



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS

B.C. HIV/AIDS Drug Treatment Program

Monthly Report

October 2017





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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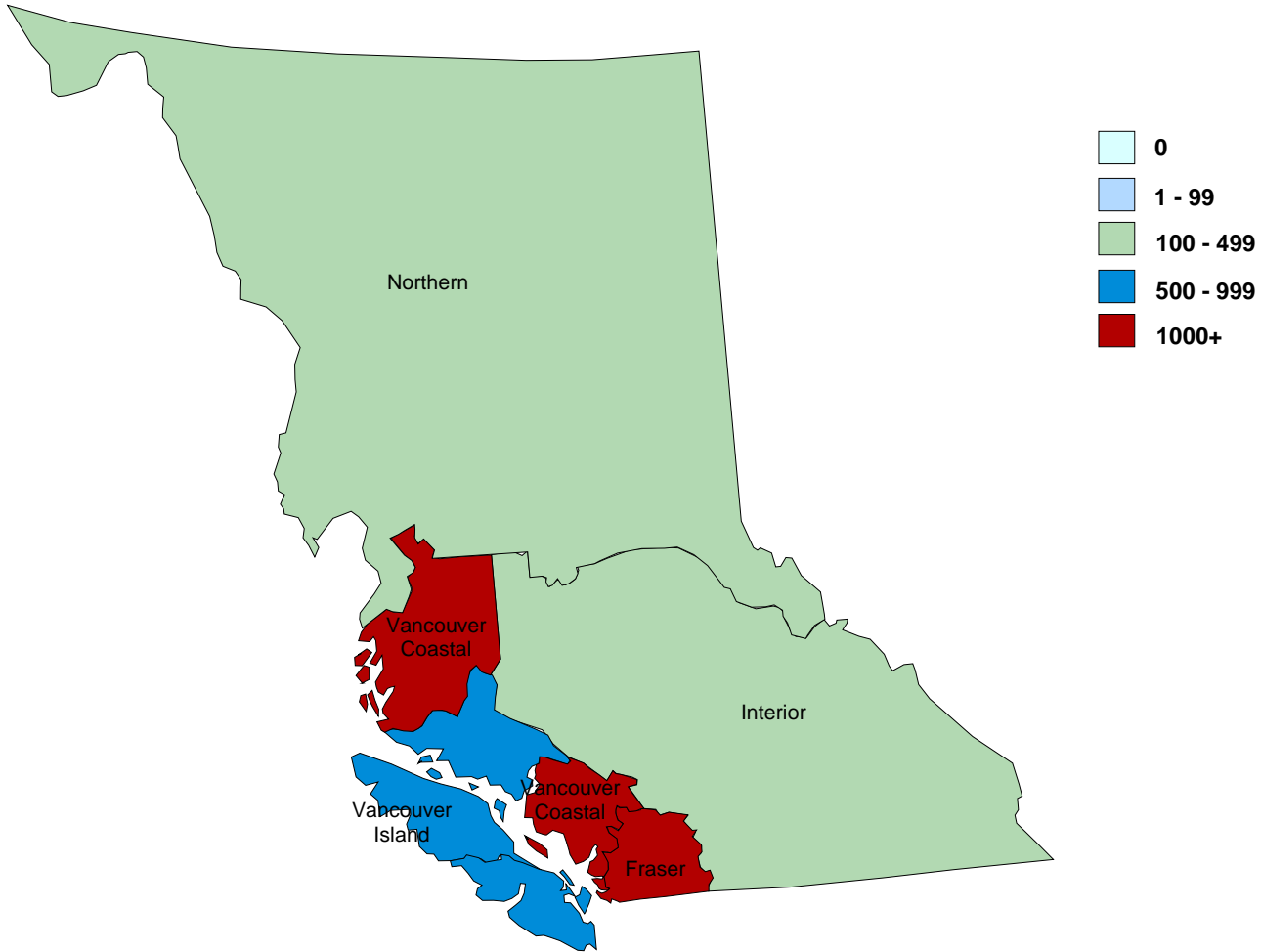




1.1 Distribution of men and women on antiretroviral therapy in British Columbia by Health Authority

October 2017

N = 7251



Health Authority	Male	Female	All
FRASER	1391	397	1788
INTERIOR	379	101	480
NORTHERN	134	81	215
VANCOUVER COASTAL	3408	450	3858
VANCOUVER ISLAND	724	157	881
	6036	1186	7222
		Unknown/not stated:	29
		Total:	7251

Definitions:

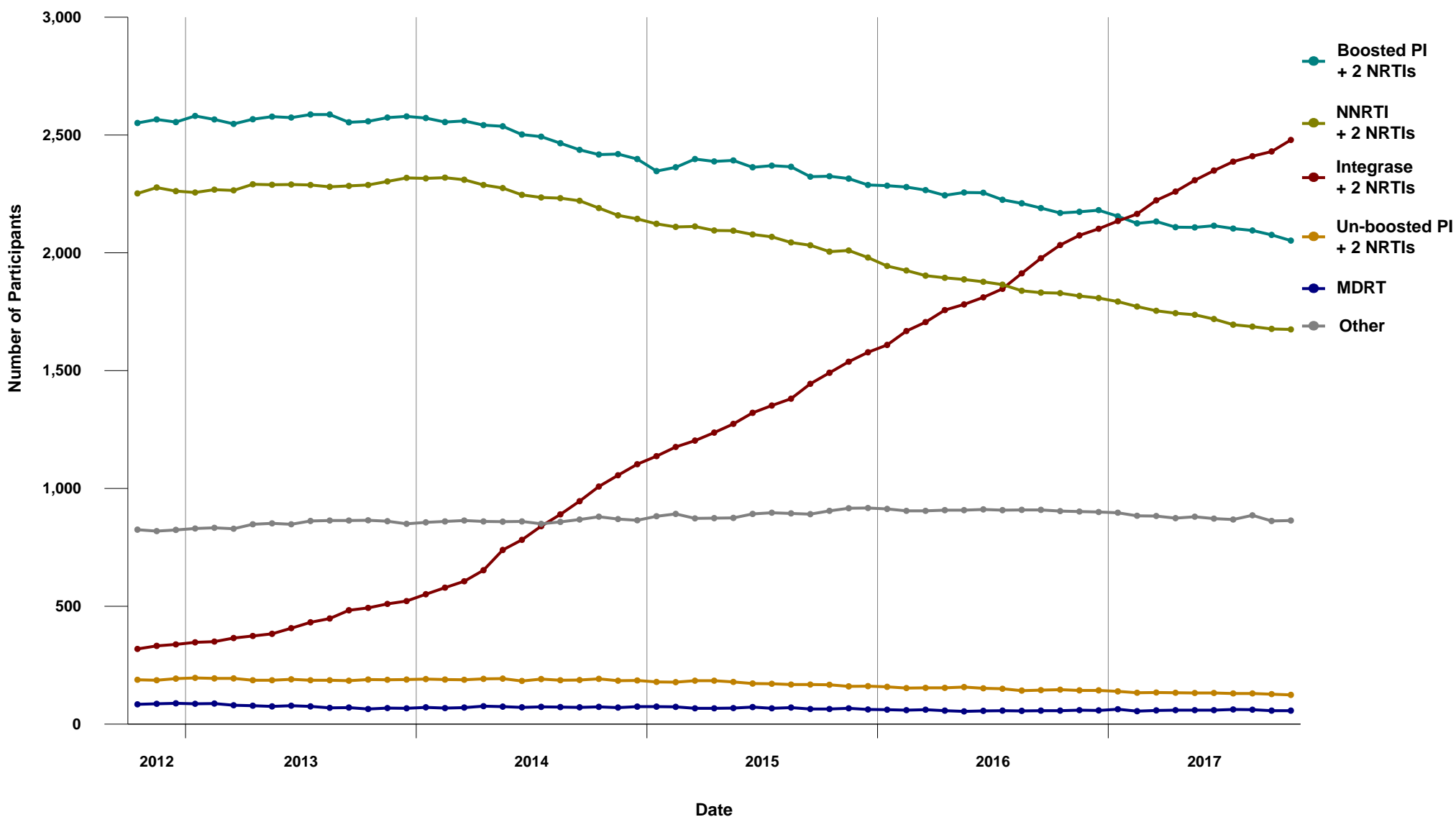
On antiretroviral therapy defined as being on treatment in the current month

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



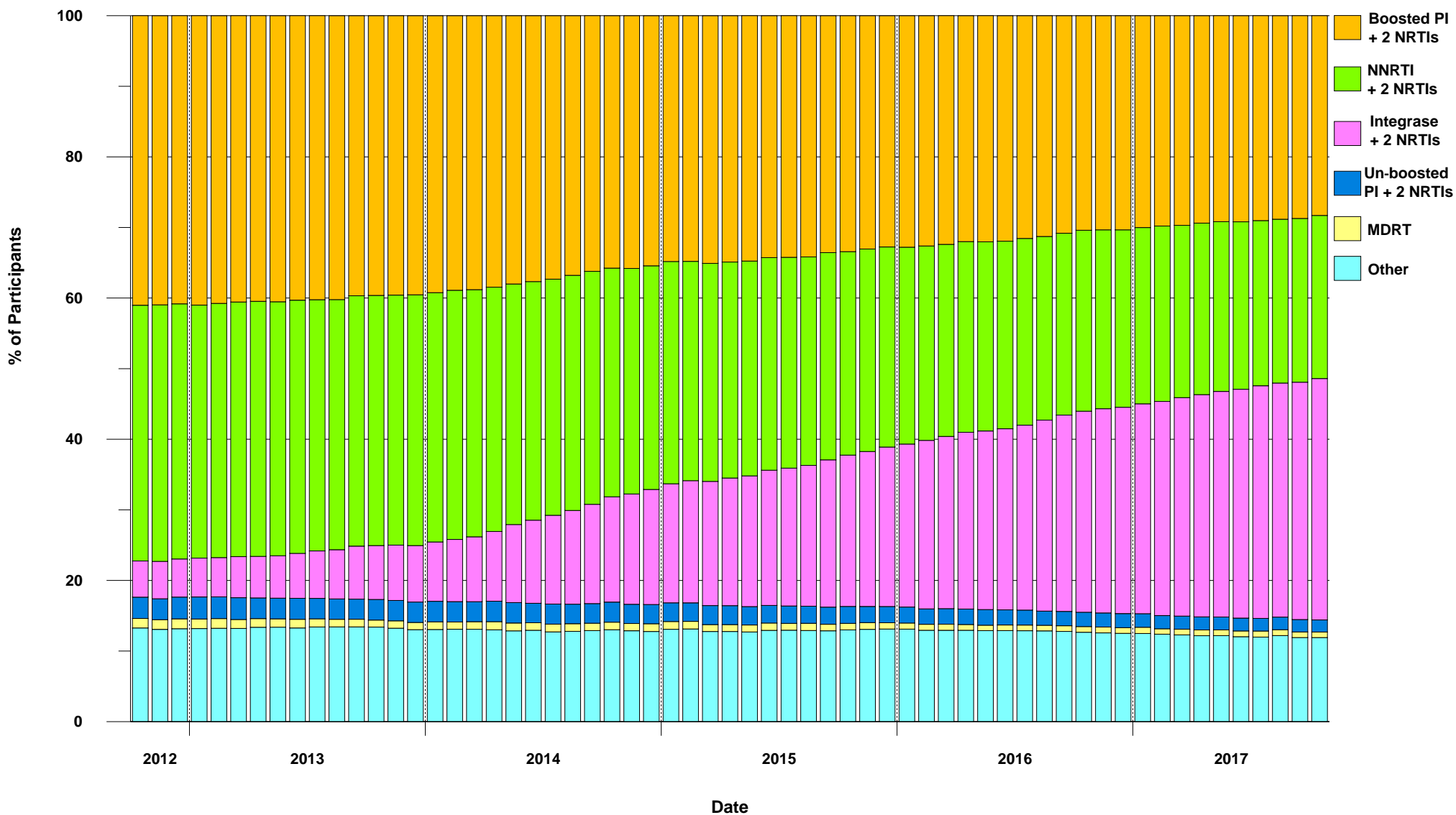


1.2 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (October 2012 - October 2017)



