement or any New Ancillary Agreement. For the avoidance of doubt, the Joint Committee shall not have the power to amend this Agreement or any Ancillary Agreement, and none of the taskforces established herein shall have decision-making authority.

#### 6.2.1 **Role of the Joint Committee.** The role of the Joint Committee will be to:

- 6.2.1.1 oversee the establishment and operation of the taskforces described in Section 6.1 and establish rules and procedures governing such taskforces;
- 6.2.1.2 facilitate the exchange of information between the Parties under this Agreement and the Ancillary Agreements (including the exchange of information relating to HIV Products outside Japan, to the extent necessary to perform the activities as NDA holder under the Transition Services Agreement);
- 6.2.1.3 review, discuss and facilitate resolution of matters discussed in the Joint Committee;
- 6.2.1.4 establish such working groups or sub-committees, as it may choose from time to time to accomplish its purposes, and such groups or subcommittees may include those not members of the Joint Committee;
- 6.2.1.5 establish procedures for the efficient sharing of Regulatory Documentation, Know-How and materials necessary for the Commercial Handover, consistent with this Agreement and the Transition Services Agreement;
- 6.2.1.6 perform the functions assigned to the committees under the VTE License Agreement until such agreement is terminated, and perform the functions assigned to the "Joint Committee" as defined under the EVG License Agreement as such functions relate specifically to Japan until the Amended and Restated EVG License Agreement is in effect; and
- 6.2.1.7 perform such other functions as appropriate to further the purposes of this Agreement and the New Ancillary Agreements, as specified herein or in the applicable New Ancillary Agreement, including the resolution of disputes as contemplated by Section 13.10, or as otherwise agreed in writing by the Parties.

For clarification, until the Amended & Restated EVG License Agreement becomes effective, the Joint Committee under the EVG License Agreement shall perform its functions in accordance therewith as it

relates to the EVG Products outside Japan.

6.2.2 **Decision-Making**. Any disputes or disagreements concerning matters that cannot be resolved within the Joint Committee, and for which agreement between the Parties is required or otherwise involves breach of this Agreement, except as otherwise specified in the applicable Ancillary Agreement, [*]. The Joint Committee shall not have any power to amend, modify or waive compliance with this Agreement or any Ancillary Agreement.

## 6.2.3 Joint Committee Membership and Procedures.

- 6.2.3.1 Membership. JT and Gilead have each designated three (3) representatives to serve on the Joint Committee, as set forth in Schedule 6.2.3. Either Party may designate substitutes for its representatives if one (1) or more of such Party's designated representatives is unable to be present at a meeting. From time to time each Party may replace its representatives by written notice to the other Party specifying the prior representative(s) and their replacement(s). A representative of Gilead shall serve as the chairperson of the Joint Committee.
- 6.2.3.2 **Meetings**. The Joint Committee shall hold meetings at such times as it elects to do so. The chairperson shall be responsible for calling meetings. As the Joint Committee so determines at each such meeting, participants shall discuss the Commercial Handover and other transitional activities. Meetings of the Joint Committee shall be effective only if at least two (2) representatives of each Party are present or participating. The Joint Committee may meet either (i) in person at either Party's facilities, (ii) by audio or video teleconference, or (iii) at such locations as the Parties may otherwise agree. With the prior consent of each Party's representatives, other representatives of each Party or Third Parties involved with Development, Regulatory Approval, manufacture or Commercialization of HIV Products in Japan and procurement, maintenance and enforcement of Patent and trademark protection for HIV Products in Japan may attend meetings as observers.
- 6.2.3.3 **Minutes**. One of Gilead's Joint Committee representatives shall be responsible for preparing and issuing minutes of each such meeting within [*] days thereafter. Such minutes will not be finalized until JT reviews and confirms with Gilead the accuracy of such minutes in writing.
- 6.2.3.4 **Meeting Agendas**. A Gilead Joint Committee representative shall, after consulting with other Joint Committee representatives, develop and circulate an agenda containing the topics (i.e., Development, manufacturing or Commercialization issues and other agenda items) for

the upcoming meeting. The Gilead Joint Committee representative shall disclose to the representatives of the Joint Committee (i) the draft agenda no later than [*] Business Days in advance, and (ii) its final agenda at least [*] Business Days in advance, of each meeting of the Joint Committee; provided that under exigent circumstances requiring Joint Committee input, the Gilead Joint Committee representative may provide the draft and final agenda to the representatives of the Joint Committee within a lesser period of time in advance of the meeting, or may propose that there not be a specific agenda for a particular meeting, so long as such Joint Committee representatives reasonably consent to such temporary changes to the general process for distributing the agenda for Joint Committee meetings.

6.2.3.5 **Disbandment**. The Joint Committee shall disband upon notice by Gilead after the MAH Transfer.

# ARTICLE 7 COMPETITION LAW FILINGS; RESTRICTIVE COVENANTS

- 7.1 General. Commencing as of the Execution Date and continuing after Closing, JT shall, and shall cause its Affiliates to, (a) except for activities relating to the Japan HIV Products Business transferred to Gilead or its Affiliate as contemplated hereunder and under the Ancillary Agreements, conduct its activities with respect to the Japan HIV Products Business in all material respects in the ordinary course of business, consistent with past practice and in accordance with applicable Law, until the MAH Transfer Date and (b) use diligent efforts to (i) prior to Closing, preserve the Japan HIV Products Business and the goodwill associated therewith and following Closing continue to conduct its activities in a manner to preserve the Japan HIV Products Business and the goodwill associated therewith, until the MAH Transfer Date, (ii) maintain its ability to package and label the HIV Products as needed to fulfill its obligations under the Packaging and Labeling Agreement, (iii) maintain its relations and goodwill with customers and other Persons having business relationships with JT and its Affiliates related to the Japan HIV Products Business until the Distribution Change Date [*], (iv) maintain the Assigned Assets in good condition until assigned to Gilead or its applicable Affiliate and (v) until the Distribution Change Date, conduct distribution activities in respect of the HIV Products with at least the same (and no less than a reasonable) standard of care, skill, performance, and diligence that JT and its Affiliates provided to the HIV Products as of immediately prior to the Execution Date. Without limiting the foregoing, except as necessary to perform its activities under the Transition Services Agreement, JT shall not, and shall cause its respective Affiliates not to, [*], do any of the following:
  - 7.1.1 Encumber any Assigned Assets or sell, transfer, license, lease, permit to lapse or otherwise dispose of any Assigned Assets;
    - 7.1.2 (A) terminate or fail to renew any Assigned Contract, or make any amendment to

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or waive any right or remedy under any such Assigned Contract or (B) enter into any new Contract relating to the Japan HIV Products Business;

- 7.1.3 (A) abandon, lapse or allow to lapse any intellectual property that is held for use, used in the conduct of or related to the Japan HIV Products Business or (B) grant any license, sublicense or other right with respect to such intellectual property;
- 7.1.4 intentionally vary any inventory practices or inventory levels with respect to any HIV Product or engage in channel stuffing or similar practices in either case in a manner inconsistent with the ordinary course of business;
- 7.1.5 commence, compromise or settle any Action related to the Japan HIV Products Business or any Assigned Assets:
- 7.1.6 (A) revise or modify any promotional material or the label of any HIV Product or make other regulatory filings for any of the HIV Products in Japan other than as required by Law or as required to conduct its obligations under this Agreement and the Ancillary Agreements, or (B) add, remove or otherwise alter any references to the HIV Products in any website controlled by JT, Torii or their respective Affiliates or any of the content of such references in any such website, in each case ((A) and (B)), except as required by a Governmental Authority or as otherwise required by applicable Law; or
  - 7.1.7 agree or commit to do any of the foregoing.
- **7.2** Efforts to Consummate Transaction. Each of the Parties agrees to use all commercially reasonable efforts to take, or cause to be taken, all actions, and to do, or cause to be done, all things necessary, proper or advisable to the extent permissible under applicable Law, to consummate and make effective the Transaction as expeditiously as practicable and to ensure that the conditions set forth in ARTICLE 3 or otherwise in this Agreement are satisfied, insofar as such matters are within the control of such Party.

#### 7.3 Notification of Certain Matters.

7.3.1 From the Execution Date until the Closing, each Party shall promptly notify the other Party of (a) any Action that shall be instituted or threatened (in a writing delivered to such Party) against such Party to restrain, prohibit or otherwise challenge the legality of any transaction contemplated by this Agreement, (b) any occurrence that occurs, arises or exists after the date of this Agreement and that would cause or constitute a material breach, or would reasonably be expected to cause or constitute a material breach, of any representation or warranty or covenant or obligation of such Party in this Agreement, (c) any occurrence that would make the timely satisfaction of any of the conditions set forth in ARTICLE 3 of this Agreement impossible or unlikely, and (d) any event, occurrence, effect, matter, change, development, condition or state of facts that occurs, arises or exists after the Execution Date and

that would cause or constitute, or would reasonably be expected to cause or constitute, a Material Adverse Effect.

- 7.3.2 From the Execution Date until the MAH Transfer Date, each Party shall promptly notify the other Party of (a) any Action that is commenced or, to the Party's knowledge, threatened against the Party or their respective Affiliates related to the Japan HIV Products Business or (b) any material regulatory investigation that is commenced to the Party's knowledge or material regulatory inquiry made by a Governmental Authority, in each case related to the Japan HIV Products Business.
- 7.3.3 No notice delivered pursuant to this Section 7.3 shall operate to waive or limit any of the rights or remedies of any of the Parties hereunder for the matters disclosed therein.
- 7.4 **Competition Law Filings**. (a) GSJ shall make any filings required to be made to the Japan FTC in accordance with applicable Law in Japan with respect to the transactions contemplated hereby as promptly as practicable after the Execution Date, (b) JT shall supply as promptly as practicable any additional information and documentary material that may be requested by the Japan FTC, and (c) each Party shall (i) keep each other promptly informed of communications from and to personnel of the Japan FTC and confer with each other regarding contacts with and responses to personnel of such authority to the extent permitted by applicable Law, and (ii) use their diligent efforts to take all other actions necessary to obtain any required clearances from the Japan FTC. Each Party shall cooperate fully with the other Parties and their Affiliates in connection with the foregoing.
  - 7.5 [*]. [*].
- 7.6 **No Termination of EVG License Agreement**. Neither Party will terminate or seek to terminate the EVG License Agreement prior to the effective date of the Amended and Restated EVG License Agreement.
- 7.7 **No Termination of VTE License Agreement**. Neither Party will terminate or seek to terminate the VTE Agreement prior to its termination under Section 2.1.17.

