

1 Steve W. Berman (*pro hac vice* to be filed)
HAGENS BERMAN SOBOL SHAPIRO LLP
2 1301 Second Avenue, Suite 2000
Seattle, WA 98101
3 Telephone: (206) 623-7292
Facsimile: (206) 623-0594
4 Email: steve@hbsslaw.com

5 Shana E. Scarlett (SBN 217895)
HAGENS BERMAN SOBOL SHAPIRO LLP
6 715 Hearst Avenue, Suite 202
Berkeley, CA 94710
7 Telephone: (510) 725-3000
Facsimile: (510) 725-3001
8 Email: shanas@hbsslaw.com

9 Robert C. Hilliard (*pro hac vice* to be filed)
HILLIARD MARTINEZ GONZALES LLP
10 719 S. Shoreline Blvd.
Corpus Christi, TX 78401
11 Telephone: (361) 882-1612
Facsimile: (361) 882-3015
12 Email: bobh@hmgllawfirm.com

13 *Attorneys for Plaintiffs*
14 *[Additional Counsel Listed on Signature Page]*

15 UNITED STATES DISTRICT COURT
16 NORTHERN DISTRICT OF CALIFORNIA

17 AARON CALKINS, ADAM T. GABRIEL, ADAN
18 ACE ZAMORA, ADRIAN TYSON, ALBERT
HICKS, ALBERT YANCY, ALICE L. JOHNSON,
19 ANTHONY BRIAN FUNDERBURK, ANTHONY
TAYLOR, ANTONIO WARE, ARTHUR
20 VILLARREAL, ARTURO RODRIGUEZ, AYTAN
ZADOK, BENJAMIN LEONARD, BETTY
21 LECLERCQ, BONITA GRAHAM, BRIAN F.
MCMORRIS, CAROL ROSE, CAROLYN
22 WILLIAMS, CARRIE MACKEY, CATHY
IVERSON, CHARLES WHEATLEY, CLIFTON
23 LEWIS, CRAIG WALKER, CURTIS REED,
DANA B. JOHNSON, DANIEL HENRY II,
24 DANIELLE FRANCINE SANTOS, DANNY L.
O'BRIEN, DARREN CRAIG GIPSON, DARRYL
25 ELLIS, DAVID ROOS, DAVID WERNER,
DEBORA TEMPLETON, DELIA D.
26 WASHINGTON, DEMARCO BURTS,
DEMETRIUS POWELL, DENNIS DEEL,
27 DENNIS GRIFFIN, DIANE AUSTIN, DONALD
CREGGER, DONALD LARREW, EDWARD
28 HAMILTON, ELANDA WILSON WILLIAMS,

No. 20-cv-01884

COMPLAINT FOR DAMAGES

JURY TRIAL DEMANDED

ELLA FRANCES CHATMAN, ERIC MILLER,
ERNEST LEE JOHNSON, JR., FABIAN O'NEAL,
FELIX JONES, FLOYD BROMLEY-SPIEGLE,
FLOYD TWYMAN MAY, JR., FRANCISCO
NEGRETE, GERALD HAWKINS, GERRY
HORTON, HERBERT TURNER, INGRID HINES,
JACQUELINE OLIVER, JAMES BERRY, JAMES
EDWARD OAKES, JAMES MICHAEL EATON,
JAMES WARE, JAMES WAYNE JONES, JAMES
YOUNG, JEFFREY BERRY, JEFFREY LEE
GILLUM, JENNIFER CHAPMAN, JEREMY
MALEAN, JERRY VAUGHN, JERRY VILLA-
CHAUVIN, JOHN PLUMMER, JONATHAN C.
COX, JONATHAN CORREIA, JOSHUA
BOLTON, JOYCE ANNE OWENS, JUAN
PLUMMER, KECIA SCALES, KEITH W.
SCHMIDT, KENNETH MARC ZINK, KEVIN D.
BOONE SR., KEVIN KEIFER, KURT BECKER,
LATASHA MEDFORD, LENIZA KING, LEON
LARREW, LEVI HAMPTON, LINDA OLIVIA
JOHNSON, LINDA RAMOS, LISA M.
JOHNSON, MARIO FRACCET, MARK A.
DANSBY, MARK DEIWERT, MARK PECONI,
MARLAND ANTHONY ROBERTS, MARY
MERCER, MICHAEL A. JACKSON, MICHAEL
CHARTERS, MICHAEL HADDAN, MICHAEL
HALL, MICHAEL JONES, MITCHELL GUIN,
MONTY HERRON, NADINE GODDEN,
NATHANIEL GRIGGS, NENA WALBY, PAIGE
MORGAN, RANSOM DAVID FIELDS, RAQUEL
CARMONA, RAYMOND MONROE PARKER,
JR., RAYMOND OKEEFE, REACHELIAN T.
ELLISON, RENEE THOMPSON, RITA DAVIS,
GLEN VAUGHN, ROBERT MARTIN
MCCORMACK, ROBERT PAUL COCHRAN,
ROBERT PEROSA, ROSE LANE, ROY
WASHINGTON, RUBEN ALVARADO,
RUSSELL GROOMS, RUSSELL NEMITZ, SAM
ROGERS GILKEY, SAMUEL MCINTOSH,
SARAH RENTSCHLER, SETH HOPKINS,
SHANNON JONES, SHANNON TYRONE
WOODS, SHARON EVANS, SHELAE MONAE,
SHELIA JOHNSON, SHIRLEY MARSHALL,
SHIRLEY WILKINSON, STUART ADDISON
THOMAS, SUZANN DELORES WOLFE,
TARELL COLE, TERRACE DWAIN SHARP,
TERRIS PEELER, TERRY SMITH-FLORES,
TRENARD JOHNSON, TYRONE D. JOHNSON,
TYRONE HARRIS, VENNICA BARNES,
VICKY LYNN BOYLES, VICKIE ROLLER,
WALTER LEE GUYTON III, WILLIAM H.
CHASTANG, WILLIAM J. DOEPPER, WILLIE
NATHANIEL CARRIGAN, YOLANDA LASTER,

Plaintiffs.

COMPLAINT FOR DAMAGES
Case No.: 20-cv-01884
010759-11/1248538 V1

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1 Plaintiffs bring this civil action for damages against Defendant Gilead Sciences, Inc.
2 (“Gilead” or “Defendant”). Based on the investigation of counsel, Plaintiffs allege on information
3 and belief as follows:

4 **I. NATURE OF THE ACTION**

5 1. This action arises out of injuries Plaintiffs sustained as a result of ingesting one or more
6 of the prescription drugs Viread, Truvada, Atripla, Complera, and Stribild, which are manufactured
7 and marketed by Gilead for the treatment of Human Immunodeficiency Virus-1 (“HIV”) infection.¹

8 2. Gilead designed each of the drugs to contain a form of the compound tenofovir that
9 Gilead knew was toxic to patients’ kidneys and bones. Tenofovir is a nucleotide analogue reverse
10 transcriptase inhibitor (“NRTI”), one of the classes of antiretroviral drugs used to treat HIV. NRTIs
11 work by blocking an enzyme HIV needs to replicate. Gilead did not discover tenofovir. Scientists in
12 Europe discovered tenofovir in the 1980s, and though the anti-HIV properties of tenofovir were
13 promising, it had a downside: it cannot not be administered effectively by mouth.

14 3. Because an intravenous tenofovir formulation had little sales potential, Gilead
15 developed a form of tenofovir, tenofovir disoproxil, which can be taken orally.² The fumaric acid salt
16 of tenofovir disoproxil is tenofovir disoproxil fumarate (“TDF”). When a patient takes a pill containing
17 TDF, the patient’s body converts TDF into tenofovir. Although TDF can be taken by mouth, a high
18 dose of 300 mg is typically required to achieve the desired therapeutic effect.

19 4. Gilead designed TDF 300 mg to be an active ingredient in five drugs that are approved
20 to treat HIV: Viread (TDF 300 mg tablets), approved October 26, 2001; Truvada (TDF 300
21 mg/emtricitabine 200 mg tablets), approved August 2, 2004; Atripla (TDF 300 mg/emtricitabine 200
22 mg/efavirenz 600 mg tablets), approved July 12, 2006; Complera (TDF 300 mg/emtricitabine 200
23 mg/rilpivirine 25 mg tablets), approved August 10, 2011; and Stribild (TDF 300 mg/emtricitabine 200
24

25 ¹ Viread is also indicated to treat Hepatitis B. And Truvada is also indicated for use in combination
26 with safe sex practices for pre-exposure prophylaxis (PrEP) to reduce the risk of sexually acquired
HIV-1 in adults at high risk.

27 ² Tenofovir disoproxil is a prodrug form of tenofovir. Prodrugs are pharmacologically inactive
28 compounds that can be more efficiently absorbed into the bloodstream and then converted into the
active form of the drug within the body.

1 mg/elvitegravir 150 mg/cobicistat 150 mg tablets), approved August 27, 2012 (collectively, these are
2 the “TDF Drugs”).

3 5. Before Gilead began selling its first TDF Drug, Viread, in 2001, Gilead knew that TDF
4 posed a safety risk to patients’ kidneys and bones. Gilead knew that two of its other antiviral drugs
5 with structures similar to tenofovir, cidofovir and adefovir dipivoxil, had been highly nephrotoxic (i.e.,
6 toxic to kidneys) and that preclinical data for TDF showed that it could cause significant kidney and
7 bone damage. Gilead also knew that the relatively high dose of TDF created a greater risk of toxic
8 effects, and that bone and kidney toxicities were even more likely to be seen with long-term use of
9 TDF for the treatment of a virus that, for the foreseeable future, has no cure.

10 6. Gilead’s knowledge of the toxic effects of TDF only grew as patients began treatment
11 with and were injured by each successive TDF product. By the time Gilead designed Stribild, it had
12 ten years’ worth of cumulative evidence that TDF injured patients’ kidneys and bones.

13 7. Gilead also knew, before it obtained approval to market Viread and Gilead’s subsequent
14 TDF Drugs, that it had discovered a safer tenofovir prodrug, tenofovir alafenamide fumarate (“TAF”).
15 TAF is absorbed into the cells HIV targets much more efficiently than TDF. As a result, TAF can be
16 administered at a dramatically reduced dose compared to TDF, but still achieve the same or higher
17 concentrations of active tenofovir in the target cells. Because TAF can be administered at a much lower
18 dose than TDF, its use is associated with less toxicity and fewer side effects. A 25 mg dose of TAF
19 achieves the same therapeutic effect as a 300 mg dose of TDF, with a better safety profile. Despite
20 knowing that TAF could be given at a much lower, safer dose, Gilead designed Viread, Truvada,
21 Atripla, Complera, and Stribild to contain TDF rather than safer TAF.

22 8. Falsely claiming that TAF was not different enough from TDF, Gilead abruptly shelved
23 its TAF design in 2004. However, as John Milligan, Gilead’s President and Chief Executive Officer,
24 later admitted to investment analysts, the real reason Gilead abandoned the TAF design was that TAF
25 was *too different* from TDF. Once Gilead’s first TDF product, Viread, was on the market, Gilead did
26 not want to hurt TDF sales by admitting that its TDF-based products are unreasonably and
27 unnecessarily unsafe.

1 9. It was crucial at that time for Gilead to increase Viread sales, which comprised 53% of
2 Gilead's total product sales in 2002, and 68% of Gilead's total product sales in 2003. Gilead was so
3 desperate to expand Viread sales that when promoting the drug to doctors, it called Viread a "miracle
4 drug" with "no toxicities." Gilead did not tell doctors the facts: that Viread posed significant risks to
5 patients' kidneys and bones.

6 10. In addition, Gilead knew that by withholding the safer TAF design, it could extend the
7 longevity of its HIV drug franchise and make billions two times over: first, with TDF medications
8 until TDF patent expiration, which would begin by no later than 2018, and second, with TAF
9 medications until TAF patent expiration as late as 2032. Only once Gilead realized billions in sales
10 through most of the TDF patent life did it seek to market safer TAF-based versions of its HIV
11 medications.

12 11. Finally, in 2015, Gilead began selling the first of its TAF-designed medicines and
13 convinced doctors to switch their patients from TDF-based to TAF-based regimens by demonstrating
14 TAF's superior safety profile over TDF with respect to kidney and bone toxicity—the very benefits
15 that Gilead could have and should have incorporated into its prior product designs but withheld from
16 doctors and patients for over a decade.

17 12. Gilead also made Stribild even more dangerous to Plaintiffs when it designed the drug
18 to include cobicistat in combination with 300 mg TDF. Cobicistat is a pharmacoenhancer or "booster"
19 that inhibits the breakdown of elvitegravir, another active ingredient in Stribild. Cobicistat allows
20 elvitegravir to persist in the patient's system long enough to permit once-daily dosing.

21 13. Gilead knew years before it developed Stribild that: (a) higher tenofovir concentrations
22 in patients' blood, as opposed to the target cells, endangers the kidneys; (b) tenofovir concentrations
23 in patients' blood increase significantly when patients take tenofovir with a booster; and (c) TDF-
24 associated renal toxicity occurs more frequently in patients taking TDF as part of a boosted regimen.

25 14. When Gilead developed its first TAF-based antiviral product, Genvoya—which is
26 Stribild with TAF in place of TDF—Gilead reduced the dose of TAF from 25 mg to 10 mg to account
27 for the fact that cobicistat significantly increases tenofovir concentrations. Gilead knew to reduce the
28 dose of TAF in Genvoya before it submitted Stribild to the FDA for marketing approval. Despite this

1 knowledge, Gilead did not reduce the dose of TDF when it designed Stribild. Stribild is even more
2 toxic to patients' kidneys and bones than Gilead's other TDF-based products.

3 15. In addition to withholding safer designs, Gilead failed to adequately warn physicians
4 and patients about the risks and safe use of TDF. Gilead provided only the weakest, inadequate
5 warnings to doctors and patients about the need for frequent monitoring of all patients for TDF-
6 associated kidney and bone damage—preventing doctors from detecting early signs of TDF toxicity.

7 16. Gilead provides stronger monitoring warnings to physicians and patients in the
8 European Union (EU) than it does in the United States for the exact same TDF products. Contrary to
9 its U.S. labeling, Gilead has consistently recommended, since the approval of its first TDF Drug in the
10 EU, that doctors in the EU monitor all TDF Drug patients for multiple markers of TDF toxicity on a
11 frequent, specified schedule. There is no scientific or medical rationale for these differences. Gilead
12 was more concerned with increasing or maintaining crucial U.S. sales than it was in safeguarding
13 patients from the known risks of TDF.

14 17. Gilead could have strengthened the warnings in its U.S. labels at any time, including
15 before FDA approval for all TDF Drugs and after FDA approval for Viread, Truvada, Atripla, and
16 Complera. After August 2008 through July 2012, Gilead could have unilaterally strengthened the
17 warnings in its TDF Drug labels after approval based on: increasing evidence that patients with and
18 without preexisting risk factors were experiencing adverse effects with a frequency and severity greater
19 than reported in Gilead's Viread clinical trials; expanding evidence that all patients are at risk for TDF-
20 induced nephrotoxicity; and Gilead's own determinations to give stronger warnings regarding the
21 exact same TDF Drugs in the EU. This post-approval information demonstrated risks of a different
22 frequency and severity than information previously presented to the FDA.

23 18. Gilead intentionally withheld a safer alternative design of TDF Drugs it knew to be
24 dangerously toxic to patients' kidneys and bones, while failing to adequately warn about the risks and
25 safer use of the defective drugs, solely to make more money. Accordingly, Plaintiffs bring this action
26 to recover damages for their personal injuries and seek punitive damages arising from Gilead's willful
27 and wanton conduct.

II. JURISDICTION AND VENUE

19. Jurisdiction exists under 28 U.S.C. § 1332(a) because all Plaintiffs and Gilead are citizens of different states and the matter in controversy exceeds the sum or value of \$75,000, exclusive of interests and costs.

20. Venue is proper in this District under 28 U.S.C. § 1391(1)–(2). Defendant resides in this District and a substantial part of the events and omissions giving rise to Plaintiffs’ claims occurred in this District.

III. INTRADISTRICT ASSIGNMENT

21. Pursuant to Civil L.R. 3-2(c), this action shall be assigned to the San Francisco Division or the Oakland Division because Gilead resides and has its principal place of business in San Mateo County. This action is related to another action pending before Judge Jon S. Tigar in the Northern District of California.

IV. PARTIES

22. Plaintiffs are consumers who ingested one or more of the following TDF Drugs: Viread, Truvada, Atripla, Complera, or Stribild.

23. Plaintiffs suffered personal injuries caused by ingesting TDF.

24. Plaintiff Aaron Calkins is and was at all relevant times a citizen of the State of Indiana and domiciled in Fort Wayne, Indiana. Plaintiff Aaron Calkins purchased and ingested the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2013. As a result of Gilead’s wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the foregoing TDF Drug. Plaintiff’s ingestion of the TDF Drug caused and/or contributed to Plaintiff suffering kidney failure. Plaintiff required and incurred and will continue to require and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

1 25. Plaintiff Adam T. Gabriel is and was at all relevant times a citizen of the State of
2 Texas and domiciled in Dallas, Texas. Plaintiff Adam T. Gabriel purchased and ingested the
3 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2008. As a result of
4 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
5 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
6 to Plaintiff suffering severe bone density loss, which resulted in a diagnosis of osteoporosis. Plaintiff
7 required and incurred and will continue to require and incur expenses in connection with medical
8 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
9 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
10 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
11

12 26. Plaintiff Adan Ace Zamora is and was at all relevant times a citizen of the State of
13 Texas and domiciled in Austin, Texas. Plaintiff Adan Ace Zamora purchased and ingested the
14 following TDF Drugs for an FDA-approved use of the drugs: Viread, Truvada, and Stribild
15 beginning in 2010. As a result of Gilead's wrongful conduct with respect to the defective TDF
16 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
17 TDF Drugs caused and/or contributed to Plaintiff suffering chronic kidney disease. Plaintiff's
18 ingestion of the TDF Drugs also caused and/or contributed to Plaintiff suffering bone
19 demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff required and incurred and
20 will continue to require and incur expenses in connection with medical treatment as a result of these
21 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
22 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
23 capacity, and other injuries and damages to be proven at trial.
24

25 27. Plaintiff Adrian Tyson is and was at all relevant times a citizen of the State of Texas
26 and domiciled in Dallas, Texas. Plaintiff Adrian Tyson purchased and ingested the following TDF
27
28

1 Drug for an FDA-approved use of the drug: Truvada beginning in 2008. As a result of Gilead's
2 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
3 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
4 suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff required and
5 incurred and will continue to require and incur expenses in connection with medical treatment as a
6 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
7 anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost earnings and/or a
8 loss of earning capacity, and other injuries and damages to be proven at trial.
9

10 28. Plaintiff Albert Hicks is and was at all relevant times a citizen of the Commonwealth
11 of Pennsylvania and domiciled in Chester, Pennsylvania. Plaintiff Albert Hicks purchased and
12 ingested the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2004.
13 As a result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested
14 and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
15 contributed to Plaintiff suffering kidney dysfunction and extensive damage to his kidneys, which
16 resulted in a diagnosis of stage 3 chronic kidney disease. Plaintiff required and incurred and will
17 continue to require and incur expenses in connection with medical treatment as a result of these
18 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
19 enjoyment of life as a result of his injuries, and has suffered other injuries and damages to be proven
20 at trial.
21
22

23 29. Plaintiff Albert Yancy is and was at all relevant times a citizen of the State of Georgia
24 and domiciled in Riverdale, Georgia. Plaintiff Albert Yancy purchased and ingested the following
25 TDF Drugs for an FDA-approved use of the drugs: Truvada and Atripla beginning in 2008. As a
26 result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and
27 was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
28

1 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of bone
2 density loss and a fracture to Plaintiff's leg. Plaintiff required and incurred and will continue to
3 require and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff
4 has endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of
5 life as a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other
6 injuries and damages to be proven at trial.
7

8 30. Plaintiff Alice L. Johnson is and was at all relevant times a citizen of the State of
9 Louisiana and domiciled in New Orleans, Louisiana. Plaintiff Alice L. Johnson purchased and
10 ingested the following TDF Drugs for an FDA-approved use of the drugs: Truvada and Complera
11 beginning in 2013. As a result of Gilead's wrongful conduct with respect to the defective TDF
12 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
13 TDF Drugs caused and/or contributed to Plaintiff suffering kidney failure. Plaintiff required and
14 incurred and will continue to require and incur expenses in connection with medical treatment as a
15 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
16 anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost earnings and/or a
17 loss of earning capacity, and other injuries and damages to be proven at trial.
18

19 31. Plaintiff Anthony Brian Funderburk is and was at all relevant times a citizen of the
20 State of Georgia and domiciled in Atlanta, Georgia. Plaintiff Anthony Brian Funderburk purchased
21 and ingested the following TDF Drugs for an FDA-approved use of the drugs: Atripla and Complera
22 beginning in 2006. As a result of Gilead's wrongful conduct with respect to the defective TDF
23 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
24 TDF Drugs caused and/or contributed to Plaintiff suffering acute renal failure. Plaintiff required and
25 incurred and will continue to require and incur expenses in connection with medical treatment as a
26 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
27
28

1 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
2 loss of earning capacity, and other injuries and damages to be proven at trial.

3 32. Plaintiff Anthony Taylor is and was at all relevant times a citizen of the State of
4 Alabama and domiciled in Montgomery, Alabama. Plaintiff Anthony Taylor purchased and ingested
5 the following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada beginning in
6 2001. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
7 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
8 and/or contributed to Plaintiff suffering kidney failure requiring dialysis treatments. Plaintiff required
9 and incurred and will continue to require and incur expenses in connection with medical treatment as
10 a result of these injuries. Plaintiff Anthony Taylor has endured and will continue to endure pain,
11 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
12 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
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14 33. Plaintiff Antonio Ware is and was at all relevant times a citizen of the State of Ohio
15 and domiciled in Bedford, Ohio. Plaintiff Antonio Ware purchased and ingested the following TDF
16 Drug for an FDA-approved use of the drug: Stribild beginning in 2012. As a result of Gilead's
17 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
18 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
19 suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff required and
20 incurred and will continue to require and incur expenses in connection with medical treatment as a
21 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
22 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
23 loss of earning capacity, and other injuries and damages to be proven at trial.
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25 34. Plaintiff Arthur Villarreal is and was at all relevant times a citizen of the State of
26 Texas and domiciled in Mesquite, Texas. Plaintiff Arthur Villarreal purchased and ingested the
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1 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2004. As a result
2 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
3 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
4 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis and a
5 fracture to Plaintiff's radius. Plaintiff required and incurred and will continue to require and incur
6 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
7 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
8 his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
9 damages to be proven at trial.
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11 35. Plaintiff Arturo Rodriguez is and was at all relevant times a citizen of the State of
12 Texas and domiciled in El Paso, Texas. Plaintiff Arturo Rodriguez purchased and ingested the
13 following TDF Drugs for an FDA-approved use of the drugs: Atripla and Truvada beginning in
14 2006. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
15 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
16 and/or contributed to Plaintiff suffering kidney dysfunction and damage to his kidneys, which
17 resulted in a diagnosis of stage 3 chronic kidney disease. Plaintiff Arturo Rodriguez required and
18 incurred and will continue to require and incur expenses in connection with medical treatment as a
19 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
20 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
21 loss of earning capacity, and other injuries and damages to be proven at trial.
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24 36. Plaintiff Aytan Zadok is and was at all relevant times a citizen of the State of New
25 Jersey and domiciled in Jersey City, New Jersey. Plaintiff Aytan Zadok purchased and ingested the
26 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2010. As a result of
27 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
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1 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
2 to Plaintiff suffering Fanconi Syndrome. Plaintiff required and incurred and will continue to require
3 and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has
4 endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as
5 a result of his injuries, and has suffered other injuries and damages to be proven at trial.
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7 37. Plaintiff Benjamin Leonard is and was at all relevant times a citizen of the State of
8 Illinois and domiciled in Durand, Illinois. Plaintiff Benjamin Leonard purchased and ingested the
9 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2006. As a result
10 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
11 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
12 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis and bone
13 fractures. Plaintiff Benjamin Leonard required and incurred and will continue to require and incur
14 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
15 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
16 his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
17 damages to be proven at trial.
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19 38. Plaintiff Betty Leclercq is and was at all relevant times a citizen of the State of Texas
20 and domiciled in El Paso, Texas. Plaintiff Betty Leclercq purchased and ingested the following TDF
21 Drug for an FDA-approved use of the drug: Stribild beginning in 2013. As a result of Gilead's
22 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
23 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
24 suffering low kidney function. Plaintiff's ingestion of the TDF Drug also caused and/or contributed
25 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff
26 required and incurred and will continue to require and incur expenses in connection with medical
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1 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
2 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
3 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

4 39. Plaintiff Bonita Graham is and was at all relevant times a citizen of the State of
5 Alabama and domiciled in Vernon, Alabama. Plaintiff Bonita Graham purchased and ingested the
6 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2010. As a result of
7 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
8 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
9 to Plaintiff suffering kidney disease. Plaintiff Bonita Graham required and incurred and will continue
10 to require and incur expenses in connection with medical treatment as a result of these injuries.
11 Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
12 enjoyment of life as a result of her injuries, has suffered lost earnings and/or a loss of earning
13 capacity, and other injuries and damages to be proven at trial.

14 40. Plaintiff Brian F. McMorris is and was at all relevant times a citizen of the State of
15 Oregon and domiciled in Salem, Oregon. Plaintiff Brian F. McMorris purchased and ingested the
16 following TDF Drug for an FDA-approved use of the drug: Viread beginning in 2002. As a result of
17 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
18 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
19 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteopenia and fractures
20 to Plaintiff's feet. Plaintiff required and incurred and will continue to require and incur expenses in
21 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
22 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
23 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
24 to be proven at trial.

1 41. Plaintiff Carol Rose is and was at all relevant times a citizen of the State of Texas and
2 domiciled in Dallas, Texas. Plaintiff Carol Rose purchased and ingested the following TDF Drugs
3 for an FDA-approved use of the drugs: Viread, Truvada, and Complera beginning in 2012. As a
4 result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and
5 was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
6 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis
7 and a fracture to Plaintiff's toe. Plaintiff's ingestion of the TDF Drugs caused and/or contributed to
8 Plaintiff suffering kidney dysfunction, which resulted in a diagnosis of stage 2 chronic kidney
9 disease. Plaintiff required and incurred and will continue to require and incur expenses in connection
10 with medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure
11 pain, suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered
12 lost earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
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15 42. Plaintiff Carolyn Williams is and was at all relevant times a citizen of the State of
16 Texas and domiciled in Austin, Texas. Plaintiff Carolyn Williams purchased and ingested the
17 following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada beginning in 2009.
18 As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested
19 and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
20 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis
21 and fractures to Plaintiff's toes. Plaintiff required and incurred and will continue to require and incur
22 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
23 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
24 her injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
25 damages to be proven at trial.
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1 43. Plaintiff Carrie Mackey is and was at all relevant times a citizen of the State of Texas
2 and domiciled in Dallas, Texas. Plaintiff Carrie Mackey purchased and ingested the following TDF
3 Drug for an FDA-approved use of the drug: Truvada beginning in 2008. As a result of Gilead's
4 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
5 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
6 suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff required and
7 incurred and will continue to require and incur expenses in connection with medical treatment as a
8 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
9 anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost earnings and/or a
10 loss of earning capacity, and other injuries and damages to be proven at trial.
11

12 44. Plaintiff Cathy Iverson is and was at all relevant times a citizen of the State of Illinois
13 and domiciled in Fairview Heights, Illinois. Plaintiff Cathy Iverson purchased and ingested the
14 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2008. As a result of
15 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
16 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
17 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff
18 required and incurred and will continue to require and incur expenses in connection with medical
19 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
20 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
21 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
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23 45. Plaintiff Charles Wheatley is and was at all relevant times a citizen of the State of
24 Ohio and domiciled in Massillon, Ohio. Plaintiff Charles Wheatley purchased and ingested the
25 following TDF Drugs for an FDA-approved use of the drugs: Truvada and Viread beginning in 2005.
26 As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested
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1 and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
2 contributed to Plaintiff suffering damage to his kidneys, which resulted a diagnosis of stage 3 chronic
3 kidney disease. Plaintiff required and incurred and will continue to require and incur expenses in
4 connection with medical treatment as a result of these injuries, including hospitalization and one
5 round of dialysis. Plaintiff has endured and will continue to endure suffering, mental anguish, and
6 loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
7 capacity, and other injuries and damages to be proven at trial.
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9 46. Plaintiff Clifton Lewis is and was at all relevant times a citizen of the State of
10 Alabama and domiciled in Greensboro, Alabama. Plaintiff Clifton Lewis purchased and ingested the
11 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2013. As a result
12 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
13 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
14 to Plaintiff's suffering stage 4 chronic kidney disease and proteinuria. Plaintiff required and incurred
15 and will continue to require and incur expenses in connection with medical treatment as a result of
16 these injuries. Plaintiff Clifton Lewis has endured and will continue to endure pain, suffering, mental
17 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
18 loss of earning capacity, and other injuries and damages to be proven at trial.
19

20 47. Plaintiff Craig Walker is and was at all relevant times a citizen of the State of Georgia
21 and domiciled in Atlanta, Georgia. Plaintiff Craig Walker purchased and ingested the following TDF
22 Drugs for an FDA-approved use of the drugs: Atripla, Stribild, and Truvada beginning in 2014. As a
23 result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and
24 was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
25 contributed to Plaintiff suffering renal failure requiring dialysis treatments. Plaintiff required and
26 incurred and will continue to require and incur expenses in connection with medical treatment as a
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1 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
2 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
3 loss of earning capacity, and other injuries and damages to be proven at trial.

4 48. Plaintiff Curtis Reed is and was at all relevant times a citizen of the State of Illinois
5 and domiciled in Chicago, Illinois. Plaintiff Curtis Reed purchased and ingested the following TDF
6 Drugs for an FDA-approved use of the drugs: Truvada and Viread beginning in 2004. As a result of
7 Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and was
8 injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
9 contributed to Plaintiff suffering kidney failure. Plaintiff required and incurred and will continue to
10 require and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff
11 has endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of
12 life as a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other
13 injuries and damages to be proven at trial.

14 49. Plaintiff Dana B. Johnson is and was at all relevant times a citizen of the State of
15 Tennessee and domiciled in Crossville, Tennessee. Plaintiff Dana B. Johnson purchased and ingested
16 the following TDF Drug for an FDA-approved use of the drug: Viread beginning in 2012. As a result
17 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
18 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused Plaintiff to suffer
19 bone demineralization, which resulted in a diagnosis of osteoporosis and fractures to Plaintiff's hips
20 and pelvis. Plaintiff required and incurred and will continue to require and incur expenses in
21 connection with medical treatment as a result of these injuries, including surgery and physical
22 therapy. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
23 enjoyment of life as a result of her injuries, and other injuries and damages to be proven at trial.

1 50. Plaintiff Daniel Henry II is and was at all relevant times a citizen of the State of
2 Georgia and domiciled in Clarkston, Georgia. Plaintiff Daniel Henry II purchased and ingested the
3 following TDF Drugs for an FDA-approved use of the drugs: Truvada and Stribild beginning in
4 2004. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
5 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
6 and/or contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
7 osteoporosis. Plaintiff Daniel Henry II required and incurred and will continue to require and incur
8 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
9 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
10 his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
11 damages to be proven at trial.
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14 51. Plaintiff Danielle Francine Santos is and was at all relevant times a citizen of the State
15 of Texas and domiciled in Gonzales, Texas. Plaintiff Danielle Francine Santos purchased and
16 ingested the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2004.
17 As a result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested
18 and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
19 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis
20 and fractures to her foot and ribs. Plaintiff required and incurred and will continue to require and
21 incur expenses in connection with medical treatment as a result of these injuries. Plaintiff Danielle
22 Francine Santos has endured and will continue to endure pain, suffering, mental anguish, and loss of
23 enjoyment of life as a result of her injuries, has suffered lost earnings and/or a loss of earning
24 capacity, and other injuries and damages to be proven at trial.
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26 52. Plaintiff Danny L. O'Brien is and was at all relevant times a citizen of the State of
27 Ohio and domiciled in Cuyahoga Falls, Ohio. Plaintiff Danny L. O'Brien purchased and ingested the
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1 following TDF Drug for an FDA-approved use of the drug: Viread beginning in 2008. As a result of
2 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
3 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
4 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff
5 Danny L. O'Brien required and incurred and will continue to require and incur expenses in
6 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
7 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
8 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
9 to be proven at trial.
10

11 53. Plaintiff Darren Craig Gipson is and was at all relevant times a citizen of the State of
12 Tennessee and domiciled in Whites Creek, Tennessee. Plaintiff Darren Craig Gipson purchased and
13 ingested the following TDF Drug for an FDA-approved use of the drug: Stribild beginning in 2013.
14 As a result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested
15 and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
16 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteopenia.
17 Plaintiff required and incurred and will continue to require and incur expenses in connection with
18 medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
19 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
20 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
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23 54. Plaintiff Darryl Ellis is and was at all relevant times a citizen of the State of Ohio and
24 domiciled in Cincinnati, Ohio. Plaintiff Darryl Ellis purchased and ingested the following TDF Drug
25 for an FDA-approved use of the drug: Viread beginning in 2013. As a result of Gilead's wrongful
26 conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the foregoing
27 TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff suffering
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1 damage to his kidneys, which resulted in a diagnosis of renal failure. Plaintiff required and incurred
2 and will continue to require and incur expenses in connection with medical treatment as a result of
3 these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and
4 loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
5 capacity, and other injuries and damages to be proven at trial.
6

7 55. Plaintiff David Roos is and was at all relevant times a citizen of the State of Illinois
8 and domiciled in Chicago, Illinois. Plaintiff David Roos purchased and ingested the following TDF
9 Drug for an FDA-approved use of the drug: Viread beginning in 2005. As a result of Gilead's
10 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
11 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
12 suffering stage 4 chronic kidney disease. Plaintiff required and incurred and will continue to require
13 and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has
14 endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as
15 a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries
16 and damages to be proven at trial.
17

18 56. Plaintiff David Werner is and was at all relevant times a citizen of the State of New
19 York and domiciled in Centereach, New York. Plaintiff David Werner purchased and ingested the
20 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2006. As a result
21 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
22 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
23 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis and
24 fractures to Plaintiff's feet. Plaintiff required and incurred and will continue to require and incur
25 expenses in connection with medical treatment as a result of these injuries, including surgery and
26 physical therapy. Plaintiff has endured and will continue to endure pain, suffering, mental anguish,
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1 and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of
2 earning capacity, and other injuries and damages to be proven at trial.