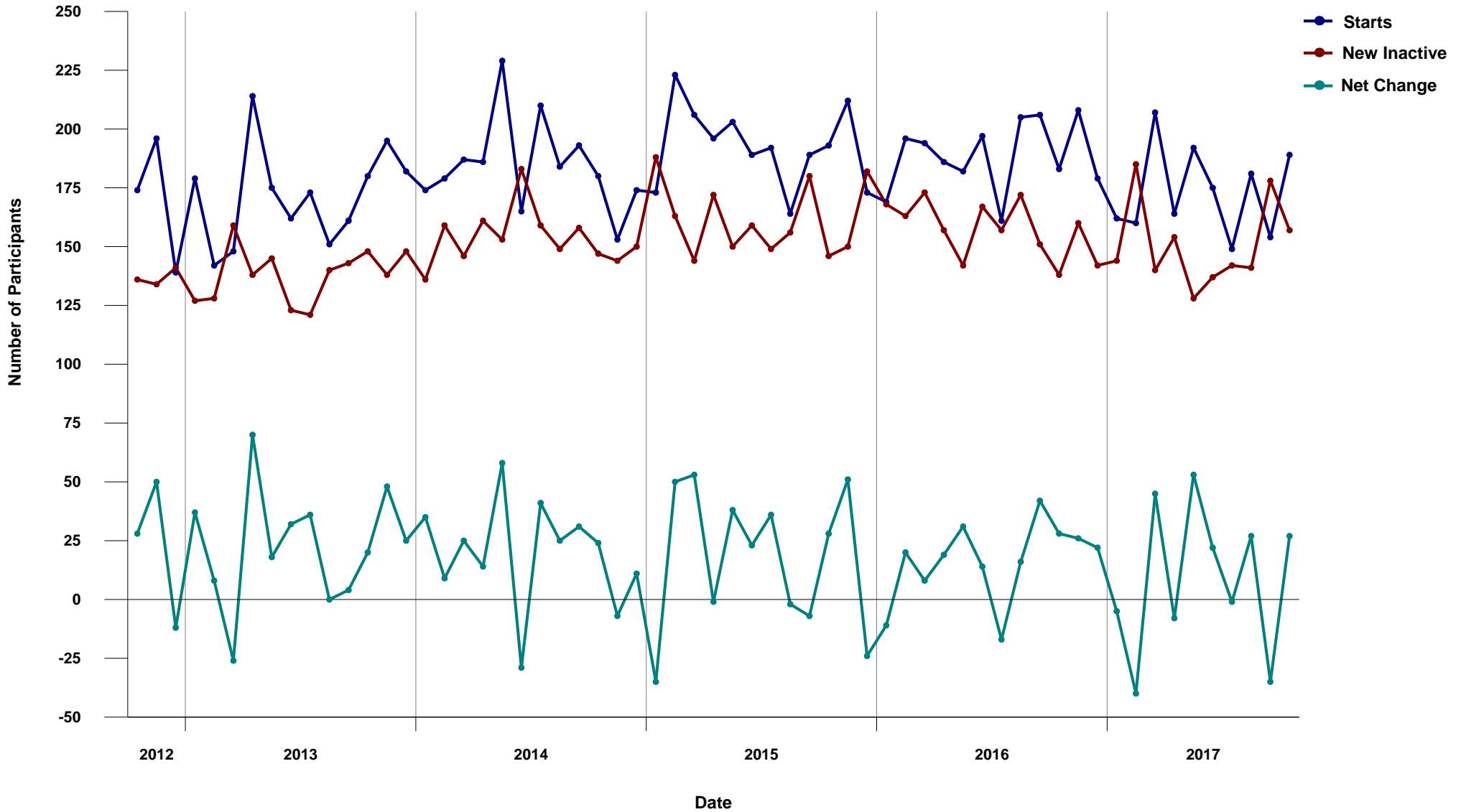


1.3 Percent Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (October 2012 - October 2017)



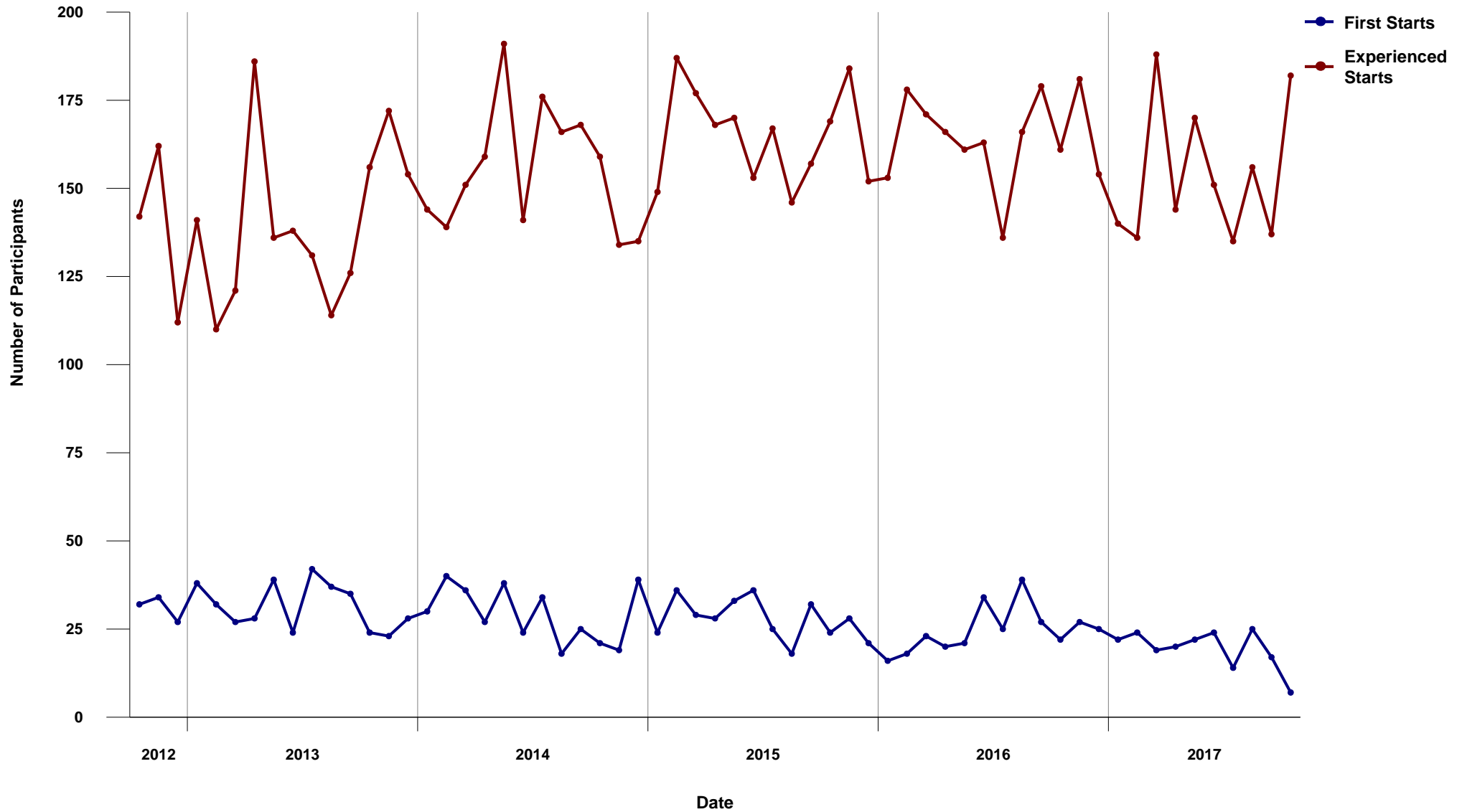


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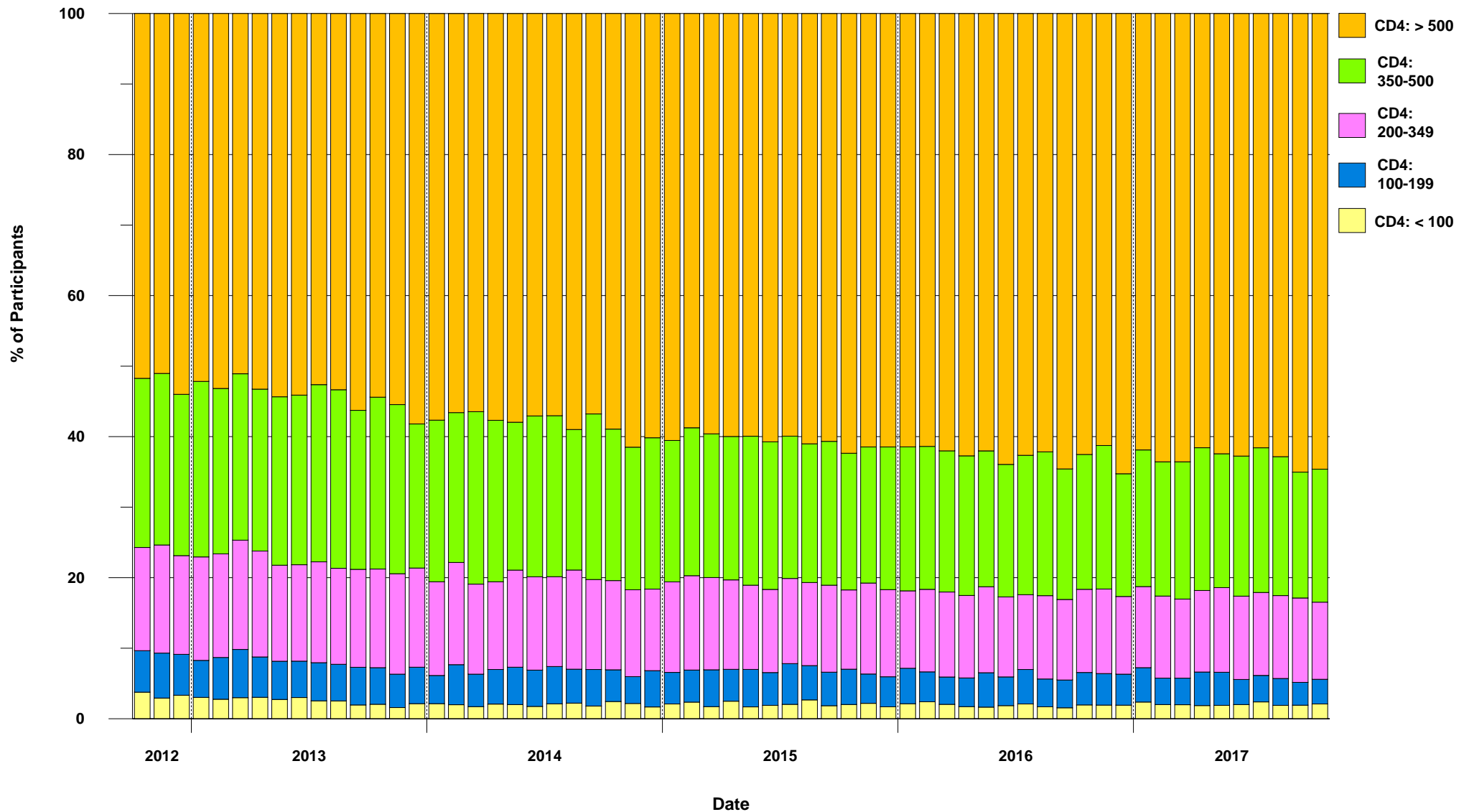