# ARTICLE 8 OTHER COVENANTS

- 8.1 **Wholesaler Introduction**. On or promptly following the Closing Date, JT shall conduct, or shall cause Torii to conduct, the Wholesaler Introduction as set forth in Schedule 8.1.
- 8.2 **HIV Physician Introduction**. Promptly following the Closing Date, JT shall conduct, or shall cause Torii to conduct, the HIV Physician Introduction as set forth in Schedule 8.2.
- 8.3 **Speaker/Seminar Transition**. Promptly following the Closing Date, JT shall conduct, or shall cause Torii to conduct, the Speaker/Seminar Transition as set forth in Schedule 8.3.
  - 8.4 sNDA. Until the MAH Transfer Date, the Regulatory Taskforce shall oversee the sNDA.

JT shall (a) provide to GSJ in an ongoing manner all information relating to the sNDA, (b) where legally permissible and requested by GSJ, accompany GSJ personnel to meetings with PMDA, (c) consult with GSJ on any prospective clinical trial plans prior to discussions with PMDA, (d) consult with GSJ on the timing of submission of documents to PMDA, and (e) make diligent efforts so that the sNDA application does not impact the timing of the MAH Transfer.

- 8.5 Each Party's Obligation During the Period from Marketer Change Date to MAH Transfer and Thereafter.
  - 8.5.1 During the period from Marketer Change Date to Distribution Change Date:
    - 8.5.1.1 JT shall import the HIV Products, have them packaged and labeled and sell (but neither market nor promote) the HIV Products in Japan;
    - 8.5.1.2 JT shall pay the Promotion Fee to GSJ and the amounts set forth in Section 4.5;
    - 8.5.1.3 In accordance with the Transition Services Agreement, JT shall undertake the activities as the marketing authorization holder, including pharmacovigilance and quality assurance activities and governance of approval of materials; and
    - 8.5.1.4 GSJ shall promote and market the HIV Products in accordance with the applicable Law in Japan and duly cooperate with JT in meeting JT's obligation as the marketing authorization holder.
- 8.5.2 During the period from Distribution Change Date to the MAH Transfer Date, if the Distribution Change Date predates the MAH Transfer Date:
  - 8.5.2.1 GSJ shall sell the HIV Products in Japan;
  - 8.5.2.2 JT shall continue as the marketing authorization holder in Japan and pay the Promotion Fee (if any) to GSJ in accordance with the Promotion Agreement, if any;
  - 8.5.2.3 In accordance with the Transition Services Agreement, JT shall continue undertaking the activities as the marketing authorization holder, including pharmacovigilance and quality assurance activities and governance of approval of materials; and
  - 8.5.2.4 GSJ shall have the sole right to promote, market and distribute the HIV Products and shall do so in accordance with the applicable Law in Japan and duly cooperate with JT in meeting JT's obligation as the marketing authorization holder.

- 8.5.3 During the period after the MAH Transfer Date and beyond:
  - 8.5.3.1 GSJ shall have the sole right to import the HIV Products, have them packaged and labeled and sell the HIV Products in Japan;
  - 8.5.3.2 GSJ shall have the sole responsibility to undertake the activities as the marketing authorization holder, including pharmacovigilance and quality assurance activities and governance of approval of materials; and
  - 8.5.3.3 GSJ shall have the sole right to promote and market, and distribute the HIV Products in Japan.
- 8.6 **Notices**. At least [*] Business Days (or other period agreed on between the Parties) before the Distribution Change Date, Gilead shall, or shall cause its applicable Affiliate to, provide notice, in a form agreed by the Parties, to all hospitals and pharmacies that have purchased HIV Products at any time on or after [*], that the registered marketer/distributor will change from Torii to GSJ as of the Distribution Change Date and request such hospitals and pharmacies to order and purchase the HIV Products from GSJ on or after the Distribution Change Date.
- 8.7 **MAH Transfer**. Until the MAH Transfer Date, the Regulatory Taskforce shall oversee and attend to the MAH Transfer from JT to GSJ, with a goal to achieve the MAH Transfer as quickly as practicable. The Regulatory Taskforce shall discuss and agree on the timing to file a notice of MAH Transfer with PMDA including the expected MAH Transfer Date, considering the progress of the Safety Data Migration, and the timing of the MAH Transfer shall be as agreed by the Parties through the Regulatory Taskforce. Each Party shall use diligent efforts to complete the MAH Transfer by [*].

8.8 [*]. [*].

- 8.9 **Discontinuation of Names and Logos**. On and after the Distribution Change Date, JT shall no longer use, and shall cause any of its Affiliates to not use, any and all names or logos of Gilead or its Affiliates and any product tradenames or trademarks for the HIV Products, in each case except (i) as may be required in order for it to perform its obligations hereunder and under the Ancillary Agreements, or (ii) in reference to activities prior to the Distribution Change Date.
- 8.10 **Discontinuation of Promotion of HIV Products**. On and after the Marketer Change Date, except as otherwise agreed by the Parties in the Transition Services Agreement or by Gilead in writing, JT and its Affiliates shall no longer Commercialize (other than distribute) any HIV Product and shall cease any and all Commercialization activities other than those assigned to it under the Transition Services Agreement (if any) or pursuant to a mutually agreed written wind-down plan to ensure that the transfer of product promotional activities and distribution is properly conducted, which wind-down plan shall be set forth in the Transition Services Agreement.
- 8.11 **Discontinuation of Distribution of HIV Products**. On and after the Distribution Change Date, except as otherwise agreed by the Parties in writing, JT and is Affiliates shall no longer distribute

any HIV Product and shall cease any and all Commercialization activities other than those mutually agreed in writing. HIV Product returns shall be handled in accordance with Section 2.1.5.

- 8.12 **JT Assistance** . JT shall provide its assistance to Gilead or its designated party, as may be reasonably necessary to transfer and transition over a reasonable period of time to Gilead all other technology or know-how, or then-existing commercial arrangements, that is, or are, necessary or useful for Gilead to commence or continue Commercializing the HIV Products in Japan, including without limitation transferring any agreements or arrangements with relevant Third Party vendors. Such assistance shall be at no cost to Gilead except as otherwise expressly provided in the Transition Services Agreement. To the extent that any such contract between JT and a Third Party is not assignable to Gilead, then JT shall reasonably cooperate with Gilead to arrange to continue to obtain such services from such entity for JT to provide to Gilead. In addition, in the event any Governmental Authority requests from Gilead or any of its Affiliates any information, documents or records in respect of the HIV Products Business that are in the possession of JT or any of its Affiliates, or that can be generated only by JT or its Affiliates, JT shall, and shall cause its Affiliates to, reasonably assist Gilead and its Affiliates in responding to such request, including by furnishing or generating such information, documents or records.
  - 8.13 JT Ongoing Study Support. [*].

## ARTICLE 9 REPRESENTATIONS AND WARRANTIES

- 9.1 **Mutual Representations and Warranties of the Parties**. Each Party hereby represents and warrants (with respect it itself and, where applicable, its Affiliates) to the other Parties as of the Execution Date and the Closing Date as follows:
  - 9.1.1 **Corporate Existence and Power**. It is a company or corporation duly organized, validly existing and in good standing under the Laws of the jurisdiction in which it is incorporated, and has full corporate power and authority and the legal right to own and operate its property and assets and to carry on its business as it is now being conducted and as contemplated in this Agreement, including, without limitation, in the case of JT, the right to assign the Assigned Assets, and in the case both Parties, to grant the licenses granted hereunder.
  - 9.1.2 **Authority and Binding Agreement**. (a) It has the corporate power and authority and the legal right to enter into this Agreement and all New Ancillary Agreements and perform its obligations hereunder; (b) it has taken all necessary corporate action on its part required to authorize the execution and delivery of the Agreement and all New Ancillary Agreements and the performance of its obligations hereunder; and (c) the Agreement and all New Ancillary Agreements have been (or, in the case of New Ancillary Agreements to be executed and delivered after the Execution Date, will be) duly executed and delivered on behalf of such Party, and constitutes (or, in the case of New Ancillary Agreements to be executed and delivered after

the Execution Date, will constitute) a legal, valid and binding obligation of such Party that is enforceable against it in accordance with its terms.