3 57. Plaintiff Debora Templeton is and was at all relevant times a citizen of the State of
4 Texas and domiciled in Longview, Texas. Plaintiff Debora Templeton purchased and ingested the
5 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2012. As a result of
6 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
7 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
8 to Plaintiff suffering acute renal failure. Plaintiff required and incurred and will continue to require
9 and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has
10 endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as
11 a result of her injuries, and other injuries and damages to be proven at trial.
12

13 58. Plaintiff Delia D. Washington is and was at all relevant times a citizen of the State of
14 Tennessee and domiciled in Memphis, Tennessee. Plaintiff Delia D. Washington purchased and
15 ingested the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2006.
16 As a result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested
17 and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
18 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
19 osteoporosis. Plaintiff required and incurred and will continue to require and incur expenses in
20 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
21 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of her
22 injuries, and has suffered other injuries and damages to be proven at trial.
23

24 59. Plaintiff Demarco Burts is and was at all relevant times a citizen of the State of Texas
25 and domiciled in San Antonio, Texas. Plaintiff Demarco Burts purchased and ingested the following
26 TDF Drugs for an FDA-approved use of the drugs: Truvada and Atripla beginning in 2010. As a
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1 result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and
2 was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
3 contributed to Plaintiff suffering acute renal failure. Plaintiff required and incurred and will continue
4 to require and incur expenses in connection with medical treatment as a result of these injuries.
5 Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
6 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
7 capacity, and other injuries and damages to be proven at trial.
8

9 60. Plaintiff Demetrius Powell is and was at all relevant times a citizen of the
10 Commonwealth of Pennsylvania and domiciled in Philadelphia, Pennsylvania. Plaintiff Demetrius
11 Powell purchased and ingested the following TDF Drug for an FDA-approved use of the drug:
12 Viread beginning in 2013. As a result of Gilead's wrongful conduct with respect to the defective
13 TDF Drug, Plaintiff ingested and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the
14 TDF Drug caused and/or contributed to Plaintiff suffering kidney failure requiring dialysis
15 treatments. Plaintiff required and incurred and will continue to require and incur expenses in
16 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
17 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
18 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
19 to be proven at trial.
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22 61. Plaintiff Dennis Deel is and was at all relevant times a citizen of the State of Ohio and
23 domiciled in Wooster, Ohio. Plaintiff Dennis Deel purchased and ingested the following TDF Drug
24 for an FDA-approved use of the drug: Truvada beginning in 2004. As a result of Gilead's wrongful
25 conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the foregoing
26 TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff suffering
27 bone density loss, which resulted in the diagnosis of osteoporosis and a hip fracture. Plaintiff
28

1 required and incurred and will continue to require and incur expenses in connection with medical
2 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
3 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
4 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

5
6 62. Plaintiff Dennis Griffin is and was at all relevant times a citizen of the State of Ohio
7 and domiciled in Cincinnati, Ohio. Plaintiff Dennis Griffin purchased and ingested the following
8 TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2014. As a result of Gilead's
9 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
10 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
11 suffering end-stage renal disease. Plaintiff required and incurred and will continue to require and
12 incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has
13 endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as
14 a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries
15 and damages to be proven at trial.

16
17 63. Plaintiff Diane Austin is and was at all relevant times a citizen of the State of Illinois
18 and domiciled in Loves Park, Illinois. Plaintiff Diane Austin purchased and ingested the following
19 TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2007. As a result of Gilead's
20 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
21 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
22 suffering bone density loss, which resulted in a diagnosis of osteoporosis and a fracture to Plaintiff's
23 arm. Plaintiff required and incurred and will continue to require and incur expenses in connection
24 with medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure
25 pain, suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, and has
26 suffered other injuries and damages to be proven at trial.
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1 64. Plaintiff Donald Cregger is and was at all relevant times a citizen of the State of Ohio
2 and domiciled in Wheelersburg, Ohio. Plaintiff Donald Cregger purchased and ingested the
3 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2004. As a result
4 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
5 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
6 to Plaintiff suffering high creatinine levels requiring dialysis treatments. Plaintiff Donald Cregger
7 required and incurred and will continue to require and incur expenses in connection with medical
8 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
9 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
10 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
11

12 65. Plaintiff Donald Larrew is and was at all relevant times a citizen of the State of
13 Illinois and domiciled in Mattoon, Illinois. Plaintiff Donald Larrew purchased and ingested the
14 following TDF Drugs for an FDA-approved use of the drugs: Viread, Truvada, and Atripla beginning
15 in 2008. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
16 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
17 and/or contributed to Plaintiff suffering stage 3 chronic kidney disease. Plaintiff required and
18 incurred and will continue to require and incur expenses in connection with medical treatment as a
19 result of these injuries. Plaintiff Donald Larrew has endured and will continue to endure pain,
20 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
21 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
22

23 66. Plaintiff Edward Hamilton is and was at all relevant times a citizen of the State of
24 Ohio and domiciled in Columbus, Ohio. Plaintiff Edward Hamilton purchased and ingested the
25 following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada beginning in 2001.
26 As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested
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1 and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
2 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of bone
3 density loss. Plaintiff subsequently suffered a right fibula fracture. Plaintiff required and incurred and
4 will continue to require and incur expenses in connection with medical treatment as a result of these
5 injuries, including surgery and physical therapy. Plaintiff has endured and will continue to endure
6 pain, suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, and other
7 injuries and damages to be proven at trial.
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9 67. Plaintiff Elanda Wilson Williams is and was at all relevant times a citizen of the State
10 of Texas and domiciled in Dallas, Texas. Plaintiff Elanda Wilson Williams purchased and ingested
11 the following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2006. As a result
12 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
13 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
14 to Plaintiff suffering kidney dysfunction and damage to her kidneys, resulting in a diagnosis of renal
15 failure. Plaintiff required and incurred and will continue to require and incur expenses in connection
16 with medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure
17 pain, suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, and has
18 suffered other injuries and damages to be proven at trial.
19

20 68. Plaintiff Ella Frances Chatman is and was at all relevant times a citizen of the State of
21 Tennessee and domiciled in Memphis, Tennessee. Plaintiff Ella Frances Chatman purchased and
22 ingested the following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2012.
23 As a result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested
24 and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
25 contributed to Plaintiff suffering stage 4 chronic kidney disease. Plaintiff Ella Frances Chatman
26 required and incurred and will continue to require and incur expenses in connection with medical
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1 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
2 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, and other injuries
3 and damages to be proven at trial.

4 69. Plaintiff Eric Miller is and was at all relevant times a citizen of the State of Texas and
5 domiciled in Houston, Texas. Plaintiff Eric Miller purchased and ingested the following TDF Drug
6 for an FDA-approved use of the drug: Truvada beginning in 2010. As a result of Gilead's wrongful
7 conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the foregoing
8 TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff suffering
9 bone demineralization, which resulted in a diagnosis of osteopenia and fractures to Plaintiff's toe and
10 hand. Plaintiff required and incurred and will continue to require and incur expenses in connection
11 with medical treatment as a result of these injuries, including surgery and physical therapy. Plaintiff
12 has endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of
13 life as a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other
14 injuries and damages to be proven at trial.

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17 70. Plaintiff Ernest L. Johnson, Jr., is and was at all relevant times a citizen of the State of
18 Florida and domiciled in Fort Lauderdale, Florida. Plaintiff Ernest L. Johnson, Jr., purchased and
19 ingested the following TDF Drugs for an FDA-approved use of the drugs: Viread and Atripla
20 beginning in 2001. As a result of Gilead's wrongful conduct with respect to the defective TDF
21 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
22 TDF Drugs caused and/or contributed to Plaintiff suffering end-stage renal disease. Plaintiff required
23 and incurred and will continue to require and incur expenses in connection with medical treatment as
24 a result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
25 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
26 loss of earning capacity, and other injuries and damages to be proven at trial.
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1 71. Plaintiff Fabian O'Neal is and was at all relevant times a citizen of the State of New
2 Jersey and domiciled in East Orange, New Jersey. Plaintiff Fabian O'Neal purchased and ingested
3 the following TDF Drugs for an FDA-approved use of the drugs: Truvada, Atripla, and Complera
4 beginning in 2005. As a result of Gilead's wrongful conduct with respect to the defective TDF
5 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
6 TDF Drugs caused and/or contributed to Plaintiff suffering renal failure. Plaintiff required and
7 incurred and will continue to require and incur expenses in connection with medical treatment as a
8 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
9 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
10 loss of earning capacity, and other injuries and damages to be proven at trial.

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12 72. Plaintiff Felix Jones is and was at all relevant times a citizen of the State of Texas and
13 domiciled in Waco, Texas. Plaintiff Felix Jones purchased and ingested the following TDF Drug for
14 an FDA-approved use of the drug: Truvada beginning in 2006. As a result of Gilead's wrongful
15 conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the foregoing
16 TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff suffering
17 bone demineralization and damage to his kidneys, which resulted in the diagnoses of osteopenia and
18 stage 3 chronic kidney disease with high creatinine levels. Plaintiff required and incurred and will
19 continue to require and incur expenses in connection with medical treatment as a result of these
20 injuries. Plaintiff Felix Jones has endured and will continue to endure pain, suffering, mental
21 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
22 loss of earning capacity, and other injuries and damages to be proven at trial.

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24 73. Plaintiff Floyd Bromley-Spiegle is and was at all relevant times a citizen of the State
25 of Alabama and domiciled in Birmingham, Alabama. Plaintiff Floyd Bromley-Spiegle purchased and
26 ingested the following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada
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1 beginning in 2001. As a result of Gilead's wrongful conduct with respect to the defective TDF
2 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
3 TDF Drugs caused and/or contributed to Plaintiff suffering bone demineralization, which resulted in
4 a diagnosis of osteoporosis. Plaintiff required and incurred and will continue to require and incur
5 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
6 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
7 his injuries, and has suffered other injuries and damages to be proven at trial.
8

9 74. Plaintiff Floyd Twyman May, Jr., is and was at all relevant times a citizen of the State
10 of Texas and domiciled in Houston, Texas. Plaintiff Floyd Twyman May, Jr., purchased and ingested
11 the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2004. As a
12 result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and
13 was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
14 contributed to Plaintiff suffering kidney disease. Plaintiff Floyd Twyman May, Jr., required and
15 incurred and will continue to require and incur expenses in connection with medical treatment as a
16 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
17 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
18 loss of earning capacity, and other injuries and damages to be proven at trial.
19

20 75. Plaintiff Francisco Negrete is and was at all relevant times a citizen of the State of
21 Texas and domiciled in San Antonio, Texas. Plaintiff Francisco Negrete purchased and ingested the
22 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2014. As a result
23 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
24 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
25 to Plaintiff suffering acute kidney failure. Plaintiff Francisco Negrete required and incurred and will
26 continue to require and incur expenses in connection with medical treatment as a result of these
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1 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
2 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
3 capacity, and other injuries and damages to be proven at trial.

4 76. Plaintiff Gerald Hawkins is and was at all relevant times a citizen of the State of
5 Georgia and domiciled in Albany, Georgia. Plaintiff Gerald Hawkins purchased and ingested the
6 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2004. As a result
7 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
8 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
9 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of bone density loss.
10 Plaintiff required and incurred and will continue to require and incur expenses in connection with
11 medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
12 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
13 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

14 77. Plaintiff Gerry Horton is and was at all relevant times a citizen of the State of Georgia
15 and domiciled in Stone Mountain, Georgia. Plaintiff Gerry Horton purchased and ingested the
16 following TDF Drug for an FDA-approved use of the drug: Viread beginning in 2001. As a result of
17 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
18 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
19 to Plaintiff suffering damage to his kidneys, which resulted in a diagnosis of stage 5 chronic kidney
20 disease. Plaintiff's ingestion of the TDF Drug also caused and/or contributed to Plaintiff suffering
21 bone demineralization, which resulted in a diagnosis of weakening of the bones. Plaintiff required
22 and incurred and will continue to require and incur expenses in connection with medical treatment as
23 a result of these injuries. Plaintiff Gerry Horton has endured and will continue to endure pain,
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1 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
2 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

3 78. Plaintiff Herbert Turner is and was at all relevant times a citizen of the State of
4 Alabama and domiciled in Abbeville, Alabama. Plaintiff Herbert Turner purchased and ingested the
5 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2015. As a result
6 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
7 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
8 to Plaintiff suffering kidney failure requiring dialysis treatments. Plaintiff required and incurred and
9 will continue to require and incur expenses in connection with medical treatment as a result of these
10 injuries. Plaintiff Herbert Turner has endured and will continue to endure pain, suffering, mental
11 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
12 loss of earning capacity, and other injuries and damages to be proven at trial.
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15 79. Plaintiff Ingrid Hines is and was at all relevant times a citizen of the State of Alabama
16 and domiciled in Mobile, Alabama. Plaintiff Ingrid Hines purchased and ingested the following TDF
17 Drug for an FDA-approved use of the drug: Truvada beginning in 2010. As a result of Gilead's
18 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
19 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
20 suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff Ingrid Hines
21 required and incurred and will continue to require and incur expenses in connection with medical
22 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
23 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
24 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
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26 80. Plaintiff Jacqueline Oliver is and was at all relevant times a citizen of the State of
27 Ohio and domiciled in Cleveland, Ohio. Plaintiff Jacqueline Oliver purchased and ingested the
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1 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2007. As a result
2 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
3 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
4 to Plaintiff suffering kidney disease. Plaintiff's ingestion of the TDF Drug also caused and/or
5 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
6 osteoporosis. Plaintiff Jacqueline Oliver required and incurred and will continue to require and incur
7 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
8 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
9 her injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
10 damages to be proven at trial.
11

12 81. Plaintiff James Berry is and was at all relevant times a citizen of the State of Georgia
13 and domiciled in Lawrenceville, Georgia. Plaintiff James Berry purchased and ingested the following
14 TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2011. As a result of Gilead's
15 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
16 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
17 suffering bone demineralization, which resulted in a diagnosis of low bone density and a fracture to
18 Plaintiff's ankle. Plaintiff required and incurred and will continue to require and incur expenses in
19 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
20 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
21 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
22 to be proven at trial.
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25 82. Plaintiff James Edward Oakes is and was at all relevant times a citizen of the
26 Commonwealth of Pennsylvania and domiciled in Secane, Pennsylvania. Plaintiff James Edward
27 Oakes purchased and ingested the following TDF Drugs for an FDA-approved use of the drugs:
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1 Atripla and Stribild beginning in 2009. As a result of Gilead's wrongful conduct with respect to the
2 defective TDF Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's
3 ingestion of the TDF Drugs caused and/or contributed to Plaintiff suffering kidney failure requiring
4 hospitalization. Plaintiff James Edward Oakes required and incurred and will continue to require and
5 incur expenses in connection with medical treatment as a result of these injuries. Plaintiff James
6 Edward Oakes has endured and will continue to endure pain, suffering, mental anguish, and loss of
7 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
8 capacity, and other injuries and damages to be proven at trial.

10 83. Plaintiff James Michael Eaton is and was at all relevant times a citizen of the State of
11 Texas and domiciled in Pearland, Texas. Plaintiff James Michael Eaton purchased and ingested the
12 following TDF Drugs for an FDA-approved use of the drugs: Atripla and Complera beginning in
13 2007. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
14 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
15 and/or contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
16 osteoporosis. Plaintiff required and incurred and will continue to require and incur expenses in
17 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
18 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
19 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
20 to be proven at trial.

22 84. James Ware is and was at all relevant times a citizen of the State of Georgia and
23 domiciled in Atlanta, Georgia. Plaintiff James Ware purchased and ingested the following TDF
24 Drugs for an FDA-approved use of the drugs: Viread, Truvada, and Atripla beginning in 2001. As a
25 result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and
26 was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
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1 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
2 osteoporosis. Plaintiff James Ware required and incurred and will continue to require and incur
3 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
4 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
5 his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
6 damages to be proven at trial.
7

8 85. Plaintiff James Wayne Jones is and was at all relevant times a citizen of the State of
9 Texas and domiciled in Dallas, Texas. Plaintiff James Wayne Jones purchased and ingested the
10 following TDF Drug for an FDA-approved use of the drug: Viread beginning in 2007. As a result of
11 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
12 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
13 to Plaintiff suffering acute renal failure. Plaintiff required and incurred and will continue to require
14 and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has
15 endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as
16 a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries
17 and damages to be proven at trial.
18

19 86. Plaintiff James Young is and was at all relevant times a citizen of the State of Texas
20 and domiciled in Houston, Texas. Plaintiff James Young purchased and ingested the following TDF
21 Drug for an FDA-approved use of the drug: Atripla beginning in 2008. As a result of Gilead's
22 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
23 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
24 suffering bone demineralization, which resulted in a diagnosis of bone density loss. Plaintiff's bone
25 density loss and related deterioration caused and/or contributed to Plaintiff suffering a bone fracture
26 in his dominant hand, which required Plaintiff to undergo surgery. Plaintiff James Young required
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1 and incurred and will continue to require and incur expenses in connection with medical treatment as
2 a result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
3 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
4 loss of earning capacity, and other injuries and damages to be proven at trial.

5
6 87. Plaintiff Jeffrey Berry is and was at all relevant times a citizen of the State of Texas
7 and domiciled in Houston, Texas. Plaintiff Jeffrey Berry purchased and ingested the following TDF
8 Drug for an FDA-approved use of the drug: Atripla beginning in 2006. As a result of Gilead's
9 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
10 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
11 suffering kidney failure. Plaintiff required and incurred and will continue to require and incur
12 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
13 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
14 his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
15 damages to be proven at trial.

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17 88. Plaintiff Jeffrey Lee Gillum is and was at all relevant times a citizen of the State of
18 Ohio and domiciled in Lancaster, Ohio. Plaintiff Jeffrey L. Gillum purchased and ingested the
19 following TDF Drug for an FDA-approved use of the drug: Viread beginning in 2009. As a result of
20 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
21 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
22 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff
23 Jeffrey Lee Gillum required and incurred and will continue to require and incur expenses in
24 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
25 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
26 injuries, and other injuries and damages to be proven at trial.

1 89. Plaintiff Jennifer Chapman is and was at all relevant times a citizen of the State of
2 Georgia and domiciled in Decatur, Georgia. Plaintiff Jennifer Chapman purchased and ingested the
3 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2006. As a result of
4 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
5 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
6 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff
7 required and incurred and will continue to require and incur expenses in connection with medical
8 treatment as a result of these injuries. Plaintiff Jennifer Chapman has endured and will continue to
9 endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has
10 suffered lost earnings and/or a loss of earning capacity, and other injuries and damages to be proven
11 at trial.
12

13 90. Plaintiff Jeremy Malean is and was at all relevant times a citizen of the State of
14 Washington and domiciled in Everett, Washington. Plaintiff Jeremy Malean purchased and ingested
15 the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2008. As a
16 result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and
17 was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
18 contributed to Plaintiff suffering kidney failure. Plaintiff's ingestion of the TDF Drug also caused
19 and/or contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
20 osteoporosis and a fracture to Plaintiff's leg. Plaintiff required and incurred and will continue to
21 require and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff
22 has endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of
23 life as a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other
24 injuries and damages to be proven at trial.
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1 91. Plaintiff Jerry Vaughn is and was at all relevant times a citizen of the State of Georgia
2 and domiciled in Kingston, Georgia. Plaintiff Jerry Vaughn purchased and ingested the following
3 TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2012. As a result of Gilead's
4 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
5 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
6 suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff required and
7 incurred and will continue to require and incur expenses in connection with medical treatment as a
8 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
9 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
10 loss of earning capacity, and other injuries and damages to be proven at trial.
11

12 92. Plaintiff Jerry Villa-Chauvin is and was at all relevant times a citizen of the State of
13 New Jersey and domiciled in Piscataway, New Jersey. Plaintiff Jerry Villa-Chauvin purchased and
14 ingested the following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada
15 beginning in 2002. As a result of Gilead's wrongful conduct with respect to the defective TDF
16 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
17 TDF Drugs caused and/or contributed to Plaintiff suffering bone demineralization, which resulted in
18 a diagnosis of osteoporosis. Plaintiff Jerry Villa-Chauvin required and incurred and will continue to
19 require and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff
20 has endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of
21 life as a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other
22 injuries and damages to be proven at trial.
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25 93. Plaintiff John Plummer is and was at all relevant times a citizen of the
26 Commonwealth of Pennsylvania and domiciled in Milford, Pennsylvania. Plaintiff John Plummer
27 purchased and ingested the following TDF Drugs for an FDA-approved use of the drugs: Atripla and
28

1 Truvada beginning in 2006. As a result of Gilead's wrongful conduct with respect to the defective
2 TDF Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of
3 the TDF Drugs caused and/or contributed to Plaintiff suffering bone demineralization, which resulted
4 in a diagnosis of osteopenia and a fractured rib. Plaintiff John Plummer required and incurred and
5 will continue to require and incur expenses in connection with medical treatment as a result of these
6 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
7 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
8 capacity, and other injuries and damages to be proven at trial.

10 94. Plaintiff Jonathan C. Cox is and was at all relevant times a citizen of the State of Ohio
11 and domiciled in Akron, Ohio. Plaintiff Jonathan C. Cox purchased and ingested the following TDF
12 Drugs for an FDA-approved use of the drugs: Atripla and Truvada beginning in 2012. As a result of
13 Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and was
14 injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
15 contributed to Plaintiff suffering Fanconi Syndrome and stage 3 chronic kidney disease. Plaintiff
16 Jonathan C. Cox required and incurred and will continue to require and incur expenses in connection
17 with medical treatment as a result of these injuries. Plaintiff Jonathan C. Cox has endured and will
18 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
19 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
20 to be proven at trial.

23 95. Plaintiff Jonathan Correia is and was at all relevant times a citizen of the State of
24 Texas and domiciled in Houston, Texas. Plaintiff Jonathan Correia purchased and ingested the
25 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2010. As a result of
26 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
27 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
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1 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of bone density loss.
2 Plaintiff required and incurred and will continue to require and incur expenses in connection with
3 medical treatment as a result of these injuries. Plaintiff Jonathan Correia has endured and will
4 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
5 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
6 to be proven at trial.
7

8 96. Plaintiff Joshua Bolton is and was at all relevant times a citizen of the State of Ohio
9 and domiciled in Lebanon, Ohio. Plaintiff Joshua Bolton purchased and ingested the following TDF
10 Drug for an FDA-approved use of the drug: Atripla beginning in 2011. As a result of Gilead's
11 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
12 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
13 suffering stage 3 chronic kidney disease. Plaintiff required and incurred and will continue to require
14 and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has
15 endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as
16 a result of his injuries, and has suffered other injuries and damages to be proven at trial.
17

18 97. Plaintiff Joyce Anne Owens is and was at all relevant times a citizen of the
19 Commonwealth of Pennsylvania and domiciled in New Brighton, Pennsylvania. Plaintiff Joyce Anne
20 Owens purchased and ingested the following TDF Drug for an FDA-approved use of the drug:
21 Atripla beginning in 2010. As a result of Gilead's wrongful conduct with respect to the defective
22 TDF Drug, Plaintiff ingested and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the
23 TDF Drug caused and/or contributed to Plaintiff suffering stage 3 chronic kidney disease. Plaintiff's
24 ingestion of the TDF Drug also caused and/or contributed to Plaintiff suffering bone
25 demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff required and incurred and
26 will continue to require and incur expenses in connection with medical treatment as a result of these
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1 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
2 enjoyment of life as a result of her injuries, has suffered lost earnings and/or a loss of earning
3 capacity, and other injuries and damages to be proven at trial.

4 98. Plaintiff Juan Plummer is and was at all relevant times a citizen of the State of
5 Alabama and domiciled in Birmingham, Alabama. Plaintiff Juan Plummer purchased and ingested
6 the following TDF Drugs for an FDA-approved use of the drugs: Truvada, Atripla, and Stribild
7 beginning in 2009. As a result of Gilead's wrongful conduct with respect to the defective TDF
8 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
9 TDF Drugs caused and/or contributed to Plaintiff suffering acute renal failure. Plaintiff required and
10 incurred and will continue to require and incur expenses in connection with medical treatment as a
11 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
12 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
13 loss of earning capacity, and other injuries and damages to be proven at trial.

14 99. Plaintiff Kecia Scales is and was at all relevant times a citizen of the State of Georgia
15 and domiciled in Hampton, Georgia. Plaintiff Kecia Scales purchased and ingested the following
16 TDF Drugs for an FDA-approved use of the drugs: Viread, Truvada, Atripla, and Complera
17 beginning in 2008. As a result of Gilead's wrongful conduct with respect to the defective TDF
18 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
19 TDF Drugs caused and/or contributed to Plaintiff suffering renal failure. Plaintiff Kecia Scales
20 required and incurred and will continue to require and incur expenses in connection with medical
21 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
22 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
23 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

1 100. Plaintiff Keith W. Schmidt is and was at all relevant times a citizen of the State of
2 Texas and domiciled in Conroe, Texas. Plaintiff Keith W. Schmidt purchased and ingested the
3 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2007. As a result
4 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
5 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
6 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff
7 required and incurred and will continue to require and incur expenses in connection with medical
8 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
9 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, and has suffered
10 other injuries and damages to be proven at trial.
11

12 101. Plaintiff Kenneth Marc Zink is and was at all relevant times a citizen of the State of
13 Oregon and domiciled in Portland, Oregon. Plaintiff Kenneth Marc Zink purchased and ingested the
14 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2007. As a result
15 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
16 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
17 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis and a
18 fracture to Plaintiff's leg. Plaintiff Kenneth Marc Zink required and incurred and will continue to
19 require and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff
20 Kenneth Marc Zink has endured and will continue to endure pain, suffering, mental anguish, and loss
21 of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
22 capacity, and other injuries and damages to be proven at trial.
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24

25 102. Plaintiff Kevin D. Boone, Sr., is and was at all relevant times a citizen of the State of
26 Texas and domiciled in Cypress, Texas. Plaintiff Kevin D. Boone, Sr., purchased and ingested the
27 following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada beginning in 2001.
28

1 As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested
2 and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
3 contributed to Plaintiff suffering kidney failure, which required dialysis treatments and kidney
4 transplant surgery. Plaintiff required and incurred and will continue to require and incur expenses in
5 connection with medical treatment as a result of these injuries, including surgery and physical
6 therapy. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
7 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
8 capacity, and other injuries and damages to be proven at trial.
9

10 103. Plaintiff Kevin Keifer is and was at all relevant times a citizen of the State of
11 Washington and domiciled in Pullman, Washington. Plaintiff Kevin Keifer purchased and ingested
12 the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2008. As a
13 result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and
14 was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
15 contributed to Plaintiff suffering damage to his kidneys, which resulted in a diagnosis of stage 3
16 chronic kidney disease. Plaintiff's ingestion of the TDF Drug also caused and/or contributed to
17 Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteopenia. Plaintiff Kevin
18 Keifer required and incurred and will continue to require and incur expenses in connection with
19 medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
20 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
21 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
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24 104. Plaintiff Kurt Becker is and was at all relevant times a citizen of the State of Texas
25 and domiciled in Austin, Texas. Plaintiff Kurt Becker purchased and ingested the following TDF
26 Drugs for an FDA-approved use of the drugs: Viread and Truvada beginning in 2005. As a result of
27 Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and was
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1 injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
2 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
3 osteoporosis. Plaintiff required and incurred and will continue to require and incur expenses in
4 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
5 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
6 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
7 to be proven at trial.
8

9 105. Plaintiff Latasha Medford is and was at all relevant times a citizen of the State of
10 Texas and domiciled in Dallas, Texas. Plaintiff Latasha Medford purchased and ingested the
11 following TDF Drugs for an FDA-approved use of the drugs: Truvada, Complera, and Stribild
12 beginning in 2007. As a result of Gilead's wrongful conduct with respect to the defective TDF
13 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
14 TDF Drugs caused and/or contributed to Plaintiff suffering kidney dysfunction, which resulted in a
15 diagnosis of acute kidney failure. Plaintiff required and incurred and will continue to require and
16 incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has
17 endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as
18 a result of her injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries
19 and damages to be proven at trial.
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22 106. Plaintiff Leniza King is and was at all relevant times a citizen of the State of Georgia
23 and domiciled in Columbus, Georgia. Plaintiff Leniza King purchased and ingested the following
24 TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2008. As a result of Gilead's
25 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
26 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
27 suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff Leniza King
28

1 required and incurred and will continue to require and incur expenses in connection with medical
2 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
3 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
4 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

5
6 107. Plaintiff Leon Larrew is and was at all relevant times a citizen of the State of Illinois
7 and domiciled in Mattoon, Illinois. Plaintiff Leon Larrew purchased and ingested the following TDF
8 Drugs for an FDA-approved use of the drugs: Atripla and Truvada beginning in 2006. As a result of
9 Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and was
10 injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
11 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
12 osteoporosis. Plaintiff required and incurred and will continue to require and incur expenses in
13 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
14 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
15 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
16 to be proven at trial.

17
18 108. Plaintiff Levi Hampton is and was at all relevant times a citizen of the State of
19 Mississippi and domiciled in Jackson, Mississippi. Plaintiff Levi Hampton purchased and ingested
20 the following TDF Drugs for an FDA-approved use of the drugs: Truvada and Viread beginning in
21 2009. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
22 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
23 and/or contributed to Plaintiff suffering kidney failure requiring hospitalization. Plaintiff required
24 and incurred and will continue to require and incur expenses in connection with medical treatment as
25 a result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
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1 anguish, and loss of enjoyment of life as a result of his injuries, and has suffered other injuries and
2 damages to be proven at trial.

3 109. Plaintiff Linda Olivia Johnson is and was at all relevant times a citizen of the State of
4 Louisiana and domiciled in Harvey, Louisiana. Plaintiff Linda Olivia Johnson purchased and
5 ingested the following TDF Drugs for an FDA-approved use of the drugs: Truvada, Complera, and
6 Atripla beginning in 2004. As a result of Gilead's wrongful conduct with respect to the defective
7 TDF Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of
8 the TDF Drugs caused and/or contributed to Plaintiff suffering bone demineralization, which resulted
9 in a diagnosis of osteoporosis. Plaintiff required and incurred and will continue to require and incur
10 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
11 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
12 her injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
13 damages to be proven at trial.

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16 110. Plaintiff Linda Ramos is and was at all relevant times a citizen of the State of Texas
17 and domiciled in San Antonio, Texas. Plaintiff Linda Ramos purchased and ingested the following
18 TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2011. As a result of Gilead's
19 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
20 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
21 suffering stage 3 chronic kidney disease. Plaintiff required and incurred and will continue to require
22 and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has
23 endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as
24 a result of her injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries
25 and damages to be proven at trial.

1 111. Plaintiff Lisa M. Johnson is and was at all relevant times a citizen of the State of
2 Florida and domiciled in Belle Glade, Florida. Plaintiff Lisa M. Johnson purchased and ingested the
3 following TDF Drugs for an FDA-approved use of the drugs: Atripla and Truvada beginning in
4 2007. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
5 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
6 and/or contributed to Plaintiff suffering kidney failure, which required dialysis treatments. Plaintiff
7 required and incurred and will continue to require and incur expenses in connection with medical
8 treatment as a result of these injuries, including surgery and physical therapy. Plaintiff has endured
9 and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result
10 of her injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
11 damages to be proven at trial.
12

13 112. Plaintiff Mario Fraccet is and was at all relevant times a citizen of the State of New
14 Jersey and domiciled in Paterson, New Jersey. Plaintiff Mario Fraccet purchased and ingested the
15 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2006. As a result of
16 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
17 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
18 to Plaintiff suffering stage 5 chronic kidney disease. Plaintiff required and incurred and will continue
19 to require and incur expenses in connection with medical treatment as a result of these injuries.
20 Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
21 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
22 capacity, and other injuries and damages to be proven at trial.
23

24 113. Plaintiff Mark A. Dansby is and was at all relevant times a citizen of the State of
25 Georgia and domiciled in Atlanta, Georgia. Plaintiff Mark A. Dansby purchased and ingested the
26 following TDF Drugs for an FDA-approved use of the drugs: Atripla and Truvada beginning in
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1 2007. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
2 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
3 and/or contributed to Plaintiff suffering acute kidney failure requiring dialysis treatments. Plaintiff
4 required and incurred and will continue to require and incur expenses in connection with medical
5 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
6 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
7 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
8

9 114. Plaintiff Mark Deiwert is and was at all relevant times a citizen of the State of Florida
10 and domiciled in Saint Petersburg, Florida. Plaintiff Mark Deiwert purchased and ingested the
11 following TDF Drugs for an FDA-approved use of the drugs: Stribild, Truvada, and Atripla
12 beginning in 2013. As a result of Gilead's wrongful conduct with respect to the defective TDF
13 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
14 TDF Drugs caused and/or contributed to Plaintiff suffering stage 3 chronic kidney disease. Plaintiff
15 required and incurred and will continue to require and incur expenses in connection with medical
16 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
17 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
18 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
19

20 115. Plaintiff Mark Peconi is and was at all relevant times a citizen of the Commonwealth
21 of Pennsylvania and domiciled in Cheswick, Pennsylvania. Plaintiff Mark Peconi purchased and
22 ingested the following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada
23 beginning in 2001. As a result of Gilead's wrongful conduct with respect to the defective TDF
24 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
25 TDF Drugs caused and/or contributed to Plaintiff suffering chronic kidney disease. Plaintiff's
26 ingestion of the TDF Drugs also caused and/or contributed to Plaintiff suffering bone
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1 demineralization, which resulted in a diagnosis of osteoporosis and fractures to Plaintiff's fingers.
2 Plaintiff required and incurred and will continue to require and incur expenses in connection with
3 medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
4 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
5 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
6

7 116. Plaintiff Marland Anthony Roberts is and was at all relevant times a citizen of the
8 State of Georgia and domiciled in Dacula, Georgia. Plaintiff Marland Anthony Roberts purchased
9 and ingested the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in
10 2011. As a result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff
11 ingested and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused
12 and/or contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
13 osteoporosis. Plaintiff required and incurred and will continue to require and incur expenses in
14 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
15 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
16 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
17 to be proven at trial.
18

19 117. Plaintiff Mary Mercer is and was at all relevant times a citizen of the State of Georgia
20 and domiciled in Atlanta, Georgia. Plaintiff Mary Mercer purchased and ingested the following TDF
21 Drugs for an FDA-approved use of the drugs: Viread and Complera beginning in 2001. As a result of
22 Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and was
23 injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
24 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
25 osteoporosis. Plaintiff required and incurred and will continue to require and incur expenses in
26 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
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1 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of her
2 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
3 to be proven at trial.

