



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS

B.C. HIV/AIDS Drug Treatment Program

Monthly Report

June 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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Funding for the BC Centre for Excellence in HIV/AIDS is provided through Pharmacare and the Provincial Health Services Authority (PHSA)



BRITISH COLUMBIA
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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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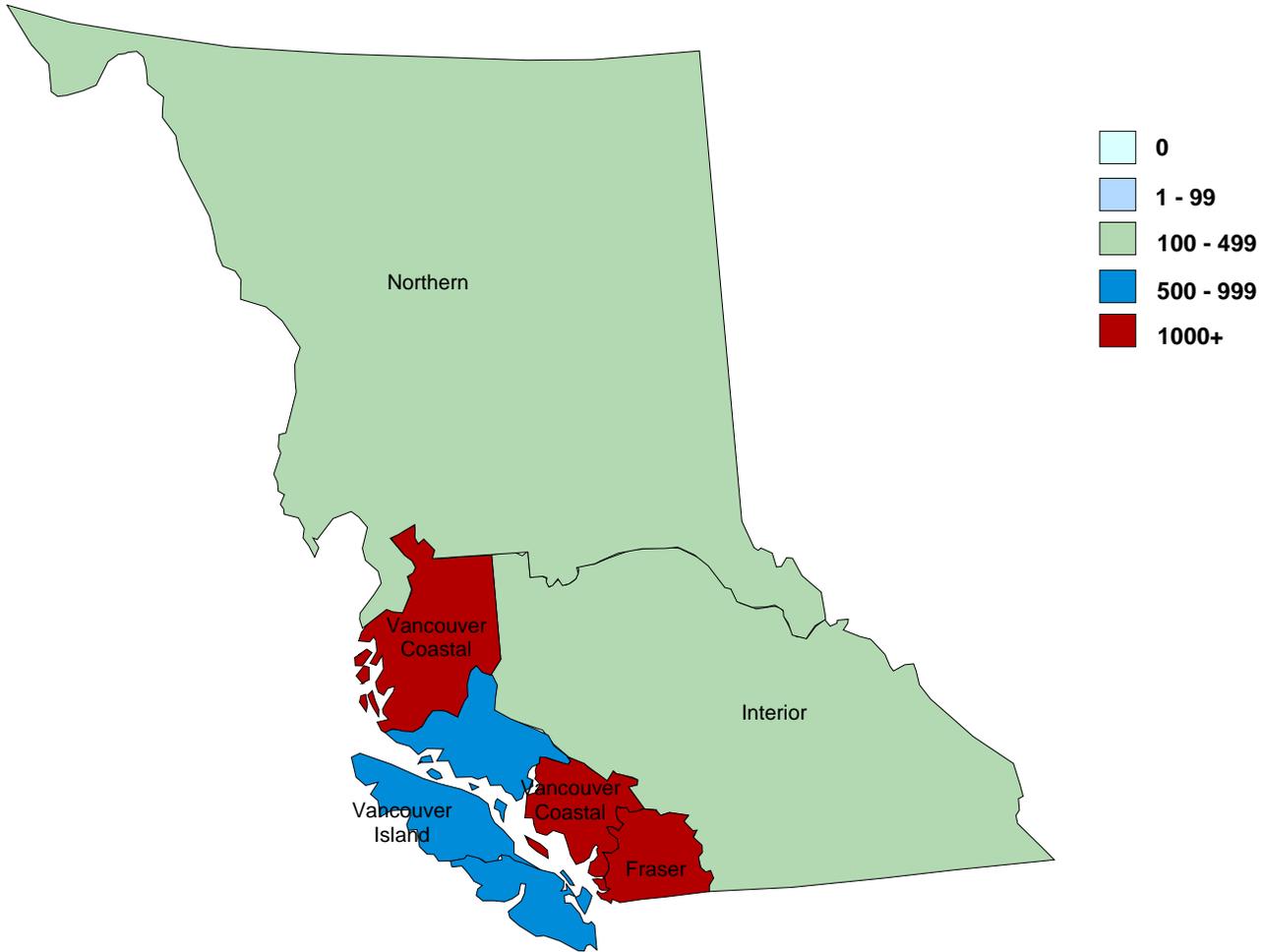




1.1 Distribution of men and women on antiretroviral therapy in British Columbia by Health Authority

June 2016

N = 7081



Health Authority	Male	Female	All
FRASER	1333	383	1716
INTERIOR	361	95	456
NORTHERN	129	73	202
VANCOUVER COASTAL	3388	451	3839
VANCOUVER ISLAND	681	153	834
	5892	1155	7047
		Unknown/not stated:	34
		Total:	7081

Definitions:

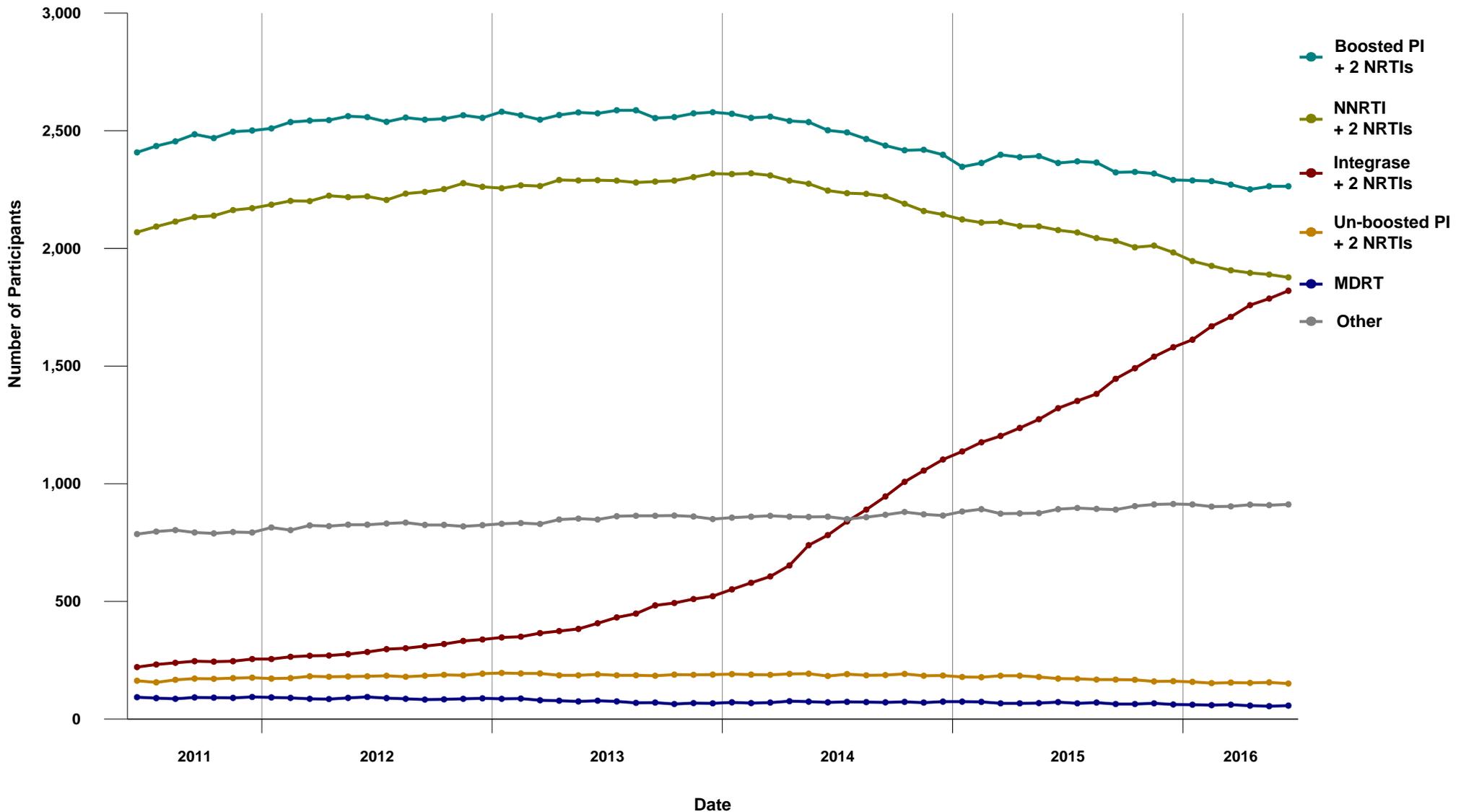
On antiretroviral therapy defined as being on treatment in the current month

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



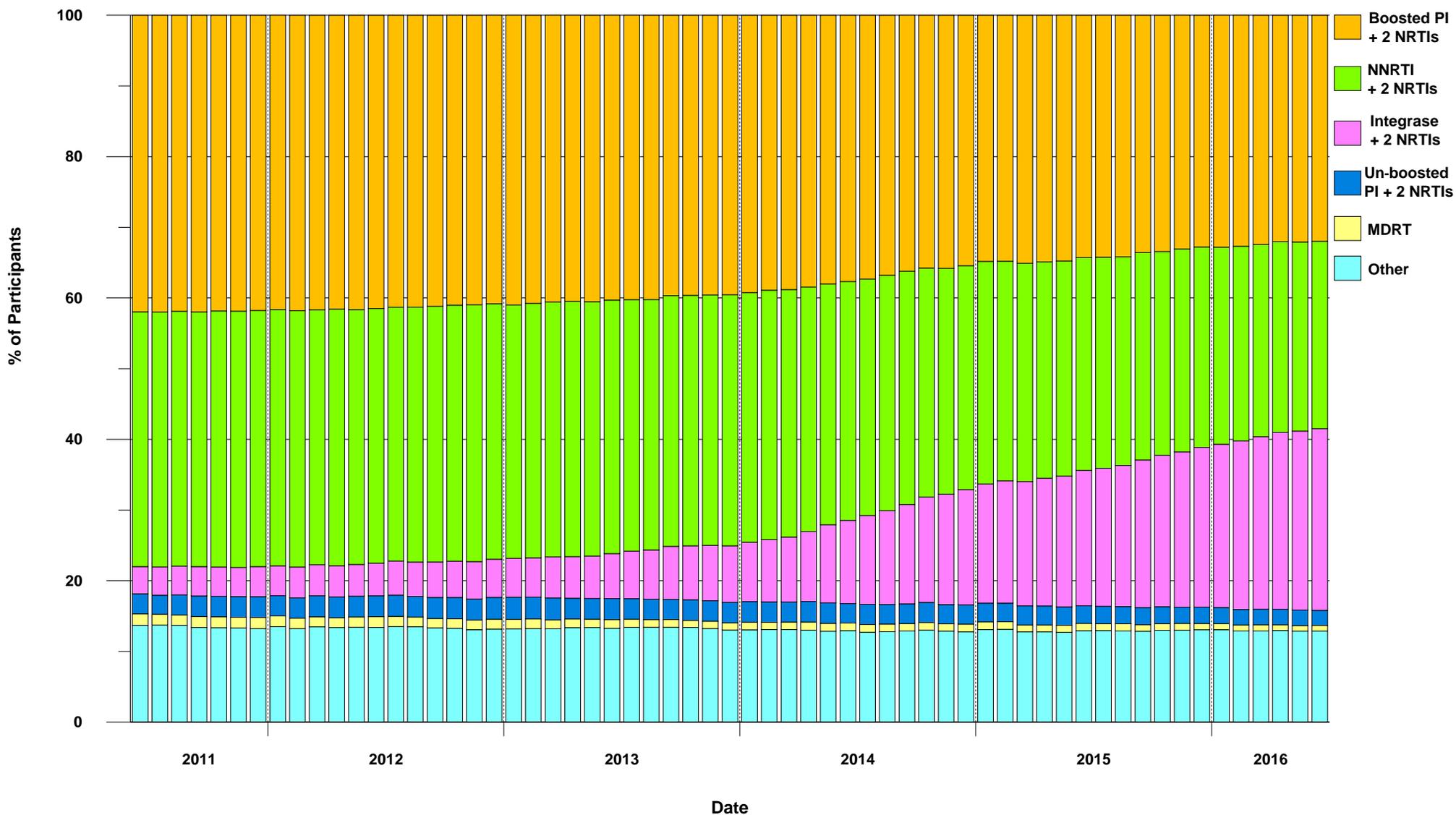


1.2 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (June 2011 - June 2016)