- 9.1.3 **No Conflict**. It has not entered, and shall not enter, into any agreement with any Third Party or any Affiliate that is in conflict with the rights granted to the other Party under this Agreement and all Ancillary Agreements, and has not taken and shall not take any action that would in any way prevent it from granting the rights granted to the other Party under this Agreement and all Ancillary Agreements, or that would otherwise materially conflict with or adversely affect the rights granted to the other Party under this Agreement and all Ancillary Agreements. Its performance and execution of this Agreement and all Ancillary Agreements shall not result in a material breach of any other contract to which it is a Party or assuming the receipt of clearance of the Japan FTC as contemplated by Section 7.4, of any applicable Law or Order.
- 9.1.4 **Board Approvals**. With respect to Gilead and GSJ, its respective Board of Directors or governing management has approved the Transaction and the agreements contemplated hereunder, and with respect to JT and Torii, its respective Board of Directors or governing management body has approved the Transaction and the agreements contemplated hereunder.
- 9.2 **Representations and Warranties of JT.** JT hereby represents and warrants to Gilead and GSJ as of the Execution Date and the Closing Date as follows:
  - 9.2.1 **Sufficiency**. (a) The Assigned Assets constitute the entire right, title and interest owned by JT or any of its Affiliates in all assets solely relating to the Japan HIV Products Business and the Existing Contracts, (b) the Assigned Assets and intellectual property licensed to Gilead hereunder and under the EVG License Agreement, constitutes all assets and rights necessary and sufficient for the conduct of the Japan HIV Products Business as it is conducted, and (c) all assets and rights (including intellectual property rights other than corporate names and logos) actually used or practiced by JT and its Affiliates in the conduct of Japan HIV Products Business, other than the Existing Contracts, are included in the Assigned Assets or the intellectual property licensed to Gilead hereunder or under the EVG License Agreement, in each case other than real estate, office equipment, employees, and personal property (other than intellectual property) that is generally commercially available to the public.
  - 9.2.2 **EVG and VTE Representations**. Given that JT is the licensor of EVG and it made certain representations and warranties in connection with entering into the EVG License Agreement with respect to the EVG Products and that Japan will be included under the Amended and Restated EVG License Agreement as part of Gilead's licensed territory, JT hereby represents and warrants that the representations in Section 10.1(d), 10.1(e), and 10.2 of the EVG License Agreement are true and correct as applied to Japan as of the Execution Date. JT additionally represents and warrants that (a) to the actual knowledge of the Key JT Personnel, there are not any Patents (other than Assigned Patents and Patents owned or controlled by Gilead or its

Affiliates) that would be infringed by the Manufacture, Development, use, sale, offer for sale or importation of the VTE Products in Japan (all as defined in the VTE Agreement), and (b) neither JT nor any of its Affiliates have granted a license in the JT Patents covered by the EVG License to any Third Party.

- 9.2.3 **Title to Assets** . Immediately prior to and as of the Assignment Date JT has good and valid title to the Assigned Assets, where such title is applicable, in each case free and clear of all Encumbrances. Immediately following the Assignment Date, Gilead or GSJ, as applicable, will have been given good and valid title to the Assigned Assets, where such title is applicable, which in each case will have been given free and clear of all Encumbrances. In addition, JT's and its Affiliates' performance and execution of this Agreement and the Ancillary Agreements will not result in the imposition of any Encumbrance on the Assigned Assets.
- 9.2.4 Assigned Contracts. Each of the Assigned Contracts represents a valid and binding obligation of one or more of JT or its Affiliate(s) party thereto and, to the actual knowledge of the Key JT Personnel, each other party thereto, and is enforceable against JT or its Affiliate and, to the actual knowledge of the Key JT Personnel, each other party thereto, in accordance with its terms, and is in full force and effect, subject to (a) the effects of bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and other similar Laws relating to or affecting the enforcement of creditors' rights generally and (b) general equitable principles (whether considered in a proceeding in equity or at Law). None of JT or any of its Affiliates is in breach of or default under any of the Assigned Contracts and, to the actual knowledge of the Key JT Personnel, no other party thereto is in breach of or default under any Assigned Contract, and none of JT or any of its Affiliates have given or received written notice to or from any Person relating to any such alleged breach or default. None of JT or any of its Affiliates has received any written or, to the actual knowledge of the Key JT Personnel, unwritten notice that a party to any Assigned Contract intends to cancel, withdraw, modify or amend such Assigned Contract, nor has JT or any of its Affiliates given such a written notice to a party to any Assigned Contract. True and complete copies of all Assigned Contracts (including all schedules, exhibits, appendices, amendments, modifications and waivers relating thereto) have been made available to Gilead.
- 9.2.5 Compliance with Law; Permits; Regulatory Matters. JT and its Affiliates are, and during the past [*] years, have been in compliance with all Laws and industry self-regulations applicable to the ownership and use of the Assigned Assets and the operation of the Japan HIV Products Business, including (a) any applicable Laws governing the approval, manufacture, sale, marketing, promotion, or distribution of drugs and the purchase or prescription of or reimbursement for drugs by any applicable Governmental Authority and (b) all applicable Laws regulating the pharmaceutical industry, except where the failure to so comply would not, individually or in the aggregate, reasonably be expected to materially and adversely affect the Assigned Assets or the Japan HIV Products Business. JT and its Affiliates have conducted all activities with respect to the Assigned Assets or the Japan HIV Products Business

that are subject to the jurisdiction of any applicable Governmental Authority, including the manufacturing, labeling, storing, shipping and testing of the HIV Products, in compliance in all material respects with all applicable Laws, regulations and guidance documents issued or adopted by such Governmental Authorities and industry associations (collectively, the "Regulatory Requirements"). Neither JT nor its Affiliates have received any notice or other communication from any Governmental Authority alleging any violation of any Regulatory Requirement by JT or its applicable Affiliate relating to any such activity.

9.2.6 **Litigation**. There is no Action pending or, to the actual knowledge of the Key JT Personnel, threatened against JT or its Affiliates with respect to any HIV Product in Japan, the Japan HIV Products Business, or any of the Assigned Assets, to the Japan HIV Products Business or the Assigned Assets. None of JT or any of its Affiliates is a party or subject to the provisions of any court Order (a) in Japan relating to any HIV Product, (b) relating to the Assigned Assets or (c) relating to the Japan HIV Products Business.

### 9.2.7 Taxes.

- 9.2.7.1 Payment of Taxes. JT or its applicable Affiliate has timely paid all Taxes that will have been required to be paid by it, the non-payment of which would result in a lien on any Assigned Asset, would otherwise adversely affect the Japan HIV Products Business or would result in Gilead becoming liable or responsible therefor.
- 9.2.7.2 Transfer Taxes. All recordation, transfer, documentary, excise, sales, value added, use, stamp, conveyance or other similar Taxes, duties or governmental charges, and all recording or filing fees or similar costs, imposed or levied by reason of, in connection with or attributable to this Agreement and the Ancillary Agreements or the transactions contemplated hereby and thereby (collectively, "Transfer Taxes") shall be the responsibility of the Party responsible for them under applicable law (unless otherwise provided herein); provided, however, that the Japanese consumption tax that may be levied on the payment under the Transition Services Agreement or Inventory Purchase Agreement or the payment of Promotion Fee, if any, shall be borne by [*]. For clarity, all existing and future withholding taxes and other taxes, duties, fees and further levies payable outside Japan with respect to the payments due to JT under this Agreement shall be payable by Gilead; provided, however that, if any tax treaty is applicable, Gilead and JT shall cooperate with each other to reduce or eliminate the tax withholding or similar obligations in respect of the payment under this Agreement and the Ancillary Agreements.
- 9.2.8 **No Debarment**. In its activities with HIV Products under this Agreement and the Ancillary Agreements, JT and its Affiliates have not used and shall not use any

JT Representative, consultant or other Third Party that has been debarred by the FDA or any Governmental Authority having jurisdiction in Japan.

- 9.2.9 **No Trademarks or Domain Names; No Patents**. JT and its Affiliates do not own (a) any trademarks for the HIV Products or (b) any HIV Product domain names other than [*]. There are no JT Patents or Joint Patents under the VTE Agreement.
- 9.3 Anti-Corruption; Operational Audits and Inspections.
  - 9.3.1 Anti-Corruption. JT hereby represents, warrants and covenants to Gilead and GSJ as follows:
    - 9.3.1.1 Neither JT nor any of its Affiliates or any or all of their respective directors, officers, employees or agents, or any other Person or entity acting on JT's or any such Affiliate's behalf (all the foregoing, collectively "JT Representatives"), has taken any action, directly or indirectly, that would result in a violation by such Persons of the Foreign Corrupt Practices Act of 1977, as amended (such act, including the rules and regulations thereunder, the "FCPA"), the UK Bribery Act of 2010, Gilead's Anti-Corruption Policy set forth in Exhibit E, as may be updated from time to time by Gilead, or any other applicable anti-corruption Laws, rules or regulations (collectively, all the foregoing the "Anti-Corruption Standards").
    - 9.3.1.2 JT and all JT Representatives have conducted and will conduct their business through the MAH Transfer Date in compliance with the Anti-Corruption Standards. JT and its Affiliates has and will have through the MAH Transfer Date necessary procedures in place to prevent bribery and corrupt conduct by the JT Representatives under this Agreement and the Ancillary Agreements. JT shall immediately notify Gilead if JT has any information or suspicion that there may be a violation of the Anti-Corruption Standards in connection with the performance of this Agreement or any Ancillary Agreement. Without limiting the foregoing, JT shall promptly notify Gilead in the event it becomes aware that any JT Representative is in violation of the Anti-Corruption Standards.
    - 9.3.1.3 JT will provide Gilead with written certification of JT's and its Representative's compliance with the Anti-Corruption Standards through the MAH Transfer Date as reasonably requested by Gilead, in the form set forth on Exhibit E.
- 9.3.2 **Operational Audits and Inspections**. JT shall make and maintain, and shall cause each of the JT Representatives to make and maintain, accurate books, accounts, records

and other documentation in reasonable detail, accurately and fairly reflecting transactions and dispositions of assets related to this Agreement and the Ancillary Agreements and to support JT's, and the JT Representatives' compliance with the terms of this Agreement and the Ancillary Agreements, including JT's and the JT Representatives' performance of their obligations concerning (a) marketing and promotional support, and associated employee training; (b) the Anti-Corruption Standards; (c) regulatory communications, registrations and approvals; and (d) pharmacovigilance, product handling, warehousing, distribution, product labeling and associated employee training. At [*], Gilead may conduct an initial audit within [*] months from the execution of this Agreement and, thereafter, [*] in which the MAH Transfer Date occurs. JT shall permit, and cause its Affiliates to permit, Gilead's designated representative upon reasonable notice (which shall be no less than [*] Business Days), during normal business hours, to: (i) visit and inspect any of JT's or its Affiliate's relevant facilities; (ii) examine the relevant books, records or other documentation of JT or its Affiliate and make copies thereof or extracts therefrom; and (iii) discuss the operational affairs (with respect to distribution-related services hereunder) of JT or its Affiliate with the officers and key employees of JT or such Affiliate, as applicable. At Gilead's request, JT shall facilitate any such audit and, following the audit, shall address in an effective and timely manner any significant findings therefrom.