1.5 BC-CfE Enrollment: New Antiretroviral Participants (October 2012 - October 2017)



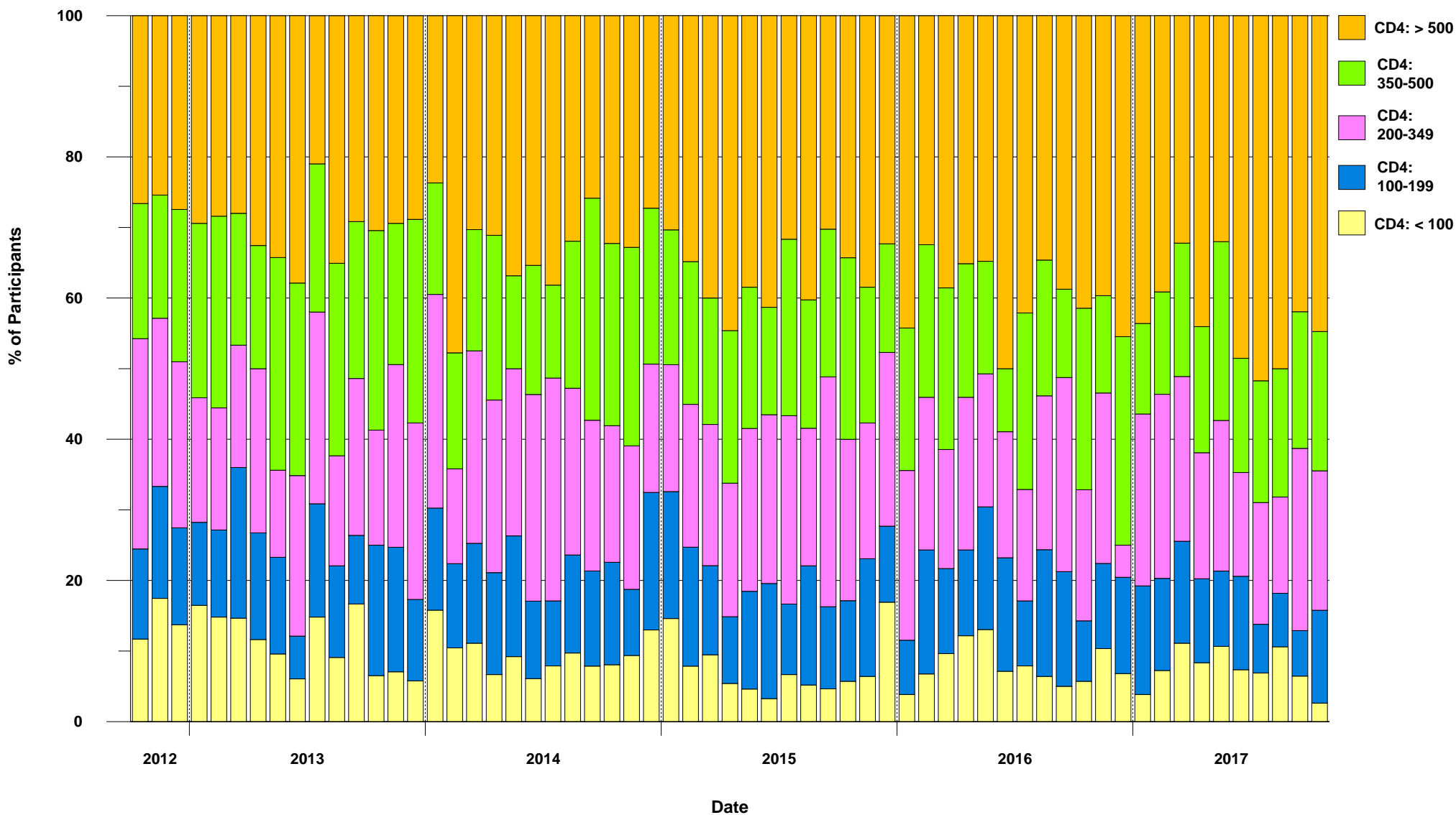


1.6 Percent Distribution of Active Participants by CD4 Count (October 2012 - October 2017)



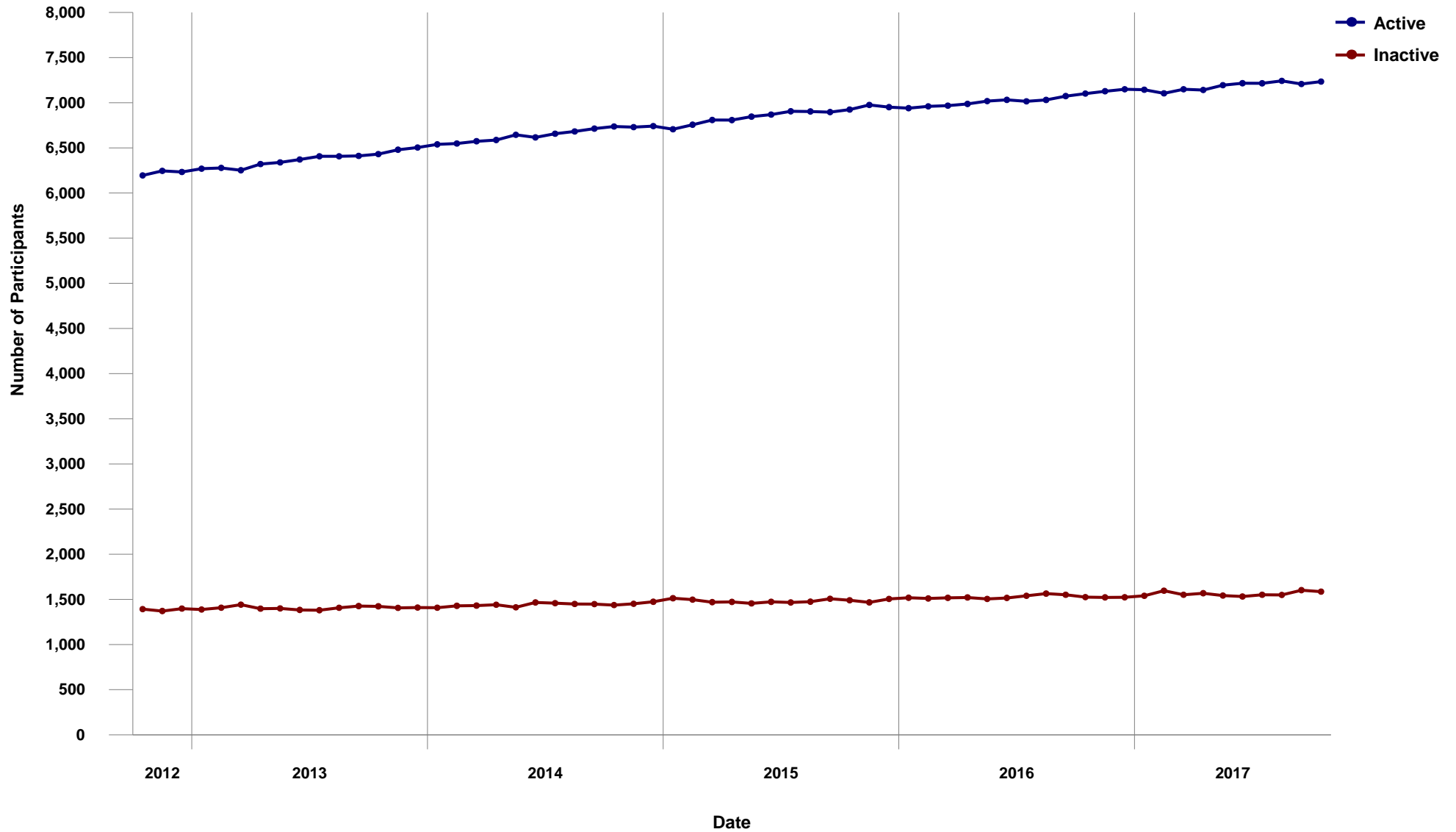


1.7 Percent Distribution of Inactive Participants by CD4 Count (October 2012 - October 2017)



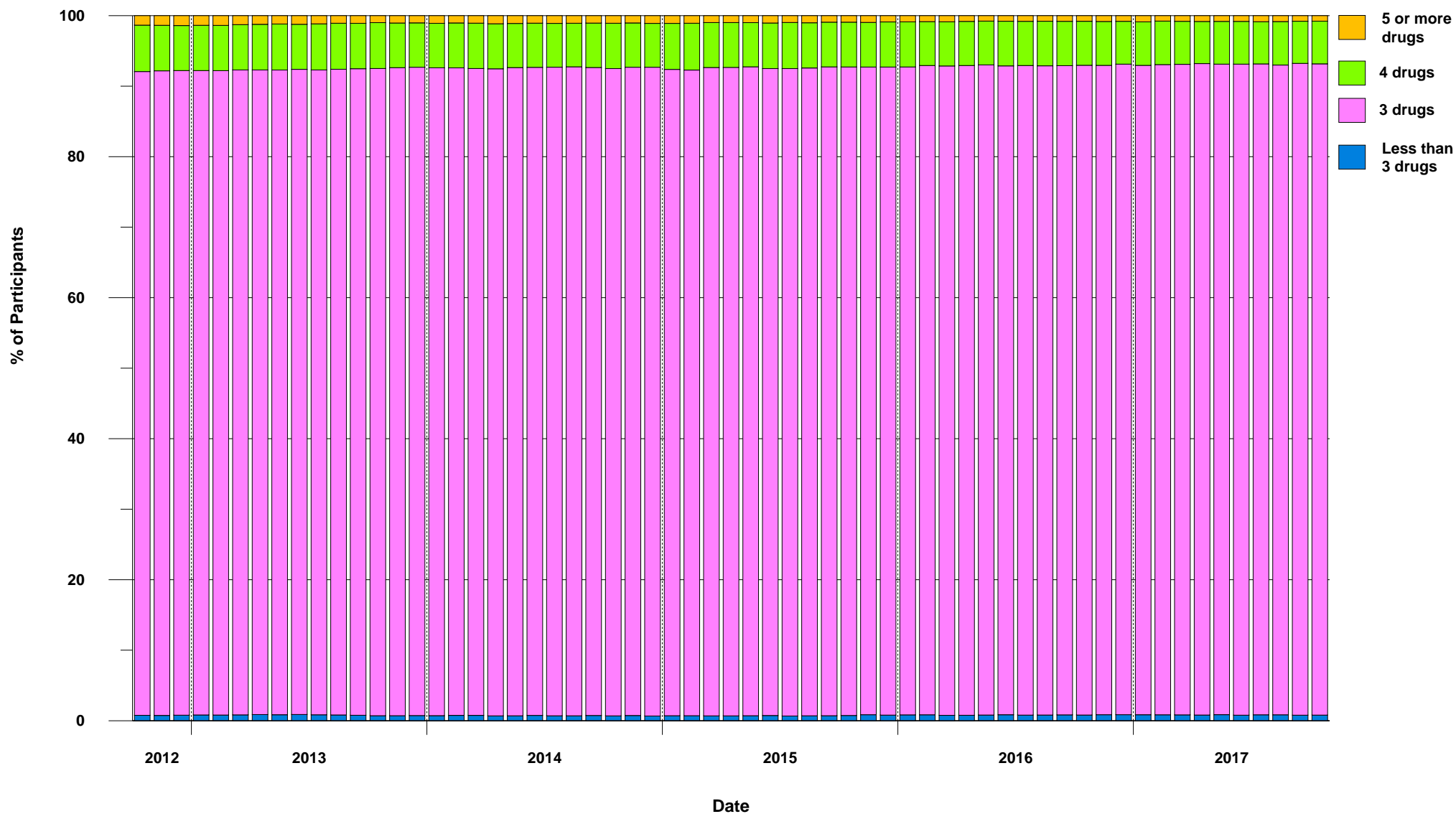


1.8 Active and Inactive Participants (October 2012 - October 2017)



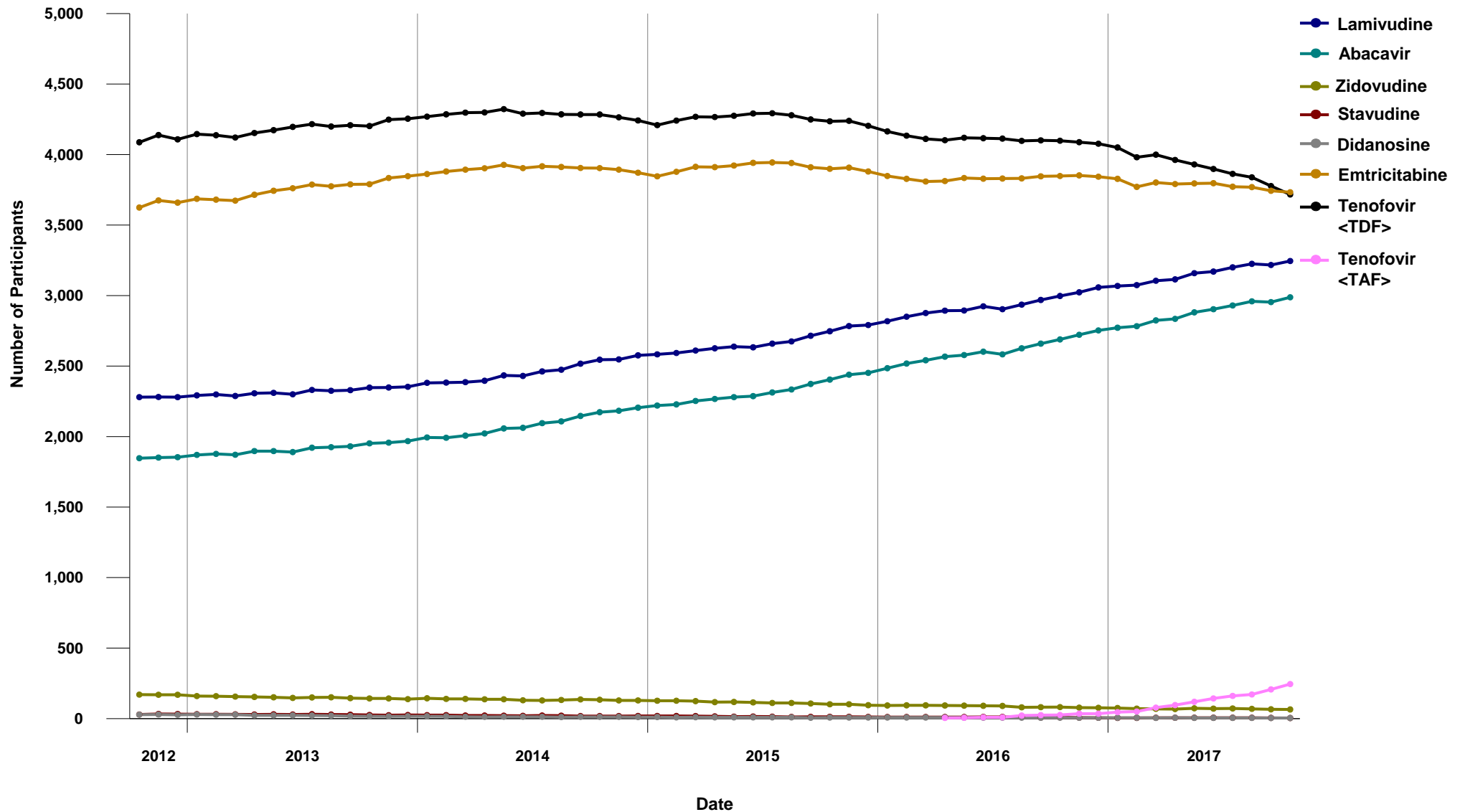


1.9 Percent Distribution of Participants on ARV Therapy by Number of Drugs (October 2012 - October 2017)





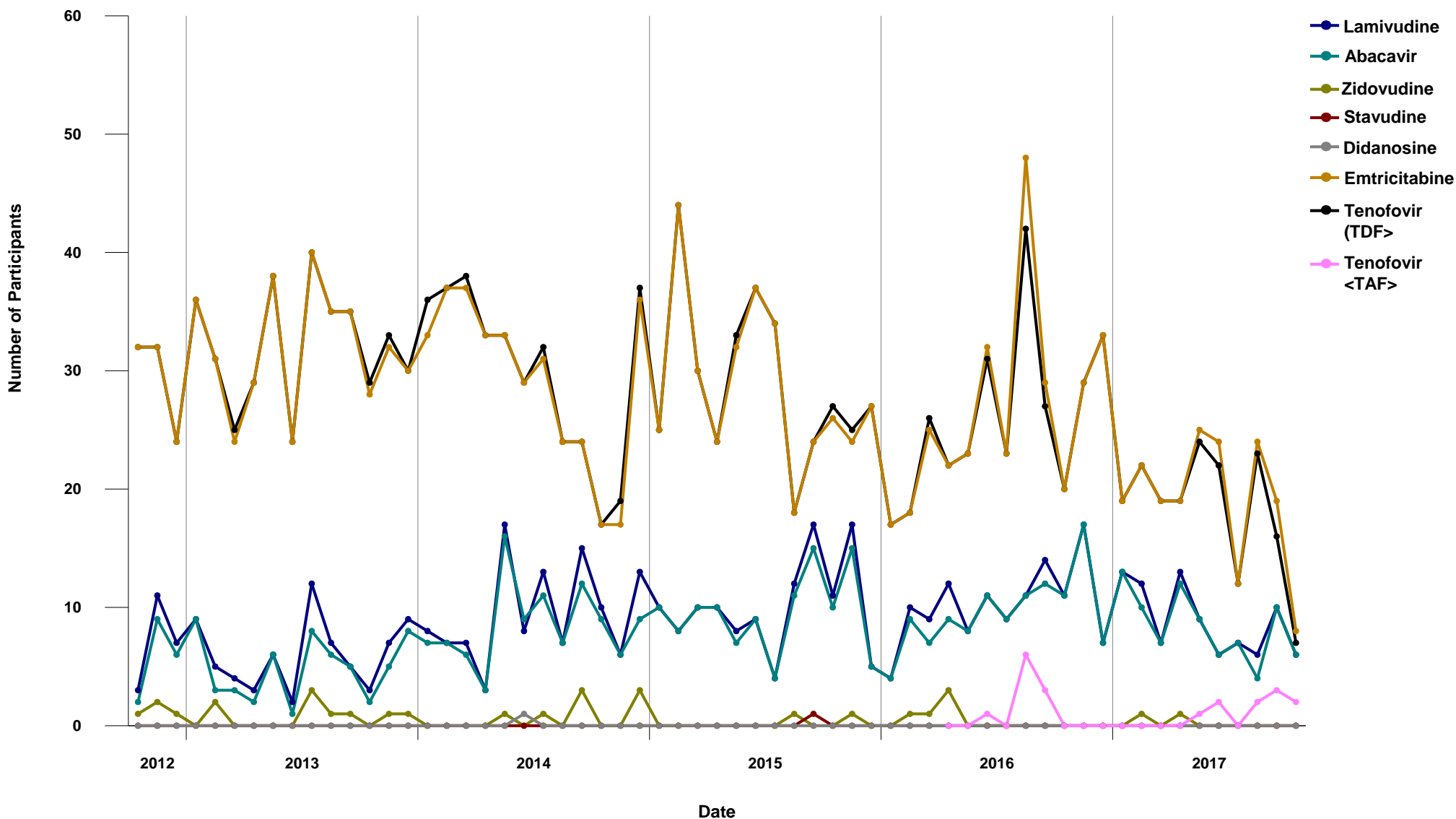
1.10 Distribution of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT (October 2012 - October 2017)





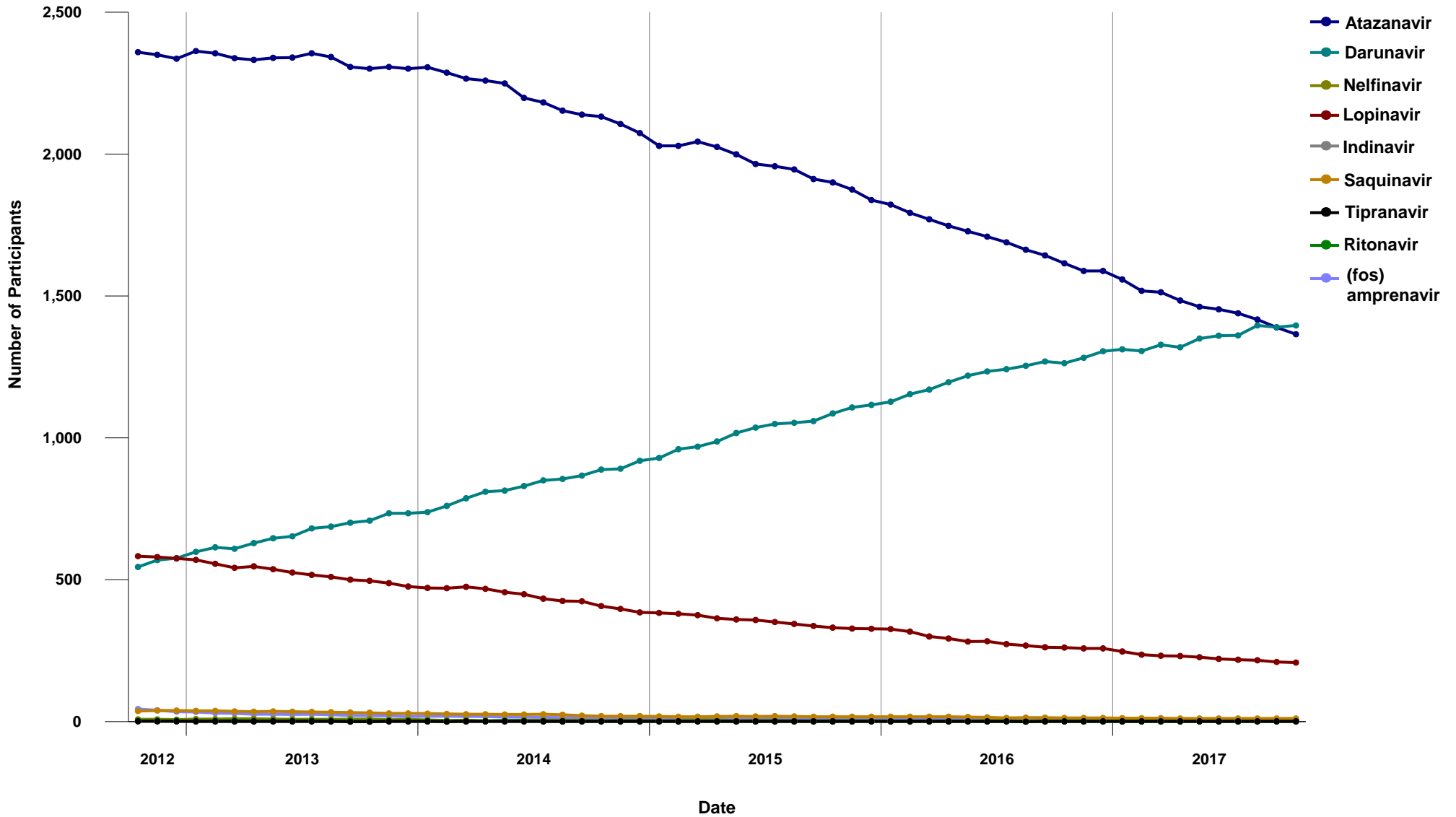
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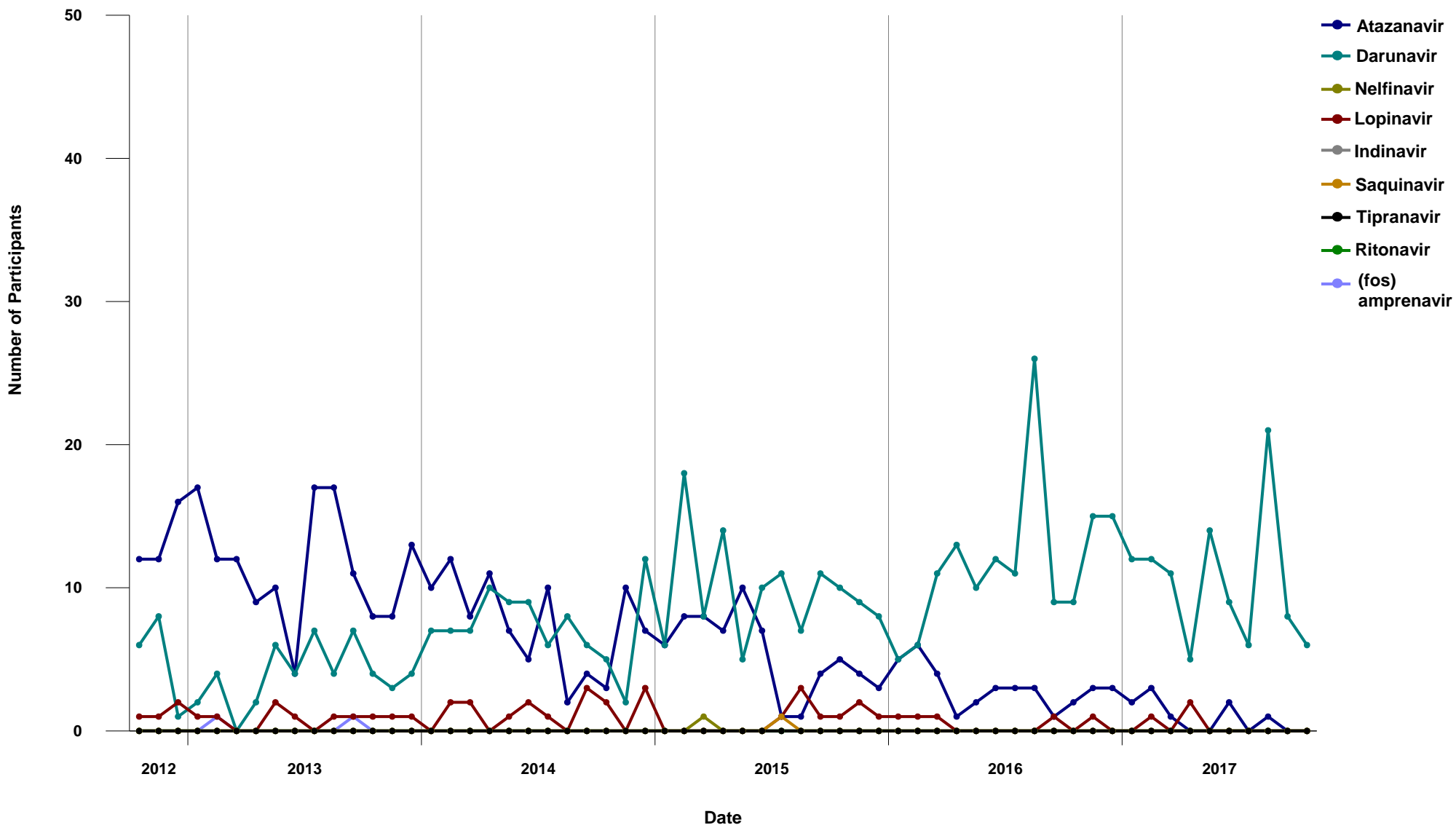
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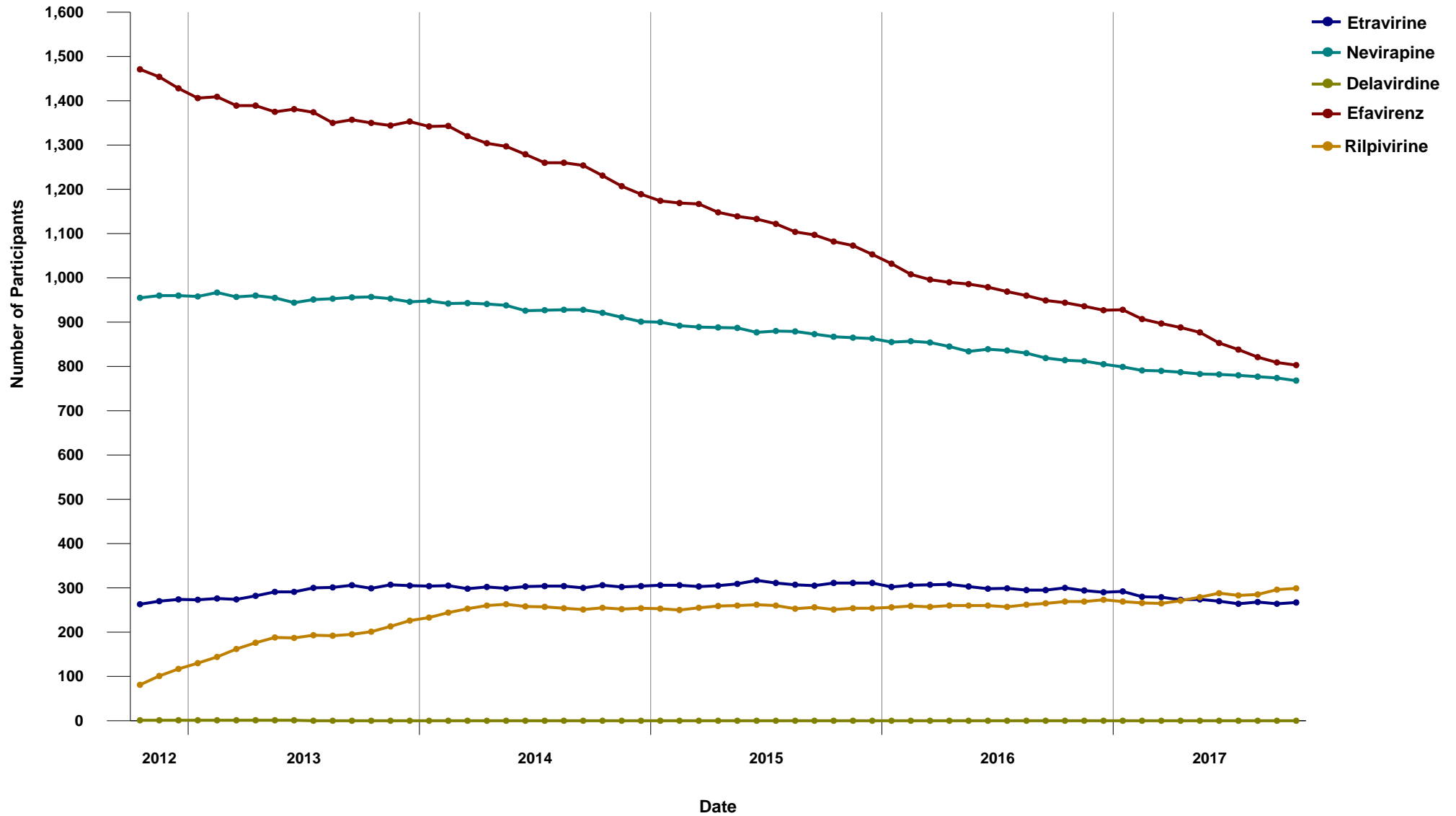
1.13 Distribution of Participants on Protease Inhibitor at the time of first start of ARV Therapy by INGREDIENT

