



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS

B.C. HIV/AIDS Drug Treatment Program

Monthly Report

September 2019





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
CENTRE for EXCELLENCE
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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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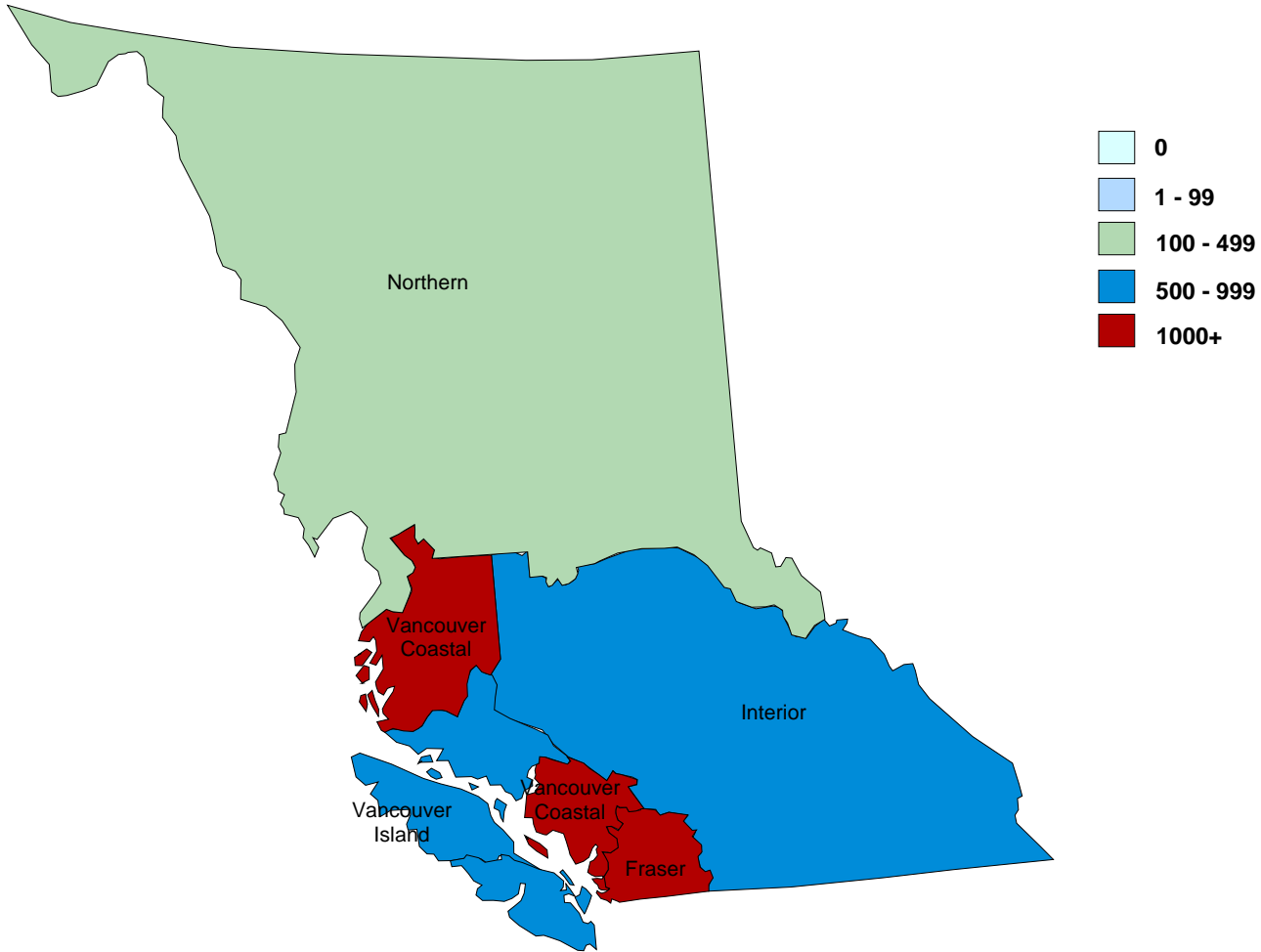




1.1 Distribution of men and women on antiretroviral therapy in British Columbia by Health Authority

September 2019

N = 7361



Health Authority	Male	Female	All
FRASER	1436	424	1860
INTERIOR	417	97	514
NORTHERN	130	85	215
VANCOUVER COASTAL	3376	438	3814
VANCOUVER ISLAND	772	154	926
	6131	1198	7329
		Unknown/not stated:	32
		Total:	7361

Definitions:

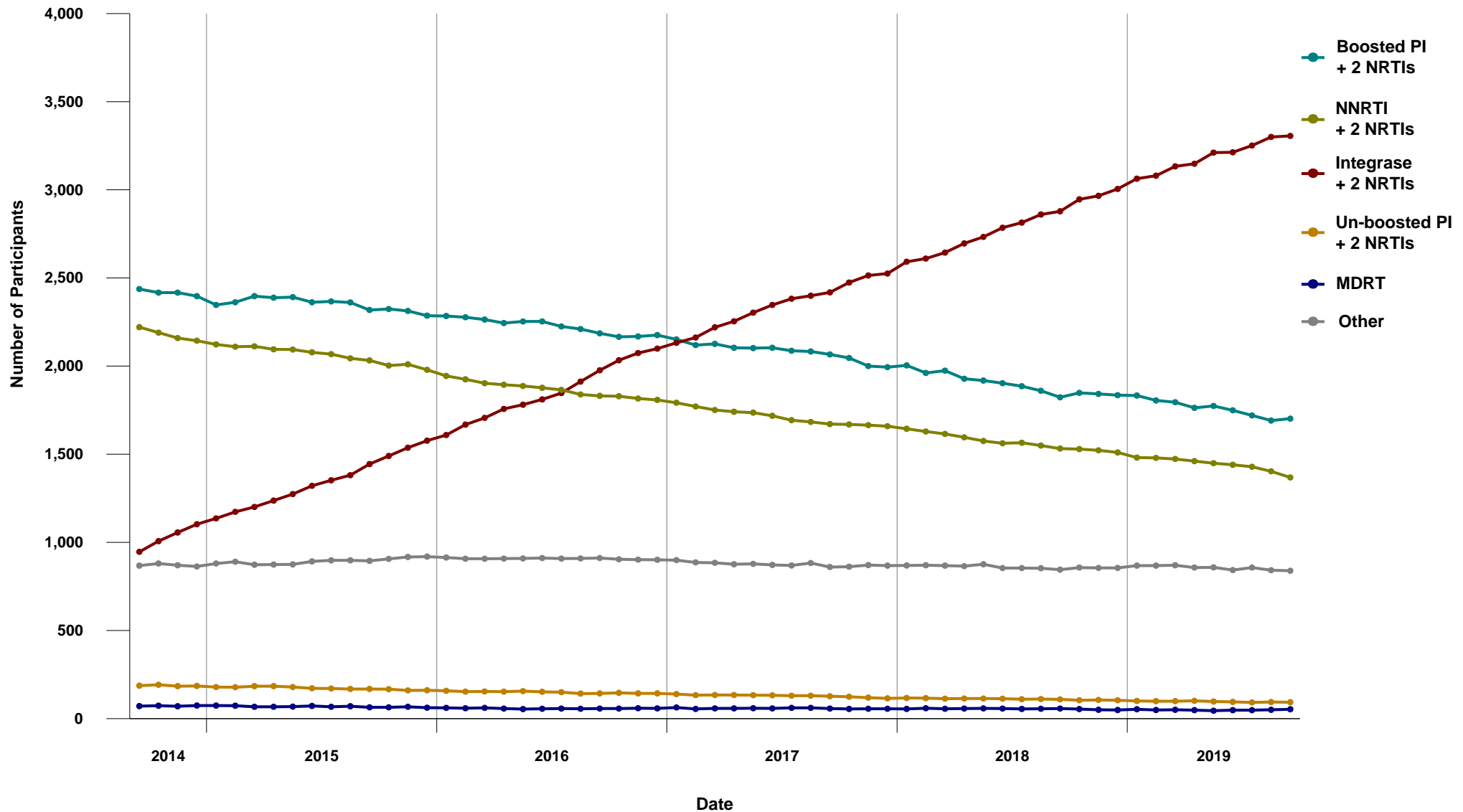
On antiretroviral therapy defined as being on treatment in the current month

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



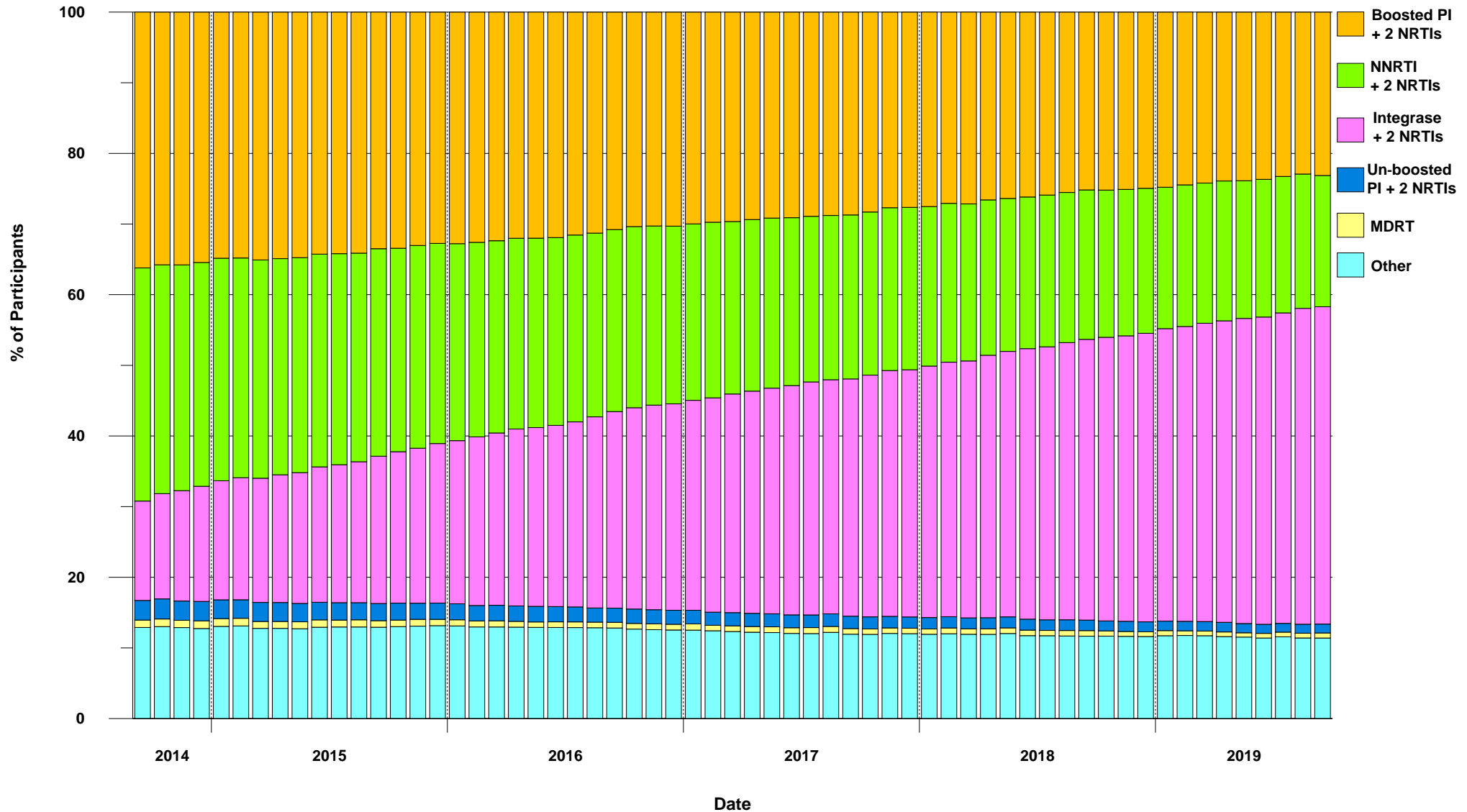


1.2 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (September 2014 - September 2019)



