



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS

B.C. HIV/AIDS Drug Treatment Program

Monthly Report

August 2016





HIV/AIDS Drug Treatment Program

Monthly Report

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This database is updated on a regular basis. Figures and tables provided in this Monthly Report represent the best estimates available at the time this document was generated.

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Please note that the figures and graphs in this document are best viewed in colour.

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BRITISH COLUMBIA
CENTRE for EXCELLENCE
in HIV/AIDS



This document is best viewed in colour.
Drug definitions available in the back.



EXECUTIVE SUMMARY

A key component of the BC Centre for Excellence in HIV/AIDS' (BC-CfE) mandate is to monitor the impact of HIV/AIDS in British Columbia. The BC-CfE provides essential information to local health authorities, treating physicians, and the community at large on an ongoing basis. The HIV/AIDS Drug Treatment Program (DTP) Update is one example of the BC-CfE's commitment to HIV-infected persons throughout the Province of British Columbia.

The DTP distributes anti-HIV drugs at no cost to eligible British Columbians. The DTP Update provides an important overview of available anti-HIV drugs, common drug combinations and distribution of active DTP participants throughout the province.

DTP participants are typically followed at three-monthly intervals at which time routine blood sampling is performed. Information from all recipients is entered into a database, providing data for clinical and virological outcome studies of patients receiving antiretroviral therapy. These studies form the basis of ongoing revisions to the BC-CfE's treatment guidelines.





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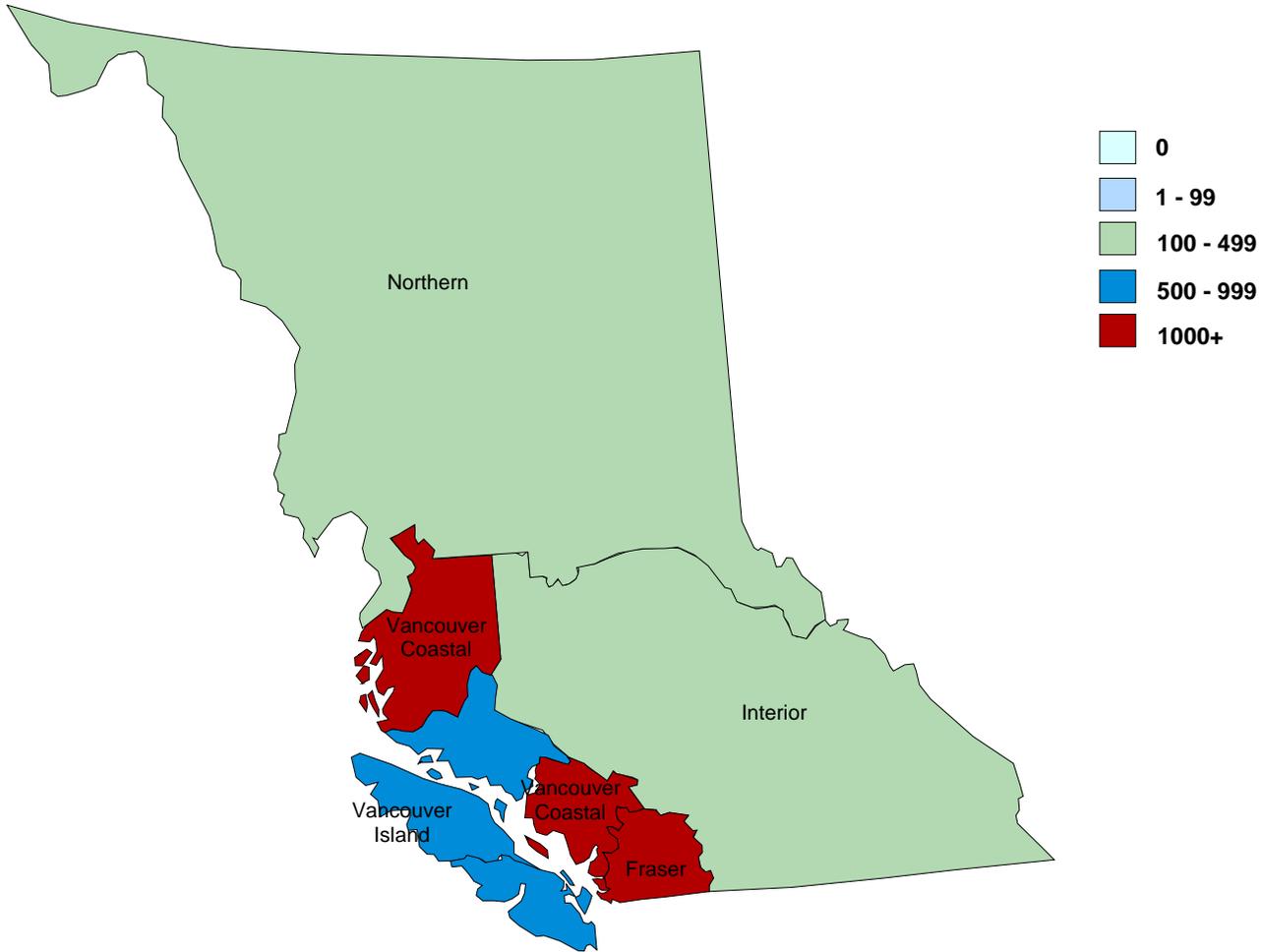




1.1 Distribution of men and women on antiretroviral therapy in British Columbia by Health Authority

August 2016

N = 7078



| Health Authority | Male | Female | All |
|-------------------|-------------|----------------------------|-------------|
| FRASER | 1330 | 385 | 1715 |
| INTERIOR | 364 | 94 | 458 |
| NORTHERN | 138 | 74 | 212 |
| VANCOUVER COASTAL | 3368 | 454 | 3822 |
| VANCOUVER ISLAND | 684 | 156 | 840 |
| | 5884 | 1163 | 7047 |
| | | Unknown/not stated: | 31 |
| | | Total: | 7078 |

Definitions:

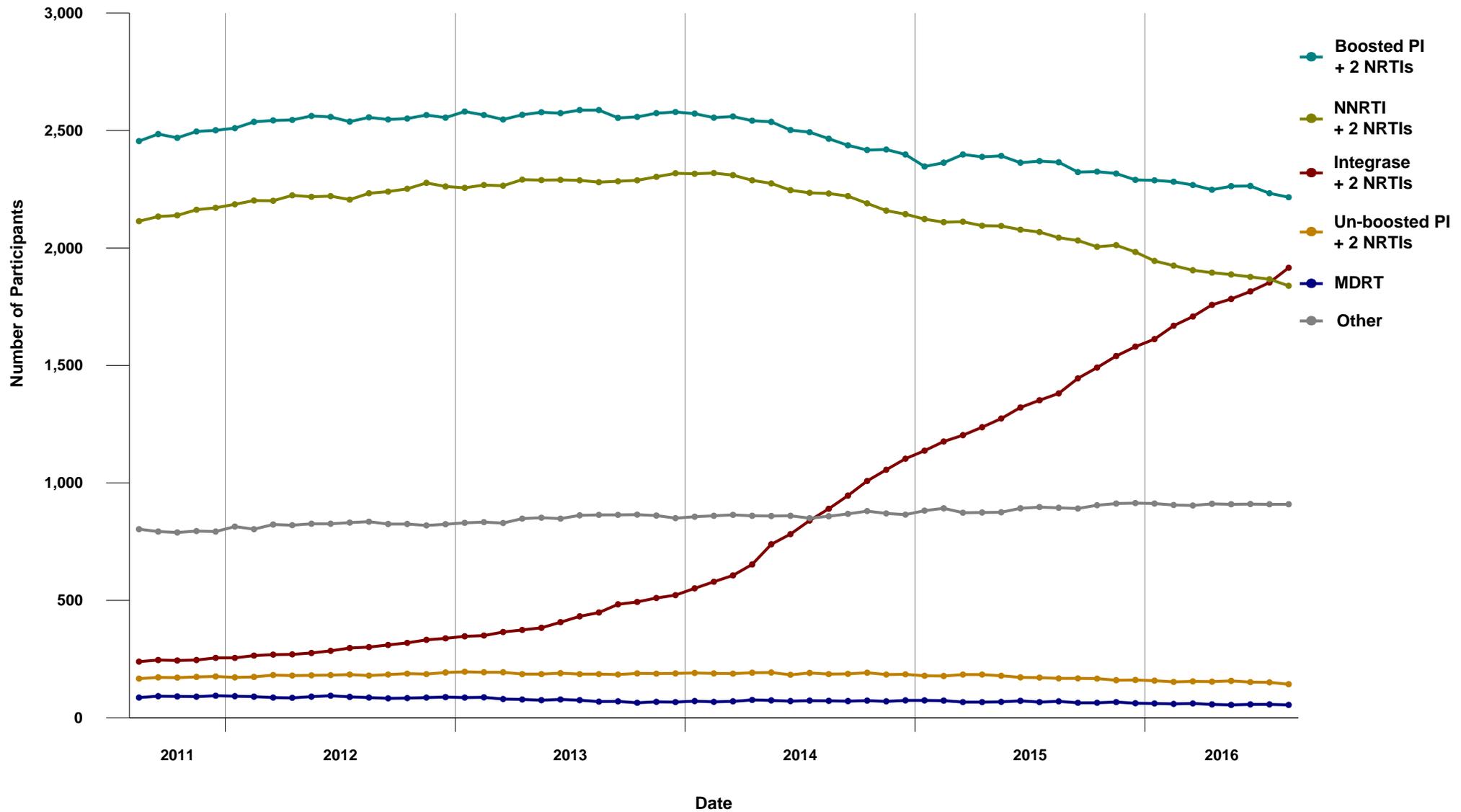
On antiretroviral therapy defined as being on treatment in the current month

Unknown/not stated defined as being on treatment in the current month, and city of residence unknown



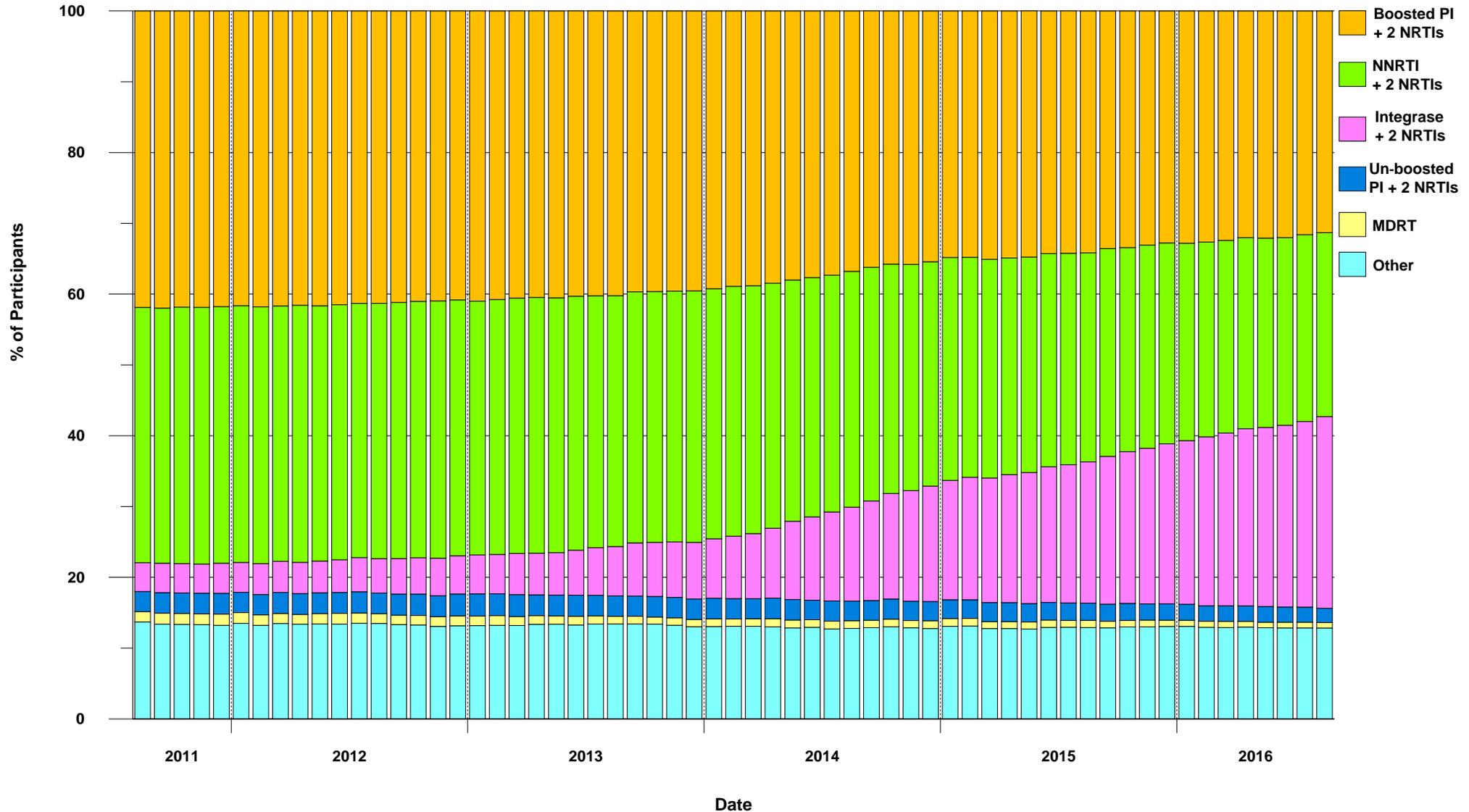


1.2 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (August 2011 - August 2016)



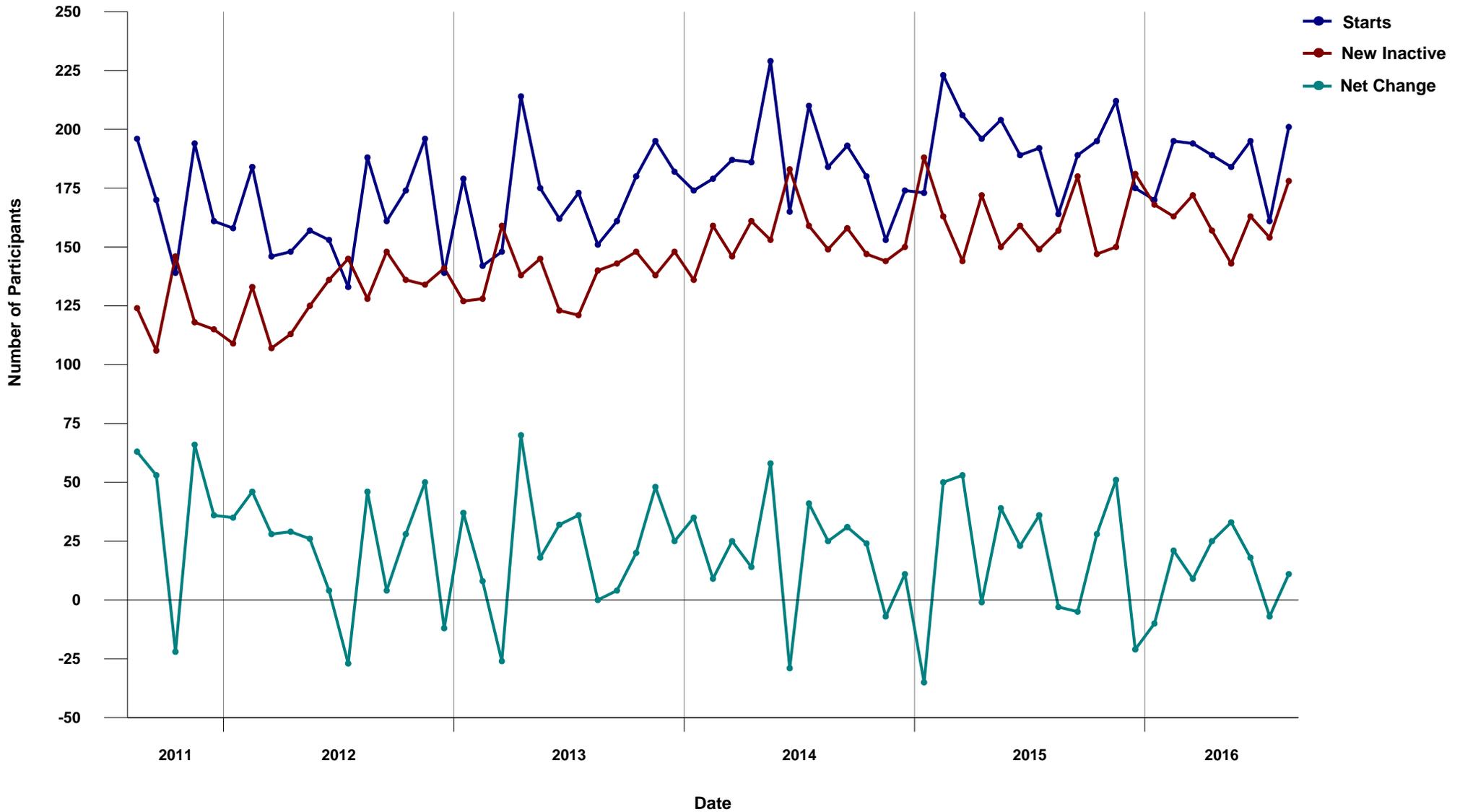


1.3 Percent Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (August 2011 - August 2016)



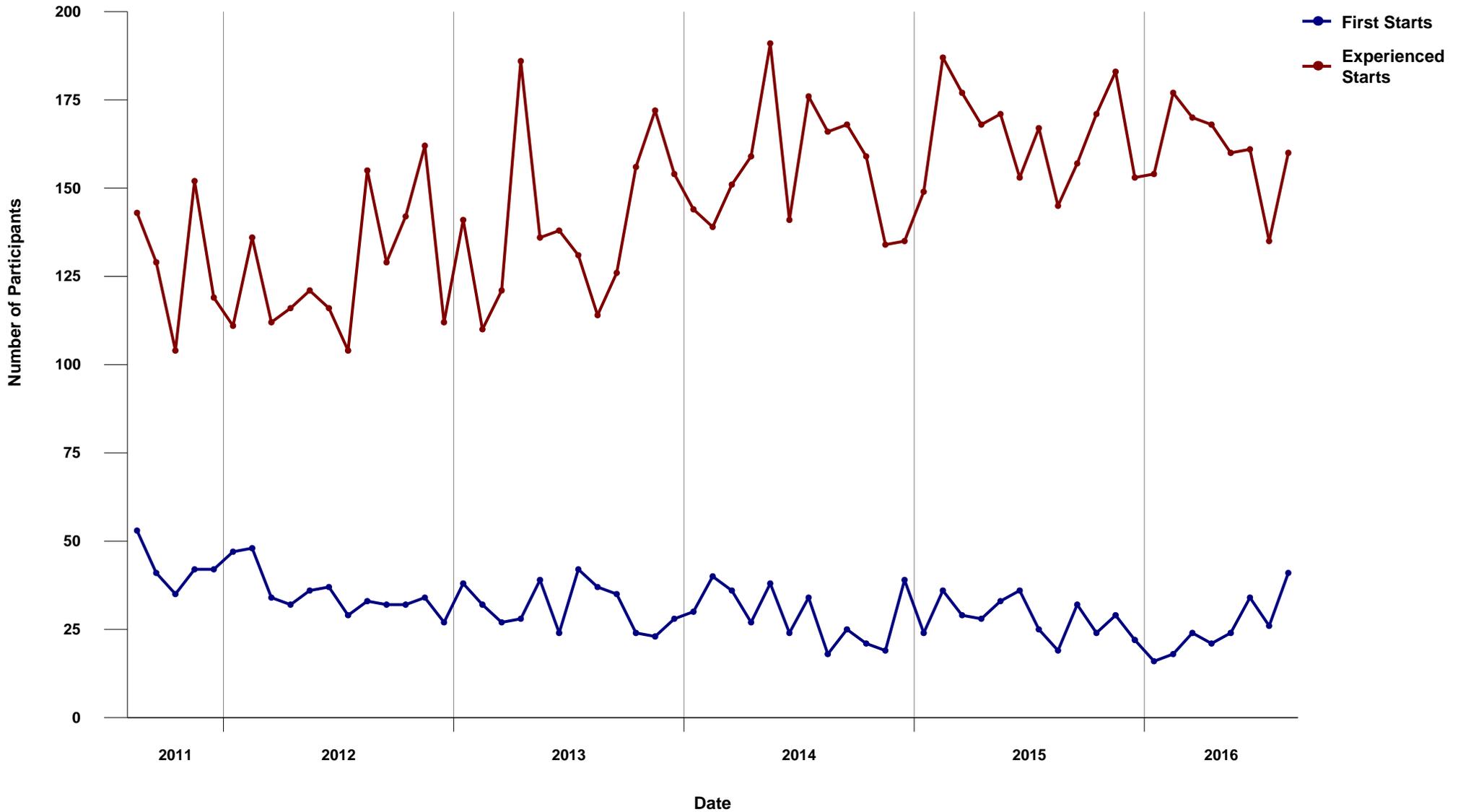


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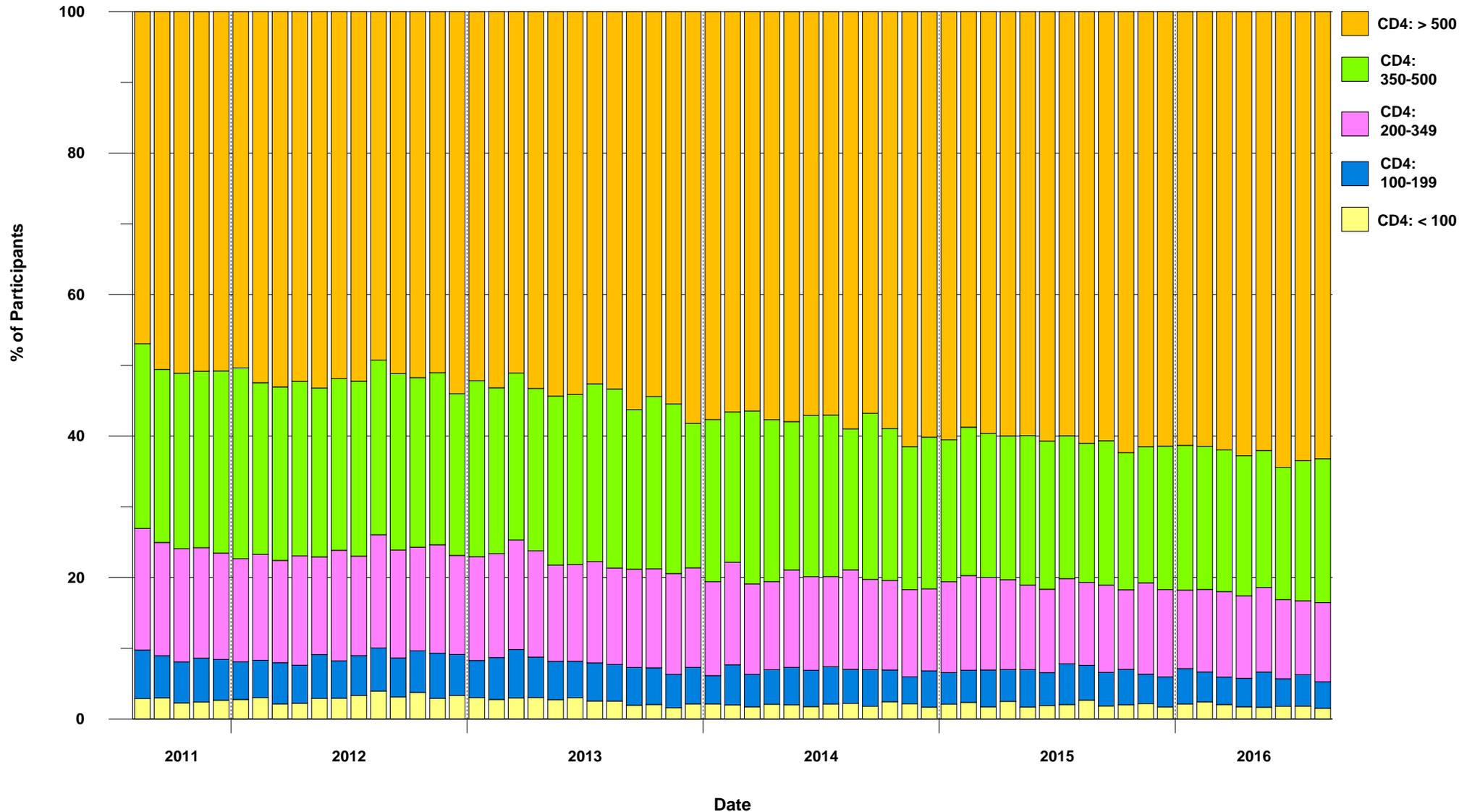