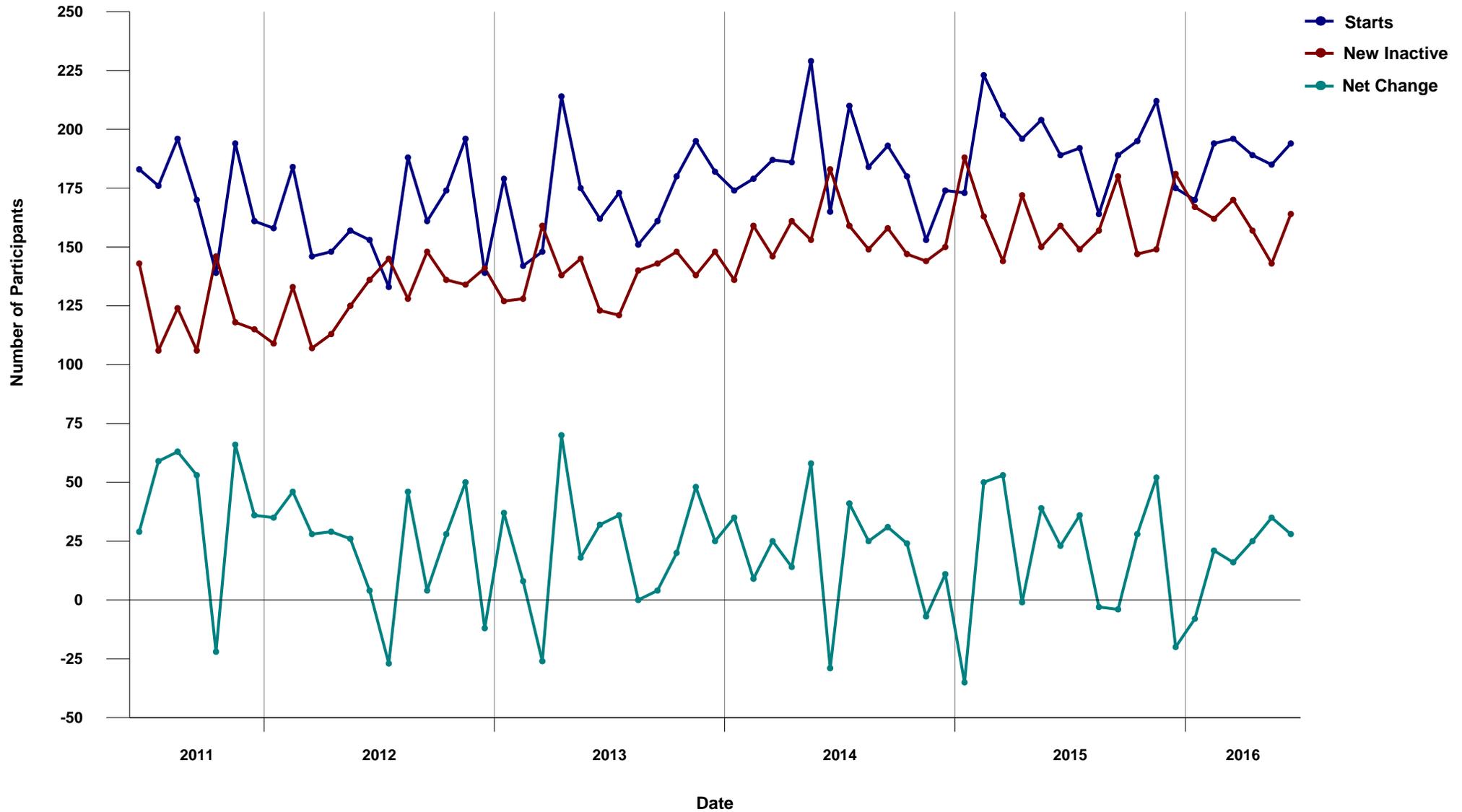


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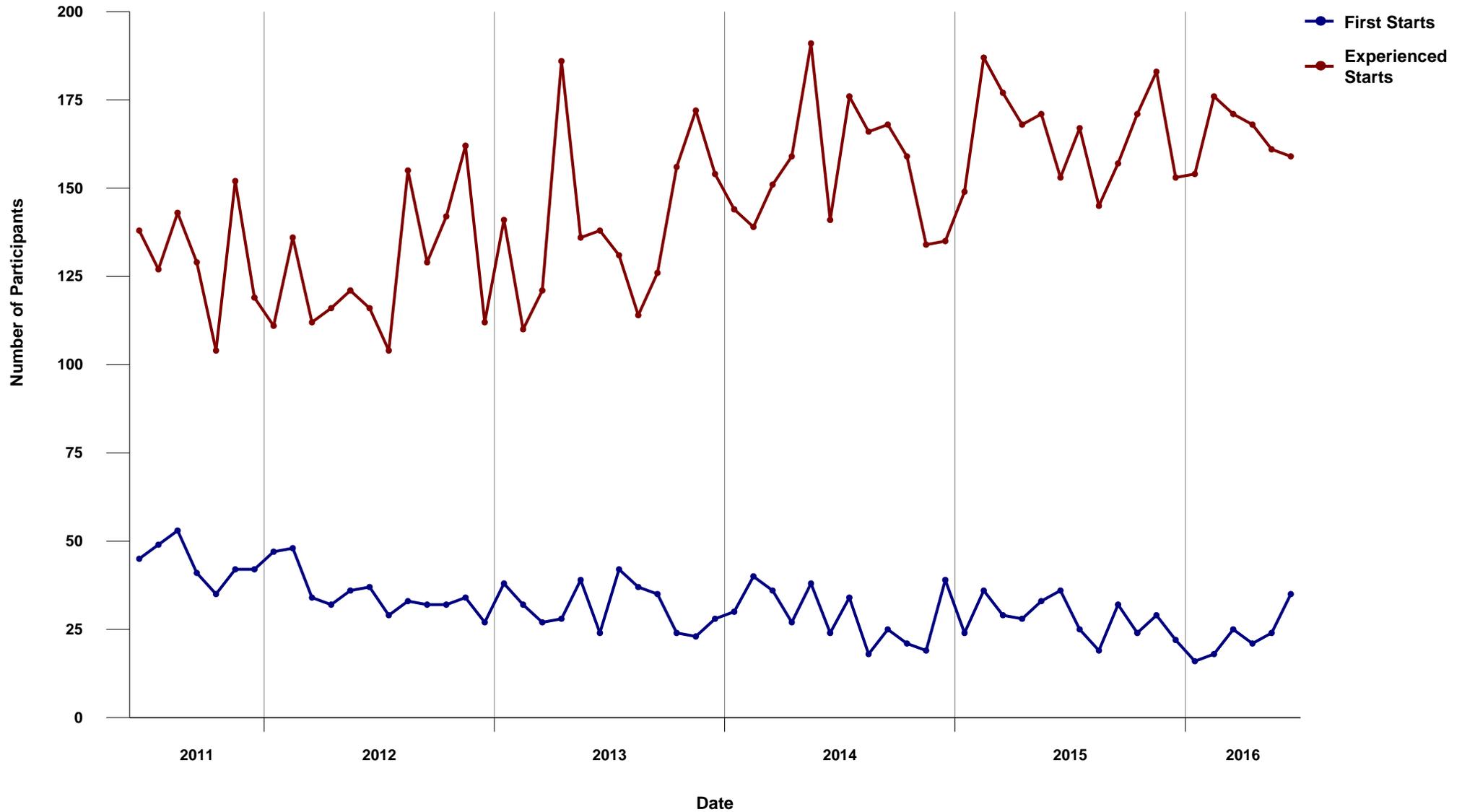


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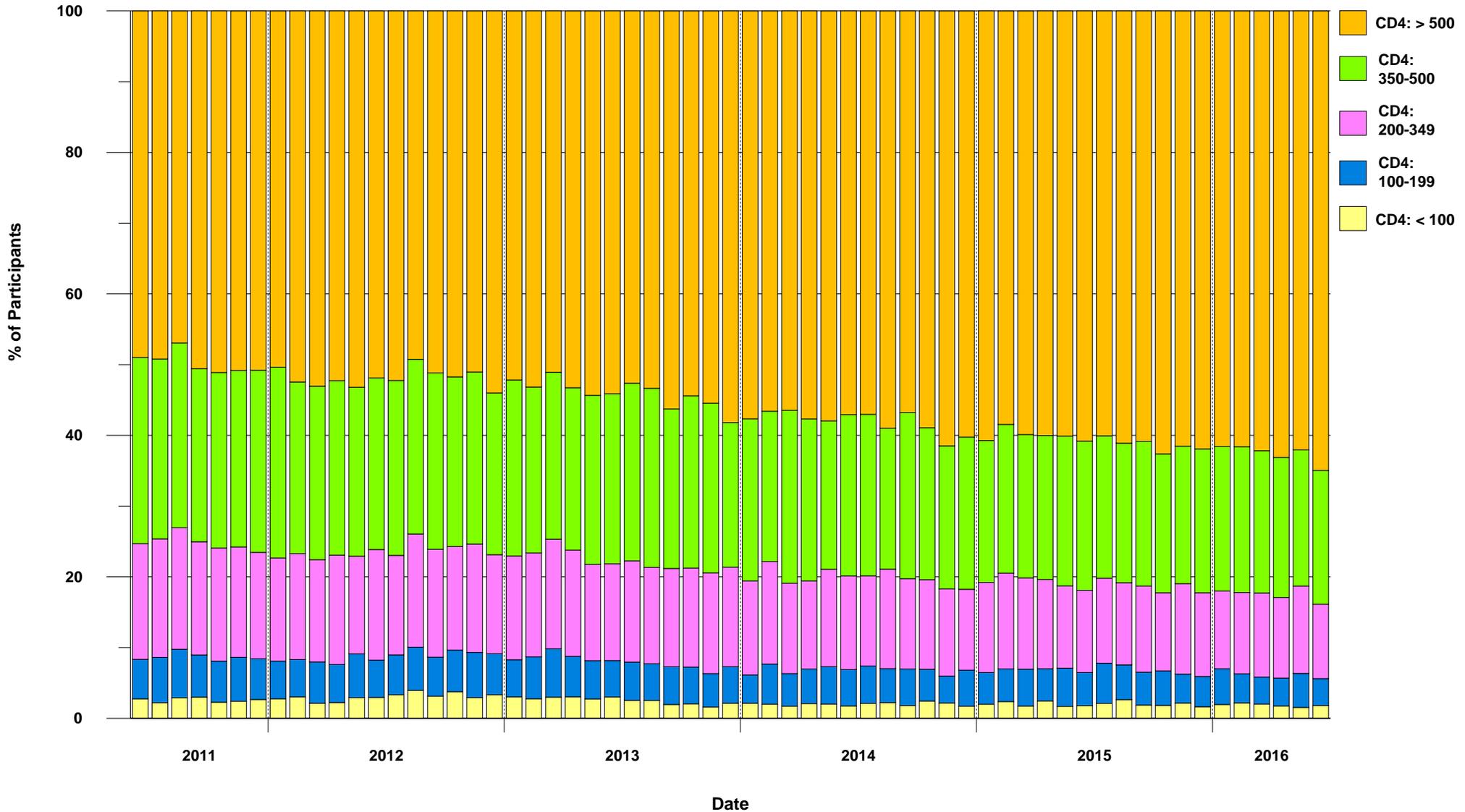