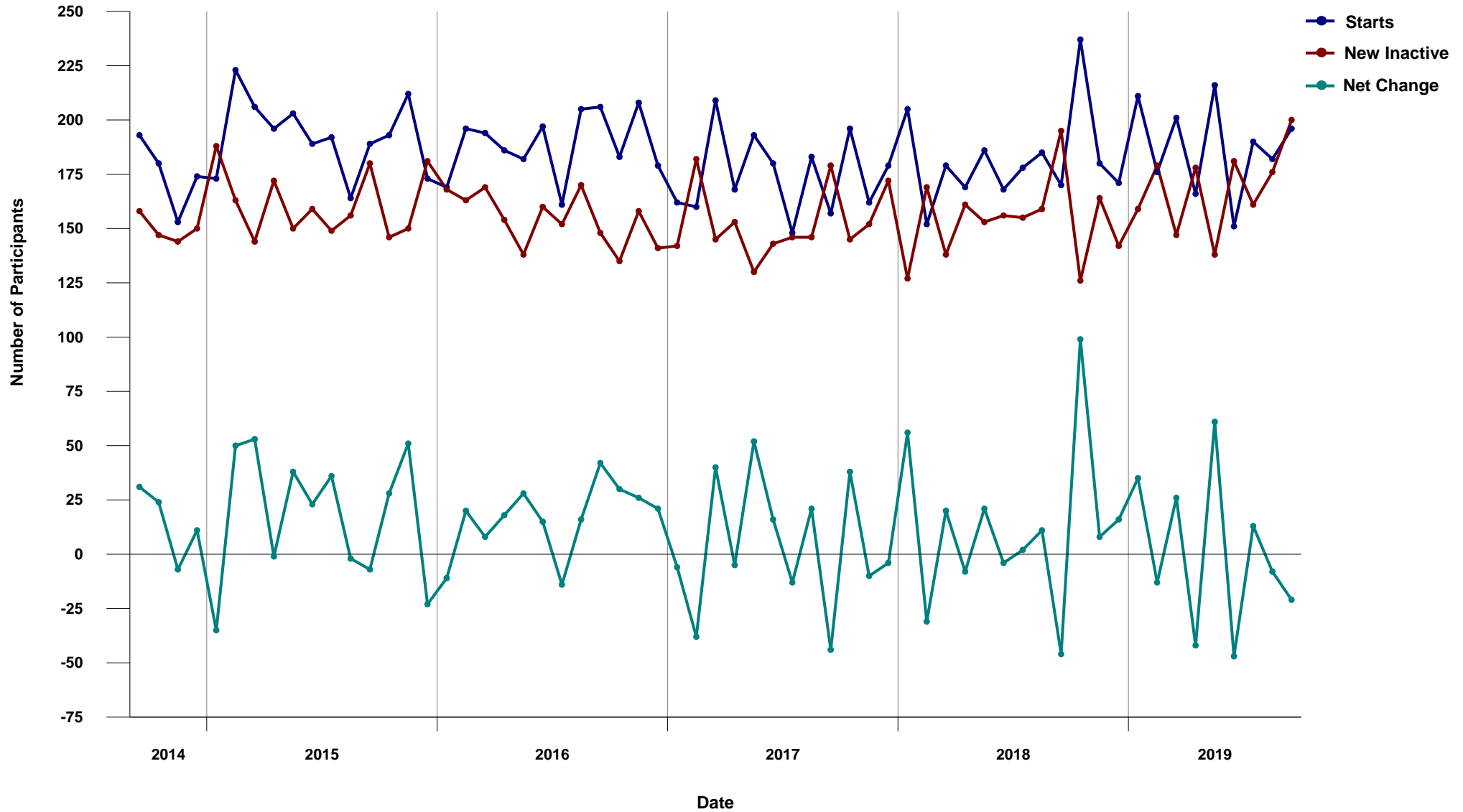


1.3 Percent Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (September 2014 - September 2019)



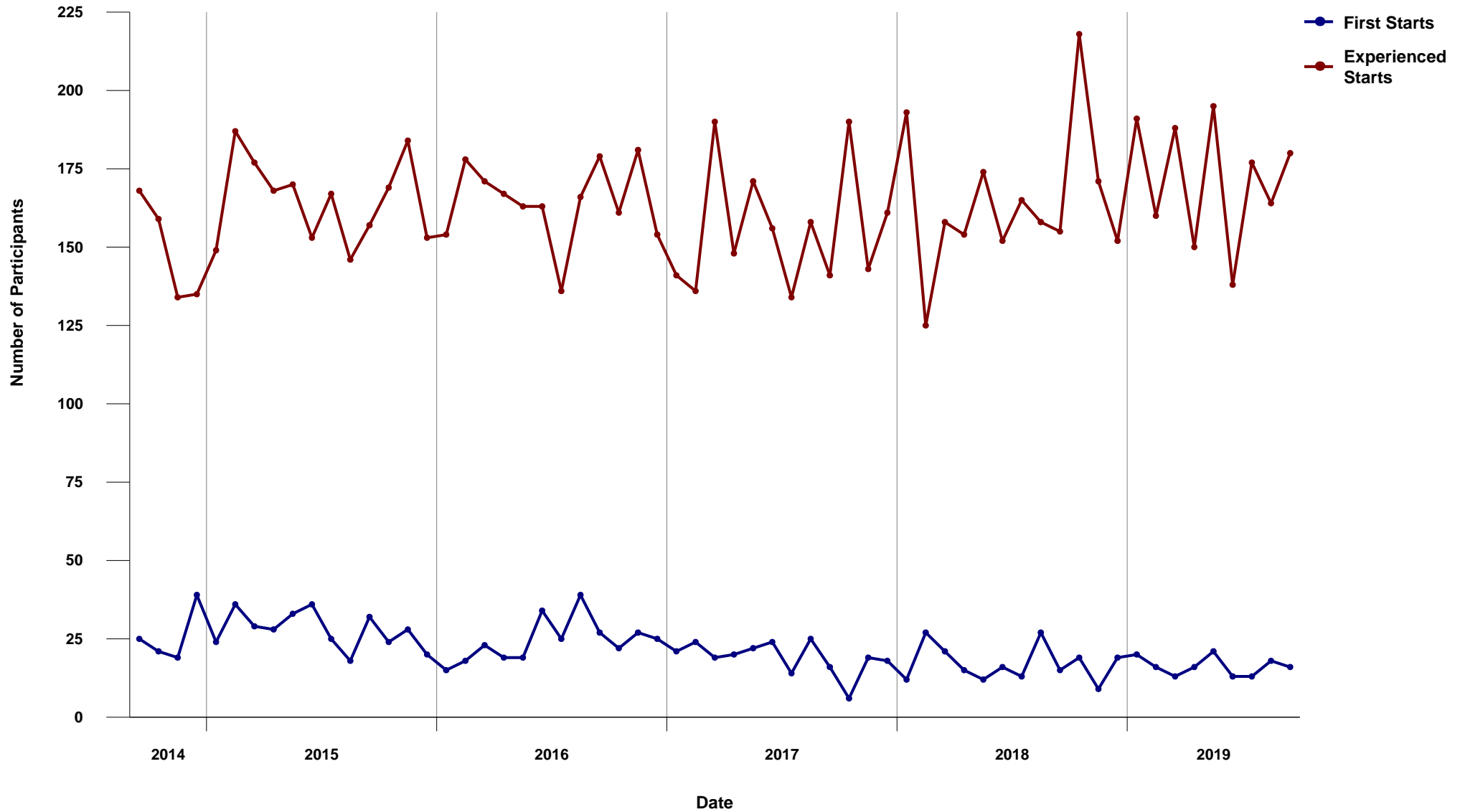


1.4 BC-CfE Enrollment: Net Number of New Antiretroviral Participants (September 2014 - September 2019)



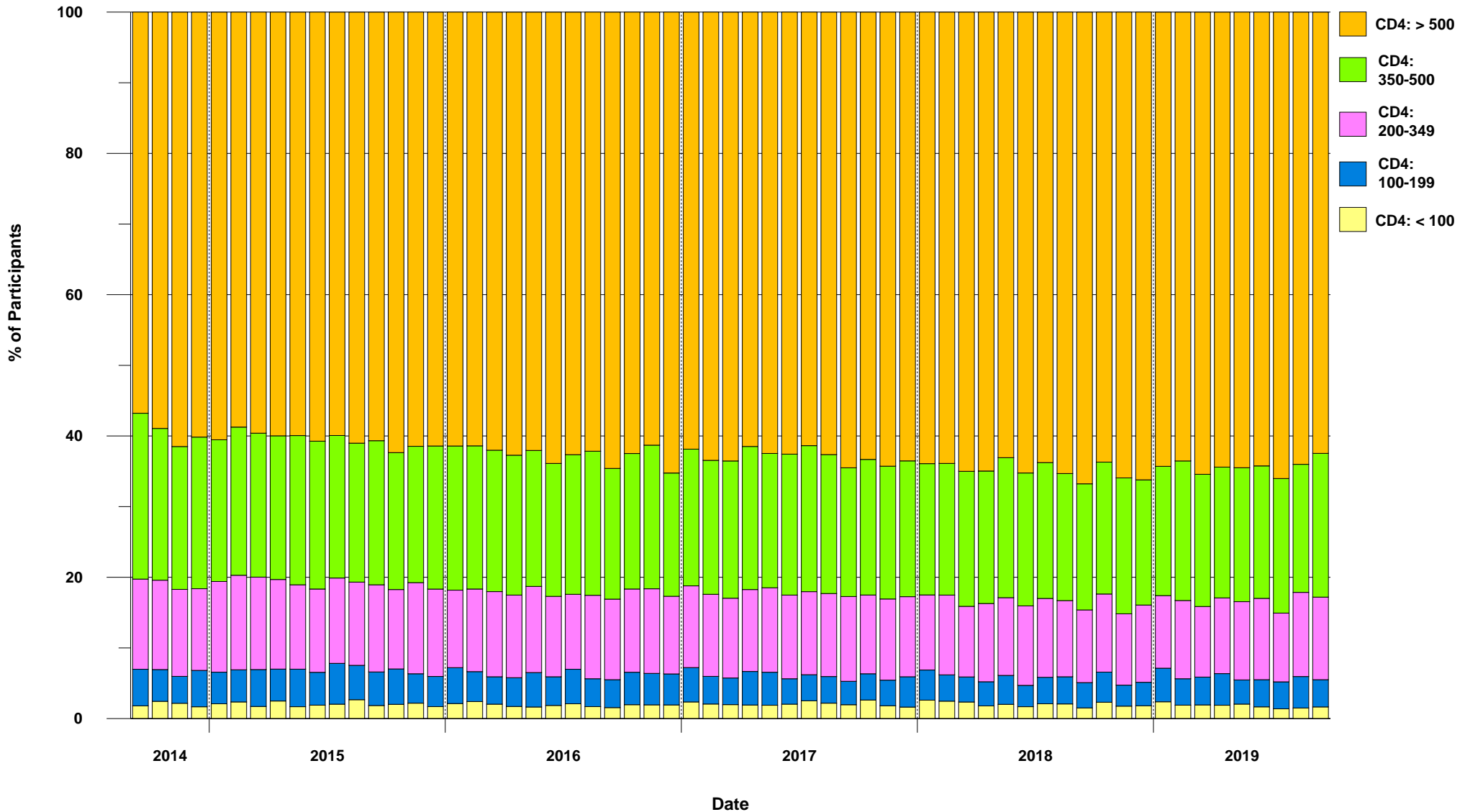


1.5 BC-CfE Enrollment: New Antiretroviral Participants (September 2014 - September 2019)



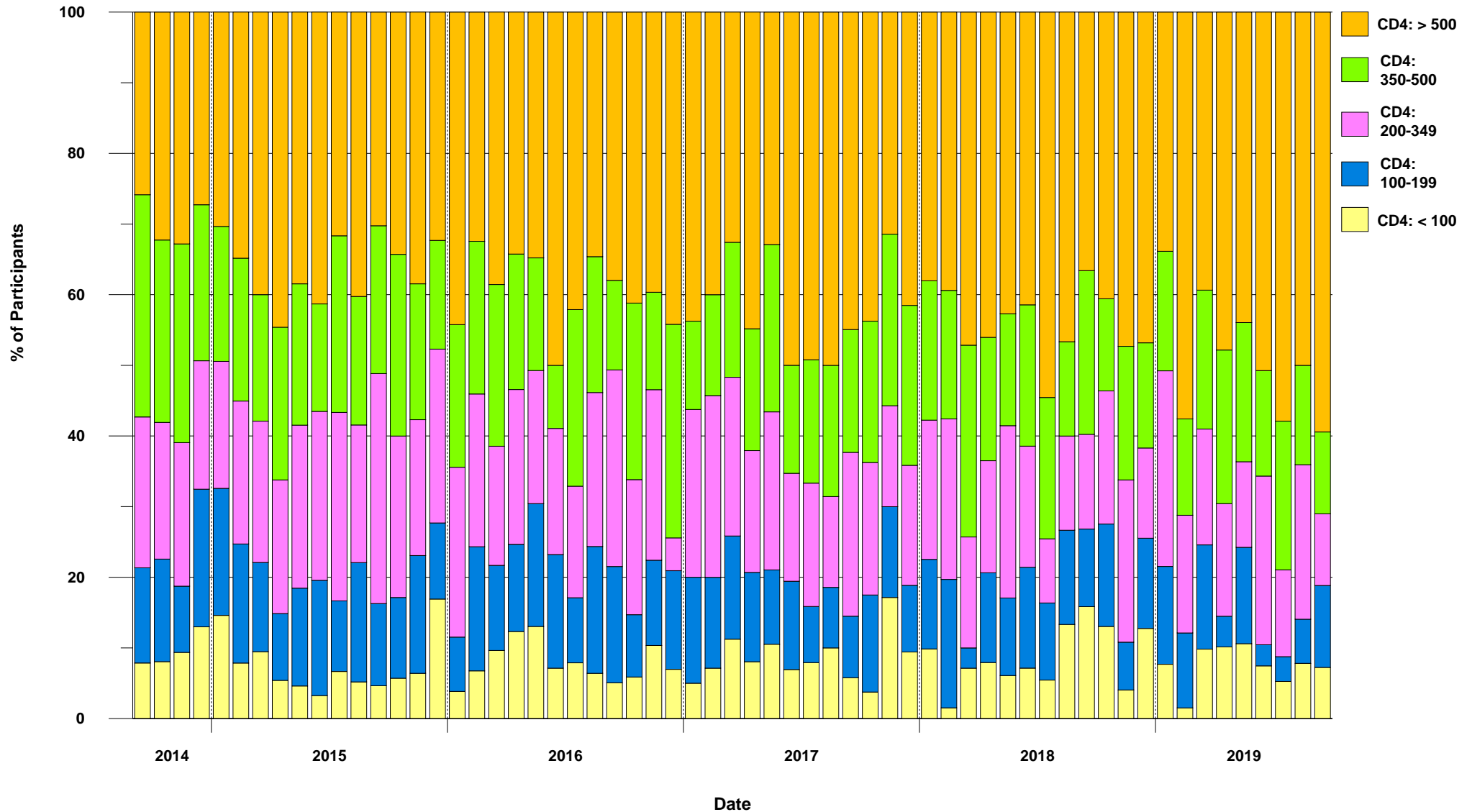


1.6 Percent Distribution of Active Participants by CD4 Count
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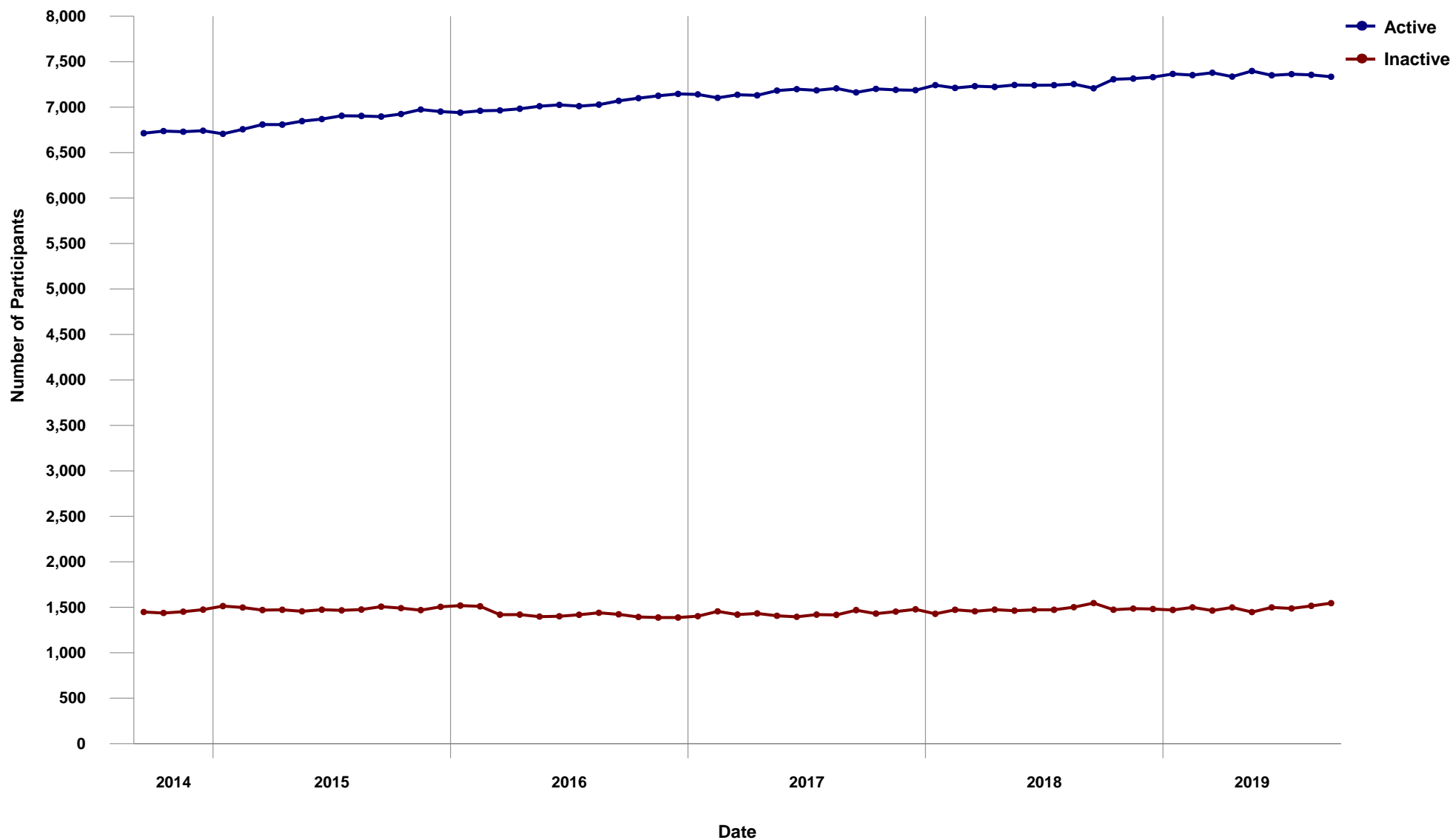