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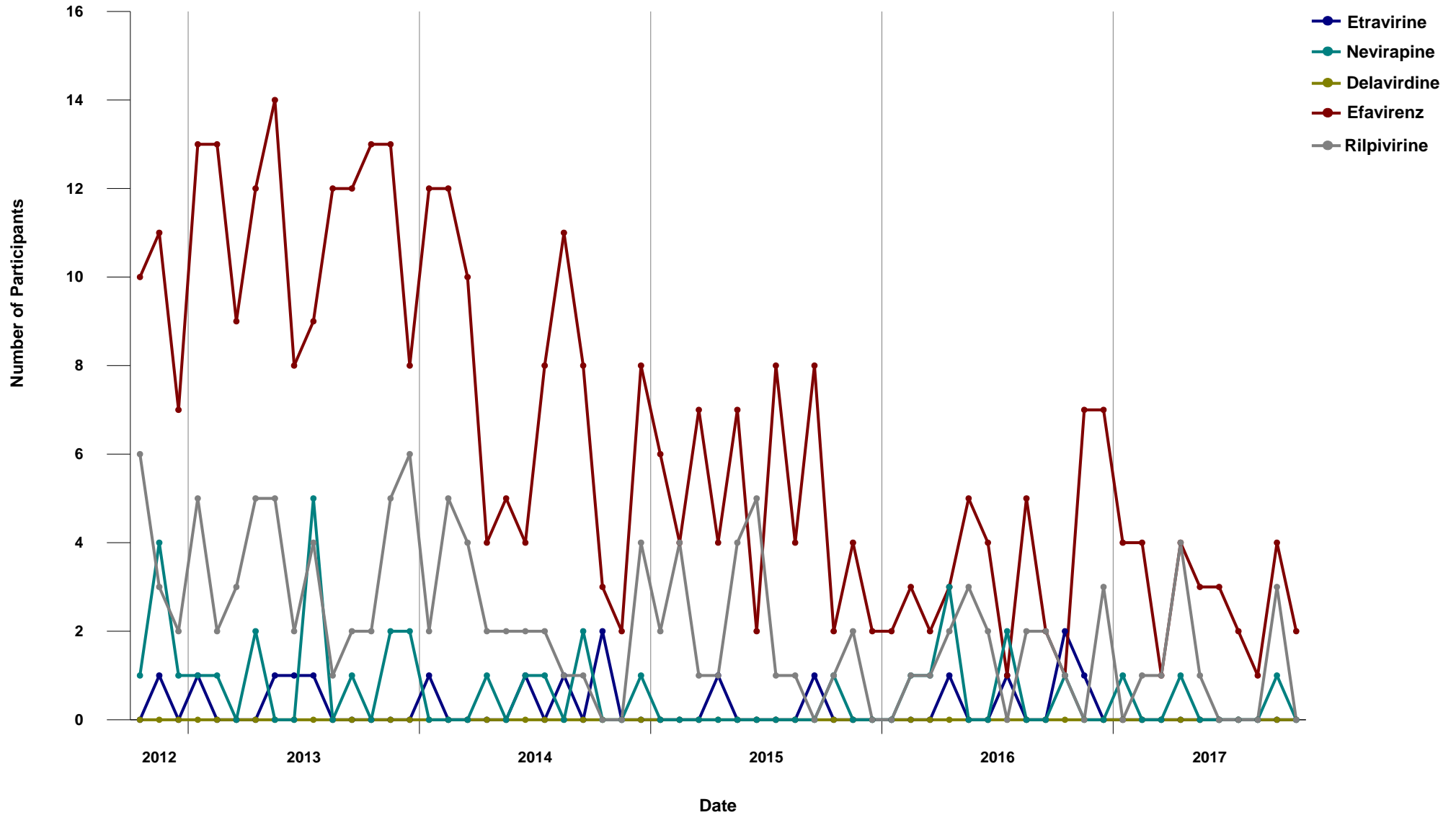
1.14 Distribution of Participants on Non-Nucleosides by INGREDIENT (October 2012 - October 2017)





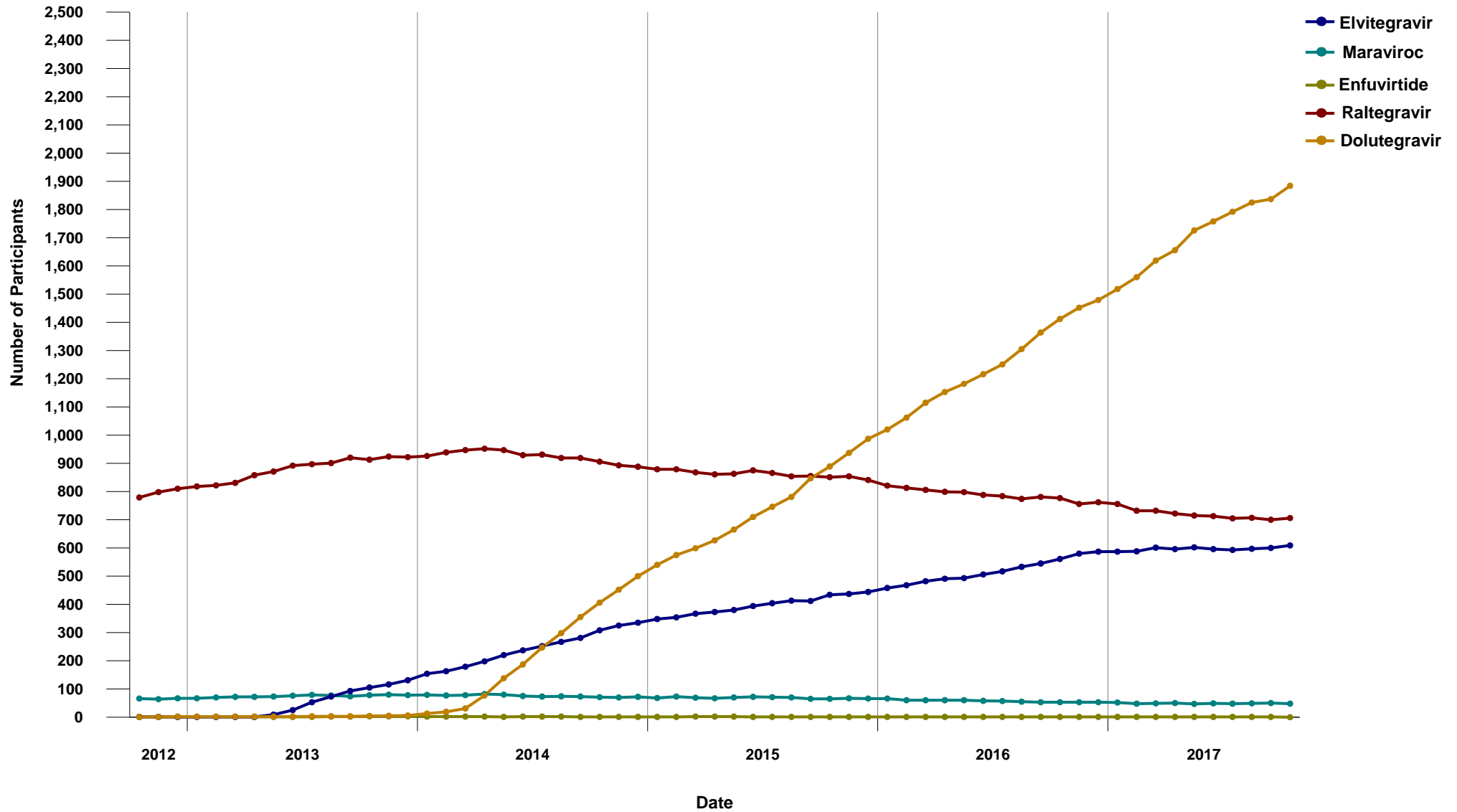
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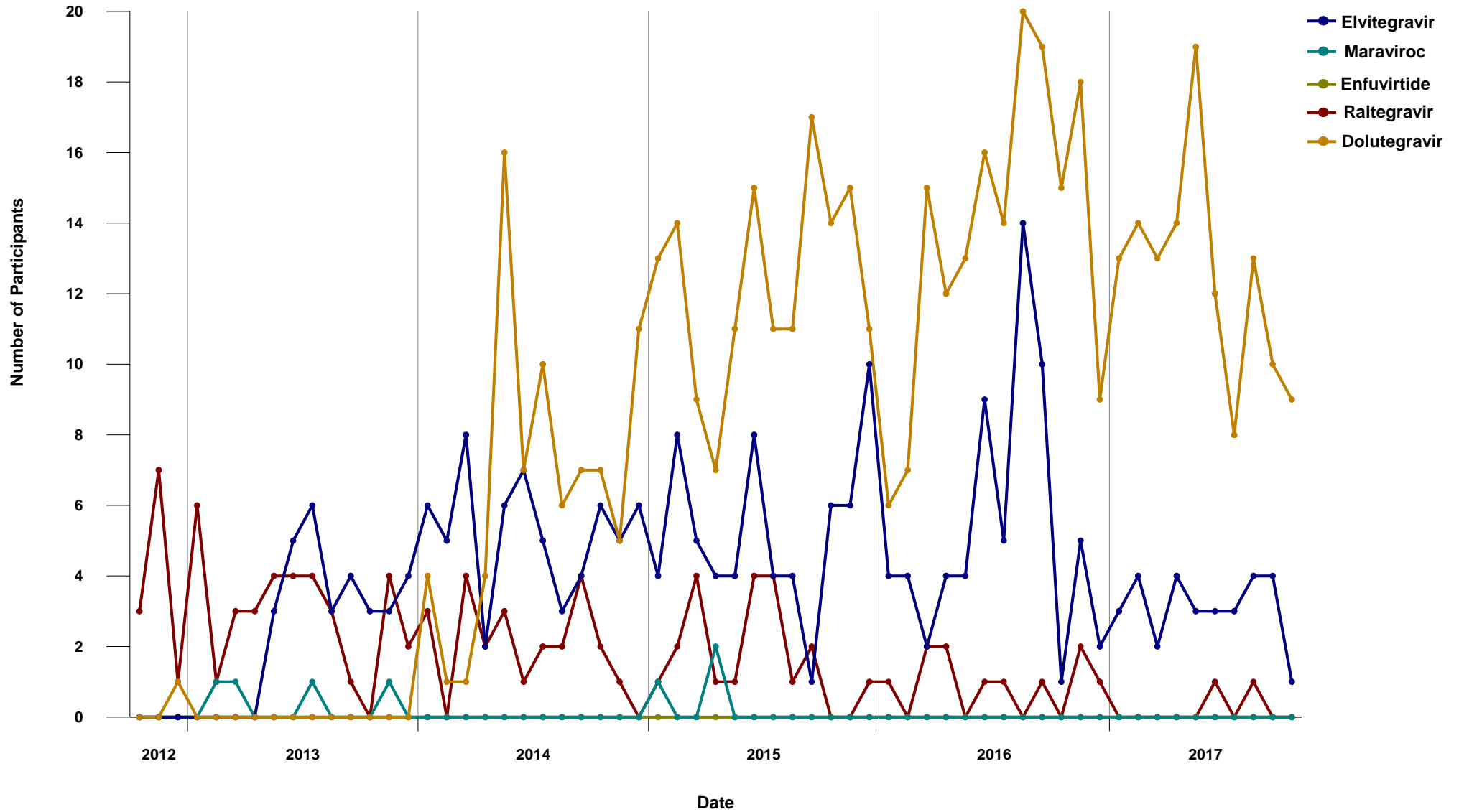
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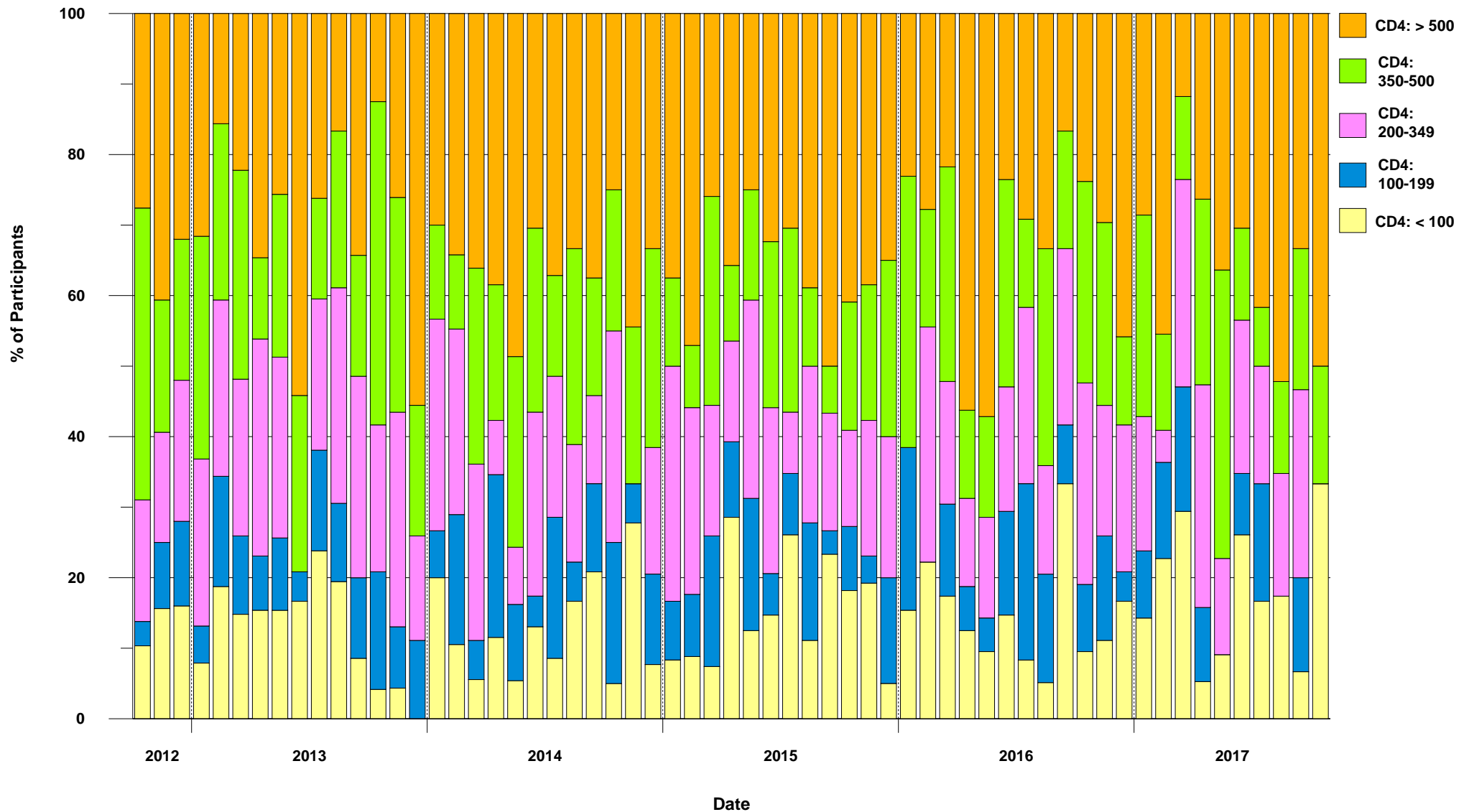
1.17 Distribution of Participants on Entry/Integrase Inhibitors at the time of first start of ARV Therapy by INGREDIENT

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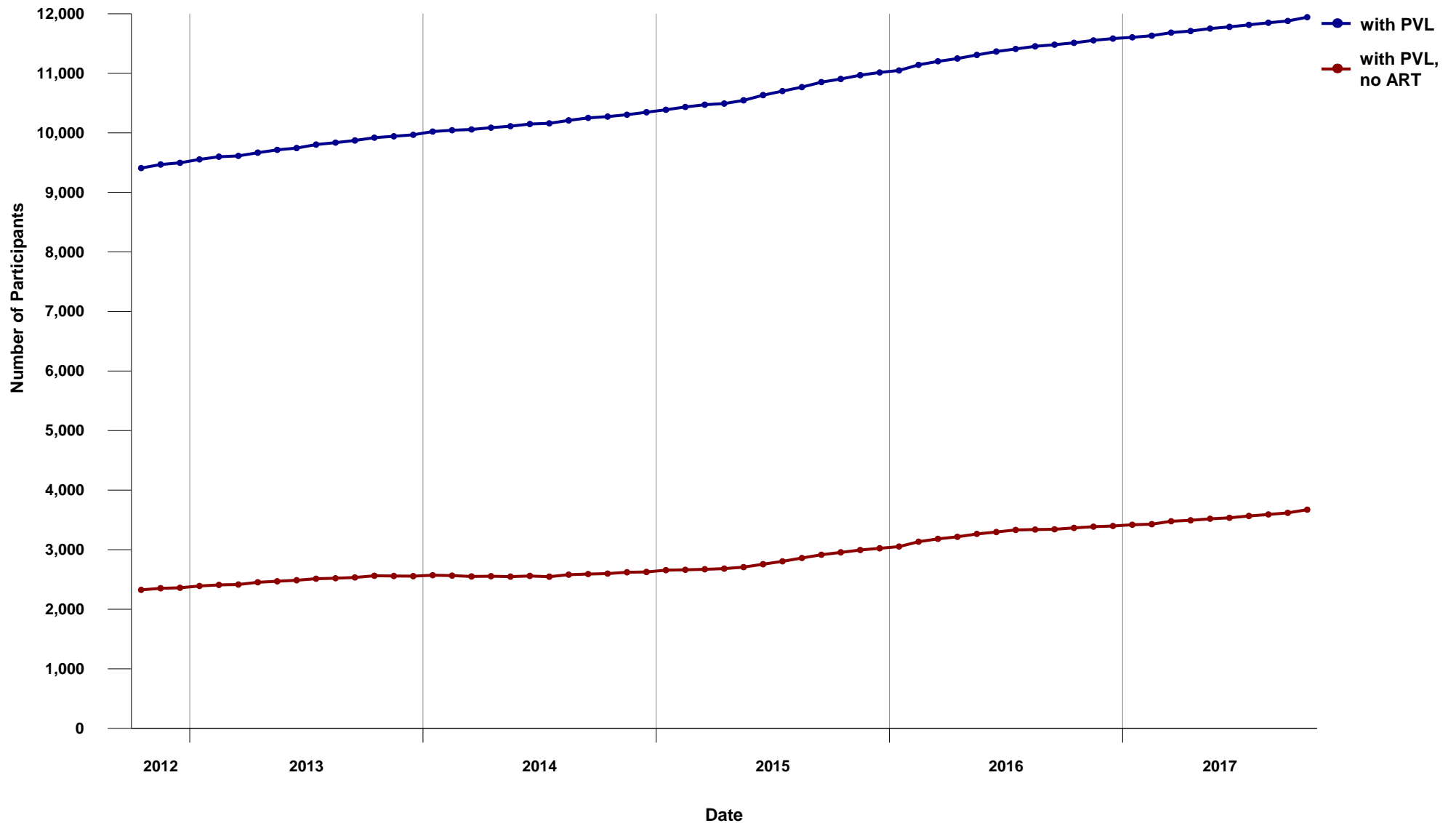