1.5 BC-CfE Enrollment: New Antiretroviral Participants (June 2011 - June 2016)



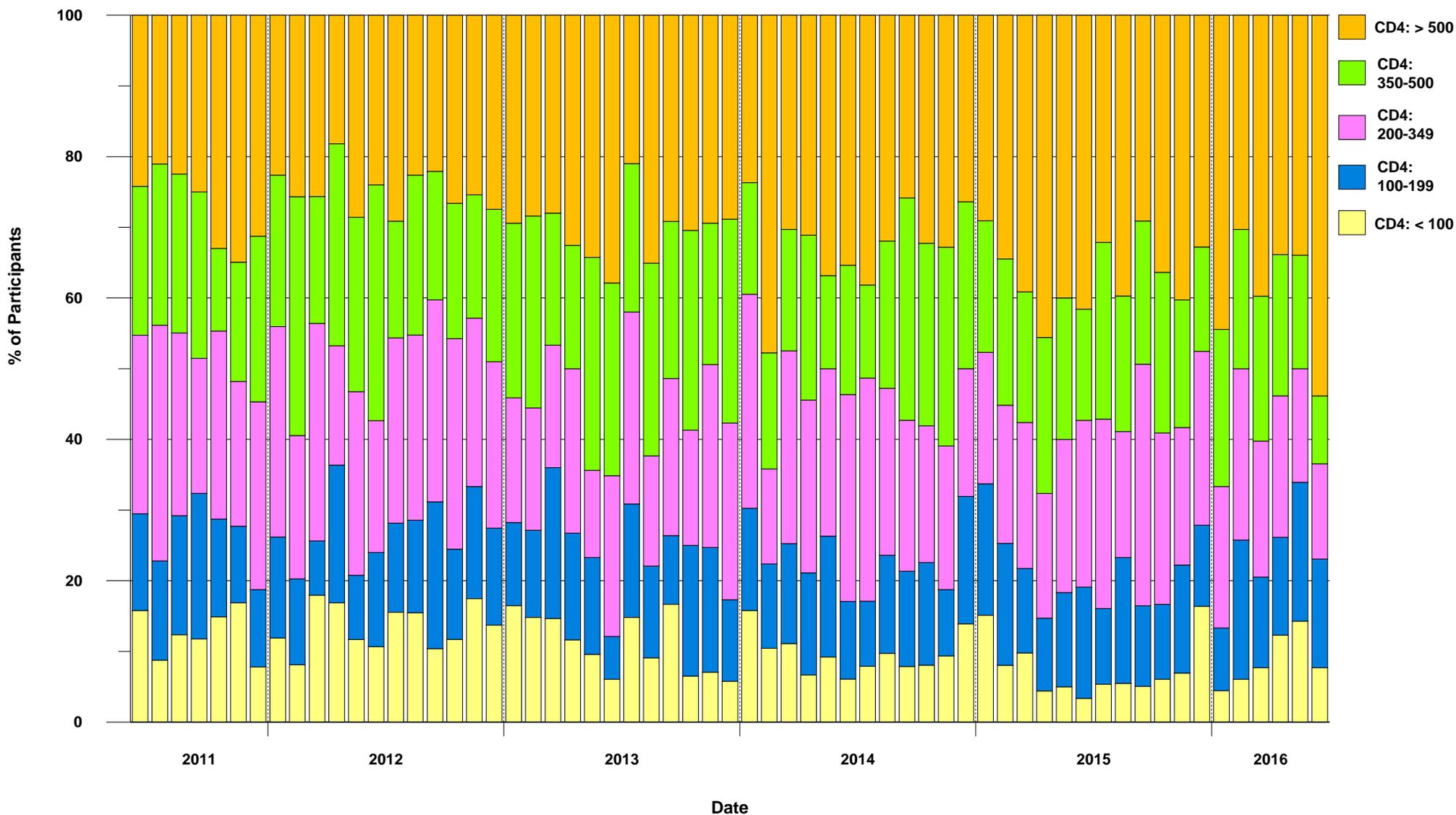


1.6 Percent Distribution of Active Participants by CD4 Count (June 2011 - June 2016)



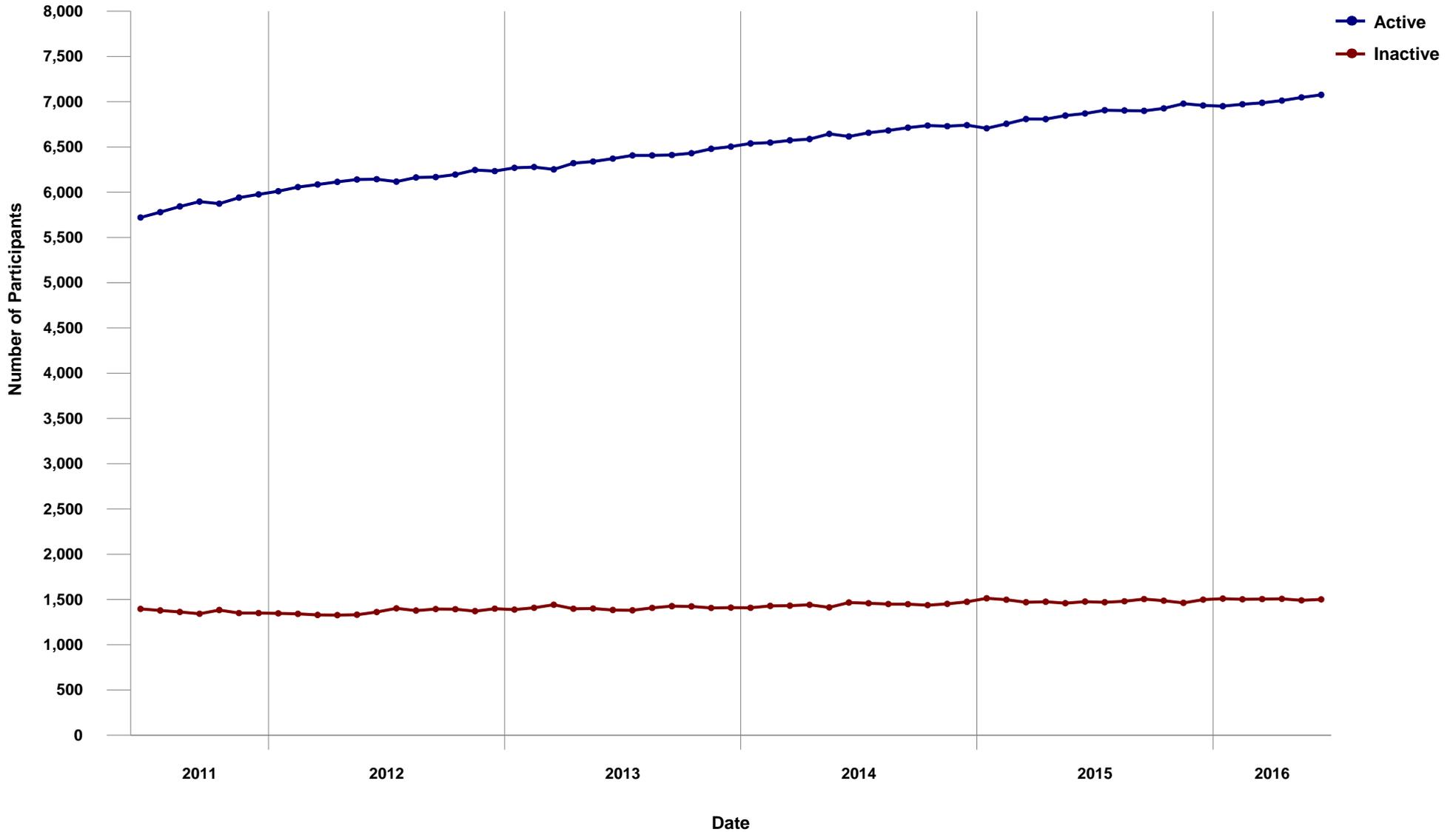


1.7 Percent Distribution of Inactive Participants by CD4 Count (June 2011 - June 2016)



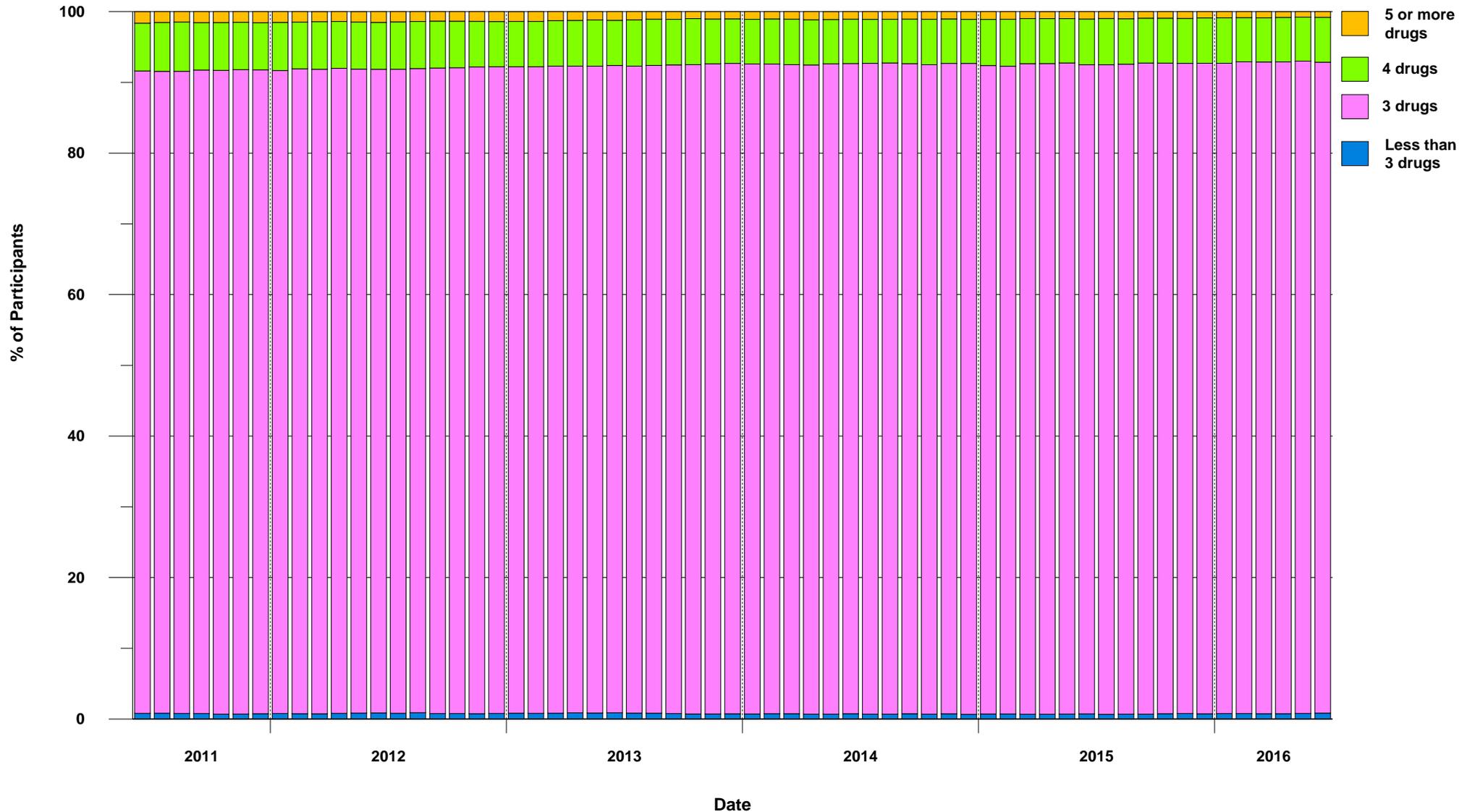


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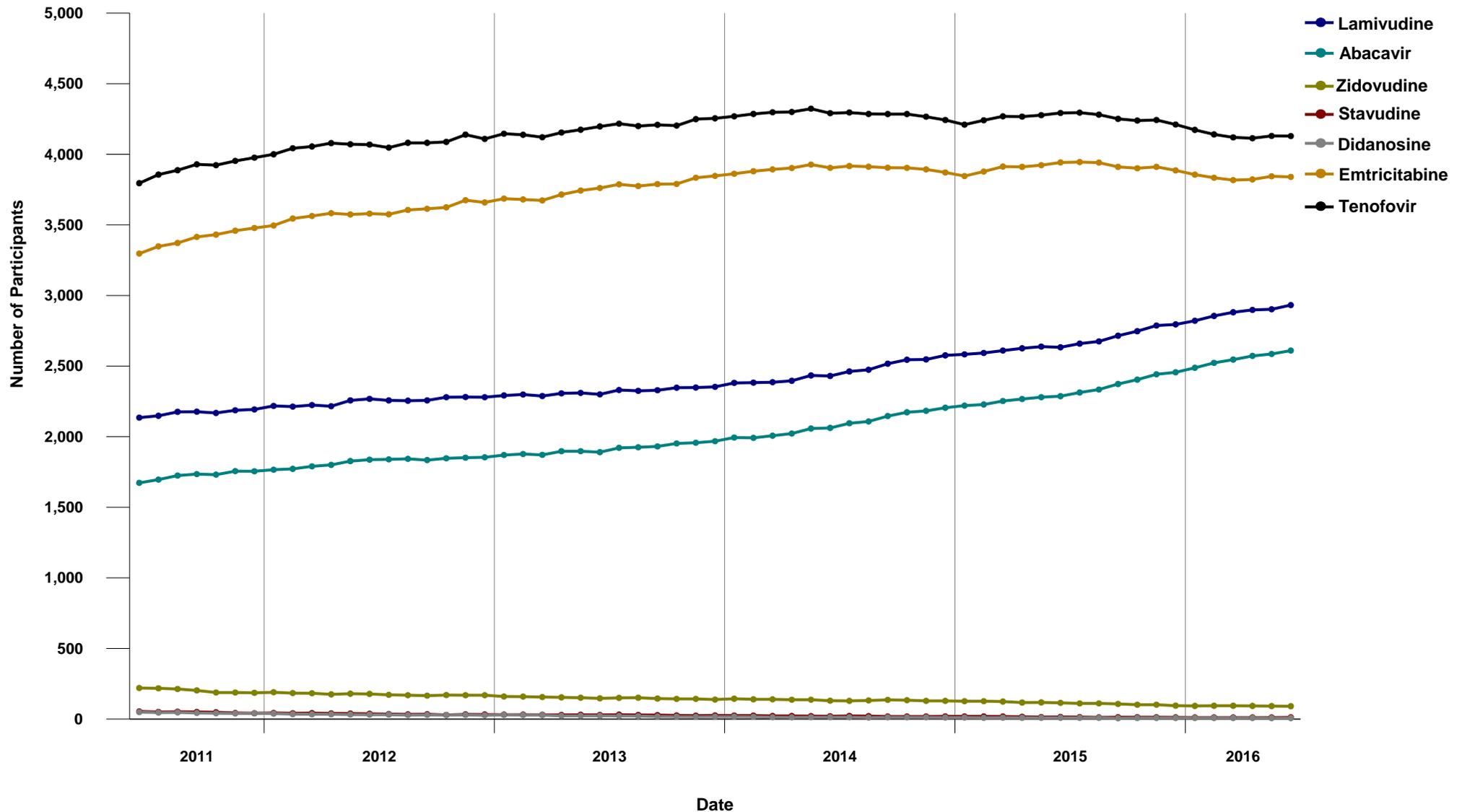