1.7 Percent Distribution of Inactive Participants by CD4 Count (September 2014 - September 2019)



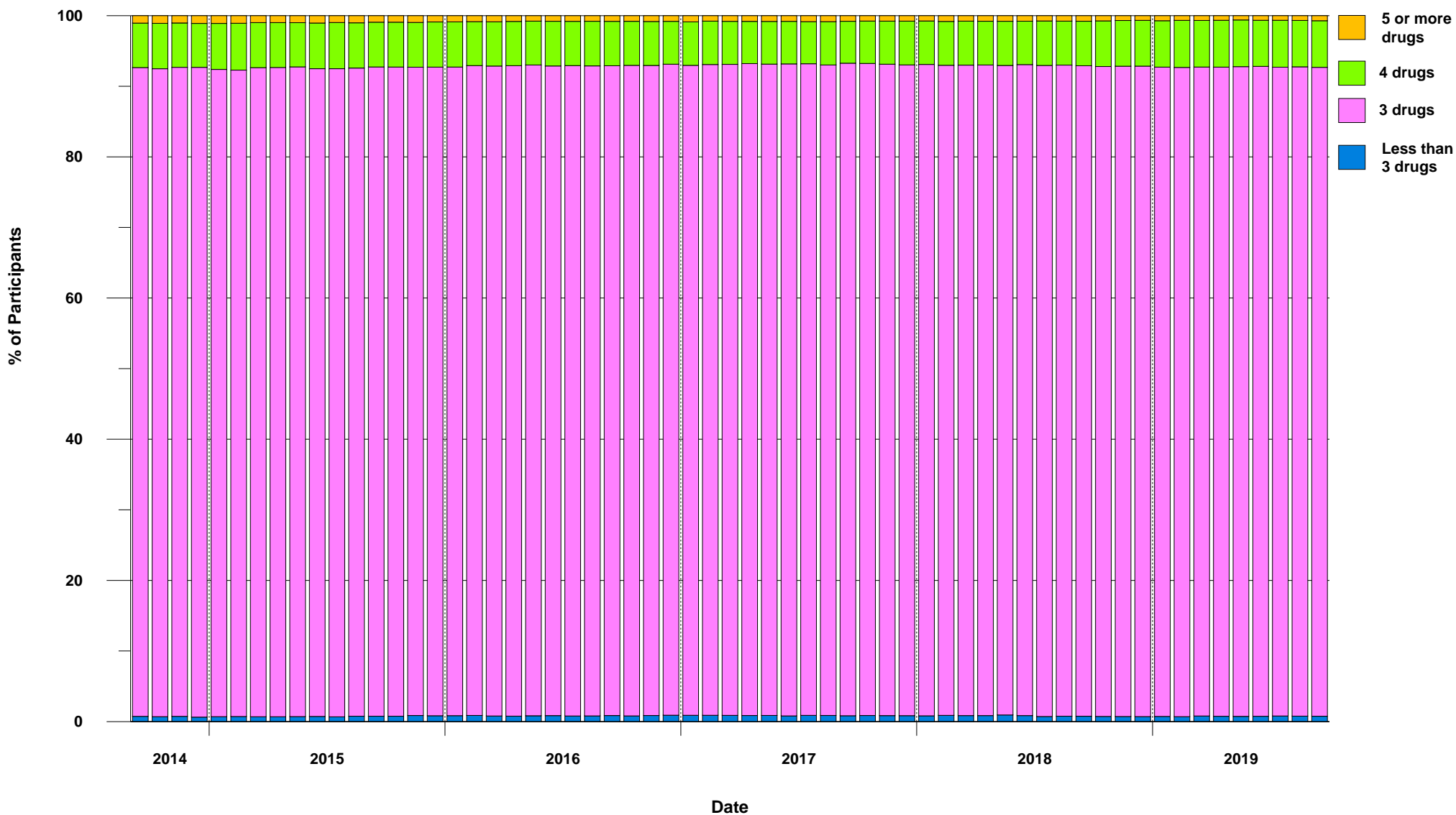


1.8 Active and Inactive Participants (September 2014 - September 2019)



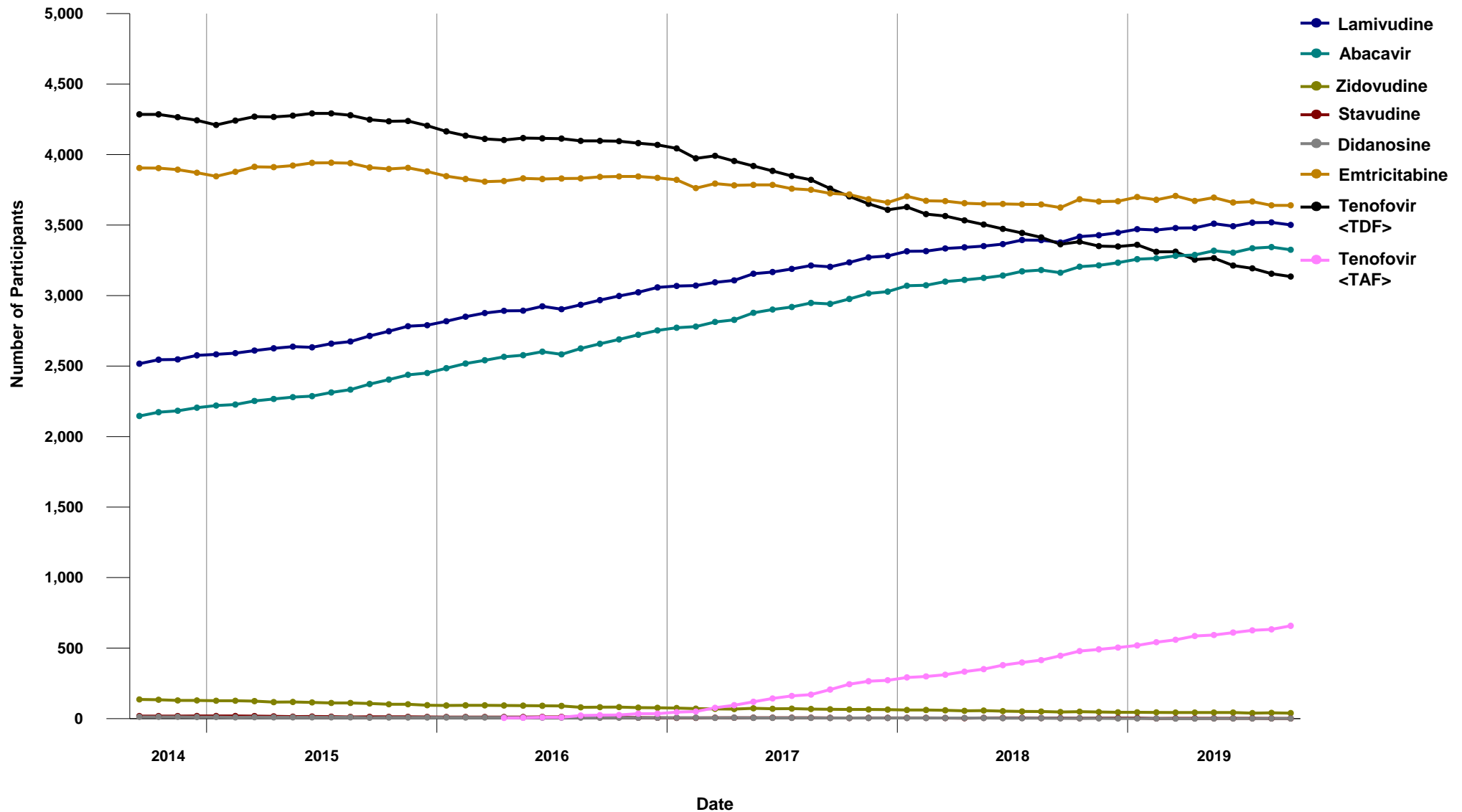


1.9 Percent Distribution of Participants on ARV Therapy by Number of Drugs (September 2014 - September 2019)





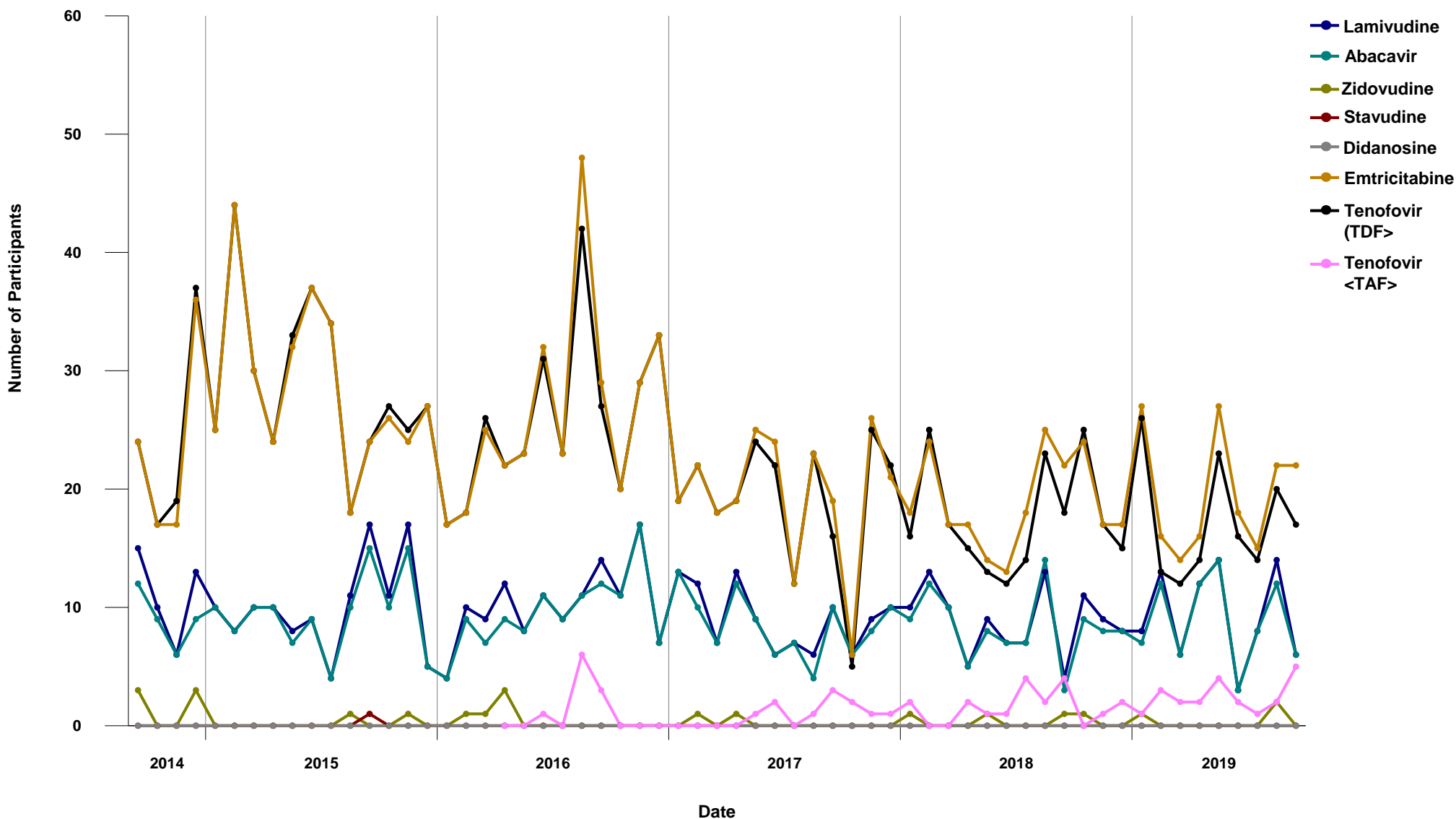
1.10 Distribution of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT (September 2014 - September 2019)





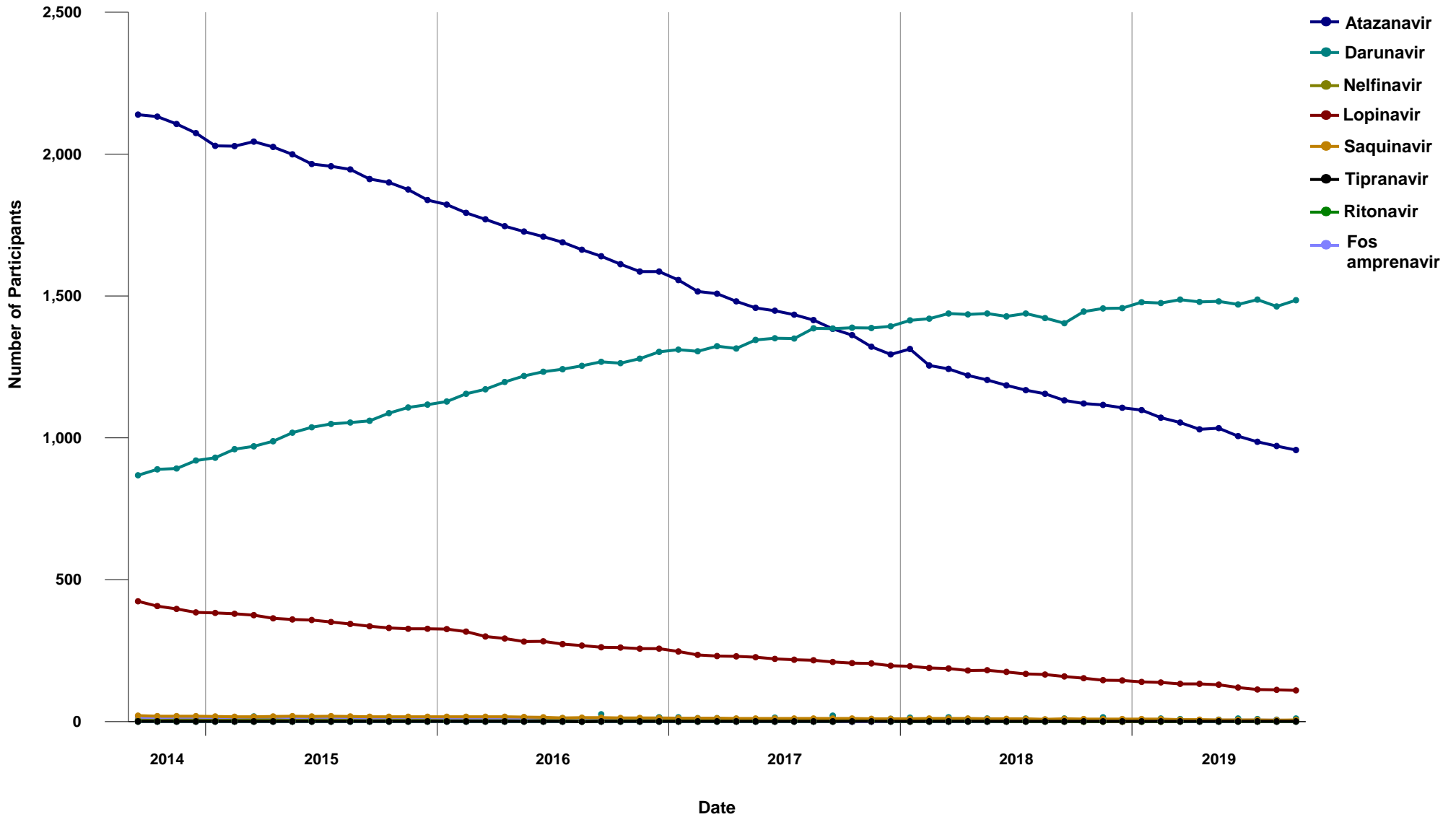
1.11 Distribution of Participants on Nucleoside/Nucleotide Analogues at the time of first start of ARV Therapy by INGREDIENT

(September 2014 - September 2019)





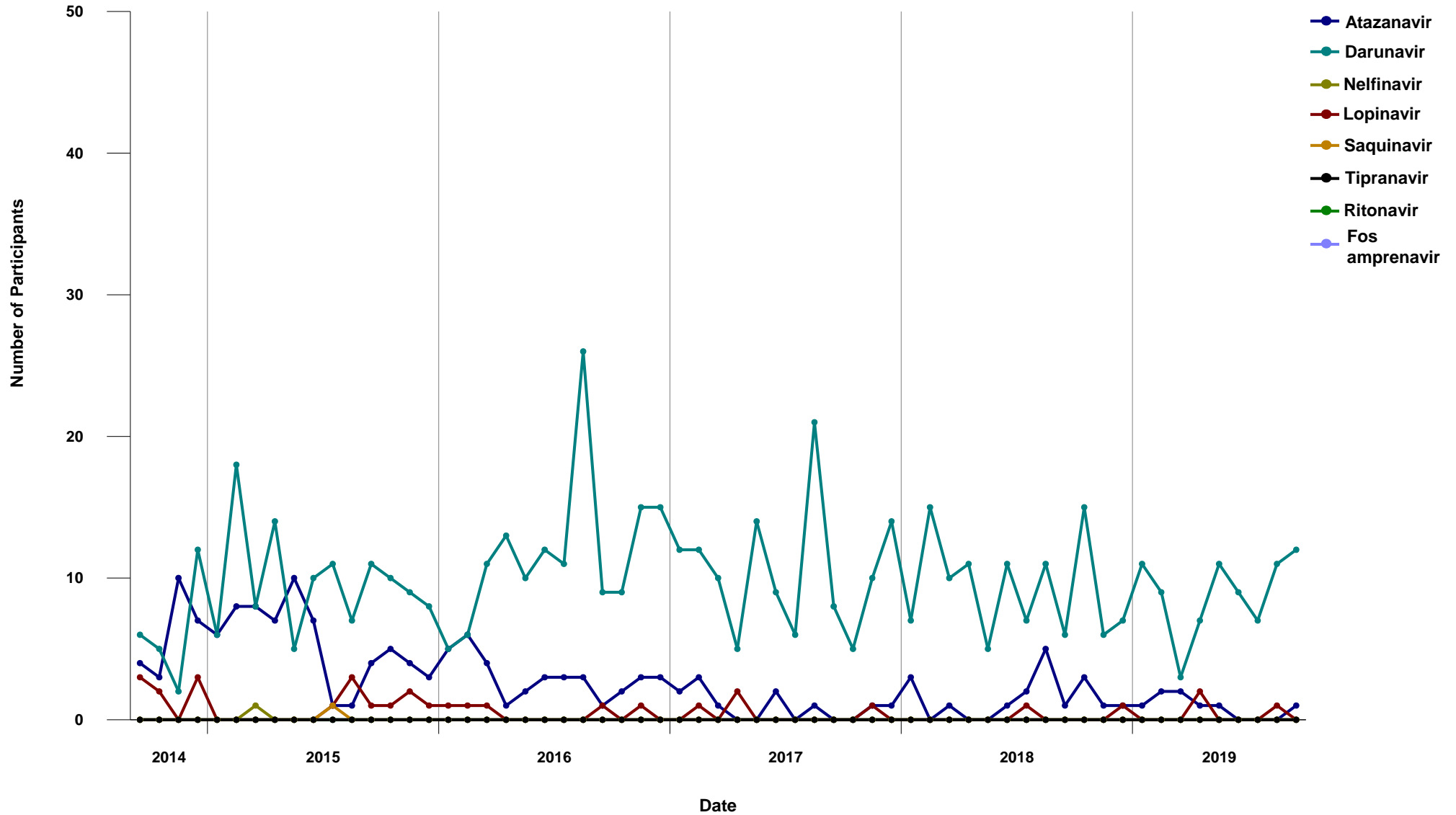
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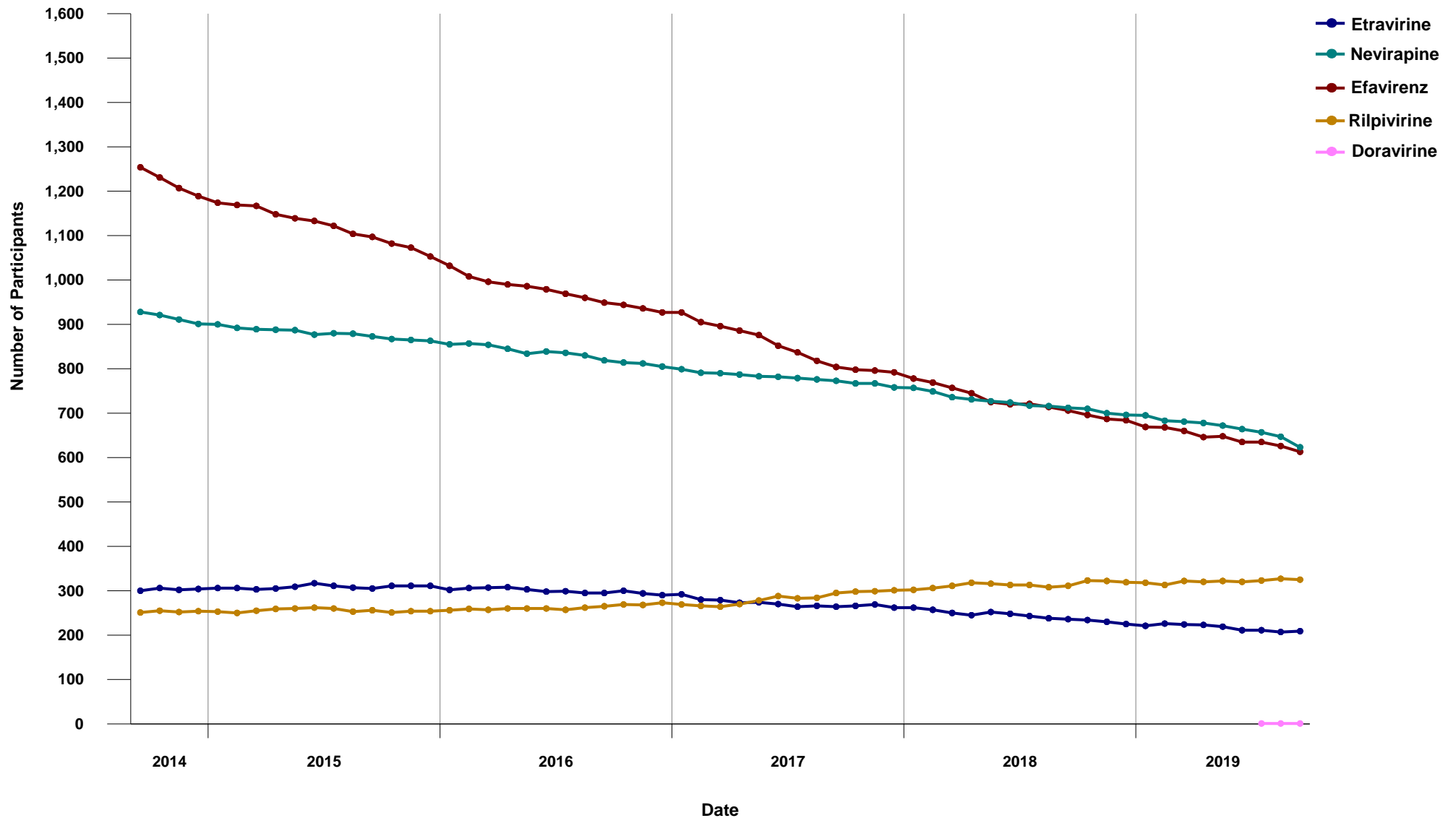
1.13 Distribution of Participants on Protease Inhibitor at the time of first start of ARV Therapy by INGREDIENT