- 9.4 No Other Representations and Warranties. The express representations and warranties stated in this Article 9 or in any New Ancillary Agreement are in lieu of all other representations and warranties, express, implied, or statutory, including without limitation, warranties of merchantability, fitness for a particular purpose, non-infringement or non-misappropriation of Third Party intellectual property rights.
- 9.5 Survival; Right to Indemnification. The representations and warranties herein shall survive the Closing until the date that is [*] after the Closing Date and any indemnification or other claim with respect thereto shall be brought within [*] thereafter, provided, however, the representation and warranties provided pursuant to Sections 9.1, 9.2.3, and 9.2.7 shall survive until the date that is [*] days following the expiration of the applicable statute of limitations. The covenants and other agreements made by the Parties herein shall survive in accordance with their respective terms and if no specific term is provided, in perpetuity.

## **ARTICLE 10 INDEMNITY**

10.1 **Indemnification by JT**. JT shall indemnify and hold harmless Gilead and its Affiliates, and their respective agents, directors, officers and employees (collectively, the "Gilead Indemnified Parties"), from and against any and all liabilities, judgments, claims, settlements, losses, damages, fees, liens, Taxes, penalties, obligations and expenses (including reasonable attorneys' fees and expenses and costs and expenses of investigation) (collectively, "Losses") incurred or suffered, directly or indirectly, by any such Person arising from, by reason of or in connection with:

[*] = CERTAIN CONFIDENTIAL INFORMATION CONTAINED IN THIS DOCUMENT, MARKED BY BRACKETS, IS FILED WITH THE SECURITIES AND EXCHANGE COMMISSION PURSUANT TO RULE 24B-2 OF THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED

- 10.1.1 any breach or inaccuracy of any representation or warranty of JT in this Agreement (it being acknowledged and agreed by the Parties that, for purposes of the right to indemnification pursuant to this Section 10.1.1, the representations and warranties of JT contained in this Agreement shall not be deemed qualified by any references herein or therein to materiality or to whether or not any such breach results, has resulted or could reasonably be expected to result in a Material Adverse Effect);
- 10.1.2 any failure by JT to duly and timely perform or fulfill any of its covenants or agreements required to be performed by JT under this Agreement;
  - 10.1.3 any Excluded Liability;
  - 10.1.4 any Transfer Taxes allocated to JT pursuant to Section 9.2.7.2;
- 10.1.5 any claim by a Third Party that any part of the Transactions constitutes a breach, default or event of default under any contract or agreement between such Third Party and JT or its Affiliates, or is otherwise in contravention of any right of or obligation to such Third Party; provided, however that such claim is not due to the action or inaction of Gilead or its Affiliates.
- 10.1.6 JT's obligation to indemnify the Gilead Indemnified Parties pursuant to this Section 10.1 shall not apply to the extent that any such Losses (a) arise from the negligence or intentional misconduct of any Gilead Indemnified Party; (b) arise from any breach by Gilead of this Agreement or any Ancillary Agreement; or (c) are Losses for which Gilead is obligated to indemnify the JT Indemnified Parties pursuant to Section 10.3, Section 11.2 of the A&R EVG License Agreement or any corresponding section of any other Ancillary Agreement.
- 10.2 **Limitations on JT Indemnification**. The indemnifications provided for in Section 10.1 shall be subject to the following limitations:
  - 10.2.1 JT shall not be liable for indemnification under Section 10.1.1 until the aggregate amount of all Losses under Section 10.1.1 exceeds USD 100,000 ("Basket Amount"), in which event JT shall be liable for all such Losses including the Basket Amount; provided, however, the Basket Amount shall not apply to Losses in any manner whatsoever arising directly or indirectly from or in connection with fraud, intentional misrepresentation, active concealment, or any breach of or inaccuracy in any representation and warranty set forth in Sections 9.1, 9.2.3, and 9.2.7;
  - 10.2.2 The aggregate amount of all Losses for which JT shall be liable for indemnification under Section 10.1.1 shall not exceed USD 54,000,000 ("Cap"); provided, however, the Cap shall not apply to Losses in any manner whatsoever arising directly or indirectly from or in connection with fraud, intentional misrepresentation, active concealment, or any breach of or inaccuracy in any representation and warranty set forth in Sections 9.1, 9.2.3, and 9.2.7; and

- 10.2.3 The aggregate amount of all Losses for which JT shall be liable for indemnification under Section 10.1 shall not exceed USD 540,000,000 (the "**Transaction Cap**"); provided, however, the Transaction Cap shall not apply to Losses in any manner whatsoever arising directly or indirectly from or in connection with fraud, intentional misrepresentation, active concealment, gross negligence or willful misconduct, or to the indemnification set forth in Section 10.1.3.
- 10.3 **Indemnification by Gilead**. Gilead shall indemnify and hold harmless JT and its Affiliates, and their respective agents, directors, officers and employees of JT and its Affiliates (collectively, the "**JT Indemnified Parties**"), from and against any and all Losses incurred or suffered, directly or indirectly, by any such Person arising from, by reason of or in connection with:
  - 10.3.1 any breach or inaccuracy of any representation or warranty of Gilead in this Agreement (it being acknowledged and agreed by the Parties that, for purposes of the right to indemnification pursuant to this Section 10.3, the representations and warranties of Gilead contained herein shall not be deemed qualified by any references herein or therein to materiality);
  - 10.3.2 any failure by Gilead to duly and timely perform or fulfill any of its covenants or agreements required to be performed by Gilead under this Agreement;
    - 10.3.3 any Assumed Liabilities;
    - 10.3.4 any Taxes allocated to Gilead or GSJ pursuant to Section 9.2.7.2; or
  - 10.3.5 any claim by a Third Party that any part of the Transactions constitutes a breach, default or event of default under any contract or agreement between such Third Party and Gilead, or is otherwise in contravention of any right of or obligation to such Third Party; provided, however that such claim is not due to the action or inaction of JT or its Affiliates; or
  - 10.3.6 the marketing activities and responsibilities pursuant to the license grant under Section 5.1.2 and as set forth in Section 8.5 and JT continuing to be the NDA holder from the Marketer Change Date to the MAH Transfer Date, except in each case to the extent such Losses arise from a Liability allocated to JT or its Affiliates under the Master Agreement or any Ancillary Agreement.
  - 10.3.7 Gilead's obligation to indemnify the JT Indemnified Parties pursuant to this Section 10.3 shall not apply to the extent that any such Losses (a) arise from the negligence or intentional misconduct of any JT Indemnified Party; (b) arise from any breach by JT of this Agreement or any Ancillary Agreement; or (c) are Losses for which JT is obligated to indemnify the Gilead Indemnified Parties pursuant to Section 10.1, Section 11.1 of the A&R EVG License Agreement or any corresponding section of any other Ancillary Agreement.

- 10.4 **Limitations on Gilead Indemnification**. The indemnifications provided for in Section 10.3 shall be subject to the following limitations:
  - 10.4.1 Gilead shall not be liable for indemnification until the aggregate amount of all Losses under Section 10.3.1 exceeds the Basket Amount, in which event Gilead shall be liable for all such Losses including the Basket Amount; provided, however, the Basket Amount shall not apply to Losses in any manner whatsoever arising directly or indirectly from or in connection with fraud, intentional misrepresentation, active concealment, or any breach of or inaccuracy in any representation and warranty set forth in Section 9.1;
  - 10.4.2 The aggregate amount of all Losses for Gilead shall be liable for indemnification under Section 10.3.1 shall not exceed the Cap; provided, however, the Cap shall not apply to Losses in any manner whatsoever arising directly or indirectly from or in connection with fraud, intentional misrepresentation, active concealment, or any breach of or inaccuracy in any representation and warranty set forth in Sections 9.1; and
  - 10.4.3 The aggregate amount of all Losses for Gilead shall be liable for indemnification under Section 10.3 shall not exceed the Transaction Cap; provided, however, the Transaction Cap shall not apply to Losses in any manner whatsoever arising directly or indirectly from or in connection with fraud, intentional misrepresentation, active concealment, gross negligence or willful misconduct or to the indemnification set forth in Section 10.3.3.

#### 10.5 Insurance.

- 10.5.1 Each Party, at its own expense, shall procure and maintain appropriate liability insurance or self-insurance (or retain risks) against Losses arising out of its activities with respect to the manufacture, distribution, packaging and sale of the HIV Products.
  - 10.5.2 All required insurance shall be maintained for a period of [*] years following the MAH Transfer Date.
- 10.5.3 It is understood that such insurance shall not be construed to create a limit of any Party's Liability with respect to its indemnification obligations under this Article 10 or under any Ancillary Agreement. Upon request, each Party shall furnish each other Party with a certificate of insurance evidencing compliance with this Article 10 within [*] calendar days. Each Party shall provide each other Party with written notice at least [*] days prior to the cancellation, non-renewal or material change in such insurance which materially adversely affects the rights of another Party hereunder or under any Ancillary Agreement.