1.9 Percent Distribution of Participants on ARV Therapy by Number of Drugs (June 2011 - June 2016)





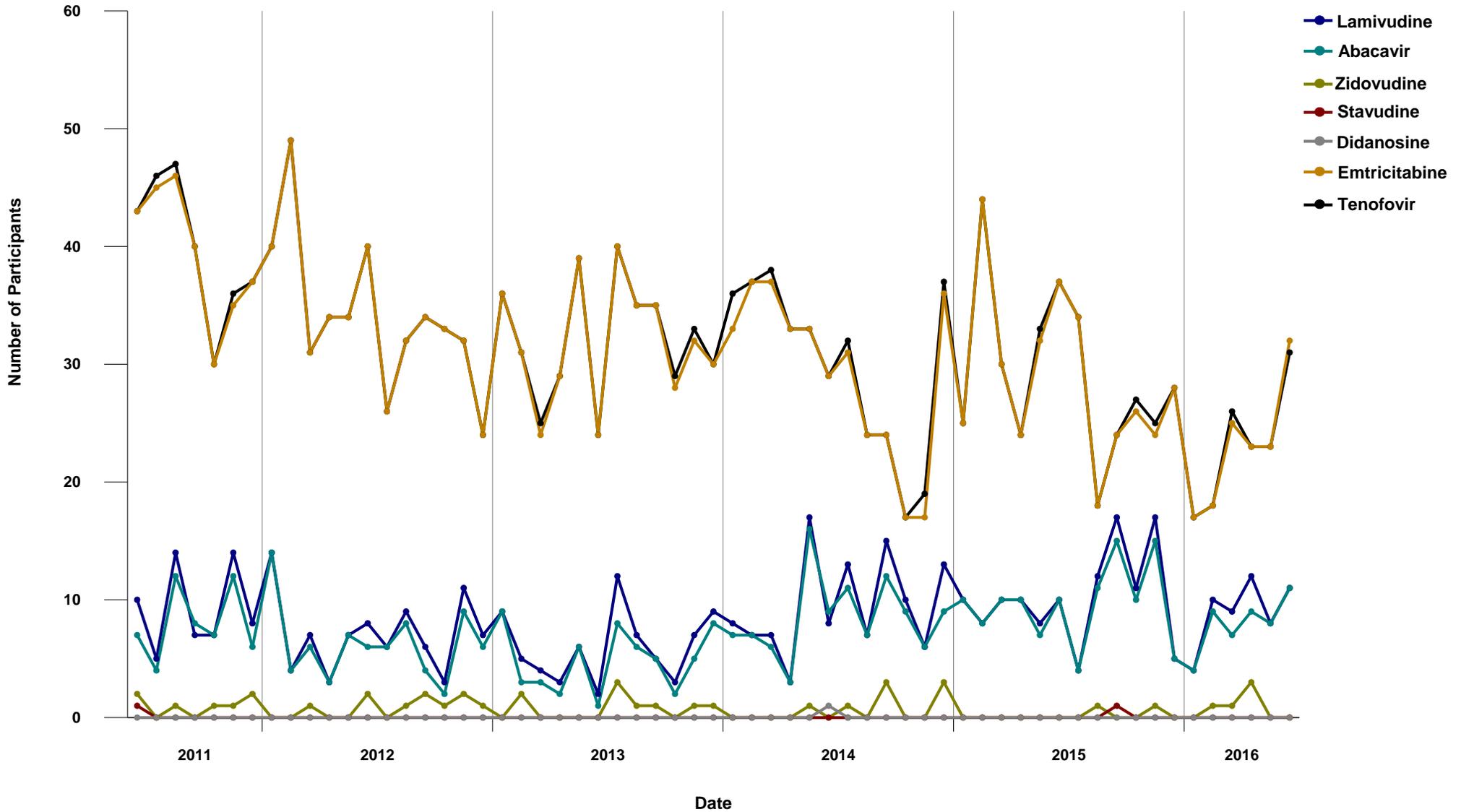
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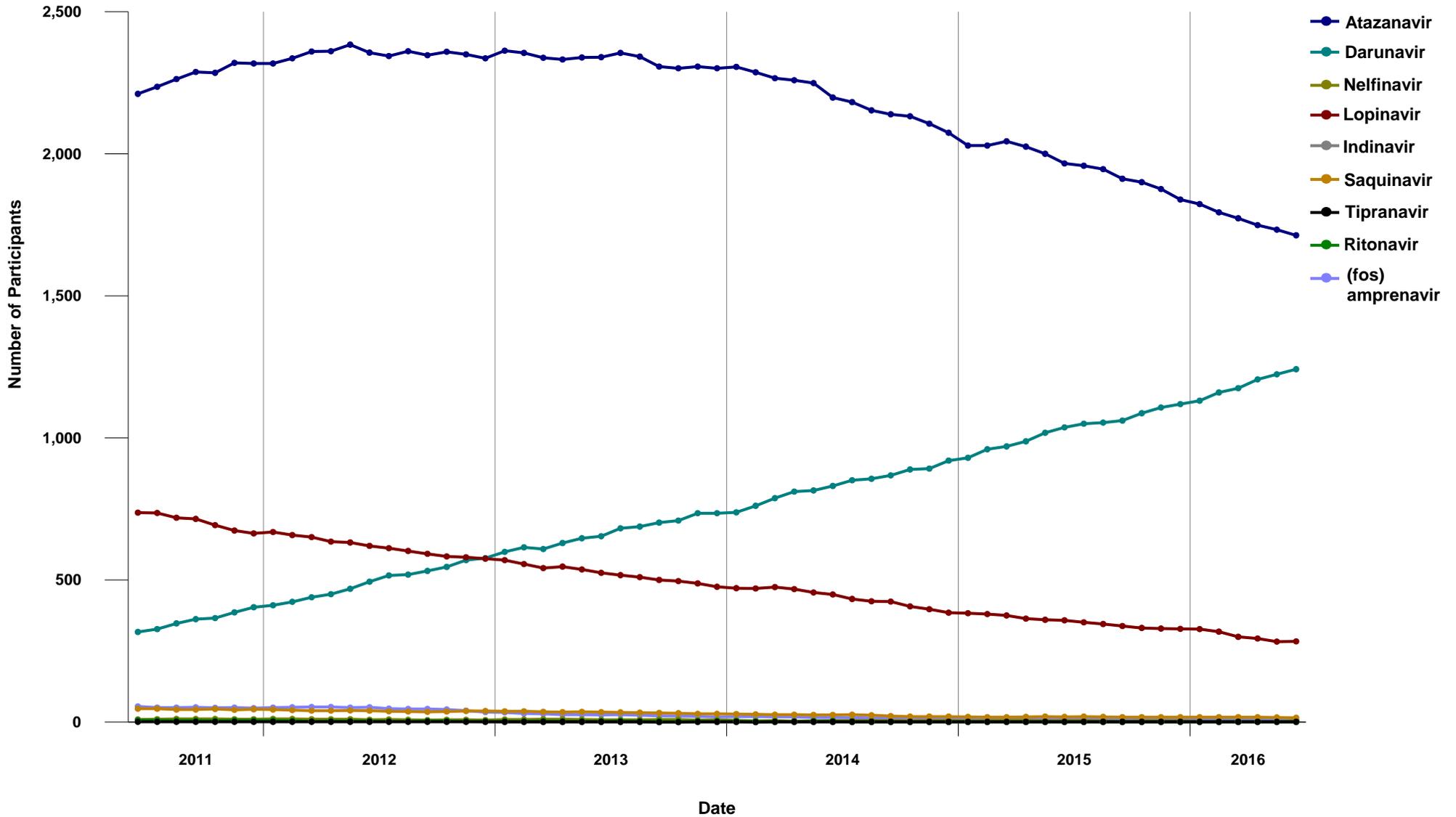
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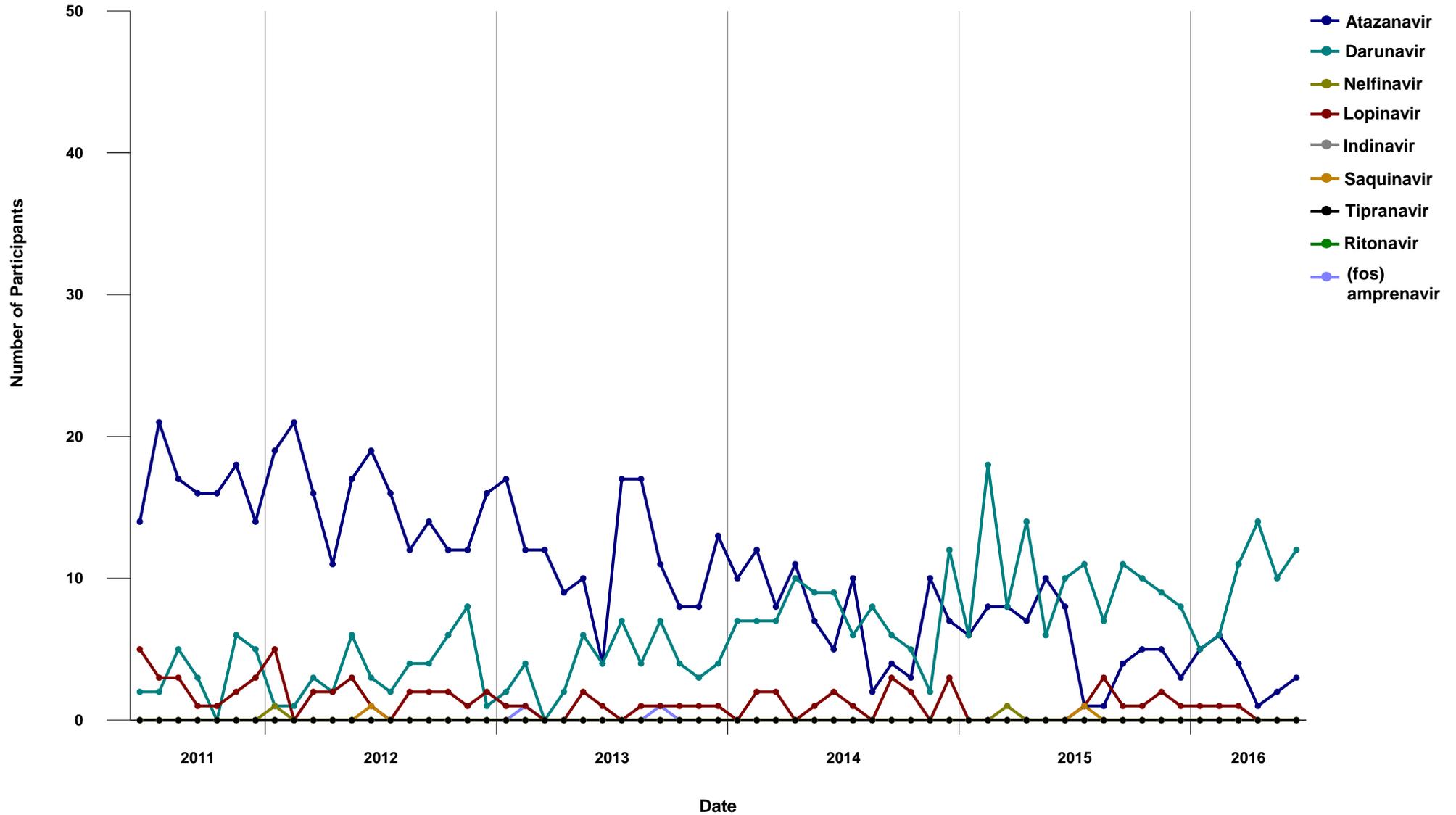
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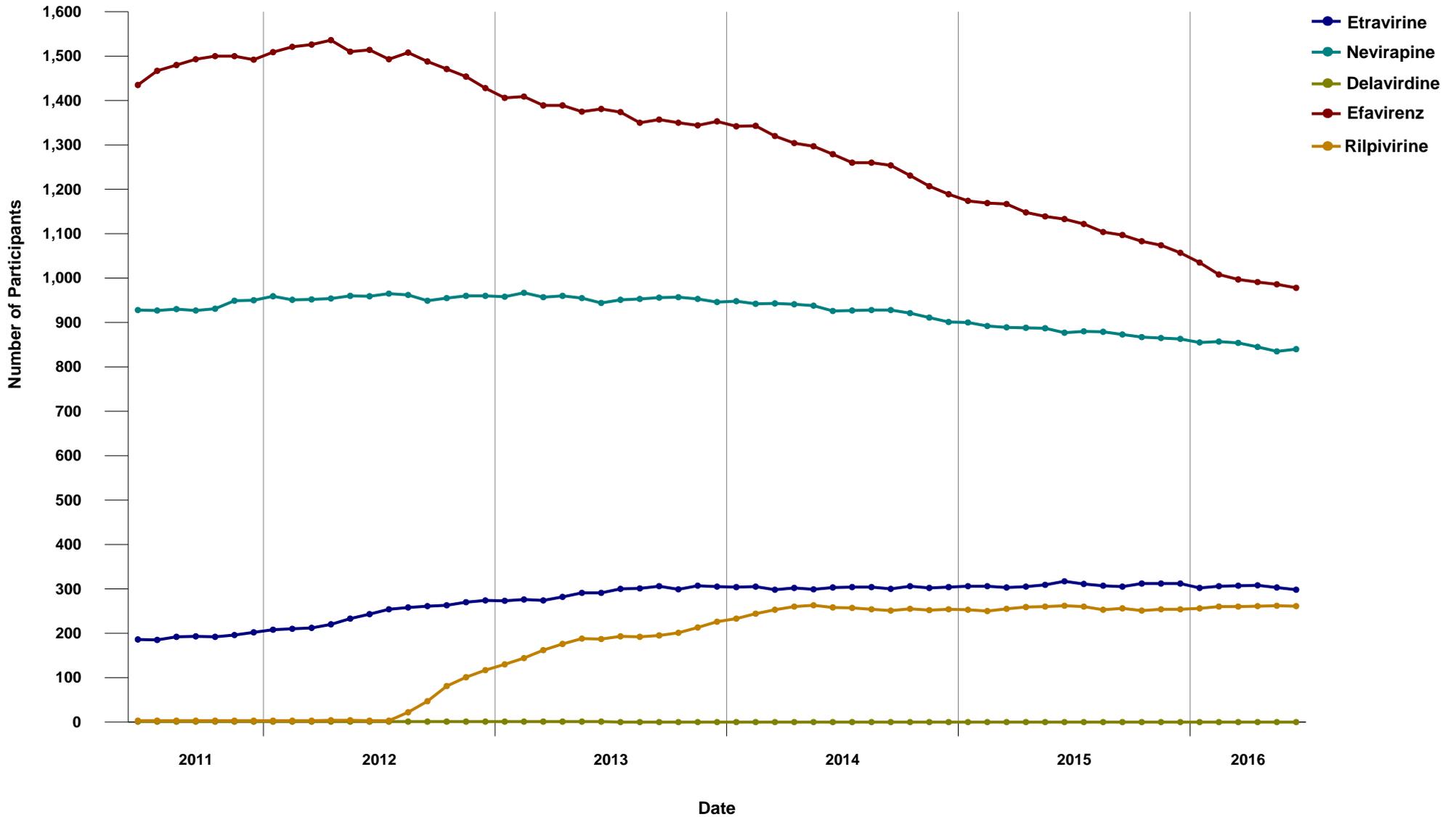
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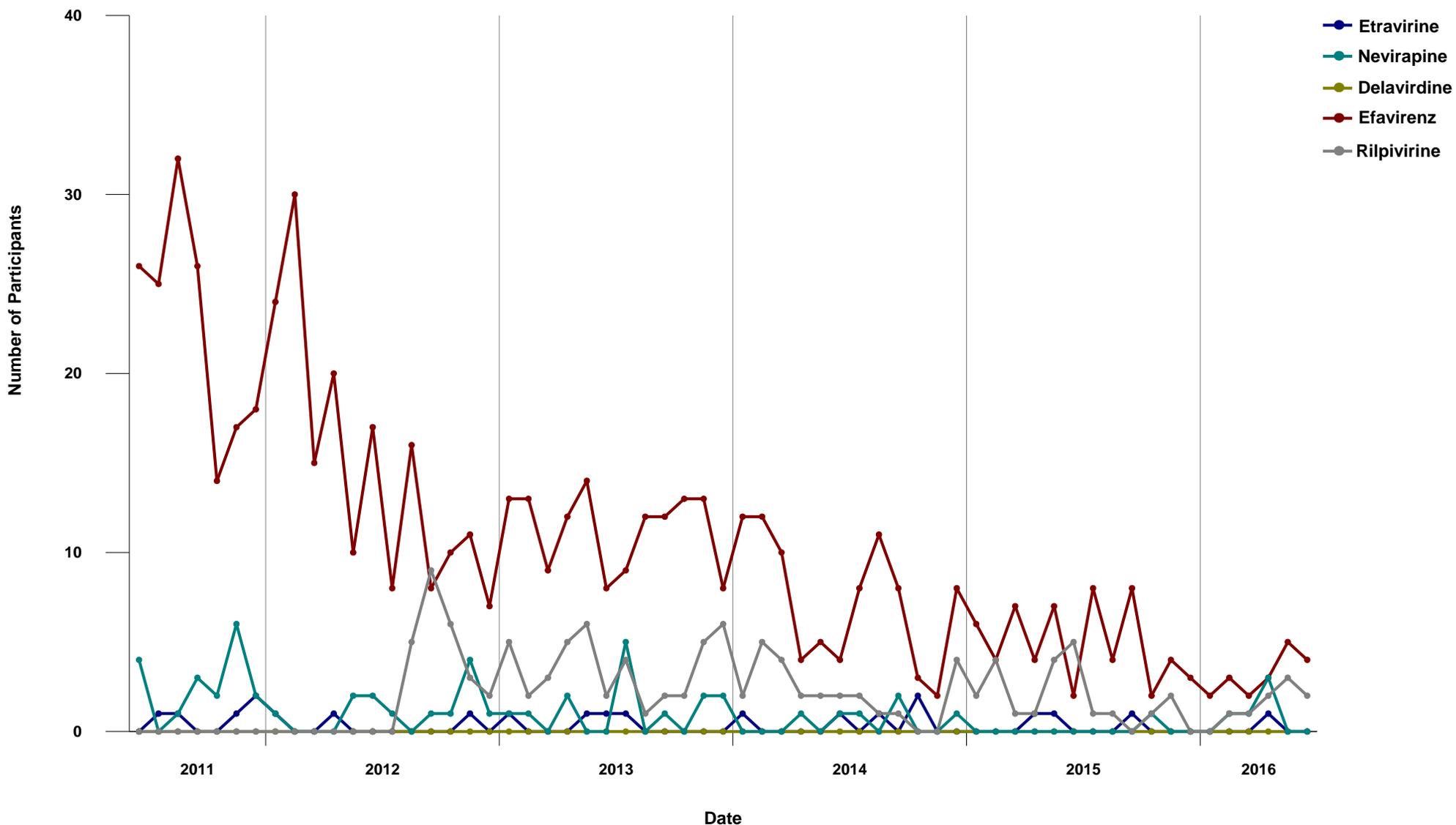
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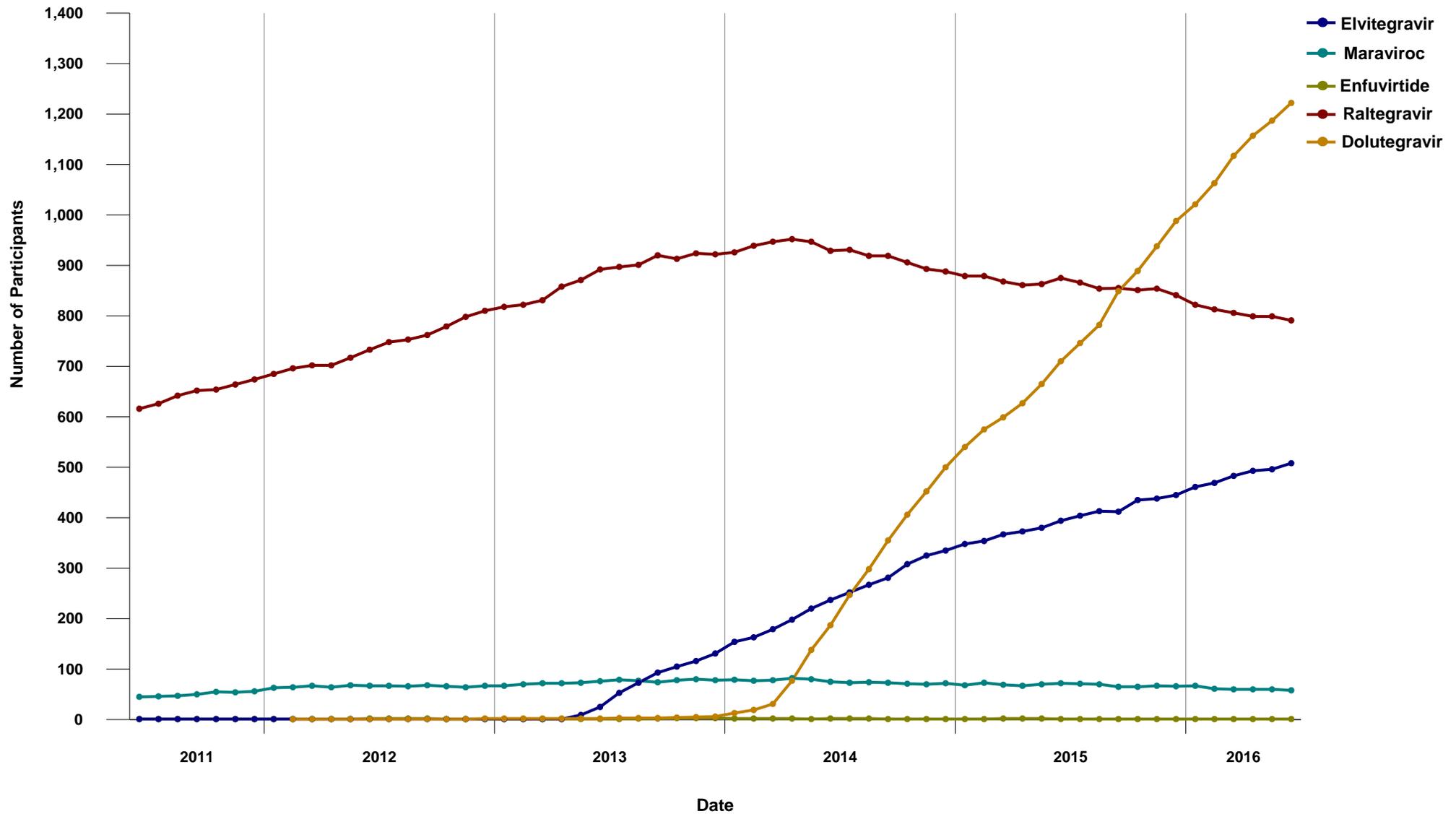
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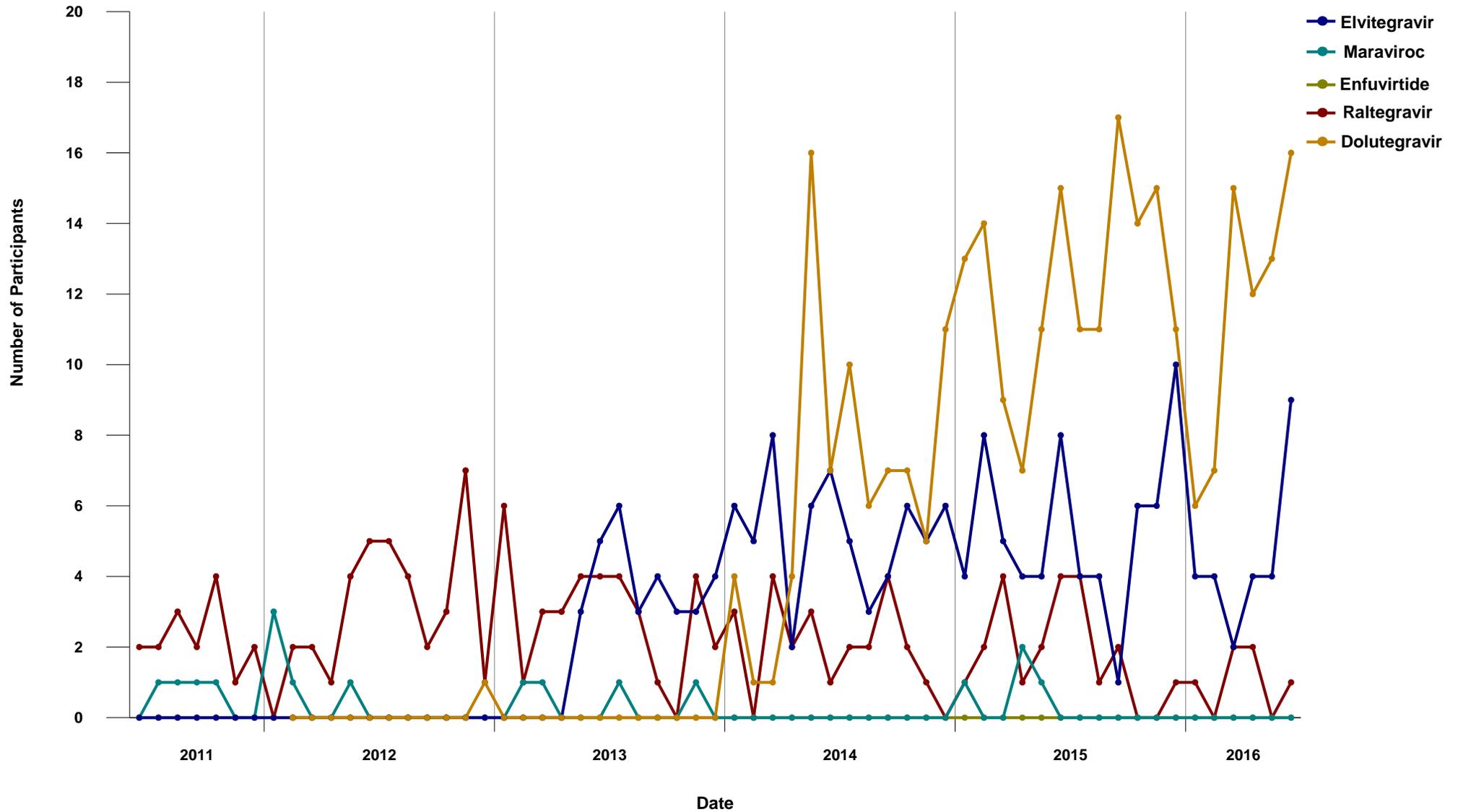
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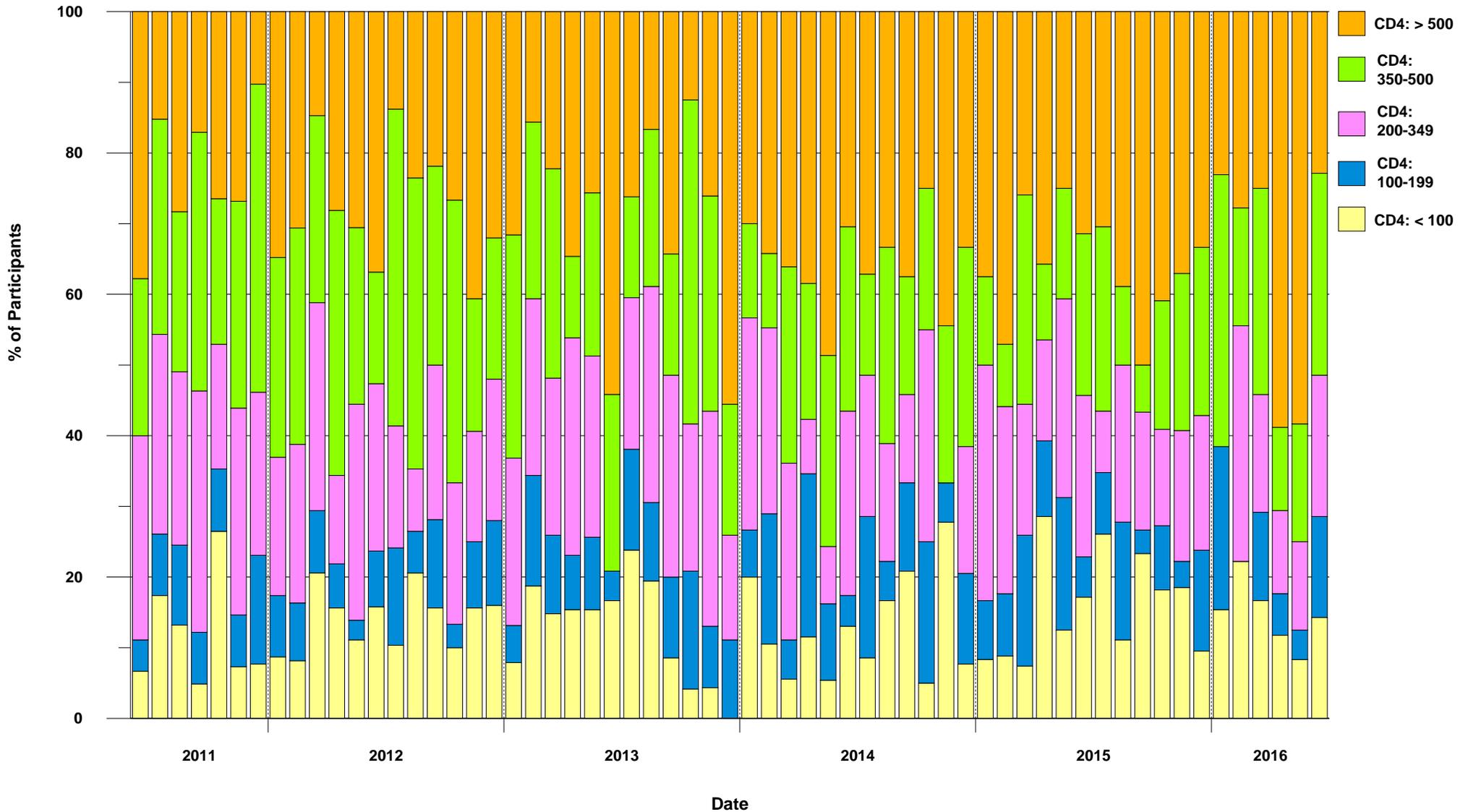
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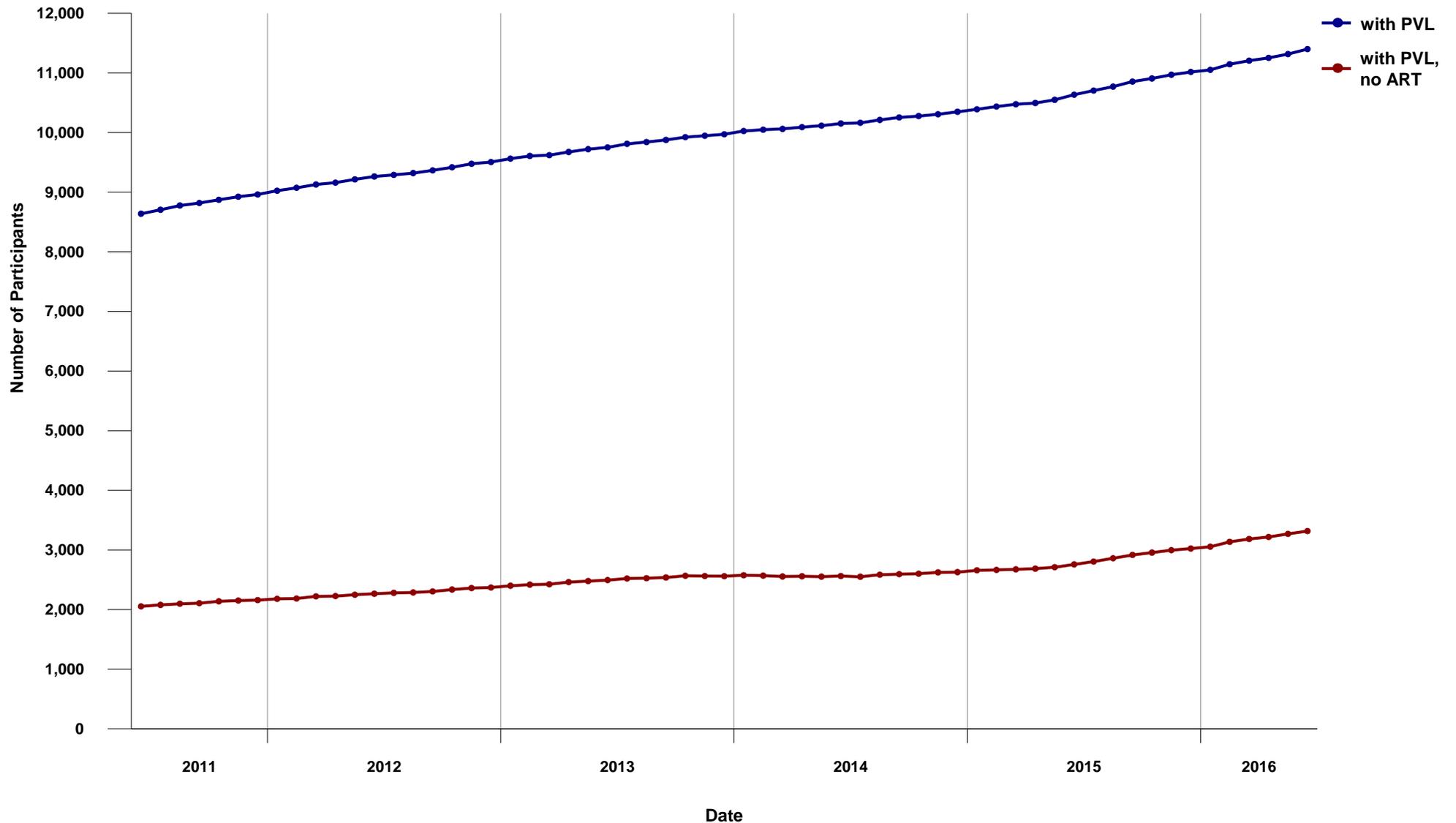