(September 2014 - September 2019)





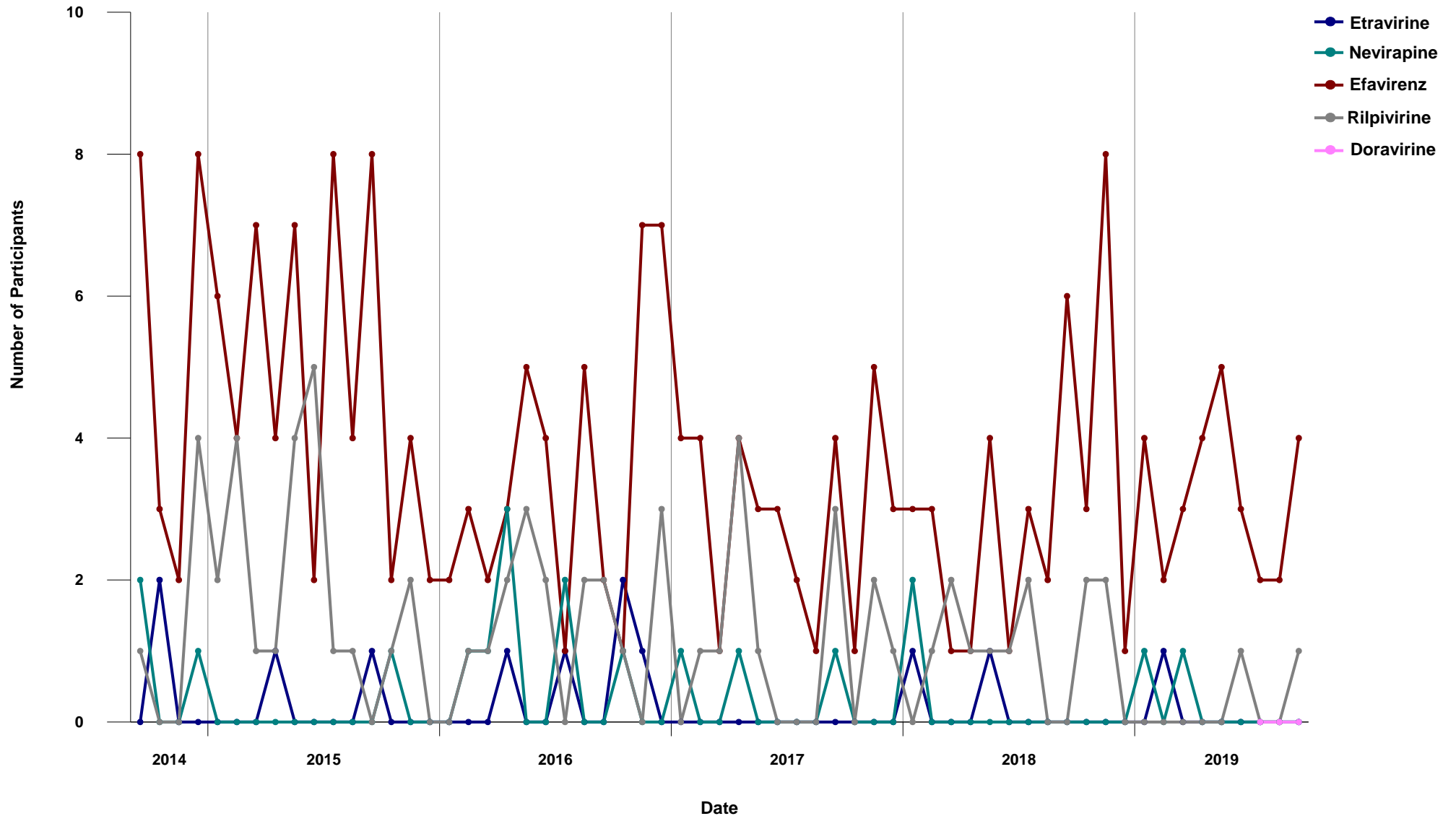
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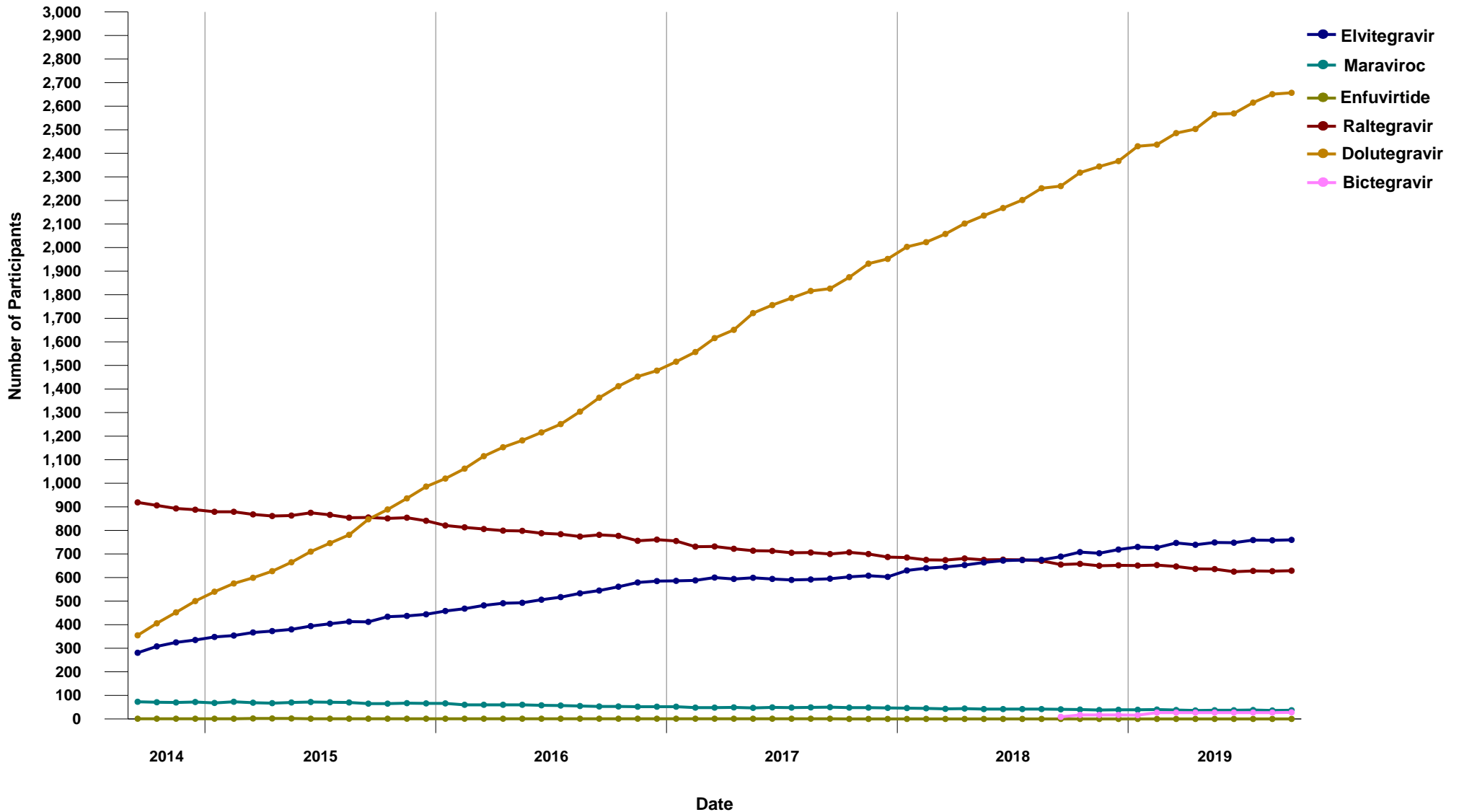
1.15 Distribution of Participants on Non-Nucleosides at the time of first start of ARV Therapy by INGREDIENT

(September 2014 - September 2019)





1.16 Distribution of Participants on Entry/Integrase Inhibitors by INGREDIENT (September 2014 - September 2019)



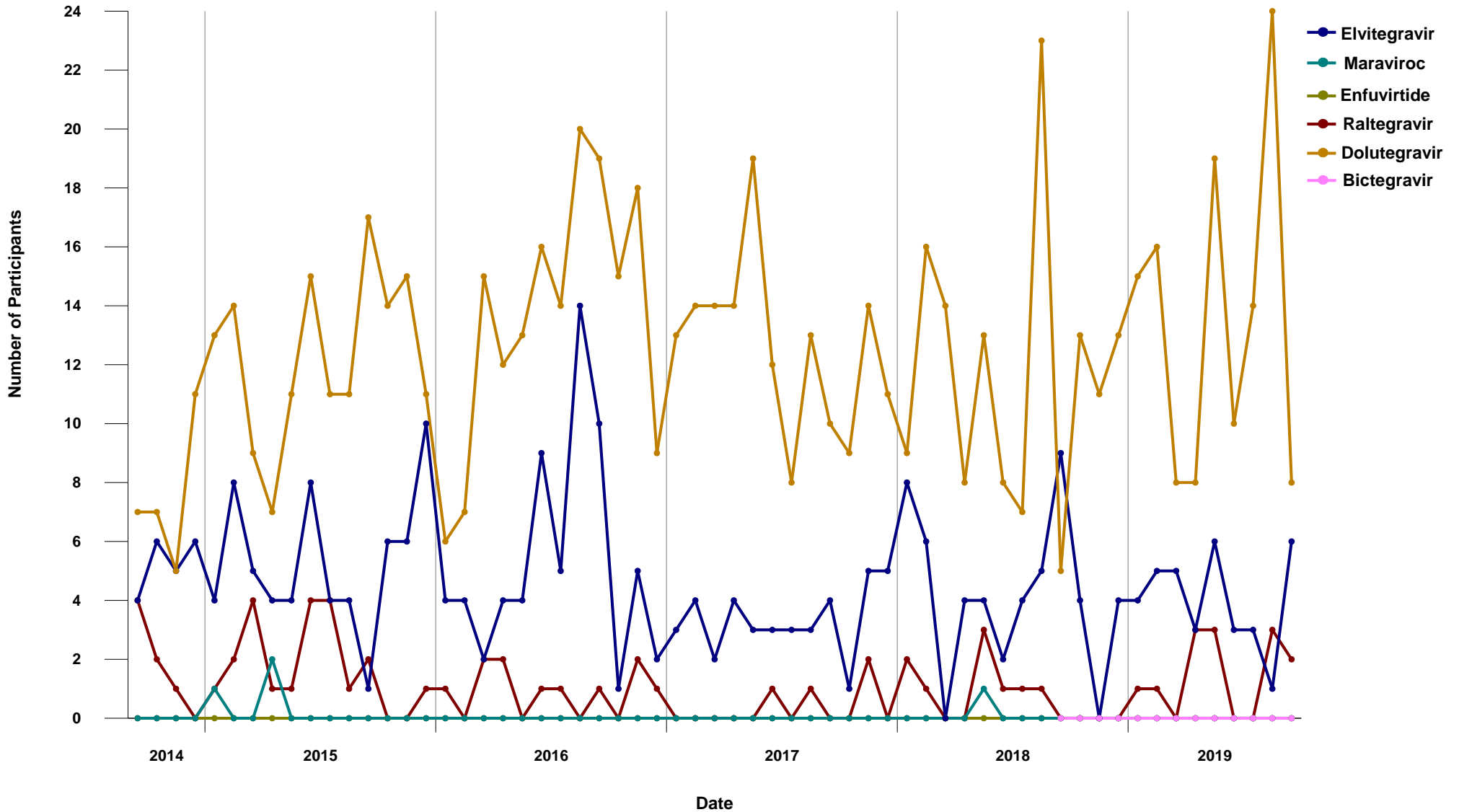
Bictegravir not currently available on BC-CfE Formulary. Drug supplied by the manufacturer for study rollover purposes





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

(September 2014 - September 2019)

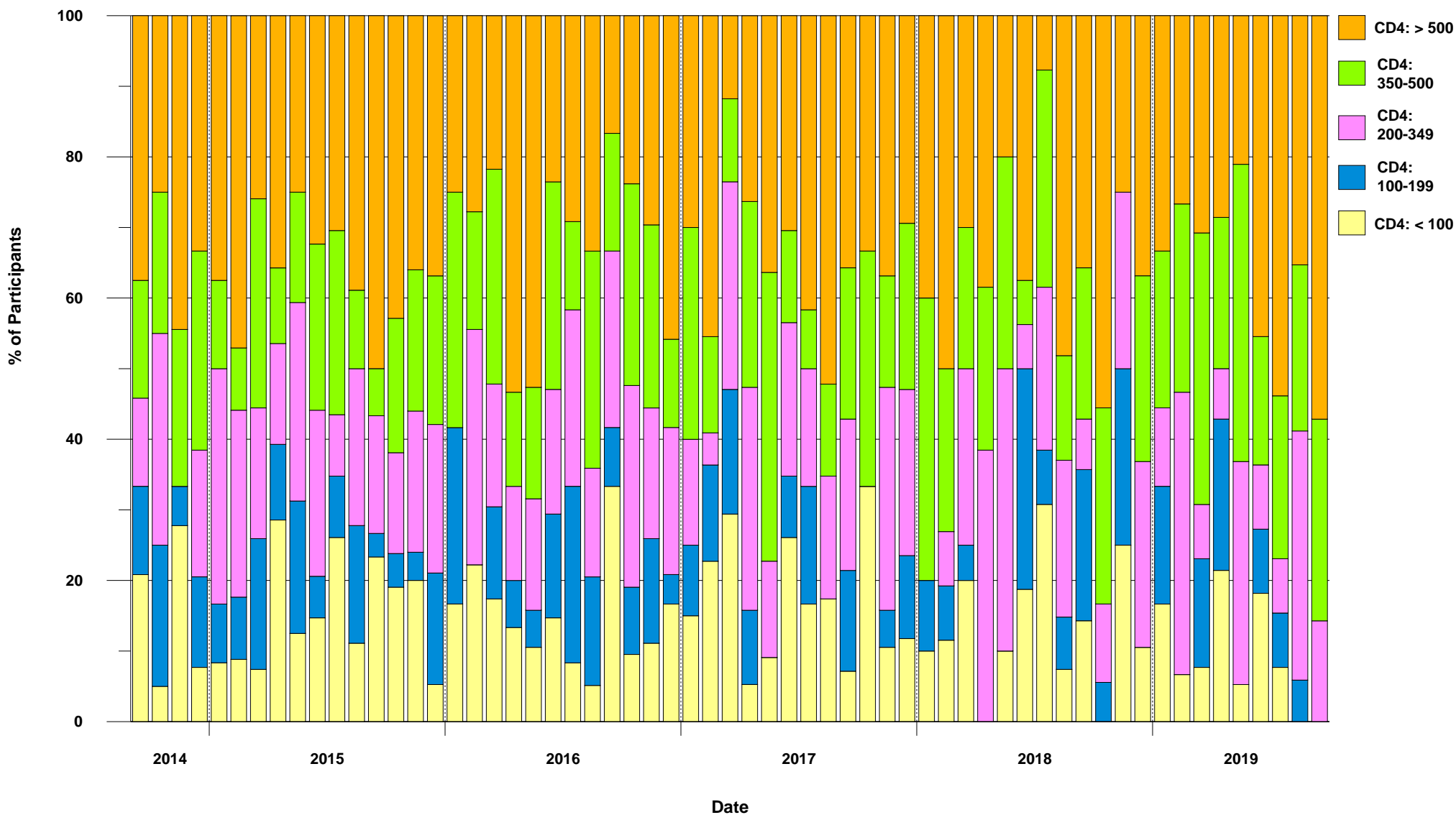


Bictegravir not currently available on BC-CfE Formulary. Drug supplied by the manufacturer for study rollover purposes