1.5 BC-CfE Enrollment: New Antiretroviral Participants (August 2011 - August 2016)



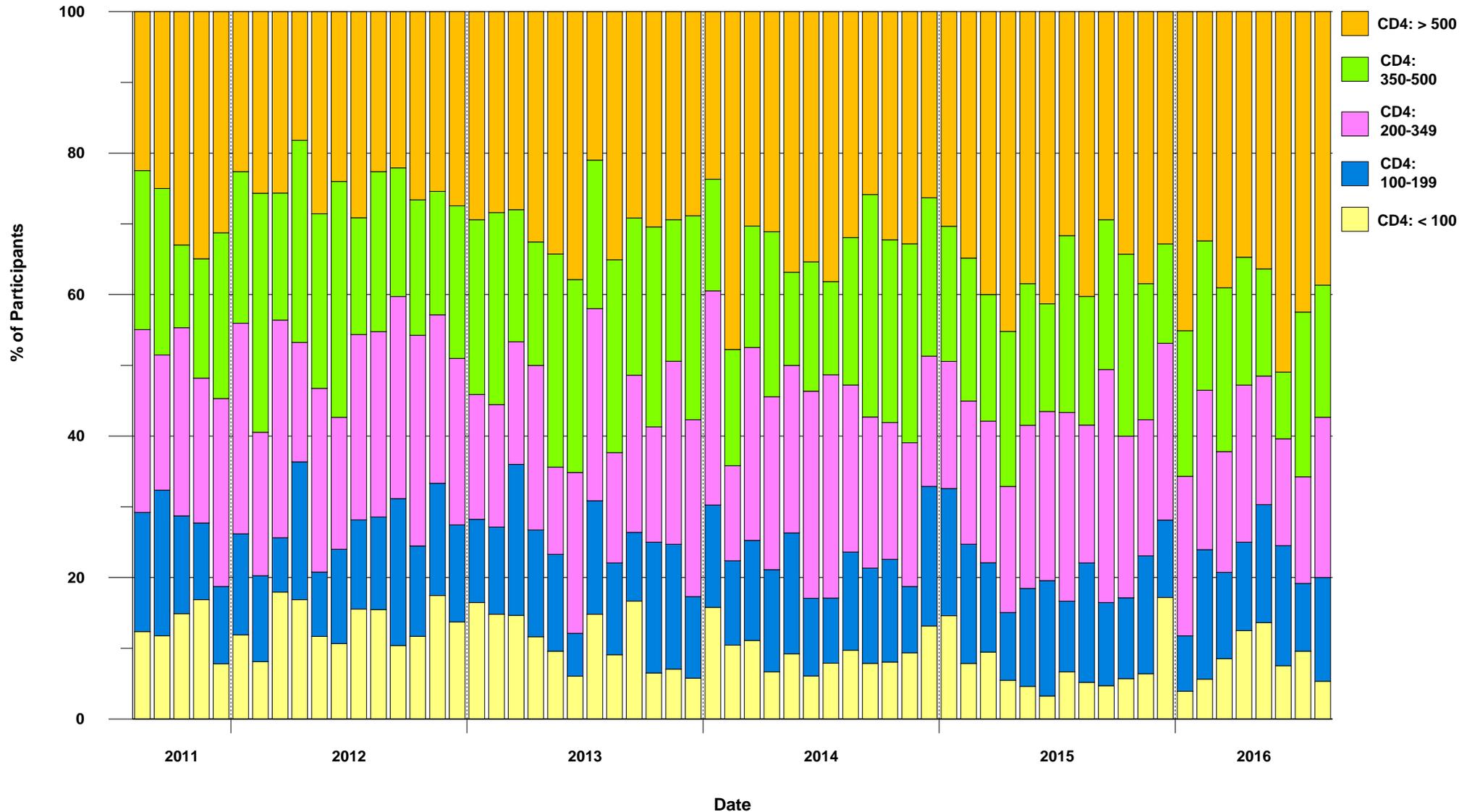


1.6 Percent Distribution of Active Participants by CD4 Count (August 2011 - August 2016)



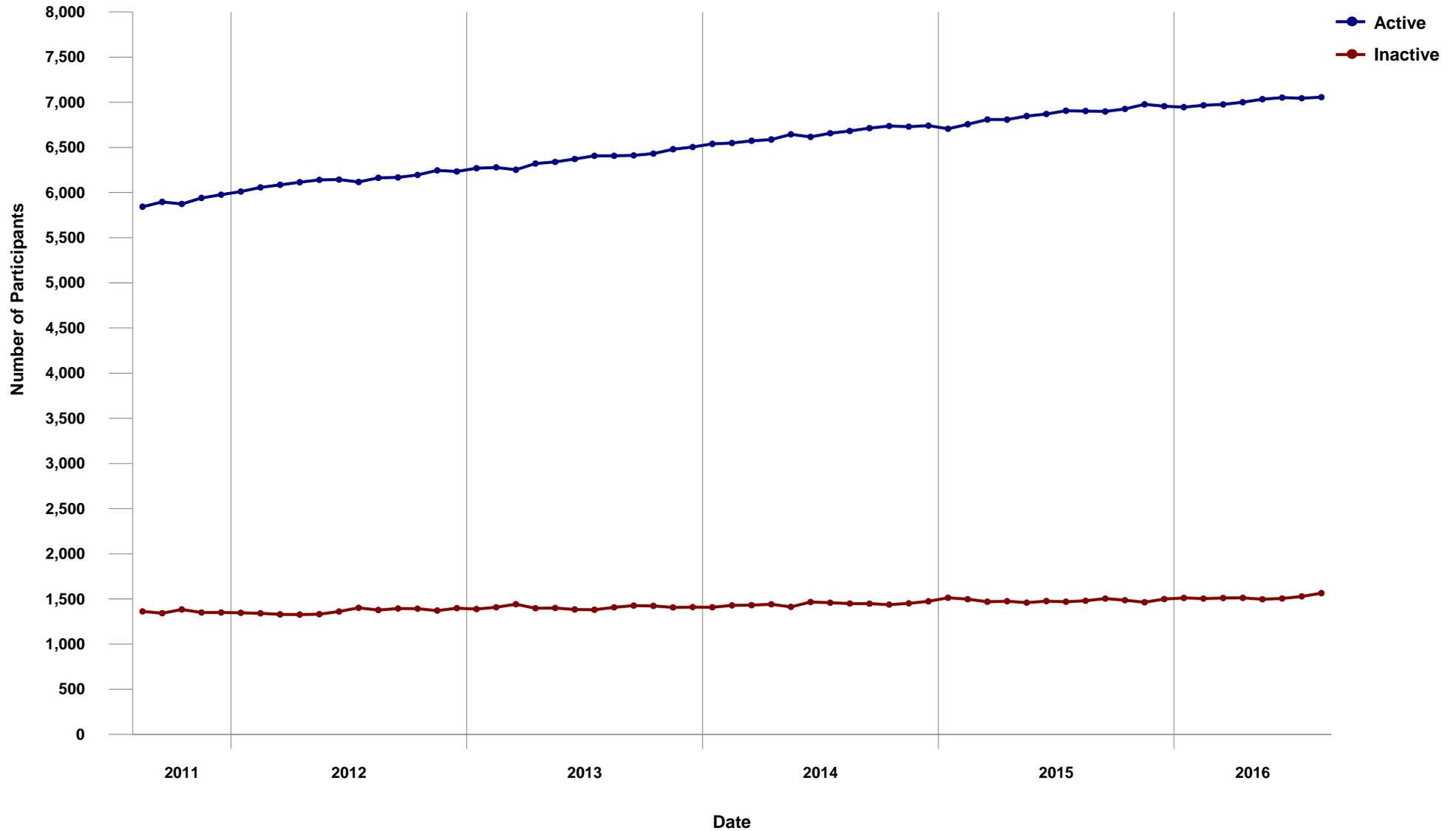


1.7 Percent Distribution of Inactive Participants by CD4 Count (August 2011 - August 2016)



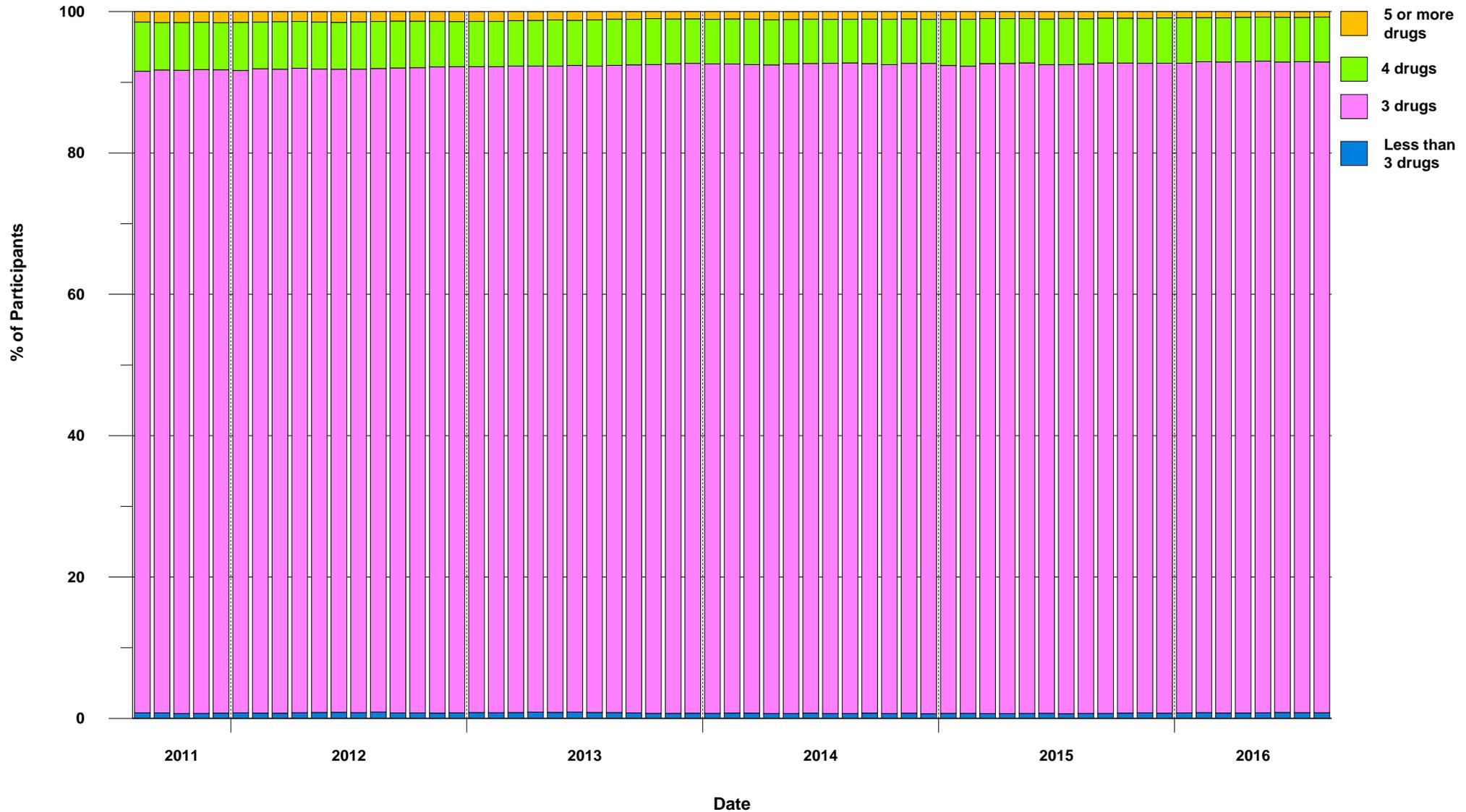


1.8 Active and Inactive Participants (August 2011 - August 2016)



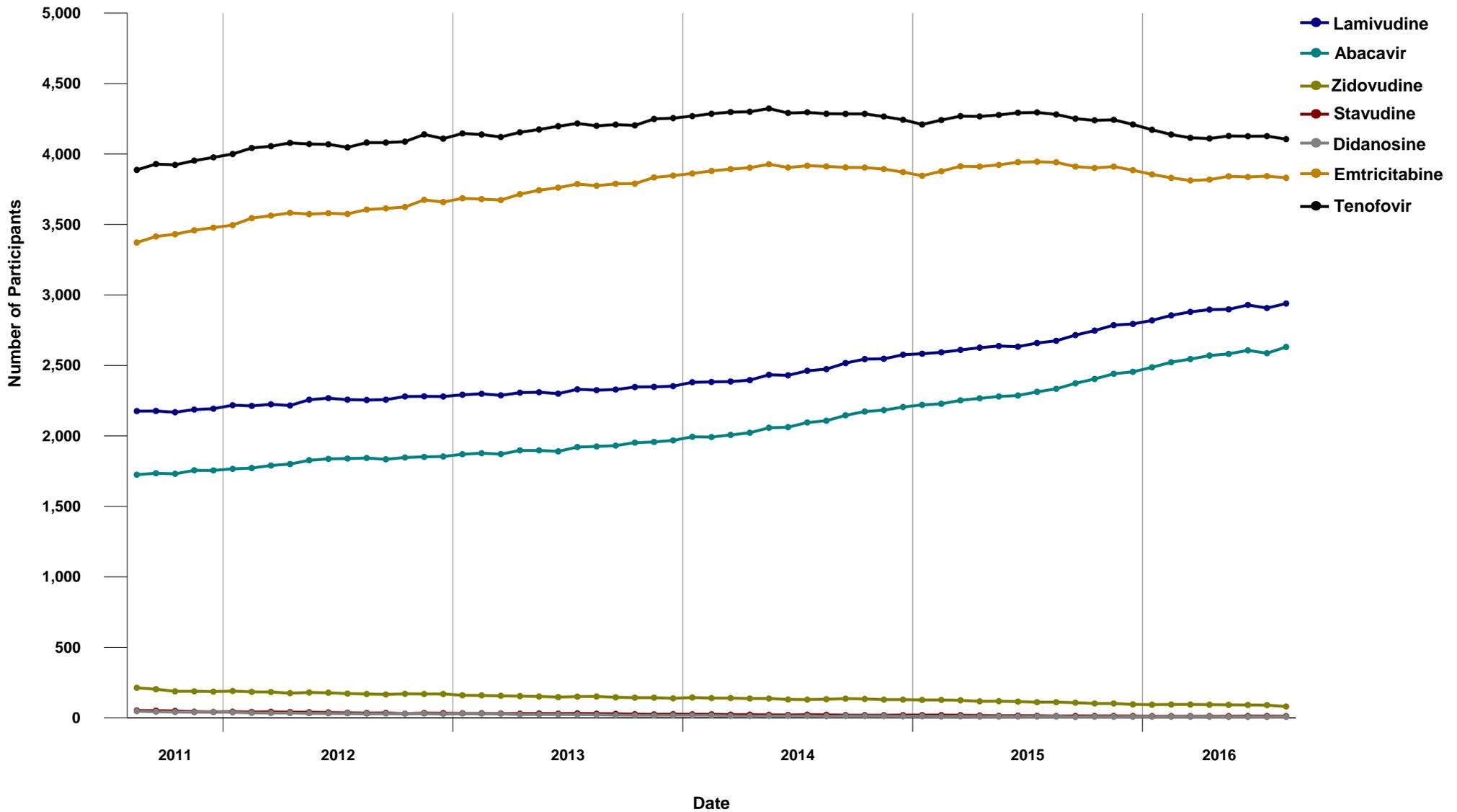


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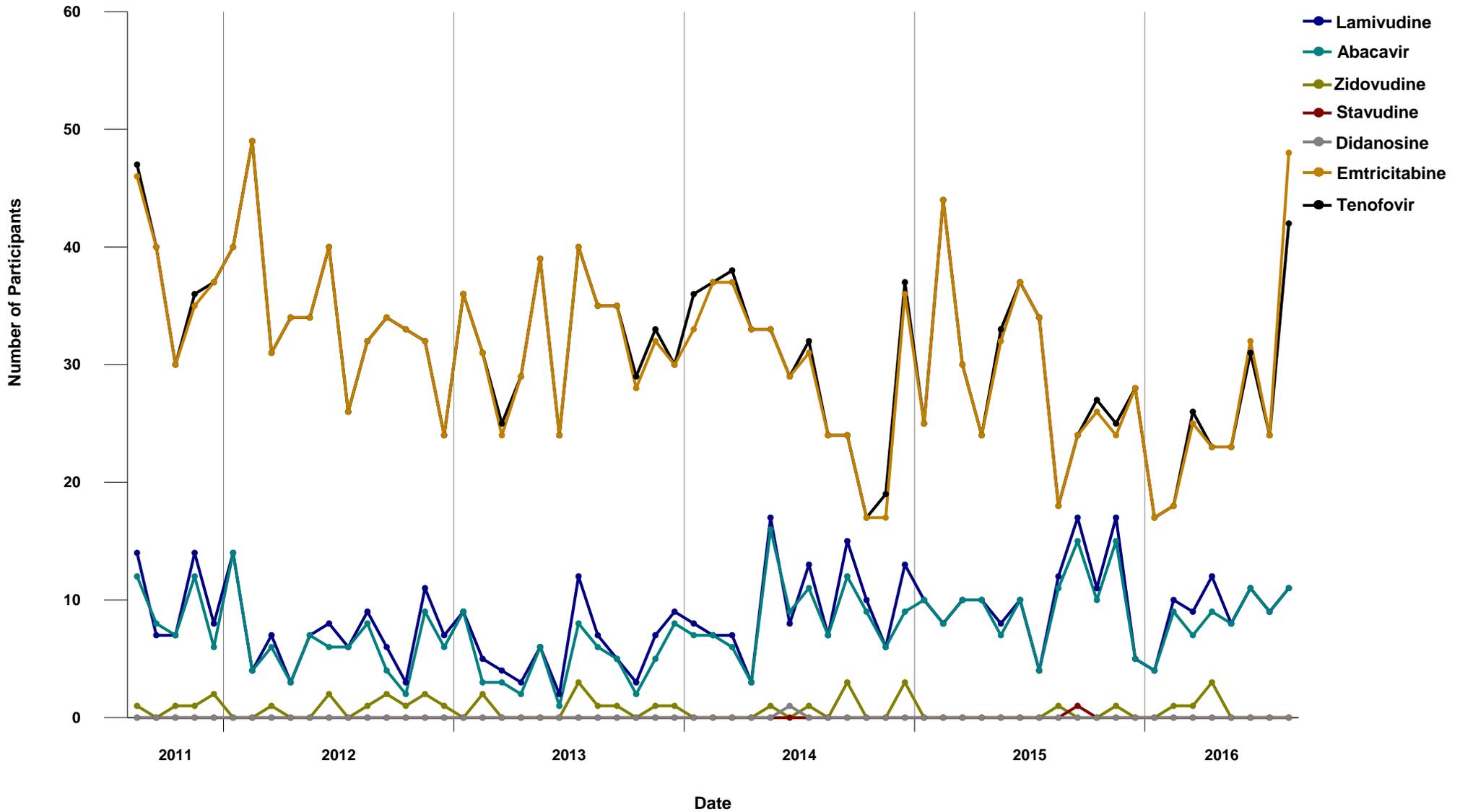
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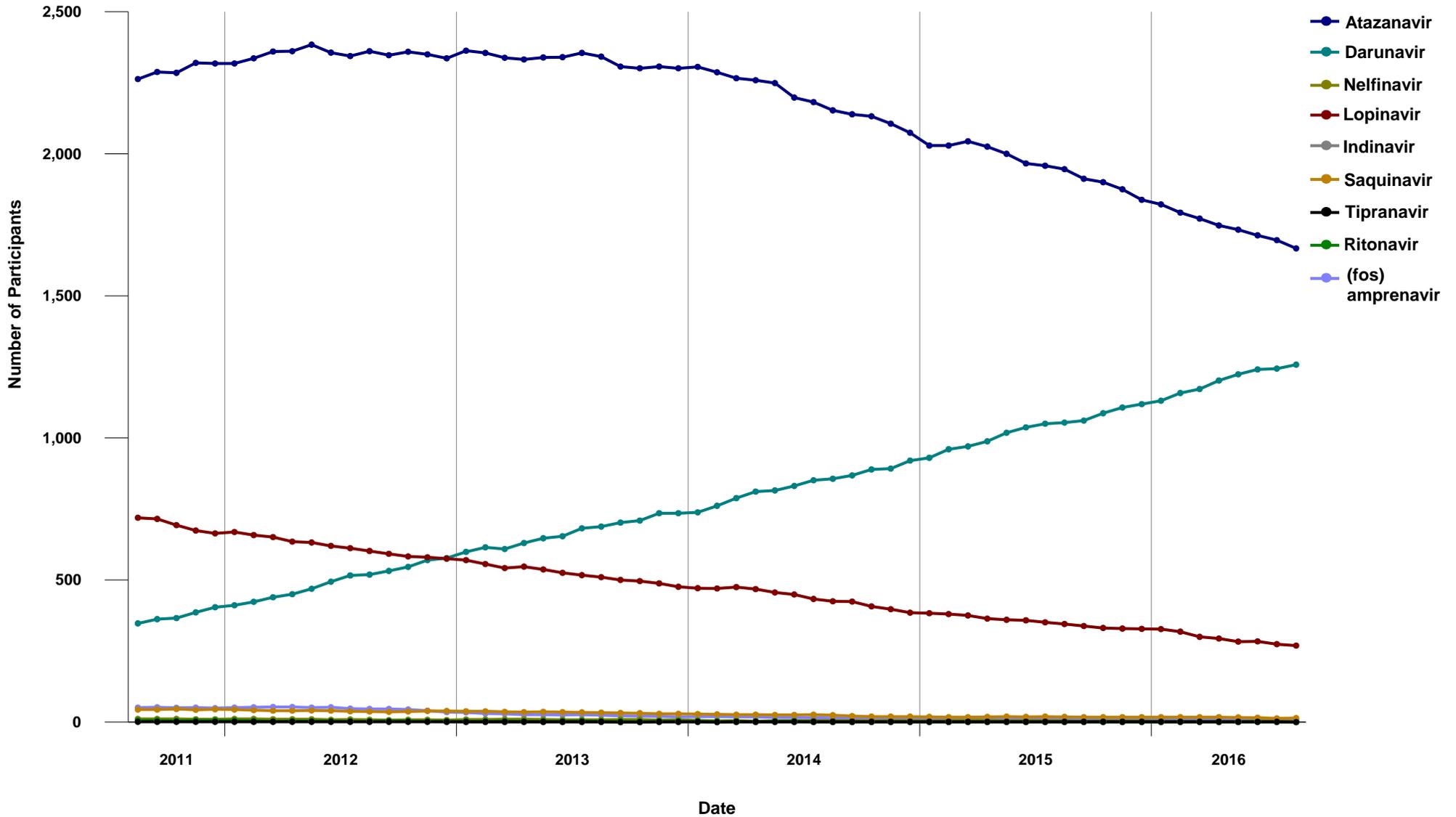
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(August 2011 - August 2016)