1.18 Baseline CD4 for Antiretroviral First Starts (October 2012 - October 2017)



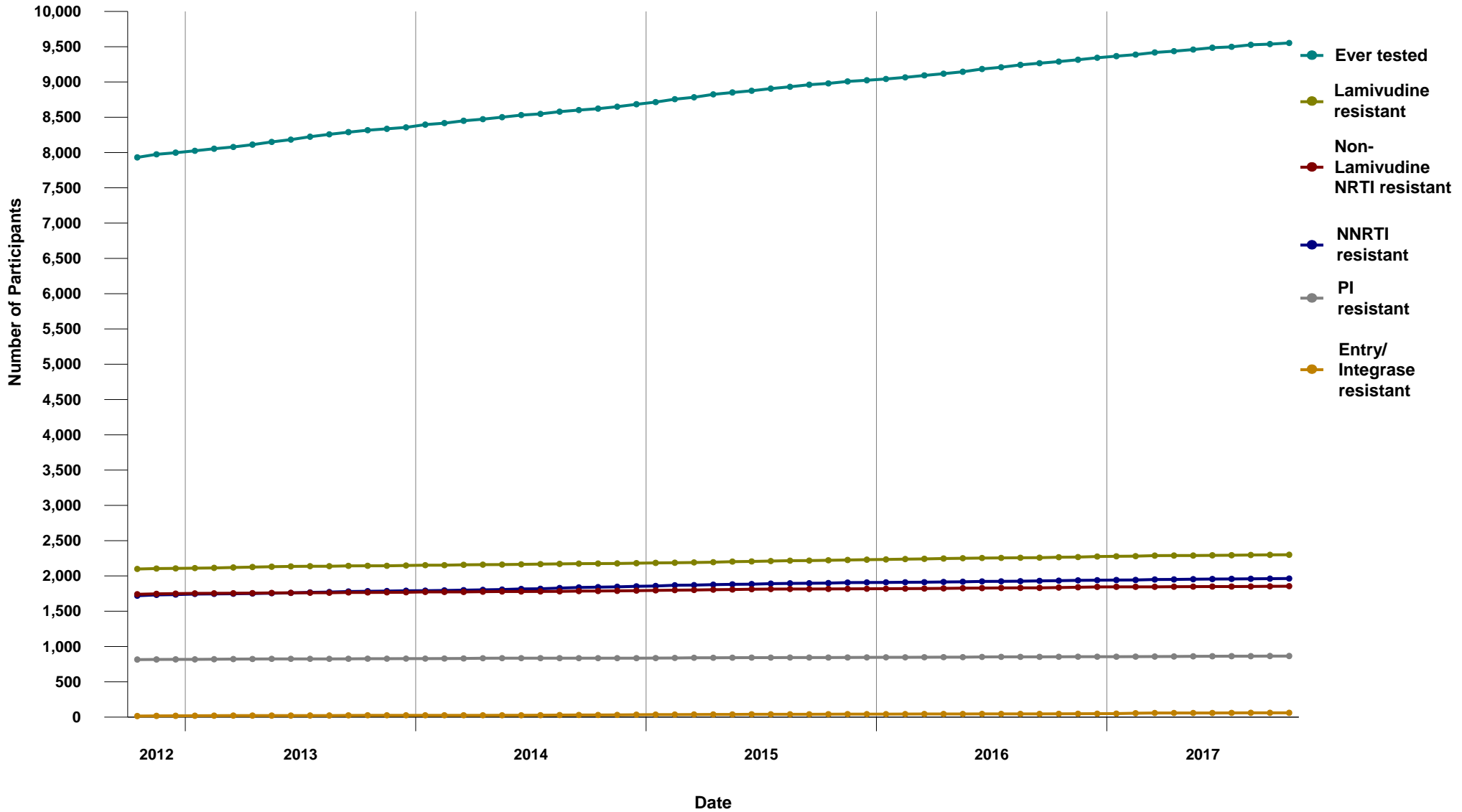


**1.19 DTP Participants with PVL Measurement within previous five years, and never on ART
(October 2012 - October 2017)**



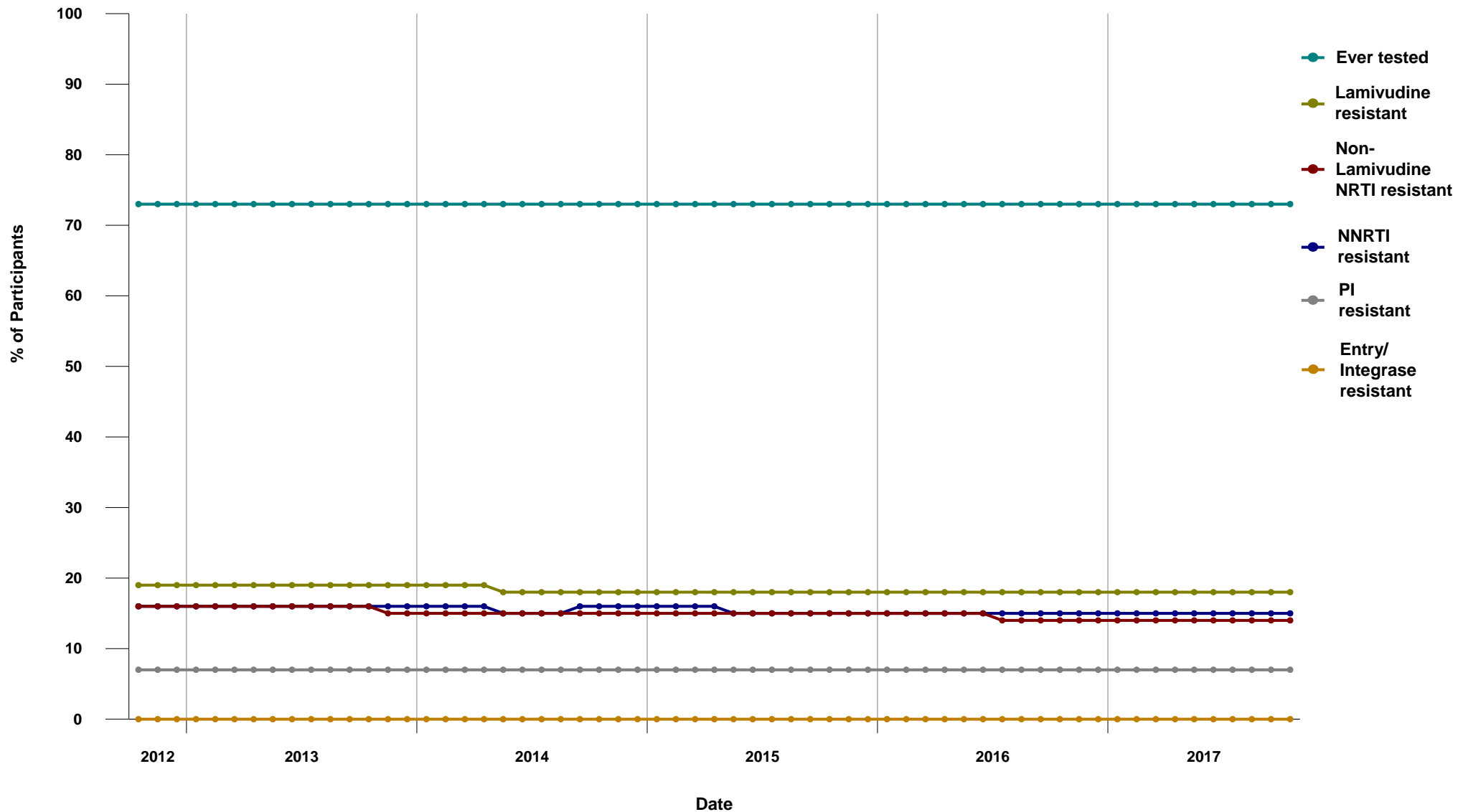


1.20 Cumulative Resistance Testing Results by Resistance Category (October 2012 - October 2017)





1.21 Percent of Participants ever on ARV - Resistance Testing Results by Resistance Category (October 2012 - October 2017)





**2.1 Duration of ARV treatment in the Province of BC, 1987-2017
(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	25	5	0	5	5	720	5	<40	3
1988	26	7	0	7	7	560	7	<40	3
1989	24	58	2	60	52	515	57	<40	3
1990	23	61	1	62	54	530	58	<40	3
1991	23	38	3	41	33	520	40	<40	3
1992	23	69	6	75	62	560	73	<40	3
1993	22	143	16	159	144	560	155	<40	3
1994	21	86	13	99	85	580	94	<40	3
1995	21	132	23	155	125	540	146	<40	3
1996	19	363	56	419	365	580	401	<40	3
1997	17	295	39	334	296	640	319	<40	3
1998	16	208	42	250	215	560	239	<40	3
1999	16	172	43	215	182	560	201	<40	3
2000	16	128	33	161	143	560	151	<40	3
2001	16	131	35	166	136	590	153	<40	3
2002	15	135	29	164	143	550	156	<40	3
2003	14	165	31	196	172	560	192	<40	3
2004	13	173	43	216	183	580	200	<40	3
2005	12	193	47	240	206	610	225	<40	3
2006	11	201	46	247	200	560	230	<40	3
2007	10	268	51	319	273	610	301	<40	3
2008	9	307	72	379	320	630	356	<40	3
2009	8	335	76	411	343	630	381	<40	3
2010	7	292	70	362	306	630	338	<40	3
2011	6	346	75	421	370	680	394	<40	3
2012	5	294	64	358	303	670	335	<40	3
2013	4	282	69	351	294	625	329	<40	3
2014	3	307	56	363	302	720	345	<40	3
2015	2	315	50	365	310	650	346	<40	3
2016	1	308	65	373	320	625	365	<40	3
2017	1	230	31	261	234	580	255	<40	3
Total:		6047	1187	7234					

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-2016	6970	735	2262	<40	2023	590
FEB-2016	6989	735	2064	<40	1864	590
MAR-2016	6995	736	2155	<40	1958	590
APR-2016	7014	733	2053	<40	1864	580
MAY-2016	7043	747	2071	<40	1885	590
JUN-2016	7062	739	2179	<40	1991	610
JUL-2016	7052	749	1949	<40	1761	600
AUG-2016	7069	750	2068	<40	1879	590
SEP-2016	7108	751	2214	<40	1998	600
OCT-2016	7138	746	2153	<40	1934	600
NOV-2016	7169	742	2110	<40	1902	580
DEC-2016	7192	750	1872	<40	1707	620
JAN-2017	7182	748	2326	<40	2070	590
FEB-2017	7134	755	1914	<40	1735	590
MAR-2017	7185	746	2201	<40	2015	600
APR-2017	7179	746	1966	<40	1764	590
MAY-2017	7224	748	2276	<40	2049	590
JUN-2017	7246	753	2120	<40	1938	600
JUL-2017	7245	755	1965	<40	1759	580
AUG-2017	7269	758	2106	<40	1838	590
SEP-2017	7229	762	2043	<40	1764	620
OCT-2017	7251	770	2190	<40	1808	610

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-2016	1518	2305	116	<40	104	465
FEB-2016	1510	2368	83	353	74	380
MAR-2016	1517	2338	87	130	83	440
APR-2016	1521	2326	87	<50	74	360
MAY-2016	1505	2405	79	<40	69	350
JUN-2016	1516	2403	72	76	56	505
JUL-2016	1540	2339	81	<50	76	455
AUG-2016	1564	2240	94	158	78	360
SEP-2016	1551	2363	96	240	80	360
OCT-2016	1525	2484	74	<40	70	415
NOV-2016	1522	2533	73	1007	58	380
DEC-2016	1523	2564	52	122	44	480
JAN-2017	1540	2523	88	140	78	417
FEB-2017	1596	2300	79	1387	69	400
MAR-2017	1551	2481	101	635	90	370
APR-2017	1568	2454	94	545	84	420
MAY-2017	1542	2613	86	148	75	420
JUN-2017	1532	2672	76	197	68	485
JUL-2017	1551	2580	68	376	58	515
AUG-2017	1549	2621	78	160	66	490
SEP-2017	1602	2466	73	366	62	400
OCT-2017	1586	2554	89	182	76	485

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-2016	6940	1518	9	16	153	168	-11	12422
FEB-2016	6960	1510	5	18	178	163	20	12450
MAR-2016	6968	1517	9	23	171	173	8	12484
APR-2016	6987	1521	6	20	166	157	19	12518
MAY-2016	7018	1505	7	21	161	142	31	12549
JUN-2016	7032	1516	12	34	163	167	14	12592
JUL-2016	7015	1540	11	25	136	157	-17	12624
AUG-2016	7031	1564	10	39	166	172	16	12684
SEP-2016	7073	1551	5	27	179	151	42	12727
OCT-2016	7101	1525	11	22	161	138	28	12758
NOV-2016	7127	1522	20	27	181	160	26	12804
DEC-2016	7149	1523	11	25	154	142	22	12844
JAN-2017	7144	1540	21	22	140	144	-5	12876
FEB-2017	7104	1596	10	24	136	185	-40	12910
MAR-2017	7149	1551	17	19	188	140	45	12936
APR-2017	7141	1568	12	20	144	154	-8	12968
MAY-2017	7194	1542	7	22	170	128	53	13002
JUN-2017	7216	1532	10	24	151	137	22	13032
JUL-2017	7215	1551	6	14	135	142	-1	13051
AUG-2017	7242	1549	10	25	156	141	27	13081
SEP-2017	7207	1602	10	17	137	178	-35	13110
OCT-2017	7234	1586	4	7	182	157	27	13125

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-2016	58	6405	446	61	6970	0.83%	91.89%	6.40%	0.88%	100.00%
FEB-2016	59	6436	435	59	6989	0.84%	92.09%	6.22%	0.84%	100.00%
MAR-2016	54	6442	438	61	6995	0.77%	92.09%	6.26%	0.87%	100.00%
APR-2016	54	6464	439	57	7014	0.77%	92.16%	6.26%	0.81%	100.00%
MAY-2016	57	6495	437	54	7043	0.81%	92.22%	6.20%	0.77%	100.00%
JUN-2016	60	6499	447	56	7062	0.85%	92.03%	6.33%	0.79%	100.00%
JUL-2016	57	6496	442	57	7052	0.81%	92.12%	6.27%	0.81%	100.00%
AUG-2016	57	6509	447	56	7069	0.81%	92.08%	6.32%	0.79%	100.00%
SEP-2016	59	6545	447	57	7108	0.83%	92.08%	6.29%	0.80%	100.00%
OCT-2016	58	6578	445	57	7138	0.81%	92.15%	6.23%	0.80%	100.00%
NOV-2016	61	6603	446	59	7169	0.85%	92.10%	6.22%	0.82%	100.00%
DEC-2016	62	6635	437	58	7192	0.86%	92.26%	6.08%	0.81%	100.00%
JAN-2017	61	6615	443	63	7182	0.85%	92.11%	6.17%	0.88%	100.00%
FEB-2017	60	6579	440	55	7134	0.84%	92.22%	6.17%	0.77%	100.00%
MAR-2017	60	6629	438	58	7185	0.84%	92.26%	6.10%	0.81%	100.00%
APR-2017	58	6633	429	59	7179	0.81%	92.39%	5.98%	0.82%	100.00%
MAY-2017	62	6665	438	59	7224	0.86%	92.26%	6.06%	0.82%	100.00%
JUN-2017	57	6691	439	59	7246	0.79%	92.34%	6.06%	0.81%	100.00%
JUL-2017	61	6688	434	62	7245	0.84%	92.31%	5.99%	0.86%	100.00%
AUG-2017	61	6699	448	61	7269	0.84%	92.16%	6.16%	0.84%	100.00%
SEP-2017	57	6683	432	57	7229	0.79%	92.45%	5.98%	0.79%	100.00%
OCT-2017	58	6697	439	57	7251	0.80%	92.36%	6.05%	0.79%	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)





Monthly Report

2.6 Number of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT

	lamivudine		abacavir		zidovudine		stavudine		didanosine		tenofovir <TAF>		tenofovir <TDF>		
	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	
JAN-2016	4 19%	2818 42%	4 19%	2485 37%	0 0%	93 1%	0 0%	11 0%	0 0%	8 0%	0 0%	0 0%	0 0%	17 81%	4164 62%
FEB-2016	10 36%	2850 42%	9 32%	2518 37%	1 4%	94 1%	0 0%	11 0%	0 0%	8 0%	0 0%	0 0%	0 0%	18 64%	4134 61%
MAR-2016	9 26%	2876 43%	7 21%	2541 38%	1 3%	94 1%	0 0%	11 0%	0 0%	8 0%	0 0%	0 0%	0 0%	26 76%	4111 61%
APR-2016	12 35%	2893 43%	9 26%	2567 38%	3 9%	93 1%	0 0%	11 0%	0 0%	8 0%	0 0%	5 0%	22 65%	4102 60%	
MAY-2016	8 26%	2894 43%	8 26%	2578 38%	0 0%	92 1%	0 0%	11 0%	0 0%	7 0%	0 0%	6 0%	23 74%	4119 61%	
JUN-2016	11 26%	2924 43%	11 26%	2602 38%	0 0%	91 1%	0 0%	12 0%	0 0%	7 0%	1 2%	9 0%	31 72%	4116 60%	
JUL-2016	9 28%	2903 43%	9 28%	2583 38%	0 0%	90 1%	0 0%	12 0%	0 0%	7 0%	0 0%	9 0%	23 72%	4113 60%	
AUG-2016	11 19%	2936 43%	11 19%	2626 38%	0 0%	80 1%	0 0%	11 0%	0 0%	7 0%	6 10%	22 0%	42 71%	4097 60%	
SEP-2016	14 33%	2969 43%	12 28%	2659 39%	0 0%	81 1%	0 0%	8 0%	0 0%	6 0%	3 7%	25 0%	27 63%	4101 60%	
OCT-2016	11 35%	2997 43%	11 35%	2689 39%	0 0%	82 1%	0 0%	9 0%	0 0%	7 0%	0 0%	26 0%	20 65%	4098 59%	
NOV-2016	17 37%	3023 44%	17 37%	2722 39%	0 0%	78 1%	0 0%	7 0%	0 0%	6 0%	0 0%	35 1%	29 63%	4088 59%	
DEC-2016	7 18%	3058 44%	7 18%	2753 40%	0 0%	77 1%	0 0%	6 0%	0 0%	6 0%	0 0%	35 1%	33 83%	4077 59%	
JAN-2017	13 41%	3068 44%	13 41%	2772 40%	0 0%	75 1%	0 0%	5 0%	0 0%	6 0%	0 0%	46 1%	19 59%	4050 58%	
FEB-2017	12 35%	3074 44%	10 29%	2783 40%	1 3%	71 1%	0 0%	5 0%	0 0%	6 0%	0 0%	50 1%	22 65%	3981 58%	
MAR-2017	7 27%	3105 45%	7 27%	2824 41%	0 0%	69 1%	0 0%	6 0%	0 0%	5 0%	0 0%	78 1%	19 73%	3999 57%	
APR-2017	13 41%	3115 45%	12 38%	2835 41%	1 3%	68 1%	0 0%	6 0%	0 0%	6 0%	0 0%	96 1%	19 59%	3962 57%	
MAY-2017	9 26%	3159 45%	9 26%	2881 41%	0 0%	73 1%	0 0%	6 0%	0 0%	5 0%	1 3%	119 2%	24 71%	3930 56%	
JUN-2017	6 20%	3170 45%	6 20%	2903 41%	0 0%	71 1%	0 0%	6 0%	0 0%	5 0%	2 7%	143 2%	22 73%	3898 55%	
JUL-2017	7 37%	3200 46%	7 37%	2930 42%	0 0%	72 1%	0 0%	6 0%	0 0%	5 0%	0 0%	161 2%	12 63%	3863 55%	
AUG-2017	6 20%	3225 46%	4 13%	2959 42%	0 0%	69 1%	0 0%	6 0%	0 0%	5 0%	2 7%	171 2%	23 77%	3839 54%	
SEP-2017	10 34%	3217 46%	10 34%	2954 42%	0 0%	66 1%	0 0%	5 0%	0 0%	4 0%	3 10%	207 3%	16 55%	3777 54%	
OCT-2017	6 40%	3245 46%	6 40%	2988 43%	0 0%	65 1%	0 0%	4 0%	0 0%	4 0%	2 13%	245 3%	7 47%	3717 53%	