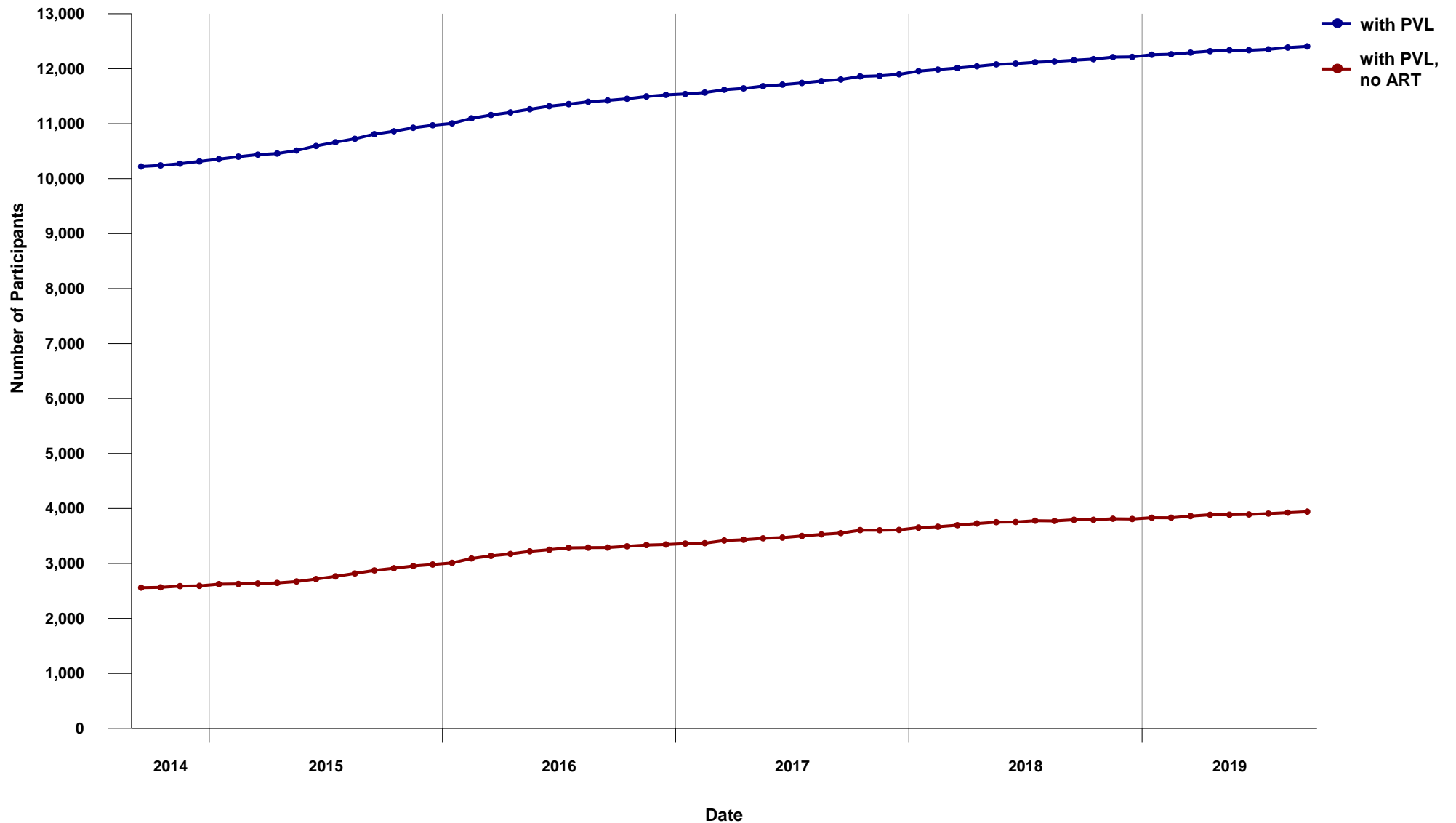


1.18 Baseline CD4 for Antiretroviral First Starts
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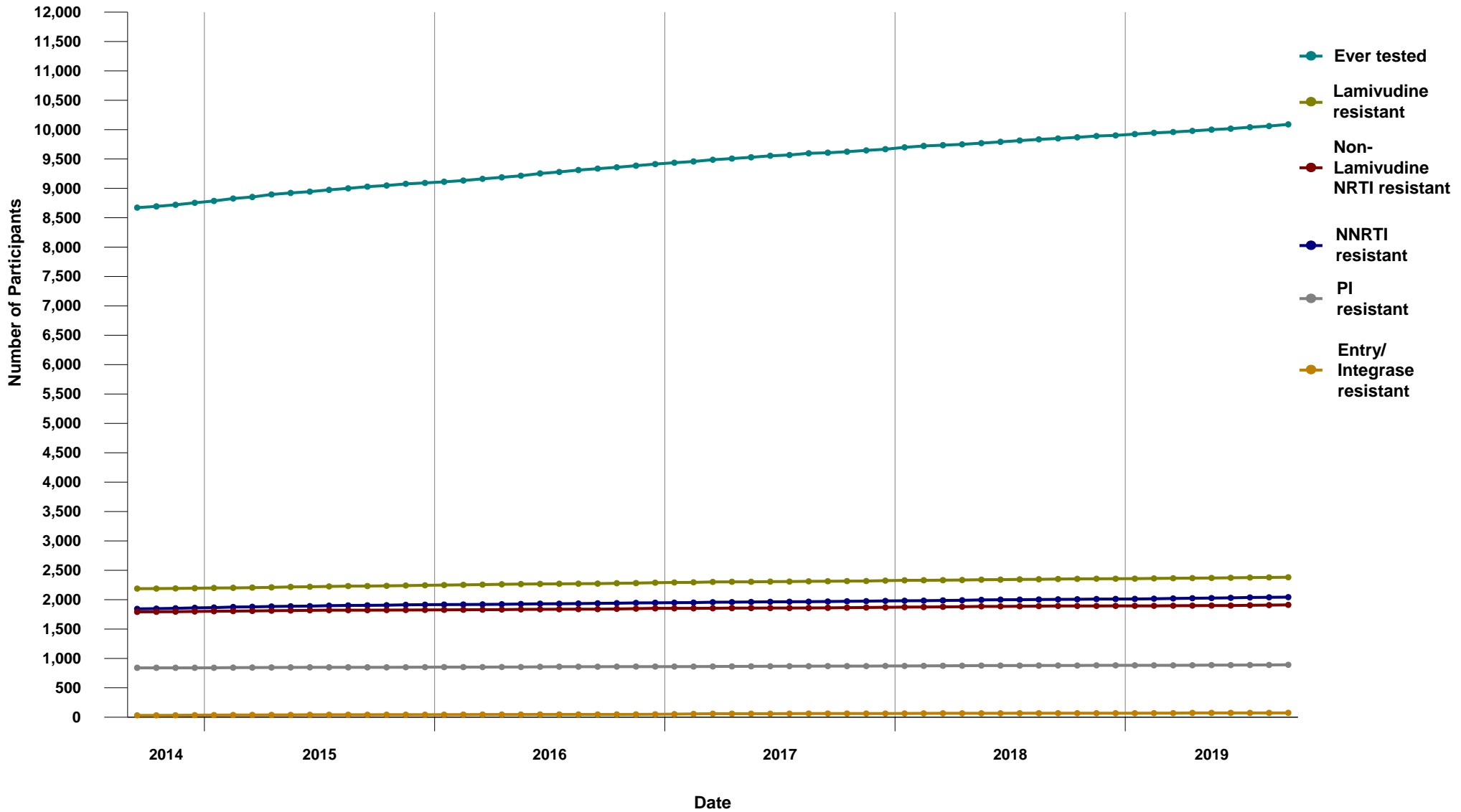


**1.19 DTP Participants with PVL Measurement within previous five years, and never on ART
(September 2014 - September 2019)**



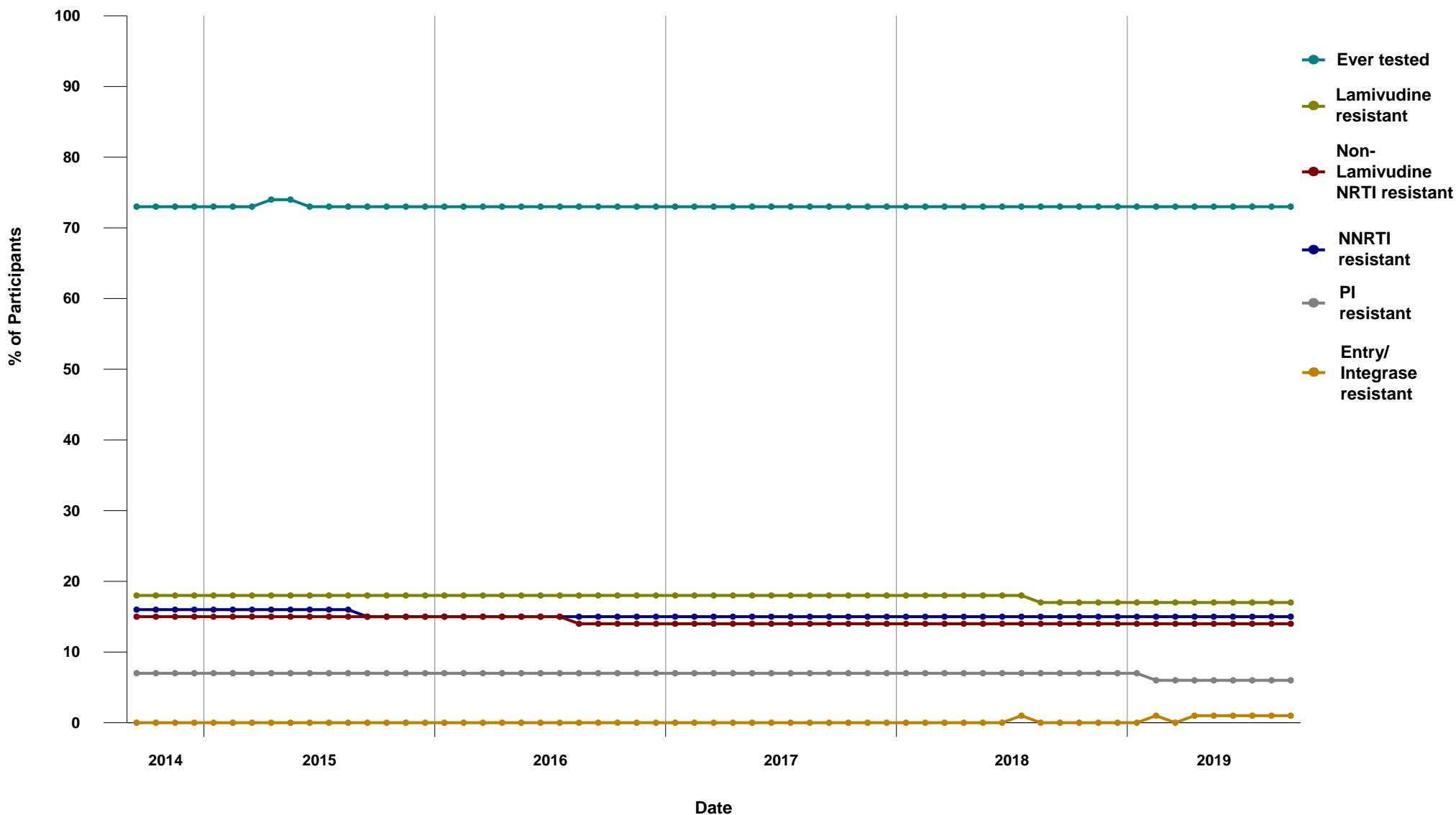


1.20 Cumulative Resistance Testing Results by Resistance Category (September 2014 - September 2019)





1.21 Percent of Participants ever on ARV - Resistance Testing Results by Resistance Category (September 2014 - September 2019)





**2.1 Duration of ARV treatment in the Province of BC, 1987-2019
(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	27	5	0	5	2	575	5	<40	3
1988	28	6	0	6	5	400	6	<40	3
1989	26	53	1	54	43	510	54	<40	3
1990	25	52	1	53	36	460	52	<40	3
1991	25	38	3	41	26	565	40	<40	3
1992	25	63	4	67	43	520	66	<40	3
1993	24	132	15	147	126	535	145	<40	3
1994	23	81	12	93	72	540	90	<40	3
1995	23	133	22	155	125	530	150	<40	3
1996	21	347	55	402	313	580	388	<40	3
1997	19	281	32	313	248	655	293	<40	3
1998	18	196	42	238	182	555	225	<40	3
1999	18	159	40	199	153	570	191	<40	3
2000	18	126	30	156	125	590	149	<40	3
2001	18	122	28	150	111	590	142	<40	3
2002	17	128	27	155	119	560	146	<40	3
2003	16	156	29	185	139	610	180	<40	3
2004	15	159	39	198	152	580	187	<40	3
2005	14	189	44	233	189	650	221	<40	3
2006	13	185	41	226	179	620	216	<40	3
2007	12	257	51	308	251	630	286	<40	3
2008	11	291	63	354	283	640	337	<40	3
2009	10	311	69	380	298	650	359	<40	3
2010	9	281	72	353	287	630	333	<40	3
2011	8	331	71	402	313	680	378	<40	3
2012	7	272	62	334	267	700	319	<40	3
2013	6	267	65	332	259	660	312	<40	3
2014	5	280	55	335	253	700	313	<40	3
2015	4	290	45	335	265	680	317	<40	3
2016	3	277	56	333	254	665	309	<40	3
2017	2	238	33	271	227	620	257	<40	3
2018	1	223	53	276	225	630	266	<40	3
2019	0	206	39	245	212	610	237	<40	3
Total:		6135	1199	7334					

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-2018	7281	750	2385	<40	2109	610
FEB-2018	7245	763	1904	<40	1744	610
MAR-2018	7270	769	2050	<40	1831	617
APR-2018	7256	776	2080	<40	1841	620
MAY-2018	7274	773	2147	<40	1928	600
JUN-2018	7274	787	2003	<40	1786	610
JUL-2018	7284	785	2037	<40	1810	600
AUG-2018	7289	794	2092	<40	1874	620
SEP-2018	7244	794	2015	<40	1787	620
OCT-2018	7338	773	2170	<40	1945	610
NOV-2018	7341	780	2091	<40	1814	630
DEC-2018	7358	787	1747	<40	1536	620
JAN-2019	7398	792	2456	<40	2142	610
FEB-2019	7380	799	1854	<40	1579	620
MAR-2019	7420	790	2086	<40	1752	610
APR-2019	7378	793	2144	<40	1744	610
MAY-2019	7434	793	2127	<40	1752	620
JUN-2019	7388	803	1928	<40	1563	610
JUL-2019	7397	807	2113	<40	1654	620
AUG-2019	7380	810	2109	<40	1528	610
SEP-2019	7361	810	2016	<40	1454	600

Definitions:

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

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

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





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

MON-YYYY	# of patients	Median # days of off therapy	# of patients with PVL test	Median PVL	# of patients with CD4 test	Median CD4
JAN-2018	1428	3315	79	890	71	380
FEB-2018	1472	3112	78	1136	66	440
MAR-2018	1456	3198	75	59	70	485
APR-2018	1474	3163	72	634	63	497
MAY-2018	1462	3229	93	<40	82	455
JUN-2018	1472	3230	73	1080	70	440
JUL-2018	1472	3261	70	<40	55	570
AUG-2018	1501	3172	64	63	60	485
SEP-2018	1546	2985	88	220	82	410
OCT-2018	1473	3335	79	<50	69	350
NOV-2018	1485	3311	81	91	74	480
DEC-2018	1481	3343	57	355	47	490
JAN-2019	1470	3415	73	73	65	350
FEB-2019	1499	3328	75	108	66	590
MAR-2019	1463	3500	73	1040	61	400
APR-2019	1498	3392	79	<50	69	500
MAY-2019	1447	3623	78	87	66	455
JUN-2019	1498	3446	76	<40	67	510
JUL-2019	1487	3513	69	<40	57	530
AUG-2019	1515	3441	77	65	64	505
SEP-2019	1545	3304	92	<40	69	580