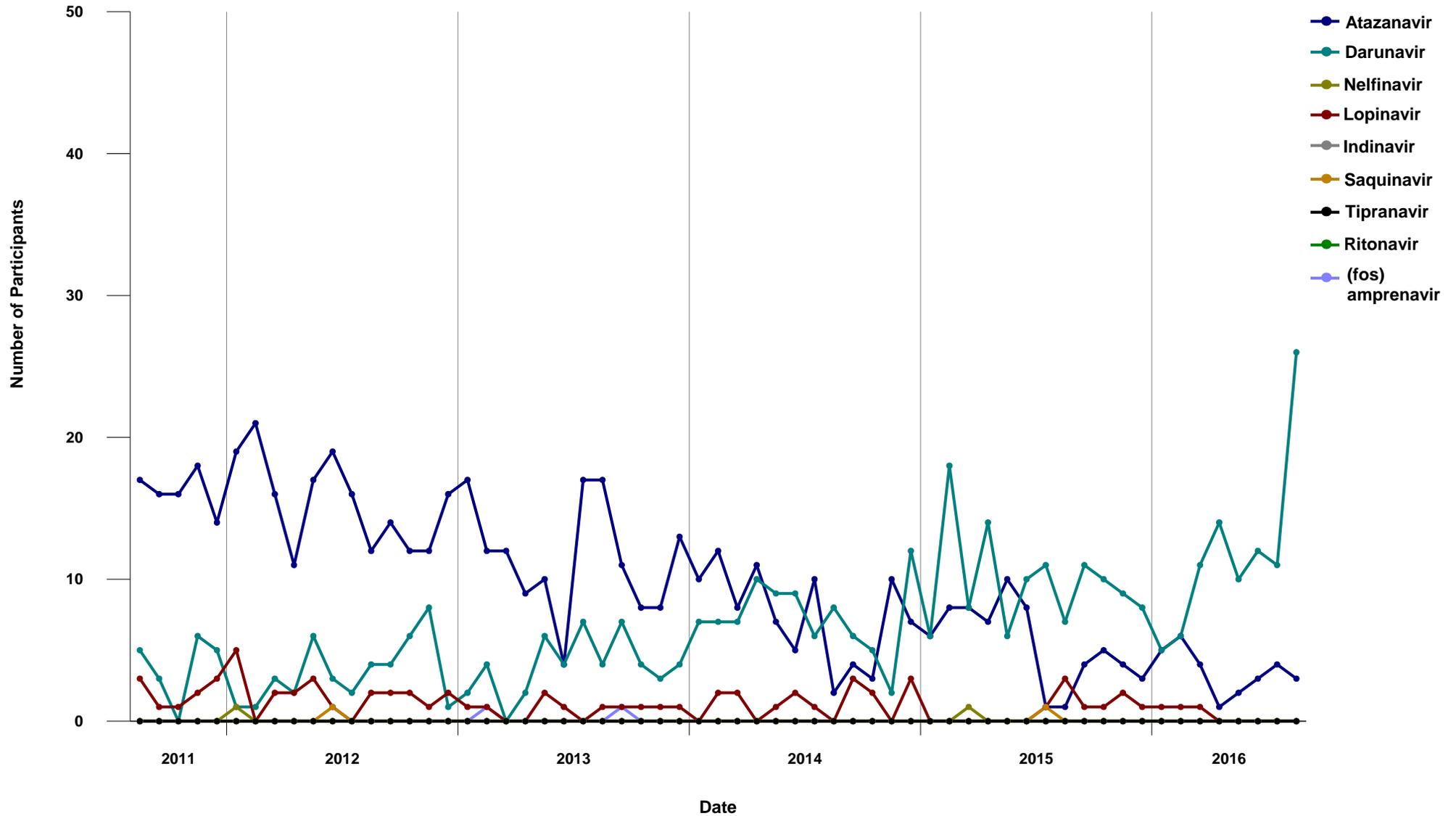
1.12 Distribution of Participants on Protease Inhibitor by INGREDIENT (August 2011 - August 2016)





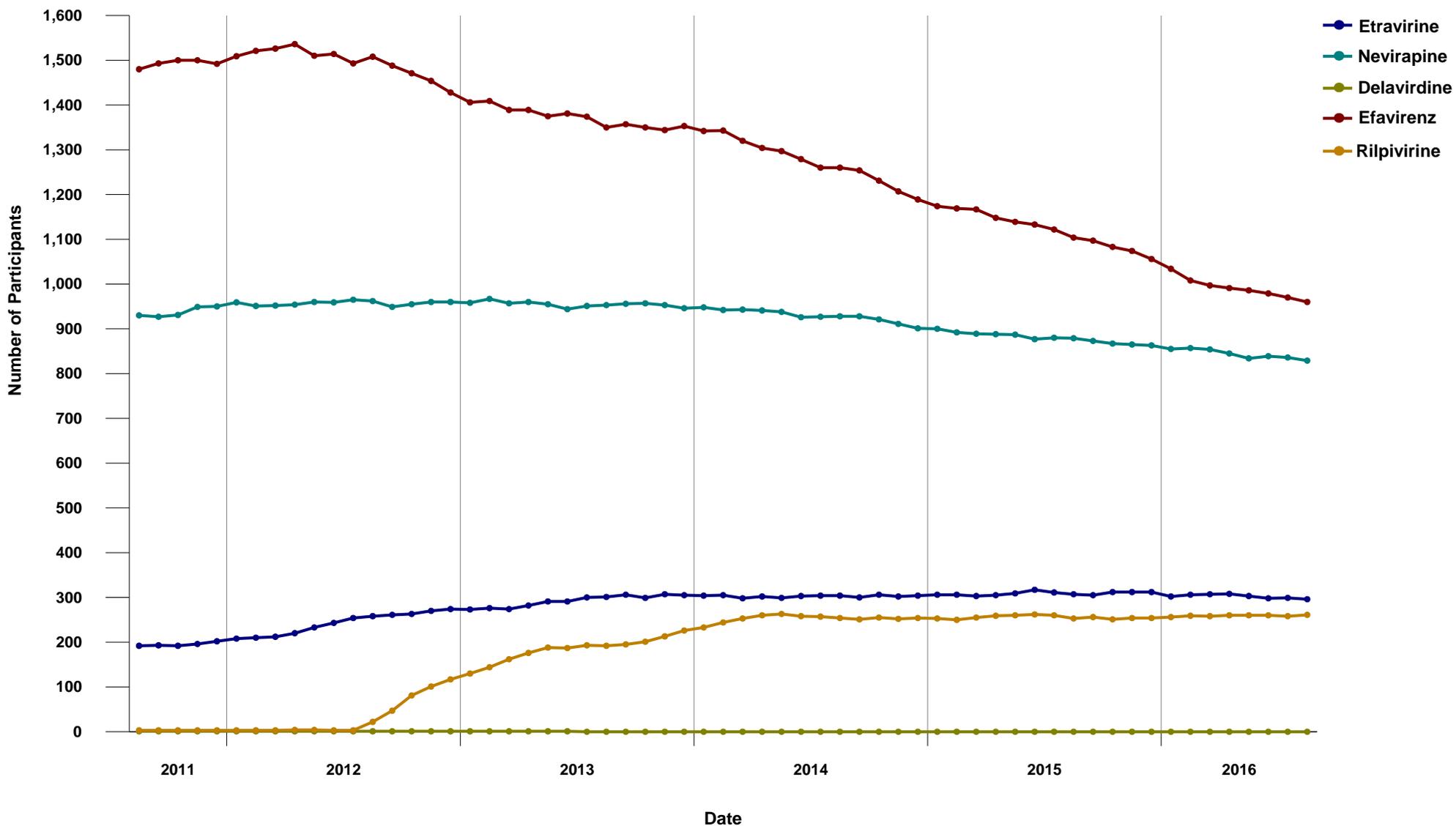
1.13 Distribution of Participants on Protease Inhibitor at the time of first start of ARV Therapy by INGREDIENT

(August 2011 - August 2016)





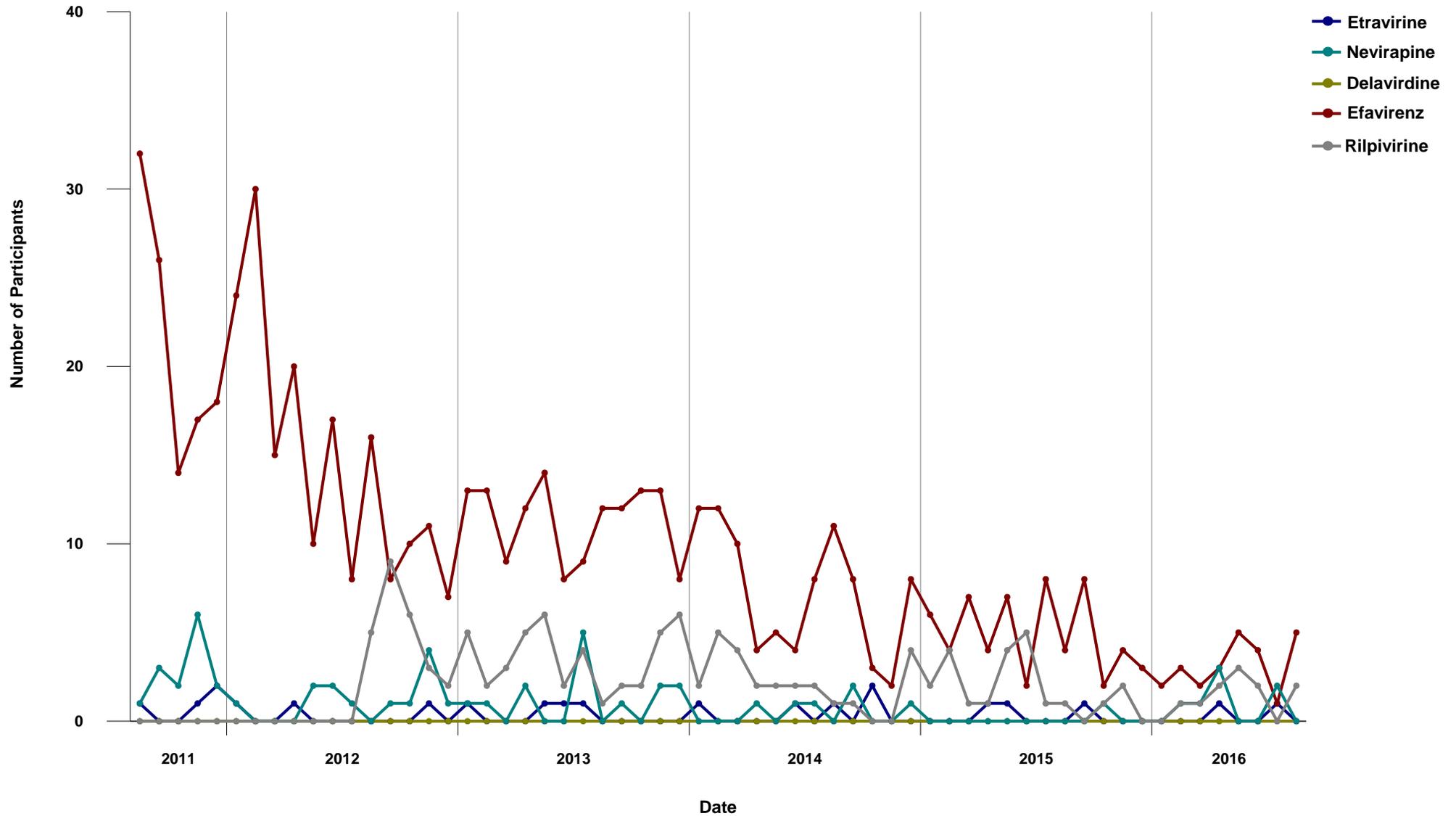
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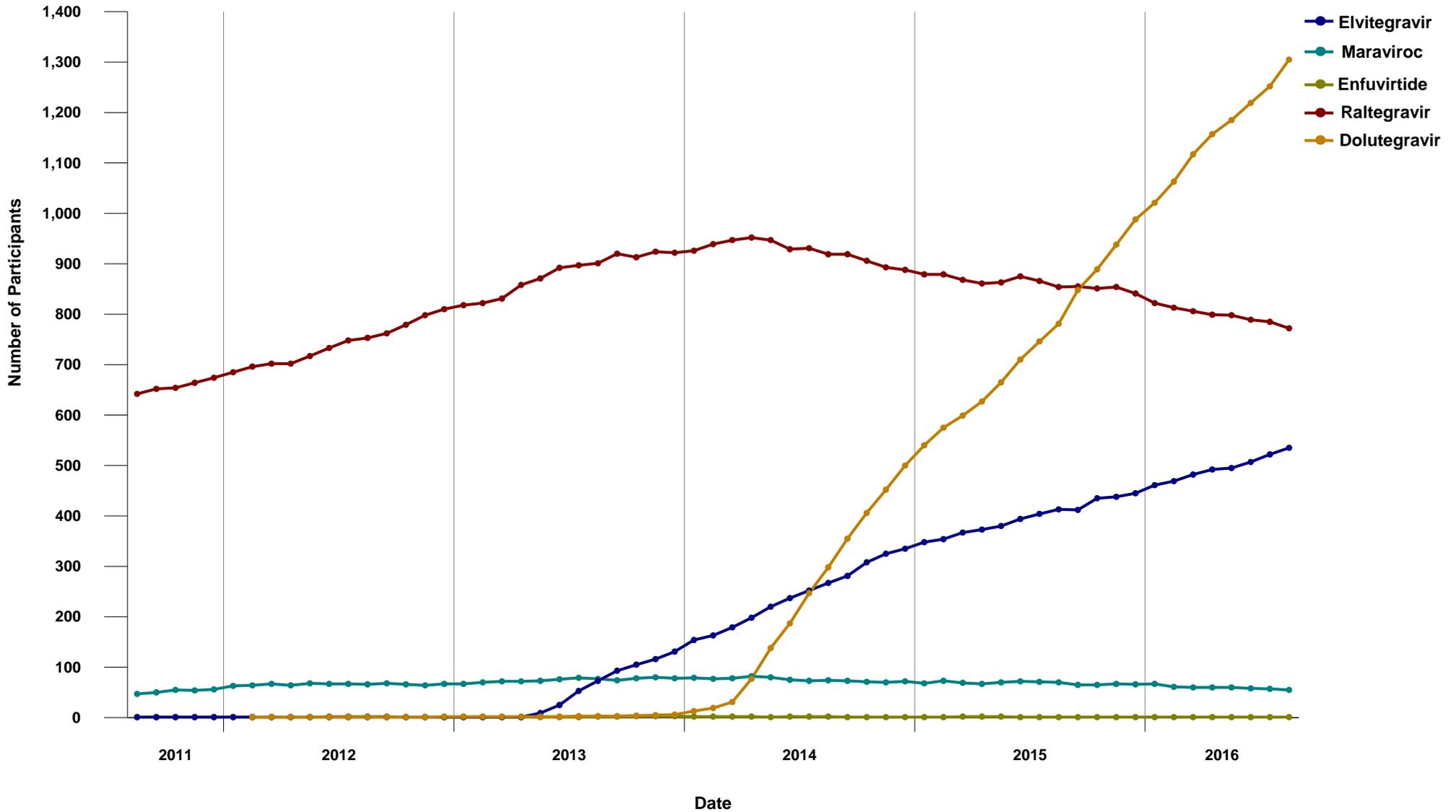
1.15 Distribution of Participants on Non-Nucleosides at the time of first start of ARV Therapy by INGREDIENT

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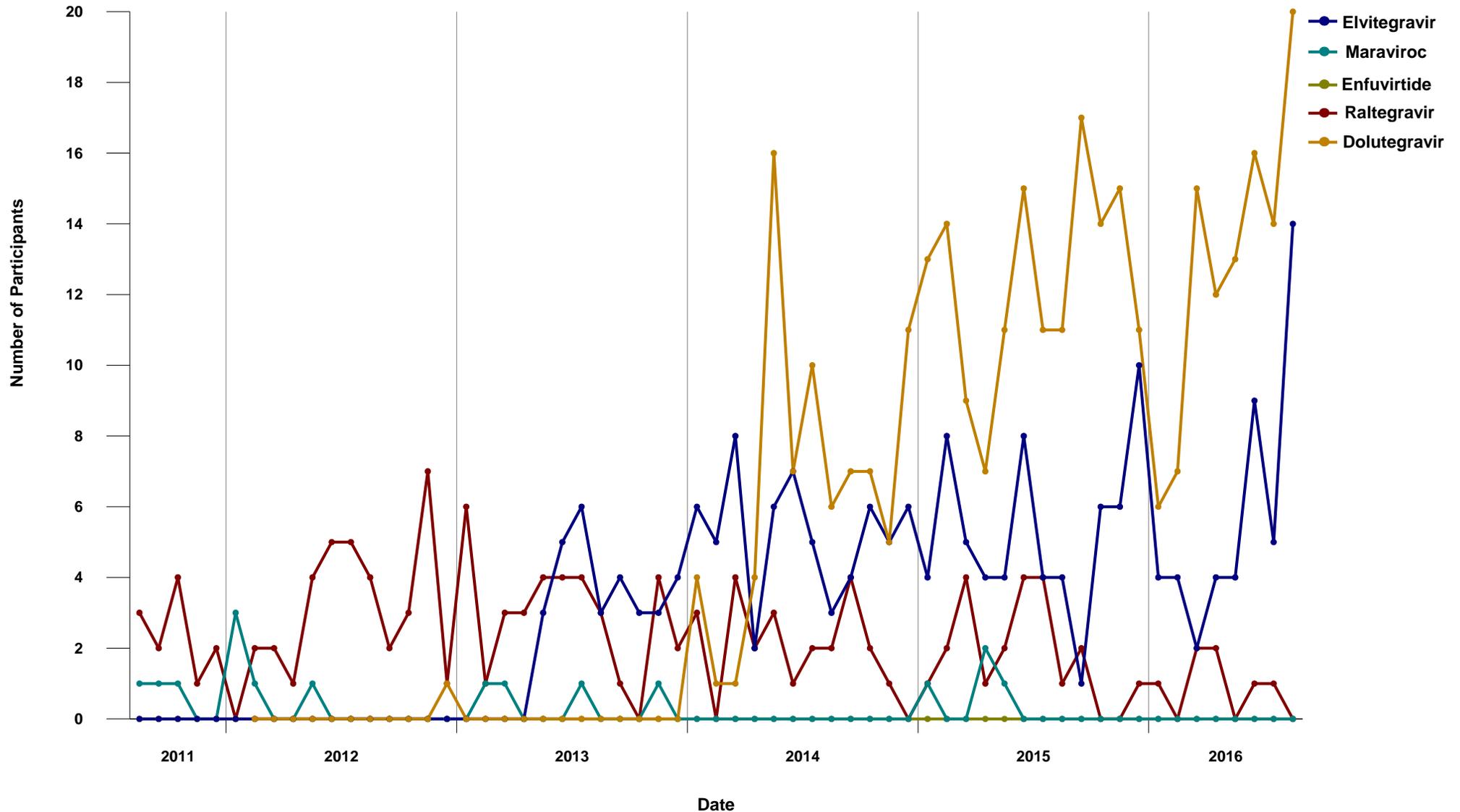
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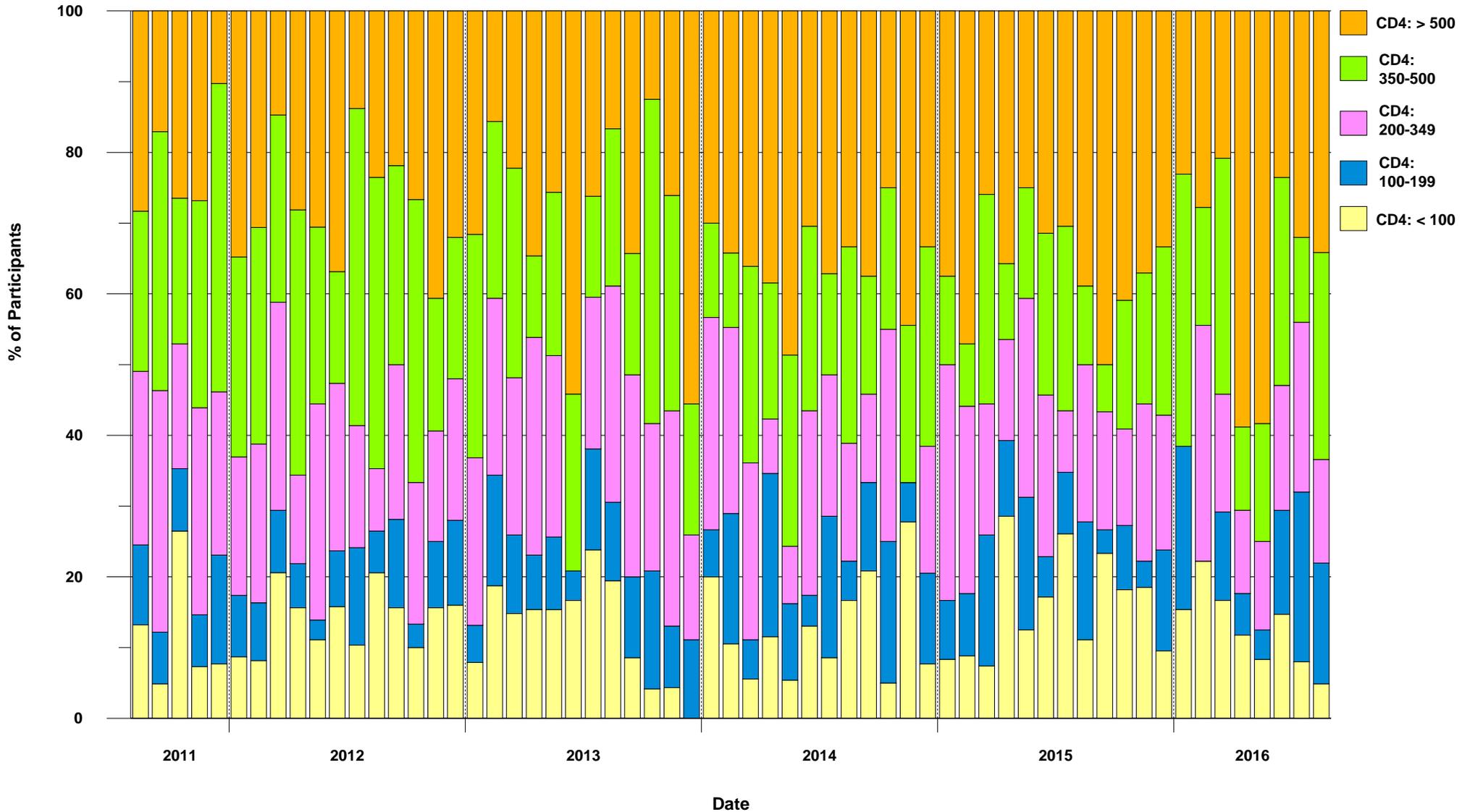
1.17 Distribution of Participants on Entry/Integrase Inhibitors at the time of first start of ARV Therapy by INGREDIENT