4 118. Plaintiff Michael A. Jackson is and was at all relevant times a citizen of the State of
5 Georgia and domiciled in Albany, Georgia. Plaintiff Michael A. Jackson purchased and ingested the
6 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2010. As a result
7 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
8 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
9 to Plaintiff suffering stage 3 chronic kidney disease and high creatinine levels. Plaintiff Michael A.
10 Jackson required and incurred and will continue to require and incur expenses in connection with
11 medical treatment as a result of these injuries. Plaintiff Michael A. Jackson has endured and will
12 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
13 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
14 to be proven at trial.

15 119. Plaintiff Michael Charters is and was at all relevant times a citizen of the State of
16 Texas and domiciled in Kaufman, Texas. Plaintiff Michael Charters purchased and ingested the
17 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2005. As a result
18 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
19 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
20 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteopenia. Plaintiff's
21 ingestion of the TDF Drug also caused and/or contributed to Plaintiff suffering stage 4 chronic
22 kidney disease. Plaintiff Michael Charters required and incurred and will continue to require and
23 incur expenses in connection with medical treatment as a result of these injuries. Plaintiff Michael
24 Charters has endured and will continue to endure pain, suffering, mental anguish, and loss of
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1 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
2 capacity, and other injuries and damages to be proven at trial.

3 120. Plaintiff Michael Haddan is and was at all relevant times a citizen of the State of
4 Indiana and domiciled in Sulphur Springs, Indiana. Plaintiff Michael Haddan purchased and ingested
5 the following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2006. As a result
6 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
7 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
8 to Plaintiff suffering renal failure requiring dialysis treatments. Plaintiff Michael Haddan required
9 and incurred and will continue to require and incur expenses in connection with medical treatment as
10 a result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
11 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
12 loss of earning capacity, and other injuries and damages to be proven at trial.
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15 121. Plaintiff Michael Hall is and was at all relevant times a citizen of the State of Georgia
16 and domiciled in Scottdale, Georgia. Plaintiff Michael Hall purchased and ingested the following
17 TDF Drug for an FDA-approved use of the drug: Viread beginning in 2006. As a result of Gilead's
18 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
19 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
20 suffering low kidney functionality. Plaintiff's ingestion of the TDF Drug also caused and/or
21 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of low bone
22 density and fractures to Plaintiff's ribs. Plaintiff required and incurred and will continue to require
23 and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has
24 endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as
25 a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries
26 and damages to be proven at trial.
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1 122. Michael Jones is and was at all relevant times a citizen of the State of Texas and
2 domiciled in Houston, Texas. Plaintiff Michael Jones purchased and ingested the following TDF
3 Drug for an FDA-approved use of the drug: Truvada beginning in 2010. As a result of Gilead's
4 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
5 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
6 suffering end stage renal disease requiring dialysis treatments. Plaintiff Michael Jones required and
7 incurred and will continue to require and incur expenses in connection with medical treatment as a
8 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
9 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
10 loss of earning capacity, and other injuries and damages to be proven at trial.
11

12 123. Plaintiff Mitchell Guin is and was at all relevant times a citizen of the State of
13 Mississippi and domiciled in Kiln, Mississippi. Plaintiff Mitchell Guin purchased and ingested the
14 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2005. As a result
15 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
16 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
17 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff
18 required and incurred and will continue to require and incur expenses in connection with medical
19 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
20 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
21 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
22

23 124. Plaintiff Monty Herron is and was at all relevant times a citizen of the State of Oregon
24 and domiciled in Salem, Oregon. Plaintiff Monty Herron purchased and ingested the following TDF
25 Drugs for an FDA-approved use of the drugs: Truvada and Stribild beginning in 2004. As a result of
26 Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and was
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1 injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
2 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of bone
3 density loss. Plaintiff required and incurred and will continue to require and incur expenses in
4 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
5 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
6 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
7 to be proven at trial.
8

9 125. Plaintiff Nadine Godden is and was at all relevant times a citizen of the State of
10 Illinois and domiciled in Champaign, Illinois. Plaintiff Nadine Godden purchased and ingested the
11 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2011. As a result
12 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
13 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
14 to Plaintiff suffering renal failure, requiring dialysis treatments. Plaintiff's ingestion of the TDF Drug
15 also caused and/or contributed to Plaintiff suffering bone demineralization, which resulted in a
16 diagnosis of osteoporosis. Plaintiff required and incurred and will continue to require and incur
17 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
18 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
19 her injuries, and other injuries and damages to be proven at trial.
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22 126. Plaintiff Nathaniel Griggs is and was at all relevant times a citizen of the State of New
23 Jersey and domiciled in Elizabeth, New Jersey. Plaintiff Nathaniel Griggs purchased and ingested the
24 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2008. As a result of
25 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
26 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
27 to Plaintiff suffering severe damage to his kidneys, which resulted in a diagnosis of stage 4 chronic
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1 kidney disease. Plaintiff required and incurred and will continue to require and incur expenses in
2 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
3 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
4 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
5 to be proven at trial.
6

7 127. Plaintiff Nena Walby is and was at all relevant times a citizen of the State of Texas
8 and domiciled in Forney, Texas. Plaintiff Nena Walby purchased and ingested the following TDF
9 Drug for an FDA-approved use of the drug: Truvada beginning in 2007. As a result of Gilead's
10 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
11 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
12 suffering damage to her kidneys, which resulted in a diagnosis of stage 3 chronic kidney disease.
13 Plaintiff Nena Walby required and incurred and will continue to require and incur expenses in
14 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
15 continue to endure suffering, mental anguish, and loss of enjoyment of life as a result of her injuries,
16 has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages to be
17 proven at trial.
18

19 128. Plaintiff Paige Morgan is and was at all relevant times a citizen of the Commonwealth
20 of Pennsylvania and domiciled in Youngwood, Pennsylvania. Plaintiff Paige Morgan purchased and
21 ingested the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2011.
22 As a result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested
23 and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
24 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
25 osteoporosis. Plaintiff Paige Morgan required and incurred and will continue to require and incur
26 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
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1 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
2 her injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
3 damages to be proven at trial.

4 129. Plaintiff Ransom David Fields is and was at all relevant times a citizen of the State of
5 Georgia and domiciled in Duluth, Georgia. Plaintiff Ransom David Fields purchased and ingested
6 the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2004. As a
7 result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and
8 was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
9 contributed to Plaintiff suffering high creatinine levels. Plaintiff's ingestion of the TDF Drug also
10 caused and/or contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis
11 of osteoporosis. Plaintiff Ransom David Fields required and incurred and will continue to require
12 and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff has
13 endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as
14 a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries
15 and damages to be proven at trial.

16 130. Plaintiff Raquel Carmona is and was at all relevant times a citizen of the
17 Commonwealth of Pennsylvania and domiciled in Philadelphia, Pennsylvania. Plaintiff Raquel
18 Carmona purchased and ingested the following TDF Drugs for an FDA-approved use of the drugs:
19 Atripla, Truvada, and Complera beginning in 2009. As a result of Gilead's wrongful conduct with
20 respect to the defective TDF Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs.
21 Plaintiff's ingestion of the TDF Drugs caused and/or contributed to Plaintiff suffering bone density
22 loss, which resulted in a diagnosis of osteoporosis and fractures to Plaintiff's toes. Plaintiff required
23 and incurred and will continue to require and incur expenses in connection with medical treatment as
24 a result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
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1 anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost earnings and/or a
2 loss of earning capacity, and other injuries and damages to be proven at trial.

3 131. Plaintiff Raymond M. Parker, Jr., is and was at all relevant times a citizen of the State
4 of New York and domiciled in Brooklyn, New York. Plaintiff Raymond M. Parker, Jr., purchased
5 and ingested the following TDF Drug for an FDA-approved use of the drug: Viread beginning in
6 2001. As a result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff
7 ingested and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused
8 and/or contributed to Plaintiff suffering stage 4 chronic kidney disease and undergoing dialysis.
9 Plaintiff required and incurred and will continue to require and incur expenses in connection with
10 medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
11 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
12 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
13

14 132. Plaintiff Raymond Okeefe is and was at all relevant times a citizen of the State of
15 Mississippi and domiciled in Pearl, Mississippi. Plaintiff Raymond Okeefe purchased and ingested
16 the following TDF Drug for an FDA-approved use of the drug: Stribild beginning in 2012. As a
17 result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and
18 was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
19 contributed to Plaintiff suffering bone density loss, which resulted in the diagnosis of osteopenia.
20 Plaintiff required and incurred and will continue to require and incur expenses in connection with
21 medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
22 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
23 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
24

25 133. Plaintiff Reachelian T. Ellison is and was at all relevant times a citizen of the State of
26 Texas and domiciled in Houston, Texas. Plaintiff Reachelian T. Ellison purchased and ingested the
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1 following TDF Drugs for an FDA-approved use of the drugs: Truvada and Atripla beginning in
2 2004. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
3 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
4 and/or contributed to Plaintiff suffering stage 4 chronic kidney disease. Plaintiff required and
5 incurred and will continue to require and incur expenses in connection with medical treatment as a
6 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
7 anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost earnings and/or a
8 loss of earning capacity, and other injuries and damages to be proven at trial.
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10 134. Plaintiff Renee Thompson is and was at all relevant times a citizen of the State of
11 New Jersey and domiciled in Irvington, New Jersey. Plaintiff Renee Thompson purchased and
12 ingested the following TDF Drugs for an FDA-approved use of the drugs: Truvada and Stribild
13 beginning in 2009. As a result of Gilead's wrongful conduct with respect to the defective TDF
14 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
15 TDF Drugs caused and/or contributed to Plaintiff suffering bone demineralization. Plaintiff required
16 and incurred and will continue to require and incur expenses in connection with medical treatment as
17 a result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
18 anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost earnings and/or a
19 loss of earning capacity, and other injuries and damages to be proven at trial.
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21 135. Plaintiff Rita Davis is and was at all relevant times a citizen of the State of New
22 Jersey and domiciled in Millville, New Jersey. Plaintiff Rita Davis purchased and ingested the
23 following TDF Drugs for an FDA-approved use of the drugs: Viread, Truvada, and Stribild
24 beginning in 2001. As a result of Gilead's wrongful conduct with respect to the defective TDF
25 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
26 TDF Drugs caused and/or contributed to Plaintiff suffering bone demineralization, which resulted in
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1 a diagnosis of osteopenia. Plaintiff required and incurred and will continue to require and incur
2 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
3 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
4 her injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
5 damages to be proven at trial.
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7 136. Plaintiff Glen Vaughn is and was at all relevant times a citizen of the State of Texas
8 and domiciled in Athens, Texas. Plaintiff Glen Vaughn purchased and ingested the following TDF
9 Drugs for an FDA-approved use of the drugs: Viread, Complera, and Truvada beginning in 2001. As
10 a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and
11 was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
12 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis
13 and fractures to his ankle and leg. Plaintiff required and incurred and will continue to require and
14 incur expenses in connection with medical treatment as a result of these injuries, including surgery
15 and physical therapy. Plaintiff has endured and will continue to endure pain, suffering, mental
16 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
17 loss of earning capacity, and other injuries and damages to be proven at trial.
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19 137. Plaintiff Robert Martin McCormack is and was at all relevant times a citizen of the
20 State of Texas and domiciled in Dallas, Texas. Plaintiff Robert Martin McCormack purchased and
21 ingested the following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada
22 beginning in 2001. As a result of Gilead's wrongful conduct with respect to the defective TDF
23 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
24 TDF Drugs caused and/or contributed to Plaintiff suffering bone demineralization, which resulted in
25 a diagnosis of osteoporosis. Plaintiff required and incurred and will continue to require and incur
26 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
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1 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
2 his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
3 damages to be proven at trial.

4 138. Plaintiff Robert Paul Cochran is and was at all relevant times a citizen of the State of
5 Texas and domiciled in Dallas, Texas. Plaintiff Robert Paul Cochran purchased and ingested the
6 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2007. As a result of
7 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
8 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
9 to Plaintiff suffering kidney failure. Plaintiff's ingestion of the TDF Drug also caused and/or
10 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
11 osteoporosis. Plaintiff required and incurred and will continue to require and incur expenses in
12 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
13 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
14 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
15 to be proven at trial.

16 139. Plaintiff Robert Perosa is and was at all relevant times a citizen of the State of Illinois
17 and domiciled in Chicago, Illinois. Plaintiff Robert Perosa purchased and ingested the following
18 TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2006. As a result of Gilead's
19 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
20 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
21 suffering bone demineralization and a fracture to Plaintiff's arm. Plaintiff required and incurred and
22 will continue to require and incur expenses in connection with medical treatment as a result of these
23 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
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1 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
2 capacity, and other injuries and damages to be proven at trial.

3 140. Plaintiff Rose Lane is and was at all relevant times a citizen of the State of
4 Washington and domiciled in Yelm, Washington. Plaintiff Rose Lane purchased and ingested the
5 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2009. As a result
6 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
7 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
8 to Plaintiff suffering acute kidney injury, stage 3 chronic kidney disease, and Fanconi Syndrome,
9 requiring hospitalization. Plaintiff's ingestion of the TDF Drug also caused and/or contributed to
10 Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteopenia. Plaintiff Rose
11 Lane required and incurred and will continue to require and incur expenses in connection with
12 medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
13 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
14 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

17 141. Plaintiff Roy Washington is and was at all relevant times a citizen of the State of
18 Texas and domiciled in Houston, Texas. Plaintiff Roy Washington purchased and ingested the
19 following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada beginning in 2001.
20 As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested
21 and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
22 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
23 osteoporosis. Plaintiff Roy Washington required and incurred and will continue to require and incur
24 expenses in connection with medical treatment as a result of these injuries, including surgery and
25 physical therapy. Plaintiff Roy Washington has endured and will continue to endure pain, suffering,
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1 mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings
2 and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

3 142. Plaintiff Ruben Alvarado is and was at all relevant times a citizen of the State of
4 Illinois and domiciled in Lisle, Illinois. Plaintiff Ruben Alvarado purchased and ingested the
5 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2012. As a result
6 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
7 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
8 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff
9 Ruben Alvarado required and incurred and will continue to require and incur expenses in connection
10 with medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure
11 pain, suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered
12 lost earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
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15 143. Plaintiff Russell Grooms is and was at all relevant times a citizen of the State of
16 Indiana and domiciled in Muncie, Indiana. Plaintiff Russell Grooms purchased and ingested the
17 following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada beginning in 2001.
18 As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested
19 and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
20 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis
21 as well as multiple fractures. Plaintiff required and incurred and will continue to require and incur
22 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
23 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
24 his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
25 damages to be proven at trial.
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1 144. Plaintiff Russell Nemitz is and was at all relevant times a citizen of the State of Texas
2 and domiciled in Houston, Texas. Plaintiff Russell Nemitz purchased and ingested the following
3 TDF Drugs for an FDA-approved use of the drugs: Viread, Truvada, and Atripla beginning in 2003.
4 As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested
5 and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
6 contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
7 osteoporosis. Plaintiff Russell Nemitz required and incurred and will continue to require and incur
8 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
9 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
10 his injuries, and other injuries and damages to be proven at trial.
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12 145. Plaintiff Sam Rogers Gilkey is and was at all relevant times a citizen of the State of
13 Mississippi and domiciled in Macon, Mississippi. Plaintiff Sam Rogers Gilkey purchased and
14 ingested the following TDF Drugs for an FDA-approved use of the drugs: Viread and Atripla
15 beginning in 2008. As a result of Gilead's wrongful conduct with respect to the defective TDF
16 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
17 TDF Drugs caused and/or contributed to Plaintiff suffering acute renal failure. Plaintiff required and
18 incurred and will continue to require and incur expenses in connection with medical treatment as a
19 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
20 anguish, and loss of enjoyment of life as a result of his injuries, and other injuries and damages to be
21 proven at trial.
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23 146. Plaintiff Samuel McIntosh is and was at all relevant times a citizen of the State of
24 Alabama and domiciled in Demopolis, Alabama. Plaintiff Samuel McIntosh purchased and ingested
25 the following TDF Drugs for an FDA-approved use of the drugs: Atripla, Truvada, and Viread
26 beginning in 2008. As a result of Gilead's wrongful conduct with respect to the defective TDF
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1 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
2 TDF Drugs caused and/or contributed to Plaintiff suffering low kidney function. Plaintiff's ingestion
3 of the TDF Drugs also caused and/or contributed to Plaintiff suffering bone demineralization, which
4 resulted in a diagnosis of bone density loss. Plaintiff required and incurred and will continue to
5 require and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff
6 has endured and will continue to endure pain, suffering, mental anguish, and loss of enjoyment of
7 life as a result of his injuries, has suffered lost earnings and/or a loss of earning capacity, and other
8 injuries and damages to be proven at trial.
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10 147. Plaintiff Sarah Rentschler is and was at all relevant times a citizen of the State of
11 Florida and domiciled in Tamarac, Florida. Plaintiff Sarah Rentschler purchased and ingested the
12 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2013. As a result
13 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
14 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
15 to Plaintiff suffering low kidney functionality. Plaintiff's ingestion of the TDF Drug also caused
16 and/or contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
17 osteopenia and fractures to Plaintiff's wrist, ankle, foot and toes. Plaintiff required and incurred and
18 will continue to require and incur expenses in connection with medical treatment as a result of these
19 injuries, including surgery and physical therapy. Plaintiff has endured and will continue to endure
20 pain, suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered
21 lost earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
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24 148. Plaintiff Seth Hopkins is and was at all relevant times a citizen of the State of Texas
25 and domiciled in Houston, Texas. Plaintiff Seth Hopkins purchased and ingested the following TDF
26 Drug for an FDA-approved use of the drug: Truvada beginning in 2004. As a result of Gilead's
27 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
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1 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
2 suffering end-stage renal disease requiring dialysis treatments. Plaintiff required and incurred and
3 will continue to require and incur expenses in connection with medical treatment as a result of these
4 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
5 enjoyment of life as a result of his injuries, and other injuries and damages to be proven at trial.
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7 149. Plaintiff Shannon Jones is and was at all relevant times a citizen of the State of
8 Alabama and domiciled in Mobile, Alabama. Plaintiff Shannon Jones purchased and ingested the
9 following TDF Drugs for an FDA-approved use of the drugs: Truvada and Atripla beginning in
10 2004. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
11 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
12 and/or contributed to Plaintiff suffering decreased kidney function. Plaintiff's ingestion of the TDF
13 Drugs also caused and/or contributed to Plaintiff suffering bone demineralization, which resulted in a
14 diagnosis of weakening of the bones and fractures to Plaintiff's knee and shoulder. Plaintiff required
15 and incurred and will continue to require and incur expenses in connection with medical treatment as
16 a result of these injuries, including surgery and physical therapy. Plaintiff has endured and will
17 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of her
18 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
19 to be proven at trial.
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22 150. Plaintiff Shannon Tyrone Woods is and was at all relevant times a citizen of the State
23 of Texas and domiciled in Cleveland, Texas. Plaintiff Shannon Tyrone Woods purchased and
24 ingested the following TDF Drugs for an FDA-approved use of the drugs: Truvada and Atripla
25 beginning in 2008. As a result of Gilead's wrongful conduct with respect to the defective TDF
26 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
27 TDF Drugs caused and/or contributed to Plaintiff suffering bone demineralization, which resulted in
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1 a diagnosis of osteoporosis. Plaintiff Shannon Tyrone Woods required and incurred and will continue
2 to require and incur expenses in connection with medical treatment as a result of these injuries.
3 Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
4 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
5 capacity, and other injuries and damages to be proven at trial.
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7 151. Plaintiff Sharon Evans is and was at all relevant times a citizen of the State of Florida
8 and domiciled in Miami, Florida. Plaintiff Sharon Evans purchased and ingested the following TDF
9 Drug for an FDA-approved use of the drug: Truvada beginning in 2009. As a result of Gilead's
10 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
11 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
12 suffering kidney failure requiring dialysis treatments. Plaintiff required and incurred and will
13 continue to require and incur expenses in connection with medical treatment as a result of these
14 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
15 enjoyment of life as a result of her injuries, has suffered lost earnings and/or a loss of earning
16 capacity, and other injuries and damages to be proven at trial.
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18 152. Plaintiff Shelae Monae is and was at all relevant times a citizen of the State of Illinois
19 and domiciled in Loves Park, Illinois. Plaintiff Shelae Monae purchased and ingested the following
20 TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2011. As a result of Gilead's
21 wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was injured by the
22 foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed to Plaintiff
23 suffering acute renal failure. Plaintiff required and incurred and will continue to require and incur
24 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
25 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
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1 her injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
2 damages to be proven at trial.

3 153. Plaintiff Shelia Johnson is and was at all relevant times a citizen of the State of
4 Tennessee and domiciled in Knoxville, Tennessee. Plaintiff Shelia Johnson purchased and ingested
5 the following TDF Drug for an FDA-approved use of the drug: Viread beginning in 2002. As a result
6 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
7 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
8 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff
9 required and incurred and will continue to require and incur expenses in connection with medical
10 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
11 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
12 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
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14 154. Plaintiff Shirley Marshall is and was at all relevant times a citizen of the State of
15 Mississippi and domiciled in Jackson, Mississippi. Plaintiff Shirley Marshall purchased and ingested
16 the following TDF Drugs for an FDA-approved use of the drugs: Truvada and Atripla beginning in
17 2004. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
18 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
19 and/or contributed to Plaintiff suffering bone demineralization, which resulted in a diagnosis of
20 osteopenia. Plaintiff's ingestion of the TDF Drugs also caused and/or contributed to Plaintiff
21 suffering stage 3 chronic kidney disease. Plaintiff required and incurred and will continue to require
22 and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff Shirley
23 Marshall has endured and will continue to endure pain, suffering, mental anguish, and loss of
24 enjoyment of life as a result of her injuries, has suffered lost earnings and/or a loss of earning
25 capacity, and other injuries and damages to be proven at trial.
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1 155. Plaintiff Shirley Wilkinson is and was at all relevant times a citizen of the State of
2 Georgia and domiciled in LaGrange, Georgia. Plaintiff Shirley Wilkinson purchased and ingested the
3 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2006. As a result of
4 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
5 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
6 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of weakening of the bones
7 and a fracture to Plaintiff's hand. Plaintiff required and incurred and will continue to require and
8 incur expenses in connection with medical treatment as a result of these injuries, including surgery
9 and physical therapy. Plaintiff has endured and will continue to endure pain, suffering, mental
10 anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost earnings and/or a
11 loss of earning capacity, and other injuries and damages to be proven at trial.
12

13 156. Plaintiff Stuart Addison Thomas is and was at all relevant times a citizen of the State
14 of Florida and domiciled in Miami, Florida. Plaintiff Stuart Addison Thomas purchased and ingested
15 the following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2009. As a result
16 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
17 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
18 to Plaintiff suffering kidney failure requiring dialysis treatments. Plaintiff required and incurred and
19 will continue to require and incur expenses in connection with medical treatment as a result of these
20 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
21 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
22 capacity, and other injuries and damages to be proven at trial.
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24 157. Plaintiff Suzann Delores Wolfe is and was at all relevant times a citizen of the
25 Commonwealth of Kentucky and domiciled in Louisville, Kentucky. Plaintiff Suzann Delores Wolfe
26 purchased and ingested the following TDF Drug for an FDA-approved use of the drug: Atripla
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1 beginning in 2009. As a result of Gilead's wrongful conduct with respect to the defective TDF Drug,
2 Plaintiff ingested and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug
3 caused and/or contributed to Plaintiff suffering stage 3 chronic kidney disease. Plaintiff required and
4 incurred and will continue to require and incur expenses in connection with medical treatment as a
5 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
6 anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost earnings and/or a
7 loss of earning capacity, and other injuries and damages to be proven at trial.
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9 158. Plaintiff Tarell Cole is and was at all relevant times a citizen of the State of Alabama
10 and domiciled in Brighton, Alabama. Plaintiff Tarell Cole purchased and ingested the following TDF
11 Drugs for an FDA-approved use of the drugs: Atripla and Truvada beginning in 2007. As a result of
12 Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff ingested and was
13 injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused and/or
14 contributed to Plaintiff suffering damage to his kidneys, which resulted in a diagnosis of chronic
15 kidney disease. Plaintiff required and incurred and will continue to require and incur expenses in
16 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
17 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
18 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
19 to be proven at trial.
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21 159. Plaintiff Terrace Dwaine Sharp is and was at all relevant times a citizen of the State of
22 Georgia and domiciled in Stone Mountain, Georgia. Plaintiff Terrace Dwaine Sharp purchased and
23 ingested the following TDF Drugs for an FDA-approved use of the drugs: Truvada and Atripla
24 beginning in 2004. As a result of Gilead's wrongful conduct with respect to the defective TDF
25 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
26 TDF Drugs caused and/or contributed to Plaintiff suffering decreased kidney functionality. Plaintiff's
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1 ingestion of the TDF Drugs also caused and/or contributed to Plaintiff suffering bone
2 demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff required and incurred and
3 will continue to require and incur expenses in connection with medical treatment as a result of these
4 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
5 enjoyment of life as a result of his injuries, has suffered lost earnings and/or a loss of earning
6 capacity, and other injuries and damages to be proven at trial.
7

8 160. Plaintiff Terris Peeler is and was at all relevant times a citizen of the State of
9 Washington and domiciled in Seattle, Washington. Plaintiff Terris Peeler purchased and ingested the
10 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2008. As a result of
11 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
12 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
13 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteoporosis. Plaintiff
14 required and incurred and will continue to require and incur expenses in connection with medical
15 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
16 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
17 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
18

19 161. Plaintiff Terry Smith-Flores is and was at all relevant times a citizen of the State of
20 New Jersey and domiciled in Camden, New Jersey. Plaintiff Terry Smith-Flores purchased and
21 ingested the following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2010.
22 As a result of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested
23 and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or
24 contributed to Plaintiff suffering bone density loss, which resulted in a diagnosis of osteoporosis and
25 fractures to Plaintiff's foot, vertebrae, and ribs. Plaintiff required and incurred and will continue to
26 require and incur expenses in connection with medical treatment as a result of these injuries. Plaintiff
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1 has endured and will continue to endure pain, suffering, mental anguish, loss of enjoyment of life as
2 a result of her injuries, and has suffered other injuries and damages to be proven at trial.

3 162. Plaintiff Trenard Johnson is and was at all relevant times a citizen of the State of
4 Mississippi and domiciled in Shubuta, Mississippi. Plaintiff Trenard Johnson purchased and ingested
5 the following TDF Drugs for an FDA-approved use of the drugs: Truvada and Atripla beginning in
6 2009. As a result of Gilead's wrongful conduct with respect to the defective TDF Drugs, Plaintiff
7 ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the TDF Drugs caused
8 and/or contributed to Plaintiff suffering stage 5 chronic kidney disease requiring dialysis treatments.
9 Plaintiff required and incurred and will continue to require and incur expenses in connection with
10 medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
11 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
12 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
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14 163. Plaintiff Tyrone D. Johnson is and was at all relevant times a citizen of the State of
15 Ohio and domiciled in Cleveland, Ohio. Plaintiff Tyrone D. Johnson purchased and ingested the
16 following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2006. As a result of
17 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
18 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
19 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of weakening of the bones.
20 Plaintiff Tyrone D. Johnson required and incurred and will continue to require and incur expenses in
21 connection with medical treatment as a result of these injuries. Plaintiff has endured and will
22 continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of his
23 injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and damages
24 to be proven at trial.
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1 164. Plaintiff Tyrone Harris is and was at all relevant times a citizen of the State of New
2 York and domiciled in Brooklyn, New York. Plaintiff Tyrone Harris purchased and ingested the
3 following TDF Drug for an FDA-approved use of the drug: Viread beginning in 2006. As a result of
4 Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
5 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
6 to Plaintiff suffering chronic kidney disease requiring dialysis treatments. Plaintiff required and
7 incurred and will continue to require and incur expenses in connection with medical treatment as a
8 result of these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental
9 anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost earnings and/or a
10 loss of earning capacity, and other injuries and damages to be proven at trial.
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12 165. Plaintiff Vennica Barnes is and was at all relevant times a citizen of the State of New
13 Jersey and domiciled in Lindenwold, New Jersey. Plaintiff Vennica Barnes purchased and ingested
14 the following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2006. As a result
15 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
16 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
17 to Plaintiff's suffering bone demineralization, which resulted in a diagnosis of osteoporosis and
18 fractures to Plaintiff's knees. Plaintiff required and incurred and will continue to require and incur
19 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
20 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
21 her injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
22 damages to be proven at trial.
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25 166. Plaintiff Vickey Lynn Boyles is and was at all relevant times a citizen of the State of
26 Georgia and domiciled in Atlanta, Georgia. Plaintiff Vickey Lynn Boyles purchased and ingested the
27 following TDF Drug for an FDA-approved use of the drug: Truvada beginning in 2009. As a result
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1 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
2 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
3 to Plaintiff suffering bone demineralization, which resulted in the diagnosis of osteopenia. Plaintiff
4 required and incurred and will continue to require and incur expenses in connection with medical
5 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
6 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
7 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
8

9 167. Plaintiff Vickie Roller is and was at all relevant times a citizen of the State of
10 Louisiana and domiciled in Lake Charles, Louisiana. Plaintiff Vickie Roller purchased and ingested
11 the following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2013. As a result
12 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
13 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
14 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of osteopenia. Plaintiff
15 required and incurred and will continue to require and incur expenses in connection with medical
16 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
17 suffering, mental anguish, and loss of enjoyment of life as a result of her injuries, has suffered lost
18 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.
19

20 168. Plaintiff Walter Lee Guyton III is and was at all relevant times a citizen of the State of
21 Georgia and domiciled in Macon, Georgia. Plaintiff Walter Lee Guyton III purchased and ingested
22 the following TDF Drug for an FDA-approved use of the drug: Atripla beginning in 2008. As a result
23 of Gilead's wrongful conduct with respect to the defective TDF Drug, Plaintiff ingested and was
24 injured by the foregoing TDF Drug. Plaintiff's ingestion of the TDF Drug caused and/or contributed
25 to Plaintiff suffering bone demineralization, which resulted in a diagnosis of weakening of the bones.
26 Plaintiff required and incurred and will continue to require and incur expenses in connection with
27
28

1 medical treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
2 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
3 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

4 169. Plaintiff William H. Chastang is and was at all relevant times a citizen of the State of
5 Alabama and domiciled in Mobile, Alabama. Plaintiff William H. Chastang purchased and ingested
6 the following TDF Drugs for an FDA-approved use of the drugs: Truvada, Atripla, and Viread
7 beginning in 2005. As a result of Gilead's wrongful conduct with respect to the defective TDF
8 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
9 TDF Drugs caused and/or contributed to Plaintiff suffering stage 4 chronic kidney disease. Plaintiff
10 required and incurred and will continue to require and incur expenses in connection with medical
11 treatment as a result of these injuries. Plaintiff has endured and will continue to endure pain,
12 suffering, mental anguish, and loss of enjoyment of life as a result of his injuries, has suffered lost
13 earnings and/or a loss of earning capacity, and other injuries and damages to be proven at trial.

14 170. Plaintiff William J. Doepper is and was at all relevant times a citizen of the State of
15 New York and domiciled in Long Beach, New York. Plaintiff William J. Doepper purchased and
16 ingested the following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada
17 beginning in 2005. As a result of Gilead's wrongful conduct with respect to the defective TDF
18 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
19 TDF Drugs caused and/or contributed to Plaintiff suffering severe kidney dysfunction and extensive
20 damage to his kidneys, which resulted in a diagnosis of end stage renal disease with kidney failure
21 while requiring hospitalization and dialysis treatments. Plaintiff required and incurred and will
22 continue to require and incur expenses in connection with medical treatment as a result of these
23 injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and loss of
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1 enjoyment of life as a result of his injuries, and has suffered other injuries and damages to be proven
2 at trial.

3 171. Plaintiff Willie Nathaniel Carrigan is and was at all relevant times a citizen of the
4 Commonwealth of Kentucky and domiciled in Lexington, Kentucky. Plaintiff Willie Nathaniel
5 Carrigan purchased and ingested the following TDF Drug for an FDA-approved use of the drug:
6 Truvada beginning in 2011. As a result of Gilead's wrongful conduct with respect to the defective
7 TDF Drug, Plaintiff ingested and was injured by the foregoing TDF Drug. Plaintiff's ingestion of the
8 TDF Drug caused and/or contributed to Plaintiff suffering bone demineralization, which resulted in a
9 diagnosis of osteopenia. Plaintiff required and incurred and will continue to require and incur
10 expenses in connection with medical treatment as a result of these injuries. Plaintiff has endured and
11 will continue to endure pain, suffering, mental anguish, and loss of enjoyment of life as a result of
12 his injuries, has suffered lost earnings and/or a loss of earning capacity, and other injuries and
13 damages to be proven at trial.
14

15
16 172. Plaintiff Yolanda Laster is and was at all relevant times a citizen of the State of
17 Mississippi and domiciled in Hattiesburg, Mississippi. Plaintiff Yolanda Laster purchased and
18 ingested the following TDF Drugs for an FDA-approved use of the drugs: Viread and Truvada
19 beginning in 2001. As a result of Gilead's wrongful conduct with respect to the defective TDF
20 Drugs, Plaintiff ingested and was injured by the foregoing TDF Drugs. Plaintiff's ingestion of the
21 TDF Drugs caused and/or contributed to Plaintiff suffering bone demineralization, which resulted in
22 a diagnosis of osteopenia and fractures to Plaintiff's finger and leg. Plaintiff required and incurred
23 and will continue to require and incur expenses in connection with medical treatment as a result of
24 these injuries. Plaintiff has endured and will continue to endure pain, suffering, mental anguish, and
25 loss of enjoyment of life as a result of her injuries, has suffered lost earnings and/or a loss of earning
26 capacity, and other injuries and damages to be proven at trial.
27
28

173. Defendant Gilead Sciences, Inc. is a Delaware corporation with its principle place of business at 333 Lakeside Drive, Foster City, California. Gilead is a biopharmaceutical company that develops, manufactures, markets, and sells prescription medicine, including, but not limited to, Viread, Truvada, Atripla, Complera, Stribild, Genvoya, Odefsey, and Descovy. Gilead reported revenue of \$26.1 billion dollars in 2017 and has operations worldwide.

V. FACTUAL ALLEGATIONS

174. Gilead's "Company Overview" states: "With each new discovery and investigational new drug candidate, we seek to improve the care of patients living with life-threatening diseases around the world."³ It would more accurately state: We seek to improve the care of patients living with life-threatening diseases *only if and when it suits the company's financial needs*.