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-2018	7242	1428	12	12	193	127	56	13218
FEB-2018	7211	1472	11	27	125	169	-31	13255
MAR-2018	7231	1456	17	21	158	138	20	13282
APR-2018	7223	1474	12	15	154	161	-8	13304
MAY-2018	7244	1462	9	12	174	153	21	13329
JUN-2018	7240	1472	13	16	152	156	-4	13351
JUL-2018	7242	1472	13	13	165	155	2	13377
AUG-2018	7253	1501	9	27	158	159	11	13416
SEP-2018	7207	1546	14	15	155	195	-46	13442
OCT-2018	7306	1473	8	19	218	126	99	13478
NOV-2018	7314	1485	5	9	171	164	8	13504
DEC-2018	7330	1481	11	19	152	142	16	13529
JAN-2019	7365	1470	14	20	191	159	35	13564
FEB-2019	7352	1499	7	16	160	179	-13	13593
MAR-2019	7378	1463	15	13	188	147	26	13613
APR-2019	7336	1498	10	16	150	178	-42	13641
MAY-2019	7397	1447	11	21	195	138	61	13683
JUN-2019	7350	1498	14	13	138	181	-47	13704
JUL-2019	7363	1487	13	13	177	161	13	13727
AUG-2019	7355	1515	12	18	164	176	-8	13763
SEP-2019	7334	1545	13	16	180	200	-21	13791

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-2018	60	6718	448	55	7281	0.82%	92.27%	6.15%	0.76%	100.00%
FEB-2018	64	6672	450	59	7245	0.88%	92.09%	6.21%	0.81%	100.00%
MAR-2018	62	6699	453	56	7270	0.85%	92.15%	6.23%	0.77%	100.00%
APR-2018	62	6688	449	57	7256	0.85%	92.17%	6.19%	0.79%	100.00%
MAY-2018	69	6692	455	58	7274	0.95%	92.00%	6.26%	0.80%	100.00%
JUN-2018	62	6708	447	57	7274	0.85%	92.22%	6.15%	0.78%	100.00%
JUL-2018	53	6718	458	55	7284	0.73%	92.23%	6.29%	0.76%	100.00%
AUG-2018	56	6723	454	56	7289	0.77%	92.23%	6.23%	0.77%	100.00%
SEP-2018	55	6676	456	57	7244	0.76%	92.16%	6.29%	0.79%	100.00%
OCT-2018	54	6756	474	54	7338	0.74%	92.07%	6.46%	0.74%	100.00%
NOV-2018	53	6763	475	50	7341	0.72%	92.13%	6.47%	0.68%	100.00%
DEC-2018	52	6780	477	49	7358	0.71%	92.14%	6.48%	0.67%	100.00%
JAN-2019	54	6805	486	53	7398	0.73%	91.98%	6.57%	0.72%	100.00%
FEB-2019	52	6787	492	49	7380	0.70%	91.96%	6.67%	0.66%	100.00%
MAR-2019	59	6821	490	50	7420	0.80%	91.93%	6.60%	0.67%	100.00%
APR-2019	56	6784	490	48	7378	0.76%	91.95%	6.64%	0.65%	100.00%
MAY-2019	55	6842	492	45	7434	0.74%	92.04%	6.62%	0.61%	100.00%
JUN-2019	56	6802	482	48	7388	0.76%	92.07%	6.52%	0.65%	100.00%
JUL-2019	59	6798	492	48	7397	0.80%	91.90%	6.65%	0.65%	100.00%
AUG-2019	58	6787	485	50	7380	0.79%	91.96%	6.57%	0.68%	100.00%
SEP-2019	56	6766	486	53	7361	0.76%	91.92%	6.60%	0.72%	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		tenofovir <TAF>		tenofovir <TDF>	
	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All
JAN-2018	10 36%	3314 47%	9 32%	3070 43%	1 4%	61 1%	0 0%	5 0%	0 0%	4 0%	2 7%	292 4%	16 57%	3628 51%
FEB-2018	13 35%	3315 47%	12 32%	3073 44%	0 0%	61 1%	0 0%	5 0%	0 0%	4 0%	0 0%	299 4%	25 68%	3578 51%
MAR-2018	10 37%	3334 47%	10 37%	3099 44%	0 0%	59 1%	0 0%	4 0%	0 0%	4 0%	0 0%	311 4%	17 63%	3564 50%
APR-2018	5 23%	3342 47%	5 23%	3111 44%	0 0%	55 1%	0 0%	3 0%	0 0%	4 0%	2 9%	333 5%	15 68%	3533 50%
MAY-2018	9 39%	3351 48%	8 35%	3125 44%	1 4%	57 1%	0 0%	5 0%	0 0%	4 0%	1 4%	351 5%	13 57%	3504 50%
JUN-2018	7 35%	3365 48%	7 35%	3142 45%	0 0%	53 1%	0 0%	5 0%	0 0%	3 0%	1 5%	379 5%	12 60%	3473 49%
JUL-2018	7 28%	3394 48%	7 28%	3172 45%	0 0%	51 1%	0 0%	5 0%	0 0%	3 0%	4 16%	398 6%	14 56%	3444 49%
AUG-2018	13 33%	3393 48%	14 36%	3181 45%	0 0%	50 1%	0 0%	4 0%	0 0%	3 0%	2 5%	415 6%	23 59%	3413 48%
SEP-2018	4 15%	3377 48%	3 12%	3162 45%	1 4%	47 1%	0 0%	4 0%	0 0%	2 0%	4 15%	446 6%	18 69%	3364 48%
OCT-2018	11 31%	3418 48%	9 26%	3205 45%	1 3%	49 1%	0 0%	3 0%	0 0%	2 0%	0 0%	479 7%	25 71%	3382 47%
NOV-2018	9 35%	3428 48%	8 31%	3214 45%	0 0%	47 1%	0 0%	4 0%	0 0%	2 0%	1 4%	491 7%	17 65%	3351 47%
DEC-2018	8 32%	3446 48%	8 32%	3233 45%	0 0%	45 1%	0 0%	4 0%	0 0%	1 0%	2 8%	504 7%	15 60%	3348 47%
JAN-2019	8 23%	3471 48%	7 20%	3258 45%	1 3%	45 1%	0 0%	4 0%	0 0%	1 0%	1 3%	519 7%	26 74%	3360 47%
FEB-2019	13 45%	3465 48%	12 41%	3264 45%	0 0%	44 1%	0 0%	1 0%	0 0%	1 0%	3 10%	542 8%	13 45%	3310 46%
MAR-2019	6 30%	3479 48%	6 30%	3282 45%	0 0%	43 1%	0 0%	2 0%	0 0%	0 0%	2 10%	559 8%	12 60%	3311 46%
APR-2019	12 43%	3480 48%	12 43%	3288 46%	0 0%	43 1%	0 0%	2 0%	0 0%	0 0%	2 7%	586 8%	14 50%	3255 45%
MAY-2019	14 34%	3510 49%	14 34%	3318 46%	0 0%	43 1%	0 0%	2 0%	0 0%	1 0%	4 10%	593 8%	23 56%	3266 45%
JUN-2019	3 14%	3492 49%	3 14%	3304 46%	0 0%	43 1%	0 0%	2 0%	0 0%	1 0%	2 10%	610 8%	16 76%	3213 45%
JUL-2019	8 35%	3517 49%	8 35%	3336 46%	0 0%	39 1%	0 0%	2 0%	0 0%	1 0%	1 4%	626 9%	14 61%	3193 44%
AUG-2019	14 39%	3519 49%	12 33%	3344 47%	2 6%	41 1%	0 0%	1 0%	0 0%	1 0%	2 6%	633 9%	20 56%	3155 44%
SEP-2019	6 21%	3501 49%	6 21%	3325 46%	0 0%	39 1%	0 0%	1 0%	0 0%	1 0%	5 18%	658 9%	17 61%	3135 44%

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-2018	18	64%	3704	52%
FEB-2018	24	65%	3672	52%
MAR-2018	17	63%	3670	52%
APR-2018	17	77%	3655	52%
MAY-2018	14	61%	3650	52%
JUN-2018	13	65%	3650	52%
JUL-2018	18	72%	3647	52%
AUG-2018	25	64%	3646	52%
SEP-2018	22	85%	3624	51%
OCT-2018	24	69%	3683	52%
NOV-2018	17	65%	3667	51%
DEC-2018	17	68%	3669	51%
JAN-2019	27	77%	3699	51%
FEB-2019	16	55%	3679	51%
MAR-2019	14	70%	3707	51%
APR-2019	16	57%	3671	51%
MAY-2019	27	66%	3695	51%
JUN-2019	18	86%	3660	51%
JUL-2019	15	65%	3667	51%
AUG-2019	22	61%	3640	51%
SEP-2019	22	79%	3640	51%

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

	fosamprenavir		atazanavir		darunavir		lopinavir		nelfinavir		ritonavir		saquinavir	
	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All
JAN-2018	0 0%	8 0%	3 30%	1313 45%	7 70%	1414 48%	0 0%	195 7%	0 0%	1 0%	0 0%	1 0%	0 0%	10 0%
FEB-2018	0 0%	6 0%	0 0%	1255 44%	15 100%	1420 49%	0 0%	189 7%	0 0%	2 0%	0 0%	1 0%	0 0%	11 0%
MAR-2018	0 0%	7 0%	1 9%	1243 43%	10 91%	1438 50%	0 0%	187 6%	0 0%	2 0%	0 0%	1 0%	0 0%	11 0%
APR-2018	0 0%	6 0%	0 0%	1220 43%	11 100%	1435 50%	0 0%	180 6%	0 0%	2 0%	0 0%	1 0%	0 0%	11 0%
MAY-2018	0 0%	7 0%	0 0%	1204 42%	5 100%	1438 51%	0 0%	181 6%	0 0%	2 0%	0 0%	1 0%	0 0%	10 0%
JUN-2018	0 0%	7 0%	1 8%	1185 42%	11 92%	1428 51%	0 0%	175 6%	0 0%	1 0%	0 0%	1 0%	0 0%	10 0%
JUL-2018	0 0%	7 0%	2 20%	1168 42%	7 70%	1438 52%	1 10%	168 6%	0 0%	1 0%	0 0%	1 0%	0 0%	10 0%
AUG-2018	0 0%	7 0%	5 31%	1155 42%	11 69%	1422 52%	0 0%	166 6%	0 0%	1 0%	0 0%	1 0%	0 0%	8 0%
SEP-2018	0 0%	7 0%	1 14%	1132 42%	6 86%	1404 52%	0 0%	159 6%	0 0%	1 0%	0 0%	1 0%	0 0%	10 0%
OCT-2018	0 0%	7 0%	3 17%	1121 41%	15 83%	1445 53%	0 0%	153 6%	0 0%	0 0%	0 0%	1 0%	0 0%	9 0%
NOV-2018	0 0%	6 0%	1 14%	1116 41%	6 86%	1456 53%	0 0%	146 5%	0 0%	0 0%	0 0%	1 0%	0 0%	9 0%
DEC-2018	0 0%	5 0%	1 11%	1106 41%	7 78%	1457 54%	1 11%	145 5%	0 0%	0 0%	0 0%	2 0%	0 0%	9 0%
JAN-2019	0 0%	6 0%	1 8%	1098 40%	11 92%	1478 54%	0 0%	140 5%	0 0%	0 0%	0 0%	1 0%	0 0%	9 0%
FEB-2019	0 0%	5 0%	2 18%	1071 40%	9 82%	1475 55%	0 0%	138 5%	0 0%	0 0%	0 0%	1 0%	0 0%	9 0%
MAR-2019	0 0%	5 0%	2 40%	1054 39%	3 60%	1487 55%	0 0%	133 5%	0 0%	1 0%	0 0%	1 0%	0 0%	7 0%
APR-2019	0 0%	5 0%	1 10%	1030 39%	7 70%	1479 56%	2 20%	133 5%	0 0%	2 0%	0 0%	1 0%	0 0%	7 0%
MAY-2019	0 0%	5 0%	1 8%	1034 39%	11 92%	1481 56%	0 0%	130 5%	0 0%	2 0%	0 0%	1 0%	0 0%	6 0%
JUN-2019	0 0%	5 0%	0 0%	1006 39%	9 100%	1470 57%	0 0%	120 5%	0 0%	1 0%	0 0%	1 0%	0 0%	6 0%
JUL-2019	0 0%	5 0%	0 0%	986 38%	7 100%	1487 57%	0 0%	113 4%	0 0%	1 0%	0 0%	1 0%	0 0%	6 0%
AUG-2019	0 0%	5 0%	0 0%	971 38%	11 92%	1463 57%	1 8%	112 4%	0 0%	1 0%	0 0%	1 0%	0 0%	5 0%
SEP-2019	0 0%	4 0%	1 8%	957 37%	12 92%	1485 58%	0 0%	110 4%	0 0%	1 0%	0 0%	1 0%	0 0%	6 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-2018	0	0%	1	0%
FEB-2018	0	0%	1	0%
MAR-2018	0	0%	1	0%
APR-2018	0	0%	1	0%
MAY-2018	0	0%	1	0%
JUN-2018	0	0%	1	0%
JUL-2018	0	0%	1	0%
AUG-2018	0	0%	1	0%
SEP-2018	0	0%	1	0%
OCT-2018	0	0%	1	0%
NOV-2018	0	0%	1	0%
DEC-2018	0	0%	1	0%
JAN-2019	0	0%	1	0%
FEB-2019	0	0%	1	0%
MAR-2019	0	0%	1	0%
APR-2019	0	0%	1	0%
MAY-2019	0	0%	1	0%
JUN-2019	0	0%	1	0%
JUL-2019	0	0%	1	0%
AUG-2019	0	0%	1	0%
SEP-2019	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

	doravirine		efavirenz		etravirine		nevirapine		rilpivirine	
	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All
JAN-2018	0 0%	0 0%	3 50%	778 37%	1 17%	262 12%	2 33%	757 36%	0 0%	302 14%
FEB-2018	0 0%	0 0%	3 75%	769 37%	0 0%	257 12%	0 0%	749 36%	1 25%	306 15%
MAR-2018	0 0%	0 0%	1 33%	757 37%	0 0%	250 12%	0 0%	736 36%	2 67%	311 15%
APR-2018	0 0%	0 0%	1 50%	745 37%	0 0%	245 12%	0 0%	731 36%	1 50%	318 16%
MAY-2018	0 0%	0 0%	4 67%	725 36%	1 17%	252 12%	0 0%	727 36%	1 17%	316 16%
JUN-2018	0 0%	0 0%	1 50%	720 36%	0 0%	248 12%	0 0%	724 36%	1 50%	313 16%
JUL-2018	0 0%	0 0%	3 60%	721 36%	0 0%	243 12%	0 0%	717 36%	2 40%	313 16%
AUG-2018	0 0%	0 0%	2 100%	714 36%	0 0%	238 12%	0 0%	716 36%	0 0%	308 16%
SEP-2018	0 0%	0 0%	6 100%	706 36%	0 0%	236 12%	0 0%	712 36%	0 0%	311 16%
OCT-2018	0 0%	0 0%	3 60%	696 36%	0 0%	234 12%	0 0%	710 36%	2 40%	323 16%
NOV-2018	0 0%	0 0%	8 80%	687 35%	0 0%	230 12%	0 0%	700 36%	2 20%	322 17%
DEC-2018	0 0%	0 0%	1 100%	684 36%	0 0%	225 12%	0 0%	696 36%	0 0%	319 17%
JAN-2019	0 0%	0 0%	4 80%	669 35%	0 0%	221 12%	1 20%	695 37%	0 0%	318 17%
FEB-2019	0 0%	0 0%	2 67%	668 35%	1 33%	226 12%	0 0%	683 36%	0 0%	313 17%
MAR-2019	0 0%	0 0%	3 75%	660 35%	0 0%	224 12%	1 25%	681 36%	0 0%	322 17%
APR-2019	0 0%	0 0%	4 100%	646 35%	0 0%	223 12%	0 0%	678 36%	0 0%	320 17%
MAY-2019	0 0%	0 0%	5 100%	648 35%	0 0%	219 12%	0 0%	672 36%	0 0%	322 17%
JUN-2019	0 0%	0 0%	3 75%	635 35%	0 0%	211 12%	0 0%	664 36%	1 25%	320 18%
JUL-2019	0 0%	1 0%	2 100%	635 35%	0 0%	211 12%	0 0%	657 36%	0 0%	323 18%
AUG-2019	0 0%	1 0%	2 100%	626 35%	0 0%	207 11%	0 0%	647 36%	0 0%	327 18%
SEP-2019	0 0%	1 0%	4 80%	613 35%	0 0%	209 12%	0 0%	623 35%	1 20%	325 18%