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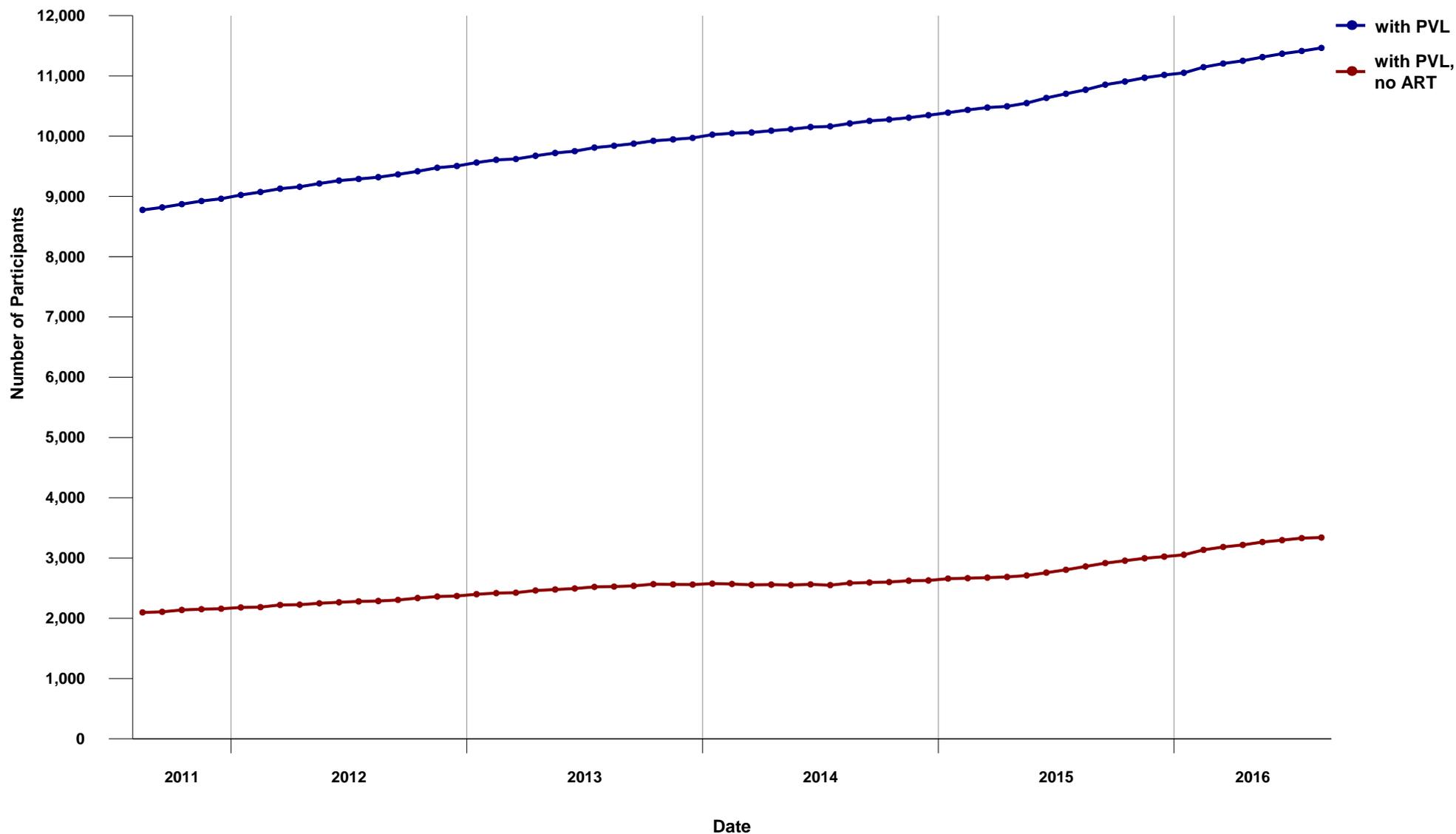


1.18 Baseline CD4 for Antiretroviral First Starts
(August 2011 - August 2016)



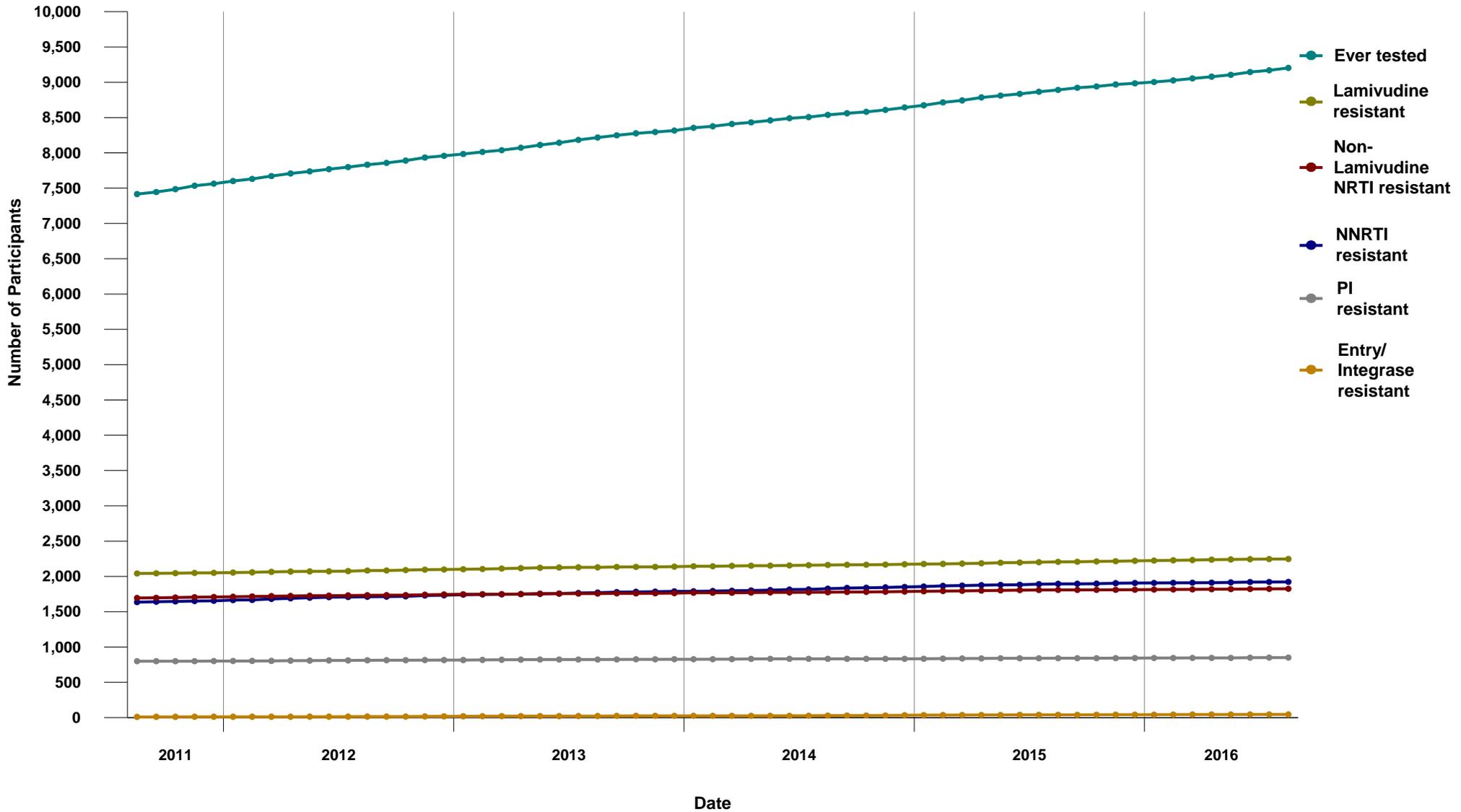


1.19 DTP Participants with PVL Measurement within previous five years, and never on ART (August 2011 - August 2016)



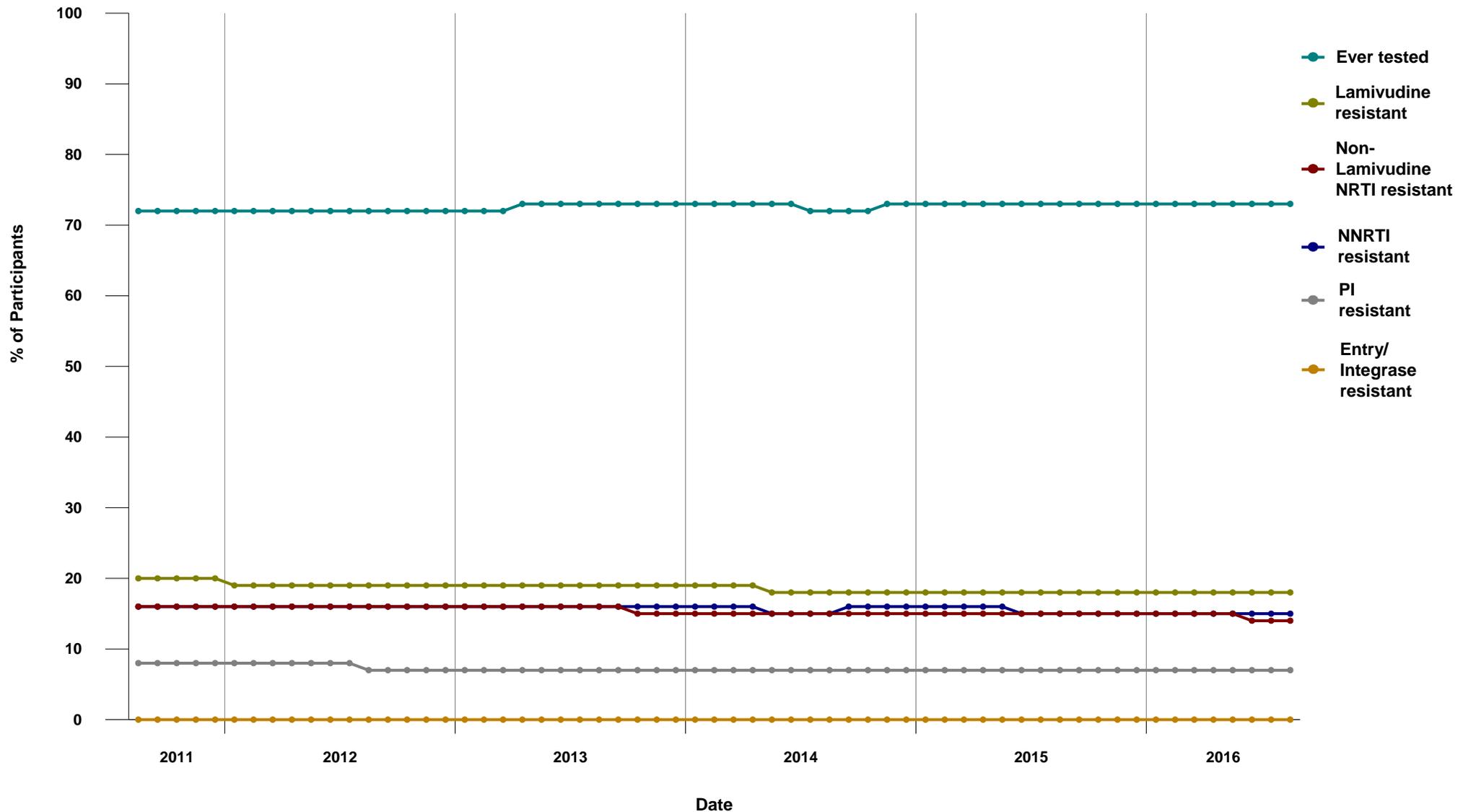


1.20 Cumulative Resistance Testing Results by Resistance Category (August 2011 - August 2016)





1.21 Percent of Participants ever on ARV - Resistance Testing Results by Resistance Category (August 2011 - August 2016)





**2.1 Duration of ARV treatment in the Province of BC, 1987-2016
(for HIV+ persons currently on treatment)**

| Start Year | Duration (years) Median | Male | Female | All | Current CD4 (n) | Median | Current PVL (n) | Median | Current ARV Median |
|---------------|----------------------------|-------------|-------------|-------------|--------------------|--------|--------------------|--------|-----------------------|
| 1987 | 24 | 4 | 0 | 4 | 4 | 900 | 4 | <40 | 3 |
| 1988 | 24 | 7 | 0 | 7 | 7 | 490 | 7 | <40 | 3 |
| 1989 | 23 | 55 | 2 | 57 | 49 | 520 | 56 | <40 | 3 |
| 1990 | 22 | 62 | 1 | 63 | 59 | 540 | 61 | <40 | 3 |
| 1991 | 22 | 38 | 3 | 41 | 34 | 520 | 40 | <40 | 3 |
| 1992 | 22 | 69 | 5 | 74 | 57 | 590 | 71 | <40 | 3 |
| 1993 | 21 | 144 | 15 | 159 | 144 | 580 | 155 | <40 | 3 |
| 1994 | 20 | 92 | 13 | 105 | 90 | 560 | 101 | <40 | 3 |
| 1995 | 20 | 125 | 23 | 148 | 124 | 550 | 135 | <40 | 3 |
| 1996 | 18 | 361 | 59 | 420 | 366 | 620 | 411 | <40 | 3 |
| 1997 | 16 | 298 | 40 | 338 | 304 | 625 | 326 | <40 | 3 |
| 1998 | 15 | 220 | 46 | 266 | 226 | 585 | 253 | <40 | 3 |
| 1999 | 15 | 183 | 40 | 223 | 198 | 570 | 214 | <40 | 3 |
| 2000 | 15 | 139 | 38 | 177 | 157 | 580 | 172 | <40 | 3 |
| 2001 | 15 | 133 | 35 | 168 | 146 | 571 | 156 | <40 | 3 |
| 2002 | 14 | 142 | 30 | 172 | 143 | 570 | 162 | <40 | 3 |
| 2003 | 13 | 171 | 35 | 206 | 181 | 590 | 196 | <40 | 3 |
| 2004 | 12 | 176 | 40 | 216 | 192 | 580 | 206 | <40 | 3 |
| 2005 | 11 | 206 | 52 | 258 | 218 | 620 | 242 | <40 | 3 |
| 2006 | 10 | 210 | 47 | 257 | 213 | 590 | 240 | <40 | 3 |
| 2007 | 9 | 277 | 52 | 329 | 286 | 610 | 317 | <40 | 3 |
| 2008 | 8 | 304 | 73 | 377 | 322 | 610 | 360 | <40 | 3 |
| 2009 | 7 | 341 | 76 | 417 | 355 | 660 | 401 | <40 | 3 |
| 2010 | 6 | 309 | 72 | 381 | 332 | 625 | 360 | <40 | 3 |
| 2011 | 5 | 368 | 78 | 446 | 378 | 670 | 419 | <40 | 3 |
| 2012 | 4 | 297 | 67 | 364 | 313 | 690 | 347 | <40 | 3 |
| 2013 | 3 | 288 | 68 | 356 | 295 | 630 | 343 | <40 | 3 |
| 2014 | 2 | 313 | 58 | 371 | 302 | 690 | 352 | <40 | 3 |
| 2015 | 1 | 345 | 54 | 399 | 334 | 610 | 378 | <40 | 3 |
| 2016 | 0 | 217 | 40 | 257 | 242 | 509 | 245 | <40 | 3 |
| Total: | | 5894 | 1162 | 7056 | | | | | |

Definitions:

On treatment defined as being on ARV therapy in the specified month and not reported deceased

Duration defined as cumulative years on ARV therapy, excluding periods of treatment interruption

Current CD4 and PVL tests defined as tests done in the last 6 months (most recent)

Current ARV defined as number of ARV drugs in the current regimen





2.2 Median Viral Load and CD4 for Active patients in Drug Treatment Program

| MON-YYYY | # of patients | Median # of therapy days | # of patients with PVL test | Median PVL | # of patients with CD4 test | Median CD4 |
|----------|---------------|--------------------------|-----------------------------|------------|-----------------------------|------------|
| JAN-2015 | 6739 | 760 | 2430 | <40 | 2189 | 580 |
| FEB-2015 | 6787 | 754 | 1976 | <40 | 1779 | 580 |
| MAR-2015 | 6834 | 748 | 2172 | <40 | 1973 | 570 |
| APR-2015 | 6845 | 739 | 2150 | <40 | 1971 | 580 |
| MAY-2015 | 6882 | 740 | 2032 | <40 | 1842 | 560 |
| JUN-2015 | 6898 | 740 | 2253 | <40 | 2043 | 580 |
| JUL-2015 | 6925 | 739 | 2037 | <40 | 1853 | 580 |
| AUG-2015 | 6922 | 752 | 2075 | <40 | 1831 | 580 |
| SEP-2015 | 6923 | 749 | 2265 | <40 | 2059 | 580 |
| OCT-2015 | 6957 | 740 | 2099 | <40 | 1877 | 590 |
| NOV-2015 | 7008 | 722 | 2064 | <40 | 1875 | 580 |
| DEC-2015 | 6990 | 725 | 2015 | <40 | 1830 | 600 |
| JAN-2016 | 6976 | 735 | 2264 | <40 | 2018 | 590 |
| FEB-2016 | 6994 | 735 | 2065 | <40 | 1862 | 590 |
| MAR-2016 | 7001 | 736 | 2155 | <40 | 1953 | 590 |
| APR-2016 | 7023 | 733 | 2054 | <40 | 1859 | 580 |
| MAY-2016 | 7054 | 747 | 2074 | <40 | 1865 | 590 |
| JUN-2016 | 7075 | 739 | 2181 | <40 | 1947 | 610 |
| JUL-2016 | 7070 | 749 | 1950 | <40 | 1705 | 610 |
| AUG-2016 | 7078 | 749 | 2066 | <40 | 1761 | 600 |

Definitions:

Active patient defined as being on ARV treatment in the specified month

Therapy days defined as number of consecutive days on ARV treatment (most recent uninterrupted period)

PVL and CD4 tests defined as tests done in the specified month





2.3 Median Viral Load and CD4 for Inactive patients in Drug Treatment Program

| MON-YYYY | # of patients | Median # days of off therapy | # of patients with PVL test | Median PVL | # of patients with CD4 test | Median CD4 |
|----------|---------------|------------------------------|-----------------------------|------------|-----------------------------|------------|
| JAN-2015 | 1513 | 2042 | 104 | 1325 | 89 | 340 |
| FEB-2015 | 1497 | 2111 | 103 | 75 | 89 | 380 |
| MAR-2015 | 1469 | 2260 | 101 | 56 | 95 | 410 |
| APR-2015 | 1475 | 2244 | 83 | 2239 | 73 | 460 |
| MAY-2015 | 1459 | 2353 | 73 | 148 | 65 | 380 |
| JUN-2015 | 1476 | 2271 | 96 | 106 | 92 | 420 |
| JUL-2015 | 1469 | 2336 | 71 | 598 | 60 | 380 |
| AUG-2015 | 1480 | 2303 | 82 | 2341 | 77 | 440 |
| SEP-2015 | 1504 | 2231 | 91 | 128 | 85 | 360 |
| OCT-2015 | 1486 | 2347 | 81 | <40 | 70 | 405 |
| NOV-2015 | 1463 | 2458 | 85 | 169 | 78 | 400 |
| DEC-2015 | 1499 | 2314 | 79 | 344 | 64 | 330 |
| JAN-2016 | 1511 | 2288 | 114 | <40 | 102 | 470 |
| FEB-2016 | 1504 | 2348 | 79 | 353 | 71 | 380 |
| MAR-2016 | 1510 | 2327 | 87 | 130 | 82 | 445 |
| APR-2016 | 1512 | 2323 | 86 | <50 | 72 | 355 |
| MAY-2016 | 1496 | 2404 | 75 | <40 | 66 | 350 |
| JUN-2016 | 1505 | 2404 | 69 | 56 | 53 | 510 |
| JUL-2016 | 1528 | 2343 | 81 | 57 | 73 | 430 |
| AUG-2016 | 1564 | 2223 | 97 | 91 | 75 | 400 |

Definitions:

Inactive patient defined as not deceased, not being on ARV treatment in the specified month (but previously treated with ARVs)

Days off therapy defined as number of days elapsed since last ARV treatment

PVL and CD4 tests defined as tests done in the specified month





2.4 BC-CfE Enrollment

| MON-YYYY | Currently on ARV Therapy | Currently off ARV Therapy | Deceased | First Starts | Experienced Starts | New Inactive | Net Change | Cumulative Patients |
|----------|--------------------------|---------------------------|----------|--------------|--------------------|--------------|------------|---------------------|
| JAN-2015 | 6706 | 1513 | 13 | 24 | 149 | 188 | -35 | 11954 |
| FEB-2015 | 6756 | 1497 | 7 | 36 | 187 | 163 | 50 | 12006 |
| MAR-2015 | 6809 | 1469 | 7 | 29 | 177 | 144 | 53 | 12046 |
| APR-2015 | 6808 | 1475 | 15 | 28 | 168 | 172 | -1 | 12082 |
| MAY-2015 | 6847 | 1459 | 9 | 33 | 171 | 150 | 39 | 12123 |
| JUN-2015 | 6870 | 1476 | 5 | 36 | 153 | 159 | 23 | 12170 |
| JUL-2015 | 6906 | 1469 | 5 | 25 | 167 | 149 | 36 | 12208 |
| AUG-2015 | 6903 | 1480 | 7 | 19 | 145 | 157 | -3 | 12238 |
| SEP-2015 | 6898 | 1504 | 9 | 32 | 157 | 180 | -5 | 12279 |
| OCT-2015 | 6926 | 1486 | 14 | 24 | 171 | 147 | 28 | 12316 |
| NOV-2015 | 6977 | 1463 | 9 | 29 | 183 | 150 | 51 | 12357 |
| DEC-2015 | 6956 | 1499 | 11 | 22 | 153 | 181 | -21 | 12390 |
| JAN-2016 | 6946 | 1511 | 9 | 16 | 154 | 168 | -10 | 12411 |
| FEB-2016 | 6967 | 1504 | 5 | 18 | 177 | 163 | 21 | 12439 |
| MAR-2016 | 6976 | 1510 | 9 | 24 | 170 | 172 | 9 | 12473 |
| APR-2016 | 7001 | 1512 | 6 | 21 | 168 | 157 | 25 | 12508 |
| MAY-2016 | 7034 | 1496 | 7 | 24 | 160 | 143 | 33 | 12539 |
| JUN-2016 | 7052 | 1505 | 12 | 34 | 161 | 163 | 18 | 12582 |
| JUL-2016 | 7045 | 1528 | 10 | 26 | 135 | 154 | -7 | 12615 |
| AUG-2016 | 7056 | 1564 | 7 | 41 | 160 | 178 | 11 | 12675 |

Definitions:

Currently on ARV Therapy defined as being on ARV treatment in the specified month, and not deceased/moved out of BC

Currently off ARV Therapy defined as not being on ARV treatment in the specified month, not deceased/moved out of BC, but on ARVs in the past

Deceased defined as deceased in the specified month, and being on ARV treatment in the previous month

First Starts defined as starting ARV treatment in the specified month for the first time (ARV naive)

Experienced Starts defined as starting ARV treatment in the specified month, but previously being treated with ARVs

New Inactive defined as not being on ARV treatment in the specified month, not deceased/moved out of BC, but on ARV treatment in the previous month

Net Change is defined as difference between ARV starts (First and Experienced) and ARV stops (Deceased/Moved out of BC and New Inactive)