A. Background

1. Laws and regulations governing the approval and labeling of prescription drugs.

175. The Federal Food, Drug, and Cosmetic Act ("FDCA" or the "Act") requires manufacturers that develop a new drug product to file a New Drug Application ("NDA") in order to obtain approval from the Food and Drug Administration ("FDA") before selling the drug in interstate commerce. 21 U.S.C. § 355.

176. The NDA must include, among other things, data regarding the safety and effectiveness of the drug, information on any patents that purportedly cover the drug or a method of using the drug, and the labeling proposed to be used for the drug. 21 U.S.C. § 355(b).

177. Manufacturers with an approved NDA must review all adverse drug experience information obtained by or otherwise received by them from any source, including but not limited to postmarketing experience, reports in the scientific literature, and unpublished scientific papers. 21 C.F.R. § 314.80(b).

178. After FDA approval, manufacturers may only promote drugs in a manner consistent with the contents of the drug's FDA-approved label. 21 C.F.R. § 202.1. The FDA's Division of Drug

³ See, e.g., Gilead Sciences Company Overview, available at <http://www.gilead.com/~media/Files/pdfs/other/US%20Corporate%20Overview%20%20111014.pdf>.

1 Marketing, Advertising, and Communications monitors manufacturers' promotional activities and
2 enforces the FDCA and its implementing regulations to ensure compliance.

3 179. Under what is known as the Changes Being Effectuated ("CBE") regulation, a
4 manufacturer with an approved NDA can make certain changes to its label without prior FDA approval
5 by simply sending the FDA a "supplemental submission." 21 C.F.R. § 314.70(c)(6)(iii).

6 180. Changes to the labeling a manufacturer can make pursuant to CBE without prior FDA
7 approval include those to "add or strengthen a contraindication, warning, precaution, or adverse
8 reactions for which the evidence of causal association satisfies the standard for inclusion in the labeling
9 under § 201.57(c) of this chapter" and "to add or strengthen an instruction about dosage and
10 administration that is intended to increase the safe use of the drug product." 21 C.F.R.
11 § 314.70(c)(6)(iii)(A) and (C).

12 181. A manufacturer must revise its label "to include a warning about a clinically significant
13 hazard as soon as there is reasonable evidence of a causal association with a drug; a causal relationship
14 need not have been definitively established." 21 C.F.R. § 201.57(c)(6).

15 182. The warnings section of the label "must identify any laboratory tests helpful in
16 following the patient's response or in identifying possible adverse reactions. If appropriate,
17 information must be provided on such factors as the range of normal and abnormal values expected in
18 the particular situation and the recommended frequency with which tests should be performed before,
19 during, and after therapy." *Id.* § 201.57(c)(6)(iii). According to an FDA Guidance for Industry on the
20 warnings and precautions section of the labeling, "[i]nformation about the frequency of testing and
21 expected ranges of normal and abnormal values should also be provided if available."⁴

22 183. Adverse reactions must be added to the label where there "is some basis to believe there
23 is a causal relationship between the drug and the occurrence of the adverse event." *Id.* § 201.57(c)(7).

24 184. An August 22, 2008 amendment to these regulations provides that a CBE supplement
25 to amend the labeling for an approved product must reflect "newly acquired information." 73 Fed.
26

27
28 ⁴ <https://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/UCM075096.pdf>.

1 Reg. 49,609. “Newly acquired information” is not limited to new data but also includes “new analysis
2 of previously submitted data.” “[I]f a sponsor submits adverse event information to FDA, and then
3 later conducts a new analysis of data showing risks of a different type or of greater severity or
4 frequency than did reports previously submitted to FDA, the sponsor meets the requirement for ‘newly
5 acquired information.’” *Id.* at 49,607.

6 185. Under the 1984 Hatch-Waxman Amendments to the Act, Congress sought to expedite
7 the entry of less expensive generic versions of brand name drugs by simplifying the generic approval
8 process. A generic manufacturer seeking to sell a generic version of a brand name drug may file an
9 Abbreviated New Drug Application (“ANDA”), which relies on the brand manufacturer’s safety and
10 efficacy data. The ANDA filer must demonstrate that its proposed generic product is therapeutically
11 equivalent to the brand name drug, meaning that it: (a) contains the same active ingredient(s), dosage
12 form, route of administration, and strength as the brand name drug; and (b) is bioequivalent to the
13 brand drug (i.e., the drugs exhibit the same rate and extent of absorption).

14 186. As a counter-balance to the abbreviated process for the approval of generic drugs,
15 Hatch-Waxman may grant brand manufacturers a period of market exclusivity upon approval of the
16 NDA. For example, Hatch-Waxman grants a five-year period of exclusivity (regardless of any patent
17 protection) to products containing chemical entities not previously approved by the FDA. Under this
18 five-year exclusivity, the FDA cannot even accept an ANDA to make a generic version of the drug for
19 four or five years from NDA approval (depending upon whether the generic asserted that the brand’s
20 patents were invalid or not infringed).

21 187. Hatch-Waxman also streamlined the process for brand manufacturers to attempt to
22 enforce their patents against potential infringement by generic manufacturers. If an ANDA contains a
23 certification that the patents the brand has listed in its NDA are invalid or will not be infringed by the
24 ANDA generic product (a “Paragraph IV certification”), the brand manufacturer can automatically
25 delay FDA approval of the generic drug by suing the generic manufacturer for patent infringement. If
26 the brand manufacturer brings a patent infringement action against the generic filer within 45 days of
27 receiving notification of the Paragraph IV certification, the FDA may not grant final approval to the
28 ANDA until the earlier of (a) the passage of two and a half years, or (b) the issuance of a court decision

1 that the patent is invalid or not infringed by the generic manufacturer's ANDA. 21 U.S.C.
2 § 355(j)(5)(B)(iii).

3 188. Generic drugs that are therapeutically equivalent to the brand name drug may be
4 automatically substituted for the brand at the pharmacy counter. Due to state automatic substitution
5 laws that permit or require generic substitution, once a generic version of a brand-name drug enters
6 the market, the generic quickly captures the vast majority of the brand's sales, often obtaining 80% or
7 more of unit sales within the first six months. On average, generics capture 90% of brand unit sales
8 within the first year of generic entry.

9 **2. Tenofovir and Gilead's TDF- and TAF- containing drug products indicated for**
10 **use in treating HIV.**

11 189. Tenofovir (chemical name, 9-(2-Phosphonomethoxypropyl)adenine ("PMPA")) is a
12 type of medicine called a nucleotide analog reverse transcriptase and HBV polymerase inhibitor
13 ("NRTI").

14 190. In order for HIV to infect a healthy human cell, the virus must convert its ribonucleic
15 acid ("RNA") based genome into a strand of complementary deoxyribonucleic acid ("DNA"). This
16 process of converting the virus's RNA into DNA is reverse transcription, and is performed by an
17 enzyme named reverse transcriptase. Reverse transcription occurs inside the human cell that the virus
18 is infecting.

19 191. NRTIs prevent the reverse transcriptase from converting its RNA into DNA, preventing
20 the infection of the cell and spread of HIV. In order for NRTIs to stop HIV from infecting a cell, the
21 drug must be absorbed into the cell and "activated" by the cell's biological machinery. The "activated"
22 form of tenofovir is known as tenofovir-diphosphate ("TFV-DP").

23 192. When used to treat HIV infection, tenofovir must be administered in combination with
24 other anti-HIV drugs, a practice known as "combination antiretroviral therapy" or "cART." By using
25 a combination of different classes of medications, physicians can customize treatment based on factors
26 including how much virus is in the patient's blood, the particular strain of the virus, and disease
27 symptoms. The aim of cART is to reduce the viral load—i.e., the amount of virus per unit of blood or
28 plasma, of patients to levels where commercial viral load tests cannot detect the presence of the virus

1 (generally a concentration of lower than 50 HIV-1 RNA copies per mL of plasma). A cART treatment
2 regimen can incorporate multiple standalone pills or a single pill coformulated with all drugs necessary
3 for the regimen.

4 193. Gilead did not discover tenofovir. Tenofovir was discovered in the mid-1980s by the
5 collaborative research efforts of scientists in Prague and Belgium. Although the anti-HIV properties
6 of tenofovir were promising, it had a significant downside. When tenofovir is administered by mouth,
7 very little of it is absorbed into the body.

8 194. Because an intravenous formulation had little sales potential, Gilead developed a
9 prodrug form of tenofovir that can be taken orally. Prodrugs are pharmacologically inactive
10 compounds that can be more efficiently absorbed into the bloodstream and then converted into the
11 active form of the drug within the body.

12 195. One prodrug of tenofovir is tenofovir disoproxil (chemical name,
13 bis(isopropoxyloxycarbonyloxymethyl)-PMPA or bis-POC PMPA). The fumaric salt of tenofovir
14 disoproxil is tenofovir disoproxil fumarate, commonly known as TDF.

15 196. While TDF is able to be taken by mouth, the proportion of tenofovir that enters the cells
16 is relatively low. In order to have the desired therapeutic effect, a high dose of TDF must be
17 administered. The standard dose of TDF for HIV treatment and prevention in adults is relatively
18 large—300 mg taken once a day. A general principle of toxicology is that the “dose makes the
19 poison”—i.e., larger doses are generally associated with higher rates of toxicity and adverse events.
20 Tenofovir is no different.

21 197. Gilead has received FDA approval for five TDF-based drugs for the treatment of HIV.

22 198. On October 26, 2001, the FDA approved Gilead’s NDA 21356 for Viread (300 mg
23 TDF) tablets for use in combination with other antiretroviral agents for the treatment of HIV-1
24 infection. Gilead submitted limited clinical data supporting approval of the drug. Gilead had not
25 completed Phase III clinical studies. Gilead excluded from its clinical trials people who had serious
26 preexisting kidney dysfunction. And Gilead only studied Viread in treatment-experienced patients
27 (those who had previously been treated for HIV). In 2008, the FDA approved an additional Viread
28 indication for the treatment of Chronic Hepatitis B.

1 199. On August 2, 2004, the FDA approved Gilead's NDA 21752 for Truvada tablets, which
2 is a combination product containing 300 mg TDF (i.e., Viread) and 200 mg emtricitabine, for use in
3 combination with other antiretroviral agents for the treatment of HIV-1 infection in adults. Neither of
4 the active ingredients in Truvada was new. The FDA approved the Truvada application based primarily
5 on data showing the fixed-dose combination drug was bioequivalent to its separate components. On
6 July 16, 2012, the FDA approved an additional indication for the use of Truvada in combination with
7 safer sex practices for pre-exposure prophylaxis (PrEP) to reduce the risk of sexually acquired HIV-1
8 in adults at high risk.

9 200. On July 12, 2006, the FDA approved Gilead's NDA 21937 for Atripla tablets, which is
10 a combination product containing 300 mg TDF, 200 mg emtricitabine, and 600 mg efavirenz, for use
11 alone as a complete regimen or in combination with other retroviral agents for the treatment of HIV-1
12 infection in adults. Gilead submitted no clinical data in support of NDA 21937. None of the active
13 ingredients in Atripla were new. Approval was based on a demonstration of bioequivalence between
14 the individual components and the fixed-dose combination.

15 201. On August 10, 2011, the FDA approved Gilead's NDA 202123 for Complera tablets,
16 which is a fixed dose combination product containing 300 mg TDF, 200 mg emtricitabine, and 25 mg
17 rilpivirine, for use as a complete regimen for the treatment of HIV-1 infection in treatment-naïve adults
18 (i.e., adults who had not been previously treated for HIV). None of the active ingredients in Complera
19 were new. Gilead submitted no new clinical safety or efficacy trials in connection with NDA 20123.
20 Approval was based on the results of bioequivalence studies comparing the combination product to
21 the individual component drugs. In addition, the primary focus of the FDA's safety and medical review
22 of the Complera NDA was on rilpivirine, since that drug was the most recently approved component
23 of the fixed dose combination Complera tablet.

24 202. On August 27, 2012, the FDA approved Gilead's NDA 203100 for Stribild, which is a
25 fixed dose combination product containing 300 mg TDF, 200 mg emtricitabine, 150 mg elvitegravir,
26 and 150 mg cobicistat, for use as a complete regimen for the treatment of HIV-1 infection in treatment-
27 naïve adults. Although elvitegravir and cobicistat had not been previously approved by the FDA, the
28

1 FDA gave Gilead's Stribild NDA a 10-month standard review because there were already multiple
2 regimens available for treatment naïve patients including one pill, once-a-day regimens.

3 203. Before the FDA approved Viread in 2001, Gilead had discovered another prodrug
4 version of tenofovir, which it originally called GS-7340 and which is now known as tenofovir
5 alafenamide fumarate ("TAF"). TDF and TAF are two prodrug versions of the same parent drug,
6 tenofovir, though TAF requires a dose more than ten times smaller than TDF to achieve the same
7 therapeutic effect.

8 204. TAF differs from TDF in its penetration into target cells. Unlike TDF, which is
9 converted into the parent drug tenofovir in the gastrointestinal tract, liver, and blood, TAF is not
10 converted into tenofovir until it has been absorbed by the cell. This allows TAF to be more efficiently
11 absorbed by "target cells"—i.e., cells that HIV infects or "targets"—compared to TDF. This more
12 efficient absorption allows TAF to achieve far greater intracellular concentrations of the activated drug
13 (tenofovir-diphosphate) in target cells than even a dramatically larger dose of TDF. This enhanced
14 efficiency in absorption leads to plasma concentrations of tenofovir that are 90% lower than TDF,
15 while still maintaining intracellular concentrations of activated drug in target cells that is the same or
16 higher than TDF. The lowered plasma concentrations of tenofovir found with TAF result in reduced
17 toxicity compared to TDF, making TAF safer to use than TDF.

18 205. On November 5, 2015, the FDA approved Gilead's first TAF-based design—NDA
19 207561 for Genvoya tablets, a fixed dose combination product which contains 10 mg TAF, 200 mg
20 emtricitabine, 150 mg elvitegravir, and 150 mg cobicistat. Genvoya is indicated for the treatment of
21 HIV-1 infection in adults and pediatric patients 12 years of age or older who have no antiretroviral
22 treatment history or to replace the current antiretroviral regimen in those who are virologically
23 suppressed (HIV-1 RNA less than 50 copies per mL) on a stable antiretroviral regimen for at least six
24 months with no history of treatment failure and no known substitutions associated with resistance to
25 the individual components of Genvoya. The TDF-based counterpart to Genvoya is Stribild. Genvoya
26 is identical to Stribild except for the substitution of TAF for TDF.

27 206. On March 1, 2016, the FDA approved Gilead's NDA 208351 for Odefsey tablets, which
28 is a combination product containing 25 mg TAF, 200 mg emtricitabine, and 25 mg rilpivirine, for use

1 as a complete regimen for the treatment of HIV-1 infection in patients 12 years of age and older as
2 initial therapy in those with no antiretroviral treatment history with HIV-1 RNA less than or equal to
3 100,000 copies per mL; or to replace a stable antiretroviral regimen in those who are virologically-
4 suppressed (HIV-1 RNA less than 50 copies per mL of blood or plasma) for at least six months with
5 no history of treatment failure and no known substitutions associated with resistance to the individual
6 components of Odefsey. The TDF-based counterpart to Odefsey is Complera. Odefsey is identical to
7 Complera except for the substitution of TAF for TDF.

8 207. On April 4, 2016, the FDA approved Gilead's NDA 208215 for Descovy tablets, which
9 is a fixed dose combination product containing 25 mg TAF and 200 mg emtricitabine, for use in
10 combination with other antiretroviral agents, for treatment of HIV-1 infection in adults and pediatric
11 patients 12 years of age or older. The TDF-based counterpart to Descovy is Truvada. Descovy is
12 identical to Truvada except for the substitution of TAF for TDF. On October 3, 2019, the FDA
13 approved an additional indication of Descovy for use in PrEP.

14 208. Upon information and belief, Gilead has not sought FDA approval of a standalone TAF
15 drug product for the treatment of HIV. Viread, therefore, has no TAF-based counterpart for the
16 treatment of HIV infection. Although the FDA approved Gilead's NDA 208464 for Vemlidy (300 mg
17 TAF) tablets on November 10, 2016, Gilead only sought approval to market Vemlidy for the treatment
18 of Hepatitis B infection in adults with compensated liver disease and thus cannot be marketed for the
19 treatment of HIV.

20 **B. Gilead knew before Viread was approved that TDF posed a significant safety risk.**

21 209. Before Gilead's first TDF product, Viread, received FDA approval in 2001, Gilead
22 knew that two of its other antiviral drugs that are structurally similar to tenofovir caused significant
23 kidney damage.

1 210. Tenofovir is a member of a class of molecules known as “acyclic nucleoside
2 phosphonates.” Two of Gilead’s other antiviral drugs—cidofovir and adefovir⁵—are also acyclic
3 nucleoside phosphonates.

4 211. Cidofovir injection, marketed as Vistide, was Gilead’s first commercial product. When
5 the FDA approved Vistide in 1996, it carried a black box warning stating that renal impairment is the
6 drug’s major toxicity and renal failure resulting in dialysis or contributing to death have occurred with
7 as few as one or two doses of Vistide.

8 212. In December 1999, Gilead abandoned development of NRTI prodrug adefovir
9 dipivoxil for the treatment of HIV after it proved so toxic to patients’ kidneys in the later stages of
10 Phase III clinical trials. In Gilead’s clinical trial GS-408, 59% of patients demonstrated severe kidney
11 toxicity after 72 weeks. One patient in the trial died due to multiorgan failure subsequent to kidney
12 failure. Based on this experience, Gilead knew that adefovir dipivoxil was associated with delayed
13 nephrotoxicity—meaning that its toxic effects might not be felt for some time after continued use.
14 Gilead would later develop and market adefovir dipivoxil as Hepsera for treatment of hepatitis B virus
15 infection. Critically, Gilead recognized that if it reduced the dose of adefovir dipivoxil from 120 mg—
16 as used in trial GS-408 for the treatment of HIV—to 10 mg (the dose in Hepsera), an effective dose
17 for hepatitis B virus treatment, the risk of nephrotoxicity is dramatically reduced.

18 213. Tenofovir has a nearly identical structure to adefovir, varying only by the presence of
19 a methyl group (i.e., a carbon atom bound to three hydrogen atoms) in tenofovir, which replaces a
20 hydrogen atom in adefovir. As Gilead recognized in its 10-K for the year ending December 31, 2000,
21 due to its experiences with nephrotoxicity in Phase III clinical trials of adefovir dipivoxil, delayed
22 toxicity issues similar to those experienced with adefovir dipivoxil could arise with TDF.

23 214. Gilead also knew that while prodrugs allow the drug to be efficiently absorbed into the
24 bloodstream and then converted into an active form within the body, the conversion of the TDF
25
26

27 ⁵ Like tenofovir, only a prodrug of adefovir—adefovir dipivoxil—can be effectively administered
28 orally.

1 prodrug into free tenofovir outside the cell, and the presence of high levels of free tenofovir in the
2 blood, endangers the kidneys.

3 215. The primary purpose of the kidney is to filter out toxins and waste products from the
4 blood, as well as help maintain the delicate balance of water, salts and other compounds in a person's
5 blood. The functional unit of the kidney is the nephron, a microscopic structure that consists of two
6 primary components: a renal "corpuscle" and a renal "tubule." On average, each kidney contains
7 hundreds of thousands to millions of nephrons.

8 216. The renal corpuscle is the component of the nephron that directly filters the blood.
9 Blood flows through a network of capillaries (small blood vessels) known as the glomerulus. The walls
10 of these capillaries work as a filter, allowing certain compounds, as well as water, to pass through. The
11 fluid that is filtered through the capillary walls in the glomerulus, known as the filtrate, is collected by
12 a structure known as Bowman's capsule. One of the ways kidney function is measured is by the rate
13 of blood that is filtered by the glomeruli. This is known as the glomerular filtration rate or "GFR."⁶

14 217. In Bowman's capsule, the filtrate is collected and drains into the other primary
15 component of the nephron, the tubule. Glomerular filtration is highly effective at removing many
16 toxins, but it also filters out many compounds, like water and electrolytes, that a person needs. In the
17 tubule, the cells lining the tubule put these crucial, non-toxic compounds back into the blood, as well
18 as filter out remaining toxins that glomerular filtration did not remove. After the filtrate exits the tubule,
19 it drains into the bladder. This processed filtrate is urine.

20 218. This system of filtering the blood is extremely important and delicate. TDF primarily
21 damages the nephron tubule, due to hyper-concentration of free tenofovir within the tubule cells of the
22

23 ⁶ GFR is not measured directly. Physicians typically estimate a patient's GFR by testing for serum
24 creatinine or by calculating creatinine clearance. Creatinine is a waste product that is produced by the
25 breakdown of muscle tissue and created at a relatively constant rate by the body. The kidneys filter
26 creatinine from the blood into the urine, and reabsorb almost none of it. If the kidney is damaged, the
27 ability of the body to remove creatinine from the blood can be reduced, resulting in high levels of
28 creatinine in the blood. Serum creatinine is the amount of creatinine in the blood. Creatinine clearance
is the rate at which the kidneys clear creatinine from the blood and is measured using the amount of
creatinine present in urine over 24 hours. As renal function goes down, creatinine clearance also goes
down.

1 nephron, which results in cell death or dysfunction. If the tubule cells are dysfunctional or dead, they
2 are unable or less able to perform the vital function of filtering waste and/or toxins and reabsorbing
3 beneficial compounds. Tubular injury can occur without a decline in a patient's glomerular filtration
4 rate. Physicians must monitor other markers of kidney function—those that assess tubule function
5 specifically, like serum phosphorus or urine glucose, to assess a patient's true kidney health.

6 219. Because tenofovir is renally eliminated, through glomerular filtration and proximal
7 tubular secretion, patients are exposed to an increased concentration of tenofovir as the kidneys
8 become damaged. Because exposure to an increased concentration of tenofovir increases toxicity,
9 patients' kidney function must be monitored to ensure that their kidneys remain healthy enough to
10 receive tenofovir.

11 220. Since scientists first synthesized TDF, studies have consistently shown that it could
12 cause significant kidney and bone damage. For example, an animal study published in 1999 showed
13 that high doses of tenofovir were associated with significant bone toxicity in both simian
14 immunodeficiency virus (SIV, the non-human primate version of HIV) infected and uninfected rhesus
15 macaques, with a quarter of the treated animals experiencing significant bone toxicity.

16 221. Gilead's preclinical studies of TDF showed that it could be toxic to kidneys and bones.
17 Preclinical animal studies of TDF showed evidence of renal toxicity and that TDF exposure caused
18 bone toxicity in the form of softening of the bones (osteomalacia) and reduced bone mineral density.
19 Nephrotoxicity in animal models was related to dose as well as to duration of therapy.

20 222. Gilead also knew that the relatively high dose of TDF needed to achieve the desired
21 therapeutic effect created a greater risk of toxic effects, and that bone and kidney toxicities were even
22 more likely with the long-term use of TDF which was needed to combat a disease with no known cure.

23 **C. Gilead's knowledge of TDF toxicity grew as patients' kidneys and bones were**
24 **damaged by the TDF Drugs.**

25 223. As soon as Gilead began marketing Viread, patients started experiencing the
26 nephrotoxic effects of TDF.

27 224. In November 2001, less than one month after Viread entered the market, the first
28 published case of TDF-associated acute renal failure occurred. Thereafter, additional reports of TDF-

1 associated kidney damage, including but not limited to Fanconi syndrome, renal failure, renal tubular
 2 dysfunction, and nephrogenic diabetes insipidus, began to appear in the medical literature. Many of
 3 those adverse events occurred in patients without preexisting kidney dysfunction.

4 225. Gilead was also seeing renal adverse events in its postmarketing safety data. In fact, the
 5 most common serious adverse events reported to Gilead were renal events, including renal failure,⁷
 6 Fanconi syndrome,⁸ and serum creatinine increase.

7 226. In the first two years Viread was on the market, 40% of Viread adverse events reports
 8 received by Gilead were related to the renal/urinary system. This included 49 cases of increased
 9 creatinine, 16 cases of hypophosphatemia,⁹ 42 cases of renal insufficiency, 51 cases of acute renal
 10 failure, 6 cases of chronic renal failure, and 32 cases of Fanconi syndrome. These numbers are far less
 11 than the true incidence of kidney damage experienced by Viread patients during this timeframe because
 12 postmarketing adverse events are underreported.

13 227. Gilead had to update its Viread labeling at least four times to describe the kidney
 14 damage patients experienced when taking TDF:

- 15 a. On December 2, 2002, Gilead added that patients had suffered renal
 16 impairment, including increased creatinine, renal insufficiency, kidney failure,
 and Fanconi syndrome, with Viread use;
- 17 b. On October 14, 2003, Gilead added more kidney disorders, including acute
 18 renal failure, proximal tubulopathy,¹⁰ and acute tubular necrosis;¹¹

21
 22 ⁷ When the kidney cannot filter the blood normally, a patient is usually diagnosed with “renal
 failure.”

23 ⁸ If damage to the tubule prevents the reabsorption of beneficial molecules from filtrate, the levels
 24 of these beneficial compounds can become dangerously low in the blood. This is known as Fanconi
 syndrome.

25 ⁹ Hypophosphatemia is a low level of phosphorus in the blood, which can indicate that the ability
 26 of the nephron tubule to reabsorb phosphorus from the filtrate is damaged.

27 ¹⁰ Proximal tubulopathy refers to damage or dysfunction to the portion of the nephron tubule that
 is closest to Bowman’s capsule.

28 ¹¹ Acute tubular necrosis refers to the death of the cells that line the nephron tubule. This is
 associated with loss of kidney function.

1 c. On May 12, 2005, Gilead added nephrogenic diabetes insipidus;¹² and

2 d. On March 8, 2006, Gilead added polyuria¹³ and nephritis¹⁴ to the list of renal
3 and urinary disorders that patients had experienced while on TDF.

4 As Gilead knew, injuries were not limited to patients with a history of renal dysfunction or other risk
5 factors.

6 228. Gilead's long-term clinical data also demonstrated that TDF was damaging patients'
7 bones. 48-week data showed greater decreases from baseline in bone mineral density at the lumbar
8 spine and hip in patients taking Viread compared to those receiving other HIV drugs. At 144 weeks,
9 there was a significantly greater decrease from baseline in bone mineral density at the lumbar spine in
10 patients taking Viread compared to those receiving other HIV drugs, as well as significant increases
11 in biochemical markers of bone turnover in patients taking Viread. And once Gilead began conducting
12 clinical trials with Viread in adolescent and pediatric patients, the effects of TDF on adolescent and
13 pediatric patients' bones were similar to the effects seen with adult patients.

14 229. After Gilead brought Truvada to market, the medical literature continued to identify
15 cases of TDF-associated kidney damage, including in patients without preexisting renal dysfunction
16 or co-administration with another nephrotoxic drug.

17 230. Several new studies presented at the February 2006 Conference on Retroviruses and
18 Opportunistic Infections ("CROI") highlighted the frequency of nephrotoxicity in TDF-treated
19 patients. In one study, CDC investigators analyzed longitudinal data from 11,362 HIV-infected
20 patients, all of whom had GFR > 90mL/min at baseline, and found that treatment with TDF was
21 significantly associated with mild and moderate renal insufficiency. In another, observational study of
22 497 patients initiating TDF treatment, 17.5% developed renal dysfunction. The most severe declines
23 in renal function were associated with TDF treatment as part of a boosted regimen.

24
25
26 ¹² Nephrogenic diabetes insipidus refers to a condition characterized by the production of a large
27 amount of dilute urine as a result of kidney dysfunction. It is thought to be related to damage to the
nephron tubule.

28 ¹³ Polyuria refers to the excessive production of urine.

¹⁴ Nephritis refers to the inflammation of the kidneys.

1 231. In 2007, Gilead scientists published an article discussing the company's knowledge of
2 TDF safety issues over the first four years of TDF treatment. Gilead reported that 0.5% of patients
3 enrolled in a global expanded access program experienced a serious renal adverse event, including
4 acute and chronic renal failure and Fanconi syndrome. A "serious" adverse event meant one resulting
5 in hospitalization or prolongation of hospitalization, death, disability, or requiring medical intervention
6 to prevent permanent impairment. Gilead also reported that through April 2005 the most common
7 serious adverse events reported to Gilead's postmarketing safety database were renal events, including
8 renal failure, Fanconi syndrome, and serum creatinine increase.

9 232. Although this Gilead article demonstrates the company's clear and early knowledge of
10 serious TDF toxicity in a significant number of patients, it downplayed the incidence of TDF-
11 associated renal toxicity. In its Medical Review of the Stribild NDA in 2012, the FDA noted the
12 limitations of Gilead's data, including the short duration of treatment, the voluntary nature of adverse
13 event reporting in some countries, and the fact that Gilead only assessed serious adverse events, and
14 not renal events leading to drug discontinuation or non-serious renal adverse events. According to the
15 FDA, any of these factors may have led to an underestimation of the true incidence of renal events of
16 interest. The FDA similarly questioned Gilead's data on the incidence of renal adverse events based
17 on its postmarketing safety database given the voluntary nature of reporting.

18 233. Moreover, even if Gilead's data accurately captured the percentage of patients
19 experiencing serious renal adverse events (which it did not), it would still represent a very large number
20 of patients who experienced significant health problems due to TDF toxicity. For example, in late
21 2015, according to data from Symphony Health Solutions, nearly 500,000 people in the U.S. were
22 ingesting TDF daily. Using Gilead's numbers, approximately 2,500 of those patients would likely
23 experience severe kidney damage. Now that TDF has been on the market for nearly two decades, many
24 thousands of patients have likely experienced severe TDF-induced kidney damage.

25 234. In May 2007, Gilead had to update its labeling to recognize that TDF-associated renal
26 damage also caused osteomalacia (softening of the bones) in patients. In November 2008, Gilead
27 modified the labeling to state that patients taking TDF had experienced osteomalacia due to proximal
28 renal tubulopathy as bone pain, and that it might contribute to fractures.

1 235. In August 2008, Gilead had to update its labeling to recognize finally that TDF caused
2 both “new onset” and “worsening” renal impairment—meaning, as Gilead knew years prior, that TDF
3 was injuring patients’ kidneys even though they had no preexisting renal dysfunction.

4 236. During 2009–2011, studies continued to show that TDF caused a significant loss of
5 renal function in HIV-infected patients.

6 237. Multiple articles described how the incidence of TDF-induced nephrotoxicity was
7 underreported because studies often excluded patients who were most likely to exhibit nephrotoxic
8 effects, including patients who combined TDF in a ritonavir-boosted regimen or with another
9 nephrotoxic drug, older patients or those with advanced HIV disease, or those with mild baseline renal
10 dysfunction. Notwithstanding selection bias that tended to hide TDF-associated kidney dysfunction,
11 the evidence was clear that TDF caused renal tubular dysfunction in a significant percentage of HIV-
12 infected patients.

13 238. In April 2012, researchers at the San Francisco Veterans’ Administration Medical
14 Center and the University of California, San Francisco published their analysis of the medical records
15 of more than 10,000 HIV-positive veterans in the national VA healthcare system, which is the largest
16 provider of HIV care in the United States. The study authors found that for each year of tenofovir
17 exposure, risk of protein in urine—a marker of kidney damage—rose 34%, risk of rapid decline in
18 kidney function rose 11%, and risk of developing chronic kidney disease rose 33%. The risks remained
19 after the researchers controlled for other kidney disease risk factors such as age, race, diabetes,
20 hypertension, smoking, and HIV-related factors.

21 239. By the time it reviewed the Stribild NDA, the FDA stated that the safety profile of TDF
22 was, by that point, “well-characterized in multiple previous clinical trials and is notable for TDF-
23 associated renal toxicity related to proximal renal tubule dysfunction and bone toxicity related to loss
24 of bone mineral density and evidence of increased bone turnover.”¹⁵

25
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27
28 ¹⁵ FDA Center for Drug Evaluation and Research Summary Review for NDA 203100 at 10,
available at https://www.accessdata.fda.gov/drugsatfda_docs/nda/2012/203100Orig1s000SumR.pdf.

1 240. With each passing year and each successive TDF product, Gilead learned even more
2 about TDF's toxicity. Despite this knowledge, Gilead repeatedly designed the TDF Drugs to contain
3 TDF as the tenofovir delivery mechanism rather than safer TAF.

4 **D. Before Gilead developed Stribild, it knew that renal adverse events were more likely**
5 **when patients took TDF as part of a boosted regimen.**

6 241. Before Gilead first started marketing Viread, it knew that patients' exposure to
7 tenofovir increases significantly when tenofovir is co-administered with a ritonavir-boosted protease
8 inhibitor: the maximum concentration of tenofovir increased 31%; the minimum concentration of
9 tenofovir increased 29%; and the area under the curve (the actual body exposure to the drug after dose
10 administration) increased 34%.

11 242. In the first few years TDF was on the market, many reported cases of tenofovir-related
12 renal damage involved patients taking TDF with a ritonavir-boosted protease inhibitor—leading
13 authors to conclude that the risk of TDF-associated renal toxicity increased for patients on a boosted
14 regimen. This is consistent with other patient populations at increased risk for renal toxicity, including
15 those with low body weight and those taking another nephrotoxic drug; each is associated with higher
16 levels of tenofovir exposure.

17 243. As Gilead recognized in the Precautions section of the July 1, 2004 Viread label:
18 “[h]igher tenofovir concentrations could potentiate Viread-associated adverse events, including renal
19 disorders.”¹⁶

20 244. Gilead further stated: “Atazanavir [another protease inhibitor] and lopinavir/ritonavir
21 have been shown to increase tenofovir concentrations. The mechanism of this interaction is unknown.
22 Patients receiving atazanavir and lopinavir/ritonavir and Viread should be closely monitored for
23 Viread-associated adverse events. Viread should be discontinued in patients who develop Viread-
24 associated adverse events.”¹⁷

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26
27 ¹⁶ Viread (tenofovir disoproxil fumarate) Tablets label at 17, available at
https://www.accessdata.fda.gov/drugsatfda_docs/label/2004/21356slr010_viread_lbl.pdf.

28 ¹⁷ *Id.*

1 245. Case study authors similarly called for careful monitoring of patients taking TDF in a
2 boosted regimen, given the frequency of renal damage in such patients.

3 246. A 2008 Journal of Infectious Diseases article reported that the odds of developing
4 significant renal function reduction were 3.7 times higher for patients receiving a regimen containing
5 tenofovir plus ritonavir-boosted protease inhibitor than for those receiving tenofovir plus
6 nonnucleoside reverse transcriptase inhibitor-based therapy, even after adjusting for viral load.