- 10.6 **Treatment of Indemnity Payments**. Any indemnity payment hereunder shall be treated as an adjustment to the upfront payment set forth in Section 4.1 to the extent permitted by applicable Law.
- 10.7 **Relationship to Ancillary Agreements**. The indemnities and other provisions set forth in this Agreement are not intended to limit any indemnities that may be available under any Ancillary Agreement but no double recovery is intended.
- 10.8 Limitation of Liability. EXCEPT TO THE EXTENT SUCH PARTY MAY BE REQUIRED TO INDEMNIFY THE OTHER PARTY FOR CLAIMS BROUGHT BY THIRD PARTIES UNDER THIS ARTICLE 10, AND EXCEPT FOR A PARTY'S BREACH OF ITS OBLIGATIONS UNDER ARTICLE 11 (CONFIDENTIALITY), NEITHER PARTY NOR ITS RESPECTIVE AFFILIATES AND LICENSEES SHALL BE LIABLE FOR SPECIAL, EXEMPLARY, CONSEQUENTIAL OR PUNITIVE DAMAGES, WHETHER IN CONTRACT, WARRANTY, TORT, STRICT LIABILITY OR OTHERWISE.

### 10.9 Certain Procedures for Indemnification.

- 10.9.1 If any Person entitled to indemnification under this Agreement (an "Indemnified Party") asserts a claim for indemnification, or receives notice of the assertion of any claim or of the commencement of any Action by any Person not a party to this Agreement (a "Third Party Claim") against such Indemnified Party for which a Party is required to provide indemnification under this ARTICLE 10 (an "Indemnifying Party"), the Indemnified Party shall promptly notify the Indemnifying Party in writing of the claim or the commencement of that Action; *provided, however*, that the failure to so notify the Indemnifying Party shall not relieve the Indemnifying Party from any Liability that it may have to the Indemnified Party, except to the extent that such failure actually and materially prejudices the Indemnifying Party's ability to defend such Action.
- 10.9.2 With respect to Third Party Claims for which indemnification is claimed hereunder, if (a) such claim can properly be resolved by money damages alone, (b) the Indemnifying Party commits in writing to the Indemnified Party to diligently and vigorously conduct such defense, and (c) the Indemnifying Party acknowledges in writing to the Indemnified Party that any damages, fines, costs or other liabilities that may be assessed against the Indemnified Party in connection with such Third Party Claim constitute Losses for which the Indemnified Party shall be indemnified pursuant to this ARTICLE 10, then the Indemnifying Party shall be entitled (i) to direct the defense of any claim at its sole cost and expense, but such defense shall be conducted by legal counsel reasonably satisfactory to the Indemnified Party, and (ii) to settle and compromise any such Third Party Claim with the prior written consent of the Indemnified Party; *provided*, *however*, that the Indemnifying Party may not assume control of the defense of any Third Party Claim if (A) such Third Party Claim relates to or arises in connection with any criminal proceeding, Action, indictment, allegation or investigation, (B) such Third Party Claim seeks any injunction or equitable relief against the Indemnified Party or (C) such Third Party Claim alleges the infringement of the intellectual property rights of any

Person by the Indemnified Party. The Indemnifying Party may not maintain control of the defense, appeal or settlement of any Third Party Claim if the Indemnifying Party has failed or is failing to defend in good faith such Third Party Claim. After notice from the Indemnifying Party to the Indemnified Party of its election to assume the defense of such Third Party Claim, the Indemnifying Party shall not be liable to the Indemnified Party under this Section 10.9 for any legal or other expenses subsequently incurred by the Indemnified Party in connection with the defense thereof other than reasonable costs of investigation or of assistance as contemplated by this 10.9; *provided*, *however*, that if, in the reasonable opinion of the Indemnified Party, it is advisable for the Indemnified Party to be represented by separate counsel due to actual or potential conflicts of interest, the Indemnified Party shall have the right to employ counsel to represent it and in that event the fees and expenses of such separate counsel shall be paid by the Indemnifying Party. The Indemnified Party and the Indemnifying Party shall each render to each other such assistance as may reasonably be requested in order to ensure the proper and adequate defense of any such Third Party Claim.

- 10.9.3 If an Indemnified Party shall have a claim to be indemnified by an Indemnifying Party under this Agreement which does not involve a Third Party Claim, the Indemnified Party shall with reasonable promptness send to the Indemnifying Party a written notice specifying the nature, the amount thereof, to the extent known, and the basis for indemnification sought (it being understood that the failure of the Indemnified Party to give such notice with reasonable promptness will not relieve the Indemnifying Party from its indemnification obligations hereunder). The Indemnifying Party will have [*] days from receipt of any such notice to give notice of dispute of the claim to the Indemnified Party.
- 10.10 **Effect of Knowledge on Indemnification.** Neither Party shall be liable under this; Article or otherwise for any Losses resulting from or relating to any inaccuracy in or breach of any representation or warranty in this Agreement if the Party seeking indemnification for such Losses had knowledge of such inaccuracy or breach before the Execution Date. As used in this Section 10.10, "knowledge" shall mean the actual knowledge of the Key JT Personnel or the Key Gilead Personnel, as applicable.
- 10.11 **Indemnification Payments**. Any indemnification payment to be made to any Indemnified Party pursuant to this ARTICLE 10 shall be effected by wire transfer of immediately available funds within [*] days after the determination thereof to an account designated in writing by the applicable Indemnified Party.

## ARTICLE 11 CONFIDENTIALITY PUBLIC ANNOUNCEMENTS

11.1 Treatment of Confidential Information. The Parties agree that during the term of this Agreement, and for a period of [*] years after the Closing or termination of this Agreement (or longer, if applicable, under any Ancillary Agreement as specified therein), a Party receiving Confidential Information of any other Party shall (a) maintain in confidence such Confidential Information to the

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[*] = CERTAIN CONFIDENTIAL INFORMATION CONTAINED IN THIS DOCUMENT, MARKED BY BRACKETS, IS FILED WITH THE SECURITIES AND EXCHANGE COMMISSION PURSUANT TO RULE 24B-2 OF THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED

same extent such Party maintains its own proprietary industrial information of similar kind and value (but at a minimum each Party shall use commercially reasonable efforts to maintain Confidential Information in confidence); (b) not disclose such Confidential Information to any Third Party without prior written consent of the disclosing Party, except for disclosures made in confidence to its respective Affiliates, any Third Party pursuant to a plan approved by the Joint Committee or, in the case of Gilead, to its licensees or sublicensees who agree to be bound by obligations of non-disclosure and non-use at least as stringent as those contained in this ARTICLE 11; and (c) not use such Confidential Information for any purpose except those purposes permitted by this Agreement or any Ancillary Agreement. "Confidential Information" shall mean (i) any information that constitutes "Confidential Information" under any Ancillary Agreement other than the Amended and Restated EVG License Agreement, (ii) all information and materials received by the other Party pursuant to this Agreement or any Ancillary Agreement other than the Amended and Restated EVG License Agreement, other than portion of such information or materials that: (A) is publicly disclosed by the disclosing Party, either before or after it becomes known to the receiving Party; (B) was known to the receiving Party, without obligation to keep it confidential, prior to when it was received from the disclosing Party, as evidenced by competent written proof; (C) is subsequently disclosed to the receiving Party by a Third Party lawfully in possession thereof without obligation to keep it confidential; (D) has been publicly disclosed other than by the disclosing Party and without breach of an obligation of confidentiality with respect thereto; or (E) has been independently developed by the receiving Party without the aid, application or use of Confidential Information, as evidenced by competent written proof and (iii) the terms of this Agreement and the Ancillary Agreements. As of the Closing Date, any Confidential Information of JT or its Affiliates that is included in the Assigned Assets shall become the Confidential Information of Gilead and shall no longer constitute the Confidential Information of JT or its Affiliates. In addition, any Confidential Information of JT and its Affiliates as of the Closing that is not included in the Assigned Assets but that solely relates to the Japan HIV Products Business shall constitute the Confidential Information of both Gilead and JT.

- 11.2 **Authorized Disclosure**. Notwithstanding any other provision of this Agreement or applicable Ancillary Agreement, each Party may disclose Confidential Information of another Party:
  - 11.2.1 to the extent and to the Persons and entities required by an applicable governmental Law or Order; provided, however, that the Party required to disclose Confidential Information shall first have given prompt notice to the other Party hereto to enable it to seek any available exemptions from or limitations on such disclosure requirement and shall reasonably cooperate in such efforts by the other Party;
  - 11.2.2 to the extent and to the Persons and entities required by rules of the National Association of Securities Dealers, the Japanese Securities Dealers Association or any other applicable association governing the stock exchange on which a Party's stock is listed; and
  - 11.2.3 as necessary to file or prosecute patent applications, prosecute or defend litigation or otherwise establish rights or enforce obligations under this Agreement or applicable Ancillary Agreement, but only to the extent that any such disclosure is necessary.

## 11.3 Required Disclosure.

- 11.3.1 The Parties acknowledge that Gilead may be obligated to file a copy of this Agreement or one or more of the New Ancillary Agreements with the United States Securities and Exchange Commission (the "SEC"). Gilead shall be entitled to make such a required filing notwithstanding anything to the contrary in this ARTICLE 11, provided that it (a) requests confidential treatment of at least the commercial terms and material terms hereof to the extent such confidential treatment is reasonably available to Gilead, and (b) solicits JT's comments on such request for confidential treatment. JT recognizes that United States laws and SEC policies and regulations to which Gilead is subject may require Gilead to publicly disclose certain terms of this Agreement and the New Ancillary Agreements that neither of the Parties wishes to disclose, and that Gilead is entitled hereunder to make such required disclosures.
- 11.3.2 The Parties acknowledge that JT or its Affiliate may be obligated to file a copy of this Agreement or one or more of the New Ancillary Agreements with the Japanese Securities and Exchange Surveillance Commission (the "J-SEC"). JT shall be entitled to make such a required filing notwithstanding anything to the contrary in this ARTICLE 11, provided that it (a) requests confidential treatment of the commercial terms and material terms hereof to the extent such confidential treatment is reasonably available and in a manner consistent with Gilead's request for confidential treatment thereof, and (b) solicits Gilead's comments on such request for confidential treatment. Gilead recognizes that Japan laws and J-SEC policies and regulations to which JT is subject may require JT to publicly disclose certain terms of this Agreement and the New Ancillary Agreements that neither of the Parties wishes to disclose, and that JT is entitled hereunder to make such required disclosures.
- 11.3.3 The Parties shall use commercially reasonable efforts to take into account the other Party's comments on such requests for confidential treatment and to conform their respective filings to each other under this Section 11.3 to the extent reasonably practicable and permitted under applicable Law.
- 11.4 **Press Releases**. The Parties acknowledge that each Party may wish or be required to issue subsequent press releases relating to the Transaction. Issuance of such press releases shall be governed by the procedures set forth in Section 11.5.