2.5 Percent Distribution of Participants on ARV Therapy by Number of Drugs

| MON-YYYY | Less than 3 Drugs | 3 Drugs | 4 Drugs | 5 or more Drugs | All ARV | Less than 3 Drugs% | 3 Drugs% | 4 Drugs% | 5 or more Drugs% | Total% |
|----------|-------------------|---------|---------|-----------------|-------------|--------------------|----------|----------|------------------|----------------|
| JAN-2015 | 48 | 6180 | 440 | 74 | 6742 | 0.71% | 91.66% | 6.53% | 1.10% | 100.00% |
| FEB-2015 | 49 | 6219 | 451 | 73 | 6792 | 0.72% | 91.56% | 6.64% | 1.07% | 100.00% |
| MAR-2015 | 47 | 6287 | 436 | 67 | 6837 | 0.69% | 91.96% | 6.38% | 0.98% | 100.00% |
| APR-2015 | 47 | 6296 | 435 | 67 | 6845 | 0.69% | 91.98% | 6.36% | 0.98% | 100.00% |
| MAY-2015 | 49 | 6334 | 431 | 68 | 6882 | 0.71% | 92.04% | 6.26% | 0.99% | 100.00% |
| JUN-2015 | 51 | 6329 | 446 | 72 | 6898 | 0.74% | 91.75% | 6.47% | 1.04% | 100.00% |
| JUL-2015 | 46 | 6359 | 453 | 67 | 6925 | 0.66% | 91.83% | 6.54% | 0.97% | 100.00% |
| AUG-2015 | 49 | 6359 | 444 | 70 | 6922 | 0.71% | 91.87% | 6.41% | 1.01% | 100.00% |
| SEP-2015 | 49 | 6371 | 439 | 64 | 6923 | 0.71% | 92.03% | 6.34% | 0.92% | 100.00% |
| OCT-2015 | 52 | 6399 | 442 | 64 | 6957 | 0.75% | 91.98% | 6.35% | 0.92% | 100.00% |
| NOV-2015 | 55 | 6441 | 445 | 67 | 7008 | 0.78% | 91.91% | 6.35% | 0.96% | 100.00% |
| DEC-2015 | 52 | 6428 | 448 | 62 | 6990 | 0.74% | 91.96% | 6.41% | 0.89% | 100.00% |
| JAN-2016 | 54 | 6413 | 448 | 61 | 6976 | 0.77% | 91.93% | 6.42% | 0.87% | 100.00% |
| FEB-2016 | 57 | 6441 | 437 | 59 | 6994 | 0.81% | 92.09% | 6.25% | 0.84% | 100.00% |
| MAR-2016 | 53 | 6449 | 438 | 61 | 7001 | 0.76% | 92.12% | 6.26% | 0.87% | 100.00% |
| APR-2016 | 53 | 6471 | 442 | 57 | 7023 | 0.75% | 92.14% | 6.29% | 0.81% | 100.00% |
| MAY-2016 | 56 | 6504 | 439 | 55 | 7054 | 0.79% | 92.20% | 6.22% | 0.78% | 100.00% |
| JUN-2016 | 59 | 6512 | 447 | 57 | 7075 | 0.83% | 92.04% | 6.32% | 0.81% | 100.00% |
| JUL-2016 | 57 | 6513 | 443 | 57 | 7070 | 0.81% | 92.12% | 6.27% | 0.81% | 100.00% |
| AUG-2016 | 57 | 6517 | 449 | 55 | 7078 | 0.81% | 92.07% | 6.34% | 0.78% | 100.00% |

Definitions:

Number of Drugs is calculated as number of individual drugs in ARV Therapy (excluding low dose ritonavir used for boosting a protease inhibitor)





2.6 Number of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT

| | lamivudine | | abacavir | | zidovudine | | stavudine | | didanosine | | emtricitabine | | tenofovir <TAF> | |
|----------|------------|----------|----------|----------|------------|--------|-----------|-------|------------|-------|---------------|----------|-----------------|-------|
| | Initial | All | Initial | All | Initial | All | Initial | All | Initial | All | Initial | All | Initial | All |
| JAN-2015 | 10 29% | 2583 40% | 10 29% | 2220 34% | 0 0% | 127 2% | 0 0% | 19 0% | 0 0% | 11 0% | 25 71% | 3846 59% | 0 0% | 0 0% |
| FEB-2015 | 8 15% | 2593 39% | 8 15% | 2228 34% | 0 0% | 127 2% | 0 0% | 19 0% | 0 0% | 9 0% | 44 85% | 3878 59% | 0 0% | 0 0% |
| MAR-2015 | 10 25% | 2610 39% | 10 25% | 2253 34% | 0 0% | 124 2% | 0 0% | 18 0% | 0 0% | 10 0% | 30 75% | 3913 59% | 0 0% | 0 0% |
| APR-2015 | 10 29% | 2626 40% | 10 29% | 2267 34% | 0 0% | 117 2% | 0 0% | 16 0% | 0 0% | 9 0% | 24 69% | 3911 59% | 0 0% | 0 0% |
| MAY-2015 | 8 20% | 2638 40% | 7 18% | 2280 34% | 0 0% | 118 2% | 0 0% | 14 0% | 0 0% | 9 0% | 32 80% | 3923 59% | 0 0% | 0 0% |
| JUN-2015 | 10 21% | 2633 39% | 10 21% | 2287 34% | 0 0% | 115 2% | 0 0% | 15 0% | 0 0% | 9 0% | 37 79% | 3942 59% | 0 0% | 0 0% |
| JUL-2015 | 4 11% | 2659 40% | 4 11% | 2313 34% | 0 0% | 111 2% | 0 0% | 14 0% | 0 0% | 9 0% | 34 89% | 3945 59% | 0 0% | 0 0% |
| AUG-2015 | 12 40% | 2675 40% | 11 37% | 2334 35% | 1 3% | 111 2% | 0 0% | 12 0% | 0 0% | 9 0% | 18 60% | 3941 59% | 0 0% | 0 0% |
| SEP-2015 | 17 41% | 2715 40% | 15 37% | 2373 35% | 0 0% | 107 2% | 1 2% | 13 0% | 0 0% | 6 0% | 24 59% | 3911 58% | 0 0% | 0 0% |
| OCT-2015 | 11 30% | 2747 41% | 10 27% | 2404 36% | 0 0% | 102 2% | 0 0% | 13 0% | 0 0% | 8 0% | 26 70% | 3901 58% | 0 0% | 0 0% |
| NOV-2015 | 17 41% | 2786 41% | 15 37% | 2441 36% | 1 2% | 102 2% | 0 0% | 13 0% | 0 0% | 8 0% | 24 59% | 3911 58% | 0 0% | 0 0% |
| DEC-2015 | 5 15% | 2794 41% | 5 15% | 2455 36% | 0 0% | 95 1% | 0 0% | 12 0% | 0 0% | 8 0% | 28 85% | 3885 57% | 0 0% | 0 0% |
| JAN-2016 | 4 19% | 2820 42% | 4 19% | 2487 37% | 0 0% | 93 1% | 0 0% | 11 0% | 0 0% | 8 0% | 17 81% | 3855 57% | 0 0% | 0 0% |
| FEB-2016 | 10 36% | 2855 42% | 9 32% | 2523 37% | 1 4% | 94 1% | 0 0% | 11 0% | 0 0% | 8 0% | 18 64% | 3831 57% | 0 0% | 0 0% |
| MAR-2016 | 9 26% | 2880 43% | 7 21% | 2545 38% | 1 3% | 94 1% | 0 0% | 11 0% | 0 0% | 8 0% | 25 74% | 3812 56% | 0 0% | 0 0% |
| APR-2016 | 12 34% | 2896 43% | 9 26% | 2570 38% | 3 9% | 93 1% | 0 0% | 11 0% | 0 0% | 8 0% | 23 66% | 3818 56% | 0 0% | 5 0% |
| MAY-2016 | 8 26% | 2898 43% | 8 26% | 2582 38% | 0 0% | 92 1% | 0 0% | 11 0% | 0 0% | 7 0% | 23 74% | 3842 56% | 0 0% | 6 0% |
| JUN-2016 | 11 26% | 2929 43% | 11 26% | 2607 38% | 0 0% | 91 1% | 0 0% | 12 0% | 0 0% | 7 0% | 32 74% | 3837 56% | 1 2% | 8 0% |
| JUL-2016 | 9 27% | 2907 43% | 9 27% | 2587 38% | 0 0% | 90 1% | 0 0% | 12 0% | 0 0% | 7 0% | 24 73% | 3843 56% | 0 0% | 8 0% |
| AUG-2016 | 11 19% | 2939 43% | 11 19% | 2631 38% | 0 0% | 80 1% | 0 0% | 11 0% | 0 0% | 7 0% | 48 81% | 3831 56% | 6 10% | 13 0% |

Definitions:

Initial is defined as number of patients whose first ARV treatment with the BC-CfE DTP contains INGREDIENT;

% is calculated as ratio of "Initial" and number of patients whose first treatment is of given CLASS

All is defined as number of patients on ARV treatment which contains INGREDIENT;

% is calculated as ratio of "All" and number of patients whose treatment is of given CLASS





Monthly Report

2.6 Number of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT (continued)

| | tenofovir <TDF> | | | |
|----------|-----------------|-----|------|-----|
| | Initial | | All | |
| JAN-2015 | 25 | 71% | 4210 | 64% |
| FEB-2015 | 44 | 85% | 4241 | 64% |
| MAR-2015 | 30 | 75% | 4269 | 64% |
| APR-2015 | 24 | 69% | 4267 | 64% |
| MAY-2015 | 33 | 83% | 4277 | 64% |
| JUN-2015 | 37 | 79% | 4293 | 64% |
| JUL-2015 | 34 | 89% | 4295 | 64% |
| AUG-2015 | 18 | 60% | 4281 | 64% |
| SEP-2015 | 24 | 59% | 4251 | 63% |
| OCT-2015 | 27 | 73% | 4239 | 63% |
| NOV-2015 | 25 | 61% | 4243 | 63% |
| DEC-2015 | 28 | 85% | 4210 | 62% |
| JAN-2016 | 17 | 81% | 4172 | 62% |
| FEB-2016 | 18 | 64% | 4138 | 61% |
| MAR-2016 | 26 | 76% | 4115 | 61% |
| APR-2016 | 23 | 66% | 4110 | 61% |
| MAY-2016 | 23 | 74% | 4128 | 61% |
| JUN-2016 | 31 | 72% | 4126 | 60% |
| JUL-2016 | 24 | 73% | 4127 | 60% |
| AUG-2016 | 42 | 71% | 4106 | 60% |

Definitions:

Initial is defined as number of patients whose first ARV treatment with the BC-CfE DTP contains INGREDIENT;

% is calculated as ratio of "Initial" and number of patients whose first treatment is of given CLASS

All is defined as number of patients on ARV treatment which contains INGREDIENT;

% is calculated as ratio of "All" and number of patients whose treatment is of given CLASS





2.7 Number of Participants on Protease Inhibitor by INGREDIENT

| | (fos)amprenavir | | atazanavir | | darunavir | | lopinavir | | nelfinavir | | ritonavir | | saquinavir | |
|----------|-----------------|-------|------------|----------|-----------|----------|-----------|---------|------------|------|-----------|------|------------|-------|
| | Initial | All | Initial | All | Initial | All | Initial | All | Initial | All | Initial | All | Initial | All |
| JAN-2015 | 0 0% | 12 0% | 6 50% | 2029 60% | 6 50% | 930 28% | 0 0% | 383 11% | 0 0% | 4 0% | 0 0% | 1 0% | 0 0% | 18 1% |
| FEB-2015 | 0 0% | 10 0% | 8 31% | 2029 60% | 18 69% | 960 28% | 0 0% | 380 11% | 0 0% | 5 0% | 0 0% | 1 0% | 0 0% | 17 1% |
| MAR-2015 | 0 0% | 11 0% | 8 47% | 2044 60% | 8 47% | 970 29% | 0 0% | 375 11% | 1 6% | 6 0% | 0 0% | 1 0% | 0 0% | 17 1% |
| APR-2015 | 0 0% | 12 0% | 7 33% | 2025 60% | 14 67% | 988 29% | 0 0% | 364 11% | 0 0% | 6 0% | 0 0% | 1 0% | 0 0% | 18 1% |
| MAY-2015 | 0 0% | 12 0% | 10 63% | 2000 59% | 6 38% | 1018 30% | 0 0% | 360 11% | 0 0% | 4 0% | 0 0% | 1 0% | 0 0% | 19 1% |
| JUN-2015 | 0 0% | 11 0% | 8 44% | 1966 58% | 10 56% | 1037 31% | 0 0% | 358 11% | 0 0% | 5 0% | 0 0% | 1 0% | 0 0% | 18 1% |
| JUL-2015 | 0 0% | 10 0% | 1 7% | 1958 58% | 11 79% | 1050 31% | 1 7% | 351 10% | 0 0% | 5 0% | 0 0% | 1 0% | 1 7% | 19 1% |
| AUG-2015 | 0 0% | 11 0% | 1 9% | 1946 58% | 7 64% | 1054 31% | 3 27% | 345 10% | 0 0% | 4 0% | 0 0% | 1 0% | 0 0% | 18 1% |
| SEP-2015 | 0 0% | 11 0% | 4 25% | 1912 58% | 11 69% | 1061 32% | 1 6% | 338 10% | 0 0% | 3 0% | 0 0% | 1 0% | 0 0% | 17 1% |
| OCT-2015 | 0 0% | 10 0% | 5 31% | 1900 57% | 10 63% | 1087 33% | 1 6% | 331 10% | 0 0% | 4 0% | 0 0% | 1 0% | 0 0% | 17 1% |
| NOV-2015 | 0 0% | 10 0% | 4 27% | 1875 56% | 9 60% | 1107 33% | 2 13% | 329 10% | 0 0% | 4 0% | 0 0% | 1 0% | 0 0% | 17 1% |
| DEC-2015 | 0 0% | 11 0% | 3 25% | 1838 56% | 8 67% | 1119 34% | 1 8% | 328 10% | 0 0% | 4 0% | 0 0% | 1 0% | 0 0% | 17 1% |
| JAN-2016 | 0 0% | 11 0% | 5 45% | 1822 55% | 5 45% | 1131 34% | 1 9% | 327 10% | 0 0% | 3 0% | 0 0% | 1 0% | 0 0% | 17 1% |
| FEB-2016 | 0 0% | 10 0% | 6 46% | 1793 55% | 6 46% | 1158 35% | 1 8% | 318 10% | 0 0% | 3 0% | 0 0% | 1 0% | 0 0% | 17 1% |
| MAR-2016 | 0 0% | 9 0% | 4 25% | 1772 55% | 11 69% | 1172 36% | 1 6% | 300 9% | 0 0% | 3 0% | 0 0% | 1 0% | 0 0% | 17 1% |
| APR-2016 | 0 0% | 9 0% | 1 7% | 1748 54% | 14 93% | 1202 37% | 0 0% | 294 9% | 0 0% | 3 0% | 0 0% | 1 0% | 0 0% | 17 1% |
| MAY-2016 | 0 0% | 8 0% | 2 17% | 1733 53% | 10 83% | 1224 38% | 0 0% | 283 9% | 0 0% | 2 0% | 0 0% | 1 0% | 0 0% | 16 0% |
| JUN-2016 | 0 0% | 8 0% | 3 20% | 1713 53% | 12 80% | 1241 38% | 0 0% | 284 9% | 0 0% | 4 0% | 0 0% | 1 0% | 0 0% | 15 0% |
| JUL-2016 | 0 0% | 7 0% | 4 27% | 1696 53% | 11 73% | 1244 39% | 0 0% | 274 8% | 0 0% | 3 0% | 0 0% | 1 0% | 0 0% | 13 0% |
| AUG-2016 | 0 0% | 8 0% | 3 10% | 1667 52% | 26 90% | 1258 39% | 0 0% | 269 8% | 0 0% | 2 0% | 0 0% | 0 0% | 0 0% | 14 0% |

Definitions:

Initial is defined as number of patients whose first ARV treatment with the BC-CfE DTP contains INGREDIENT;

% is calculated as ratio of "Initial" and number of patients whose first treatment is of given CLASS

All is defined as number of patients on ARV treatment which contains INGREDIENT;

% is calculated as ratio of "All" and number of patients whose treatment is of given CLASS

Ritonavir - greater than 400 mg total daily dose





Monthly Report

2.7 Number of Participants on Protease Inhibitor by INGREDIENT (continued)

| | tipranavir | | | |
|----------|------------|----|-----|----|
| | Initial | | All | |
| JAN-2015 | 0 | 0% | 1 | 0% |
| FEB-2015 | 0 | 0% | 1 | 0% |
| MAR-2015 | 0 | 0% | 1 | 0% |
| APR-2015 | 0 | 0% | 1 | 0% |
| MAY-2015 | 0 | 0% | 1 | 0% |
| JUN-2015 | 0 | 0% | 1 | 0% |
| JUL-2015 | 0 | 0% | 1 | 0% |
| AUG-2015 | 0 | 0% | 1 | 0% |
| SEP-2015 | 0 | 0% | 1 | 0% |
| OCT-2015 | 0 | 0% | 1 | 0% |
| NOV-2015 | 0 | 0% | 1 | 0% |
| DEC-2015 | 0 | 0% | 1 | 0% |
| JAN-2016 | 0 | 0% | 1 | 0% |
| FEB-2016 | 0 | 0% | 1 | 0% |
| MAR-2016 | 0 | 0% | 1 | 0% |
| APR-2016 | 0 | 0% | 1 | 0% |
| MAY-2016 | 0 | 0% | 1 | 0% |
| JUN-2016 | 0 | 0% | 1 | 0% |
| JUL-2016 | 0 | 0% | 1 | 0% |
| AUG-2016 | 0 | 0% | 0 | 0% |

Definitions:

Initial is defined as number of patients whose first ARV treatment with the BC-CfE DTP contains INGREDIENT;

% is calculated as ratio of "Initial" and number of patients whose first treatment is of given CLASS

All is defined as number of patients on ARV treatment which contains INGREDIENT;

% is calculated as ratio of "All" and number of patients whose treatment is of given CLASS

Ritonavir - greater than 400 mg total daily dose





2.8 Number of Participants on Non-Nucleosides by INGREDIENT

| | efavirenz | | etravirine | | nevirapine | | rilpivirine | |
|----------|-----------|----------|------------|---------|------------|---------|-------------|---------|
| | Initial | All | Initial | All | Initial | All | Initial | All |
| JAN-2015 | 6 75% | 1174 45% | 0 0% | 306 12% | 0 0% | 900 34% | 2 25% | 253 10% |
| FEB-2015 | 4 50% | 1169 45% | 0 0% | 306 12% | 0 0% | 892 34% | 4 50% | 250 10% |
| MAR-2015 | 7 88% | 1167 45% | 0 0% | 303 12% | 0 0% | 889 34% | 1 13% | 255 10% |
| APR-2015 | 4 67% | 1148 44% | 1 17% | 305 12% | 0 0% | 888 34% | 1 17% | 259 10% |
| MAY-2015 | 7 58% | 1139 44% | 1 8% | 309 12% | 0 0% | 887 34% | 4 33% | 260 10% |
| JUN-2015 | 2 29% | 1133 44% | 0 0% | 317 12% | 0 0% | 877 34% | 5 71% | 262 10% |
| JUL-2015 | 8 89% | 1122 44% | 0 0% | 311 12% | 0 0% | 880 34% | 1 11% | 260 10% |
| AUG-2015 | 4 80% | 1104 43% | 0 0% | 307 12% | 0 0% | 879 35% | 1 20% | 253 10% |
| SEP-2015 | 8 89% | 1097 43% | 1 11% | 305 12% | 0 0% | 873 35% | 0 0% | 256 10% |
| OCT-2015 | 2 50% | 1083 43% | 0 0% | 312 12% | 1 25% | 867 35% | 1 25% | 251 10% |
| NOV-2015 | 4 67% | 1074 43% | 0 0% | 312 12% | 0 0% | 865 35% | 2 33% | 254 10% |
| DEC-2015 | 3 100% | 1056 43% | 0 0% | 312 13% | 0 0% | 863 35% | 0 0% | 254 10% |
| JAN-2016 | 2 100% | 1034 42% | 0 0% | 302 12% | 0 0% | 855 35% | 0 0% | 256 10% |
| FEB-2016 | 3 60% | 1008 41% | 0 0% | 306 13% | 1 20% | 857 35% | 1 20% | 259 11% |
| MAR-2016 | 2 50% | 997 41% | 0 0% | 307 13% | 1 25% | 854 35% | 1 25% | 258 11% |
| APR-2016 | 3 33% | 991 41% | 1 11% | 308 13% | 3 33% | 845 35% | 2 22% | 260 11% |
| MAY-2016 | 5 63% | 986 41% | 0 0% | 303 13% | 0 0% | 834 35% | 3 38% | 260 11% |
| JUN-2016 | 4 67% | 979 41% | 0 0% | 298 13% | 0 0% | 839 35% | 2 33% | 260 11% |
| JUL-2016 | 1 25% | 970 41% | 1 25% | 299 13% | 2 50% | 836 35% | 0 0% | 258 11% |
| AUG-2016 | 5 71% | 960 41% | 0 0% | 296 13% | 0 0% | 829 35% | 2 29% | 261 11% |

Definitions:

Initial is defined as number of patients whose first ARV treatment with the BC-CfE DTP contains INGREDIENT;

% is calculated as ratio of "Initial" and number of patients whose first treatment is of given CLASS

All is defined as number of patients on ARV treatment which contains INGREDIENT;

% is calculated as ratio of "All" and number of patients whose treatment is of given CLASS





2.9 Number of Participants on Entry/Integrase Inhibitors by INGREDIENT

| | dolutegravir | | elvitegravir | | maraviroc | | raltegravir | | enfuvirtide | |
|----------|--------------|----------|--------------|---------|-----------|-------|-------------|---------|-------------|------|
| | Initial | All | Initial | All | Initial | All | Initial | All | Initial | All |
| JAN-2015 | 13 72% | 540 30% | 4 22% | 348 19% | 1 6% | 68 4% | 1 6% | 879 49% | 0 0% | 1 0% |
| FEB-2015 | 14 58% | 575 31% | 8 33% | 354 19% | 0 0% | 73 4% | 2 8% | 879 48% | 0 0% | 1 0% |
| MAR-2015 | 9 50% | 599 32% | 5 28% | 367 20% | 0 0% | 69 4% | 4 22% | 868 47% | 0 0% | 2 0% |
| APR-2015 | 7 50% | 627 33% | 4 29% | 373 20% | 2 14% | 67 4% | 1 7% | 861 45% | 0 0% | 2 0% |
| MAY-2015 | 11 65% | 665 34% | 4 24% | 380 20% | 1 6% | 70 4% | 2 12% | 863 44% | 0 0% | 2 0% |
| JUN-2015 | 15 56% | 710 35% | 8 30% | 394 20% | 0 0% | 72 4% | 4 15% | 875 44% | 0 0% | 1 0% |
| JUL-2015 | 11 58% | 746 36% | 4 21% | 404 20% | 0 0% | 71 3% | 4 21% | 866 42% | 0 0% | 1 0% |
| AUG-2015 | 11 69% | 781 38% | 4 25% | 413 20% | 0 0% | 70 3% | 1 6% | 854 41% | 0 0% | 1 0% |
| SEP-2015 | 17 85% | 848 40% | 1 5% | 412 19% | 0 0% | 65 3% | 2 10% | 855 40% | 0 0% | 1 0% |
| OCT-2015 | 14 70% | 889 40% | 6 30% | 435 20% | 0 0% | 65 3% | 0 0% | 851 39% | 0 0% | 1 0% |
| NOV-2015 | 15 71% | 938 42% | 6 29% | 438 19% | 0 0% | 67 3% | 0 0% | 854 38% | 0 0% | 1 0% |
| DEC-2015 | 11 50% | 988 43% | 10 45% | 445 19% | 0 0% | 66 3% | 1 5% | 841 37% | 0 0% | 1 0% |
| JAN-2016 | 6 55% | 1021 44% | 4 36% | 461 20% | 0 0% | 67 3% | 1 9% | 822 35% | 0 0% | 1 0% |
| FEB-2016 | 7 64% | 1063 45% | 4 36% | 469 20% | 0 0% | 61 3% | 0 0% | 813 34% | 0 0% | 1 0% |
| MAR-2016 | 15 79% | 1117 46% | 2 11% | 482 20% | 0 0% | 60 2% | 2 11% | 806 33% | 0 0% | 1 0% |
| APR-2016 | 12 67% | 1157 47% | 4 22% | 492 20% | 0 0% | 60 2% | 2 11% | 799 32% | 0 0% | 1 0% |
| MAY-2016 | 13 76% | 1185 47% | 4 24% | 495 20% | 0 0% | 60 2% | 0 0% | 798 32% | 0 0% | 1 0% |
| JUN-2016 | 16 62% | 1219 48% | 9 35% | 507 20% | 0 0% | 58 2% | 1 4% | 789 31% | 0 0% | 1 0% |
| JUL-2016 | 14 70% | 1252 49% | 5 25% | 522 20% | 0 0% | 57 2% | 1 5% | 785 30% | 0 0% | 1 0% |
| AUG-2016 | 20 59% | 1305 49% | 14 41% | 535 20% | 0 0% | 55 2% | 0 0% | 772 29% | 0 0% | 1 0% |