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)

	emtricitabine			
	Initial		All	
JAN-2016	17	81%	3848	57%
FEB-2016	18	64%	3828	57%
MAR-2016	25	74%	3809	56%
APR-2016	22	65%	3812	56%
MAY-2016	23	74%	3834	56%
JUN-2016	32	74%	3829	56%
JUL-2016	23	72%	3830	56%
AUG-2016	48	81%	3831	56%
SEP-2016	29	67%	3846	56%
OCT-2016	20	65%	3848	56%
NOV-2016	29	63%	3852	56%
DEC-2016	33	83%	3843	55%
JAN-2017	19	59%	3828	55%
FEB-2017	22	65%	3771	55%
MAR-2017	19	73%	3802	55%
APR-2017	19	59%	3791	55%
MAY-2017	25	74%	3795	54%
JUN-2017	24	80%	3797	54%
JUL-2017	12	63%	3772	54%
AUG-2017	24	80%	3769	53%
SEP-2017	19	66%	3743	53%
OCT-2017	8	53%	3733	53%

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-2016	0 0%	11 0%	5 45%	1822 55%	5 45%	1127 34%	1 9%	326 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%	1154 35%	1 8%	317 10%	0 0%	3 0%	0 0%	1 0%	0 0%	17 1%
MAR-2016	0 0%	9 0%	4 25%	1770 55%	11 69%	1170 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%	1747 54%	13 93%	1196 37%	0 0%	293 9%	0 0%	3 0%	0 0%	1 0%	0 0%	17 1%
MAY-2016	0 0%	8 0%	2 17%	1728 53%	10 83%	1219 38%	0 0%	282 9%	0 0%	2 0%	0 0%	1 0%	0 0%	16 0%
JUN-2016	0 0%	8 0%	3 20%	1709 53%	12 80%	1234 38%	0 0%	283 9%	0 0%	4 0%	0 0%	1 0%	0 0%	15 0%
JUL-2016	0 0%	7 0%	3 21%	1689 53%	11 79%	1242 39%	0 0%	273 8%	0 0%	3 0%	0 0%	1 0%	0 0%	13 0%
AUG-2016	0 0%	8 0%	3 10%	1663 52%	26 90%	1254 39%	0 0%	268 8%	0 0%	2 0%	0 0%	0 0%	0 0%	14 0%
SEP-2016	0 0%	8 0%	1 9%	1643 52%	9 82%	1269 40%	1 9%	262 8%	0 0%	3 0%	0 0%	1 0%	0 0%	14 0%
OCT-2016	0 0%	8 0%	2 18%	1615 51%	9 82%	1263 40%	0 0%	261 8%	0 0%	3 0%	0 0%	1 0%	0 0%	13 0%
NOV-2016	0 0%	9 0%	3 16%	1588 51%	15 79%	1282 41%	1 5%	258 8%	0 0%	3 0%	0 0%	1 0%	0 0%	13 0%
DEC-2016	0 0%	9 0%	3 17%	1588 50%	15 83%	1305 41%	0 0%	258 8%	0 0%	3 0%	0 0%	1 0%	0 0%	13 0%
JAN-2017	0 0%	9 0%	2 14%	1558 50%	12 86%	1312 42%	0 0%	247 8%	0 0%	3 0%	0 0%	1 0%	0 0%	12 0%
FEB-2017	0 0%	9 0%	3 19%	1518 49%	12 75%	1306 43%	1 6%	236 8%	0 0%	3 0%	0 0%	1 0%	0 0%	12 0%
MAR-2017	0 0%	8 0%	1 8%	1513 49%	11 92%	1328 43%	0 0%	232 8%	0 0%	2 0%	0 0%	1 0%	0 0%	12 0%
APR-2017	0 0%	8 0%	0 0%	1484 49%	5 71%	1319 43%	2 29%	231 8%	0 0%	2 0%	0 0%	1 0%	0 0%	11 0%
MAY-2017	0 0%	9 0%	0 0%	1462 48%	14 100%	1350 44%	0 0%	227 7%	0 0%	3 0%	0 0%	1 0%	0 0%	11 0%
JUN-2017	0 0%	9 0%	2 18%	1453 48%	9 82%	1360 45%	0 0%	221 7%	0 0%	3 0%	0 0%	1 0%	0 0%	11 0%
JUL-2017	0 0%	9 0%	0 0%	1439 47%	6 100%	1361 45%	0 0%	218 7%	0 0%	3 0%	0 0%	1 0%	0 0%	11 0%
AUG-2017	0 0%	9 0%	1 5%	1417 47%	21 95%	1396 46%	0 0%	216 7%	0 0%	2 0%	0 0%	1 0%	0 0%	11 0%
SEP-2017	0 0%	9 0%	0 0%	1389 46%	8 100%	1390 46%	0 0%	210 7%	0 0%	2 0%	0 0%	1 0%	0 0%	11 0%
OCT-2017	0 0%	8 0%	0 0%	1365 46%	6 100%	1396 47%	0 0%	208 7%	0 0%	3 0%	0 0%	1 0%	0 0%	11 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-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%
SEP-2016	0	0%	1	0%
OCT-2016	0	0%	1	0%
NOV-2016	0	0%	1	0%
DEC-2016	0	0%	1	0%
JAN-2017	0	0%	1	0%
FEB-2017	0	0%	1	0%
MAR-2017	0	0%	1	0%
APR-2017	0	0%	1	0%
MAY-2017	0	0%	1	0%
JUN-2017	0	0%	1	0%
JUL-2017	0	0%	1	0%
AUG-2017	0	0%	1	0%
SEP-2017	0	0%	1	0%
OCT-2017	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-2016	2 100%	1032 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%	996 41%	0 0%	307 13%	1 25%	854 35%	1 25%	257 11%
APR-2016	3 33%	990 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%	969 41%	1 25%	299 13%	2 50%	836 35%	0 0%	257 11%
AUG-2016	5 71%	960 41%	0 0%	295 13%	0 0%	830 35%	2 29%	262 11%
SEP-2016	2 50%	949 41%	0 0%	295 13%	0 0%	819 35%	2 50%	265 11%
OCT-2016	1 20%	944 41%	2 40%	300 13%	1 20%	814 35%	1 20%	269 12%
NOV-2016	7 88%	936 41%	1 13%	294 13%	0 0%	812 35%	0 0%	269 12%
DEC-2016	7 70%	927 40%	0 0%	290 13%	0 0%	805 35%	3 30%	273 12%
JAN-2017	4 80%	928 41%	0 0%	292 13%	1 20%	799 35%	0 0%	269 12%
FEB-2017	4 80%	907 40%	0 0%	280 12%	0 0%	791 35%	1 20%	266 12%
MAR-2017	1 50%	897 40%	0 0%	279 13%	0 0%	790 35%	1 50%	265 12%
APR-2017	4 44%	888 40%	0 0%	273 12%	1 11%	787 36%	4 44%	271 12%
MAY-2017	3 75%	877 40%	0 0%	274 12%	0 0%	783 35%	1 25%	279 13%
JUN-2017	3 100%	853 39%	0 0%	270 12%	0 0%	782 36%	0 0%	288 13%
JUL-2017	2 100%	838 39%	0 0%	264 12%	0 0%	780 36%	0 0%	283 13%
AUG-2017	1 100%	821 38%	0 0%	268 12%	0 0%	777 36%	0 0%	285 13%
SEP-2017	4 50%	809 38%	0 0%	264 12%	1 13%	774 36%	3 38%	296 14%
OCT-2017	2 100%	803 38%	0 0%	267 13%	0 0%	768 36%	0 0%	299 14%

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-2016	6 55%	1020 44%	4 36%	458 20%	0 0%	66 3%	1 9%	821 35%	0 0%	1 0%
FEB-2016	7 64%	1062 45%	4 36%	468 20%	0 0%	60 3%	0 0%	813 34%	0 0%	1 0%
MAR-2016	15 79%	1115 46%	2 11%	482 20%	0 0%	60 2%	2 11%	806 33%	0 0%	1 0%
APR-2016	12 67%	1153 47%	4 22%	491 20%	0 0%	60 2%	2 11%	799 32%	0 0%	1 0%
MAY-2016	13 76%	1182 47%	4 24%	493 20%	0 0%	60 2%	0 0%	798 32%	0 0%	1 0%
JUN-2016	16 62%	1216 48%	9 35%	506 20%	0 0%	58 2%	1 4%	788 31%	0 0%	1 0%
JUL-2016	14 70%	1251 49%	5 25%	517 20%	0 0%	57 2%	1 5%	784 30%	0 0%	1 0%
AUG-2016	20 59%	1305 49%	14 41%	533 20%	0 0%	55 2%	0 0%	774 29%	0 0%	1 0%
SEP-2016	19 63%	1364 50%	10 33%	545 20%	0 0%	53 2%	1 3%	781 29%	0 0%	1 0%
OCT-2016	15 94%	1412 51%	1 6%	561 20%	0 0%	53 2%	0 0%	777 28%	0 0%	1 0%
NOV-2016	18 72%	1452 52%	5 20%	580 21%	0 0%	53 2%	2 8%	756 27%	0 0%	1 0%
DEC-2016	9 75%	1479 52%	2 17%	587 21%	0 0%	53 2%	1 8%	762 27%	0 0%	1 0%
JAN-2017	13 81%	1518 53%	3 19%	587 20%	0 0%	52 2%	0 0%	756 26%	0 0%	1 0%
FEB-2017	14 78%	1560 54%	4 22%	588 20%	0 0%	48 2%	0 0%	732 25%	0 0%	1 0%
MAR-2017	13 87%	1619 55%	2 13%	601 20%	0 0%	49 2%	0 0%	732 25%	0 0%	1 0%
APR-2017	14 78%	1656 55%	4 22%	596 20%	0 0%	50 2%	0 0%	722 24%	0 0%	1 0%
MAY-2017	19 86%	1726 57%	3 14%	602 20%	0 0%	47 2%	0 0%	715 23%	0 0%	1 0%
JUN-2017	12 75%	1758 57%	3 19%	596 19%	0 0%	49 2%	1 6%	713 23%	0 0%	1 0%
JUL-2017	8 73%	1792 58%	3 27%	593 19%	0 0%	48 2%	0 0%	705 23%	0 0%	1 0%
AUG-2017	13 72%	1825 58%	4 22%	597 19%	0 0%	49 2%	1 6%	707 22%	0 0%	1 0%
SEP-2017	10 71%	1837 58%	4 29%	600 19%	0 0%	50 2%	0 0%	700 22%	0 0%	1 0%
OCT-2017	9 90%	1884 59%	1 10%	609 19%	0 0%	48 1%	0 0%	706 22%	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





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-2016	2285	32.78	1944	27.89	1609	23.08	158	2.27	61	0.88	913	13.10
FEB-2016	2279	32.61	1925	27.54	1668	23.87	153	2.19	59	0.84	905	12.95
MAR-2016	2266	32.39	1903	27.21	1706	24.39	154	2.20	61	0.87	905	12.94
APR-2016	2244	31.99	1894	27.00	1757	25.05	154	2.20	57	0.81	908	12.95
MAY-2016	2256	32.03	1887	26.79	1781	25.29	157	2.23	54	0.77	908	12.89
JUN-2016	2255	31.93	1877	26.58	1811	25.64	152	2.15	56	0.79	911	12.90
JUL-2016	2225	31.55	1865	26.45	1847	26.19	150	2.13	57	0.81	908	12.88
AUG-2016	2210	31.26	1839	26.01	1913	27.06	142	2.01	56	0.79	909	12.86
SEP-2016	2190	30.81	1831	25.76	1977	27.81	144	2.03	57	0.80	909	12.79
OCT-2016	2169	30.39	1829	25.62	2033	28.48	146	2.05	57	0.80	904	12.66
NOV-2016	2174	30.33	1817	25.35	2074	28.93	143	1.99	59	0.82	902	12.58
DEC-2016	2181	30.33	1808	25.14	2102	29.23	143	1.99	58	0.81	900	12.51
JAN-2017	2155	30.01	1793	24.97	2135	29.73	139	1.94	63	0.88	897	12.49
FEB-2017	2125	29.79	1772	24.84	2165	30.35	133	1.86	55	0.77	884	12.39
MAR-2017	2133	29.69	1754	24.41	2223	30.94	134	1.86	58	0.81	883	12.29
APR-2017	2109	29.38	1744	24.29	2260	31.48	133	1.85	59	0.82	874	12.17
MAY-2017	2108	29.18	1737	24.04	2308	31.95	132	1.83	59	0.82	880	12.18
JUN-2017	2115	29.19	1719	23.72	2349	32.42	132	1.82	59	0.81	872	12.03
JUL-2017	2103	29.03	1695	23.40	2387	32.95	130	1.79	62	0.86	868	11.98
AUG-2017	2095	28.82	1687	23.21	2410	33.15	130	1.79	61	0.84	886	12.19
SEP-2017	2076	28.72	1677	23.20	2430	33.61	127	1.76	57	0.79	862	11.92
OCT-2017	2052	28.30	1675	23.10	2479	34.19	124	1.71	57	0.79	864	11.92

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-2016	16	2	3	0	5	3	380
FEB-2016	18	4	0	6	3	5	331
MAR-2016	23	4	3	4	7	5	350
APR-2016	20	2	1	2	2	9	580
MAY-2016	21	2	1	3	3	12	510
JUN-2016	34	5	5	6	10	8	380
JUL-2016	25	2	6	6	3	7	320
AUG-2016	39	2	6	6	12	13	410
SEP-2016	27	8	2	6	4	4	253
OCT-2016	22	2	2	6	6	5	370
NOV-2016	27	3	4	5	7	8	390
DEC-2016	25	4	1	5	3	11	410
JAN-2017	22	3	2	4	6	6	380
FEB-2017	24	5	3	1	3	10	425
MAR-2017	19	5	3	5	2	2	220
APR-2017	20	1	2	6	5	5	350
MAY-2017	22	2	0	3	9	8	405
JUN-2017	24	6	2	5	3	7	230
JUL-2017	14	2	2	2	1	5	340
AUG-2017	25	4	0	4	3	12	510
SEP-2017	17	1	2	4	3	5	400
OCT-2017	7	2	0	0	1	3	545

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-2016	11048	3053
FEB-2016	11141	3134
MAR-2016	11201	3182
APR-2016	11248	3216
MAY-2016	11308	3265
JUN-2016	11365	3297
JUL-2016	11408	3332
AUG-2016	11453	3338
SEP-2016	11480	3342
OCT-2016	11511	3366
NOV-2016	11553	3387
DEC-2016	11583	3398
JAN-2017	11604	3419
FEB-2017	11631	3428
MAR-2017	11683	3478
APR-2017	11709	3493
MAY-2017	11751	3519
JUN-2017	11780	3535
JUL-2017	11814	3566
AUG-2017	11849	3592
SEP-2017	11879	3618
OCT-2017	11942	3672

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

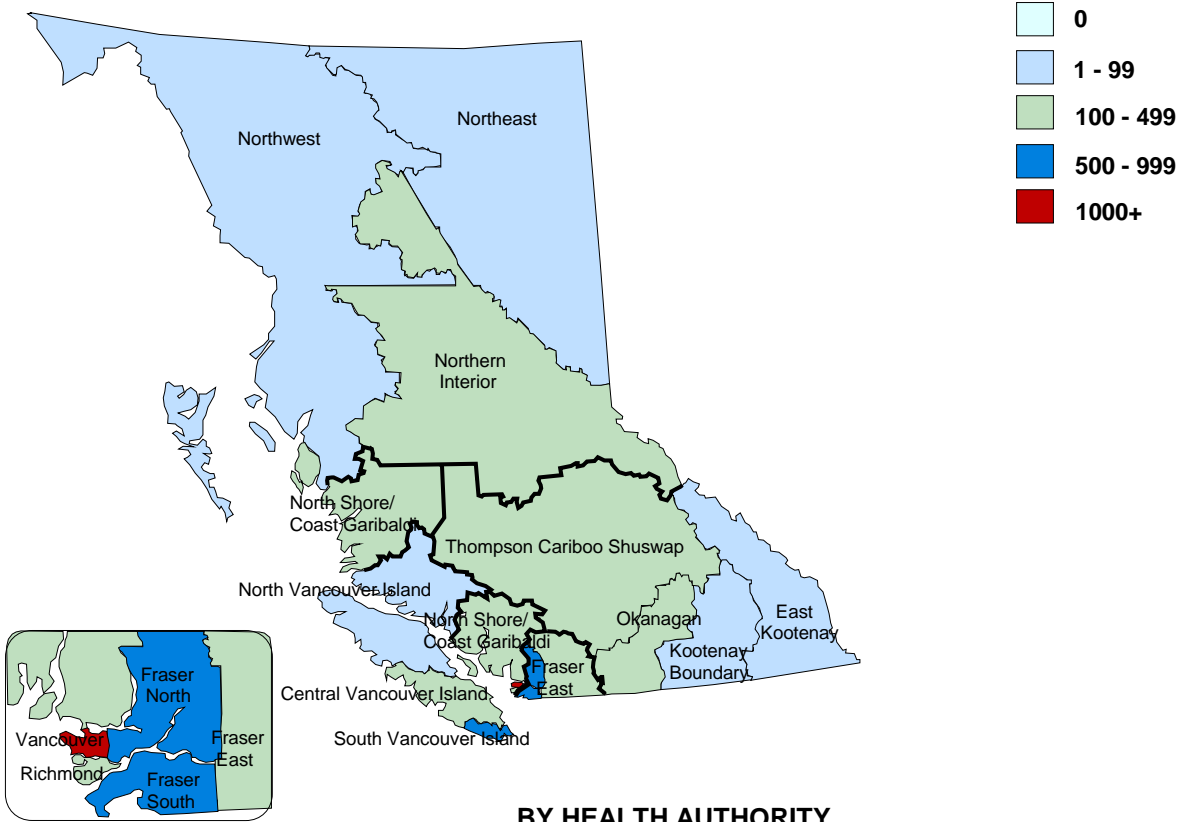




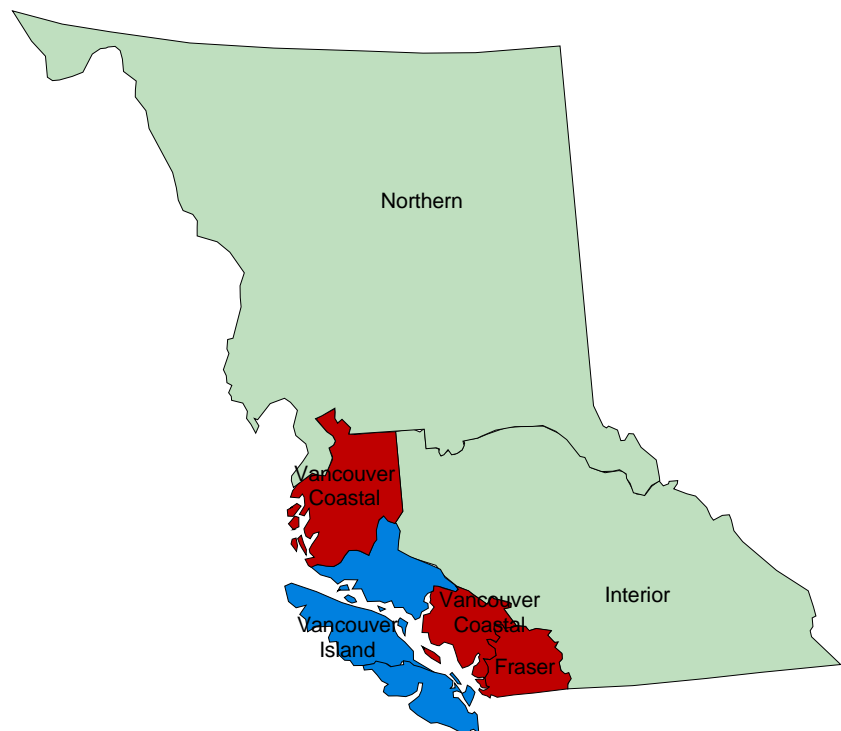
3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants
October 2017