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

Doravirine not currently available on BC-CfE Formulary





2.9 Number of Participants on Entry/Integrase Inhibitors by INGREDIENT

	bictegravir		dolutegravir		elvitegravir		maraviroc		raltegravir	
	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All
JAN-2018	0 0%	0 0%	9 47%	2003 60%	8 42%	630 19%	0 0%	46 1%	2 11%	685 21%
FEB-2018	0 0%	0 0%	16 70%	2023 60%	6 26%	640 19%	0 0%	45 1%	1 4%	675 20%
MAR-2018	0 0%	0 0%	14 100%	2058 61%	0 0%	645 19%	0 0%	43 1%	0 0%	674 20%
APR-2018	0 0%	0 0%	8 67%	2102 61%	4 33%	653 19%	0 0%	44 1%	0 0%	681 20%
MAY-2018	0 0%	0 0%	13 65%	2136 61%	4 20%	664 19%	1 5%	42 1%	3 15%	675 19%
JUN-2018	0 0%	0 0%	8 73%	2168 62%	2 18%	672 19%	0 0%	42 1%	1 9%	676 19%
JUL-2018	0 0%	0 0%	7 58%	2202 62%	4 33%	674 19%	0 0%	42 1%	1 8%	675 19%
AUG-2018	0 0%	0 0%	23 79%	2252 62%	5 17%	675 19%	0 0%	42 1%	1 3%	671 19%
SEP-2018	0 0%	9 0%	5 36%	2261 62%	9 64%	689 19%	0 0%	41 1%	0 0%	655 18%
OCT-2018	0 0%	17 0%	13 76%	2318 63%	4 24%	708 19%	0 0%	40 1%	0 0%	658 18%
NOV-2018	0 0%	17 0%	11 100%	2344 63%	0 0%	703 19%	0 0%	38 1%	0 0%	650 17%
DEC-2018	0 0%	17 0%	13 76%	2367 63%	4 24%	719 19%	0 0%	39 1%	0 0%	652 17%
JAN-2019	0 0%	16 0%	15 75%	2430 63%	4 20%	730 19%	0 0%	39 1%	1 5%	651 17%
FEB-2019	0 0%	27 1%	16 73%	2437 63%	5 23%	727 19%	0 0%	40 1%	1 5%	653 17%
MAR-2019	0 0%	27 1%	8 62%	2486 64%	5 38%	747 19%	0 0%	38 1%	0 0%	647 17%
APR-2019	0 0%	27 1%	8 57%	2503 64%	3 21%	739 19%	0 0%	36 1%	3 21%	637 16%
MAY-2019	0 0%	27 1%	19 68%	2566 64%	6 21%	749 19%	0 0%	37 1%	3 11%	636 16%
JUN-2019	0 0%	27 1%	10 77%	2569 65%	3 23%	748 19%	0 0%	37 1%	0 0%	625 16%
JUL-2019	0 0%	27 1%	14 82%	2615 65%	3 18%	759 19%	0 0%	38 1%	0 0%	628 16%
AUG-2019	0 0%	27 1%	24 86%	2651 65%	1 4%	758 19%	0 0%	36 1%	3 11%	627 15%
SEP-2019	0 0%	28 1%	8 50%	2657 65%	6 38%	760 19%	0 0%	37 1%	2 13%	629 15%

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

Bictegravir not currently available on BC-CfE Formulary. Drug supplied by the manufacturer for study rollover purposes





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-2018	2004	27.52	1644	22.58	2592	35.60	117	1.61	55	0.76	869	11.94
FEB-2018	1961	27.07	1629	22.48	2610	36.02	116	1.60	59	0.81	870	12.01
MAR-2018	1974	27.15	1615	22.21	2644	36.37	113	1.55	56	0.77	868	11.94
APR-2018	1928	26.57	1596	22.00	2696	37.16	114	1.57	57	0.79	865	11.92
MAY-2018	1918	26.37	1575	21.65	2733	37.57	114	1.57	58	0.80	876	12.04
JUN-2018	1903	26.16	1562	21.47	2785	38.29	113	1.55	57	0.78	854	11.74
JUL-2018	1886	25.89	1565	21.49	2814	38.63	110	1.51	55	0.76	854	11.72
AUG-2018	1860	25.52	1549	21.25	2860	39.24	111	1.52	56	0.77	853	11.70
SEP-2018	1823	25.17	1532	21.15	2878	39.73	109	1.50	57	0.79	845	11.66
OCT-2018	1848	25.18	1529	20.84	2946	40.15	104	1.42	54	0.74	857	11.68
NOV-2018	1842	25.09	1522	20.73	2966	40.40	106	1.44	50	0.68	855	11.65
DEC-2018	1835	24.94	1510	20.52	3005	40.84	104	1.41	49	0.67	855	11.62
JAN-2019	1833	24.78	1481	20.02	3063	41.40	100	1.35	53	0.72	868	11.73
FEB-2019	1805	24.46	1479	20.04	3080	41.73	99	1.34	49	0.66	868	11.76
MAR-2019	1795	24.19	1473	19.85	3133	42.22	99	1.33	50	0.67	870	11.73
APR-2019	1763	23.90	1461	19.80	3148	42.67	101	1.37	48	0.65	857	11.62
MAY-2019	1774	23.86	1449	19.49	3211	43.19	97	1.30	45	0.61	858	11.54
JUN-2019	1749	23.67	1440	19.49	3213	43.49	95	1.29	48	0.65	843	11.41
JUL-2019	1720	23.25	1429	19.32	3251	43.95	92	1.24	48	0.65	857	11.59
AUG-2019	1691	22.91	1403	19.01	3300	44.72	94	1.27	50	0.68	842	11.41
SEP-2019	1702	23.12	1368	18.58	3306	44.91	93	1.26	53	0.72	839	11.40

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-2018	12	1	1	0	4	4	470
FEB-2018	27	3	2	2	6	13	485
MAR-2018	21	4	1	5	4	6	325
APR-2018	15	0	0	5	3	5	480
MAY-2018	12	1	0	4	3	2	370
JUN-2018	16	3	5	1	1	6	237
JUL-2018	13	4	1	3	4	1	284
AUG-2018	27	2	2	6	4	13	450
SEP-2018	15	2	3	1	3	5	405
OCT-2018	19	0	1	2	5	10	525
NOV-2018	9	2	2	2	0	2	185
DEC-2018	19	2	0	5	5	7	380
JAN-2019	20	3	3	2	4	6	390
FEB-2019	16	1	0	6	4	4	400
MAR-2019	13	1	2	1	5	4	450
APR-2019	16	3	3	1	3	4	368
MAY-2019	21	1	0	6	8	4	440
JUN-2019	13	2	1	1	2	5	430
JUL-2019	13	1	1	1	3	7	530
AUG-2019	18	0	1	6	4	6	390
SEP-2019	16	0	0	2	4	8	535

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-2018	11956	3652
FEB-2018	11986	3667
MAR-2018	12013	3696
APR-2018	12045	3726
MAY-2018	12080	3751
JUN-2018	12092	3754
JUL-2018	12118	3778
AUG-2018	12132	3773
SEP-2018	12155	3794
OCT-2018	12174	3794
NOV-2018	12211	3813
DEC-2018	12215	3808
JAN-2019	12255	3833
FEB-2019	12263	3832
MAR-2019	12293	3862
APR-2019	12320	3886
MAY-2019	12336	3887
JUN-2019	12336	3892
JUL-2019	12353	3907
AUG-2019	12385	3924
SEP-2019	12406	3942

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

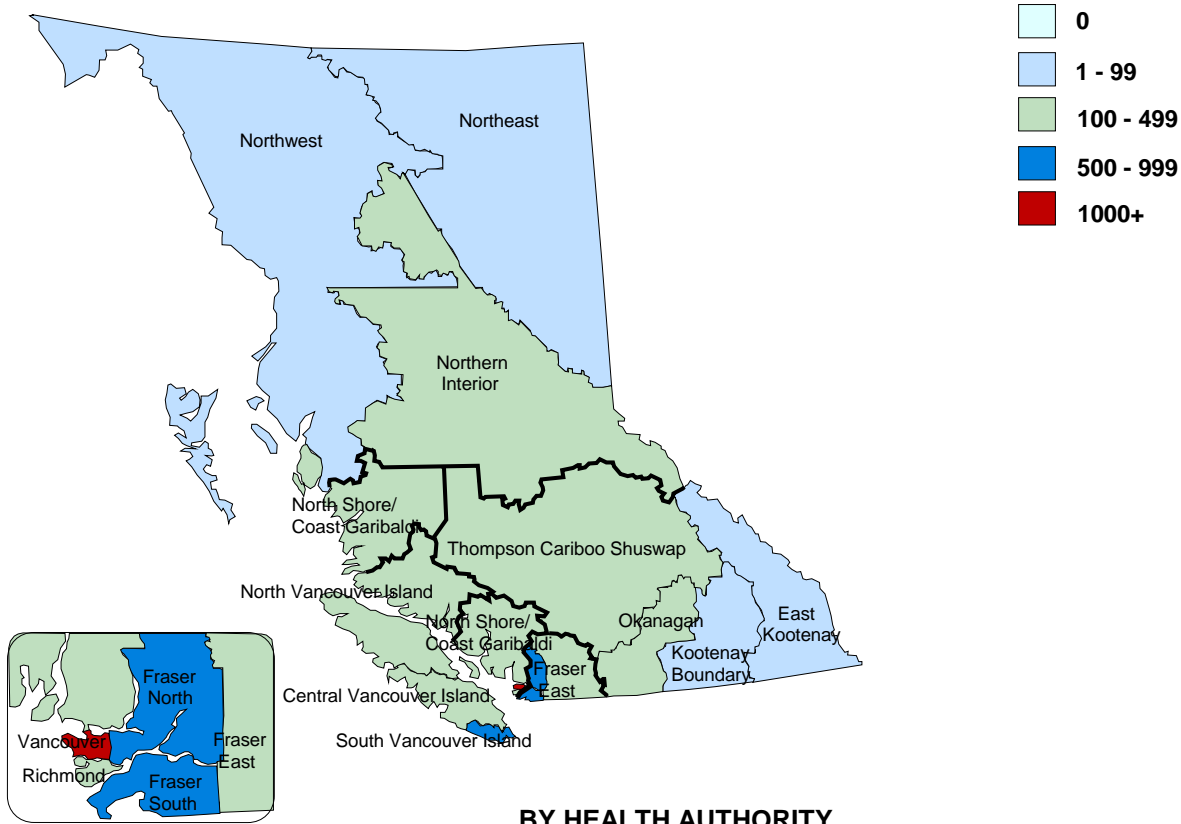




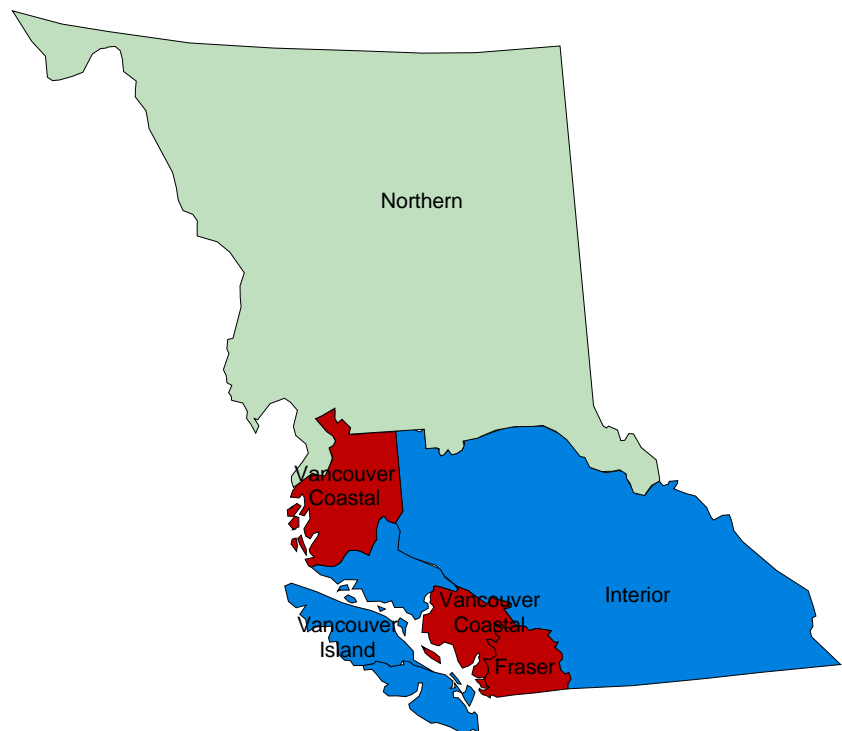
3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants
September 2019

N = 7361

BY HEALTH SERVICES DELIVERY AREA



BY HEALTH AUTHORITY

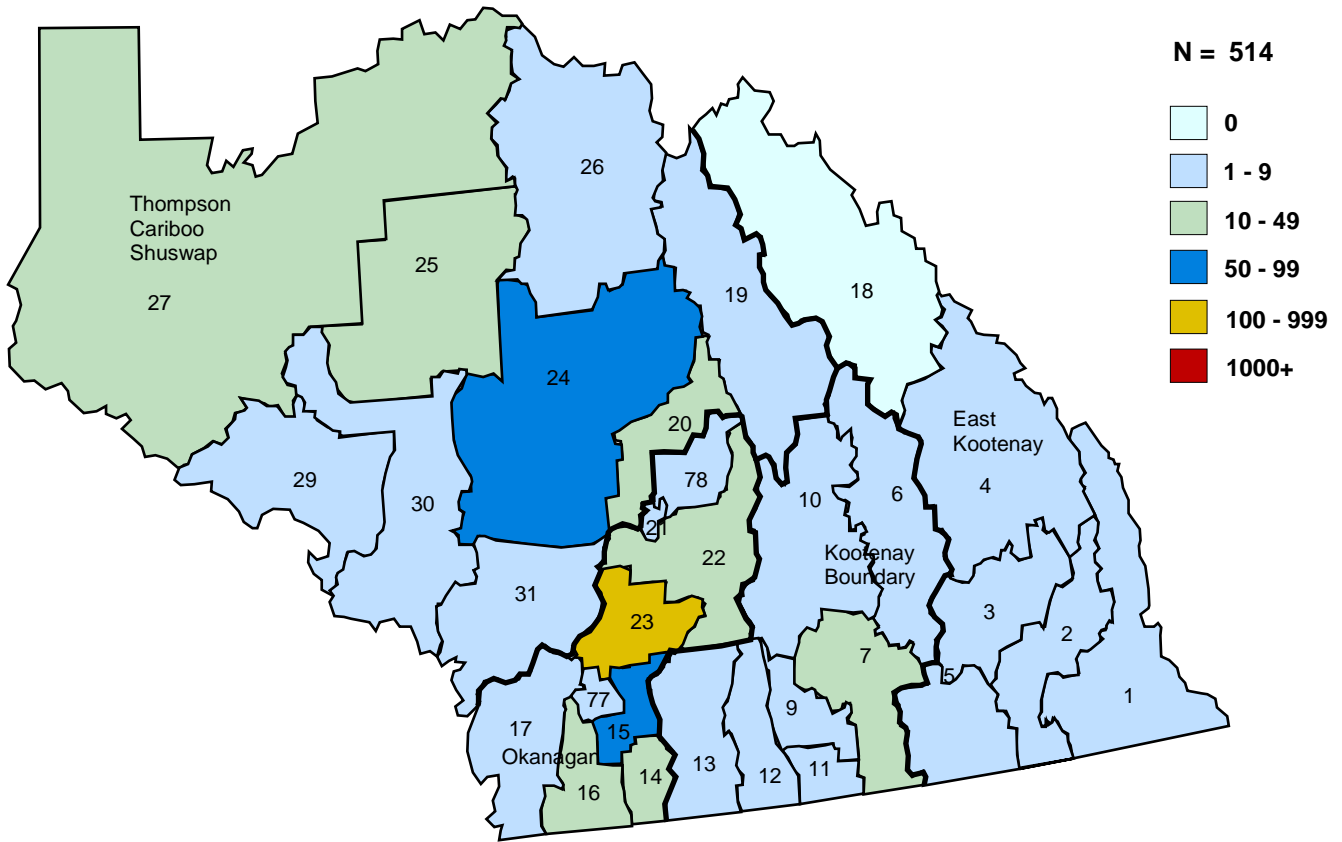




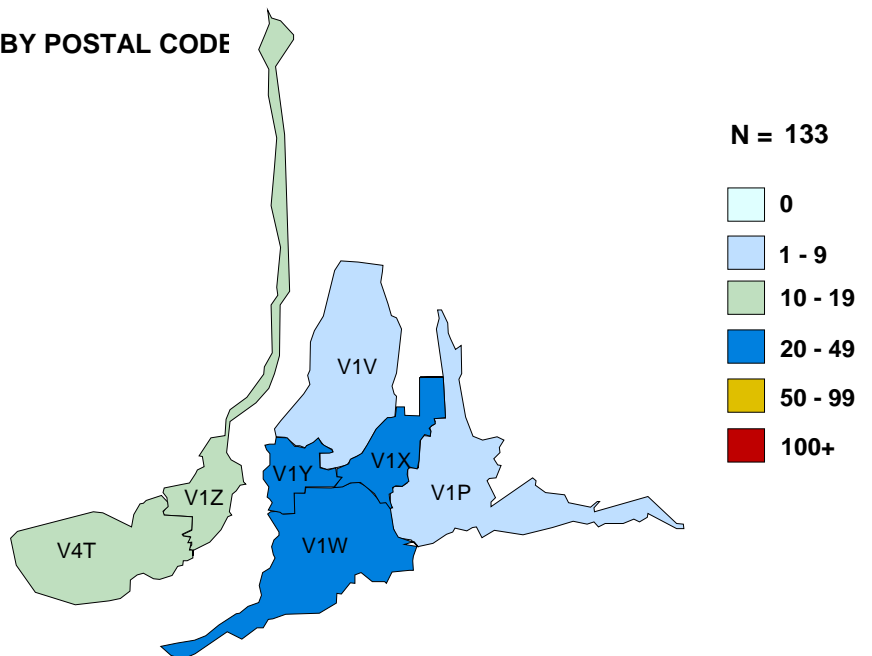
3.2 Distribution of HIV/AIDS Drug Treatment Program Active Participants