1.18 Baseline CD4 for Antiretroviral First Starts
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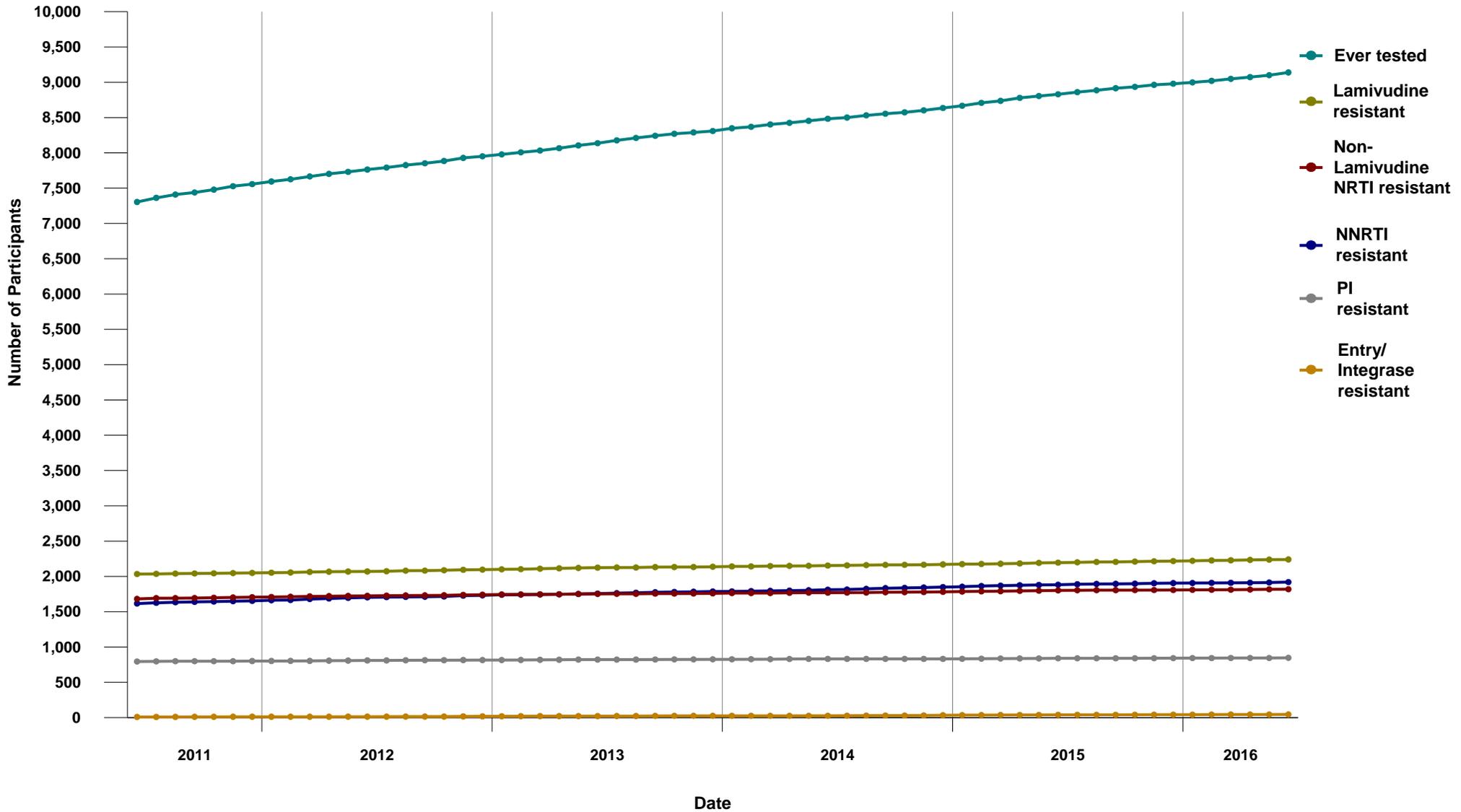


**1.19 DTP Participants with PVL Measurement within previous five years, and never on ART
(June 2011 - June 2016)**



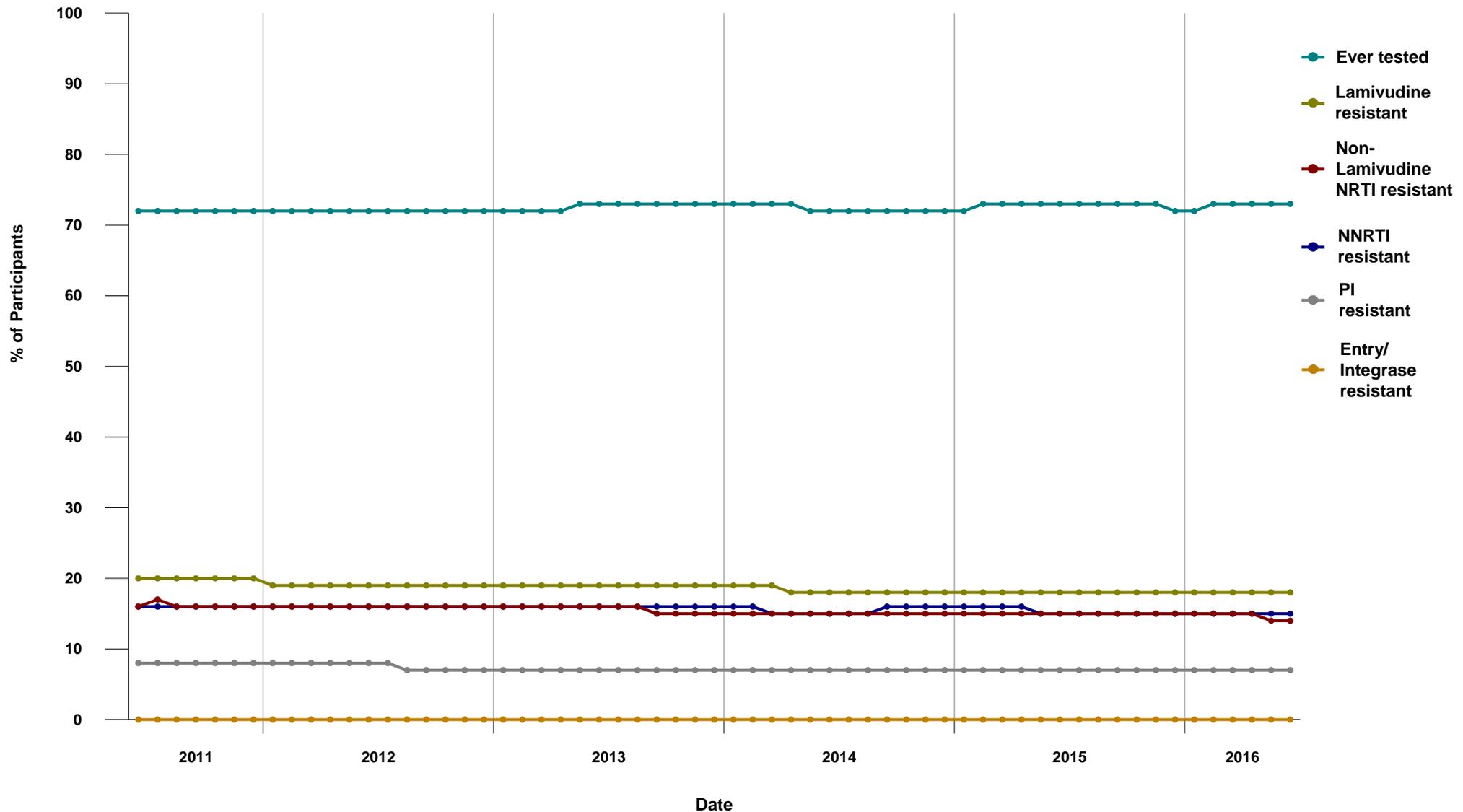


1.20 Cumulative Resistance Testing Results by Resistance Category (June 2011 - June 2016)





1.21 Percent of Participants ever on ARV - Resistance Testing Results by Resistance Category (June 2011 - June 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	5	0	5	5	810	5	<40	3
1988	24	7	0	7	7	420	7	<40	3
1989	23	56	2	58	51	490	56	<40	3
1990	22	61	1	62	57	520	60	<40	3
1991	22	38	3	41	34	530	40	<40	3
1992	22	70	6	76	57	580	74	<40	3
1993	21	144	15	159	142	570	154	<40	3
1994	20	96	14	110	89	580	104	<40	3
1995	19	127	26	153	117	530	142	<40	3
1996	17	374	59	433	376	620	422	<40	3
1997	16	314	39	353	312	590	341	<40	3
1998	15	222	47	269	221	580	252	<40	3
1999	15	185	40	225	189	540	215	<40	3
2000	15	138	37	175	150	550	172	<40	3
2001	15	133	34	167	141	580	158	<40	3
2002	13	144	30	174	140	590	165	<40	3
2003	13	174	33	207	177	610	198	<40	3
2004	12	181	41	222	189	570	211	<40	3
2005	11	208	48	256	218	600	247	<40	3
2006	10	216	46	262	209	590	244	<40	3
2007	9	274	57	331	283	580	321	<40	3
2008	8	317	70	387	325	610	364	<40	3
2009	7	343	76	419	352	630	402	<40	3
2010	6	315	71	386	332	625	370	<40	3
2011	5	363	82	445	371	670	420	<40	3
2012	4	302	67	369	312	685	354	<40	3
2013	3	296	71	367	298	620	356	<40	3
2014	2	319	57	376	314	680	366	<40	3
2015	1	348	56	404	336	600	386	<40	3
2016	0	147	31	178	171	500	174	<40	3
Total:		5917	1159	7076					