N = 7251

BY HEALTH SERVICES DELIVERY AREA



BY HEALTH AUTHORITY

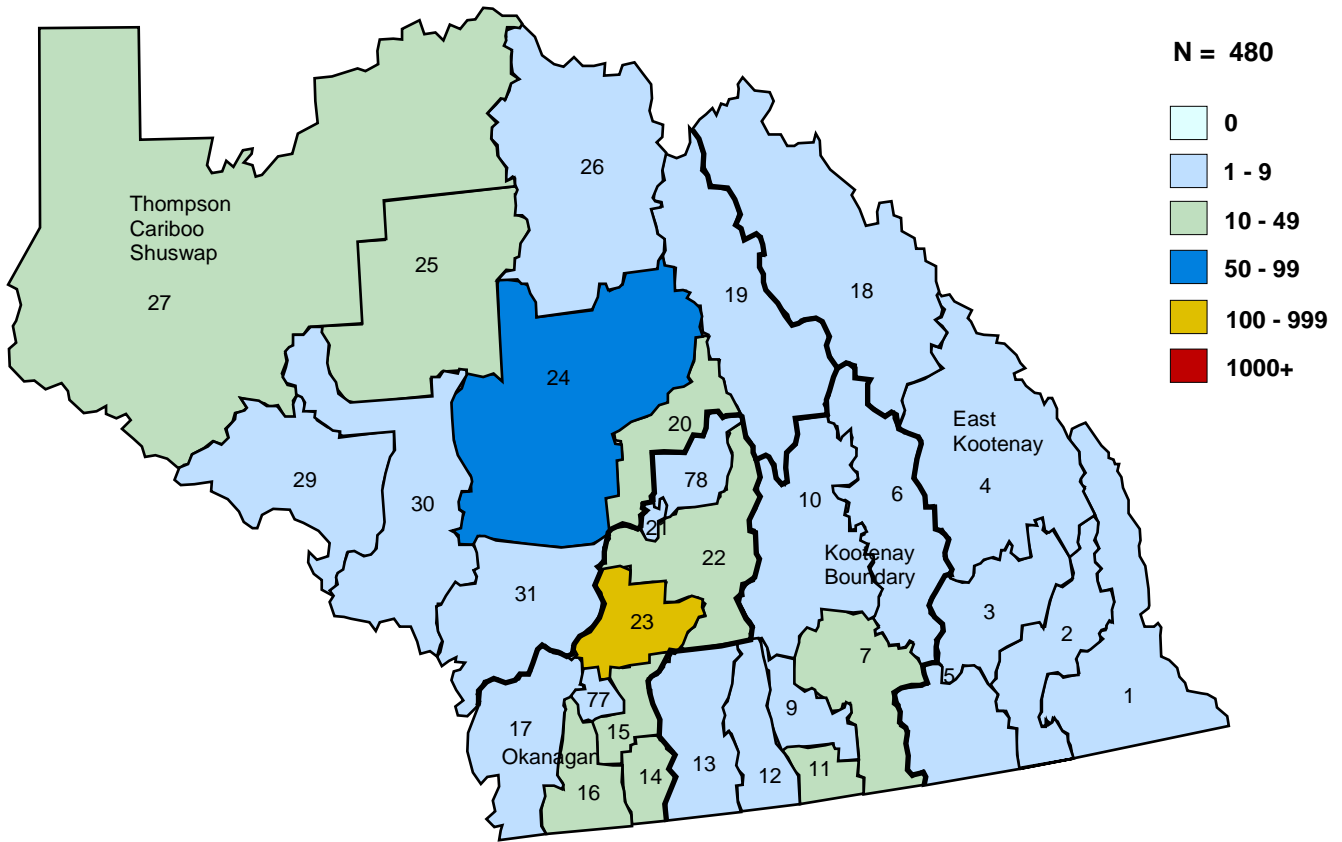




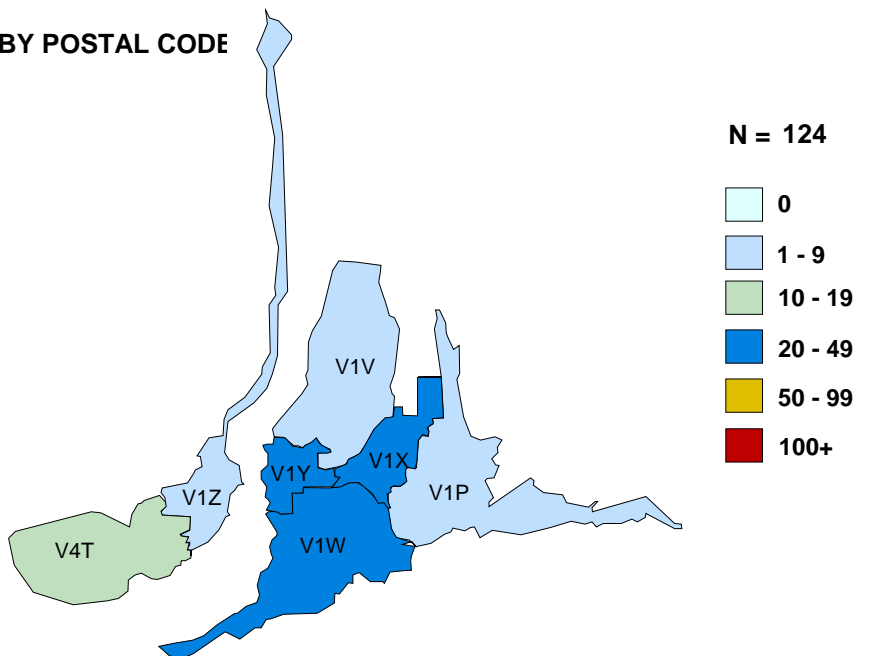
3.2 Distribution of HIV/AIDS Drug Treatment Program Active Participants

October 2017

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



KELOWNA BY POSTAL CODE

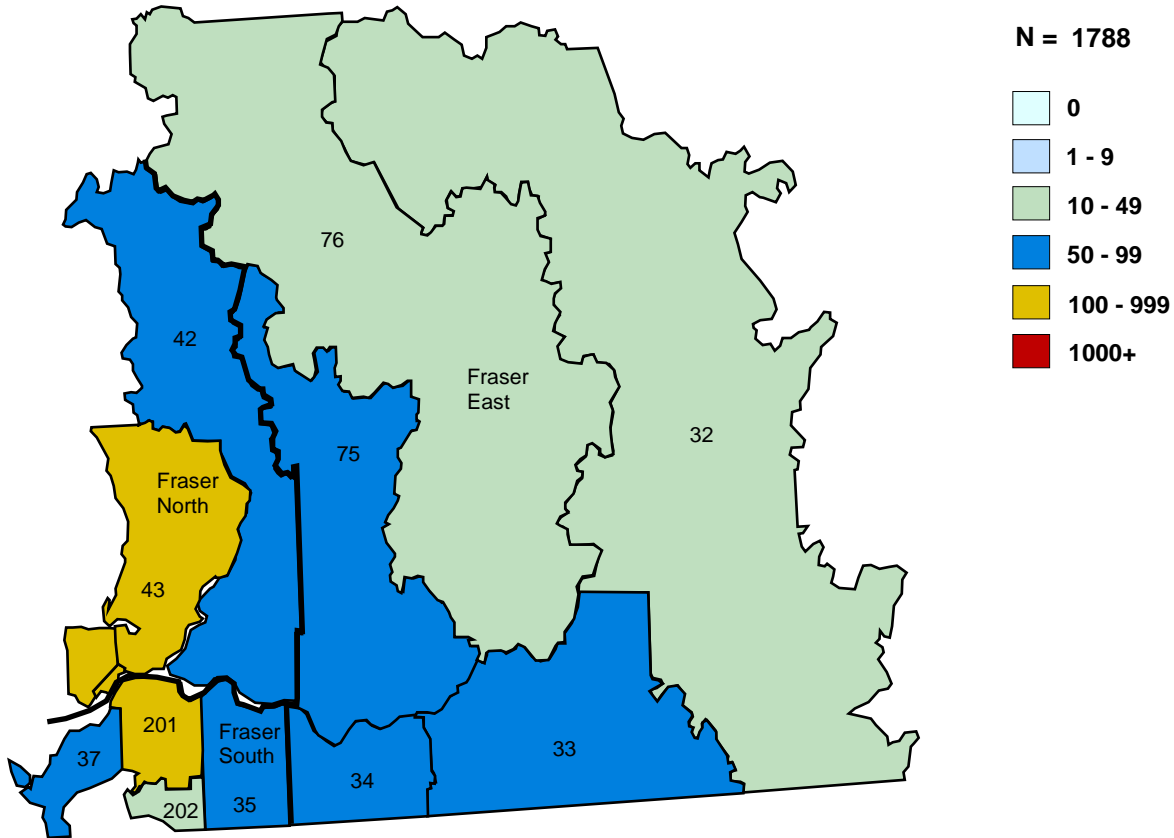




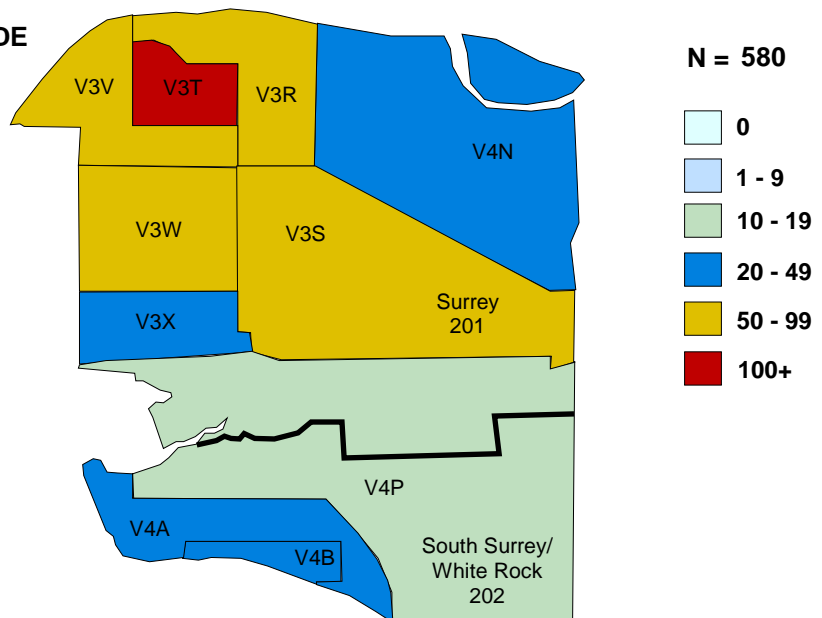
3.3 Distribution of HIV/AIDS Drug Treatment Program Active Participants

October 2017

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



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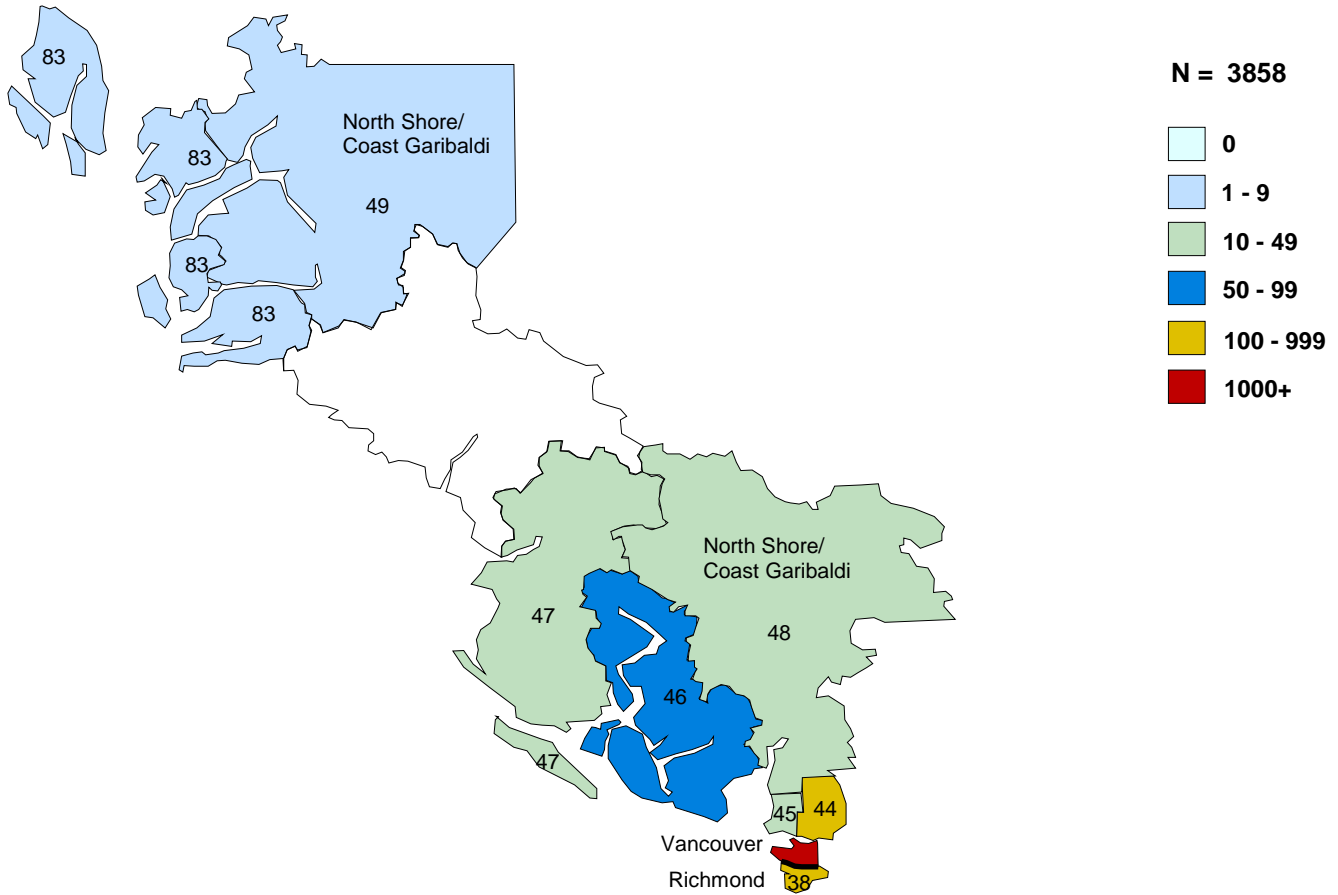




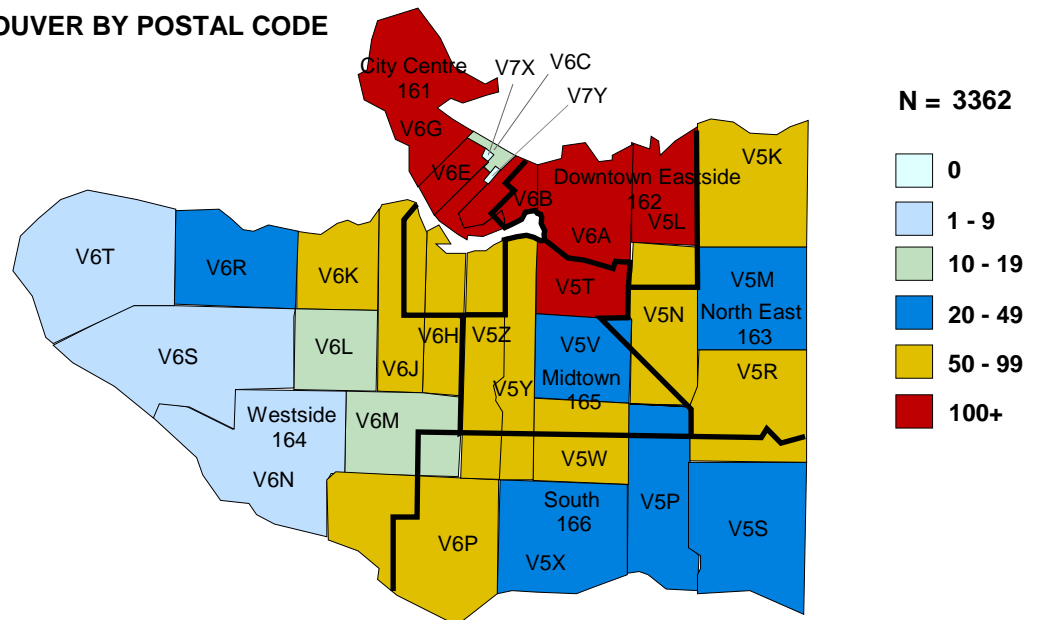
3.4 Distribution of HIV/AIDS Drug Treatment Program Active Participants