Definitions:

Initial is defined as number of patients whose first ARV treatment with the BC-CfE DTP contains INGREDIENT;

% is calculated as ratio of "Initial" and number of patients whose first treatment is of given CLASS

All is defined as number of patients on ARV treatment which contains INGREDIENT;

% is calculated as ratio of "All" and number of patients whose treatment is of given CLASS





2.10 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class

| MON-YYYY | Boosted PI + 2 NRTIs | | NNRTI + 2 NRTIs | | Integrase + 2 NRTIs | | Un-boosted PI + 2 NRTIs | | MDRT | | Other | |
|----------|-------------------------|-------|--------------------|-------|------------------------|-------|----------------------------|------|------|------|-------|-------|
| | n | % | n | % | n | % | n | % | n | % | n | % |
| JAN-2015 | 2347 | 34.81 | 2123 | 31.49 | 1137 | 16.86 | 179 | 2.65 | 74 | 1.10 | 882 | 13.08 |
| FEB-2015 | 2363 | 34.79 | 2110 | 31.07 | 1176 | 17.31 | 178 | 2.62 | 73 | 1.07 | 892 | 13.13 |
| MAR-2015 | 2398 | 35.07 | 2112 | 30.89 | 1203 | 17.60 | 184 | 2.69 | 67 | 0.98 | 873 | 12.77 |
| APR-2015 | 2388 | 34.89 | 2095 | 30.61 | 1237 | 18.07 | 184 | 2.69 | 67 | 0.98 | 874 | 12.77 |
| MAY-2015 | 2392 | 34.76 | 2094 | 30.43 | 1274 | 18.51 | 179 | 2.60 | 68 | 0.99 | 875 | 12.71 |
| JUN-2015 | 2363 | 34.26 | 2078 | 30.12 | 1321 | 19.15 | 172 | 2.49 | 72 | 1.04 | 892 | 12.93 |
| JUL-2015 | 2370 | 34.22 | 2068 | 29.86 | 1352 | 19.52 | 171 | 2.47 | 67 | 0.97 | 897 | 12.95 |
| AUG-2015 | 2365 | 34.17 | 2044 | 29.53 | 1381 | 19.95 | 168 | 2.43 | 70 | 1.01 | 894 | 12.92 |
| SEP-2015 | 2323 | 33.55 | 2032 | 29.35 | 1445 | 20.87 | 168 | 2.43 | 64 | 0.92 | 891 | 12.87 |
| OCT-2015 | 2325 | 33.42 | 2005 | 28.82 | 1491 | 21.43 | 167 | 2.40 | 64 | 0.92 | 905 | 13.01 |
| NOV-2015 | 2317 | 33.06 | 2012 | 28.71 | 1540 | 21.97 | 160 | 2.28 | 67 | 0.96 | 912 | 13.01 |
| DEC-2015 | 2290 | 32.76 | 1983 | 28.37 | 1580 | 22.60 | 161 | 2.30 | 62 | 0.89 | 914 | 13.08 |
| JAN-2016 | 2288 | 32.80 | 1945 | 27.88 | 1612 | 23.11 | 158 | 2.26 | 61 | 0.87 | 912 | 13.07 |
| FEB-2016 | 2282 | 32.63 | 1925 | 27.52 | 1669 | 23.86 | 153 | 2.19 | 59 | 0.84 | 906 | 12.95 |
| MAR-2016 | 2268 | 32.40 | 1905 | 27.21 | 1708 | 24.40 | 155 | 2.21 | 61 | 0.87 | 904 | 12.91 |
| APR-2016 | 2248 | 32.01 | 1895 | 26.98 | 1758 | 25.03 | 154 | 2.19 | 57 | 0.81 | 911 | 12.97 |
| MAY-2016 | 2263 | 32.08 | 1887 | 26.75 | 1783 | 25.28 | 157 | 2.23 | 55 | 0.78 | 909 | 12.89 |
| JUN-2016 | 2264 | 32.00 | 1877 | 26.53 | 1815 | 25.65 | 152 | 2.15 | 57 | 0.81 | 910 | 12.86 |
| JUL-2016 | 2233 | 31.58 | 1867 | 26.41 | 1853 | 26.21 | 151 | 2.14 | 57 | 0.81 | 909 | 12.86 |
| AUG-2016 | 2216 | 31.31 | 1839 | 25.98 | 1916 | 27.07 | 143 | 2.02 | 55 | 0.78 | 909 | 12.84 |

Definitions:

n is number of participants on the specified regimen class in the specified month

% is ratio of n and total number of participants on ART in the specified month





2.11 Baseline CD4 for Antiretroviral First Starts

| MON-YYYY | # of First Starts | # of Pts with CD4 < 100 | # of Pts with CD4: 100-199 | # of Pts with CD4: 200-349 | # of Pts with CD4: 350-500 | # of Pts with CD4 > 500 | Median CD4 |
|----------|-------------------|-------------------------|----------------------------|----------------------------|----------------------------|-------------------------|------------|
| JAN-2015 | 24 | 2 | 2 | 8 | 3 | 9 | 370 |
| FEB-2015 | 36 | 3 | 3 | 9 | 3 | 16 | 469 |
| MAR-2015 | 29 | 2 | 5 | 5 | 8 | 7 | 386 |
| APR-2015 | 28 | 8 | 3 | 4 | 3 | 10 | 335 |
| MAY-2015 | 33 | 4 | 6 | 9 | 5 | 8 | 290 |
| JUN-2015 | 36 | 6 | 2 | 8 | 8 | 11 | 370 |
| JUL-2015 | 25 | 6 | 2 | 2 | 6 | 7 | 380 |
| AUG-2015 | 19 | 2 | 3 | 4 | 2 | 7 | 400 |
| SEP-2015 | 32 | 7 | 1 | 5 | 2 | 15 | 505 |
| OCT-2015 | 24 | 4 | 2 | 3 | 4 | 9 | 450 |
| NOV-2015 | 29 | 5 | 1 | 6 | 5 | 10 | 370 |
| DEC-2015 | 22 | 2 | 3 | 4 | 5 | 7 | 370 |
| JAN-2016 | 16 | 2 | 3 | 0 | 5 | 3 | 380 |
| FEB-2016 | 18 | 4 | 0 | 6 | 3 | 5 | 331 |
| MAR-2016 | 24 | 4 | 3 | 4 | 8 | 5 | 365 |
| APR-2016 | 21 | 2 | 1 | 2 | 2 | 10 | 600 |
| MAY-2016 | 24 | 2 | 1 | 3 | 4 | 14 | 514 |
| JUN-2016 | 34 | 5 | 5 | 6 | 10 | 8 | 380 |
| JUL-2016 | 26 | 2 | 6 | 6 | 3 | 8 | 320 |
| AUG-2016 | 41 | 2 | 7 | 6 | 12 | 14 | 410 |

Definitions:

First Starts defined as starting ARV treatment in the specified month for the first time (ARV naive)

Baseline CD4 is defined as most recent CD4 test before ARV start





2.12 DTP Participants with PVL Measurement within previous five years, and never on ART

| MON-YYYY | # of Participants with PVL test | # of Participants with PVL test, and never on ART |
|----------|---------------------------------|---|
| JAN-2015 | 10390 | 2658 |
| FEB-2015 | 10436 | 2665 |
| MAR-2015 | 10475 | 2674 |
| APR-2015 | 10495 | 2686 |
| MAY-2015 | 10549 | 2710 |
| JUN-2015 | 10635 | 2757 |
| JUL-2015 | 10704 | 2805 |
| AUG-2015 | 10770 | 2861 |
| SEP-2015 | 10855 | 2916 |
| OCT-2015 | 10907 | 2956 |
| NOV-2015 | 10970 | 2996 |
| DEC-2015 | 11016 | 3023 |
| JAN-2016 | 11051 | 3054 |
| FEB-2016 | 11145 | 3136 |
| MAR-2016 | 11205 | 3184 |
| APR-2016 | 11251 | 3217 |
| MAY-2016 | 11312 | 3266 |
| JUN-2016 | 11368 | 3297 |
| JUL-2016 | 11413 | 3331 |
| AUG-2016 | 11465 | 3340 |

Definitions:

Patients with PVL test are defined as having at least one PVL test within previous five years, and not reported deceased/moved

Never on ART are subset of patients with PVL test, and not being treated with ARVs on or before specified month

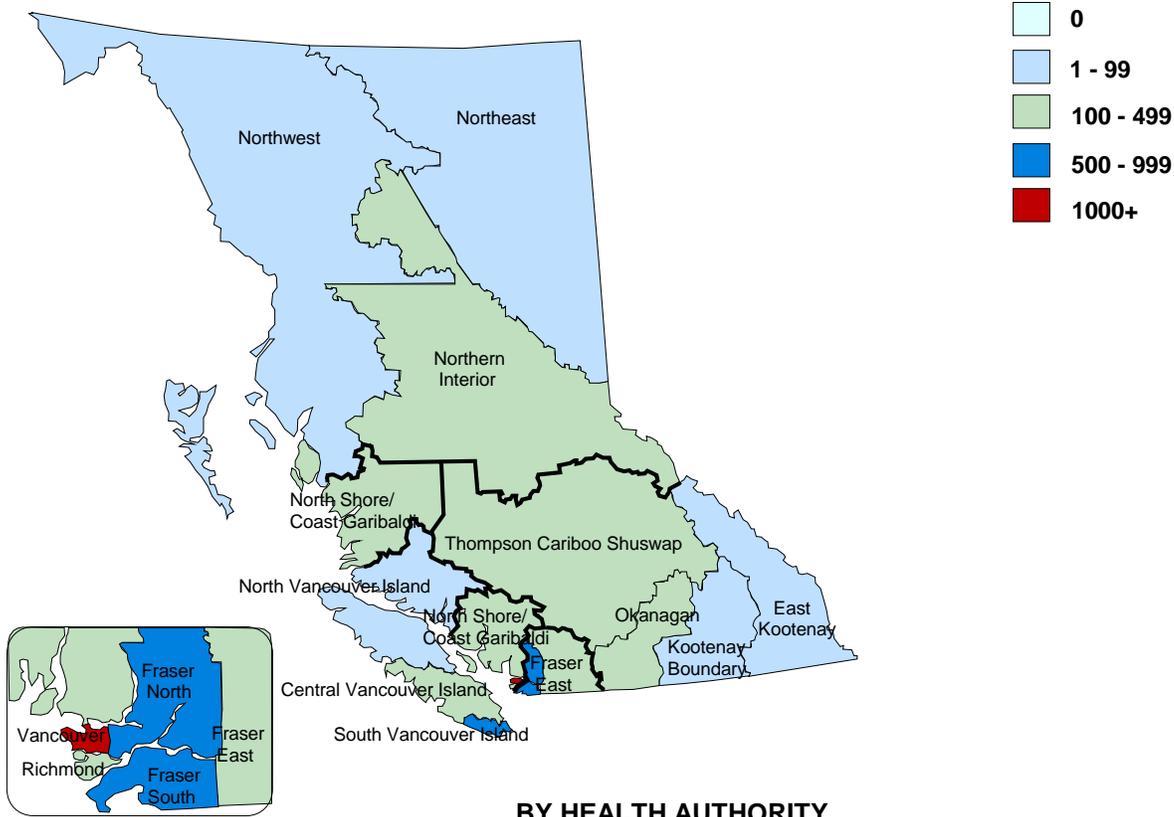




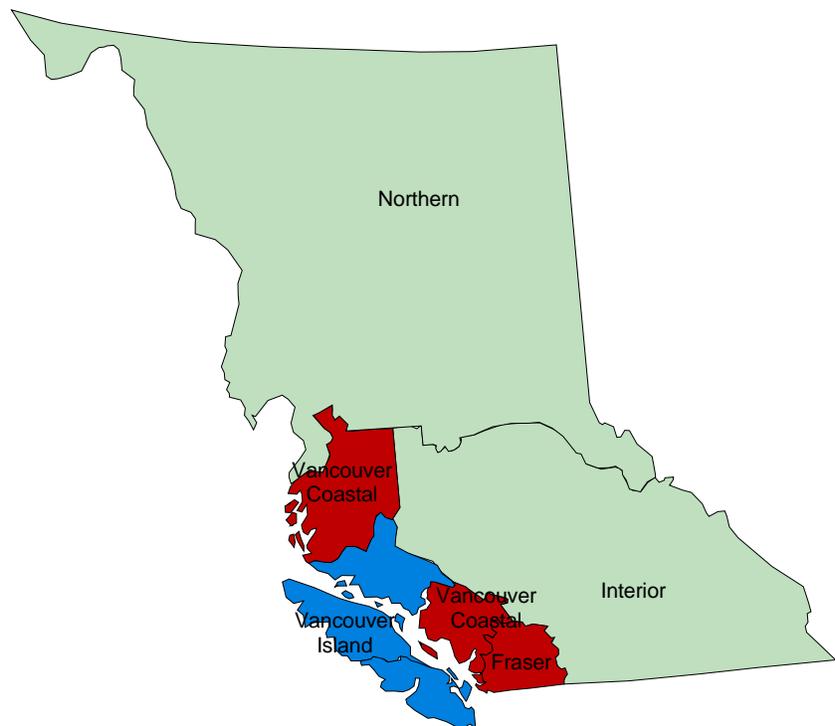
3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants
August 2016

N = 7078

BY HEALTH SERVICES DELIVERY AREA



BY HEALTH AUTHORITY

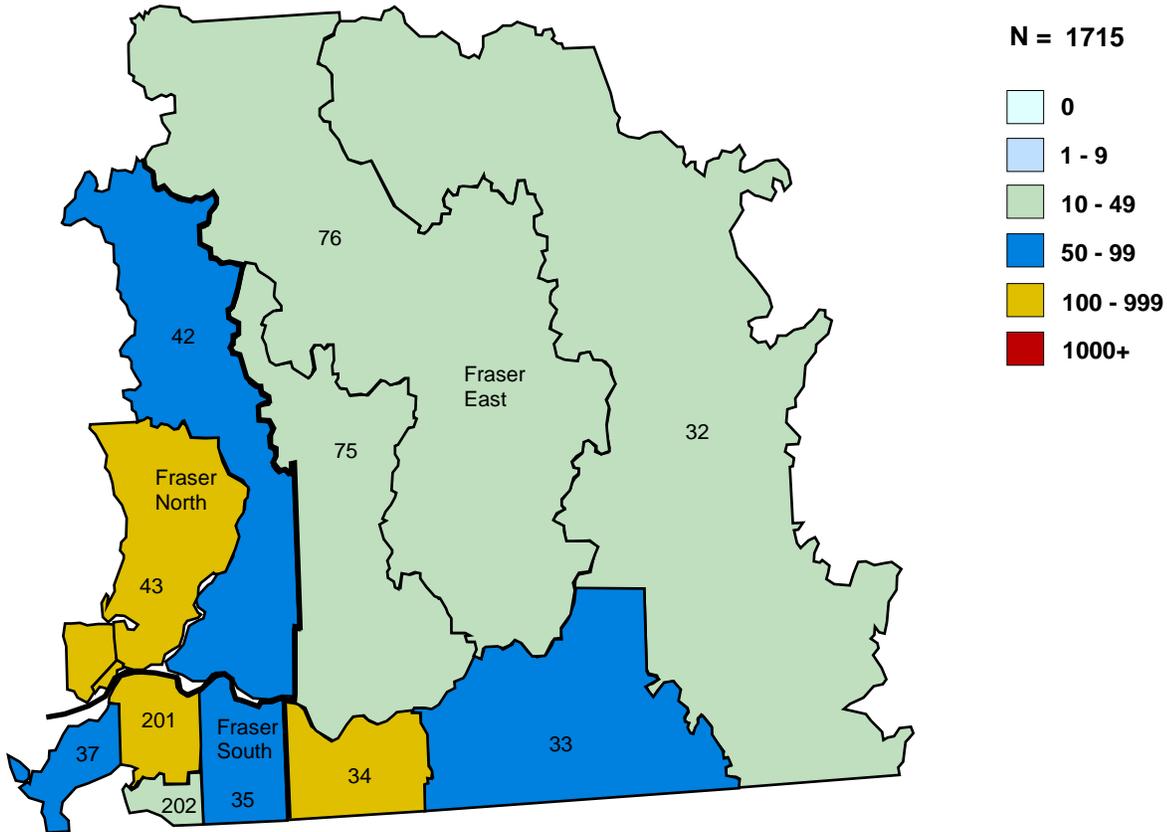




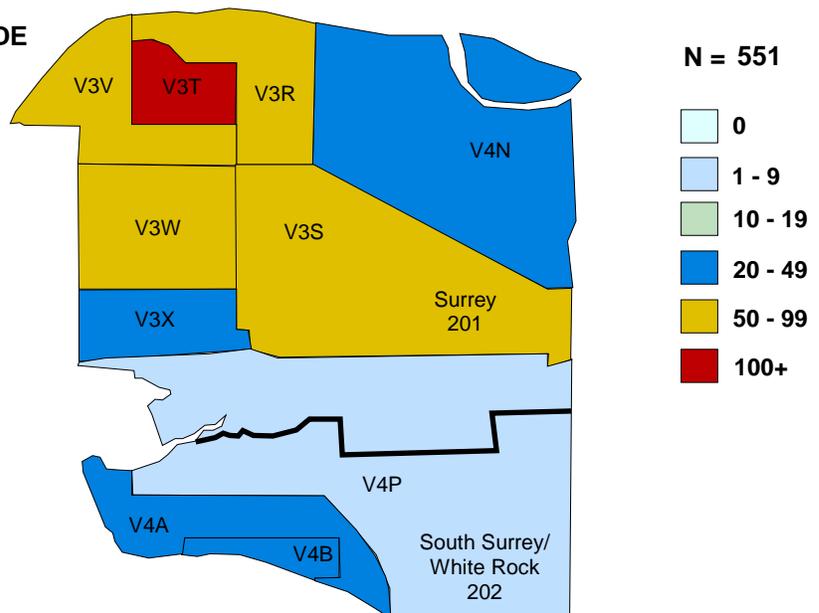
3.3 Distribution of HIV/AIDS Drug Treatment Program Active Participants

August 2016

FRASER HEALTH AUTHORITY BY HEALTH SERVICES DELIVERY AREA/LOCAL HEALTH AREA



SURREY BY POSTAL CODE

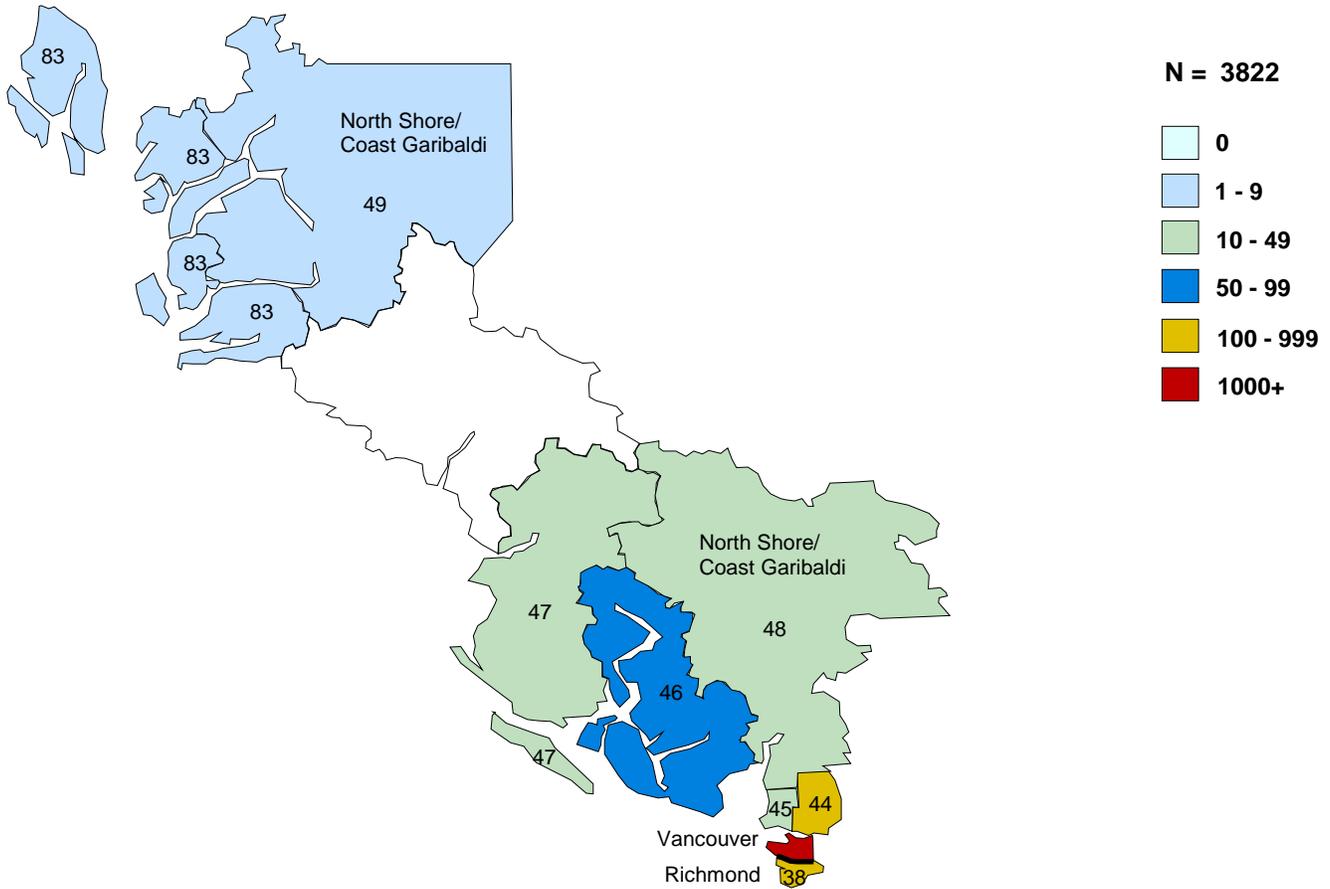




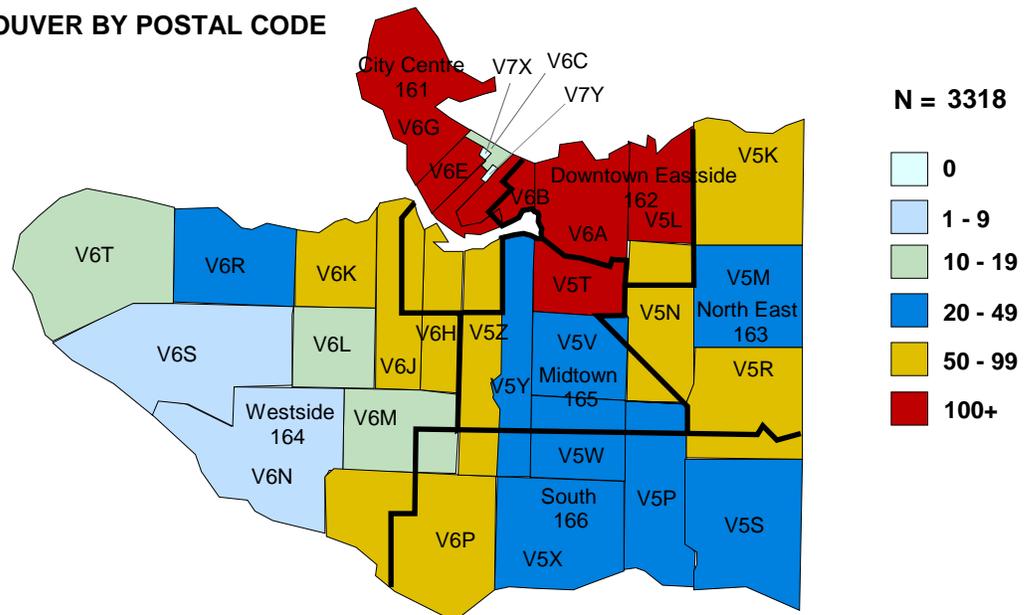
3.4 Distribution of HIV/AIDS Drug Treatment Program Active Participants