#### 11.5 Review of Press Releases.

- 11.5.1 The Parties agree to publish an initial press release which will be shared after the execution of this Agreement in form and content set forth in Exhibit F.
- 11.5.2 Following the publishing of such initial press release, if a Party wishes to issue press releases or otherwise make public statements or disclosures concerning the Transaction (other than a press release, statement or disclosure contemplated by Section 11.5.3), the Party wishing to make such disclosure shall give reasonable prior advance notice of the proposed text

of such announcement to the other Party for review and approval (subject to compliance with applicable Law and except as otherwise provided herein).

- 11.5.3 If a Party wishes to issue press releases or otherwise make public statements or disclosures concerning the material terms of this Agreement or any Ancillary Agreement, the Party wishing to make such disclosure shall provide the other Party with reasonable prior advance notice of the proposed text for such other Party's review and approval, except to the extent that doing so is not feasible within the time frame required for compliance with any Laws or regulations, with such approval not to be unreasonably withheld.
- 11.5.4 A Party may repeat any information as to the Transaction or the terms of this Agreement or any Ancillary Agreement that has already been publicly disclosed by such Party in accordance with Section 11.3 or Section 11.5.1 without going through the review procedures set forth in this Section 11.5.
- 11.5.5 A Party may disclose the terms of this Agreement to potential investors, sublicensees or commercial partners who are bound in writing by obligations of non-disclosure and non-use of the terms of this Agreement at least as stringent as those contained in this ARTICLE 11.
- 11.5.6 Without limiting Section 11.5.5, a Party may disclose the financial terms of this Agreement to any Third Party or in any press release only (a) with the prior written approval of the other Party, or (b) if required by applicable Law, rule or regulation.

## ARTICLE 12 TERMINATION; SURVIVAL

- 12.1 **Effectiveness of the Provisions of this Agreement**. The provisions of this Agreement shall not be effective until the Closing occurs, except for the following provisions: Section 2.2, Section 2.3, ARTICLE 3, ARTICLE 7, ARTICLE 9, ARTICLE 11, ARTICLE 12, and ARTICLE 13.
  - 12.2 **Termination**. Prior to the Closing, this Agreement may be terminated:
    - 12.2.1 by the mutual written agreement of the Parties;
  - 12.2.2 by either JT or Gilead, if (a) any Governmental Authority with jurisdiction over such matters shall have issued an Order permanently restraining, enjoining or otherwise prohibiting the Transaction, and such Order shall have become final and unappealable, or (b) there shall be in effect any Law that would have the effect of permanently restraining, enjoining or otherwise prohibiting the Transaction; or
    - 12.2.3 by Gilead, if the Closing has not occurred by [*].
  - 12.3 Procedure and Effect of Termination.

- 12.3.1 **Notice of Termination**. Termination of this Agreement by either Party shall be by delivery of a written notice to the other Party (a "**Notice of Termination**"). A Notice of Termination shall state the termination provision in this Agreement that such terminating Party is claiming provides a basis for termination of this Agreement. Termination of this Agreement pursuant to the provisions of Section 12.2 shall be effective upon and as of the date of delivery of a Notice of Termination as determined pursuant to Section 12.3.
- 12.3.2 **Certain Effects of Termination**. Nothing in this ARTICLE 12 shall relieve either Party of any liability for a breach of this Agreement prior to the termination hereof. Except as provided in the foregoing sentence, (a) upon the termination of this Agreement, all rights and obligations of the Parties under this Agreement shall terminate, except their respective obligations under ARTICLE 11 (*Confidentiality*), Sections 12.3 and 12.4, and ARTICLE 13 (*Miscellaneous*) which shall survive the termination of this Agreement except as specifically provided in such sections, and (b) none of the Parties nor any of their respective partners, directors, officers, managers, members, shareholders, employees, agents or Affiliates (each, a "**Related Party**") shall have any Liability or further obligation to the other Party or any of its Related Parties pursuant to this Agreement with respect to which termination has occurred, except in respect of the rights and obligations identified in clause (a) above, which shall survive as provided in this Section 12.3.2.
- 12.4 **Withdrawal of Certain Filings**. As soon as practicable following a termination of this Agreement, but in no event less than thirty (30) days after such termination, Gilead or JT shall, to the extent practicable, withdraw all filings, applications and other submissions relating to the transactions filed or submitted by or on behalf of such Party, with or to any Governmental Authority or other Person.

## ARTICLE 13 MISCELLANEOUS

13.1 Entire Agreement; Amendment. This Agreement and the Existing Contracts for so long as they remain in effect, and the New Ancillary Agreements (when executed), including the Schedules and Exhibits attached hereto or thereto and incorporated herein or therein, sets forth the complete, final and exclusive agreement and all the covenants, promises, agreements, warranties, representations, conditions and understandings between the Parties with respect to the subject matter hereof and thereof and supersedes and terminates all prior agreements and understandings between the Parties relating to the Transaction (other than the Existing Contracts which are terminated and/or superseded as set forth herein or in the New Ancillary Agreements (when executed)). Except as otherwise expressly provided in this Agreement or in any Ancillary Agreement, there are no covenants, promises, agreements, warranties, representations, conditions or understandings, either oral or written, between the Parties relating to the Transaction. No subsequent alteration, amendment, change or addition to this Agreement shall be binding upon the Parties unless reduced to writing and signed by an authorized officer of each Party. In the event of a conflict regarding the Transaction between this Agreement, on the one hand, and any Existing Contract or New Ancillary Agreement or any other existing agreement between the Parties, on the other hand, this Agreement shall control.

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COMMISSION PURSUANT TO RULE 24B-2 OF THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED

- 13.2 **Force Majeure**. A Party shall be excused from the performance of its obligations under this Agreement to the extent that such performance is prevented by a *force majeure* event and the nonperforming Party promptly provides notice of the prevention to the other Party. Such excuse shall be continued so long as the condition constituting *force majeure* continues and the nonperforming Party uses reasonable efforts to remove the condition. For purposes of this Agreement, *force majeure* shall include conditions beyond the reasonable control of the Parties, including without limitation, an act of God or terrorism, voluntary or involuntary compliance with any regulation, Law or Order of any government, war, civil commotion, labor strike or lock-out, epidemic, failure or default of public utilities or common carriers, destruction of production facilities or materials by fire, earthquake, storm or like catastrophe; provided, however, the payment of invoices due and owing hereunder shall not be delayed by the payor because of a force majeure affecting the payor.
- 13.3 **Notices**. Any notice required or permitted to be given under this Agreement shall be in writing, shall specifically refer to this Agreement and shall be deemed to have been sufficiently given for all purposes if delivered by (a) first class certified or registered mail, postage prepaid, (b) international express delivery service or (c) personally, or if sent by facsimile and confirmed by electronic transmission. Unless otherwise specified in writing, the mailing addresses of the Parties shall be as described below.

For Gilead Sciences, Inc.

333 Lakeside Drive, Foster City, CA 94404

Attn: Executive Vice President and Chief Financial Officer

Fax: 1-650-[*]

cc: Executive Vice President and General Counsel

Fax: 1-650-[*]

With a copy to: Covington & Burling LLP

One Front Street

San Francisco, CA 94111

Attn: Amy Toro Fax: 1-415-[*]

For JT: Japan Tobacco Inc.

Pharmaceutical Division Torii Nihonbashi Building

4-1 Nihonbashi-Honcho, 3-chome, Chuo-ku

Tokyo 103-0023, Japan

Attn: Vice President, Business Development

Fax: [*]

With a copy to:

Holland & Knight LLP 31 West 52nd Street New York, New York 10019, U.S.A. Attn: Neal N. Beaton

Fax: 1 212.[*]

- 13.4 No Strict Construction. This Agreement has been prepared jointly and shall not be strictly construed against either Party.
- 13.5 Assignment. Neither Party may assign or transfer this Agreement and any Ancillary Agreement or any rights or obligations hereunder without the prior written consent of the other Party, except that (i) Gilead or GSJ may assign or transfer this Agreement and any Ancillary Agreement to any of their Affiliates without the consent of any other Party, and (ii) following the MAH Transfer Date, Gilead may assign this Agreement and any Ancillary Agreement to a successor of all or substantially all of Japan HIV Products Business in Japan. Any permitted assignment shall be binding on the successors of the assigning Party. Any assignment or attempted assignment by either Party in violation of the terms of this Section 13.5 shall be null and void.
- 13.6 **Performance by Affiliates.** Each of JT and Gilead acknowledge that their obligations under this Agreement may be performed by their respective Affiliates and sublicensees. Notwithstanding any delegation of obligations under this Agreement by a Party to an Affiliate or sublicensee, each Party shall remain primarily liable and responsible for the performance of all of its obligations under this Agreement and for causing its Affiliates and sublicensees to act in a manner consistent herewith. Wherever in this Agreement the Parties delegate responsibility to Affiliates or sublicensees or local operating entities, the Parties agree that such entities shall not make decisions inconsistent with this Agreement, amend the terms of this Agreement or act contrary to its terms in any way.
- 13.7 Further Actions. Each Party agrees to execute, acknowledge and deliver such further instruments, and to do all such other acts, as may be necessary or appropriate in order to carry out the purposes and intent of this Agreement.
- 13.8 Compliance With Laws. Each Party covenants to comply in all material respects with all Laws applicable to the Japan HIV Products Business, and to the Transactions.
- 13.9 Governing Law. Resolution of all disputes arising out of or related to this Agreement or the performance, enforcement, breach or termination of this Agreement and any remedies relating thereto, shall be governed by and construed under the substantive Laws of the State of New York and the federal law of the United States of America, without regard to its conflicts of law rules that would require the application of the Laws of a foreign state or country.