October 2017

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



VANCOUVER BY POSTAL CODE

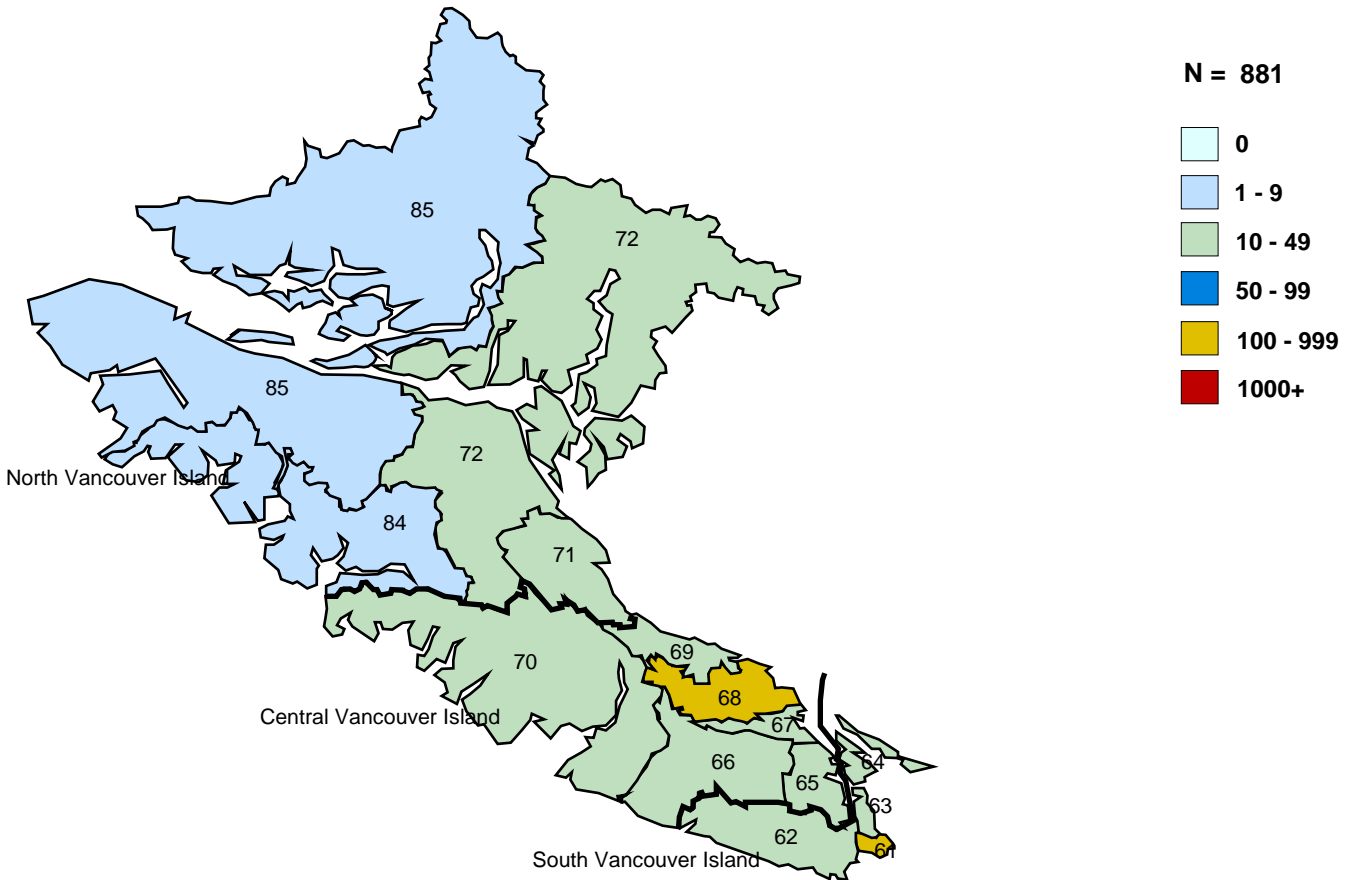




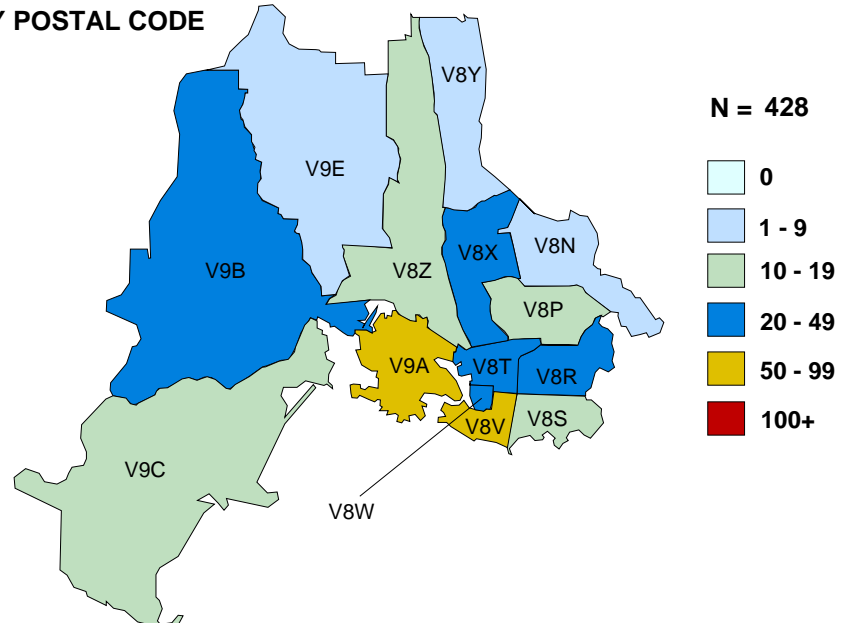
3.5 Distribution of HIV/AIDS Drug Treatment Program Active Participants

October 2017

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



VICTORIA BY POSTAL CODE

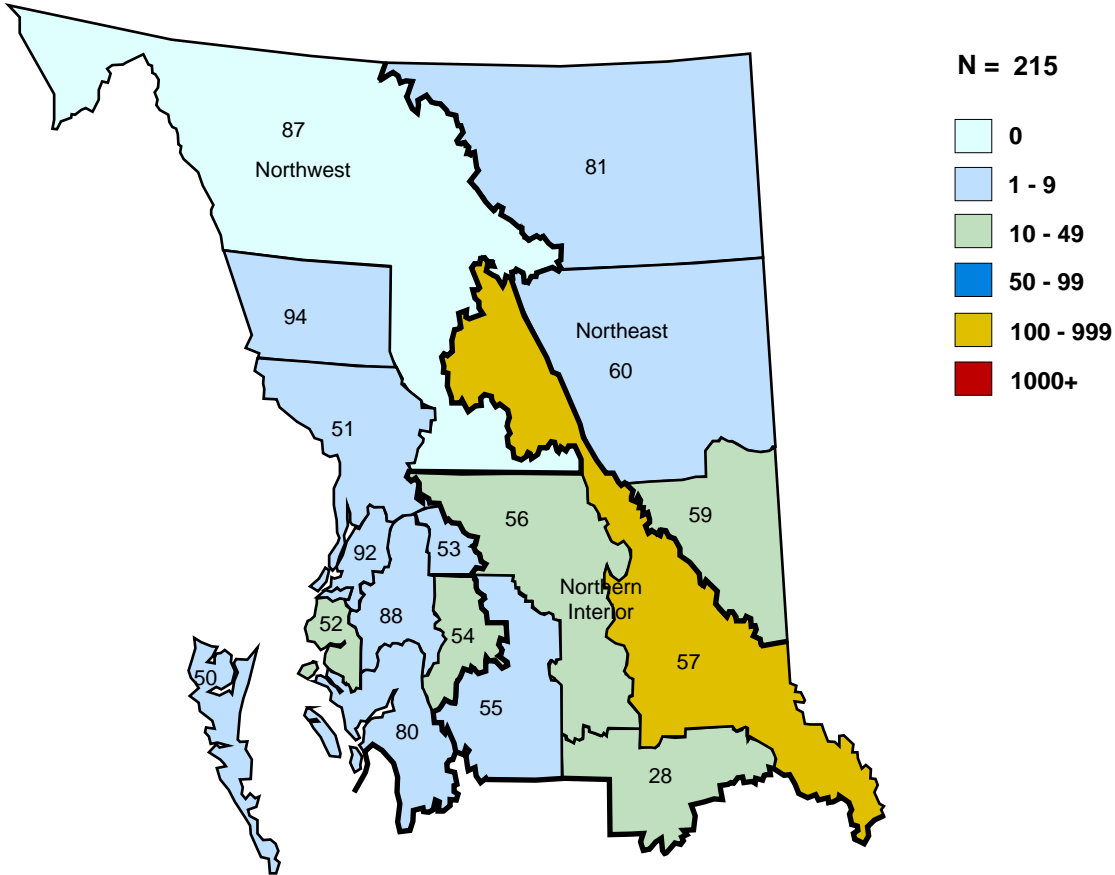




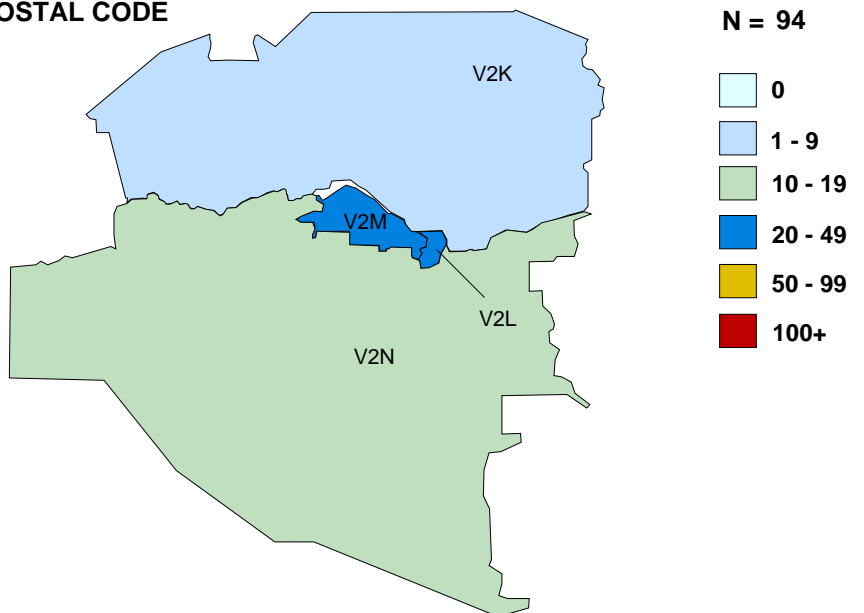
3.6 Distribution of HIV/AIDS Drug Treatment Program Active Participants

October 2017

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:	35	48	25
KOOTENAY BOUNDARY	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	71	93	53	
OKANAGAN	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	346	460	265	
THOMPSON/CARIBOO/ SHUSWAP	0-19	*	*	0
	20-34	*	*	17
	35-49	*	*	40
	50+	*	*	80
Total HSDA:	178	237	137	
Total HA:		630	838	480

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		630	838	480

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	491	664	379
Female	139	174	101

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	480	54	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)





4.2 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	19	12
	5 years or more	5	5
	<5 years	11	8
	Total HSDA:	35	25
KOOTENAY BOUNDARY	10 years or more	38	25
	5 years or more	21	17
	<5 years	12	11
	Total HSDA:	71	53
OKANAGAN	10 years or more	195	141
	5 years or more	77	63
	<5 years	74	61
	Total HSDA:	346	265
THOMPSON/CARIBOO/ SHUSWAP	10 years or more	92	64
	5 years or more	40	37
	<5 years	46	36
	Total HSDA:	178	137
Total HA:		630	480

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	344	242
	5 years or more	143	122
	<5 years	143	116
Total HA:		630	480

* 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	37	53	13	22
KOOTENAY BOUNDARY	63	114	21	40
OKANAGAN	204	753	66	276
THOMPSON/CARIBOO/SHUSWAP	128	457	36	122
Total:	432	1377	136	460

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
EAST KOOTENAY	*
KOOTENAY BOUNDARY	*
OKANAGAN	*
THOMPSON/CARIBOO/SHUSWAP	*
Total:	95

* 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	6	6	5
	20-34	25	26	17
	35-49	105	117	72
	50+	196	264	159
	Total HSDA:	332	413	253
FRASER NORTH	0-19	13	13	*
	20-34	111	112	*
	35-49	356	396	*
	50+	502	794	*
	Total HSDA:	982	1315	777
FRASER SOUTH	0-19	9	9	6
	20-34	91	93	62
	35-49	364	416	292
	50+	475	695	398
	Total HSDA:	939	1213	758
Total HA:		2253	2941	1788

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	28	28	14
	20-34	227	231	169
	35-49	825	929	645
	50+	1173	1753	960
Total HA:		2253	2941	1788

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	1717	2270	1391
Female	536	671	397

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	1788	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)





**4.5 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	169	124
	5 years or more	95	78
	<5 years	68	51
	Total HSDA:	332	253
FRASER NORTH	10 years or more	483	351
	5 years or more	250	202
	<5 years	249	224
	Total HSDA:	982	777
FRASER SOUTH	10 years or more	458	362
	5 years or more	248	203
	<5 years	233	193
	Total HSDA:	939	758
Total HA:		2253	1788

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	1110	837
5 years or more	593	483
<5 years	550	468
Total HA:	2253	1788

* 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	132	452	40	97
FRASER NORTH	238	1496	58	263
FRASER SOUTH	205	1239	45	343
Total:	575	3187	143	703

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
FRASER EAST	182
FRASER NORTH	656
FRASER SOUTH	522
Total:	1360

* 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	*	*	23
	35-49	*	*	69
	50+	*	*	189
	Total HSDA:		326	467
RICHMOND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		161	207
VANCOUVER	0-19	46	49	5
	20-34	447	457	339
	35-49	1483	1689	1081
	50+	2622	4403	2024
	Total HSDA:	4598	6598	3449
Total HA:		5085	7272	3858

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	50	53	6
	20-34	497	508	378
	35-49	1612	1834	1186
	50+	2926	4877	2288
Total HA:		5085	7272	3858

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
	2	2	0
Male	4471	6388	3408
Female	612	882	450

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	3858	52	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	169	139
	5 years or more	75	67
	<5 years	82	75
	Total HSDA:	326	281
RICHMOND	10 years or more	79	57
	5 years or more	40	34
	<5 years	42	37
	Total HSDA:	161	128
VANCOUVER	10 years or more	2471	1775
	5 years or more	1217	916
	<5 years	910	758
	Never on ART	0	0
	Total HSDA:	4598	3449
Total HA:	5085	3858	

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	2719	1971
5 years or more	1332	1017
<5 years	1034	870
Never on ART	0	0
Total HA:	5085	3858

* 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	153	391	54	100
RICHMOND	42	275	14	96
VANCOUVER	557	10327	206	5382
Total:	752	10993	274	5578

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH SHORE/COAST GARIBALDI	*
RICHMOND	*
VANCOUVER	*
Total:	123

* 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:		304	424
NORTH VANCOUVER ISLAND	0-19	*	*	0
	20-34	*	*	8
	35-49	*	*	24
	50+	*	*	57
	Total HSDA:		115	152
SOUTH VANCOUVER ISLAND	0-19	5	5	*
	20-34	56	59	*
	35-49	197	231	*
	50+	437	677	*
	Total HSDA:		695	972
Total HA:		1114	1548	881

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	10	10	*
	20-34	94	100	*
	35-49	318	364	*
	50+	692	1074	*
Total HA:		1114	1548	881

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	910	1265	724
Female	204	283	157

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	881	53	520	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	145	121
	5 years or more	71	60
	<5 years	88	74
	Total HSDA:	304	255
NORTH VANCOUVER ISLAND	10 years or more	58	44
	5 years or more	28	24
	<5 years	29	21
	Total HSDA:	115	89
SOUTH VANCOUVER ISLAND	10 years or more	370	269
	5 years or more	162	133
	<5 years	163	135
	Total HSDA:	695	537
Total HA:		1114	881

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	573	434
	5 years or more	261	217
	<5 years	280	230
Total HA:		1114	881

* 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	180	809	80	212
NORTH VANCOUVER ISLAND	126	252	46	78
SOUTH VANCOUVER ISLAND	194	1642	43	549
Total:	500	2703	169	839

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
CENTRAL VANCOUVER ISLAND	46
NORTH VANCOUVER ISLAND	31
SOUTH VANCOUVER ISLAND	107
Total:	184

* 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:		39	47
NORTH WEST	0-19	*	*	0
	20-34	*	*	5
	35-49	*	*	19
	50+	*	*	26
	Total HSDA:		68	103
NORTHERN INTERIOR	0-19	7	7	*
	20-34	22	25	*
	35-49	74	91	*
	50+	85	136	*
	Total HSDA:		188	259
Total HA:		295	409	215

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	10	10	5
	20-34	33	37	24
	35-49	112	147	82
	50+	140	215	104
Total HA:		295	409	215

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	180	254	134
Female	115	155	81

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	215	49	530	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	17	8
	5 years or more	14	8
	<5 years	8	7
	Total HSDA:	39	23
NORTH WEST	10 years or more	23	12
	5 years or more	31	27
	<5 years	14	11
	Total HSDA:	68	50
NORTHERN INTERIOR	10 years or more	63	38
	5 years or more	68	58
	<5 years	57	46
	Total HSDA:	188	142
Total HA:		295	215

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	103	58
	5 years or more	113	93
	<5 years	79	64
Total HA:		295	215

* 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	34	59	7	10
NORTH WEST	67	150	18	28
NORTHERN INTERIOR	103	417	15	180
Total:	204	626	40	218

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH EAST	6
NORTH WEST	12
NORTHERN INTERIOR	22
Total:	40

* 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	*	33	*
	THOMPSON/CARIBOO/SHUSWAP	*	40	*
	Total HA:	51	90	38
FRASER	FRASER EAST	32	41	22
	FRASER NORTH	53	85	46
	FRASER SOUTH	76	105	57
	Total HA:	161	231	125
VANCOUVER COASTAL	NORTH SHORE/COAST GARIBALDI	26	47	22
	RICHMOND	9	14	8
	VANCOUVER	507	824	415
	Total HA:	542	885	445
VANCOUVER ISLAND	CENTRAL VANCOUVER ISLAND	51	77	41
	NORTH VANCOUVER ISLAND	14	23	12
	SOUTH VANCOUVER ISLAND	34	74	28
	Total HA:	99	174	81
NORTHERN	NORTH EAST	8	10	5
	NORTH WEST	32	58	27
	NORTHERN INTERIOR	68	101	57
	Total HA:	108	169	89
Total:		961	1549	778

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	596	989	473
Female	365	560	305

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total:	778	50	475	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.

Odefsey (ODF): the Gilead trade name for a tablet containing RILPIVIRINE, EMTRICITABINE and TENOFOVIR AF.

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.