August 2016

VANCOUVER COASTAL HEALTH AUTHORITY BY HEALTH SERVICES DELIVERY AREA/LOCAL HEALTH AREA



VANCOUVER BY POSTAL CODE

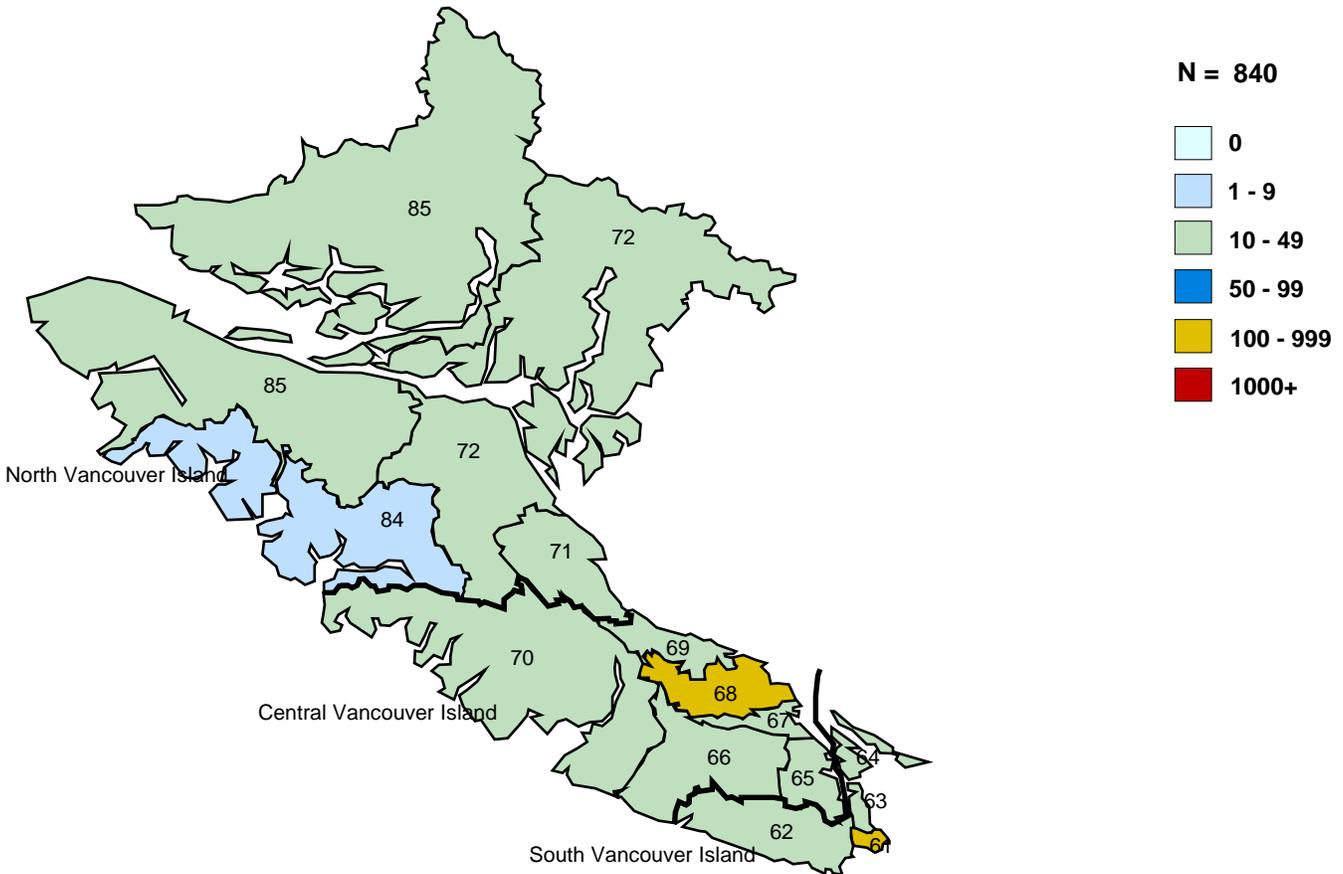




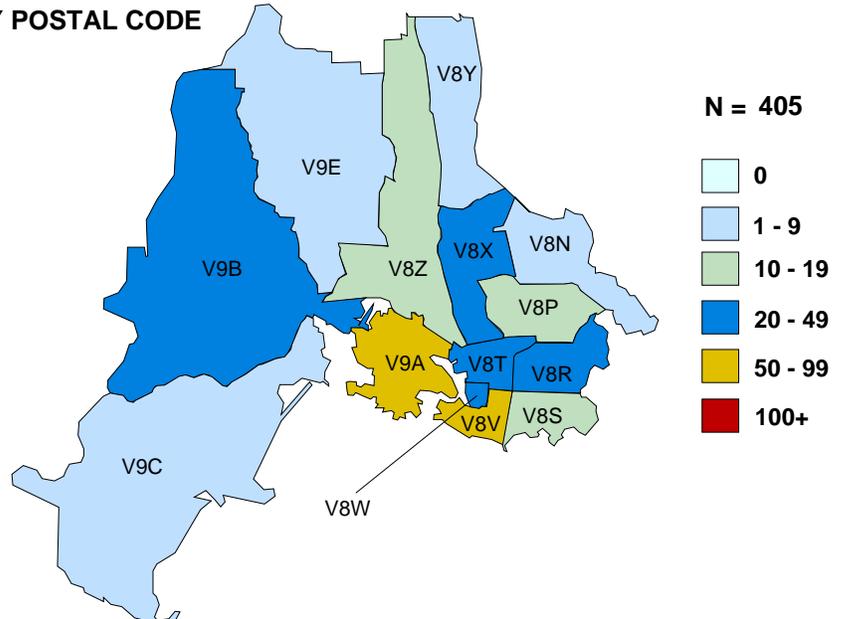
3.5 Distribution of HIV/AIDS Drug Treatment Program Active Participants

August 2016

VANCOUVER ISLAND HEALTH AUTHORITY BY HEALTH SERVICES DELIVERY AREA/LOCAL HEALTH AREA



VICTORIA BY POSTAL CODE

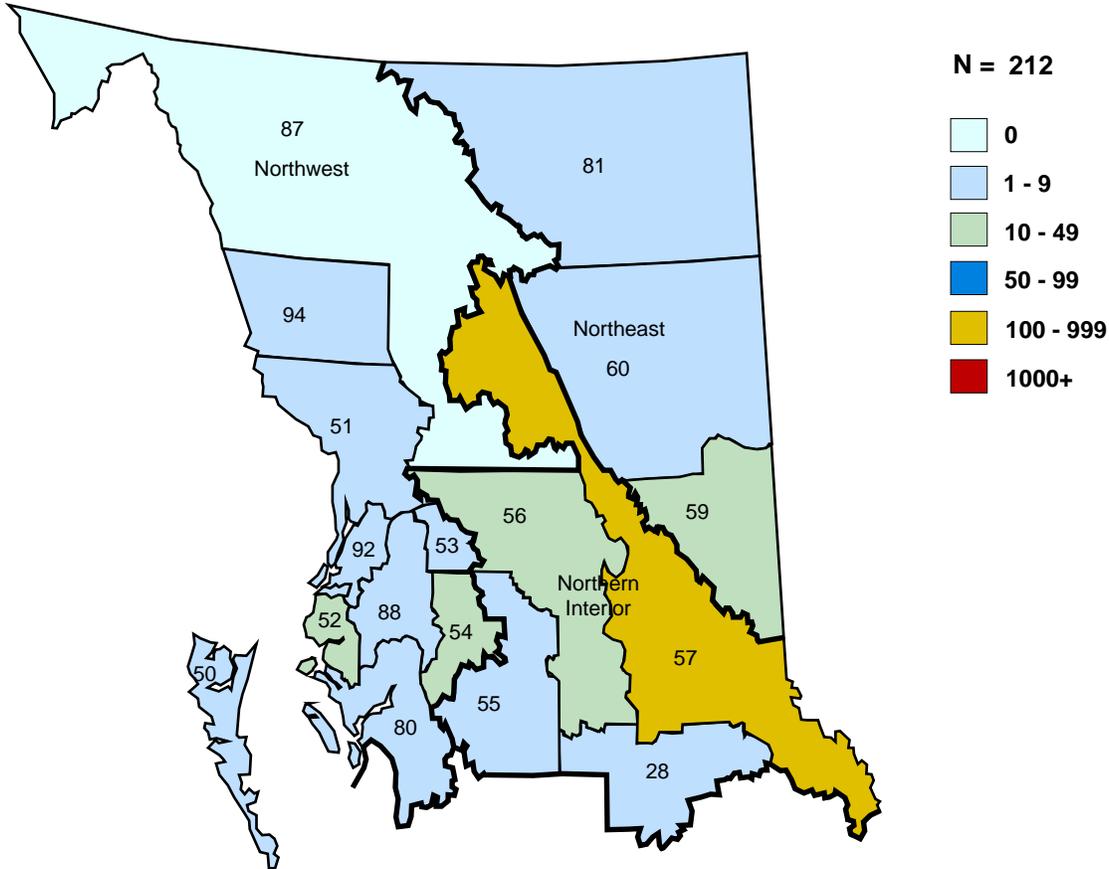




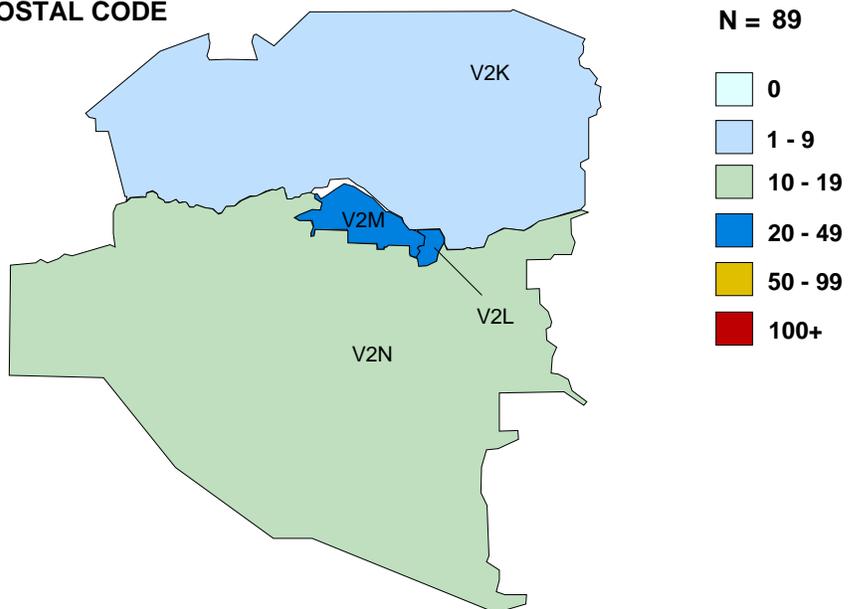
3.6 Distribution of HIV/AIDS Drug Treatment Program Active Participants

August 2016

NORTHERN HEALTH AUTHORITY BY HEALTH SERVICES DELIVERY AREA/LOCAL HEALTH AREA



PRINCE GEORGE BY POSTAL CODE





4.1 Distribution of Participants in BC-CfE Registries by Age and Gender INTERIOR Health Authority

| HSDA | Age Group | Alive | Ever treated with ARVs | Currently treated with ARVs |
|------------------------------|--------------------|------------|------------------------|-----------------------------|
| EAST KOOTENAY | 20-34 | * | * | * |
| | 35-49 | * | * | * |
| | 50+ | * | * | * |
| | Total HSDA: | 34 | 47 | 21 |
| KOOTENAY BOUNDARY | 0-19 | * | * | * |
| | 20-34 | * | * | * |
| | 35-49 | * | * | * |
| | 50+ | * | * | * |
| Total HSDA: | 71 | 92 | 51 | |
| OKANAGAN | 0-19 | * | * | * |
| | 20-34 | * | * | * |
| | 35-49 | * | * | * |
| | 50+ | * | * | * |
| Total HSDA: | 329 | 433 | 249 | |
| THOMPSON/CARIBOO/ SHUSWAP | 0-19 | 5 | 5 | 0 |
| | 20-34 | 20 | 20 | 15 |
| | 35-49 | 61 | 68 | 45 |
| | 50+ | 96 | 144 | 77 |
| Total HSDA: | 182 | 237 | 137 | |
| Total HA: | | 616 | 809 | 458 |

| | Age Group | Alive | Ever treated with ARVs | Currently treated with ARVs |
|------------------|-----------|------------|------------------------|-----------------------------|
| | 0-19 | 9 | 9 | * |
| | 20-34 | 51 | 52 | * |
| | 35-49 | 179 | 206 | * |
| | 50+ | 377 | 542 | * |
| Total HA: | | 616 | 809 | 458 |

| Gender | Alive | Ever treated with ARVs | Currently treated with ARVs |
|--------|-------|------------------------|-----------------------------|
| Male | 481 | 643 | 364 |
| Female | 135 | 166 | 94 |

| Currently treated with ARVs | # of patients | Med Age | Med CD4 | Med PVL |
|-----------------------------|---------------|---------|---------|---------|
| Total HA: | 458 | 53 | 560 | 35 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Med CD4 and PVL tests defined as most recent tests (as of specified month)





4.2 Distribution of Participants in BC-CfE Registries by Treatment Duration INTERIOR Health Authority

| HSDA | Treatment Duration | Alive | Currently treated with ARVs |
|------------------------------|--------------------|------------|-----------------------------|
| EAST KOOTENAY | 10 years or more | 17 | 10 |
| | 5 years or more | 6 | 5 |
| | <5 years | 11 | 6 |
| | Total HSDA: | 34 | 21 |
| KOOTENAY BOUNDARY | 10 years or more | 36 | 25 |
| | 5 years or more | 21 | 16 |
| | <5 years | 14 | 10 |
| | Total HSDA: | 71 | 51 |
| OKANAGAN | 10 years or more | 175 | 124 |
| | 5 years or more | 73 | 57 |
| | <5 years | 81 | 68 |
| | Total HSDA: | 329 | 249 |
| THOMPSON/CARIBOO/ SHUSWAP | 10 years or more | 89 | 59 |
| | 5 years or more | 43 | 35 |
| | <5 years | 50 | 43 |
| | Total HSDA: | 182 | 137 |
| Total HA: | | 616 | 458 |

| | Treatment Duration | Alive | Currently treated with ARVs |
|------------------|--------------------|------------|-----------------------------|
| | 10 years or more | 317 | 218 |
| | 5 years or more | 143 | 113 |
| | <5 years | 156 | 127 |
| Total HA: | | 616 | 458 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Treatment Duration defined as number of years since ARV initiation





4.3 Distribution of ARV Prescribing Physicians in BC-CfE Registries INTERIOR Health Authority

| HSDA of Physician Residency | # of Physicians ever prescribed ARVs | # of Patients ever treated by Physicians | # of Physicians currently prescribing ARVs | # of Patients currently treated by Physicians |
|-----------------------------|--------------------------------------|--|--|---|
| EAST KOOTENAY | 36 | 52 | 12 | 21 |
| KOOTENAY BOUNDARY | 63 | 112 | 24 | 41 |
| OKANAGAN | 196 | 682 | 62 | 248 |
| THOMPSON/CARIBOO/SHUSWAP | 126 | 422 | 37 | 109 |
| Total: | 421 | 1268 | 135 | 419 |

| HSDA of Patient Residency | # of Patients seeking Physician's care out of HA |
|---------------------------|--|
| EAST KOOTENAY | 0 |
| KOOTENAY BOUNDARY | 14 |
| OKANAGAN | 40 |
| THOMPSON/CARIBOO/SHUSWAP | 39 |
| Total: | 93 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently prescribing/treated defined as prescribing/being treated in the previous 6 months

of Patients seeking Physician out of HA is defined as patients residing in specified HSDA, but their follow-up physician(s) reside in another HA





4.4 Distribution of Participants in BC-CfE Registries by Age and Gender FRASER Health Authority

| HSDA | Age Group | Alive | Ever treated with ARVs | Currently treated with ARVs |
|------------------|--------------------|-------------|------------------------|-----------------------------|
| FRASER EAST | 0-19 | 7 | 7 | 6 |
| | 20-34 | 27 | 28 | 23 |
| | 35-49 | 105 | 116 | 78 |
| | 50+ | 181 | 244 | 146 |
| | Total HSDA: | 320 | 395 | 253 |
| FRASER NORTH | 0-19 | 18 | 18 | 5 |
| | 20-34 | 101 | 102 | 80 |
| | 35-49 | 357 | 407 | 258 |
| | 50+ | 474 | 738 | 392 |
| | Total HSDA: | 950 | 1265 | 735 |
| FRASER SOUTH | 0-19 | 10 | 10 | 7 |
| | 20-34 | 100 | 102 | 73 |
| | 35-49 | 358 | 410 | 289 |
| | 50+ | 428 | 635 | 358 |
| | Total HSDA: | 896 | 1157 | 727 |
| Total HA: | | 2166 | 2817 | 1715 |

| | Age Group | Alive | Ever treated with ARVs | Currently treated with ARVs |
|------------------|-----------|-------------|------------------------|-----------------------------|
| | 0-19 | 35 | 35 | 18 |
| | 20-34 | 228 | 232 | 176 |
| | 35-49 | 820 | 933 | 625 |
| | 50+ | 1083 | 1617 | 896 |
| Total HA: | | 2166 | 2817 | 1715 |

| Gender | Alive | Ever treated with ARVs | Currently treated with ARVs |
|--------|-------|------------------------|-----------------------------|
| Male | 1644 | 2167 | 1330 |
| Female | 522 | 650 | 385 |

| Currently treated with ARVs | # of patients | Med Age | Med CD4 | Med PVL |
|-----------------------------|---------------|---------|---------|---------|
| Total HA: | 1715 | 50 | 610 | 35 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Med CD4 and PVL tests defined as most recent tests (as of specified month)





**4.5 Distribution of Participants in BC-CfE Registries by Treatment Duration
FRASER Health Authority**

| HSDA | Treatment Duration | Alive | Currently treated with ARVs |
|------------------|--------------------|-------------|-----------------------------|
| FRASER EAST | 10 years or more | 153 | 112 |
| | 5 years or more | 93 | 80 |
| | <5 years | 74 | 61 |
| | Total HSDA: | 320 | 253 |
| FRASER NORTH | 10 years or more | 461 | 338 |
| | 5 years or more | 249 | 201 |
| | <5 years | 240 | 196 |
| | Total HSDA: | 950 | 735 |
| FRASER SOUTH | 10 years or more | 417 | 329 |
| | 5 years or more | 247 | 199 |
| | <5 years | 232 | 199 |
| | Total HSDA: | 896 | 727 |
| Total HA: | | 2166 | 1715 |

| | Treatment Duration | Alive | Currently treated with ARVs |
|------------------|--------------------|-------------|-----------------------------|
| | 10 years or more | 1031 | 779 |
| | 5 years or more | 589 | 480 |
| | <5 years | 546 | 456 |
| Total HA: | | 2166 | 1715 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Treatment Duration defined as number of years since ARV initiation





4.6 Distribution of ARV Prescribing Physicians in BC-CfE Registries FRASER Health Authority

| HSDA of Physician Residency | # of Physicians ever prescribed ARVs | # of Patients ever treated by Physicians | # of Physicians currently prescribing ARVs | # of Patients currently treated by Physicians |
|-----------------------------|--------------------------------------|--|--|---|
| FRASER EAST | 127 | 409 | 40 | 78 |
| FRASER NORTH | 231 | 1422 | 65 | 262 |
| FRASER SOUTH | 201 | 1192 | 42 | 338 |
| Total: | 559 | 3023 | 147 | 678 |

| HSDA of Patient Residency | # of Patients seeking Physician's care out of HA |
|---------------------------|--|
| FRASER EAST | 182 |
| FRASER NORTH | 617 |
| FRASER SOUTH | 495 |
| Total: | 1294 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently prescribing/treated defined as prescribing/being treated in the previous 6 months

of Patients seeking Physician out of HA is defined as patients residing in specified HSDA, but their follow-up physician(s) reside in another HA





**4.7 Distribution of Participants in BC-CfE Registries by Age and Gender
VANCOUVER COASTAL Health Authority**

| HSDA | Age Group | Alive | Ever treated with ARVs | Currently treated with ARVs |
|---------------------------------|--------------------|-------------|------------------------|-----------------------------|
| NORTH SHORE/ COAST GARIBALDI | 0-19 | * | * | 0 |
| | 20-34 | * | * | 19 |
| | 35-49 | * | * | 75 |
| | 50+ | * | * | 182 |
| | Total HSDA: | | 318 | 453 |
| RICHMOND | 0-19 | 5 | 5 | * |
| | 20-34 | 26 | 27 | * |
| | 35-49 | 44 | 47 | * |
| | 50+ | 80 | 120 | * |
| | Total HSDA: | | 155 | 199 |
| VANCOUVER | 0-19 | 53 | 56 | 7 |
| | 20-34 | 410 | 418 | 324 |
| | 35-49 | 1551 | 1784 | 1141 |
| | 50+ | 2497 | 4156 | 1944 |
| | Total HSDA: | | 4511 | 6414 |
| Total HA: | | 4984 | 7066 | 3822 |

| | Age Group | Alive | Ever treated with ARVs | Currently treated with ARVs |
|------------------|-----------|-------------|------------------------|-----------------------------|
| | 0-19 | 60 | 63 | 8 |
| | 20-34 | 456 | 465 | 366 |
| | 35-49 | 1684 | 1934 | 1254 |
| | 50+ | 2784 | 4604 | 2194 |
| Total HA: | | 4984 | 7066 | 3822 |

| Gender | Alive | Ever treated with ARVs | Currently treated with ARVs |
|--------|-------|------------------------|-----------------------------|
| | 2 | 2 | 0 |
| Male | 4378 | 6209 | 3368 |
| Female | 604 | 855 | 454 |

| Currently treated with ARVs | # of patients | Med Age | Med CD4 | Med PVL |
|-----------------------------|---------------|---------|---------|---------|
| Total HA: | 3822 | 51 | 620 | 35 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Med CD4 and PVL tests defined as most recent tests (as of specified month)





**4.8 Distribution of Participants in BC-CfE Registries by Treatment Duration
VANCOUVER COASTAL Health Authority**

| HSDA | Treatment Duration | Alive | Currently treated with ARVs |
|---------------------------------|--------------------|-------------|-----------------------------|
| NORTH SHORE/ COAST GARIBALDI | 10 years or more | 170 | 140 |
| | 5 years or more | 61 | 56 |
| | <5 years | 87 | 80 |
| | Total HSDA: | 318 | 276 |
| RICHMOND | 10 years or more | 69 | 53 |
| | 5 years or more | 41 | 35 |
| | <5 years | 45 | 42 |
| | Total HSDA: | 155 | 130 |
| VANCOUVER | 10 years or more | 2311 | 1648 |
| | 5 years or more | 1184 | 916 |
| | <5 years | 1016 | 852 |
| | Never on ART | 0 | 0 |
| | Total HSDA: | 4511 | 3416 |
| Total HA: | 4984 | 3822 | |

| | Treatment Duration | Alive | Currently treated with ARVs |
|------------------|--------------------|-------------|-----------------------------|
| | 10 years or more | 2550 | 1841 |
| | 5 years or more | 1286 | 1007 |
| | <5 years | 1148 | 974 |
| | Never on ART | 0 | 0 |
| Total HA: | | 4984 | 3822 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Treatment Duration defined as number of years since ARV initiation