#### 13.10 Dispute Resolution.

13.10.1 Any dispute, controversy or claim arising out of or relating to the validity, formation, enforceability, performance, breach or termination of this Agreement (a "Dispute") shall be settled in accordance with the provisions of this Section 13.10. Nothing herein shall prohibit either Party from initiating arbitration or seeking a temporary restraining order, preliminary injunction or other interim or conservatory relief as contemplated by Section 13.10.2.6, if such Party would be substantially prejudiced by a failure to act during the time that efforts are being made to otherwise resolve the Dispute. The Parties shall make an earnest, good faith attempt to resolve any Dispute through negotiation within the Joint Committee. If the Joint Committee is unable to resolve any Dispute, either Party may, by written notice to the other Party, refer such dispute for good faith negotiation between the Chief Executive Officer of Gilead (or his designee with settlement authority) and the President of the Pharmaceutical Division of JT (or his designee with settlement authority) either in person at the offices of the Party not initiating the action or as otherwise agreed within [*] days after the date of notice (the "Executive Negotiation"). Immediately after receipt of notice of Executive Negotiation, the Parties may agree to give good faith consideration to the appointment of a mutually-acceptable mediator to assist in the Executive Negotiation, in which case the costs of mediation shall be shared equally by the Parties. Any settlement reached by mediation shall be resolved in writing, signed by the Parties, and shall be binding on them.

13.10.2 If the Dispute has not been settled by Executive Negotiation/mediation after [*] days, then upon the request of either Party, the Dispute shall be finally resolved by binding arbitration administered under the Rules of Arbitration of the International Chamber of Commerce (the "ICC Rules") ("Arbitration") as follows:

- 13.10.2.1The arbitration shall be conducted by a panel of three neutral arbitrators (the "Panel") appointed in accordance with the ICC Rules.
- 13.10.2.2The arbitration proceedings shall take place in New York, New York. The arbitral proceedings and all pleadings shall be in the English language. Any written evidence originally in a language other than English shall be submitted in English translation accompanied by the original or true copy thereof unless relating solely to the Transaction.
- 13.10.2.3The Panel shall have the power to decide all questions of arbitrability.
- 13.10.2.4At the request of either Party, the Panel will enter an appropriate protective order to maintain the confidentiality of information produced or exchanged in the course of the arbitration proceedings.

- 13.10.2.5The Panel is empowered to award any remedy allowed by law, including monetary damages, prejudgment interest and punitive damages, and to grant final, complete, interim or interlocutory relief, including injunctive relief.
- 13.10.2.6The Parties may apply to a state or federal court of competent jurisdiction within the County of New York, New York for a temporary restraining order, preliminary injunction, or other interim or conservatory relief, as necessary, without breach of this arbitration provision and without any abridgment of the powers of the arbitrators. Judgment on the award rendered by the Panel may be entered in any court having jurisdiction thereof. Each Party hereby waives any defenses it may have to the personal jurisdiction and venue of such courts to resolve such disputes, including without limitation the defense of *forum non conveniens*, and each Party agrees not to file any motion to seek any relief under any *forum non conveniens* defense.
- 13.10.2.7Each Party shall bear its own legal fees arising in connection with the Dispute. The Panel may assess costs, fees and expenses of the ICC and the Panel to the Parties in the manner the Panel deems appropriate under the circumstances.
- 13.10.3 Notwithstanding the other provisions of this Section 13.10, any dispute, controversy or claim relating to the scope, validity, enforceability or infringement of any patent rights covering the manufacture, use or sale of any HIV Product or of any trademark rights relating to any HIV Product shall be submitted to a court of competent jurisdiction in the territory in which such patent or trademark rights were granted or arose.
- 13.11 **Independent Contractors**. Except as specifically provided herein, (a) neither Party shall act or represent or hold itself out as having authority to act as an agent or partner of the other Party (or any of its Affiliates) or (b) in any way bind or commit or purport to bind or commit the other Party (or any of its Affiliates) to any obligations or agreement. The Parties are independent contractors, and none of the Parties or their respective employees, representatives or agents will be deemed to be employees, representatives or agents of the other Party for any purpose or under any circumstances. No partnership, joint venture, alliance, fiduciary or any relationship other than that of independent contractors is created hereby, expressly or by implication. The Parties' respective rights and obligations hereunder shall be limited to the contractual rights and obligations expressly set forth herein on the terms and conditions set forth herein.

- 13.12 **Guarantees**. JT hereby irrevocably guarantees the payment and performance obligations of any of its Affiliates that is a party to any Ancillary Agreement. Gilead hereby irrevocably guarantees the payment and performance obligations of any of its Affiliates that is a party to any Ancillary Agreement.
- 13.13 **Severability**. If one (1) or more of the provisions of this Agreement is held to be invalid or unenforceable by any court of competent jurisdiction from which no appeal can be or is taken, such provision(s) shall be considered severed from this Agreement and shall not serve to invalidate any remaining provisions hereof. The Parties shall make a good faith effort to replace any invalid or unenforceable provision with a valid and enforceable one such that the objectives contemplated by the Parties when entering this Agreement may be realized.
- 13.14 **Headings**. The headings for each Article and Section in this Agreement have been inserted for convenience of reference only and are not intended to limit or expand on the meaning of the language contained in the particular Article or Section.
- 13.15 **No Waiver**. Any delay in enforcing a Party's rights under this Agreement, or any waiver as to a particular default or other matter, shall not constitute a waiver of such Party's rights to the future enforcement of its rights under this Agreement, except with respect to an express written and signed waiver relating to a particular matter for a particular period of time.
- 13.16 **Translations**. This Agreement is in the English language only, which language shall be controlling in all respects, and all versions hereof in any other language shall be for accommodation only and shall not be binding upon the Parties. All communications and notices to be made or given pursuant to this Agreement, and any dispute proceeding related to or arising hereunder, shall be in the English language. If there is a discrepancy between any Japanese translation of this Agreement and this Agreement, this Agreement shall prevail.
- or Exhibit will be deemed to be a reference to an Article, Section, subsection, paragraph, clause, Schedule or Exhibit will be deemed to be a reference to an Article, Section, subsection, paragraph, clause, Schedule or Exhibit, of or to, as the case may be, this Agreement, unless otherwise indicated. Unless the context of this Agreement otherwise requires, (a) all definitions set forth herein will be deemed applicable whether the words defined are used herein in the singular or the plural, (b) the word "will" will be construed to have the same meaning and effect as the word "shall," (c) any definition of or reference to any agreement, instrument or other document herein will be construed as referring to such agreement, instrument or other document as from time to time amended, supplemented or otherwise modified (subject to any restrictions on such amendments, supplements or modifications set forth herein), (d) any reference herein to any Person will be construed to include the Person's successors and assigns, (e) the word "notice" will mean notice in writing (whether or not specifically stated) and will include notices, consents, approvals and other written communications contemplated under this Agreement, (f) provisions that require that a Party, the Parties or any committee hereunder "agree," "consent" or "approve" or the like will require that such agreement, consent or approval be specific and in writing, whether by written agreement, letter, approved minutes or otherwise

(but excluding e-mail and instant messaging), (g) references to any specific Law, rule or regulation, or article, section or other division thereof, will be deemed to include the then-current amendments thereto or any replacement or successor Law, rule or regulation thereof,(h) the term "or" will be interpreted in the inclusive sense commonly associated with the term "and/or", (i) words of any gender include each other gender, (j) words such as "herein", "hereof" and "hereunder" refer to this Agreement as a whole and not merely to the particular provision in which such words appear, (k) words using the singular will include the plural, and vice versa, (l) the words "include," "includes" and "including" will be deemed to be followed by the phrase "but not limited to", "without limitation", "inter alia" or words of similar import and (m) unless "Business Days" is specified, "days" will mean "calendar days."

13.18 **Counterparts** . This Agreement may be executed in two (2) or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one (1) and the same instrument.

[SIGNATURE PAGE FOLLOWS]

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THIS AGREEMENT IS EXECUTED by the authorized representatives of the Parties as of the date first written above.

## GILEAD SCIENCES, INC.

## JAPAN TOBACCO INC.

By:/s/ John F. Milligan

Name: John F. Milligan, Ph.D.

Title: President and CEO

By:/s/ Muneaki Fujimoto Name: Muneaki Fujimoto

Title: President, Pharmaceutical Business

#### GILEAD SCIENCES, K.K.

By:/s/ Luc Hermans

Name: Luc Hermans, M.D.

Title: President and Representative Director

[Signature Page to Master Agreement]

## Schedule 2.1.1

## **Categories of Assigned Assets**

Any and all of the following shall constitute Assigned Assets if relating solely to the Japan HIV Products Business.