7 **E. Before Gilead developed each of the TDF Drugs, it knew that TAF was less toxic to**
8 **kidneys and bones than TDF.**

9 247. Before the FDA approved Viread, Gilead had already discovered a different design for
10 an orally available version of tenofovir that is more potent than TDF, meaning that it can be
11 administered at a significantly lower dose with fewer side effects than TDF.

12 248. Unlike TDF, TAF is not converted into tenofovir until it has been absorbed by the cell.
13 As a result, TAF is more efficiently absorbed by the cells HIV targets compared to TDF. This more
14 efficient absorption allows TAF to achieve far greater intracellular concentrations of the activated drug
15 (tenofovir-diphosphate) in target cells than even a dramatically larger dose of TDF, while achieving
16 plasma concentrations of tenofovir that are 90% lower than TDF. The lowered plasma concentrations
17 of tenofovir found with TAF result in reduced toxicity compared to TDF, making TAF safer to use
18 than TDF.

19 249. On July 21, 2000, Gilead filed a provisional patent application which described TAF
20 (then called GS-7340) as 2–3 times more potent than TDF while providing 10 times the intracellular
21 concentration of tenofovir than TDF. Gilead also demonstrated that dosing with TAF resulted in
22 dramatically higher concentrations of drug in all organs except the kidneys and the liver, compared
23 with TDF. This suggested that TAF is uniquely able to target cells that HIV infects, while not
24 concentrating in the kidney.

25 250. In a 2001 paper, Gilead scientists described the remarkable results achieved when
26 studying the metabolism of TAF in blood. The paper, “Metabolism of GS-7430, A Novel Phenyl
27 Monophosphoramidate Intracellular Prodrug of PMPA, In Blood,” compared the distribution of the
28 active drug tenofovir in blood cells and plasma after exposure to either GS-7430 or tenofovir disoproxil

(which was still in clinical development at the time of the study). What Gilead found was that one need only *one thousandth of the dose* of GS-7340 compared to tenofovir to achieve the same level of inhibition of HIV replication in vitro. Gilead also found that one need to use only one tenth the dose of GS-7340 compared to TDF to reach the same levels of active tenofovir inside cells.

251. Gilead researchers presented the results of its GS-7340 study at a February 2002 Conference on Retroviruses. John Milligan, then Gilead's Vice President of Corporate Development and currently its President and Chief Executive Officer, said that Gilead's goal with GS-7340 was to deliver a more potent version of tenofovir that can be taken in lower doses, resulting in better antiviral activity and fewer side effects. Milligan said that "there's a great need to improve therapy for HIV patients."¹⁸

252. Gilead's preclinical studies of TAF also indicated that TAF is less likely to accumulate in renal proximal tubules than TDF, supporting the potential for an improved renal safety profile.

253. Gilead's 2001 10-K highlighted the benefits of GS-7340 over Viread: "Both GS 7340 and Viread are processed in the body to yield the same active chemical, tenofovir, within cells. However, the chemical composition of GS 7340 may allow it to cross cell membranes more easily than Viread, so that with GS 7340, tenofovir may be present at much higher levels within cells. As a result, GS 7340 may have greater potency than Viread and may inhibit low-level HIV replication in cells that are otherwise difficult to reach with reverse transcriptase inhibitors."¹⁹

254. At the end of the first quarter of 2002, Gilead told investors that it had initiated Phase I/II testing of GS-7340. In an earnings call, Gilead stated that it had initiated a dose escalation study for GS-7340 through which Gilead intended to prove that GS-7340 was more potent than Viread, meaning that it could be administered at a safer, lower dose.

¹⁸ Special Coverage: 9th Conference on Retroviruses – New drugs, new data hold promise for next decade of HIV treatment, AIDS Alert, May 1, 2002.

¹⁹ Gilead Sciences, Inc. Form 10-K for the fiscal year ended December 31, 2001, at 13, available at <https://www.sec.gov/Archives/edgar/data/882095/000091205702011690/a2073842z10-k.htm>.

1 255. In an October 28, 2003 earnings call, Gilead told analysts that data from the ongoing
2 Phase I/II study of GS-7340 “look[ed] promising.”²⁰

3 256. In December 2003, Mark Perry, then Gilead’s Executive Vice President of Operations,
4 told investors that Gilead was “excited” about GS-7340. Gilead expected GS-7340 to achieve “more
5 potency at lower doses and increase the therapeutic index for” tenofovir.²¹ The “therapeutic index” is
6 a comparison of the amount of a therapeutic agent that causes the therapeutic effect compared to the
7 amount that causes toxicity.

8 257. In January 2004, Gilead repeatedly referred to the positive results from clinical studies
9 of GS-7340 in calls with analysts and disclosures to the investment industry. On a January 29, 2004
10 earnings call, Gilead stated that, based on these positive results, it was designing a Phase II program
11 for GS-7340 to determine the safety and efficacy of the compound in treatment naïve patients and in
12 highly treatment experienced patients.

13 258. At a May 2004 Deutsche Bank Securities Healthcare Conference, Gilead said that it
14 knew GS-7340 could be dosed at a fraction of the Viread dose and give a greater antiviral response.

15 259. However, on October 21, 2004, shortly after the FDA approved Truvada, Gilead
16 abruptly announced that it would abandon its GS-7340 design. It stated:

17
18 Earlier this year as a result of positive data from a small phase I/II
19 study of GS 7340, we began designing a phase II program to determine
20 the safety and efficacy of the compound in treatment-naïve patients
21 and in highly treatment experienced patients. Since that time we have
22 witnessed the increasing use of Viread across all HIV patient
23 populations, and we have also received approval for and launched
24 Truvada.

25 Based on our internal business review and ongoing review of the
26 scientific data for GS 7340, we came to the conclusion that it would be
27 unlikely that GS 7340 would emerge as a product that could be highly
28 differentiated from Viread.²²

25 ²⁰ Event Brief of Q3 2003 Gilead Sciences Earnings Conference Call – Final, FD (Fair Disclosure)
26 Wire, Oct. 28, 2003.

27 ²¹ Gilead Sciences at Harris Nesbitt Gerard Healthcare Conference 2003 – Final, FD (Fair
28 Disclosure) Wire, Dec. 11, 2003.

²² <https://www.gilead.com/news/press-releases/2004/10/gilead-discontinues-development-of-gs-9005-and-gs-7340-company-continues-commitment-to-research-efforts-in-hiv>.

1 260. Prior to its October 2004 announcement, Gilead never indicated that there might be an
2 issue with differentiating GS-7340 from Viread or expressed any other negative view of the prospects
3 of GS-7340. To the contrary, Gilead repeatedly touted the positive results of preclinical and clinical
4 studies of GS-7340 and the benefits of GS-7340 over Viread.

5 261. Gilead's "internal business review" was the real driver of its decision to abandon a
6 design it knew to be safer than Viread.

7 262. In May 2005, despite Gilead's misrepresentation that GS-7340 was not worth pursuing,
8 Gilead scientists reported the favorable results they achieved with GS-7340, including its benefits over
9 Viread, in an issue of Antimicrobial Agents and Chemotherapy. Reuters Health News covered the
10 article:

11 After oral administration of GS 7340 to dogs, tenofovir concentrations
12 were 5- to 15-fold higher in lymph nodes than after tenofovir DF
13 administration, the researchers note. Except for kidney and liver, tissue
14 concentrations of tenofovir were generally higher after GS 7340 than
15 after tenofovir DF administration.

16 "The high concentrations of tenofovir observed in lymphatic tissues
17 after oral administration of GS 7340 are expected to result in increased
18 clinical potency relative to tenofovir DF and could have a profound
19 effect on the low-level virus replication that occurs in tissues with
20 suboptimal drug exposure during HAART," the authors conclude.

21 "With GS 7340," the researchers add, "it should be possible to reduce
22 the total dose of tenofovir, thereby minimizing systemic exposure,
23 while at the same time increasing antiviral activity."²³

24 263. Moreover, even though Gilead purportedly abandoned TAF, Gilead filed seven
25 applications for patents on TAF between 2004 and 2005.

26 264. Despite recognizing the safety benefits of TAF, Gilead kept its GS-7340 design on the
27 shelf for years—knowingly exposing patients taking its TDF-containing drug products to greater risks
28 of kidney and bone toxicity.

²³ Novel tenofovir prodrug preferentially targets lymphatic tissue, Reuters Health Medical News, June 1, 2005.

1 265. It was not until approximately October 2010—*six years* after Gilead shelved its safer
2 tenofovir prodrug and after Gilead designed combination products Truvada and Atripla to contain TDF
3 rather than safer TAF—that Gilead renewed development of the safer TAF design.

4 266. Once Gilead renewed development of its TAF design, it again touted the benefits of
5 TAF over TDF—as if it had never falsely claimed that TAF could not be “highly differentiated” from
6 TDF.

7 267. Despite having discovered the benefits of TAF before 2001, Gilead repeatedly
8 misrepresented TAF as “new.” The benefits of TAF that Gilead described in 2010 and beyond were
9 known to Gilead years earlier. And the clinical results Gilead achieved with TAF would have been
10 achieved years earlier but for Gilead’s decision to slow-walk and withhold the safer TAF design purely
11 for financial gain.

12 268. In an October 19, 2010 earnings call, Gilead’s Chief Scientific Officer Norbert
13 Bischofberger explained to investors how GS-7340’s safety profile was superior to Viread, particularly
14 with respect to kidney and bone toxicity:

15 7340 is a prodrug that actually delivers more active antivirally active
16 components into the compartment in the body where it’s really needed
17 which means lymphocytes mostly. What that means is you can take a
18 lower dose, and actually our clinical study would indicate 1/6th to
19 1/10th the Viread dose and you would actually get higher efficacy with
20 less exposure. So we’re looking at this to be used in sub population
21 where people have a concern with Viread, and the one with renal
22 impairment, elderly people that have reduced renal function, and the
23 other population will be adults that have preexisting or suspicion of
24 bone disease, osteoporosis, and that’s where we are initially going to
25 position the compound.²⁴

26 269. Giving a statement at the Capital Markets Healthcare Conference on March 2, 2011,
27 John Milligan, then Gilead’s President and Chief Operating Officer, told investors the real reason
28 Gilead previously refused to design its products to contain safer GS-7340—it did not want to hurt TDF
29 sales by stepping on its TDF marketing message:

²⁴ Q3 2010 Gilead Sciences Earnings Conference Call – Final, FD (Fair Disclosure) Wire, Oct. 19, 2010.

One of the reasons why we were concerned about developing 7340 was we were trying to launch Truvada versus Epzicom²⁵ at that time. And to have our own study suggesting that Viread wasn't the safest thing on the market, which it certainly was at the time. ... It didn't seem like the best. It seemed like we would have a mix[ed] message. And in fact that Viread story is split out to be a fairly safe product over the years. There are some concerns still on kidney toxicity and there are some concerns about bone toxicity.²⁶

270. Milligan called GS-7340 a "kinder, gentler version of Viread."²⁷

271. At the March 14, 2011 Roth Capital Partners Growth Stock Conference, Gilead stated that the ability to dose GS-7340—the "kinder, gentler" version of Viread—lower than Viread was important because GS-7340 is safer, particularly as patients take the medication for the long term.²⁸

272. At the NASDAQ OMS 26th Investor Program in June 2011, Gilead described GS-7340 as a "very exciting product" which was then in dosing studies to determine just how low GS-7340 could be dosed. Gilead explained the benefit of lower dosing to aging patients and those who have been on the medication for a long time:

And we had recently this year had presented 14-day monotherapy results from a study we had done at 50 and 100 mg of 7340 versus the 300 mg of Viread today. And what we have shown was viral load reductions were greater in the lower doses of 7340 and the plasma tenofovir levels were actually much reduced from what we see with Viread.

We're currently now in a Phase Ib looking at even lower doses. We are studying 8 mg, 25 and 40 mg of GS-7340. This is important because as the age of the AIDS population continues to increase, as the median age is now just about 50 years old, you get issues with aging such as renal function and bone mineral density that can become bigger issues for these patients and we think that it's a currently unmet medical need to address those concerns of the aging population in HIV.²⁹

²⁵ Epzicom is a combination medication, containing abacavir and lamuvidine, indicated to treat HIV sold by Gilead's competitor GlaxoSmithKline, now Viiv Healthcare, Ltd. The FDA approved both Epzicom and Truvada in August 2004.

²⁶ Gilead Sciences at RBC Capital Markets Healthcare Conference – Final, FD (Fair Disclosure) Wire, Mar. 2, 2011.

²⁷ *Id.*

²⁸ Gilead Sciences at Roth Capital Partners OC Growth Stock Conference – Final, FD (Fair Disclosure) Wire, Mar. 14, 2011.

²⁹ Gilead Sciences Inc. at NASDAQ OMS 26th Investor Program – Final, FD (Fair Disclosure) Wire, June 21, 2011.

1 Yet, Gilead knew well before 2010–2011 that people with HIV were living longer lives. Since the
2 introduction of effective combination antiretroviral therapy in late 1995 and early 1996, many people
3 with HIV have lived a normal lifespan.

4 273. On January 24, 2012, Gilead announced that it had begun Phase II clinical trials of GS-
5 7340 and identified a dose that is ten times lower than Viread while providing greater antiviral efficacy.

6 274. On October 31, 2012, Gilead announced that a Phase II clinical trial evaluating TAF
7 met its primary objective. The study compared a once-daily single tablet regimen containing TAF 10
8 mg/elvitegravir 150 mg/cobicistat 150 mg/emtricitabine 200 mg with Stribild (TDF 300
9 mg/elvitegravir 150 mg/cobicistat 150 mg/emtricitabine 200 mg) among treatment-naïve adults.
10 Compared to Stribild, the TAF-containing regimen demonstrated better markers of bone and kidney
11 effects that were statistically significant. The study showed that TAF is effective at a fraction of the
12 dose of Viread and provides safety advantages.

13 275. In January 2013, Gilead began Phase III clinical development of TAF. Announcing the
14 beginning of Phase III development, then-CEO Martin mischaracterized TAF as “new.”³⁰

15 276. Gilead finally submitted an application to market its first TAF-containing product,
16 Genvoya, to the FDA on November 5, 2014 (though it could have done so years earlier had it not
17 shelved the safer design to make more money).

18 277. When the FDA approved Genvoya on November 5, 2015, John C. Martin, then
19 Chairman and CEO of Gilead, announced that “there is still a need for new treatment options that may
20 help improve the health of people as they grow older with the disease.”³¹ Martin misrepresented that
21 TAF was “new” and concealed that Gilead had known about this safer version of tenofovir for over a
22 decade but purposefully withheld it from the market solely to protect its monopoly profits and extend
23 Gilead’s ability to profit on TAF regimens for the next decade or more.

26 ³⁰ Gilead Sciences at JPMorgan Global Healthcare Conference – Final, FD (Fair Disclosure) Wire,
27 Jan. 7, 2013.

28 ³¹ US FDA approvals Gilead’s Single Table Regiment Genvoya for Treatment of HIV-1 Infection,
Business Wire, Nov. 5, 2015.

F. Gilead withheld its safer TAF design to protect its TDF sales and extend profits on its HIV franchise.

278. Gilead first developed and sought FDA approval for its TDF line of products even though it knew TAF was safer.

279. Then Gilead shelved its TAF design in 2004 because it did not want to hurt TDF sales by admitting that TDF is unreasonably and unnecessarily unsafe.

280. Gilead continued to withhold its TAF design for the next decade. Gilead knew that by withholding the safer TAF design, it could extend the longevity of its HIV drug franchise and make billions two times over: first, with TDF medications until TDF patent expiration, which would begin by no later than 2018, and second, with TAF medications until TAF patent expiration as late as 2032.

281. But Gilead also knew that timing was key. While it wanted to delay the TAF-designed products to maximize profits on its TDF Drugs, it also knew that it had to get its TAF-based products on the market sufficiently in advance of TDF patent expiration. Gilead knew that once doctors switched their patients from TDF to TAF, doctors would be highly unlikely to switch their patients back to TDF-based regimens once generic TDF became available. By converting TDF prescriptions to TAF prescriptions (which cannot be automatically substituted at the pharmacy counter with a generic TDF product), Gilead could save a substantial percentage of sales from going generic.

282. Only once Gilead had realized billions in sales through most of the TDF patent life—having built Viread sales up to \$1.1 billion and the TDF portfolio up to \$11 billion in sales in 2015—did Gilead create TAF-based versions of its prior TDF Drugs and work to convert its TDF Drug sales to TAF drug sales.

283. Once TAF entered the market, Gilead successfully convinced a large percentage of doctors to switch from TDF-based to TAF-based regimens by highlighting TAF's improved safety profile with respect to bone and kidney toxicity—the very benefits that Gilead could have and should have incorporated into its product design from the beginning but withheld from patients with each successive TDF Drug for over a decade.

284. In addition, by delaying the filing of an NDA for its first TAF product, for which it received five-year regulatory exclusivity, Gilead knew that it was also delaying the entry of any generic

1 manufacturer who could successfully challenge Gilead's TAF patents as invalid or not infringed. Due
2 to its regulatory exclusivity, no generic manufacturer can even file an ANDA with a Paragraph IV
3 certification seeking to market a generic version of Genvoya until November 2019 and then, upon
4 Gilead's suit against the generic, Gilead can automatically delay generic entry by up to an additional
5 30 months.

6 285. Gilead boasted about TAF's potential to extend its HIV franchise, which has been the
7 core of its business.

8 286. Milligan told investment analysts in 2010 that the safer TAF-designed products could
9 replace the whole TDF franchise which would provide a "great deal of longevity" ³² Milligan
10 similarly told investors at a Deutsche Bank Securities Inc. Healthcare Conference in May 2011 that
11 TAF was a "new" drug that "could potentially bring quite a bit of longevity to the Gilead portfolio." ³³

12 287. As Milligan told analysts at a Goldman Sachs Global Healthcare Conference in June
13 2011, Gilead would be "offering a product called 7340, which we believe is a lower dose, better safety
14 profile, more potent, differentiated drug relative to Viread. And so, our ability to develop and get that
15 onto the market prior to [TDF] patent expiration will be key to us, to maintain the longevity." ³⁴

16 288. Gilead withheld its safer TAF design until it suited Gilead's bottom line at the expense
17 of patients' health.

18 **G. Gilead knowingly designed its TDF drugs to be unreasonably dangerous and unsafe to**
19 **patients' kidneys and bones.**

20 289. Despite knowing that TDF causes kidney and bone damage and that TAF is safer for
21 patients' kidneys and bones, Gilead designed the TDF Drugs to contain TDF rather than safer TAF as
22 the orally available version of tenofovir.

25 ³² Gilead Sciences at 22nd Annual Piper Jaffray Healthcare Conference – Final, FD (Fair
Disclosure) Wire, Nov. 30, 2010.

26 ³³ Gilead Sciences Inc. at Deutsche Bank Securities Inc. Health Care Conference – Final, FD (Fair
Disclosure) Wire, May 3, 2011.

27 ³⁴ Gilead Sciences Inc. at Goldman Sachs Global Healthcare Conference – Final, FD (Fair
Disclosure) Wire, June 7, 2011.

1 290. In addition to withholding the safer TAF design of Stribild, Gilead made Stribild even
2 more dangerous to patients when it formulated the drug to include 300 mg TDF with cobicistat.

3 291. Stribild is a fixed dose combination containing 300 mg TDF, emtricitabine, elvitegravir,
4 and cobicistat. Elvitegravir is an integrase strand transfer inhibitor (INSTI). Cobicistat has no
5 antiretroviral effect; it is a pharmacoenhancer that increases the plasma concentrations of elvitegravir.
6 Regimens that include a pharmacoenhancer like cobicistat are called “boosted” regimens.

7 292. Gilead’s early development of elvitegravir used ritonavir as the boosting agent. Gilead
8 knew before Viread entered the market in 2001 that coadministration of TDF with ritonavir-boosted
9 lopinavir significantly increased tenofovir concentrations. By 2004, the Viread label warned doctors
10 to carefully monitor patients taking both TDF and ritonavir/lopinavir. And scientific literature
11 published years before Gilead developed Stribild indicated that renal toxicity associated with TDF was
12 more frequent in patients receiving TDF in combination with boosted protease inhibitors.

13 293. Although Gilead ultimately replaced ritonavir with cobicistat as the boosting agent in
14 Stribild, the two boosters are structurally similar. Gilead learned during development of Stribild that
15 tenofovir levels in patients receiving Stribild (TDF with cobicistat) were similar to the tenofovir levels
16 experienced in patients who took TDF in combination with a ritonavir-boosted protease inhibitor.
17 Gilead knew that tenofovir levels are 25–35% higher when combining TDF in a boosted regimen.

18 294. Despite knowing that combining TDF with cobicistat would significantly increase
19 tenofovir levels in patients’ blood, Gilead did not reduce the dose of TDF when it formulated Stribild.
20 Gilead’s Stribild clinical trials showed an increased rate of serious renal adverse events that led to
21 treatment discontinuation. Stribild is even more toxic to patients’ kidneys and bones than unboosted
22 TDF.

23 295. When Gilead formulated its first TAF-based drug, Genvoya—which was Stribild with
24 TAF in place of TDF—Gilead reduced the dose of TAF to account for the fact that cobicistat increases
25 tenofovir concentrations. A Phase I TAF dosing trial showed that TAF 25 mg was the optimal dose to
26 achieve activity similar to a 300 mg dose of TDF. When formulating Genvoya, however, Gilead further
27 reduced the TAF dose to 10 mg because, when given with cobicistat, TAF 10 mg achieves exposure
28 similar to TAF 25 mg when given without cobicistat.

1 296. Gilead knew to reduce the dose of TAF to 10 mg when given with cobicistat before
2 Gilead sought FDA approval for Stribild. Pursuant to Gilead’s Phase I study GS-US-311-0101,
3 conducted between June 6, 2011 and August 31, 2011, Gilead determined that co-administration of
4 TAF with cobicistat significantly increased the body’s exposure to TAF and active tenofovir. It found
5 that the body’s drug exposure across time (known as the “area under the curve” in pharmacokinetic
6 parlance) increased 2.7-fold with respect to TAF and 3.3-fold with respect to tenofovir when given
7 with cobicistat. Gilead addressed this drug interaction by reducing the dose of TAF from 25 mg to 10
8 mg in the Genvoya tablet. When Gilead began its study GS-US-292-0103 on October 5, 2011, it used
9 a TAF dose of 10 mg in the Genvoya combination because “the TAF dose is 10 mg when combined
10 with COBI in the [fixed dose combination] versus 25 mg when not combined with COBI.”³⁵

11 297. Critically, Gilead reduced the TAF dose when formulating Genvoya even though
12 patients’ plasma exposure to tenofovir when taking TAF is already significantly less than their
13 tenofovir exposure when taking TDF due to TAF’s enhanced entry and absorption into target cells.

14 298. Moreover, in July 2011, months before Gilead submitted its Stribild NDA to the FDA,
15 Gilead sought FDA approval of reduced doses of TDF (Viread) in 150 mg, 200 mg, and 250 mg
16 strengths for the treatment of HIV-1 infection in pediatric patients ages 2-12. That same month, Gilead
17 also sought approval of Viread 40 mg oral powder for the treatment of HIV-1 infection in pediatric
18 patients 2 years and older.³⁶ The FDA approved the lower dosage strength TDF tablets and oral powder
19 in early January 2012—over six months before the FDA approved the Stribild NDA. There was no
20 reason Gilead could not have similarly reduced the dose of TDF in Stribild—when it knew that failing
21 to reduce the dose would increase the drug’s toxicity.

22 299. As a direct result of Gilead’s decision not to use a safer design, Stribild proved to be
23 toxic to patients’ kidneys and bones.

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26 ³⁵ FDA Center for Drug Evaluation and Research, Genvoya NDA 207561 Clinical Pharmacology
27 and Biopharmaceutics Review(s) at 32, available at https://www.accessdata.fda.gov/drugsatfda_docs/nda/2015/207561Orig1s000ClinPharmR.pdf.

28 ³⁶ In the EU, Gilead recommends that adults with creatinine clearance below 50 mL/min take
Viread oral powder to reduce their doses of TDF.

1 300. In the clinical trials of Stribild over 48 weeks, eight patients in the Stribild group
2 compared to one in the comparator groups discontinued the drug study due to renal adverse events,
3 including kidney failure and Fanconi Syndrome. Four of these patients developed laboratory findings
4 consistent with proximal renal tubular dysfunction. The laboratory findings in these four subjects
5 improved but did not completely resolve upon discontinuation of Stribild. The signature toxicity of the
6 Stribild group was proximal renal tubular dysfunction.

7 301. The FDA’s Medical Review described the notable adverse events that led to study
8 discontinuation more frequently in the Stribild group as a “constellation of renal [Adverse Events] (e.g.
9 renal failure, Fanconi syndrome, and increased blood creatinine).”³⁷

10 302. According to the FDA, the “most important safety risks of Stribild use are associated
11 with two key toxicities: renal adverse events (particularly proximal renal tubular dysfunction) and bone
12 toxicity. Both of these events have previously been associated with use of TDF”³⁸

13 303. The FDA noted that “published literature suggests that the renal toxicity associated with
14 TDF may be more frequent in patients receiving TDF in combination with PIs, including ritonavir,”³⁹
15 and the “review team remains concerned that COBI may exacerbate the known renal toxicity
16 associated with TDF.”⁴⁰ In its Summary Review of the Stribild NDA, the FDA concluded: “it appears
17 that the combination of COBI with TDF may have more renal toxicity than TDF alone as highlighted
18 in the clinical reviews and the renal consult.”⁴¹ The FDA expressed concern that the data reviewed for
19 the Stribild NDA represented an increased hazard signal even compared to regimens containing TDF
20 combined with another boosting agent.

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23 ³⁷ FDA Center for Drug Evaluation and Research Stribild NDA 203100 Medical Review at 9,
available at https://www.accessdata.fda.gov/drugsatfda_docs/nda/2012/203100Orig1s000MedR.pdf.

24 ³⁸ FDA Center for Drug Evaluation and Research Stribild NDA 203100 Cross Discipline Team
25 Member Review at 17, available at https://www.accessdata.fda.gov/drugsatfda_docs/nda/2012/203100Orig1s000CrossR.pdf.

26 ³⁹ *Id.* at 18.

27 ⁴⁰ *Id.*

28 ⁴¹ FDA Center for Drug Evaluation and Research Stribild NDA 203100 Summary Review at 16,
available at https://www.accessdata.fda.gov/drugsatfda_docs/nda/2012/203100Orig1s000SumR.pdf.

1 304. Due to Stribild’s renal toxicity, Stribild use is restricted in patients with impaired renal
2 function. Stribild’s label states that doctors should not initiate Stribild in patients with estimated
3 creatinine clearance below 70 mL per minute, and Stribild should be discontinued if estimated
4 creatinine clearance declines below 50 mL per minute as dose interval adjustment cannot be achieved.
5 Moreover, in the EU—though not in the U.S.—Gilead warns doctors that Stribild should not be
6 initiated in patients with creatinine clearance below 90 mL per minute unless, after review of all
7 available treatment options, it is considered that Stribild is the preferred treatment for the individual
8 patient.

9 305. Gilead’s post-approval Stribild data continued to show renal adverse effects. In the
10 clinical trials of Stribild over 96 weeks, two additional Stribild patients discontinued the study due to
11 a renal adverse reaction. In the clinical trials of Stribild over 144 weeks, three additional Stribild
12 patients discontinued the study due to a renal adverse reaction. In addition, one patient who received
13 ritonavir-boosted atazanavir plus Truvada (i.e., a boosted TDF regimen) in the comparator group
14 developed laboratory findings consistent with proximal renal tubular dysfunction leading to drug
15 discontinuation after week 96.

16 **H. Gilead obtained FDA approval for its TAF-based products by relying on studies**
17 **demonstrating TAF’s superiority over TDF.**

18 306. In seeking FDA approval of its first TAF-based antiviral drug product, Genvoya, Gilead
19 told the FDA that TAF has better entry and concentration in HIV-target cells than TDF, thereby
20 allowing the administration of smaller doses and reducing systemic tenofovir exposure, renal toxicity
21 and bone effects, without sacrificing efficacy.

22 307. Gilead established during Phase I clinical development of TAF that doses as low as 8
23 to 25 mg of TAF had antiviral activity comparable to the approved dose of TDF 300 mg. Gilead
24 selected the 25 mg TAF dose as the optimal dose for Phase 2 and 3 studies based on its antiviral
25 activity. Gilead included TAF 10 mg in Genvoya because it provides similar exposures to TAF 25 mg
26 when coadministered with cobicistat.

27 308. Gilead supported the safety and efficacy of Genvoya with two clinical trials that
28 compared Genvoya to its TDF-containing counterpart, Stribild. In those studies, a 10 mg oral dose of

1 TAF in Genvoya resulted in greater than 90% lower concentrations of active tenofovir in plasma as
2 compared to a 300 mg oral dose of TDF in Stribild. Due to these lower plasma concentrations, Gilead
3 expected that the kidney and bone toxicities associated with TDF would occur at a lower rate with
4 TAF. And, as expected, the trials showed that rates of biomarkers for tenofovir-induced renal and bone
5 toxicities were less with Genvoya than Stribild.

6 309. In seeking FDA approval of Genvoya in 2014, Gilead relied on TAF data obtained by
7 Gilead more than a decade earlier—before the company abruptly shelved its TAF design in pursuit of
8 more money. Gilead submitted in its Genvoya NDA data from: (a) early clinical development showing
9 that TAF provided greater intracellular distribution of tenofovir yielding lower plasma tenofovir levels
10 than TDF; (b) preclinical studies that indicated TAF is less likely to accumulate in renal proximal
11 tubules, supporting the potential for an improved renal safety profile; and (c) Phase I dosing studies
12 supporting doses of TAF far lower than the standard 300 mg dose of TDF.

13 310. Reviewing these studies, the FDA stated that: “Based on the design of the pivotal
14 clinical trials, safety can be directly compared between TAF (Genvoya) and TDF (as Stribild) in
15 subjects initiating treatment.”⁴² According to the FDA, the studies showed that “the rates of signature
16 TFV [tenofovir] toxicities related to bone mineral density and renal laboratory parameters were lower
17 [than TDF], likely due to the fact that the TAF prodrug yields lower plasma concentrations of TFV.”⁴³

18 311. As a result of its improved renal safety profile over TDF, Gilead’s TAF-containing
19 products are better tolerated by patients with renal impairment.

20 312. For example, Genvoya requires no dosage adjustment for patients with creatinine
21 clearance greater than or equal to 30 mL per minute, whereas its TDF-containing counterpart Stribild
22 is not recommended for patients with creatinine clearance below 70 mL per minute and Stribild should
23 be discontinued if creatinine clearance falls below 50 mL per minute as dose interval adjustment cannot
24 be achieved. Due to its superior safety profile, Genvoya has an expanded indication for renally
25 impaired individuals with creatinine clearance greater than or equal to 30 mL per minute.

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27 ⁴² FDA Center for Drug Evaluation and Research Genvoya NDA 207561 Summary Review at 10,
available at https://www.accessdata.fda.gov/drugsatfda_docs/nda/2015/207561Orig1s000SumR.pdf.

28 ⁴³ *Id.* at 15.

1 313. As a result of its improved bone toxicity safety profile over TDF, the labels for Gilead’s
2 TAF-containing products no longer include bone effects in the Warnings and Precautions sections of
3 those labels.

4 314. The FDA agreed that bone effects need only be displayed in the Adverse Events section
5 of TAF drug labeling because “[w]ith respect to bone toxicity, TAF appears to have substantially less
6 of an adverse effect on bone mineral density (BMD) than TDF.”⁴⁴

7 315. Gilead removed bone toxicity from the Warnings and Precautions sections of the
8 Genvoya label in December 2016 and from the Odefsey and Descovy labels in 2017. Bone toxicity
9 remains in the Warnings and Precautions sections of the labels of Gilead’s TDF Drugs to this day.

10 **I. Gilead markets TAF as superior to TDF.**

11 316. Gilead’s TAF-based product websites, including the Genvoya site, market the TAF-
12 based drugs as superior to Gilead’s TDF-containing products with respect to kidney health. Gilead
13 recognizes that: “Kidneys play a key role in keeping you healthy, working around the clock to remove
14 waste from your blood. That’s why it’s so important to take care of them, especially if you have HIV-
15 1.”⁴⁵ Gilead states that the TAF-based products have “less impact on kidney lab tests” than other
16 approved HIV-1 treatments, including Stribild, Atripla, and Truvada. The website also highlights that
17 unlike its TDF products, the TAF-based products are “FDA-approved for people with mild-to-
18 moderate kidney problems and can be used in some people with lowered kidney function without
19 changing the dose.”⁴⁶

20 317. Gilead’s TAF-based product websites, including the Genvoya site, market the TAF-
21 based drugs as superior to Gilead’s TDF-containing products with respect to bone health. Gilead
22 recognizes that: “Because HIV-1 medicines may impact your bones, it’s important to protect your bone
23 health. If you’re under 30 years of age, you’re still developing bone mass. If you’re over 30, your
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26 ⁴⁴ FDA Center for Drug Evaluation and Research Vemlidy NDA 208464 Summary Review at 5,
27 available at https://www.accessdata.fda.gov/drugsatfda_docs/nda/2016/208464Orig1s000SumR.pdf.

⁴⁵ See <https://www.genvoya.com/hiv-kidney-bone-health>.

⁴⁶ *Id.*

1 bones have fully developed and it's important to try to maintain them.”⁴⁷ The site touts clinical studies
2 which demonstrate that the TAF-containing products “had less impact on hip and lower spine bone
3 mineral density than the other approved HIV-1 treatments,” including Stribild, Atripla, and Truvada.⁴⁸

4 318. Gilead also touts TAF as safer than TDF to scientists, clinical investigators, and doctors
5 attending the annual Conference on Retroviruses and Opportunistic Infections (“CROI”).

6 319. In 2015, Gilead scientists presented to CROI attendees data evaluating the safety and
7 efficacy of Genvoya in patients with mild to moderate renal impairment. Gilead stated that “TDF has
8 been associated with clinically significant renal and bone toxicity,” and “[r]elative to TDF 300 mg,
9 TAF at an equivalent dose of 25 mg has 90% lower circulating plasma TFV, while maintaining high
10 antiviral activity.”⁴⁹ This first study of a single-tablet antiviral regimen without dose adjustment in
11 patients with mild to moderate renal impairment demonstrated the efficacy and renal and bone safety
12 of Genvoya in this patient population.