**4.9 Distribution of ARV Prescribing Physicians in BC-CfE Registries
VANCOUVER COASTAL Health Authority**

| HSDA of Physician Residency | # of Physicians ever prescribed ARVs | # of Patients ever treated by Physicians | # of Physicians currently prescribing ARVs | # of Patients currently treated by Physicians |
|-----------------------------|--------------------------------------|--|--|---|
| NORTH SHORE/COAST GARIBALDI | 142 | 369 | 53 | 93 |
| RICHMOND | 42 | 265 | 14 | 95 |
| VANCOUVER | 543 | 9964 | 205 | 5309 |
| Total: | 727 | 10598 | 272 | 5497 |

| HSDA of Patient Residency | # of Patients seeking Physician's care out of HA |
|-----------------------------|--|
| NORTH SHORE/COAST GARIBALDI | * |
| RICHMOND | * |
| VANCOUVER | * |
| Total: | 103 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently prescribing/treated defined as prescribing/being treated in the previous 6 months

of Patients seeking Physician out of HA is defined as patients residing in specified HSDA, but their follow-up physician(s) reside in another HA





**4.10 Distribution of Participants in BC-CfE Registries by Age and Gender
VANCOUVER ISLAND Health Authority**

| HSDA | Age Group | Alive | Ever treated with ARVs | Currently treated with ARVs |
|--------------------------|--------------------|-------------|------------------------|-----------------------------|
| CENTRAL VANCOUVER ISLAND | 0-19 | * | * | * |
| | 20-34 | * | * | * |
| | 35-49 | * | * | * |
| | 50+ | * | * | * |
| | Total HSDA: | | 285 | 397 |
| NORTH VANCOUVER ISLAND | 0-19 | * | * | * |
| | 20-34 | * | * | * |
| | 35-49 | * | * | * |
| | 50+ | * | * | * |
| | Total HSDA: | | 107 | 142 |
| SOUTH VANCOUVER ISLAND | 0-19 | 7 | 7 | * |
| | 20-34 | 53 | 55 | * |
| | 35-49 | 209 | 244 | * |
| | 50+ | 400 | 624 | * |
| | Total HSDA: | | 669 | 930 |
| Total HA: | | 1061 | 1469 | 840 |

| | Age Group | Alive | Ever treated with ARVs | Currently treated with ARVs |
|------------------|-----------|-------------|------------------------|-----------------------------|
| | 0-19 | 11 | 11 | 5 |
| | 20-34 | 87 | 92 | 63 |
| | 35-49 | 332 | 382 | 265 |
| | 50+ | 631 | 984 | 507 |
| Total HA: | | 1061 | 1469 | 840 |

| Gender | Alive | Ever treated with ARVs | Currently treated with ARVs |
|--------|-------|------------------------|-----------------------------|
| Male | 854 | 1186 | 684 |
| Female | 207 | 283 | 156 |

| Currently treated with ARVs | # of patients | Med Age | Med CD4 | Med PVL |
|-----------------------------|---------------|---------|---------|---------|
| Total HA: | 840 | 52 | 480 | 35 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Med CD4 and PVL tests defined as most recent tests (as of specified month)





4.11 Distribution of Participants in BC-CfE Registries by Treatment Duration VANCOUVER ISLAND Health Authority

| HSDA | Treatment Duration | Alive | Currently treated with ARVs |
|--------------------------|--------------------|-------------|-----------------------------|
| CENTRAL VANCOUVER ISLAND | 10 years or more | 139 | 112 |
| | 5 years or more | 64 | 54 |
| | <5 years | 82 | 67 |
| | Total HSDA: | 285 | 233 |
| NORTH VANCOUVER ISLAND | 10 years or more | 50 | 40 |
| | 5 years or more | 27 | 23 |
| | <5 years | 30 | 23 |
| | Total HSDA: | 107 | 86 |
| SOUTH VANCOUVER ISLAND | 10 years or more | 337 | 239 |
| | 5 years or more | 171 | 142 |
| | <5 years | 161 | 140 |
| | Total HSDA: | 669 | 521 |
| Total HA: | | 1061 | 840 |

| | Treatment Duration | Alive | Currently treated with ARVs |
|------------------|--------------------|-------------|-----------------------------|
| | 10 years or more | 526 | 391 |
| | 5 years or more | 262 | 219 |
| | <5 years | 273 | 230 |
| Total HA: | | 1061 | 840 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Treatment Duration defined as number of years since ARV initiation





**4.12 Distribution of ARV Prescribing Physicians in BC-CfE Registries
VANCOUVER ISLAND Health Authority**

| HSDA of Physician Residency | # of Physicians ever prescribed ARVs | # of Patients ever treated by Physicians | # of Physicians currently prescribing ARVs | # of Patients currently treated by Physicians |
|-----------------------------|--------------------------------------|--|--|---|
| CENTRAL VANCOUVER ISLAND | 175 | 747 | 82 | 202 |
| NORTH VANCOUVER ISLAND | 119 | 236 | 43 | 66 |
| SOUTH VANCOUVER ISLAND | 185 | 1561 | 50 | 531 |
| Total: | 479 | 2544 | 175 | 799 |

| HSDA of Patient Residency | # of Patients seeking Physician's care out of HA |
|---------------------------|--|
| CENTRAL VANCOUVER ISLAND | 50 |
| NORTH VANCOUVER ISLAND | 32 |
| SOUTH VANCOUVER ISLAND | 93 |
| Total: | 175 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently prescribing/treated defined as prescribing/being treated in the previous 6 months

of Patients seeking Physician out of HA is defined as patients residing in specified HSDA, but their follow-up physician(s) reside in another HA





4.13 Distribution of Participants in BC-CfE Registries by Age and Gender NORTHERN Health Authority

| HSDA | Age Group | Alive | Ever treated with ARVs | Currently treated with ARVs |
|-------------------|--------------------|------------|------------------------|-----------------------------|
| NORTH EAST | 0-19 | * | * | * |
| | 20-34 | * | * | * |
| | 35-49 | * | * | * |
| | 50+ | * | * | * |
| | Total HSDA: | | 40 | 48 |
| NORTH WEST | 0-19 | * | * | 0 |
| | 20-34 | * | * | 6 |
| | 35-49 | * | * | 22 |
| | 50+ | * | * | 21 |
| | Total HSDA: | | 69 | 101 |
| NORTHERN INTERIOR | 0-19 | 7 | 7 | * |
| | 20-34 | 25 | 27 | * |
| | 35-49 | 80 | 98 | * |
| | 50+ | 75 | 123 | * |
| | Total HSDA: | | 187 | 255 |
| Total HA: | | 296 | 404 | 212 |

| | Age Group | Alive | Ever treated with ARVs | Currently treated with ARVs |
|------------------|-----------|------------|------------------------|-----------------------------|
| | 0-19 | 9 | 9 | * |
| | 20-34 | 36 | 43 | * |
| | 35-49 | 122 | 153 | * |
| | 50+ | 129 | 199 | * |
| Total HA: | | 296 | 404 | 212 |

| Gender | Alive | Ever treated with ARVs | Currently treated with ARVs |
|--------|-------|------------------------|-----------------------------|
| Male | 184 | 254 | 138 |
| Female | 112 | 150 | 74 |

| Currently treated with ARVs | # of patients | Med Age | Med CD4 | Med PVL |
|-----------------------------|---------------|---------|---------|---------|
| Total HA: | 212 | 48 | 560 | 35 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Med CD4 and PVL tests defined as most recent tests (as of specified month)





**4.14 Distribution of Participants in BC-CfE Registries by Treatment Duration
NORTHERN Health Authority**

| HSDA | Treatment Duration | Alive | Currently treated with ARVs |
|-------------------|--------------------|------------|-----------------------------|
| NORTH EAST | 10 years or more | 14 | 7 |
| | 5 years or more | 16 | 10 |
| | <5 years | 10 | 9 |
| | Total HSDA: | 40 | 26 |
| NORTH WEST | 10 years or more | 18 | 7 |
| | 5 years or more | 32 | 27 |
| | <5 years | 19 | 15 |
| | Total HSDA: | 69 | 49 |
| NORTHERN INTERIOR | 10 years or more | 57 | 34 |
| | 5 years or more | 53 | 45 |
| | <5 years | 77 | 58 |
| | Total HSDA: | 187 | 137 |
| Total HA: | | 296 | 212 |

| | Treatment Duration | Alive | Currently treated with ARVs |
|------------------|--------------------|------------|-----------------------------|
| | 10 years or more | 89 | 48 |
| | 5 years or more | 101 | 82 |
| | <5 years | 106 | 82 |
| Total HA: | | 296 | 212 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Treatment Duration defined as number of years since ARV initiation





**4.15 Distribution of ARV Prescribing Physicians in BC-CfE Registries
NORTHERN Health Authority**

| HSDA of Physician Residency | # of Physicians ever prescribed ARVs | # of Patients ever treated by Physicians | # of Physicians currently prescribing ARVs | # of Patients currently treated by Physicians |
|-----------------------------|--------------------------------------|--|--|---|
| NORTH EAST | 32 | 59 | 9 | 12 |
| NORTH WEST | 65 | 145 | 19 | 27 |
| NORTHERN INTERIOR | 102 | 402 | 22 | 184 |
| Total: | 199 | 606 | 50 | 223 |

| HSDA of Patient Residency | # of Patients seeking Physician's care out of HA |
|---------------------------|--|
| NORTH EAST | 6 |
| NORTH WEST | 15 |
| NORTHERN INTERIOR | 20 |
| Total: | 41 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently prescribing/treated defined as prescribing/being treated in the previous 6 months

of Patients seeking Physician out of HA is defined as patients residing in specified HSDA, but their follow-up physician(s) reside in another HA





4.16 Distribution of Aboriginal Participants in BC-CfE Registries by Health Service Delivery Area and Gender

| HA | HSDA | Alive | Ever treated with ARVs | Currently treated with ARVs |
|-------------------|-----------------------------|------------|------------------------|-----------------------------|
| INTERIOR | EAST KOOTENAY | * | 10 | * |
| | KOOTENAY BOUNDARY | * | 7 | * |
| | OKANAGAN | * | 29 | * |
| | THOMPSON/CARIBOO/SHUSWAP | * | 38 | * |
| | Total HA: | 48 | 84 | 35 |
| FRASER | FRASER EAST | 31 | 39 | 27 |
| | FRASER NORTH | 53 | 84 | 37 |
| | FRASER SOUTH | 72 | 100 | 60 |
| | Total HA: | 156 | 223 | 124 |
| VANCOUVER COASTAL | NORTH SHORE/COAST GARIBALDI | 23 | 43 | 19 |
| | RICHMOND | 7 | 12 | 6 |
| | VANCOUVER | 508 | 795 | 417 |
| | Total HA: | 538 | 850 | 442 |
| VANCOUVER ISLAND | CENTRAL VANCOUVER ISLAND | 53 | 78 | 43 |
| | NORTH VANCOUVER ISLAND | 12 | 21 | 10 |
| | SOUTH VANCOUVER ISLAND | 37 | 74 | 27 |
| | Total HA: | 102 | 173 | 80 |
| NORTHERN | NORTH EAST | 9 | 11 | 7 |
| | NORTH WEST | 35 | 58 | 28 |
| | NORTHERN INTERIOR | 65 | 97 | 53 |
| | Total HA: | 109 | 166 | 88 |
| Total: | | 953 | 1496 | 769 |

| Gender | Alive | Ever treated with ARVs | Currently treated with ARVs |
|--------|-------|------------------------|-----------------------------|
| Male | 595 | 956 | 473 |
| Female | 358 | 540 | 296 |

| Currently treated with ARVs | # of patients | Med Age | Med CD4 | Med PVL |
|-----------------------------|---------------|---------|---------|---------|
| Total: | 769 | 49 | 480 | 35 |

* Patients numbers > 0 and < 5 are suppressed for privacy purposes.

Definitions:

Currently treated with ARVs defined as being on ARV therapy in the specified month

Med CD4 and PVL tests defined as most recent tests (as of specified month)





5.1 Drug Names and Definitions

Abacavir (Ziagen, ABC): a NUCLEOSIDE ANALOG from ViiV Healthcare.

Active: persons in the HIV/AIDS Drug Treatment program that are prescribed one or more drugs in this current month

Amphotericin B (Fungilin): a drug used for treatment of candidiasis and other fungal infections.

Amprenavir (Agenerase, APV): a PROTEASE INHIBITOR from ViiV Healthcare. No longer marketed in Canada.

Antiretroviral (ARV): a substance that stops or suppresses the activity of a retrovirus, such as HIV. NUCLEOSIDE ANALOGS and PROTEASE INHIBITORS are examples of antiretroviral drugs.

Atazanavir (Reyataz, ATV): a PROTEASE INHIBITOR from Bristol-Myers Squibb.

Atovaquone (Mepron): a medication used to treat pneumocystis carinii pneumonia and, in some cases, toxoplasmosis.

Atripla (ATP): the Bristol-Myers Squibb and Gilead trade name for a tablet containing EFAVIRENZ, TENOFOVIR DF and EMTRICITABINE.

Azithromycin (Zithromax): an antibiotic used for the prevention of mycobacterium avium complex (MAC) in people with advanced HIV infection.

Boosted PI: a PI and a small (400 mg or less, total daily dose) additional dose or RITONAVIR. The addition of RITONAVIR inhibits metabolism of other PIs and improves their exposure. This may allow for decreased dosing frequency or pill burden and may improve adherence and antiretroviral activity.

CD4 Cell Count: the most commonly used marker for assessing the state of the immune system. As CD4 cell count declines, the risk of developing opportunistic infections increases. Normal CD4 cell counts are greater than 800 per cubic millimeter of blood.

Chemokine Receptor Inhibitor: a type of ENTRY INHIBITOR designed to prevent HIV entry by blocking the binding site of co-receptors, such as CCR5 or CXCR4.

Clarithromycin (Biaxin): an antibiotic used for the treatment of mycobacterium avium complex (MAC). It is also used for preventing MAC in those with advanced HIV infection.

Cobicstat: a pharmacokinetic enhancer (“booster”) given with other antiretrovirals to improve drug exposure. Cobicstat has no anti-HIV activity. It is currently available as a component of STRIBILD, GENVOYA and PREZCOBIX.

Combination Therapy: initial combination therapy for HIV contains at least three ANTIRETROVIRALS.

Combivir (CBV): the ViiV Healthcare trade name for a tablet containing both ZIDOVUDINE and LAMIVUDINE.

Complera (CPL): the Gilead trade name for a tablet containing EMTRICITABINE, RILPIVIRINE and TENOFOVIR DF.

Darunavir (Prezista, DRV): a PROTEASE INHIBITOR from Janssen that has activity against HIV in treatment-experienced patients.

Deceased: persons enrolled in the HIV/AIDS Drug Treatment program that died in this time period.

Delavirdine (Rescriptor, DLV): a NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR (NNRTI) from ViiV Healthcare.





Descovy (DSC): the Gilead trade name for a tablet containing EMTRICITABINE and TENOFOVIR AF.

Didanosine (Videx, DDI): a NUCLEOSIDE ANALOG from Bristol-Myers Squibb.

Dolutegravir (Tivicay, DTG): an INTEGRASE INHIBITOR from ViiV Healthcare.

Efavirenz (Sustiva, Auro efavirenz, EFV): a NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR (NNRTI) from Bristol-Myers Squibb.

Elvitegravir (EGV): an INTEGRASE INHIBITOR from Gilead Sciences. It is currently available as a component of STRIBILD.

Emtricitabine (FTC): a NUCLEOSIDE ANALOG from Gilead Sciences. It is currently available as a component of TRUVADA and other combinations.

Enfuvirtide (Fuzeon, T20): a FUSION INHIBITOR from Hoffman-La Roche that targets the gp41 protein on the surface of HIV. It is administered as a subcutaneous injection.

Entry Inhibitor: a drug that inhibits the entry of HIV into cells. Entry inhibitors include FUSION INHIBITORS, CHEMOKINE RECEPTOR INHIBITORS, and attachment inhibitors.

Etravirine (Intence, ETV): a NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR from Janssen that has activity against HIV in treatment-experienced patients.

Ethambutol (Myambutol): an antibiotic used in COMBINATION THERAPY for treatment of mycobacterial infections such as tuberculosis and mycobacterium avium complex (MAC).

First started program: a person prescribed their first regimen ever in the HIV/AIDS drug treatment program.

Fosamprenavir (Telzir, fAPV): a PROTEASE INHIBITOR from ViiV Healthcare. Fosamprenavir is a PRODRUG of AMPRENAVIR.

Fusion Inhibitor: a type of ENTRY INHIBITOR designed to prevent HIV from fusing with and thereby infecting CD4 cells.

Genvoya (GNV): the Gilead trade name for a tablet containing ELVITEGRAVIR, COBICSTAT, EMTRICITABINE and TENOFOVIR AF.

Granulocyte Colony Stimulating Factor (GCSF, Neupogen): a natural hormone that stimulates production of granulocytes, a type of white blood cell (leukocyte).

Health Authority: refers to the five (Interior, Fraser, Northern, Vancouver Coastal, Vancouver Island) health authorities created by the BC Ministry of Health.

Inactive: persons no longer dispensed drugs through the HIV/AIDS Drug Treatment program this current month.

Indinavir (Crixivan, IDV): a PROTEASE INHIBITOR from Merck.

Integrase Inhibitor: a drug that blocks integrase, a protein that HIV needs to enter cells and produce copies of itself, from working.

Kivexa (KIV): the ViiV Healthcare's trade name for a tablet containing both ABACAVIR and LAMIVUDINE.

Lamivudine (3TC): a NUCLEOSIDE ANALOG from ViiV Healthcare with activity against HIV and hepatitis B.

Lopinavir (Kaletra, LPV/r): a PROTEASE INHIBITOR from Abbott Laboratories. Kaletra is a combination of lopinavir and a low dose of RITONAVIR, a drug that improves blood levels of lopinavir.





Maraviroc (Celsentri, MVC): a CHEMOKINE RECEPTOR INHIBITOR from ViiV Healthcare that inhibits HIV entry by blocking the binding site of the CCR5 co-receptor.

Median (MED) age: median age of participants in the HIV/AIDS Drug Treatment program in that time period.

MDRT: see MULTIPLE DRUG RESCUE THERAPY

Moved out of BC: a person in the HIV/AIDS Drug Treatment program that is no longer in the program, because they moved out of BC in this time period.

Moxifloxacin: a fluoroquinolone antibiotic that is used for treatment of mycobacterium avium complex which is resistant to clarithromycin.

Multiple Drug Rescue Therapy (MDRT or Mega-HAART): the use of five or more antiretrovirals to treat HIV, typically some or all of which have been used previously by the individual.

Nelfinavir (Viracept, NFV): a PROTEASE INHIBITOR from ViiV Healthcare.

Net change: the net increase or decrease in persons enrolled in the HIV/AIDS Drug Treatment Program from the previous time period.

Nevirapine (Viramune, NVP): a NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR (NNRTI) from Boehringer Ingelheim.

NNRTI: see NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR.

NNRTI / no PI: a combination therapy regimen of four or fewer antiretroviral drugs, including an NNRTI, but no PIs.

Non-Nucleoside Reverse Transcriptase Inhibitor (NNRTI): a member of a class of compounds, including DELAVIRDINE, NEVIRAPINE, EFAVIRENZ and ETRAVIRINE that acts to directly combine with and block the action of HIV's reverse transcriptase enzyme.

NRTI: see NUCLEOSIDE ANALOG.

Nucleoside Analog (Nucleoside Analog Reverse Transcriptase Inhibitor, NRTI): a type of ANTIVIRAL drug whose structure constitutes a defective version of a natural nucleoside. Nucleoside analogs may take the place of the natural nucleosides, blocking the completion of a viral DNA chain during infection of a new cell by HIV. The HIV enzyme reverse transcriptase is more likely to incorporate nucleoside analogs into the DNA it is constructing than is the DNA polymerase that cells normally use for DNA construction.

Nucleotide Analog: ANTIVIRAL compounds that function exactly like NUCLEOSIDE ANALOGS but are pre-activated through the addition of a phosphate group during their synthesis. This phosphorylation is supposed to enhance the drug levels and activity achieved within cells.

Octreotide Acetate (Sandostatin): a drug used to treat chronic refractory diarrhea.

One or more PI: a combination therapy regimen of four or fewer antiretroviral drugs, including one unboosted PI or 2 or more PIs with or without a small (400 mg or less, total daily dose) additional dose of RITONAVIR.

Other: an antiretroviral regimen in the HIV/AIDS Drug Treatment program other than NNRTI/no PI, boosted PI, 1 or more PIs or MDRT-based regimens (eg. Triple Nucleoside regimens).

Paromomycin (Humatin): an antibiotic used to treat infections caused by intestinal parasites, including AIDS-related cryptosporidiosis.





Pentamidine: an antiprotozoal drug used in aerosol form as a preventative against pneumocystis carinii pneumonia (PCP).

PI: see PROTEASE INHIBITOR.

Prezcobix (PZC): the Janssen trade name for a tablet containing DARUNAVIR and COBICISTAT.

Prodrug: a compound that is converted within the body into the active form that has medical effects.

Protease Inhibitor: a drug that binds to and blocks HIV protease from working, thus preventing the production of new functional viral particles.

Raltegravir (RGV, Isentress): an INTEGRASE INHIBITOR from Merck.

Restarted/ changed therapy (Tx): a person in the HIV/AIDS Drug Treatment program that was either CURRENTLY OFF THERAPY and now has been prescribed a new regimen or a person who has changed regimens.

Rifabutin (Mycobutin): an oral drug used to prevent mycobacterium avium complex (MAC) in people with advanced HIV infection. Rifabutin is also used in combination with other drugs for the treatment of active MAC infections.

Rilpivirine (Edurant, RPV): a NON-NUCELOSIDE REVERSE TRANSCRIPTASE INHIBITOR (NNRTI) from Janssen.

Ritonavir (Norvir, RTV): a PROTEASE INHIBITOR from Abbott. Ritonavir is commonly used to inhibit the liver enzyme metabolism of other protease inhibitors and improve their blood exposure (“booster”).

Saquinavir (Invirase, SQV): a PROTEASE INHIBITOR from Hoffman-La Roche.

Stavudine (Zerit, d4T): a NUCLEOSIDE ANALOG from Bristol-Myers Squibb.

Stopped all therapies (Tx): a person in the HIV/AIDS Drug Treatment program that stopped all therapies in this time period and is now CURRENTLY OFF THERAPY.

Stribild (STR): the Gilead trade name for a tablet containing ELVITEGRAVIR, COBICISTAT, EMTRICITABINE and TENOFOVIR DF.

Tenofovir alafenamide (Tenofovir AF, TAF): a NUCLEOTIDE ANALOG from Gilead Sciences with activity against HIV. It is currently available as a component of DESCOVY and GENVOYA.

Tenofovir disoproxil fumarate (Viread, Tenofovir DF, TDF): a NUCLEOTIDE ANALOG from Gilead Sciences with activity against HIV and hepatitis B.

Tipranavir (Aptivus, TPV): a PROTEASE INHIBITOR from Boehringer Ingelheim that has activity against HIV in treatment-experienced patients.

Triple Therapy: the use of three drugs, most often a PROTEASE INHIBITOR or NON-NUCLEOSIDE ANALOG with two NUCLEOSIDE ANALOGS, in the treatment of HIV.

Triumeq (TRQ): the ViiV Healthcare’s trade name for a tablet containing DOLUTEGRAVIR, ABACAVIR and LAMIVUDINE.

Trizivir (TRZ): the ViiV Healthcare’s trade name for a tablet containing ABACAVIR, ZIDOVUDINE and LAMIVUDINE.

Truvada (TRU): the Gilead trade name for a tablet containing TENOFOVIR DF and EMTRICITABINE.

Valganciclovir: an antiviral drug used to treat cytomegalovirus (CMV) retinitis.





Viral Load: the amount of HIV RNA per unit of blood plasma. An indicator of virus concentration and reproduction rate. HIV viral load is employed as a measure of the success of antiretroviral therapy.

Zidovudine (Retrovir, AZT): a NUCLEOSIDE ANALOG from ViiV Healthcare. AZT is also approved for preventing maternal-fetal HIV transmission.