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	2114	580
FEB-2015	6787	754	1976	<40	1730	570
MAR-2015	6834	748	2173	<40	1899	570
APR-2015	6845	739	2150	<40	1909	580
MAY-2015	6882	740	2032	<40	1789	560
JUN-2015	6898	740	2254	<40	1962	580
JUL-2015	6925	739	2037	<40	1798	580
AUG-2015	6922	752	2075	<40	1774	580
SEP-2015	6923	749	2265	<40	1974	580
OCT-2015	6957	740	2100	<40	1803	590
NOV-2015	7009	722	2064	<40	1806	580
DEC-2015	6991	725	2015	<40	1775	600
JAN-2016	6978	735	2264	<40	1937	590
FEB-2016	6996	735	2066	<40	1794	590
MAR-2016	7007	736	2157	<40	1885	590
APR-2016	7028	733	2054	<40	1773	590
MAY-2016	7060	745	2076	<40	1750	590
JUN-2016	7081	739	2180	<40	1817	620

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	86	315
FEB-2015	1497	2111	103	75	87	380
MAR-2015	1469	2260	101	56	92	405
APR-2015	1475	2244	83	2239	68	465
MAY-2015	1459	2353	73	148	60	430
JUN-2015	1476	2271	96	106	89	430
JUL-2015	1469	2336	71	598	56	380
AUG-2015	1480	2303	82	2341	73	440
SEP-2015	1504	2231	91	128	79	349
OCT-2015	1486	2347	81	<40	66	405
NOV-2015	1462	2458	85	169	72	425
DEC-2015	1498	2318	79	344	61	330
JAN-2016	1509	2304	114	<40	90	465
FEB-2016	1502	2363	80	751	66	340
MAR-2016	1504	2343	85	130	78	450
APR-2016	1507	2343	86	<50	65	360
MAY-2016	1490	2417	73	<40	56	335
JUN-2016	1501	2407	69	56	52	520

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	6899	1504	9	32	157	180	-4	12279
OCT-2015	6927	1486	14	24	171	147	28	12316
NOV-2015	6979	1462	9	29	183	149	52	12357
DEC-2015	6959	1498	11	22	153	181	-20	12390
JAN-2016	6951	1509	9	16	154	167	-8	12411
FEB-2016	6972	1502	5	18	176	162	21	12439
MAR-2016	6988	1504	8	25	171	170	16	12473
APR-2016	7013	1507	6	21	168	157	25	12508
MAY-2016	7048	1490	7	24	161	143	35	12539
JUN-2016	7076	1501	0	35	159	164	28	12582

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	48	6360	444	70	6922	0.69%	91.88%	6.41%	1.01%	100.00%
SEP-2015	48	6372	439	64	6923	0.69%	92.04%	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	6442	445	67	7009	0.78%	91.91%	6.35%	0.96%	100.00%
DEC-2015	52	6429	448	62	6991	0.74%	91.96%	6.41%	0.89%	100.00%
JAN-2016	54	6415	448	61	6978	0.77%	91.93%	6.42%	0.87%	100.00%
FEB-2016	54	6446	437	59	6996	0.77%	92.14%	6.25%	0.84%	100.00%
MAR-2016	53	6455	438	61	7007	0.76%	92.12%	6.25%	0.87%	100.00%
APR-2016	53	6476	442	57	7028	0.75%	92.15%	6.29%	0.81%	100.00%
MAY-2016	56	6510	439	55	7060	0.79%	92.21%	6.22%	0.78%	100.00%
JUN-2016	59	6516	449	57	7081	0.83%	92.02%	6.34%	0.80%	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%	2787 41%	15 37%	2442 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%	2795 41%	5 15%	2456 36%	0 0%	95 1%	0 0%	12 0%	0 0%	8 0%	28 85%	3886 57%	0 0%	0 0%
JAN-2016	4 19%	2821 42%	4 19%	2488 37%	0 0%	93 1%	0 0%	11 0%	0 0%	8 0%	17 81%	3856 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%	3834 57%	0 0%	0 0%
MAR-2016	9 26%	2881 42%	7 21%	2546 38%	1 3%	94 1%	0 0%	11 0%	0 0%	8 0%	25 74%	3817 56%	0 0%	0 0%
APR-2016	12 34%	2898 43%	9 26%	2572 38%	3 9%	93 1%	0 0%	11 0%	0 0%	8 0%	23 66%	3822 56%	0 0%	5 0%
MAY-2016	8 26%	2902 43%	8 26%	2586 38%	0 0%	92 1%	0 0%	11 0%	0 0%	7 0%	23 74%	3844 56%	0 0%	6 0%
JUN-2016	11 26%	2932 43%	11 26%	2610 38%	0 0%	91 1%	0 0%	12 0%	0 0%	7 0%	32 74%	3840 56%	1 2%	8 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%	4211	62%
JAN-2016	17	81%	4173	62%
FEB-2016	18	64%	4141	61%
MAR-2016	26	76%	4120	61%
APR-2016	23	66%	4114	61%
MAY-2016	23	74%	4130	61%
JUN-2016	31	72%	4129	60%

Definitions:

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% 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%	5 31%	1876 56%	9 56%	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%	1839 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%	1823 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%	1794 55%	6 46%	1160 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%	1773 55%	11 69%	1175 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%	1749 54%	14 93%	1206 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%	1242 38%	0 0%	284 9%	0 0%	4 0%	0 0%	1 0%	0 0%	15 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





2.7 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%

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%	1057 43%	0 0%	312 13%	0 0%	863 35%	0 0%	254 10%
JAN-2016	2 100%	1035 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%	260 11%
MAR-2016	2 50%	997 41%	0 0%	307 13%	1 25%	854 35%	1 25%	260 11%
APR-2016	3 33%	991 41%	1 11%	308 13%	3 33%	845 35%	2 22%	261 11%
MAY-2016	5 63%	986 41%	0 0%	303 13%	0 0%	835 35%	3 38%	262 11%
JUN-2016	4 67%	978 41%	0 0%	298 13%	0 0%	840 35%	2 33%	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%	782 38%	4 25%	413 20%	0 0%	70 3%	1 6%	854 41%	0 0%	1 0%
SEP-2015	17 85%	849 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%	483 20%	0 0%	60 2%	2 11%	806 33%	0 0%	1 0%
APR-2016	12 67%	1157 47%	4 22%	493 20%	0 0%	60 2%	2 11%	799 32%	0 0%	1 0%
MAY-2016	13 76%	1187 47%	4 24%	496 20%	0 0%	60 2%	0 0%	799 32%	0 0%	1 0%
JUN-2016	16 62%	1222 48%	9 35%	508 20%	0 0%	58 2%	1 4%	791 31%	0 0%	1 0%

Definitions:

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% 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	1382	19.97	168	2.43	70	1.01	893	12.90
SEP-2015	2323	33.55	2032	29.35	1446	20.89	168	2.43	64	0.92	890	12.86
OCT-2015	2325	33.42	2005	28.82	1491	21.43	167	2.40	64	0.92	905	13.01
NOV-2015	2318	33.07	2012	28.71	1540	21.97	160	2.28	67	0.96	912	13.01
DEC-2015	2291	32.77	1983	28.37	1580	22.60	161	2.30	62	0.89	914	13.07
JAN-2016	2289	32.80	1946	27.89	1612	23.10	158	2.26	61	0.87	912	13.07
FEB-2016	2286	32.68	1926	27.53	1669	23.86	153	2.19	59	0.84	903	12.91
MAR-2016	2271	32.41	1907	27.22	1709	24.39	155	2.21	61	0.87	904	12.90
APR-2016	2251	32.03	1896	26.98	1759	25.03	154	2.19	57	0.81	911	12.96
MAY-2016	2264	32.07	1889	26.76	1787	25.31	156	2.21	55	0.78	909	12.88
JUN-2016	2264	31.97	1877	26.51	1820	25.70	151	2.13	57	0.80	912	12.88

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	5	6	10	400
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	25	4	3	4	7	6	365
APR-2016	21	2	1	2	2	10	600
MAY-2016	24	2	1	3	4	14	514
JUN-2016	35	5	5	7	10	8	380

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	11206	3184
APR-2016	11252	3217
MAY-2016	11316	3269
JUN-2016	11400	3316

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

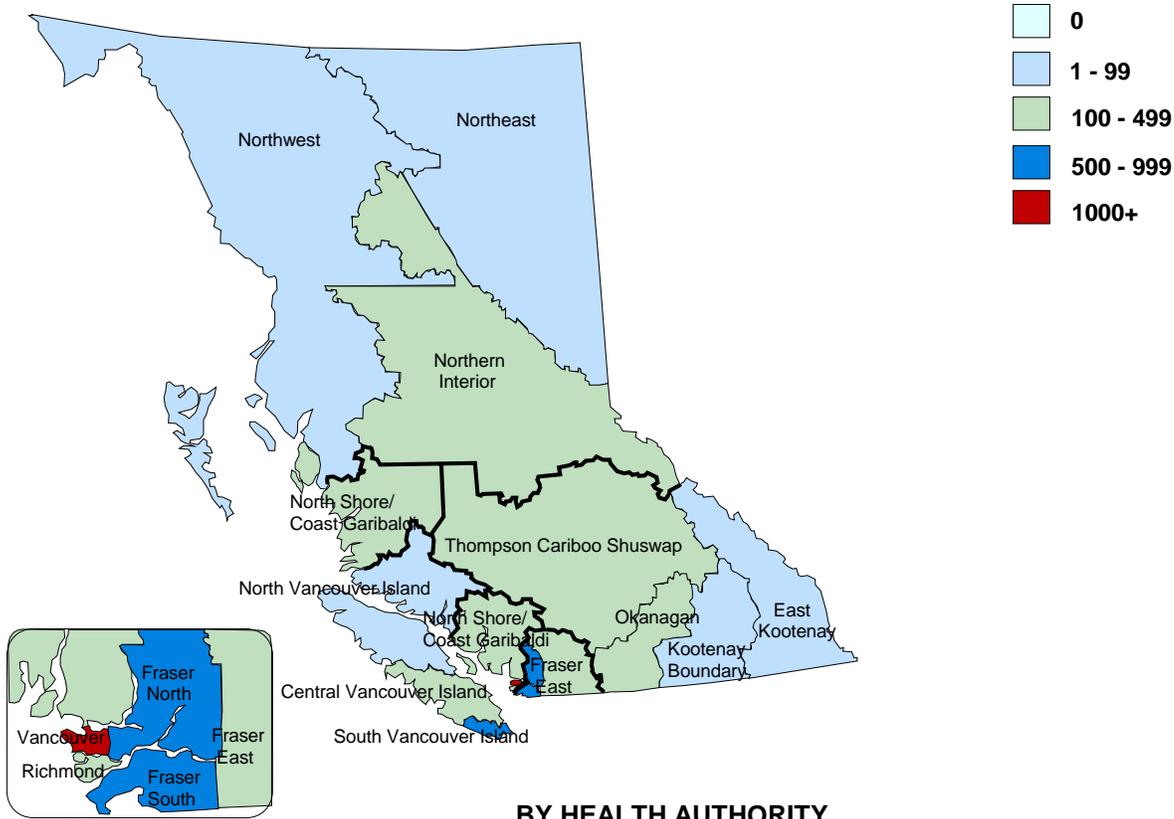




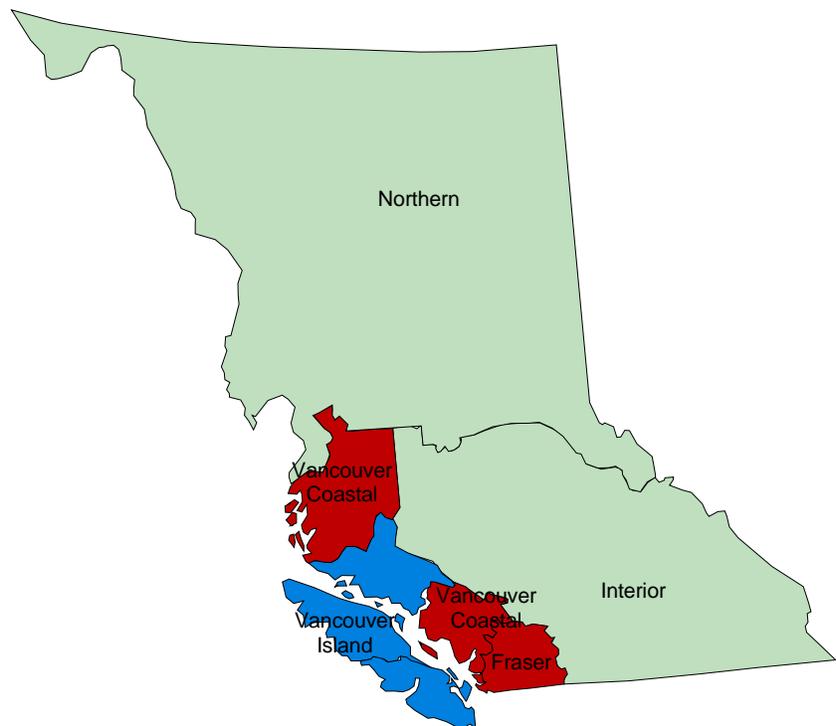
3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants
June 2016