13 320. In 2016, Gilead scientists presented to CROI attendees data evaluating the renal safety
14 of TAF in patients with a high risk of kidney disease. Gilead stated that TDF “has been associated with
15 an increased risk of [chronic kidney disease]” and “[d]ue to a 91% lower plasma tenofovir level,
16 tenofovir alafenamide (TAF) relative to TDF has demonstrated a significantly better renal safety
17 profile and no discontinuations due to renal adverse events through 2 years in 2 randomized, double-
18 blind studies ... comparing TAF to TDF”⁵⁰ With respect to high risk renal patients, Gilead
19 concluded that “[a]ntiretroviral-naïve adults with both high and low risk for [chronic kidney disease]
20 treated with TAF had more favorable renal outcomes compared to those treated with TDF.”⁵¹

21 321. Gilead also presented at the 2016 CROI data demonstrating that TAF is safer to kidneys
22 than TDF in the longer-term. Showing data through 96 weeks, Gilead concluded that “[c]linically
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25 ⁴⁷ *Id.*

26 ⁴⁸ *Id.*

27 ⁴⁹ <http://www.croiconference.org/sites/default/files/posters-2015/795.pdf>.

28 ⁵⁰ <http://www.croiconference.org/sites/default/files/posters-2016/681.pdf>.

⁵¹ *Id.*

1 significant renal events were less frequent in patients receiving” TAF vs. TDF and these “data provide
2 further support for the improved renal safety profile of TAF compared with TDF.”⁵²

3 322. In 2017, Gilead scientists presented to CROI attendees data showing that switching
4 patients with low bone mineral density from a TDF-based to a TAF-based regimen results in increased
5 BMD and a reversion from osteoporosis, leading Gilead to conclude that “[s]witching from TDF to
6 TAF may be an important treatment strategy to increase bone mineral density in those at the highest
7 fracture risk.”⁵³

8 323. Also in 2017, Gilead scientists presented to CROI attendees 144-week data establishing
9 the superiority of TAF over TDF with respect to efficacy as well as kidney and bone safety. At week
10 144, TAF: was “superior to [TDF] on virologic efficacy,” had “significantly less impact than [TDF]
11 on renal biomarkers,” and had “significantly less impact than [TDF] on BMD.”⁵⁴

12 324. In 2018, Gilead scientists presented to CROI attendees 96-week data that showed that
13 switching to a TAF-based regimen resulted in “significant increases in bone mineral density at hip and
14 spine” and “improved biomarkers of renal tubular function.”⁵⁵

15 325. Gilead’s sales force has used data showing the superior safety profile of TAF over TDF
16 to convince doctors to switch patients from TDF-based to TAF-based products.

17 326. Gilead President and COO Milligan told analysts during a November 10, 2015 Credit
18 Suisse Healthcare Conference that he expected Gilead’s sales representatives to be successful in
19 switching the market from TDF to Genvoya based on favorable data showing the benefits of TAF over
20 TDF. Milligan viewed switching patients from Stribild to Genvoya as “the most likely thing to happen
21 very commonly, because it’s very seamless for the patient. You’re not really changing much; you’re
22 just getting a better version of Stribild.”⁵⁶ Milligan also touted the benefit of switching Atripla patients,
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24 ⁵² <http://www.croiconference.org/sites/default/files/posters-2016/682.pdf>.

25 ⁵³ http://www.croiconference.org/sites/default/files/posters-2017/683_Brown.pdf.

26 ⁵⁴ http://www.croiconference.org/sites/default/files/posters-2017/453_Arribas.pdf.

27 ⁵⁵ http://www.croiconference.org/sites/default/files/posters-2018/1430_Mills_504.pdf.

28 ⁵⁶ Gilead Sciences Inc. at Credit Suisse Healthcare Conference – Final, FD (Fair Disclosure) Wire,
Nov. 10, 2015.

1 who, at that point, had a decade of TDF toxicity buildup, to Genvoya, which, he said, gives patients
2 the benefits of TDF with a better safety profile.

3 327. In order to prevent or combat the cumulative buildup of kidney and bone toxicity
4 associated with TDF (which Gilead itself caused by withholding the safer TAF design), Gilead's
5 message was: "if you're a new patient, start with a TAF-based single-tablet regimen, because that's
6 going to be highly efficacious and very safe and very tolerable for long-term usage. And if you're on
7 a Viread-based regimen, it's a great idea to convert, switch, upgrade to a TAF-based regimen as soon
8 as possible."⁵⁷

9 328. According to Milligan, Genvoya was the most successful launch ever for an HIV
10 therapy. After six months on the market, Genvoya was the most prescribed regimen for treatment-
11 naïve and switch patients.

12 329. Gilead's conversion strategy continued with FDA approval of Gilead's subsequent
13 TAF-based products. As Milligan stated in March 2016, the marketplace was moving to TAF because
14 patients need the safest possible medication:

15 [A]s I look at TAF right now there's a very strong medical rationale
16 for TAF versus Viread. And so what we're seeing in the marketplace
17 with the launch of Genvoya and then with the recent approval of
18 Odefsey is the desire to move patients from a TDF containing regimen
19 to a TAF containing regimen . . . it's very interesting that the field
20 wants to move to the safest medication, I think should move to the
safest medication because it's a great opportunity for patients to stay
on care for another 10 to 20 years which is really where we're at with
most of these patients. They're going to need decades more care and so
you need the gentlest, safest option for patients⁵⁸

21 330. Gilead's 2017 Annual Report attributes strong growth in its HIV business to
22 "widespread physician acceptance and uptake" of the TAF-based regimens.⁵⁹

24 ⁵⁷ Gilead Sciences Inc. at Piper Jaffray Healthcare Conference – Final, FD (Fair Disclosure) Wire,
25 Dec. 1, 2015.

26 ⁵⁸ Gilead Sciences Inc. at Barclays Global Healthcare Conference – Final, FD (Fair Disclosure)
Wire, Mar. 15, 2016.

27 ⁵⁹ Gilead Sciences 2017 Year in Review at 7, available at <https://www.gilead.com/-/media/files/pdfs/yir-2017-pdfs/final-year-in-review-426.pdf?la=en&hash=E86C6471302682C56A548CC42342AFC4>.
28

1 331. In January 2018, Milligan stated that “physicians and patients prefer TAF dramatically
2 over our TDF-containing backbones,” noting that its TAF-based products had achieved more than 56%
3 of the market share of its TDF-containing regimen.⁶⁰ TAF-based products now make up at least 74%
4 of Gilead’s TDF- and TAF-based drug products for HIV treatment.

5 332. Gilead could have and should have incorporated the benefits of TAF, which doctors
6 and patients “prefer dramatically” over TDF, into its products years earlier.

7 333. Gilead funded a 2018 study, Baumgardner, J., *et al.*, “Modeling the impacts of
8 restrictive formularies on patients with HIV,” that highlights the damage Gilead did by withholding
9 TAF products from the market. The authors found that a restrictive drug formulary design,⁶¹ which
10 restricts access to TAF or TDF-sparing regimens (other antiviral drugs, abacavir, lamuvidine, and
11 douletegravir), forcing more people to use TDF-containing regimens, would cause 171,500 more
12 cumulative bone and renal events and 16,500 more deaths by 2025 compared to an open formulary
13 design which permitted patients to start on TAF. Gilead itself prevented patients from taking TAF for
14 more than a decade—longer than the period covered by the 2018 study. Gilead likely caused even
15 more deaths and injuries as a result of its callous decision to withhold the safer TAF drugs.

16 **J. Gilead failed to adequately warn about the risks of TDF.**

17 334. In addition to withholding a safer TAF-based design despite knowing the risk its TDF
18 Drugs posed to patients’ kidneys and bones, Gilead failed to adequately warn physicians and patients
19 about the risks and safe use of TDF.

20 **1. Gilead failed to adequately warn doctors about the risks of TDF.**

21 335. Because tenofovir is primarily cleared out of the body by the kidneys, a patient
22 experiences even greater exposure to tenofovir as the kidneys become impaired—causing even greater
23 harm. As a result, early detection is key to preventing serious, potentially irreversible renal injury.
24 Frequent monitoring for TDF-induced toxicity is also critical because patients are typically
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27 ⁶⁰ Gilead Sciences Inc. at JPMorgan Healthcare Conference – Final, FD (Fair Disclosure) Wire,
Jan. 8, 2018.

28 ⁶¹ A drug formulary is a list of an insurer’s covered drugs and is designed to save money.

1 asymptomatic in the early stages. Gilead, however, downplayed the risks of TDF and the need to
2 carefully monitor all patients in order to inflate sales.

3 336. During the first years Viread was on the market, Gilead relied on Viread sales for a
4 significant portion of its operating income. For 2002, Viread's first full year on the market, Viread
5 sales comprised 53% of Gilead's total product sales. In 2003, Viread accounted for 68% of Gilead's
6 total product sales.

7 337. Gilead stated in its 2002 10-K that its operations would suffer if Viread did not maintain
8 or increase its market acceptance. Gilead also stated that if additional safety issues were reported for
9 Viread, this could "significantly reduce or limit our sales and adversely affect our results of
10 operations."⁶² Gilead made similar statements in its 2003 and 2004 10-K filings.

11 338. To make sure that safety issues did not depress or slow the growth of Viread sales,
12 which were crucial to Gilead's operations, Gilead dramatically increased its sales force and marketing
13 budget, and trained its sales representatives to deceptively represent Viread's safety profile. At the
14 direction of Gilead's senior management, Gilead representatives told doctors that Viread was a
15 "miracle drug," "extremely safe," and "extremely well-tolerated" with "no toxicities." Gilead's sales
16 representatives did not tell doctors the facts: that Viread posed significant risks to patients' kidneys
17 and bones.

18 339. According to a 2009 shareholder lawsuit filed against Viread, Viread's then-Chief
19 Executive Officer John C. Martin frequently referred to Viread as a "miracle drug" at sales force
20 meetings. According to a former employee, Gilead was trying to overcome the perception in the
21 medical community that Viread was like Gilead's previous HIV drugs and would likely cause kidney
22 damage.

23 340. On March 14, 2002, FDA sent Gilead a Warning Letter admonishing Gilead for
24 engaging in promotional activities that contained false and misleading statements in violation of the
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28 ⁶² Gilead Sciences, Inc. Form 10-K for the fiscal year ended Dec. 31, 2002 at 24 available at
<https://www.sec.gov/Archives/edgar/data/882095/000104746903008695/a2105292z10-k.htm>.

1 Federal Food, Drug and Cosmetic Act. The FDA stated that Gilead unlawfully minimized Viread's
2 risks, including with respect to kidney toxicity, and overstated its efficacy.

3 341. Despite this warning, Gilead continued to unlawfully promote Viread by minimizing
4 its safety risks. During a June 2003 sales force training, Gilead instructed sales representatives to
5 respond to anticipated physician concerns about Viread's nephrotoxicity by downplaying that many
6 patients taking Viread had experienced the adverse effects of kidney toxicity—some of them severe
7—including but not limited to renal failure, acute renal failure, Fanconi syndrome, proximal
8 tubulopathy, increased creatinine, and acute tubular necrosis. Gilead's sales representatives omitted
9 this material information from their sales presentations in order to drive sales.

10 342. The FDA issued another Warning Letter to Viread on July 29, 2003, stating that
11 Gilead's sales representatives had repeatedly omitted or minimized material facts regarding the safety
12 profile of Viread. Among other things, the FDA required Gilead to retrain its sales force to ensure that
13 Gilead's promotional activities complied with the Federal Food, Drug and Cosmetic Act and
14 accompanying regulations. But Gilead had achieved its goal: rapidly increased Viread sales.

15 343. In subsequent years, Gilead continued to downplay the risks of TDF-induced toxicity
16 when promoting its TDF Drugs to doctors by withholding information about the frequency and severity
17 of adverse kidney and bone events; dismissing case reports of acute renal failure and other TDF-
18 associated adverse events as purportedly unavoidable side effects of tenofovir in an otherwise "safe"
19 drug; and failing to tell doctors to monitor patients for drug-induced toxicity using more sensitive
20 markers of kidney function.

21 344. In addition to omitting crucial facts about the safety profile of TDF when promoting
22 TDF to doctors, Gilead also downplayed the importance of patient monitoring in its TDF Drug labeling
23 despite the importance of early detection of TDF-induced toxicity. The dangerous inadequacies in
24 Gilead's drug labeling were compounded by the misleading marketing messages it gave to doctors.

25 345. From Viread's product approval on October 26, 2001, through May 20, 2007, Gilead's
26 TDF labeling failed to warn doctors that all patients needed to be monitored for adverse kidney effects.
27 During this time, Gilead only recommended monitoring patients taking TDF Drugs for renal adverse
28 effects if patients were at risk for, or had a history of, renal impairment or if they were taking another

1 nephrotoxic drug. This monitoring recommendation was woefully inadequate because, as Gilead was
2 well aware, TDF-associated renal toxicity had harmed patients who were not at risk for, or did not
3 have a history of, renal impairment.

4 346. Gilead failed to include any warning about the need to monitor bone effects until
5 October 14, 2003, and that warning was limited to patients with certain risk factors. Since then, Gilead
6 has only suggested that doctors monitor, and only informs patients that monitoring may be necessary,
7 for patients with certain risk factors for bone adverse effects. Gilead's inadequate kidney monitoring
8 warnings also prevented doctors from detecting early signs of kidney damage that can lead to bone
9 density loss.

10 347. Gilead failed to warn about the need for universal monitoring even though it knew that
11 all patients taking TDF are at risk for renal and bone adverse effects.

12 348. Gilead failed to warn about the need for universal monitoring even after patients
13 without preexisting risk factors experienced kidney and bone effects.

14 349. Gilead failed to warn about the need for universal renal monitoring even though patients
15 with a certain level of renal impairment should not take its TDF products or, if TDF products are to be
16 administered to certain renally impaired patients, the dosing interval must be adjusted. The Viread and
17 Truvada labels require a dosing interval adjustment for patients with creatinine clearance of 30–49 mL
18 per minute, and Atripla and Complera cannot be taken by patients with a creatinine clearance of less
19 than 50 mL per minute. Frequent monitoring of all patients' kidney function is necessary to ensure that
20 patients' kidneys are healthy enough to continue treatment or patients receive a needed dose interval
21 adjustment.

22 350. Presented with signs of nephrotoxicity, physicians could have weighed further
23 treatment options, such as increased monitoring, less frequent dosing, or drug discontinuation, before
24 the damage manifested, worsened, or became irreversible. By failing to warn doctors to monitor all
25 patients for TDF-associated toxicity, Gilead delayed the diagnosis of TDF-associated harm, causing
26 or enhancing injuries that would have been prevented or lessened through early detection.

27 351. On May 21, 2007, Gilead added to the Viread label a recommendation that doctors
28 calculate creatinine clearance (one measure of kidney function) in all patients before initiating

1 treatment with a TDF-based product and as clinically appropriate during therapy. Gilead recommended
2 monitoring of creatinine clearance and serum phosphorus only for patients at risk for renal
3 impairment.⁶³

4 352. The “all patients” monitoring recommendation for Viread, Truvada, Atripla, and
5 Complera remained inadequate because it instructed doctors to assess just one, insufficiently sensitive
6 marker of kidney function.⁶⁴ Without using sufficiently sensitive markers of kidney function,
7 substantial kidney injury can occur before it is measurable. As a result, the detection of TDF-induced
8 nephrotoxicity often comes too late, resulting in kidney injury that may be irreversible. Gilead should
9 have warned doctors to test all patients for additional markers of kidney function, such as serum
10 phosphorus and/or urine glucose, which are more sensitive to changes in the nephron tubule, the main
11 site of TDF damage.⁶⁵

12 353. Phosphorus is a mineral that plays an important role in many physiologic systems,
13 including keeping bones healthy and strong. Normal working kidneys maintain balanced levels of
14 phosphorus in the blood. Low levels of phosphorus in the blood may be indicative of impaired kidney
15 function. Moreover, low serum phosphate is itself dangerous; low levels of phosphorus in the blood
16 can cause a range of health problems, including serious bone and heart damage.

17 354. Serum phosphorus is a more sensitive marker of nephron tubule function than creatinine
18 clearance. The nephron tubule is responsible for reabsorbing phosphorus from the glomerular filtrate.

20 ⁶³ Gilead did not add similar warnings to the Truvada and Atripla labels until 2008. Complera’s
21 label included such a warning at the time of FDA approval in 2011. And when Gilead began marketing
22 Stribild in 2012, it warned doctors to assess some measures of kidney function in all patients but failed
to warn doctors to monitor all patients for serum phosphorus. These warnings remained inadequate.

23 ⁶⁴ It was not until 2018 that Gilead strengthened the Truvada, Atripla, and Complera labels to
24 recommend that all patients receive monitoring for serum creatinine, estimated creatinine clearance,
urine glucose, and urine protein. Gilead did not make this change to the Viread label until December
2018, after Plaintiffs filed suit.

25 ⁶⁵ The “all patients” monitoring recommendation for Stribild upon approval was inadequate
26 because it failed to warn doctors to measure serum phosphorus. On August 30, 2017, Gilead
27 strengthened the Stribild label to recommend that all patients be monitored for serum creatinine, serum
phosphorus, estimated creatinine clearance, urine glucose, and urine protein. But, on August 8, 2018,
28 Gilead again weakened the Stribild label to warn doctors to monitor serum phosphorus only in patients
with chronic kidney disease.

1 When the nephron tubule is damaged, it cannot reabsorb enough phosphorus, allowing the phosphorus
2 to be excreted via urine. TDF nephrotoxicity is generally characterized by tubular dysfunction that
3 precedes a decline in glomerular filtration. Thus, by monitoring patients' serum phosphorus, doctors
4 are able to pick up more subtle changes in kidney function that would otherwise go undetected.
5 Moreover, TDF-induced bone injuries are related to the wasting of minerals through the urine. This is
6 due to dysfunction in the nephron tubule, which prevents reabsorption of minerals from the glomerular
7 filtrate. If physicians knew earlier that their patients' kidneys were dysfunctional, subsequent bone
8 injuries could be avoided.

9 355. Presented with early signs of nephrotoxicity, physicians could have weighed further
10 treatment options, such as increased monitoring or drug discontinuation, before the damage
11 manifested, worsened, or became irreversible. By failing to warn doctors to monitor additional, more
12 sensitive markers of all patients' kidney function, Gilead delayed the diagnosis of TDF-associated
13 harm, causing or enhancing patients' injuries that would have been prevented or lessened through early
14 detection.

15 356. Gilead's "all patients" monitoring recommendation for its TDF Drugs also remains
16 inadequate because it fails to instruct doctors how frequently doctors should assess patients' kidney
17 function. By the time a doctor assesses a patient's kidney function when "clinically appropriate," the
18 patient is likely to have already experienced adverse toxic effects, some of which might be irreversible.
19 Regularly scheduled, frequent monitoring of kidney function is necessary to catch early signs of TDF-
20 induced toxicity and prevent injury because patients are generally asymptomatic during the early
21 stages.

22 357. Moreover, after May 21, 2007, the TDF labels do not disclose that adverse kidney and
23 bone events occurred in patients without preexisting risk factors—which, combined with the warning
24 to only routinely monitor patients at risk—gives the false impression that TDF is only harmful to
25 people otherwise at risk for kidney and bone injuries. By failing to warn doctors as to the frequency of
26 monitoring, Gilead delayed the diagnosis of TDF-associated harm, causing or enhancing injuries that
27 could have been prevented or lessened through early detection.
28

358. Gilead's monitoring instructions for at risk patients taking Viread, Truvada, Atripla, and Complera, and patients taking Stribild are also inadequate because they fail to recommend a specific, frequent monitoring schedule for doctors to assess patients' kidney function.

359. Gilead's warnings about the need to monitor patients for the renal effects of TDF in the U.S. are far weaker than those given by Gilead to physicians and patients in the European Union. From the approval of the first TDF product in the EU, Gilead's European labeling (known there as the Summary of Product Characteristics or "SmPC") has recommended that doctors in the EU routinely monitor, on a specific schedule, all patients taking TDF Drugs for adverse renal effects. In addition, Gilead's "all patient" monitoring instruction in the EU is not limited to testing only for creatinine clearance. In its EU labeling, Gilead recommends that doctors also monitor all TDF Drug patients' serum phosphorus levels on the specified, frequent schedule.

360. Gilead's renal monitoring instructions for Viread upon approval in the U.S. and the EU looked like this—with Gilead warning EU physicians to monitor all patients' serum creatinine and serum phosphate at baseline and every four weeks, while it told U.S. doctors to consider monitoring only patients at risk, with no recommended frequency:

Viread U.S. Label 10/26/01	Viread EU Label 02/07/2002
Although tenofovir-associated renal toxicity has not be observed in pooled clinical studies for up to one year, long term renal effects are unknown. <u>Consideration should be given to monitoring for changes in serum creatinine and serum phosphorus in patients at risk or with a history of renal dysfunction.</u>	Although no significant nephrotoxicity has been observed in clinical trials ... the monitoring of renal function is recommended since nephrotoxicity of tenofovir cannot be strictly excluded. <u>The monitoring of renal function (serum creatinine and serum phosphate) is recommended at baseline before taking tenofovir disoproxil fumarate and at routine intervals during therapy every four weeks.</u>

361. Gilead's EU label also instructed physicians when to increase monitoring and consider treatment interruption in light of the results of frequent monitoring. Gilead's U.S. label contained no such warning:

Viread U.S. Label 10/26/01	Viread EU Label 02/07/2002
	If serum phosphate is < 1.5 mg/dl (0.48 mmol/l) or serum creatinine is > 1.7 mg/dl (150 µmol/l), renal function should be re-evaluated within one week. Consideration should be given to

Viread U.S. Label 10/26/01	Viread EU Label 02/07/2002
	interrupting treatment with tenofovir disoproxil fumarate in patients with increases in serum creatinine to > 2.0 mg/dl (177 µmol/l) or decreases in serum phosphate to < 1.0 mg/dl (0.32 mmol/l).

362. On December 8, 2004, Gilead updated Viread's EU labeling to change the recommended renal monitoring schedule and recommend that doctors monitor creatinine clearance, which gives a more accurate picture of kidney function, rather than serum creatinine.⁶⁶ Gilead continued to instruct doctors in the EU to monitor TDF patients more carefully than it instructed doctors in the U.S.:

Viread's U.S. Labeling 12/8/2004	Viread's EU Labeling 12/8/2004
<u>Patients at risk</u> for, or with a history of, renal dysfunction and patients receiving concomitant nephrotoxic agents <u>should be carefully monitored for changes in serum creatinine and phosphorus.</u>	<u>Monitoring of renal function (creatinine clearance and serum phosphate) is recommended before taking tenofovir disoproxil fumarate, every four weeks during the first year, and then every three months. In patients at risk</u> for, or with a history of, renal dysfunction, and patients with renal insufficiency, <u>consideration should be given to more frequent monitoring of renal function.</u>

363. Like the initial EU label, the 2004 EU label also instructed physicians when to increase monitoring and consider treatment interruption in light of the results of frequent monitoring. Although Gilead instructed U.S. doctors to adjust the dose interval for patients with creatinine clearance <50 mL/min, it did not tell doctors to monitor for creatinine clearance (only serum creatinine for some patients) and only instructed doctors to monitor patients' serum creatinine if they were at risk for, or had a history of, renal impairment:

Viread's U.S. Labeling 12/8/2004	Viread's EU Labeling 12/8/2004
Dosing interval adjustment is recommended in all patients with creatinine clearance <50 mL/min.	If serum phosphate is < 1.5 mg/dl (0.48 mmol/l) or creatinine clearance is decreased to < 50 ml/min, renal function should be re-evaluated within one week and the dose interval of Viread adjusted (see 4.2). Consideration should also be given to interrupting treatment with tenofovir disoproxil fumarate in patients with creatinine

⁶⁶ Gilead did not recommend that doctors monitor creatinine clearance in the U.S. until 2007.

Viread's U.S. Labeling 12/8/2004	Viread's EU Labeling 12/8/2004
	clearance decreased to < 50 ml/min or decreases in serum phosphate to < 1.0 mg/dl (0.32 mmol/l).

364. After Gilead began recommending in its U.S. labeling that doctors calculate creatinine clearance in all patients prior to initiating therapy and as clinically appropriate during therapy, Gilead still gave stronger warnings in the EU—recommending that EU doctors monitor all patients' creatinine clearance and serum phosphate every four weeks during the first year, then every three months:

Viread's U.S. Labeling 05/21/2007	Viread's EU Labeling 05/21/2007
It is recommended that creatinine clearance be calculated in all patients prior to initiating therapy and as clinically appropriate during therapy with VIREAD. <u>Routine monitoring of calculated creatinine clearance and serum phosphorus should be performed in patients at risk for renal impairment.</u>	It is recommended that creatinine clearance is calculated in all patients prior to initiating therapy with tenofovir disoproxil fumarate and <u>renal function (creatinine clearance and serum phosphate) is also monitored every four weeks during the first year, and then every three months. In patients at risk for renal impairment, consideration should be given to more frequent monitoring of renal function.</u>

365. Gilead instructs in Viread's most recent EU labeling "that renal function (creatinine clearance and serum phosphate) [should be] assessed in all patients prior to initiating therapy with tenofovir disoproxil fumarate and ... also monitored after two to four weeks of treatment, after three months of treatment, and every three to six months thereafter in patients without renal risk factors." For patients at risk for renal impairment, Gilead states that more frequent monitoring of renal function is "required."

366. Gilead has updated its Viread EU labeling multiple times every year since 2002. Each time, Gilead determined that it should instruct doctors in the EU that they should monitor all patients' kidneys on a frequent, specific schedule using multiple markers of kidney function, including serum phosphorus.

367. On February 24, 2005, Truvada received approval to be marketed in the EU. As with Viread, Gilead's Truvada EU labeling contained stronger monitoring warnings than its U.S. labeling at the time of approval:

Truvada's U.S. Labeling 08/02/2004	Truvada's EU Labeling 02/24/2005
<p><u>Patients at risk</u> for, or with a history of, renal dysfunction and patients receiving concomitant nephrotoxic agents <u>should be carefully monitored for changes in serum creatinine and phosphorus.</u></p>	<p><u>Careful monitoring of renal function (serum creatinine and serum phosphate) is recommended before taking Truvada, every four weeks during the first year, and then every three months.</u> In patients with a history of renal dysfunction or <u>in patients who are at risk for renal dysfunction, consideration should be given to more frequent monitoring of renal function.</u></p>

368. Like its Viread EU labeling, Gilead's Truvada EU labeling also instructed physicians to increase monitoring and consider treatment interruption if the results of frequent monitoring showed that a patient's serum phosphate or creatinine clearance fell below a specified level. Gilead's U.S. labeling recommended only that patients with creatinine clearance < 50 mL/min receive a dose adjustment—though Gilead did not recommend that doctors monitor patients' creatinine clearance (and would not do so for almost three years) and only instructed doctors to monitor patients' serum creatinine if they were at risk for, or had a history of, renal impairment.

369. In Truvada's most recent SmPC, Gilead continues to instruct doctors as to frequent, routine monitoring of renal function (creatinine clearance and serum phosphate) for patients without preexisting risk factors for renal disease: at treatment initiation and then "after two to four weeks of use, after three months of use and every three to six months thereafter." For patients at risk for renal disease, Gilead warns that more frequent monitoring of renal function is "required."

370. Gilead has updated its Truvada EU labeling multiple times every year since 2005. Each time, Gilead determined that it should instruct doctors in the EU to monitor all patients' kidneys on a frequent, specific schedule using multiple markers of kidney function, including serum phosphorus.

371. In 2006, Gilead issued a "Dear Doctor" letter to physicians in the EU about the importance of frequent, routine monitoring of all TDF patients' renal function. Gilead issued no such letter to doctors in the U.S., though the risk to patients' kidneys was the same.

372. On December 18, 2007, Atripla received approval to be marketed in the EU. As with Viread and Truvada, Gilead's Atripla EU labeling contained stronger monitoring warnings than its U.S. labeling at the time of approval:

Atripla's U.S. Labeling 07/12/2006	Atripla's EU Labeling 12/18/2007
<p><u>Patients at risk</u> for, or with a history of, renal dysfunction and patients receiving concomitant nephrotoxic agents <u>should be carefully monitored for changes in serum creatinine and phosphorus.</u></p>	<p><u>It is recommended that creatinine clearance is calculated in all patients prior to initiating therapy with Atripla and renal function (creatinine clearance and serum phosphate) is also monitored every four weeks during the first year and then every three months.</u> In patients with a history of renal dysfunction or in <u>patients who are at risk</u> for renal dysfunction, <u>consideration must be given to more frequent monitoring of renal function.</u></p>

373. Like its Viread EU and Truvada EU labeling, Gilead's Atripla EU labeling also instructed physicians to increase monitoring and consider treatment interruption if the results of frequent monitoring showed that a patient's serum phosphate or creatinine clearance fell below a specified level. Gilead's U.S. labeling stated only that patients with creatinine clearance < 50 mL/min should not receive Atripla—though Gilead did not recommend that doctors monitor patients' creatinine clearance (and would not do so for approximately another year) and only instructed doctors to monitor patients' serum creatinine if they were at risk for, or had a history of, renal impairment:

Atripla's U.S. Labeling 07/12/2006	Atripla's EU Labeling 12/18/2007
<p>Since ATRIPLA is a combination product and the dose of the individual components cannot be altered, patients with creatinine clearance <50 mL/min should not receive ATRIPLA.</p>	<p>If serum phosphate is < 1.5 mg/dl (0.48 mmol/l) or creatinine clearance is decreased to < 50 ml/min in any patient receiving Atripla, renal function must be re-evaluated within one week, including measurements of blood glucose, blood potassium and urine glucose concentrations (see section 4.8, proximal tubulopathy). Since Atripla is a combination product and the dosing interval of the individual components cannot be altered, treatment with Atripla must be interrupted in patients with confirmed creatinine clearance < 50 ml/min or decreases in serum phosphate to < 1.0 mg/dl (0.32 mmol/l).</p>

374. In Atripla's most recent SmPC, Gilead instructs doctors that creatinine clearance should be calculated in all patients prior to initiating therapy and renal function (creatinine clearance and serum phosphate) be monitored after two to four weeks of use, after three months of treatment and every three to six months thereafter in patients without renal risk factors. For patients at risk, Gilead states that more frequent monitoring is "required."

375. Gilead has updated its Atripla EU labeling multiple times every year since 2007. Each time, Gilead determined that it should instruct doctors in the EU to monitor all patients' kidneys on a frequent, specific schedule using multiple markers of kidney function, including serum phosphorus.

376. On November 30, 2011, Complera (under the trade name Eviplera) received approval to be marketed in the EU. As with Viread, Truvada, and Atripla, Gilead's Complera EU labeling contained stronger monitoring warnings than its U.S. labeling at the time of approval:

Complera's U.S. Labeling 08/10/2011	Complera's EU Labeling 11/30/11
It is recommended that creatinine clearance be calculated in all patients prior to initiating therapy and as clinically appropriate during therapy with COMPLERA. <u>Routine monitoring of calculated creatinine clearance and serum phosphorus should be performed in patients at risk</u> for renal impairment, including patients who have previously experienced renal events while receiving HEPSERA.	It is recommended that creatinine clearance is calculated in all patients prior to initiating therapy with Eviplera and <u>renal function (creatinine clearance and serum phosphate) is also monitored every four weeks during the first year and then every three months. In patients at risk</u> for renal impairment, including patients who have previously experienced renal events while receiving adefovir dipivoxil, <u>consideration should be given to more frequent monitoring of renal function.</u>

377. Like its Viread EU, Truvada EU, and Atripla EU labeling, Gilead's Complera EU labeling also instructed physicians to increase monitoring and consider treatment interruption if the results of frequent monitoring showed that a patient's serum phosphate or creatinine clearance fell below a specified level. Gilead's U.S. labeling stated only that patients with creatinine clearance < 50 mL/min should not receive Complera:

Complera's U.S. Labeling 08/10/2011	Complera's EU Labeling 11/30/11
Since COMPLERA is a combination product and the dose of the individual components cannot be altered, patients with creatinine clearance below 50 mL per minute should not receive COMPLERA.	If serum phosphate is < 1.5 mg/dl (0.48 mmol/l) or creatinine clearance is decreased to < 50 ml/min in any patient receiving Eviplera, renal function should be re-evaluated within one week, including measurements of blood glucose, blood potassium and urine glucose concentrations (see section 4.8, proximal tubulopathy). Since Eviplera is a combination product and the dosing interval of the individual components cannot be altered, treatment with Eviplera must be interrupted in patients with confirmed creatinine clearance decreased to < 50 ml/min or decreases in serum phosphate to < 1.0 mg/dl (0.32 mmol/l).

378. In Complera's/Eviplera's most recent SmPC, Gilead instructs that creatinine clearance should be calculated in all patients prior to initiating therapy and renal function (creatinine clearance and serum phosphate) be monitored after two to four weeks of use, after three months of treatment and every three to six months thereafter in patients without renal risk factors. For patients at risk, Gilead states that more frequent monitoring is "required."

379. Gilead has updated its Complera EU labeling multiple times every year since 2011. Each time, Gilead determined that it should instruct doctors in the EU to monitor all patients' kidneys on a frequent, specific schedule using multiple markers of kidney function, including serum phosphorus.

380. On May 27, 2013, Stribild received approval to be marketed in the EU. As with Viread, Truvada, Atripla, and Complera, Gilead included in its Stribild EU labeling stronger monitoring warnings than its U.S. labeling at the time of approval:

Stribild U.S. Labeling 08/27/2012	Stribild's EU Labeling 05/27/2013
Estimated creatinine clearance, urine glucose and urine protein should be documented in all patients prior to initiating therapy.... <u>Routine monitoring of estimated creatinine clearance, urine glucose, and urine protein should be performed during STRIBILD therapy in all patients. Additionally, serum phosphorus should be measured in patients at risk for renal impairment.</u>	Creatinine clearance should be calculated and urine glucose and urine protein should be determined in all patients ... <u>Creatinine clearance, serum phosphate, urine glucose and urine protein should be monitored every four weeks during the first year and then every three months during Stribild therapy. In patients at risk for renal impairment consideration should be given to more frequent monitoring of renal function.</u>

381. Gilead also included in its Stribild EU labeling a stronger warning about initiating the drug in patients with mild renal impairment:

Stribild U.S. Labeling 08/27/2012	Stribild's EU Labeling 05/27/2013
STRIBILD should not be initiated in patients with estimated creatinine clearance below 70 mL per min.	Stribild should not be initiated in patients with creatinine clearance < 70 mL/min. <u>It is recommended that Stribild is not initiated in patients with creatinine clearance < 90 mL/min unless, after review of the available treatment options, it is considered that Stribild is the preferred treatment for the individual patient.</u>

1 382. In Stribild’s most recent SmPC, Gilead states that for patients at risk, physician
2 monitoring of creatinine clearance, serum phosphate, urine glucose, and urine protein more frequently
3 than every four weeks during the first year of treatment and then every three months during Stribild
4 therapy is “required.”