Name of Asset	Delivery Date	Assignment Date
[*]	[*]	[*]
[*]	[*]	[*]
[*]	[*]	[*]
Quality assurance related documents, processes, and records relating to customer complaints, change management, deviation management, audits, product releases, quality standard codes, and other relevant information concerning each of the HIV Products, following the sequence to be determined by Gilead (to the extent owned by JT or its Affiliates and as further set forth in the Transition Services Agreement)	By MAH Transfer Date	MAH Transfer Date
Drug safety documents and records, including without limitation (a) individual case reports, (b) periodic safety reports, (c) risk management plans, (d) information relating to EPPV and PMS, (e) records of safety measures and notices of taking such measures, and (f) records of inspections and audits by PMDA, self-inspections and CAPA, concerning each of the HIV Products, following the sequence to be determined by Gilead (to the extent owned by JT or its Affiliates and as further set forth in the Transition Services Agreement)	By MAH Transfer Date	MAH Transfer Date
Information relating to the drug safety database, including without limitation (a) information relating to technical specifications of the drug safety database (i.e. the name of the vendor and application and its version number), (b) the number of cases reported, the evaluation of each case, if any, (c) information about the numbering system of the cases, (d) rules on special situation reports, (e) rules on treatment of safety information of active moieties, and (f) information on CRO (to the extent owned by JT or its Affiliates and as further set forth in the Transition Services Agreement)	By MAH Transfer Date	MAH Transfer Date

## Schedule 2.1.1A

## **Assigned Contracts**

#	Category	Date	JT/Torii	Other Parties	Title	Notes
[*]	[*]	[*]	[*]	[*]	[*]	[*]

## Schedule 2.1.1B

#### **Assigned Regulatory Approvals**

Marketing Authorizations in Japan for:

- Emtriva エムトリバカプセル200mg 3
- Viread*ビリアード錠300mg 3
- Truvada_{*}ツルバダ配合錠3
- Stribild_{*}スタリビルド配合錠3
- Genvoya*ゲンボイヤ配合錠 ¾
- ・ Descovy^{*}デシコビ配合錠LT、デシコビ配合錠HT³

## Schedule 2.2.2

## New Ancillary Agreements to be Delivered by JT (if not executed as of the Execution Date)

[*]

## Schedule 2.2.3

## New Ancillary Agreements to be Delivered by Gilead (if not executed as of the Execution Date)

[*]

## Schedule 8.1

## **Wholesaler Introduction**

[*]

## Schedule 8.2

## **HIV Physician Introduction**

[*]

## Schedule 8.3

## **Speaker/Seminar Transition**

[*]

## Exhibit A

## **Inventory Treatment Summary**

[*]

## Exhibit B

## **Transition Services Agreement**

[*]

# Exhibit C

## **Packaging and Labeling Summary**

[*]

## Exhibit D

## **Amended and Restated EVG License Agreement**

## Exhibit E -1

## **Anti-Corruption Policy**

[*]

# **EXHIBIT E-2**

## Form Certificate of Compliance

[*]

# **EXHIBIT F**

## **Initial Press Release**

[*]

## SUBSIDIARIES OF GILEAD SCIENCES, INC.

(as of December 31, 2018)

Name of Subsidiary	Country of Incorporation
Asegua Therapeutics, LLC	United States
Bristol-Myers Squibb and Gilead Sciences Limited	Ireland
Gilead Sciences, LLC	United States
Cytopia Pty. Ltd.	Australia
EpiTherapeutics ApS	Denmark
Gilead Alberta ULC	Canada
Gilead Alberta, LLC	United States
Gilead Apollo, LLC	United States
Gilead Apollo Unlimited Company	Ireland
Gilead Biopharmaceutics Ireland UC	Ireland
Gilead Calistoga, LLC	United States
Gilead Connecticut, Inc.	United States
Gilead Holdings, LLC	United States
Gilead Ireland Research UC	Ireland
Gilead Oncology Ireland UC	Ireland
Gilead Pharmasset LLC	United States
Gilead Sciences (NZ)	New Zealand
Gilead Sciences (Shanghai) Consulting Co., Ltd.	China
Gilead Sciences Americas S. de R.L.	Panama
Gilead Sciences Argentina S.R.L.	Argentina
Gilead Sciences Belgium BVBA	Belgium
Gilead Sciences Canada, Inc.	Canada
Gilead Sciences Denmark ApS	Denmark
Gilead Sciences Europe Limited	United Kingdom
Gilead Sciences Farmacêutica do Brasil Ltda.	Brazil
Gilead Sciences Finland Oy	Finland
Gilead Sciences GesmbH.	Austria
Gilead Sciences GmbH	Germany
Gilead Sciences Hangzhou Pharmaceutical Co., Ltd.	China
Gilead Sciences Hellas EPE	Greece
Gilead Sciences Holding, LLC	United States
Gilead Sciences Hong Kong Limited	Hong Kong
Gilead Sciences International Limited	United Kingdom
Gilead Sciences Israel Limited	Israel
Gilead Sciences KK	Japan
Gilead Sciences Korea Limited	South Korea
Gilead Sciences Lda.	Portugal
Gilead Sciences Ireland UC	Ireland
Gilead Sciences Ilac Ticaret Limited Sirketi	Turkey
Gilead Sciences Limited	United Kingdom
Gilead Sciences Luxembourg S.a.r.l.	Luxembourg
Gilead Sciences Malaysia Sdn. Bhd.	Malaysia
Gilead Sciences Mexico S. de R.L. de C.V.	Mexico
Gilead Sciences Netherlands BV	Netherlands
Silvad Selences Remonands D4	romonands

## SUBSIDIARIES OF GILEAD SCIENCES, INC. (continued)

Name of Subsidiary	Country of Incorporation
Gilead Sciences Norway AS	Norway
Gilead Sciences Poland Sp. z o.o.	Poland
Gilead Sciences Pty. Ltd.	Australia
Gilead Sciences Russia LLC	Russia
Gilead Sciences S.L.	Spain
Gilead Sciences S.r.l.	Italy
Gilead Sciences s.r.o.	Czech Republic
Gilead Sciences SAS	France
Gilead Sciences Singapore Pte. Ltd.	Singapore
Gilead Sciences Slovakia s.r.o.	Slovakia
Gilead Sciences South Africa (Pty) Ltd.	South Africa
Gilead Sciences Sweden AB	Sweden
Gilead Sciences Switzerland Sarl	Switzerland
Gilead Sciences YM Australia Pty. Ltd.	Australia
Gilead YM ULC	Canada
Gilead Sciences India Private Limited	India
Nimbus Ceres LLC	United States
Tri-Supply Limited	Ireland
YM BioSciences Australia Pty. Ltd.	Australia
Gilead Therapeutics A1 Unlimited Company	Ireland
Gilead Therapeutics A2 Unlimited Company	Ireland
Gilead Sciences Shanghai Pharmaceutical Technology Co., Ltd.	China
Kite Pharma, Inc.	United States
Kite Pharma, LLC	United States
neoKite, Inc.	United States
Kite Pharma UK, Ltd	United Kingdom
KP EU C.V.	Netherlands
Kite Pharma EU B.V.	Netherlands
Cell Design Labs, Inc.*	United States
Fosun Pharma Kite Biotechnology Co., Ltd.	China

^{*}Effective December 31, 2018 at 11:59PM, Cell Design Labs, Inc. merged with Kite Pharma, Inc.

#### CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in the Registration Statements on Form S-8 (Nos. 33-81670, 33-46058, 333-58893, 333-84719, 333-117480, 333-126012, 333-135412, 333-143920, 333-151624, 333-161069, 333-163871, 333-207813, 333-219772 and 333-223248) pertaining to the Employee Stock Purchase Plan, the International Employee Stock Purchase Plan and the 2004 Equity Incentive Plan of Gilead Sciences, Inc., and the Registration Statement on Form S-3 (No. 333-220283) of Gilead Sciences, Inc. and in the related Prospectuses, as applicable, of our reports dated February 25, 2019, with respect to the consolidated financial statements and schedule of Gilead Sciences, Inc., and the effectiveness of internal control over financial reporting of Gilead Sciences, Inc., included in this Annual Report (Form 10-K) for the year ended December 31, 2018.

/s/ Ernst & Young LLP

San Jose, California February 25, 2019

#### CERTIFICATION

- I, Gregg H. Alton, certify that:
  - 1. I have reviewed this annual report on Form 10-K of Gilead Sciences, Inc.;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date:	February 25, 2019	/s/ Gregg H. Alton
		Gregg H. Alton Interim Chief Executive Officer and Chief Patient Officer

#### CERTIFICATION

- I, Robin L. Washington, certify that:
  - 1. I have reviewed this annual report on Form 10-K of Gilead Sciences, Inc.;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date:	redruary 25, 2019	/S/ KOBIN L. WASHINGTON
Date:	February 25, 2019	/s/ Robin L. Washington

# CERTIFICATIONS PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Annual Report of Gilead Sciences, Inc. (the Company) on Form 10-K for the annual period ended December 31, 2018 as filed with the Securities and Exchange Commission on the date hereof (the Annual Report) and pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (18 U.S.C. § 1350, as adopted), Gregg H. Alton, Interim Chief Executive Officer and Chief Patient Officer of the Company, and Robin L. Washington, the Executive Vice President and Chief Financial Officer of the Company, each hereby certifies that, to the best of his or her knowledge:

- 1. The Company's Annual Report fully complies with the requirements of Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934, as amended; and
- 2. The information contained in the Annual Report fairly presents, in all material respects, the financial condition of the Company at the end of the periods covered by the Annual Report and results of operations of the Company for the periods covered by the Annual Report.

Dated: February 25, 2019

/S/ GREGG H. ALTON /S/ ROBIN L. WASHINGTON

Gregg H. Alton Robin L. Washington

Interim Chief Executive Officer and Chief Patient Officer Executive Vice President and Chief Financial Officer

This certification accompanies the Form 10-K to which it relates, is not deemed filed with the SEC and is not to be incorporated by reference into any filing of the Company under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended, (whether made before or after the date of the Form 10-K), irrespective of any general incorporation language contained in such filing.