N = 7081

BY HEALTH SERVICES DELIVERY AREA



BY HEALTH AUTHORITY

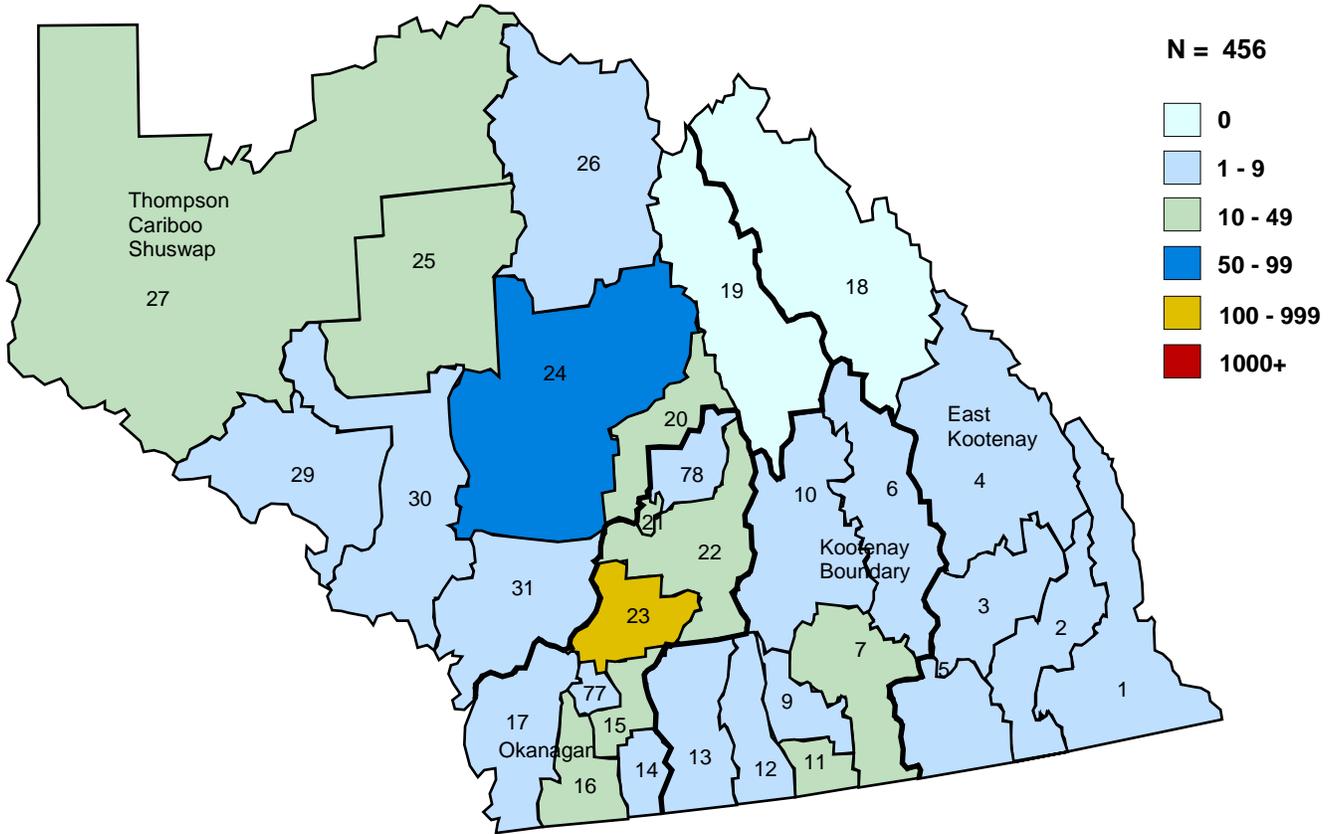




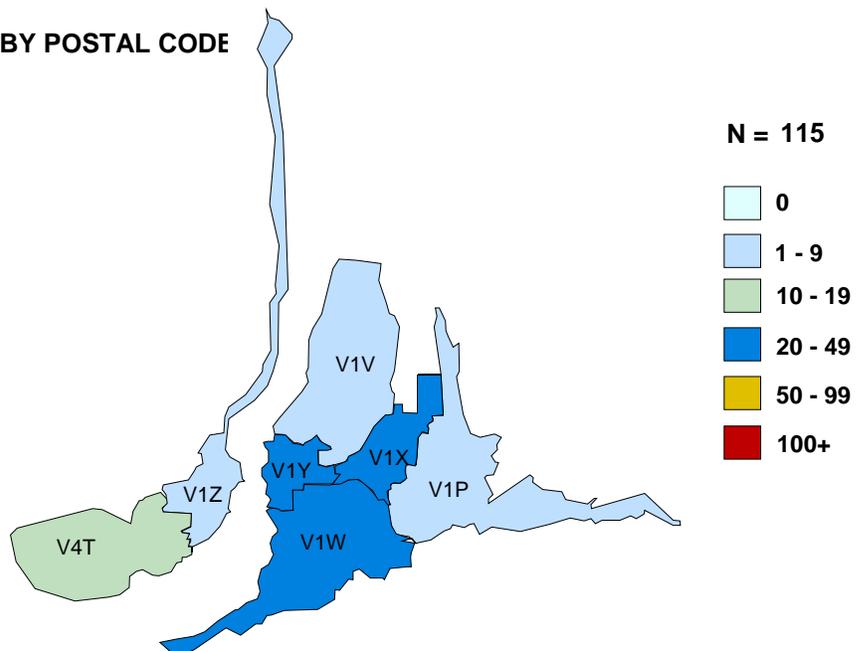
3.2 Distribution of HIV/AIDS Drug Treatment Program Active Participants

June 2016

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



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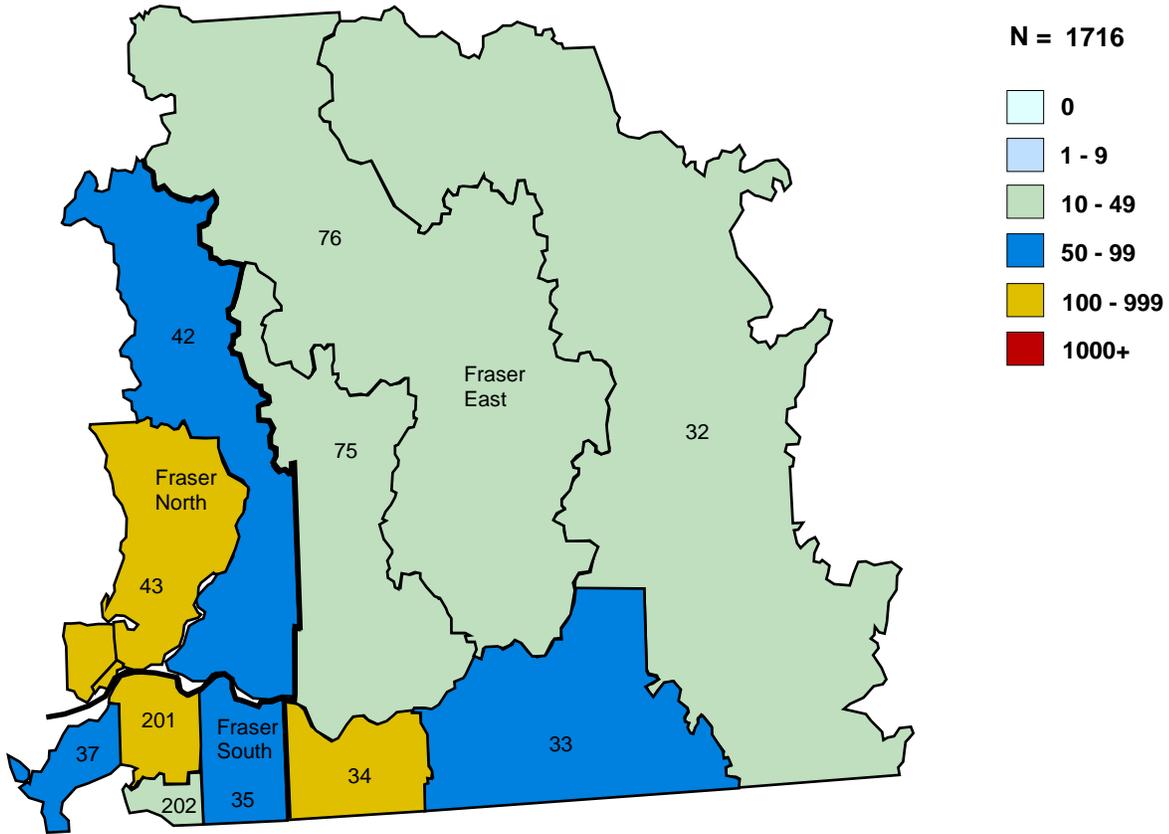




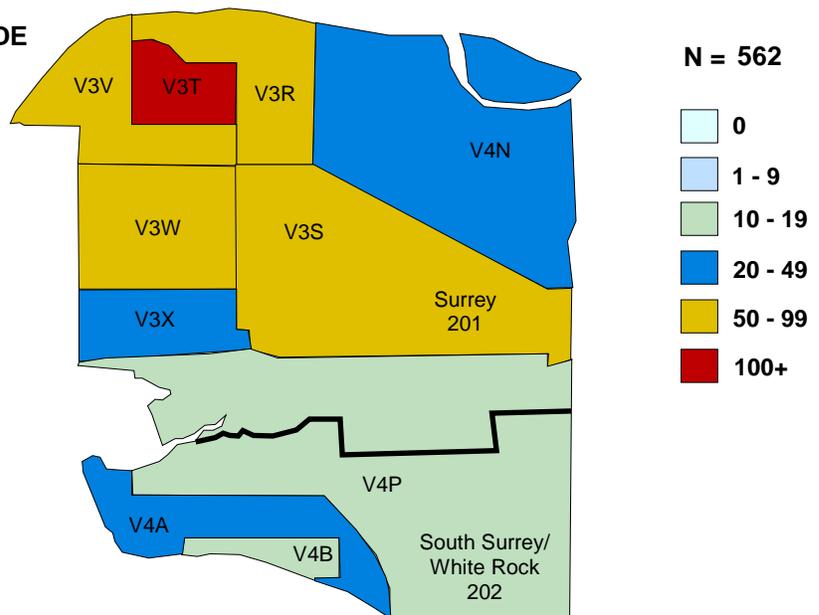
3.3 Distribution of HIV/AIDS Drug Treatment Program Active Participants

June 2016

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



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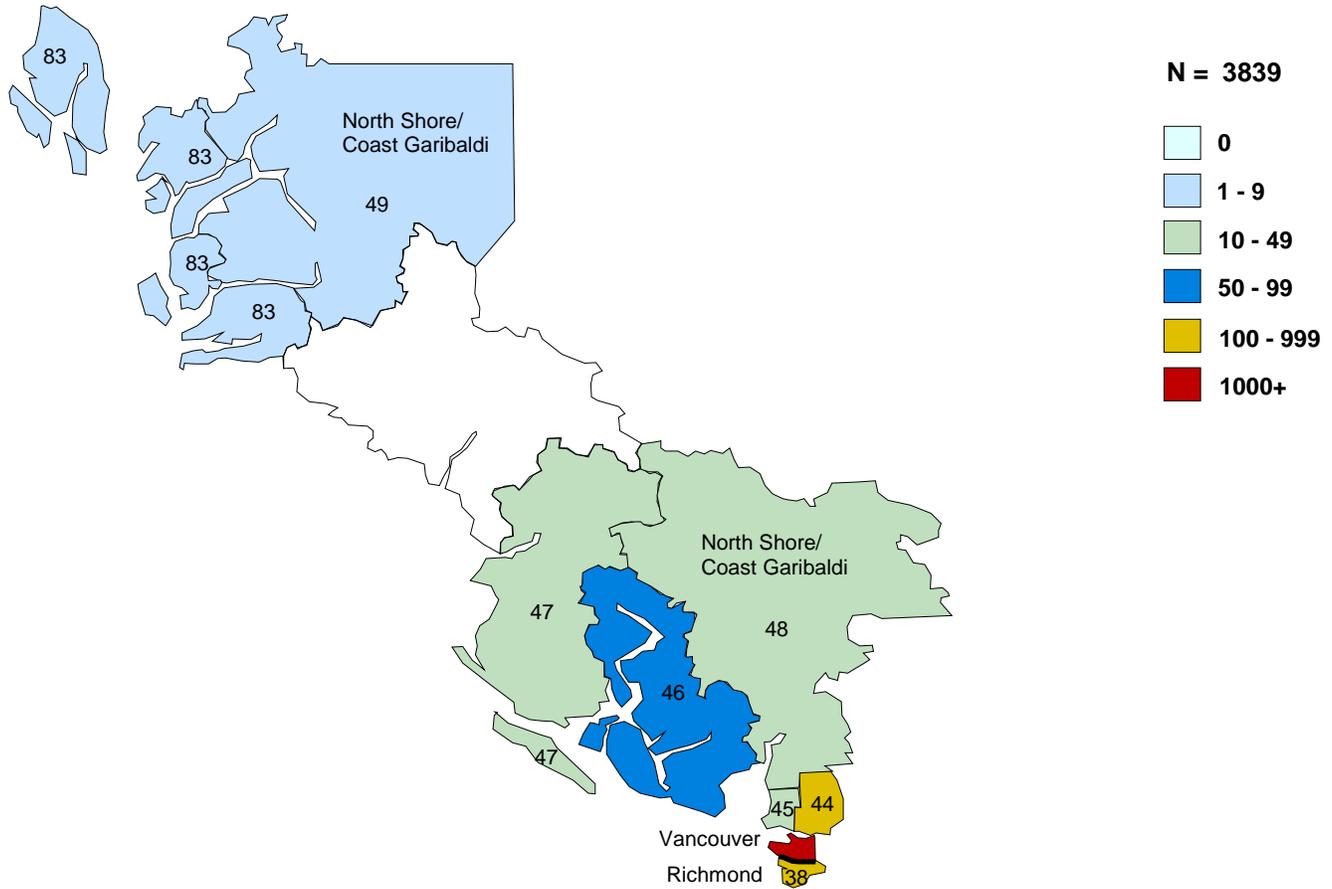




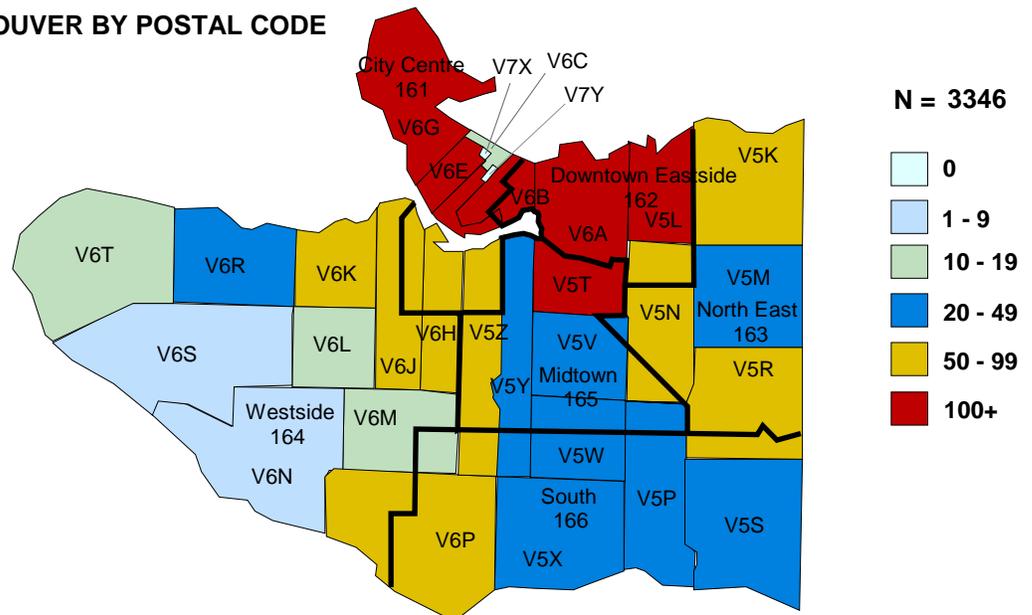
3.4 Distribution of HIV/AIDS Drug Treatment Program Active Participants