5 383. Gilead has updated its Stribild EU labeling multiple times every year since 2013. Each
6 time, Gilead determined that it should instruct doctors in the EU to monitor all patients’ kidneys on a
7 frequent, specific schedule using multiple markers of kidney function, including serum phosphorus.

8 384. Unlike Gilead’s U.S. labeling, Gilead’s EU labeling for Viread and Truvada also
9 discloses that a higher risk of renal impairment has been reported in patients receiving TDF as part of
10 a ritonavir or cobicistat-boosted regimen (like Stribild), and doctors should carefully evaluate whether
11 it is appropriate to prescribe TDF as part of a boosted regimen in patients with renal risk factors.

12 385. There is no medical, clinical, or scientific basis for the differences between the warnings
13 contained in Gilead’s labeling for its TDF-based products in the U.S. and its labeling for the same
14 products in the EU. Gilead knew that it should instruct doctors to monitor all patients for multiple
15 markers of kidney function on a frequent schedule but did not do so in the U.S.

16 386. Gilead was more concerned with increasing or maintaining TDF Drug sales in the U.S.
17 by downplaying the safety risk and the need for careful, frequent monitoring of all patients than it was
18 in safeguarding patients from the known risks of TDF toxicity.

19 387. In addition, until 2018, Gilead’s U.S. warnings about the need to monitor patients for
20 renal effects of Viread, Truvada, Atripla, and Complera were also far weaker than the warnings it gives
21 to monitor patients for renal effects of TAF, even though TAF is far less toxic to kidneys than TDF.
22 Gilead has consistently warned doctors to monitor all patients taking TAF-based drugs for multiple
23 markers of renal function, including urine glucose and urine protein, not just estimated creatinine
24 clearance.

25 388. For example, when the FDA approved Odefsey—the TAF version of Complera—on
26 March 1, 2016, Gilead gave stronger monitoring warnings for safer Odefsey than it did for Complera,
27 telling doctors that they should monitor all Odefsey patients, not just those at risk, for multiple markers
28 of kidney function:

Complera's U.S. Label 03/01/2016	Odefsey's Labeling 03/01/2016
<p><u>It is recommended that estimated creatinine clearance be assessed in all patients prior to initiating therapy and as clinically appropriate during therapy</u> with COMPLERA. In patients at risk of renal dysfunction, including patients who have previously experienced renal events while receiving HEPSERA®, it is recommended that estimated creatinine clearance, serum phosphorus, urine glucose, and urine protein be assessed prior to initiation of COMPLERA and periodically during COMPLERA therapy.</p>	<p><u>Estimated creatinine clearance, urine glucose and urine protein should be assessed before initiating ODEFSEY therapy and should be monitored during therapy in all patients.</u> Serum phosphorus should be monitored in patients with chronic kidney disease because these patients are at greater risk of developing Fanconi syndrome on tenofovir prodrugs. Discontinue ODEFSEY in patients who develop clinically significant decreases in renal function or evidence of Fanconi syndrome.⁶⁷</p>

389. When the FDA approved Descovy—the TAF version of Truvada—on April 4, 2016, Gilead gave stronger monitoring warnings for safer Descovy than it did for Truvada, telling doctors that they should monitor all Descovy patients, not just those at risk, for multiple markers of kidney function:

Truvada U.S. Labeling 04/04/2016	Descovy U.S. Labeling 04/04/2016
<p>It is recommended that <u>estimated creatinine clearance be assessed in all individuals prior to initiating therapy and as clinically appropriate during therapy</u> with TRUVADA. In patients at risk of renal dysfunction, including patients who have previously experienced renal events while receiving HEPSERA®, it is recommended that estimated creatinine clearance, serum phosphorus, urine glucose, and urine protein be assessed prior to initiation of TRUVADA, and periodically during TRUVADA therapy.</p>	<p><u>Estimated creatinine clearance, urine glucose, and urine protein should be assessed before initiating DESCOVY therapy and should be monitored during therapy in all patients.</u> Serum phosphorus should be monitored in patients with chronic kidney disease because these patients are at greater risk of developing Fanconi syndrome on tenofovir prodrugs. Discontinue DESCOVY in patients who develop clinically significant decreases in renal function or evidence of Fanconi syndrome.</p>

390. Gilead determined that it should give stronger monitoring warnings for its safer TAF-based drugs, yet failed to strengthen its TDF Drug warnings for years.

2. Gilead failed to adequately warn patients about the risks of TDF.

391. Gilead failed to adequately warn patients about the risks of TDF, and the need to routinely monitor all patients taking TDF, in direct-to-consumer advertising and in patient labeling.

⁶⁷ On August 17, 2017, Gilead updated its Odefsey label to tell doctors to all monitor all patients, not just those with chronic kidney disease, for serum phosphorus.

1 392. Gilead promoted its TDF Drugs directly to patients through direct-to-consumer
2 advertising, including print and online media. Like its sales force's promotion to doctors, Gilead's
3 consumer advertising downplayed the risks of TDF toxicity by, among other things, hiding risk
4 information relative to the benefits of the drugs, and suggesting that kidney and bone adverse events
5 only occurred in, and monitoring was only necessary for, patients with risk factors for such injuries.

6 393. For example, a print advertisement for Truvada that appeared in the November 2004
7 edition of *The Advocate*, the oldest and largest lesbian, gay, bisexual, and transgender magazine in the
8 U.S., stated under the heading "Important Safety Information" that: "If you have had kidney problems
9 or take other medicines that can cause kidney problems, your medical professional should do regular
10 blood tests to check your kidneys." Yet Gilead knew by this time that adverse kidney events were not
11 limited to at risk patients, and thus should have warned doctors and patients about the need for frequent
12 monitoring of all patients.

13 394. On March 26, 2010, the FDA issued another Warning Letter to Gilead, this time in
14 connection with Gilead's direct-to-consumer print advertising for Truvada. The FDA stated that
15 Gilead's Truvada advertisement was false and misleading because it overstated the efficacy of Truvada
16 and minimized the risks associated with the drug, in violation of the Federal Food, Drug, and Cosmetic
17 Act and FDA implementing regulations. The FDA noted that Truvada is associated with "serious risks"
18 like new onset or worsening renal impairment, including cases of acute renal failure and Fanconi
19 syndrome (renal tubular injury with severe hypophosphatemia), and decreases in bone mineral density,
20 including cases of osteomalacia (associated with proximal renal tubulopathy and which may contribute
21 to fractures). The agency stated that Gilead's Truvada advertising was false or misleading because it
22 failed to present the risks associated with Truvada with a prominence and readability comparable to
23 the statements regarding the drug's benefits.

24 395. In addition to the reasons set forth in the Warning Letter, the Truvada advertising was
25 also false and misleading because, like the earlier Truvada advertising, it continued to suggest that
26 kidney problems only occurred in, and monitoring was also necessary for, patients that had had kidney
27 problems in the past or took other medications that can cause kidney problems.

1 396. Upon information and belief, Gilead’s other direct-to-consumer advertising for Viread,
2 Truvada, Atripla, and Complera similarly failed to adequately warn patients about the true risk of TDF
3 and the need to routinely monitor all patients for TDF-associated kidney and bone effects.

4 397. Gilead’s patient package inserts for Viread, Truvada, Atripla, and Complera also failed
5 to warn about all patients’ need to be routinely monitored by their doctors for adverse kidney and bone
6 effects. The patient package inserts said nothing for years about monitoring anyone other those who
7 were already at risk for kidney and bone problems despite Gilead’s knowledge that TDF was injuring
8 patients without identified risk factors for such injuries.

9 398. Gilead’s patient package inserts for Viread, Truvada, Atripla, and Complera failed to
10 adequately warn patients even after Gilead had inadequately updated the warnings in its prescriber
11 labeling.

12 399. For example, Gilead did not disclose to patients that Viread may cause “new or worse
13 kidney problems” until more than two years after Gilead added that warning to the Viread prescriber
14 labeling. And Gilead waited many more years before it added the “new or worse kidney problems”
15 disclosure to the patient package inserts for other TDF products; it did not appear in the Truvada patient
16 package insert until June 17, 2013 and did not appear in the Atripla patient package insert until July
17 25, 2018—nearly five and ten years respectively after Gilead first warned doctors that TDF may cause
18 “new onset or worsening renal impairment.”

19 400. Gilead similarly delayed disclosing to patients in the patient package inserts about
20 doctors’ need to assess all plaintiffs’ kidney function prior to initiating treatment with TDF. Although
21 Gilead added that warning to the Viread prescriber labeling in May 2007, it did not tell patients that
22 “[y]our healthcare provider should do blood tests to check your kidneys before you start treatment”
23 with TDF until August 16, 2012, for Viread, May 15, 2018, for Truvada, July 25, 2018, for Atripla,
24 and January 25, 2013, for Complera. At a minimum, Gilead was grossly negligent in failing to ensure
25 that its warnings to patients were consistent with those it gave to doctors and the patient warnings it
26 gave were consistent among its various TDF Drugs.

1 **3. Gilead could have unilaterally strengthened its TDF drug labels.**

2 401. Gilead could have strengthened the Warnings, Precautions, and Adverse Events
3 sections of the labels for its TDF Drugs unilaterally without prior FDA approval.

4 **a. Gilead could have unilaterally strengthened its warnings before FDA**
5 **approval.**

6 402. Each time Gilead sought FDA approval for a new TDF Drug, it could have strengthened
7 its label before the drug obtained FDA approval. Gilead bears primary responsibility for its drug
8 labeling at all times, and was responsible for crafting adequate labels before the drugs were FDA
9 approved. No federal law prevented Gilead from submitting a stronger warning label to the FDA prior
10 to the initial approval of the TDF Drugs. And the FDA would not have prevented Gilead from
11 strengthening its monitoring warnings in advance of FDA approval.

12 403. Gilead's initial EU label for its first TDF Drug, Viread, included stronger monitoring
13 warnings. As it did in the EU, Gilead could have included stronger warnings in its initial Viread label
14 in the U.S.—had Gilead been concerned with patient safety rather than U.S. sales.

15 404. Moreover, before Gilead submitted Truvada, Atripla, Complera, and Stribild for FDA
16 approval in the U.S., it knew that it gave stronger monitoring warnings for its TDF Drugs in the EU.
17 Gilead knew, as evidenced by its EU labels, that stronger warnings were warranted. It could have and
18 should have used this knowledge to strengthen its U.S. labels.

19 405. In addition, once TDF was on the market, each time Gilead submitted a new TDF Drug
20 for FDA approval, it did so with years of cumulative knowledge as to the adverse toxic effects of TDF.
21 Faced with accumulating information about adverse kidney and bone toxicity, including in patients
22 without preexisting risk factors, Gilead could have strengthened its monitoring warnings before
23 submitting the drugs for FDA approval.

24 406. The FDA would not have rejected Gilead's stronger warnings. The FDA has, in fact,
25 approved labels including stronger monitoring warnings for the TDF Drugs, as well as the safer TAF
26 drugs.

b. Gilead could have unilaterally strengthened its warnings after FDA approval.

(1) Before August 22, 2008

407. Prior to August 22, 2008, Gilead could have strengthened its Viread, Truvada, and Atripla labels via CBE without prior FDA approval. Under the CBE regulation in effect during that time, Gilead could have simply submitted a supplemental submission strengthening the labels' warnings and/or its instructions about the safe administration of the drugs. 21 C.F.R. § 314.70(c)(6)(iii).

408. Among other things, Gilead could have strengthened the labels' warnings by providing additional information about laboratory tests helpful in following the patient's response or identifying possible adverse reactions, including such factors as the range of normal and abnormal values and the recommended frequency with which tests should be performed before, during, and after therapy. 21 C.F.R. § 201.57(c)(6).

409. Prior to August 22, 2008, Gilead could have strengthened its labels via CBE without regard to whether it possessed information that it did not previously provide to the FDA.

410. The FDA would not have rejected Gilead's supplemental submission to strengthen the TDF labels. The FDA has, in fact, approved labels including stronger monitoring warnings for the TDF Drugs, as well as the safer TAF drugs.

(2) On and after August 22, 2008, through July 2012

411. On and after August 22, 2008, when the CBE regulation was amended, Gilead could have unilaterally strengthened its labels for Viread, Truvada, Atripla, and Complera post-FDA approval based on "newly acquired information," *i.e.*, information that was not previously presented to the FDA.

412. Gilead could have strengthened the Warnings, Precautions, and Adverse Events sections of its labels unilaterally, without requiring prior FDA approval, based on, among other things: increasing post-approval evidence that patients with and without preexisting risk factors were experiencing kidney and bone adverse effects with a frequency greater than reported in Gilead's clinical trials; expanding post-approval evidence that all patients are at risk for TDF-induced

1 nephrotoxicity, meaning that doctors should monitor all patients for multiple indicators of renal
2 function, including tubular dysfunction; and Gilead's own post-approval determinations to give
3 stronger warnings regarding the exact same TDF Drugs in the EU.

4 413. Except for Stribild, Gilead's clinical trials of the TDF Drugs, upon which FDA approval
5 was based, did not show significant nephrotoxicity of TDF, despite preclinical evidence demonstrating
6 that TDF could be highly toxic to kidneys and bones. However, once Gilead started marketing TDF,
7 patients quickly began experiencing TDF's nephrotoxic effects, some severe and irreversible.
8 Although the FDA became aware, after the clinical trials through adverse event reporting, that TDF
9 was injuring patients' kidneys and bones, it did not know the true frequency or severity of adverse
10 events, injury, or risk associated with TDF.

11 414. On May 21, 2007, Gilead changed its Viread label to instruct doctors to calculate
12 creatinine clearance in all patients before initiating treatment with TDF and as clinically appropriate
13 during therapy. Gilead recommended the monitoring of creatinine clearance and serum phosphorus
14 only for patients at risk of renal impairment.

15 415. This warning remained inadequate because it failed to instruct doctors to frequently
16 monitor all patients for sufficiently sensitive markers of kidney function that could detect early signs
17 of nephrotoxicity and thus prevent or lessen the harm of TDF. As Gilead had known since at least
18 2002, TDF was injuring patients with no preexisting risk factors for kidney impairment. Gilead's May
19 21, 2007 label change perpetuated the false distinction between patients "at risk" for TDF-induced
20 nephrotoxicity and everyone else. But as subsequent studies would make clear, while there may be
21 certain factors that increase a patient's risk of TDF-induced renal damage, *all TDF patients are at*
22 *risk*—making frequent, careful monitoring of all patients essential for safe use of the drug.

23 416. As clinicians' experience with TDF grew, the medical literature recognized that even if
24 TDF may not frequently impair kidneys' *glomerular function*—as measured by serum creatinine or
25 creatinine clearance—in the absence of established risk factors, TDF-induced damage to kidneys'
26 *tubular function* is much more common and cannot be adequately predicted by traditional risk factors
27 for kidney impairment or detected by monitoring for glomerular function. These new studies
28 demonstrated a heightened risk to all patients, leading study authors to conclude that all patients must

1 be frequently monitored for markers of tubular function—e.g., serum phosphorus, in addition to
2 creatinine clearance.

3 417. For example, the 2009 paper, Labarga P., *et al.*, “Kidney tubular abnormalities in the
4 absence of impaired glomerular function in HIV patients treated with tenofovir,” described the study
5 of glomerular and tubular function in 284 patients, 154 of whom took TDF, 49 of whom took another
6 HIV regimen, and 81 of whom took no antiretroviral drugs. The authors found that glomerular
7 function, as measured by plasma creatinine levels or creatinine clearance or both, was within normal
8 limits and comparable among all study groups. Tubular dysfunction, on the other hand, was far more
9 frequent in the TDF group (22%), as compared to those never treated with TDF (6%) or never exposed
10 to antiretrovirals (12%). The authors also identified three TDF patients with complete Fanconi
11 syndrome (the signature TDF toxicity), even though each patient’s creatinine clearance was within the
12 normal range. After follow-up, the data showed that the TDF patients had a significantly greater risk
13 for tubular damage than patients never treated with TDF: an estimated 25% rate of tubular dysfunction
14 at 4 years for TDF patients compared to null for the rest.

15 418. The Labarga study also found that no risk factor other than TDF use and old age was
16 predictive of tubular dysfunction. And because estimates of glomerular function like creatinine
17 clearance were not predictive of tubular function, the authors explained that unless tubular parameters
18 like urine glucose and/or phosphorus are routinely monitored, tubular abnormalities may go
19 undiagnosed. And if tubular damage persists unnoticed, patients may progress to more severe kidney
20 damage and experience a chronic loss of phosphorus, leading to bone mineral density loss and
21 premature osteoporosis. The authors recommended that all TDF patients be monitored for signs of
22 tubular damage so that a switch in therapy could be considered in the event of progressive
23 deterioration.

24 419. A 2011 article, Hall AM *et al.*, “Tenofovir-associated kidney toxicity in HIV-infected
25 patients: a review of the evidence,” conducted a literature review and further addressed the disconnect
26 between results of studies examining markers of glomerular function with the nephrotoxicity seen in
27 practice. The authors noted that prior studies tended to establish that TDF was not often significantly
28 toxic to the glomerulus—which contrasted with the authors’ clinical experience in treating TDF

1 patients for nephrotoxicity. In practice, TDF-associated nephrotoxicity was the authors' most common
2 reason for referral of HIV patients to specialist renal services. The authors explained that the main site
3 of TDF toxicity was the proximal renal tubule (not the glomerulus) and that proximal tubule
4 dysfunction may not be detected by measuring glomerular filtration.

5 420. Because (a) TDF-associated nephrotoxicity can occur in patients without obvious risks
6 factors and at highly variable times after the initiation of therapy, and (b) standard tests of glomerular
7 function are insufficiently sensitive to detect early or mild cases of nephrotoxicity, the authors
8 concluded that all patients on TDF should be carefully and routinely monitored (every 3 months during
9 the first year then twice yearly) for signs of both glomerular and tubular dysfunction so that long-term
10 effects on kidney and bone health can be assessed.

11 421. A 2012 paper, Scherzer, R., *et al.*, "Association of Tenofovir Exposure with Kidney
12 Disease Risk in HIV Infection," discussed the authors' study of 10,841 HIV-infected patients from the
13 Veterans Health Administration to assess the associations of tenofovir with kidney disease outcomes.
14 The authors found that each year of tenofovir exposure was associated with a 34% increased risk of
15 proteinuria, 11% increased risk of rapid decline in kidney function, and 33% increased risk of chronic
16 kidney disease. The results provided "strong evidence that tenofovir may cause clinically significant
17 toxicity to the kidney that is not reversible." The study also demonstrated that traditional risk factors
18 did not worsen the effects of tenofovir. The authors concluded that "while traditional risk factors such
19 as hypertension, older age, and diabetes may increase the risk for kidney disease, tenofovir is
20 associated with elevated risk even in patients without preexisting risk factors."⁶⁸

21 422. The authors explained the strength of their results in light of the study's large patient
22 population and inclusion of patients who are often excluded from clinical trials or do not qualify or
23 volunteer for cohort studies. The authors contrasted their study with the design of previous studies
24
25

26 ⁶⁸ The FDA cited the Scherzer study in connection with its medical review of the Stribild NDA in
27 July 2012. At most, this demonstrates the FDA's knowledge of this study as of July 2012—
28 approximately 4 years after the CBE regulation requiring "newly acquired information" became
effective. Plaintiffs do not assert post-FDA approval failure to warn claims with respect to Stribild.

1 which made them less able to detect statistically significant associations between tenofovir use and
2 kidney disease.

3 423. A 2013 paper, Reynes, J., *et al.*, “Tubular and glomerular proteinuria in HIV-infected
4 adults with estimated glomerular filtration rate ≥ 60 ml/min per 1.73,” recommended that all TDF
5 patients be systematically monitored for markers of tubular injury in light of the authors’ finding that
6 nearly 20% of 1200 patients had proteinuria even though they had a normal creatinine-based estimated
7 glomerular filtration rate.

8 424. And a 2014 paper, Bonjoch, A., *et al.*, “High prevalence of signs of renal damage
9 despite normal renal function in a cohort of HIV-infected patients: evaluation of associated factors,”
10 also found that signs of renal damage were “highly frequent” even in patients with a normal estimated
11 glomerular filtration rate. The authors concluded that the data demonstrated the need for early
12 detection of renal injury, even in patients with normal renal function.

13 425. These papers, and others in this timeframe that demonstrated a high percentage of TDF
14 patients with proximal renal tubular dysfunction, stand in stark contrast to Gilead’s Viread clinical
15 trials and subsequent attempts to maintain that only some TDF patients are at risk. Unlike the Viread
16 clinical trials, these papers showed significant nephrotoxicity of TDF—with toxicity occurring at a
17 high frequency and high risks of kidney disease outcomes looming even in patients with normal
18 glomerular function and without traditional risk factors.

19 426. The clinical trials reported that the frequency of renal events leading to drug
20 discontinuation was low (0.4%). Despite these results, Gilead knew that the potential for TDF to be
21 toxic was high, particularly in real world settings over the long-term. And, indeed, multiple
22 retrospective studies have demonstrated that the rate of renal adverse events leading to drug
23 discontinuation was many times higher than what was reported in clinical trials. For example, the 2011
24 paper, “Tenofovir-induced renal toxicity in 324 HIV-infected antiretroviral-naïve patients,” found that
25 drug discontinuation due to decline in GFR or tubular dysfunction was 9.2%.

26 427. Postmarketing adverse event reports did not put the FDA on notice of the frequency or
27 severity of the risk. Adverse event reports underreport the true incidence of adverse events because
28 they are based on voluntary reporting. And they do not reflect the damage TDF inflicts on kidneys and

1 bones before renal function declines, the risk of future adverse kidney or bone outcomes, nor the
2 benefits of frequent, careful monitoring of all patients for early signs of nephrotoxicity as demonstrated
3 by these new studies.

4 428. Further, there is no evidence that Gilead submitted to the FDA analyses demonstrating
5 that TDF patients have a high frequency of renal damage or the true extent of the risk nephrotoxicity
6 poses to all TDF patients even if they have normal glomerular function or do not have preexisting risk
7 factors.

8 429. Gilead did not submit analyses to the FDA establishing the full extent of the frequency
9 or severity of risk that TDF poses to all patients, nor did it tell the FDA that the one marker of kidney
10 function Gilead was warning doctors to monitor in all patients after May 21, 2007 could not adequately
11 detect the type of kidney injury that was frequently occurring in all TDF patients (and, which left
12 unchecked, would cause more severe kidney injury and also harm patients' bones). Gilead could have
13 analyzed the accumulating data demonstrating the higher frequency and severity of the risk to all TDF
14 patients and strengthened its warnings, but did not.

15 430. Until the FDA's review of the Stribild NDA in 2012, there is no evidence that the
16 agency reviewed any medical literature regarding TDF or other analyses describing how post-approval
17 renal and bone injury and/or adverse events were occurring at a frequency or severity much greater
18 than that reported in the registrational clinical trials. The FDA based its approval of Viread on the
19 preclinical data and clinical trials Gilead submitted in its Viread NDA. After Viread was approved, the
20 FDA based its approvals of the Truvada, Atripla, and Complera NDAs on Gilead's data showing the
21 bioequivalence of those combination drugs to their individual components. The FDA's approvals of
22 Truvada, Atripla, and Complera were not based on any new clinical studies or other analyses regarding
23 safety of TDF. When the FDA conducted a more searching review in connection with the Stribild
24 NDA, Gilead proposed and the FDA approved stronger monitoring warnings for Stribild, which
25 included recommending the monitoring of all patients for glomerular and tubular injury.

26 431. Unlike in the U.S., Gilead did warn—since 2002—physicians in the EU to frequently
27 monitor all patients for both glomerular (creatinine clearance) and tubular (serum phosphorus) injury.
28 In fact, after Gilead received FDA approval to market each of the TDF Drugs, it repeatedly determined

1 to give stronger monitoring warnings for the exact same TDF Drugs in the EU. Upon information and
2 belief, Gilead did not disclose to the FDA that it gave stronger monitoring warnings in the EU for the
3 exact same products nor did it disclose its scientific or medical reasons for doing so.

4 432. In addition, once Gilead finally launched the safer TAF-based drugs (after approval of
5 the TDF Drugs) it also gave stronger monitoring warnings for the safer TAF drugs than it gave in the
6 TDF Drugs' labels, including recommending that doctors monitor all patients for both glomerular and
7 tubular injury.

8 433. The FDA would not have rejected a label change strengthening monitoring
9 recommendations to protect all patients from risks of TDF-induced kidney and bone adverse effects.
10 In 2018, the FDA did, in fact, approve labels including stronger monitoring warnings for Viread,
11 Truvada, Atripla, and Complera, like it did for the safer TAF drugs years earlier.

12 VI. TOLLING OF THE STATUTE OF LIMITATIONS

13 434. Gilead misrepresented that TAF was "new" despite knowing that it had discovered the
14 benefits of TAF even before Viread was approved in 2001.

15 435. Gilead misrepresented the reasons that it shelved TAF in 2004, asserting that TAF could
16 not be differentiated from TDF when it knew that TAF was, in fact, highly differentiated from TDF.

17 436. Gilead concealed that it shelved TAF in 2004 in order to extend the lifecycle of its HIV
18 product portfolio while patients were injured by TDF-induced kidney and bone toxicity.

19 437. Gilead misrepresented that it renewed development of TAF because of the needs of an
20 aging HIV population. Gilead knew by 2004 when it halted TAF development that, as a result of cART,
21 many HIV patients had a normal life expectancy.

22 438. For years, Gilead has publicized the pretext for its decision to halt and then renew TAF
23 development in order to conceal the existence of Plaintiffs' claims.

24 439. Gilead concealed that it did not reduce the dose of TDF in Stribild even though it knew
25 to reduce the tenofovir prodrug dose when combined with cobicistat.

26 440. Gilead concealed the true risk of kidney and bone injuries TDF posed to patients who
27 did not have preexisting risk factors for such injuries and concealed from U.S. doctors and patients
28 what it knew about the need to monitor all patients for TDF associated toxicity.

441. Because of Gilead's misrepresentations and omissions, plaintiffs did not know and had no reason to suspect that Gilead's wrongdoing was the cause of their injuries and could not have discovered their claims.

442. No reasonable person taking TDF-based drugs and experiencing kidney and bone toxicities would have suspected that Gilead purposefully withheld a safer design that would have ameliorated those very side effects.

443. No reasonable person without prior risk factors for renal or bone harm taking TDF-based drugs and experiencing kidney and bone toxicities would have suspected that Gilead failed to adequately warn them because the label misleadingly suggests that only patients with preexisting risk factors were in danger.

444. No reasonable person would have suspected that Gilead provided stronger warnings to patients and doctors in the EU than it did in the U.S. for the exact same TDF products.

445. Gilead's misrepresentations and omissions would lead a reasonable person to believe that he or she did not have a claim for relief.

446. Because of Gilead's misrepresentations and omissions, neither Plaintiffs nor any reasonable person would have had reason to conduct an investigation. Once Plaintiffs suspected that Gilead's wrongdoing was the cause of their injuries, they were diligent in trying to uncover the facts.

447. Gilead's misrepresentations and omissions regarding its refusal to earlier market TAF-designed products and the true risks of TDF constitute continuing wrongs that continue to this day.

VII. CLAIMS FOR RELIEF⁶⁹

COUNT I

STRICT PRODUCTS LIABILITY – DESIGN DEFECT UNDER THE LAWS OF THE STATES OF ALABAMA,⁷⁰ FLORIDA, GEORGIA, KENTUCKY, ILLINOIS, NEW YORK, OREGON, TENNESSEE, AND TEXAS

448. Plaintiffs reallege and incorporate the allegations made above as if fully set forth below.

⁶⁹ Plaintiffs assert claims under the laws of the states in which they reside or ingested the relevant TDF Drugs.

⁷⁰ The Alabama Plaintiffs assert their claims under the judicially-created Alabama Extended Manufacturer's Liability Doctrine ("AEMLD").

1 449. Plaintiffs assert pre-approval design defect claims.

2 450. Gilead is the manufacturer and seller of the TDF Drugs.

3 451. The TDF Drugs reached Plaintiffs without substantial change to the condition in which
4 they were sold.

5 452. The TDF Drugs are unreasonably dangerous and unsafe for their intended purpose
6 because they include TDF, which causes kidney and bone toxicity, as the design for delivering
7 tenofovir to the body. The design defect existed in these products at the time they left Gilead's
8 possession.

9 453. Stribild is also unreasonably dangerous and unsafe for its intended purpose because it
10 combines 300 mg TDF with cobicistat, which enhances TDF toxicity. The design defects existed in
11 Stribild at the time it left Gilead's possession.

12 454. The TDF Drugs are not as safe as current technology could make them, nor were they
13 as safe as then-current technology could make them when Gilead first manufactured and distributed
14 each of the TDF Drugs.

15 455. The TDF Drugs were not incapable of being made safe at the time of manufacture and
16 distribution. Gilead knew, before it manufactured and distributed each of the TDF Drugs, that TAF
17 was more potent than TDF and reduced the risk of kidney and bone toxicity compared to TDF. Gilead
18 also knew that it could reduce the dose of TDF in Stribild and achieve the same antiviral response with
19 less kidney and bone toxicity. The TDF Drugs are therefore not unavoidably unsafe.

20 456. The risks of patient harm associated with TDF-induced kidney and bone toxicity were
21 both known to and foreseeable to Gilead.

22 457. Gilead could have reduced or prevented the foreseeable risks of harm associated with
23 TDF by adopting a reasonable and feasible alternative design before FDA approval. Gilead could have
24 incorporated the safer TAF design, which it knew reduces the risks of kidney and bone toxicity and is
25 safer than TDF, into the TDF Drugs before they were approved by the FDA. Gilead did utilize the
26 TAF design instead of TDF in other FDA-approved products that are identical to the TDF Drugs except
27 for the substitution of TAF for TDF. Gilead markets its TAF-designed products as safer than the TDF
28

1 Drugs and advocates that doctors switch their patients from a TAF-designed to a TDF-designed
2 product because of TAF's superior safety profile with respect to kidney and bone toxicity.

3 458. A drug product containing TAF could have and would have been FDA approved and
4 on the market years earlier if Gilead had not purposefully shelved the TAF design for approximately
5 six years in order to make more money.

6 459. Gilead could have reduced or prevented the foreseeable risks of harm associated with
7 Stribild by adopting another reasonable and feasible alternative design before FDA approval. Gilead
8 could have reduced the dose of TDF in Stribild before it was approved by the FDA because, as it knew
9 for years, tenofovir concentrations rise significantly when tenofovir is combined with a boosting agent
10 like cobicistat. The reasonableness and feasibility of this alternative design is demonstrated by, *inter*
11 *alia*, the fact that Gilead reduced the dose of the tenofovir prodrug TAF in Genvoya, which is identical
12 to Stribild except for the substitution of TAF for TDF.

13 460. The likelihood and severity of the kidney and bone injuries suffered by patients like
14 Plaintiffs far outweighed Gilead's burden in taking safety measures to reduce or avoid the harm. Given
15 the sheer number of people taking the TDF Drugs, including over the long-term, there was a high
16 likelihood that TDF would injure a very large number of patients, and that a significant number of
17 those injuries would be irreversible. Gilead's burden was small. Gilead had already discovered the
18 safer TAF method of introducing tenofovir into the body before it sought FDA approval for each of
19 the TDF Drugs and using the TAF design would have no adverse impact on the utility of the products.

20 461. TAF-based alternative designs, and a reduced TDF dose design of Stribild, would have
21 accomplished the product's purpose at lesser risk. This is how Gilead markets its TAF-designed
22 products today—as equally or more effective than the TDF Drugs with a reduced risk of kidney and
23 bone toxicity.

24 462. Gilead knew that ordinary patients would use the TDF Drugs without knowledge of the
25 hazards involved in such use. The TDF Drugs failed to perform as an ordinary consumer would expect.

26 463. Gilead knowingly designed its TDF Drugs with TDF rather than safer TAF to maximize
27 profits on its portfolio of TDF profits and extend the lifecycle of its HIV franchise, which formed the
28

backbone of Gilead's operations. Gilead withheld its safer TAF design to make more money at the expense of patients' health.

464. The benefit in promoting enhanced accountability through strict products liability outweighs the benefit of a product that Gilead should have and could have made safer years earlier.

465. Plaintiffs ingested one or more of the TDF Drugs for an approved purpose and experienced bone and/or kidney injuries while taking TDF.

466. Plaintiffs' bone and kidney toxicity-related injuries were directly and proximately caused by TDF while Plaintiffs used the TDF Drugs in a reasonably foreseeable manner.

COUNT II

STRICT PRODUCTS LIABILITY – FAILURE TO WARN UNDER THE LAWS OF THE STATES OF ALABAMA, FLORIDA, GEORGIA, KENTUCKY, ILLINOIS, NEW YORK, OREGON, AND TENNESSEE

467. Plaintiffs reallege and incorporate the allegations made above as if fully set forth below.

468. Plaintiffs allege failure to warn claims based on Gilead's ability to strengthen its U.S. labels before FDA approval for all TDF Drugs and after FDA approval for Viread, Truvada, Atripla, and Complera through July 2012.

469. Gilead is the manufacturer and seller of the TDF Drugs.

470. Gilead was aware of the risks TDF posed to patients' kidneys and bones, and the risks TDF posed to patients' kidneys and bones were knowable, at the time Gilead manufactured, sold, or distributed the TDF Drugs.

471. The risks TDF posed to patients' kidneys and bones were known or knowable in light of the scientific and medical knowledge available at the time of manufacture and distribution.

472. The need to frequently monitor all TDF patients for kidney toxicity using more than one insufficient marker of kidney function to ensure the safe use of TDF was known or knowable in light of the scientific and medical knowledge available at the time of manufacture and distribution of the TDF Drugs.

473. TDF posed a substantial danger to patients' kidneys and bones.

474. Ordinary consumers and physicians would not have recognized the potential risks TDF posed to patients' kidneys and bones.

1 475. Gilead failed to adequately warn Plaintiffs and Plaintiffs’ physicians about the risks
2 TDF posed to patients’ kidneys and bones, and the proper and safe use of the TDF Drugs.

3 476. The inadequate warnings and instructions Gilead did provide were minimized, eroded,
4 and nullified by Gilead’s improper promotion of the TDF Drugs to doctors.