June 2016

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



VANCOUVER BY POSTAL CODE

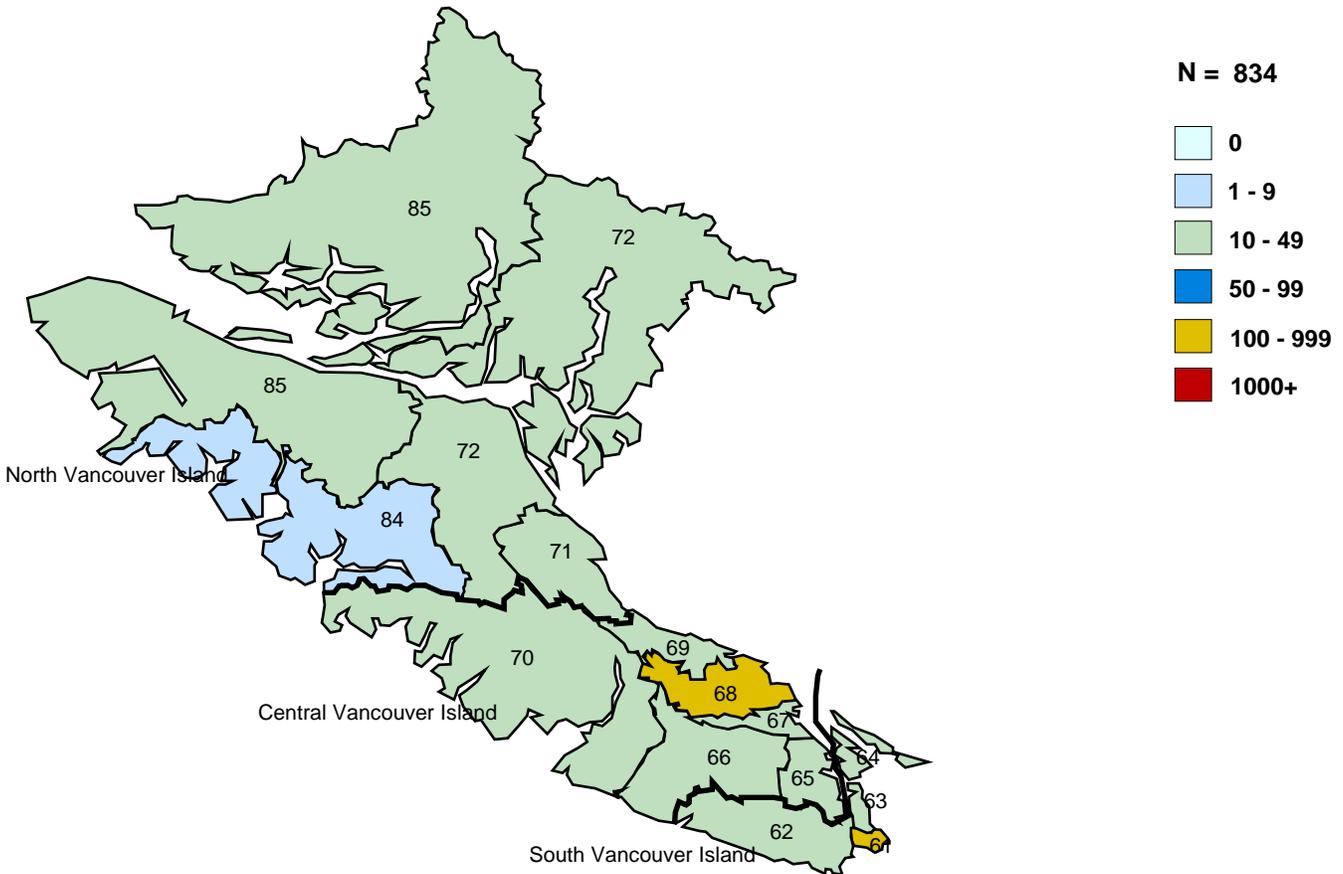




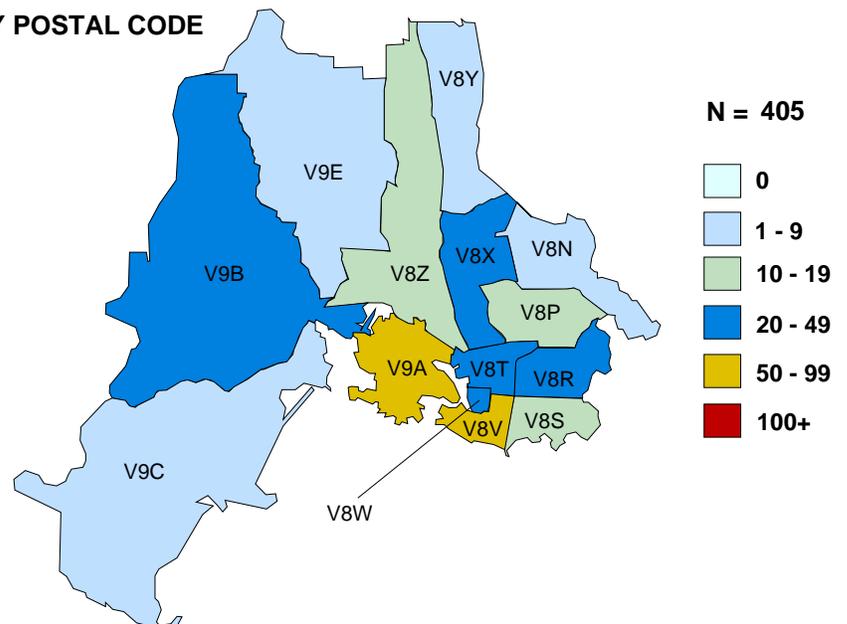
3.5 Distribution of HIV/AIDS Drug Treatment Program Active Participants

June 2016

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



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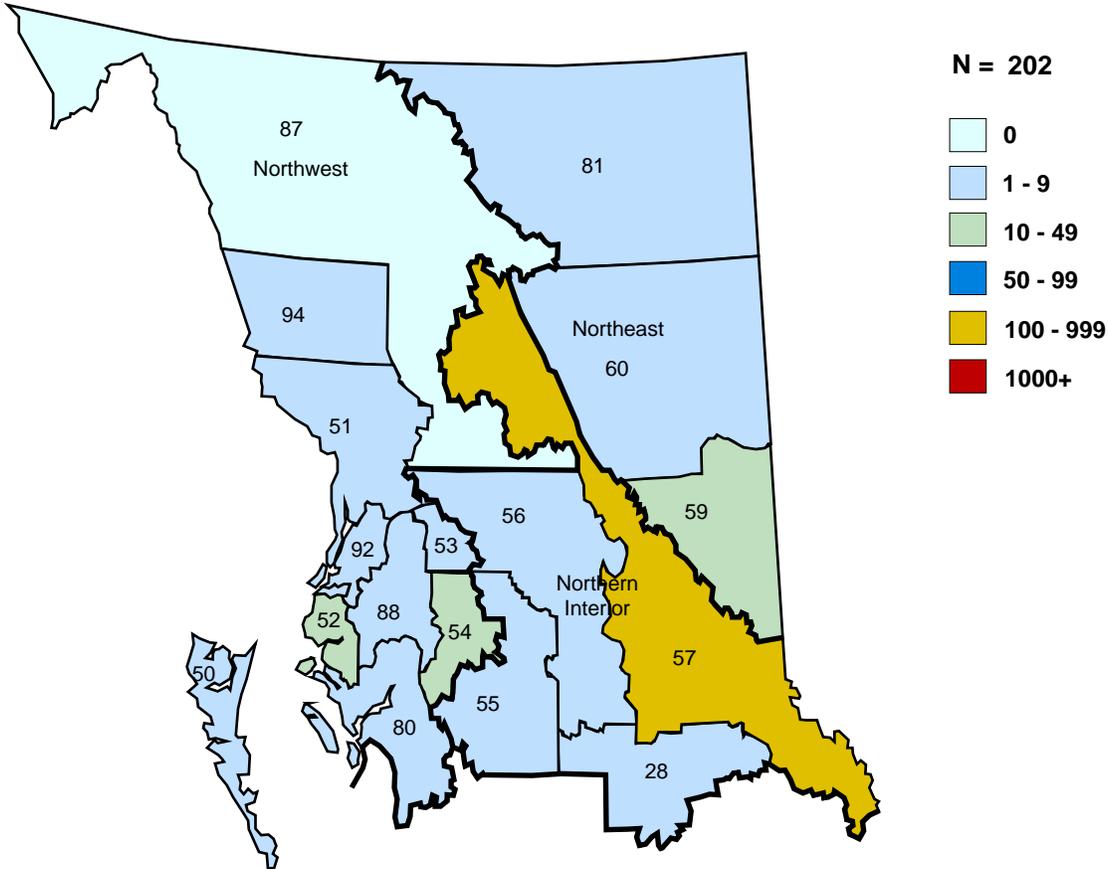




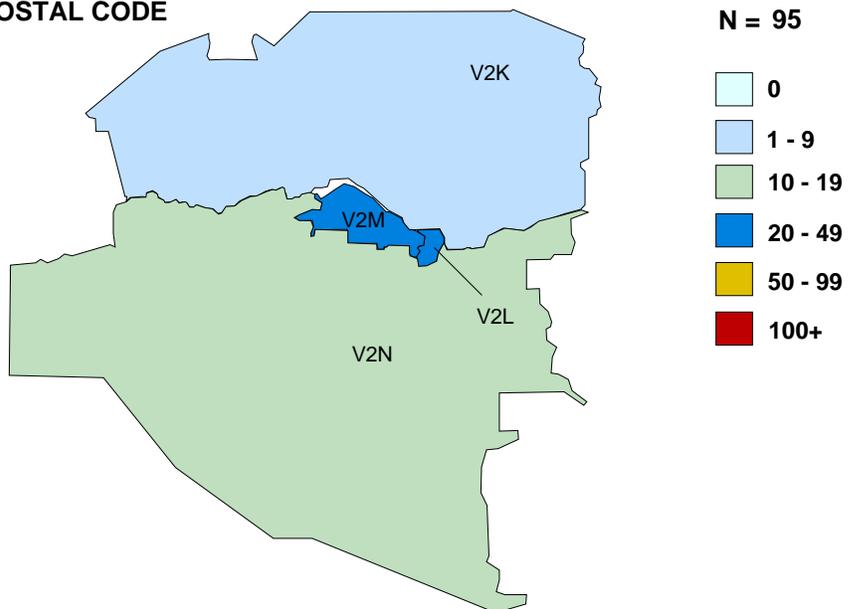
3.6 Distribution of HIV/AIDS Drug Treatment Program Active Participants

June 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:	70	91	52	
OKANAGAN	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	324	428	246	
THOMPSON/CARIBOO/ SHUSWAP	0-19	5	5	0
	20-34	21	21	14
	35-49	60	68	45
	50+	97	143	78
Total HSDA:	183	237	137	
Total HA:		611	803	456

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	9	9	*
	20-34	51	52	*
	35-49	179	209	*
	50+	372	533	*
Total HA:		611	803	456

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	475	636	361
Female	136	167	95

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	456	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	35	24
	5 years or more	22	17
	<5 years	13	11
	Total HSDA:	70	52
OKANAGAN	10 years or more	173	123
	5 years or more	73	58
	<5 years	78	65
	Total HSDA:	324	246
THOMPSON/CARIBOO/ SHUSWAP	10 years or more	90	59
	5 years or more	42	35
	<5 years	51	43
	Total HSDA:	183	137
Total HA:		611	456

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	315	216
	5 years or more	143	115
	<5 years	153	125
Total HA:		611	456

* 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	13	23
KOOTENAY BOUNDARY	63	111	25	41
OKANAGAN	196	677	64	244
THOMPSON/CARIBOO/SHUSWAP	126	418	41	110
Total:	421	1258	143	418

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
EAST KOOTENAY	0
KOOTENAY BOUNDARY	12
OKANAGAN	38
THOMPSON/CARIBOO/SHUSWAP	40
Total:	90

* 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	30	31	24
	35-49	105	114	77
	50+	179	241	142
	Total HSDA:		321	393
FRASER NORTH	0-19	19	19	*
	20-34	104	105	*
	35-49	351	399	*
	50+	469	733	*
	Total HSDA:		943	1256
FRASER SOUTH	0-19	10	10	6
	20-34	103	105	80
	35-49	352	404	290
	50+	429	634	356
	Total HSDA:		894	1153
Total HA:		2158	2802	1716

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	36	36	16
	20-34	237	241	187
	35-49	808	917	625
	50+	1077	1608	888
Total HA:		2158	2802	1716

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	1634	2152	1333
Female	524	650	383

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	1716	50	600	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	115
	5 years or more	90	72
	<5 years	78	62
	Total HSDA:	321	249
FRASER NORTH	10 years or more	454	333
	5 years or more	244	199
	<5 years	245	203
	Total HSDA:	943	735
FRASER SOUTH	10 years or more	412	324
	5 years or more	245	203
	<5 years	237	205
	Total HSDA:	894	732
Total HA:		2158	1716

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	1019	772
	5 years or more	579	474
	<5 years	560	470
Total HA:		2158	1716

* 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	405	40	76
FRASER NORTH	229	1414	61	257
FRASER SOUTH	200	1185	42	334
Total:	556	3004	143	667

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
FRASER EAST	180
FRASER NORTH	611
FRASER SOUTH	495
Total:	1286

* 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	*	*	18
	35-49	*	*	73
	50+	*	*	180
	Total HSDA:		311	446
RICHMOND	0-19	5	5	*
	20-34	25	26	*
	35-49	47	50	*
	50+	79	118	*
	Total HSDA:		156	199
VANCOUVER	0-19	54	57	7
	20-34	399	405	318
	35-49	1566	1806	1162
	50+	2471	4105	1953
	Total HSDA:		4490	6373
Total HA:		4957	7018	3839

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	61	64	8
	20-34	443	450	357
	35-49	1702	1959	1276
	50+	2751	4545	2198
Total HA:		4957	7018	3839

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
	2	2	0
Male	4358	6172	3388
Female	597	844	451

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	3839	51	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)





**4.8 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	172	145
	5 years or more	56	51
	<5 years	83	75
	Total HSDA:	311	271
RICHMOND	10 years or more	70	54
	5 years or more	41	32
	<5 years	45	42
	Total HSDA:	156	128
VANCOUVER	10 years or more	2295	1665
	5 years or more	1163	906
	<5 years	1032	869
	Never on ART	0	0
	Total HSDA:	4490	3440
Total HA:	4957	3839	

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	2537	1864
5 years or more	1260	989
<5 years	1160	986
Never on ART	0	0
Total HA:	4957	3839

* 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	368	53	91
RICHMOND	42	263	14	94
VANCOUVER	541	9889	208	5269
Total:	725	10520	275	5454

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH SHORE/COAST GARIBALDI	*
RICHMOND	*
VANCOUVER	*
Total:	96

* 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:		283	394
NORTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		107	141
SOUTH VANCOUVER ISLAND	0-19	10	10	*
	20-34	47	49	*
	35-49	209	245	*
	50+	395	617	*
	Total HSDA:		661	921
Total HA:		1051	1456	834

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	14	14	6
	20-34	82	87	57
	35-49	330	381	264
	50+	625	974	507
Total HA:		1051	1456	834

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	848	1177	681
Female	203	279	153

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	834	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	134	103
	5 years or more	66	59
	<5 years	83	67
	Total HSDA:	283	229
NORTH VANCOUVER ISLAND	10 years or more	49	39
	5 years or more	28	24
	<5 years	30	23
	Total HSDA:	107	86
SOUTH VANCOUVER ISLAND	10 years or more	331	241
	5 years or more	168	134
	<5 years	162	144
	Total HSDA:	661	519
Total HA:		1051	834

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	514	383
	5 years or more	262	217
	<5 years	275	234
Total HA:		1051	834

* 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	172	739	80	198
NORTH VANCOUVER ISLAND	117	235	44	68
SOUTH VANCOUVER ISLAND	183	1548	50	523
Total:	472	2522	174	789

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
CENTRAL VANCOUVER ISLAND	48
NORTH VANCOUVER ISLAND	29
SOUTH VANCOUVER ISLAND	91
Total:	168

* 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	*	*	0
	20-34	*	*	0
	35-49	*	*	7
	50+	*	*	15
	Total HSDA:		39	47
NORTH WEST	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		63	95
NORTHERN INTERIOR	0-19	7	7	*
	20-34	28	30	*
	35-49	76	94	*
	50+	74	121	*
	Total HSDA:		185	252
Total HA:		287	394	202

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	9	9	*
	20-34	38	45	*
	35-49	114	146	*
	50+	126	194	*
Total HA:		287	394	202

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	178	247	129
Female	109	147	73

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	202	48	540	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	6
	5 years or more	15	8
	<5 years	10	8
	Total HSDA:	39	22
NORTH WEST	10 years or more	16	5
	5 years or more	28	23
	<5 years	19	14
	Total HSDA:	63	42
NORTHERN INTERIOR	10 years or more	55	31
	5 years or more	51	43
	<5 years	79	64
	Total HSDA:	185	138
Total HA:		287	202

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	85	42
	5 years or more	94	74
	<5 years	108	86
Total HA:		287	202

* 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	58	9	11
NORTH WEST	63	141	17	24
NORTHERN INTERIOR	102	398	25	182
Total:	197	597	51	217

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH EAST	6
NORTH WEST	14
NORTHERN INTERIOR	19
Total:	39

* 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	*	6	*
	OKANAGAN	*	29	*
	THOMPSON/CARIBOO/SHUSWAP	*	37	*
	Total HA:	46	82	33
FRASER	FRASER EAST	30	38	26
	FRASER NORTH	57	88	41
	FRASER SOUTH	72	99	60
	Total HA:	159	225	127
VANCOUVER COASTAL	NORTH SHORE/COAST GARIBALDI	22	42	20
	RICHMOND	7	12	6
	VANCOUVER	510	792	427
	Total HA:	539	846	453
VANCOUVER ISLAND	CENTRAL VANCOUVER ISLAND	51	76	39
	NORTH VANCOUVER ISLAND	13	22	11
	SOUTH VANCOUVER ISLAND	35	72	26
	Total HA:	99	170	76
NORTHERN	NORTH EAST	9	11	5
	NORTH WEST	31	54	23
	NORTHERN INTERIOR	65	97	56
	Total HA:	105	162	84
Total:		948	1485	773

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	595	952	479
Female	353	533	294

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total:	773	49	470	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.