5 477. Gilead failed to adequately warn Plaintiffs and Plaintiffs’ physicians that all TDF
6 patients needed to be monitored frequently, on a specific schedule, for TDF-associated toxicity.

7 478. Gilead failed to adequately warn Plaintiffs and Plaintiffs’ physicians that all TDF
8 patients’ kidney function needs to be monitored by measuring more than one insufficient marker of
9 kidney function.

10 479. Plaintiffs were injured by using TDF in a reasonably foreseeable way.

11 480. The lack of adequate warnings and instructions was a substantial factor in causing
12 Plaintiffs’ injuries.

13 481. Had Gilead adequately warned and instructed Plaintiffs, Plaintiffs would have taken the
14 TDF Drugs in a safer way.

15 482. Had Gilead adequately warned and instructed Plaintiffs’ doctors, Plaintiffs’ doctors
16 would have read and heeded such adequate warnings and instructions.

17 483. Plaintiffs’ properly warned physicians would have monitored Plaintiffs differently—by
18 frequently monitoring Plaintiffs using sufficiently sensitive markers of kidney function that would
19 have alerted doctors to early signs of nephrotoxicity, including tubular damage that leads to more
20 severe renal adverse events and bone mineral density loss. Once they recognized the signs of
21 nephrotoxicity, Plaintiffs’ physicians would have taken further action after weighing their treatment
22 options, such as increased monitoring, less frequent dosing, or drug discontinuation, before the damage
23 manifested, worsened, or became irreversible. Plaintiffs’ properly warned physicians would have
24 detected TDF toxicity earlier, thus preventing or lessening Plaintiffs’ injuries.

25 484. Plaintiffs’ bone and kidney toxicity-related injuries were directly and proximately
26 caused by Gilead’s inadequate warnings.

COUNT III**INDIANA PRODUCTS LIABILITY ACT, BURNS IND. CODE ANN. §§ 34-20-1-1 ET SEQ.**

485. Indiana Plaintiffs reallege and incorporate the allegations made above as if fully set forth below, including but not limited to the allegations specifically contained in the paragraphs corresponding to Counts I and II above.

486. Plaintiffs assert pre-approval design defect claims.

487. Gilead sold or otherwise put the TDF Drugs into the stream of commerce in a defective condition unreasonably dangerous to users and consumers like Plaintiffs.

488. The TDF Drugs are defective in design and because Gilead failed to adequately warn about the dangers and proper use of the products. Plaintiffs allege failure to warn claims based on Gilead's ability to strengthen its U.S. labels before FDA approval for all TDF Drugs and after FDA approval for Viread, Truvada, Atripla, and Complera through July 2012.

489. Indiana Plaintiffs are in the class of persons that Gilead should reasonably foresee as being subject to the harm caused by the TDF Drugs' defective condition.

490. Gilead is in the business of selling pharmaceuticals like the TDF Drugs.

491. The TDF Drugs were expected to and did reach users and consumers like Plaintiffs without substantial alteration in the condition in which Gilead sold them.

492. At the time Gilead conveyed the TDF Drugs to another party, and before FDA approval, the TDF Drugs were in a defective condition not contemplated by reasonable persons among those considered expected users or consumers of the products and that will be unreasonably dangerous to the expected user or consumer when used in reasonably expected ways of handling or consumption.

493. The TDF Drugs are defective because Gilead failed to properly and adequately label the products to give reasonable warnings of the danger about the products or give reasonably complete instructions on proper use of the products. By exercising reasonable diligence, Gilead could have made adequate warnings and instructions available to users like Plaintiffs.

494. Gilead failed to exercise reasonable care under the circumstances in designing the TDF Drugs and in providing warnings or instructions regarding the TDF Drugs.

1 523. At the time the TDF Drugs left Gilead's control, and before FDA approval, the
2 foreseeable risks associated with the design exceeded the benefits of the design.

3 524. At the time the TDF Drugs left Gilead's control, and before FDA approval, there existed
4 a practical and technically feasible alternative design or formulation that would have prevented the
5 harm for which Plaintiffs seek to recover compensatory damages without substantially impairing the
6 usefulness or intended purpose of the product.

7 525. The TDF Drugs were and are not unavoidably unsafe. Based on the state of technical,
8 scientific and medical knowledge at the time the TDF Drugs left Gilead's control, and before FDA
9 approval, Gilead could have made the TDF Drugs safe by utilizing the TAF design.

10 526. At the time the TDF Drugs left Gilead's control, and before FDA approval, Gilead
11 knew, or in the exercise of reasonable care, should have known about the risk of TDF-induced kidney
12 and bone toxicity and Gilead failed to provide the warning or instruction that a manufacturer exercising
13 reasonable care would have provided regarding that risks, in light of the likelihood that the product
14 would cause harm to patients' kidneys and bones and the severity of that harm.

15 527. Plaintiffs allege failure to warn claims based on Gilead's ability to strengthen its U.S.
16 labels before FDA approval for all TDF Drugs and after FDA approval for Viread, Truvada, Atripla,
17 and Complera through July 2012.

18 528. At the relevant time after the TDF Drugs left Gilead's control, and before FDA
19 approval, Gilead knew, or in the exercise of reasonable care, should have known about the risk of
20 TDF-induced kidney and bone toxicity and Gilead failed to provide the post-marketing warning or
21 instruction that a manufacturer exercising reasonable care would have provided regarding the risks, in
22 light of the likelihood that the product would cause harm to patients' kidneys and bones and the
23 severity of that harm.

24 529. At the time the TDF Drugs left Gilead's control, and before FDA approval, they did not
25 conform to Gilead's representations regarding the safety of the drugs.

26 530. The defective condition of the TDF Drugs proximately caused Ohio Plaintiffs' injuries
27 and damages for which recovery is sought.
28

COUNT VIII

WASHINGTON PRODUCTS LIABILITY ACT, WASH. REV. CODE §§ 7.72-010 ET SEQ.

531. Washington Plaintiffs reallege and incorporate the allegations made above as if fully set forth below, including but not limited to the allegations specifically contained in the paragraphs corresponding to Counts I and II above.

532. Plaintiffs assert pre-approval design defect claims.

533. The TDF Drugs are not reasonably safe as designed and not reasonably safe because adequate warnings or instructions were not provided.

534. At the time of manufacture, and before FDA approval, the likelihood that the TDF Drugs would cause Plaintiffs' harm or similar harms, and the seriousness of those harms, outweighed the burden on the manufacturer to design a product that would have prevented those harms and the adverse effect that an alternative design that was practical and feasible would have on the usefulness of the product.

535. Plaintiffs allege failure to warn claims based on Gilead's ability to strengthen its U.S. labels before FDA approval for all TDF Drugs and after FDA approval for Viread, Truvada, Atripla, and Complera through July 2012.

536. At the time of manufacture, and before FDA approval, the likelihood that the TDF Drugs would cause Plaintiffs' harm or similar harms, and the seriousness of those harms, rendered the warnings or instructions inadequate and Gilead could have provided adequate warnings or instructions.

537. After the time of manufacturer, and before FDA approval, Gilead learned or a reasonably prudent manufacturer should have learned about a danger connected with the TDF Drugs. Gilead's failure to exercise reasonable care to inform consumers about the dangers after it learned about them rendered the warnings or instructions inadequate.

538. The defective and unreasonably dangerous condition of the TDF Drugs proximately caused Washington Plaintiffs' injuries and damages for which recovery is sought.

COUNT IX

**NEGLIGENCE AND GROSS NEGLIGENCE
UNDER THE LAWS OF THE STATES OF ALABAMA, FLORIDA, GEORGIA, ILLINOIS,
KENTUCKY, NEW YORK, OHIO, OREGON, PENNSYLVANIA, TENNESSEE, AND
TEXAS**

539. Plaintiffs reallege and incorporate the allegations made above as if fully set forth below.

540. Gilead has a duty to exercise ordinary care in the design, manufacture, marketing, and sale of its pharmaceutical products, including the TDF Drugs.

541. Gilead has a duty to refrain from selling unreasonably dangerous products, including the duty to ensure that its pharmaceutical products do not cause patients to suffer from foreseeable risks of harm.

542. Gilead has a duty to monitor the adverse effects associated with its pharmaceutical products, including the TDF Drugs.

543. Gilead has a continuing duty to warn of the adverse effects associated with its pharmaceutical products, including the TDF Drugs, to avoid reasonably foreseeable risks.

544. Gilead has a duty to identify any laboratory tests helpful in identifying adverse reactions and the recommended frequency with which such tests should be performed.

545. Gilead has a duty to exercise reasonable care when it undertakes affirmative acts for the protection of others.

546. Gilead owes these duties to Plaintiffs because it was foreseeable to Gilead that patients like Plaintiffs would ingest and consequently be endangered by its TDF Drugs.

547. Gilead knew that the TDF design it incorporated into the TDF Drugs was associated with risks of kidney and bone toxicity and caused injuries that resulted from kidney and bone toxicity—including in patients not otherwise at risk for such injuries. Gilead's knowledge that TDF harmed patients' kidneys and bones only grew with each year TDF was on the market. By the time Stribild entered the market, Gilead had more than a decade's worth of knowledge that TDF was toxic to kidneys and bones.

1 548. Gilead knew that combining 300 mg of TDF with cobicistat resulted in even greater
2 toxicity, and that it could reduce the tenofovir prodrug dose when combined with cobicistat and achieve
3 the same therapeutic effects. Despite this knowledge, Gilead did not reduce the TDF dose in Stribild.

4 549. Gilead knew, before its first TDF Drug and every subsequent TDF Drug was approved
5 by the FDA, that TAF is safer than TDF in that it reduces the risks of kidney and bone toxicities
6 associated with TDF. Despite knowing that TAF would reduce foreseeable harm to patients' kidneys
7 and bones, Gilead repeatedly incorporated the TDF design into the TDF Drugs prior to FDA approval
8 and prevented patients from taking a safer TAF-based product so Gilead could make more money.

9 550. Based, *inter alia*, on its duty to monitor the adverse effects associated with Viread,
10 Truvada, Atripla, Complera, and Stribild, Gilead knew that the likelihood and severity of the harm
11 associated with TDF was great. Thousands of patients experienced damage to their kidneys and bones
12 as a result of TDF exposure—some of it severe and irreversible. The likelihood and severity of the
13 kidney and bone injuries suffered by patients like Plaintiffs far outweighed Gilead's burden in taking
14 safety measures to reduce or avoid the harm. Gilead had already designed the safer TAF method of
15 introducing tenofovir into the body before it sought FDA approval for the TDF Drugs. Gilead had also
16 reduced the TAF dose when combined with cobicistat in Genvoya, when it was developing Stribild.

17 551. Gilead failed to exercise ordinary care in the design, manufacture, and sale of the TDF
18 Drugs.

19 552. Gilead failed to use the amount of care in designing the TDF Drugs that a reasonably
20 careful manufacturer would have used before FDA approval to avoid exposing patients to foreseeable
21 risks of harm.

22 553. Gilead undertook to develop and market a safer TAF-designed product to sell to
23 wholesalers and other direct purchasers of pharmaceuticals. Gilead recognized that its development
24 and marketing of safer TAF-designed products was for the protection of patients like Plaintiffs. By
25 shelving the safer TAF design purely for monetary gain and deceptively representing why it was
26 abandoning the safer TAF design, Gilead failed to exercise reasonable care in the performance of this
27 undertaking that increased the risk of harm to patients like Plaintiffs. Gilead's failure to exercise
28 reasonable care resulted in physical harm to Plaintiffs.

1 554. Gilead failed to use the amount of care in warning about the risks and safe use of the
2 TDF Drugs that a reasonably careful manufacturer would have used to avoid exposing patients to
3 foreseeable risks of harm.

4 555. Gilead knew or reasonably should have known that the TDF Drugs were dangerous or
5 likely to be dangerous when used in a reasonably foreseeable manner.

6 556. Gilead knew or reasonably should have known that Plaintiffs and Plaintiffs' physicians
7 would not realize the danger posed by inadequate monitoring of patients taking TDF Drugs.

8 557. Gilead failed to adequately warn Plaintiffs and Plaintiffs' physicians about the need to
9 monitor all patients taking the TDF Drugs. For years, Gilead failed to recommend that doctors monitor
10 anyone other than patients "at risk" for TDF-induced kidney and/or bone injuries. When Gilead finally
11 added a weak instruction regarding the monitoring of all patients for kidney damage, it only warned
12 doctors to monitor patients for one insufficient marker of kidney dysfunction that was incapable of
13 detecting many dangerous changes in kidney dysfunction, and failed to warn doctors to monitor TDF
14 patients on a frequent schedule. Gilead's monitoring warnings with respect to "at risk" Viread,
15 Truvada, Atripla, Complera, and Stribild users were also inadequate because they failed to warn
16 doctors to monitor patients on a specific, frequent schedule.

17 558. Gilead could have unilaterally strengthened its U.S. labels before FDA approval for all
18 TDF Drugs and after FDA approval for Viread, Truvada, Atripla, and Complera through July 2012.

19 559. A reasonable manufacturer and seller under the same or similar circumstances would
20 have instructed Plaintiffs and Plaintiffs' physicians on the safe use of the TDF Drugs, i.e., use where
21 doctors frequently monitored all TDF patients for TDF-associated toxicity, including monitoring for
22 kidney damage using more than one inadequate test. Gilead knew to warn doctors to frequently monitor
23 all patients for kidney damage using more than one inadequate test because it did so in the European
24 Union.

25 560. Gilead's failure to adequately warn Plaintiffs and Plaintiffs' doctors about the need to
26 monitor TDF Drug patients was compounded by Gilead's omissions to doctors during sales detailing
27 and other promotional activities. Gilead's misleading promotion of the TDF Drugs undermined the
28 efficacy of its existing (inadequate) warnings.

1 561. Plaintiffs were injured by using TDF in a reasonably foreseeable way.

2 562. The lack of adequate warnings was a substantial factor in causing Plaintiffs' injuries.

3 563. Had Gilead adequately warned Plaintiffs' doctors, Plaintiffs' doctors would have read
4 and heeded such adequate warnings.

5 564. Plaintiffs' properly warned physicians would have monitored Plaintiffs differently—by
6 frequently monitoring Plaintiffs using sufficiently sensitive markers of kidney function that would
7 have alerted doctors to early signs of nephrotoxicity, including tubular damage that leads to more
8 severe renal adverse events and bone mineral density loss. Once they recognized the signs of
9 nephrotoxicity, Plaintiffs' physicians would have taken further action after weighing their treatment
10 options, such as increased monitoring, less frequent dosing, or drug discontinuation, before the damage
11 manifested, worsened, or became irreversible. Plaintiffs' properly warned physicians would have
12 detected TDF toxicity earlier, thus preventing or lessening Plaintiffs' injuries.

13 565. Plaintiffs were injured as a direct and proximate result of Gilead's negligence.

14 566. Gilead's conduct constitutes gross negligence and willful misconduct.

15 567. By designing the TDF Drugs to contain TDF when it knew TDF harmed patients'
16 kidneys and bones, and intentionally withholding the safer TAF design from patients, while failing to
17 adequately warn of the known risks and safe use of TDF, Gilead acted in reckless disregard of, or with
18 a lack of substantial concern for, the rights of others. By designing Stribild to contain 300 mg TDF
19 when it knew to reduce the tenofovir prodrug dose with combined with cobicistat, Gilead acted in
20 reckless disregard of, or with a lack of substantial concern for, the rights of others.

21 568. Gilead intentionally designed the TDF Drugs to contain 300 mg TDF and withheld the
22 safer designs from patients while in disregard of the known risk of TDF-induced kidney and/or bone
23 toxicity, making it highly probable that harm would result.

24 569. Gilead knew that its conduct would harm patients like Plaintiffs but Gilead withheld its
25 safer designs to make more money.

COUNT X

**FRAUD BY OMISSION
UNDER THE LAWS OF THE STATES OF ALABAMA, FLORIDA, GEORGIA,
KENTUCKY, ILLINOIS, NEW YORK, OHIO, OREGON, PENNSYLVANIA, TENNESSEE,
TEXAS, AND WASHINGTON**

570. Plaintiffs reallege and incorporate the allegations made above as if fully set forth below.

571. Gilead has a duty to exercise ordinary care in the design, manufacture, marketing, and sale of its pharmaceutical products, including the TDF Drugs.

572. Gilead has a duty to refrain from selling unreasonably dangerous products, including the duty to ensure that its pharmaceutical products do not cause patients to suffer from foreseeable risks of harm.

573. Gilead has a duty to monitor the adverse effects associated with pharmaceutical products, including Stribild.

574. Gilead has a duty to exercise reasonable care when it undertakes affirmative acts for the protection of others.

575. Gilead owes these duties to Plaintiffs because it was foreseeable to Gilead that patients like Plaintiffs would ingest and consequently be endangered by the TDF Drugs.

576. Gilead also owed a duty to speak because it was in possession of information about TDF and TAF that was not readily available to Plaintiffs and Plaintiffs' physicians, made partial representations about TDF and TAF to Plaintiffs and Plaintiffs' physicians while suppressing material facts, and actively concealed material information about TDF and TAF from Plaintiffs and Plaintiffs' physicians, including that: (a) Gilead knew about the safer TAF design for delivering tenofovir into the body prior to seeking and receiving FDA approval for the TDF Drugs but designed the TDF Drugs to include TDF anyway, even though it knew that TDF posed a significant and increased safety risk to patients' kidneys and bones; (b) the toxicity associated with tenofovir was not unavoidable; (c) the real reason Gilead abandoned its TAF design in 2004 was not because TAF could not be sufficiently differentiated from TDF; (d) Gilead had already determined that it should reduce the dose of tenofovir prodrug when combining it with cobicistat at the time it was developing Stribild but Gilead did not reduce the TDF dose in Stribild as it did with Genvoya; (e) Gilead purposefully withheld the TAF

1 design, which it knew was safer than TDF, solely to make more money; and (f) Gilead knew to warn
2 doctors to frequently monitor all patients for the adverse effects of TDF toxicity using more than one
3 insufficient marker of kidney function even though it did not do so in its warnings to doctors in the
4 U.S.

5 577. Gilead knew that this information was not readily available to Plaintiffs and their
6 doctors, and Plaintiffs and their doctors did not have an equal opportunity to discover the truth.
7 Plaintiffs and their doctors had no practicable way of discovering the true state and timing of Gilead's
8 knowledge.

9 578. Gilead intentionally omitted adequate warnings about the risks and safe use of TDF
10 when promoting the TDF Drugs to doctors and patients by, *inter alia*, omitting information about the
11 frequency and severity of adverse kidney and bone events and failing to tell doctors to adequately
12 monitor TDF patients for drug-induced toxicity.

13 579. Gilead intentionally omitted from its prescriber and patient labeling an adequate
14 warning regarding the need for doctors to monitor all TDF patients, on a frequent, specific schedule,
15 for the adverse effects of TDF-associated bone and kidney toxicity. Gilead intentionally omitted an
16 adequate monitoring warning in order to conceal the true risk of its TDF-based antiviral products, and
17 to inflate sales by inducing doctors to prescribe, and patients like Plaintiffs to consume, its TDF Drugs.
18 Gilead could have unilaterally strengthened its U.S. labels before FDA approval for all TDF Drugs
19 and after FDA approval for Viread, Truvada, Atripla, and Complera through July 2012.

20 580. By providing inadequate warnings that were contrary to those it gave with respect to
21 the exact same drugs in the EU, Gilead partially disclosed material facts. Gilead had a duty of complete
22 disclosure once it began to speak.

23 581. Plaintiffs and their doctors justifiably relied on Gilead's product labeling and other
24 representations.

25 582. Had Gilead not omitted this information about the safe use of its drugs from the
26 prescriber and patient labeling, doctors would have performed, and patients would have insisted upon,
27 frequent and adequate monitoring for the kidney and bone problems that have injured Plaintiffs. But
28 for Gilead's omissions, Plaintiffs would have consumed the TDF Drugs in a safer way.

1 594. Gilead impliedly warranted to Plaintiffs and their doctors that the TDF Drugs were of
2 merchutable quality, and fit and safe for the use for which they were intended.

3 595. Plaintiffs ingested the TDF Drugs for the treatment of HIV, Hepatitis B, or PrEP, which
4 is the purpose for which the drugs were manufactured, sold, and prescribed.

5 596. Plaintiffs relied on Gilead's skill or judgment to provide a product suitable for this
6 purpose. Gilead is in the business of designing, manufacturing, selling, and marketing prescription
7 drugs and specializes in drugs for the treatment or prevention of HIV, and treatment of Hepatitis B.

8 597. Gilead had reason to know that Plaintiffs and their doctors would rely on Gilead's skill
9 or judgment.

10 598. The TDF Drugs are unfit for the purpose for which they were purchased because they
11 are toxic to patients' kidneys and bones when put to their intended and ordinary use, causing injuries
12 to Plaintiffs.

13 599. The dangers the TDF Drugs posed to Plaintiffs' kidneys and bones were known and
14 knowable to Gilead at the time of manufacture and sale. Yet Gilead marketed the TDF Drugs without
15 adequate warnings about the risks or safe use of TDF of which it knew or should have known.

16 600. Plaintiffs suffered kidney and/or bone injuries as a result of ingesting the TDF Drugs.

17 601. In addition to the common law, the conduct alleged herein constitutes a breach of the
18 implied warranty of merchantability under the Uniform Commercial Code as codified the following
19 statutes:

20 a. Alabama, Code of Alabama § 7-2-314

21 b. Illinois, 810 ILCS 5/2-314

22 c. New York, N.Y. U.C.C. § 2-314

23 d. Oregon, Or. Rev. Stat. § 72.3140

24 e. Tennessee, Tenn. Code Ann. § 47-2-314

25 f. Texas, Tex. Bus. & Com. Code § 2314

26 602. On March 16, 2020, Plaintiffs sent a letter to Gilead via certified mail giving official
27 notice of Gilead's breach of the implied warranty of merchantability under the laws of Alabama,
28 Illinois, New York, Oregon, Tennessee and Texas. Plaintiffs' notice letter is attached as Exhibit A.

COUNT XII

VIOLATION OF STATE CONSUMER PROTECTION LAWS

603. Plaintiffs reallege and incorporate the allegations made above as if fully set forth below.

604. Plaintiffs are consumers within the meaning of the following states' consumer protection laws because they are natural persons who purchased one or more of the TDF Drugs for personal, family, or household use.

605. The TDF Drugs are goods and merchandise within the meaning of the following states' consumer protection laws.

606. Gilead manufactured, sold, and marketed its TDF Drugs in trade or commerce, including within each of the 50 U.S. States.

607. Gilead engaged in unconscionable, unfair, false, fraudulent, misleading, and deceptive acts and practices in connection trade or commerce involving its TDF Drugs.

608. Gilead engaged in unfair and/or unconscionable conduct by knowingly designing its TDF Drugs to be unreasonably dangerous before FDA approval and withholding the safer designs to make more money.

609. Gilead also intentionally suppressed, concealed, and omitted material facts about the risks and benefits of the TDF Drugs in its promotional, marketing, and/or labeling communications to Plaintiffs and Plaintiffs' doctors, including, but not limited to: (1) the true frequency and severity of the risks of TDF to kidneys and bones; (2) that all TDF patients should be carefully monitored for adverse kidney and bone effects on a frequent schedule in light of the true risks of TDF; (3) that Gilead had already developed the safer TAF design for delivering tenofovir into the body but nevertheless designed the TDF Drugs to contain TDF, and withheld the safer SAF design, in order to avoid admitting the toxicity of TDF, maximize profits on its TDF-based products, and extend its ability to profit on its HIV franchise for years to come; and (4) Gilead knew that the tenofovir prodrug dose should be reduced when combined in a fixed dose combination pill with cobicistat, but did not reduce the TDF dose in Stribild.

610. Gilead had a duty to disclose the omitted material facts about TDF and TAF because it: (a) was in possession of information about TDF and TAF that was not readily available to Plaintiffs

1 and Plaintiffs' physicians; (b) made partial representations about TDF and TAF to Plaintiffs and
2 Plaintiffs' physicians while suppressing material facts; and (c) actively concealed material information
3 about TDF and TAF from Plaintiffs and Plaintiffs' physicians.

4 611. Gilead's conduct significantly impacted the public as actual or potential consumers of
5 Gilead's TDF Drugs. Hundreds of thousands of consumers in the U.S. have ingested one or more of
6 the TDF Drugs and Gilead has directed its misleading marketing and promotional messages to the
7 market generally. Consumers like Plaintiffs are at an informational disadvantage and lack bargaining
8 power relative to Gilead. Gilead's conduct has previously impacted other consumers and has
9 significant potential to do so in the future.

10 612. Gilead's conduct was likely to mislead and did mislead reasonable consumers and
11 members of the public.

12 613. Gilead's omissions were material and affected Plaintiffs' and Plaintiffs' doctors'
13 conduct.

14 614. Gilead intended that others rely on its deceptive and misleading omissions regarding its
15 TDF Drugs.

16 615. Plaintiffs and their doctors reasonably relied on Gilead's deceptive and misleading
17 omissions regarding its TDF Drugs.

18 616. Plaintiffs' doctors prescribed, and Plaintiffs ingested, one or more of the TDF Drugs in
19 reliance on Gilead's unconscionable, false, misleading and/or deceptive acts and omissions.

20 617. Plaintiffs were directly and proximately injured as a result of Gilead's deceptive
21 conduct. But for Gilead's unfair and/or unconscionable conduct, Plaintiffs would have ingested a safer
22 tenofovir-prodrug product, thus preventing or reducing Plaintiffs' injuries and monetary expenses in
23 connection with taking TDF. But for Gilead's omissions, Plaintiffs would have ingested the TDF Drugs
24 in a safer way—through more careful, frequent monitoring and/or by not taking Stribild (TDF in
25 combination with cobicistat)—thus preventing or reducing Plaintiffs' injuries and monetary expenses
26 in connection therewith.

1 618. Plaintiffs suffered ascertainable losses as a result of Gilead's violations of the state
2 consumer protection statutes alleged herein. Plaintiffs will prove the full extent and amount of their
3 damages at trial.

4 619. The conduct alleged herein violates the state consumer protection statutes as further
5 alleged below.

6 **a. Alabama: Ala. Code §§ 8-19-1 et seq.**

7 620. Alabama Plaintiffs intend to assert a claim under the Alabama Deceptive Trade
8 Practices Act, alleging that Gilead committed unconscionable, false, misleading and/or deceptive acts
9 and practices in the conduct of trade or commerce in violation of Ala. Code § 8-19-5(27), and violated
10 Ala. Code § 8-19-5(5) and (7) by deceptively representing, through partial representations and
11 omissions, that the TDF Drugs have characteristics, benefits, and qualities they do not have, and are
12 of a particular standard and quality when they are another.

13 621. On March 16, 2020, Alabama Plaintiffs made a written demand for relief in satisfaction
14 of the Act and will amend this Complaint to add claims under the Act once the required notice period
15 has elapsed.

16 622. These paragraphs are included for notice purposes only and are not intended to assert a
17 claim under the Alabama Deceptive Trade Practices Act at this time.

18 **b. Illinois: 815 ILCS 505/1 et seq. and 815 ILCS 510 et seq.**

19 623. Gilead has engaged in the following conduct in violation of the Illinois Consumer Fraud
20 and Deceptive Business Practices Act and Illinois Uniform Deceptive Trade Practices Act: 1) engaging
21 in unfair methods of competition or deceptive acts or practices, including the use of any deception,
22 fraud, false pretense, false promise, concealment, suppression or omission of any material fact, with
23 the intent that others rely upon the concealment, suppression or omission of such material fact in the
24 conduct of trade or commerce in violation of 815 ILCS 505/2; 2) deceptively representing, through
25 partial representations and omissions, that the TDF Drugs have characteristics or benefits that they do
26 not have in violation of 815 ILCS 510/2(a)(5); and 3) deceptively representing, through partial
27 representations and omissions, that the TDF Drugs are of a particular standard, quality or grade when
28 they are of another in violation of 815 ILCS 510/2(a)(7).

1 624. Gilead concealed material facts with the intent that others rely on the concealment of
2 material facts.

3 625. Illinois Plaintiffs suffered actual pecuniary losses proximately caused by Gilead's
4 violations of the Illinois Acts.

5 626. Illinois Plaintiffs seeks actual damages, punitive damages, reasonable attorneys' fees,
6 and costs.

7 **c. Indiana: Ind. Code § 24-5-0.5-1 et seq.**

8 627. Gilead has engaged in the following conduct in violation of Ind. Code § 24-5-0.5-1 *et*
9 *seq.*: 1) committing unfair or deceptive acts, omissions, or practices in connection with a consumer
10 transaction in violation of Ind. Code § 24-5-0.5-3(a); 2) deceptively representing, through partial
11 representations and omissions, that the TDF Drugs have performance, characteristics, or benefits they
12 do not have which the supplier knows or reasonably knows it does not have in violation of Ind. Code
13 § 24-5-0.5-3(b)(1); and 3) deceptively representing, through partial representations and omissions, that
14 the TDF Drugs are of a particular standard or quality that it is not and if the supplier knows or should
15 reasonably know that they are not in violation of Ind. Code § 24-5-0.5-3(b)(2).

16 628. Plaintiffs suffered damages, including lost money or property, as a proximate result of
17 Gilead's violations of Ind. Code § 24-5-0.5-1 *et seq.*

18 629. Indiana Plaintiffs intend to seek actual damages, punitive damages for Gilead's willful
19 deceptive acts, and reasonable attorneys' fees. On March 16, 2020, Indiana Plaintiffs made a written
20 demand for relief in satisfaction of the Act and will amend this Complaint to add damage claims under
21 the Act once the required notice period has elapsed. This paragraph is included for notice purposes
22 only and is not intended to assert a claim under the Act for damages at this time.

23 **d. Kentucky: Ky. Rev. Stat. Ann. §§ 367.110 et seq.**

24 630. Gilead has engaged in unfair, false, misleading, or deceptive acts or practices in the
25 conduct of trade or commerce in violation of Ky. Rev. Stat. Ann. § 367.170.

26 631. Kentucky Plaintiffs have suffered ascertainable losses in the form of lost money or
27 property as a result of Gilead's violations of Ky. Rev. Stat. Ann. §§ 367.110 *et seq.*

28 632. Kentucky Plaintiffs seek actual damages, punitive damages, attorneys' fees, and costs.

e. New Jersey: N.J. Stat. Ann. §§ 56:8-1 *et seq.*

633. Gilead's conduct constitutes an unconscionable commercial practice, deception, fraud, false pretense, false promise, and the knowing, concealment, suppression, or omission of any material fact with intent that others rely upon such concealment, suppression or omission in connection with the sale or advertisement of merchandise in violation of N.J. Stat. Ann. § 56:8-2.

634. The TDF Drugs are merchandise within the meaning of N.J. Stat. Ann. § 56:8-2 because they are objects, goods, or anything offered, directly or indirectly, to the public for sale.

635. New Jersey Plaintiffs suffered an ascertainable loss of moneys or property as a result of Gilead's violations of N.J. Stat. Ann. § 56:8-2.

636. New Jersey Plaintiffs seek damages, treble damages, and reasonable attorneys' fees and costs of suit.

f. New York: N.Y. Gen. Bus. Law § 349

637. Gilead's conduct constitutes deceptive acts or practices in the conduct of any business, trade or commerce in violation of N.Y. Gen. Bus. Law § 349.

638. Gilead's conduct was directed at consumers.

639. Gilead's conduct significantly impacted the public as actual or potential consumers of Gilead's TDF Drugs. Millions of consumers have ingested one or more of the TDF Drugs and Gilead has directed its misleading marketing and promotional messages to the market generally. Consumers like Plaintiffs are at an informational disadvantage and lack bargaining power relative to Gilead. Gilead's conduct has previously impacted other consumers and has significant potential to do so in the future.

640. New York Plaintiffs were injured by reason of Gilead's violations of N.Y. Gen. Bus. Law § 349.

641. New York Plaintiffs seek actual damages, three times actual damages in an amount not to exceed \$1,000 in light of Gilead's willful or knowing violations, and reasonable attorneys' fees.

g. Ohio: Ohio Rev. Code §§ 1345.01 *et seq.*

642. Gilead's conduct constitutes unfair or deceptive acts or practices in connection with a consumer transaction in violation of Ohio Rev. Code § 1345.02.

1 643. Gilead deceptively represented, through partial representations and omissions, that the
2 TDF Drugs have characteristics or benefits that they do not have in violation of Ohio Rev. Code
3 § 1345.02(B)(1).

4 644. Gilead deceptively represented, though partial representations and omissions, that the
5 TDF Drugs are of a particular standard or quality that they are not in violation of Ohio Rev. Code
6 § 1345.02(B)(2).

7 645. Ohio Plaintiffs suffered damages as a result of Gilead's violations of Ohio Rev. Code
8 § 1345.02.

9 646. Ohio Plaintiffs seek their actual damages plus an amount not exceeding \$5,000 in
10 noneconomic damages, and reasonable attorneys' fees in light of Gilead's knowing violations.

11 **h. Oregon: Or. Rev. Stat. Ann. §§ 646.605 et seq.**

12 647. Gilead deceptively represented, though partial representations and omissions, that the
13 TDF Drugs have characteristics or benefits that they do not have in violation of Or. Rev. Stat. Ann.
14 § 646.608(1)(e).

15 648. Gilead deceptively represented, through partial representations and omissions, that the
16 TDF Drugs are of a particular standard or quality when they are of another in violation of Or. Rev.
17 Stat. Ann. § 646.608(1)(g).

18 649. Gilead engaged in unfair or deceptive conduct in violation of Or. Rev. Stat. Ann.
19 § 646.608(1)(u).

20 650. Oregon Plaintiffs suffered injuries and damages in the form of an ascertainable loss of
21 money or property as a result of Gilead's violations of Or. Rev. Stat. Ann. § 646.608.

22 651. Oregon Plaintiffs seek the greater of actual damages or \$200, punitive damages,
23 reasonable attorneys' fees, and costs.

24 **i. Texas: Tex. Bus. & Com. Code Ann. §§ 17.41 et seq.**

25 652. Gilead's conduct constitutes false, misleading, or deceptive acts or practices in the
26 conduct of trade or commerce in violation of Tex. Bus. & Com. Code Ann. § 17.46(a).

Robert C. Hilliard (*pro hac vice* to be filed)
Katrina R. Ashley (*pro hac vice* to be filed)
HILLIARD MARTINEZ GONZALES LLP
719 S. Shoreline Blvd.
Corpus Christi, TX 78401
Telephone: (361) 882-1612
Facsimile: (361) 882-3015
Email: bobh@hmglawfirm.com
Email: kashley@hmglawfirm.com

Attorneys for Plaintiffs