September 2019

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



KELOWNA BY POSTAL CODE

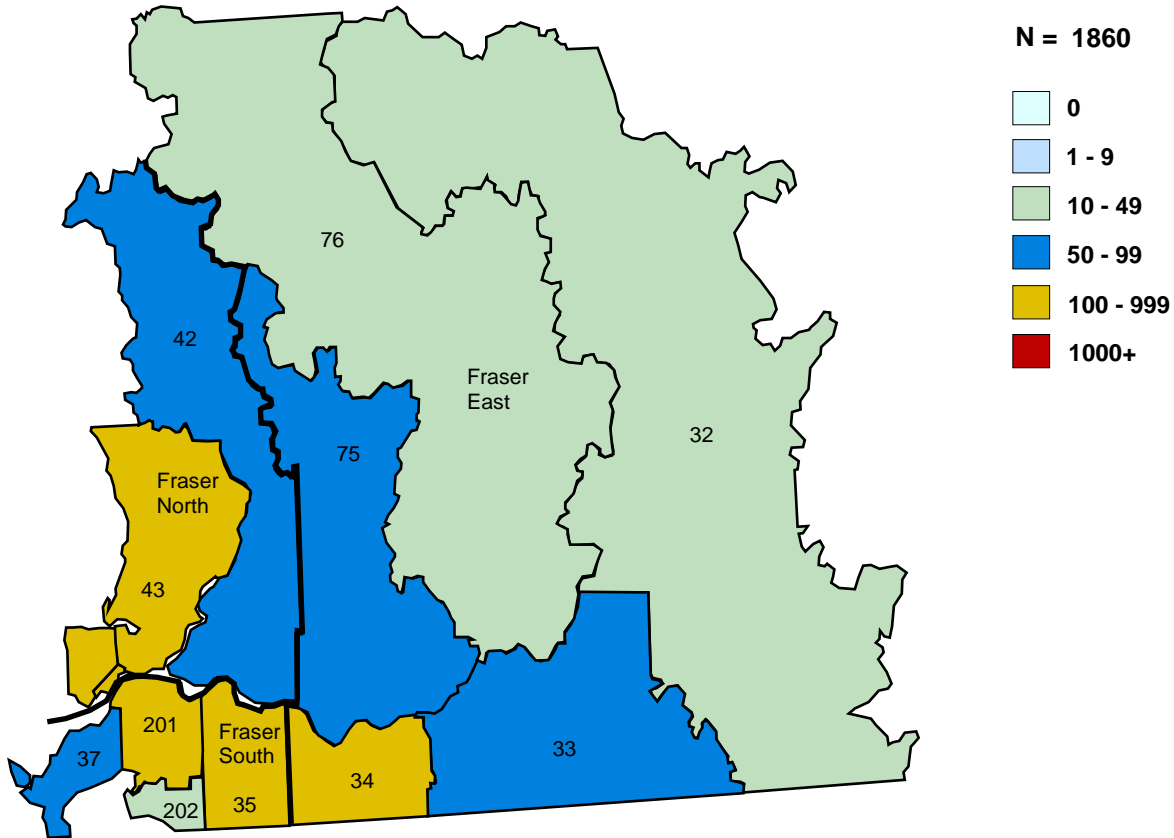




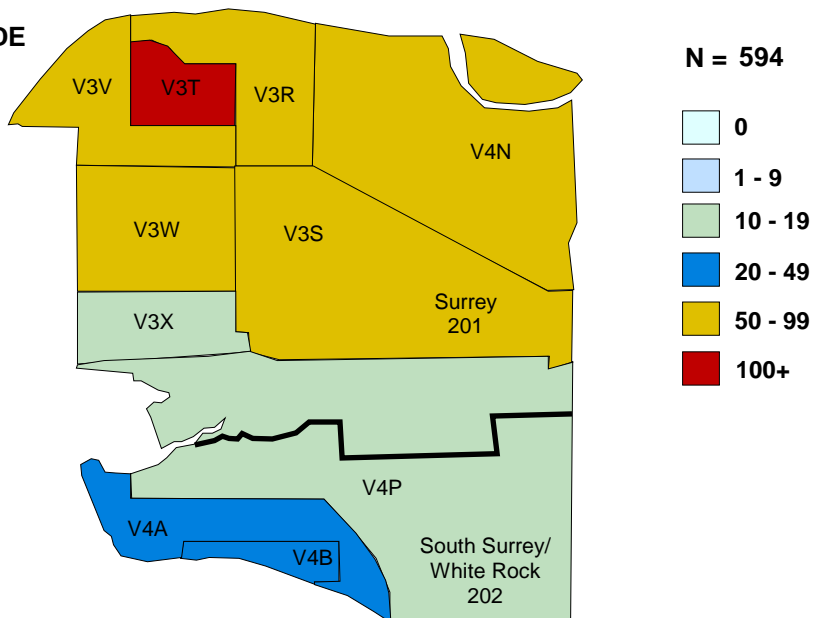
3.3 Distribution of HIV/AIDS Drug Treatment Program Active Participants

September 2019

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



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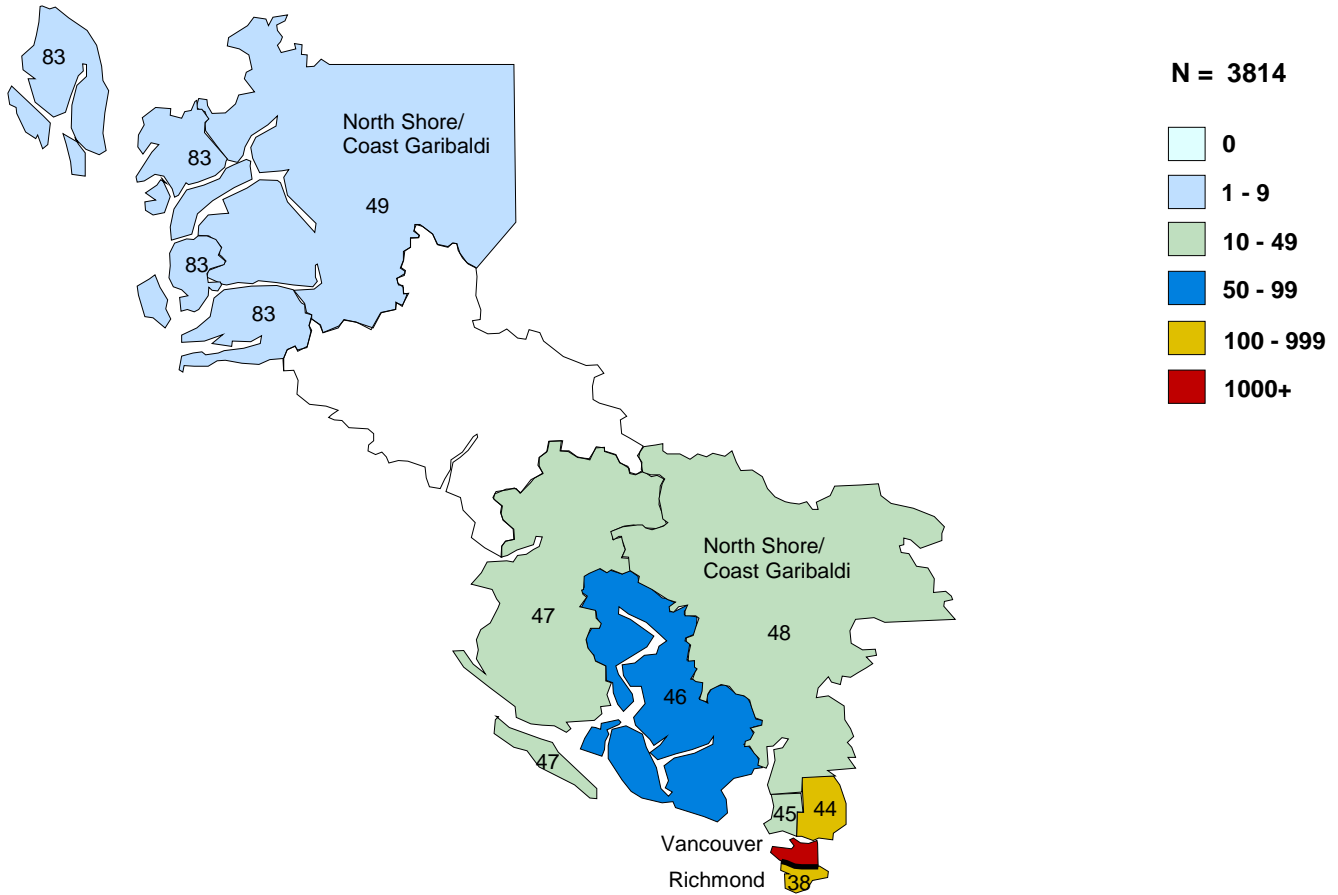




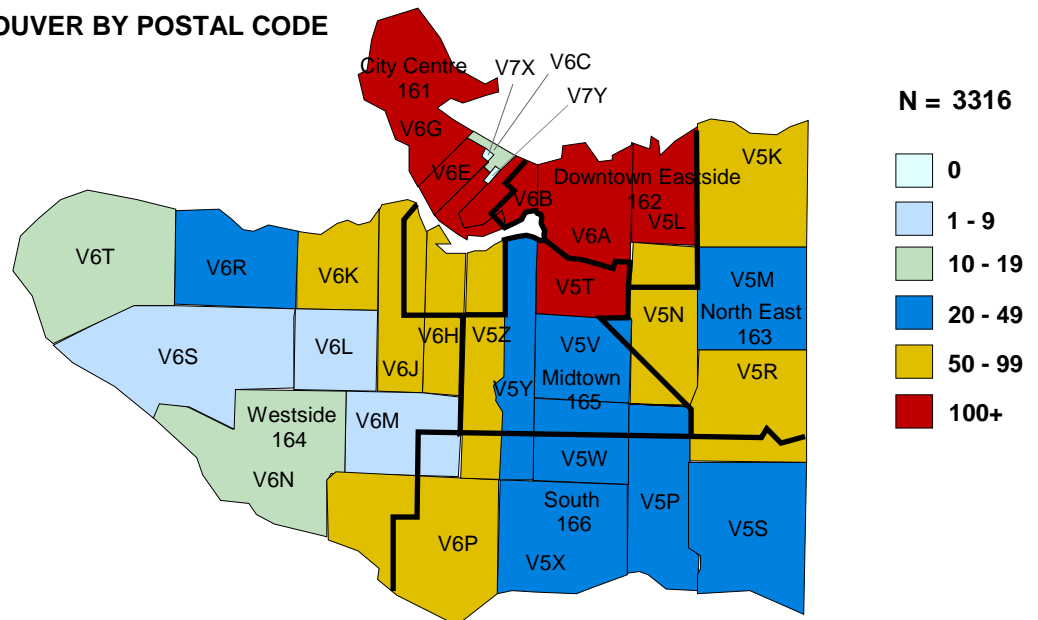
3.4 Distribution of HIV/AIDS Drug Treatment Program Active Participants

September 2019

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



VANCOUVER BY POSTAL CODE

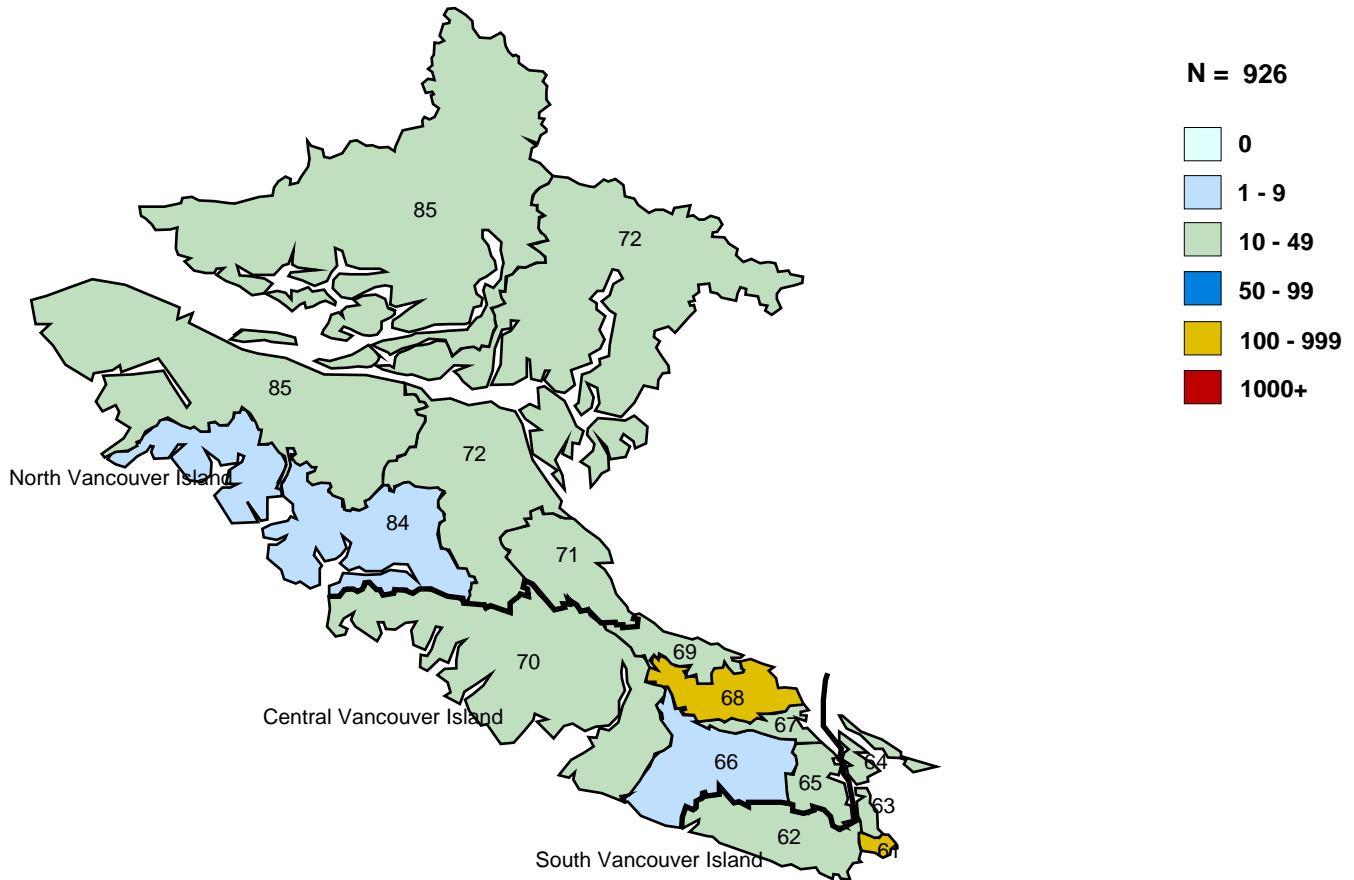




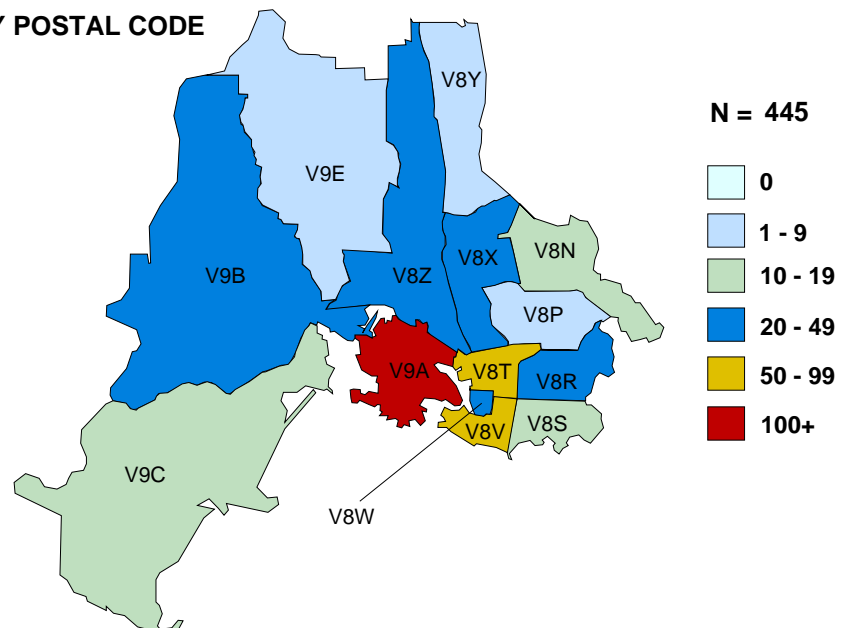
3.5 Distribution of HIV/AIDS Drug Treatment Program Active Participants

September 2019

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



VICTORIA BY POSTAL CODE

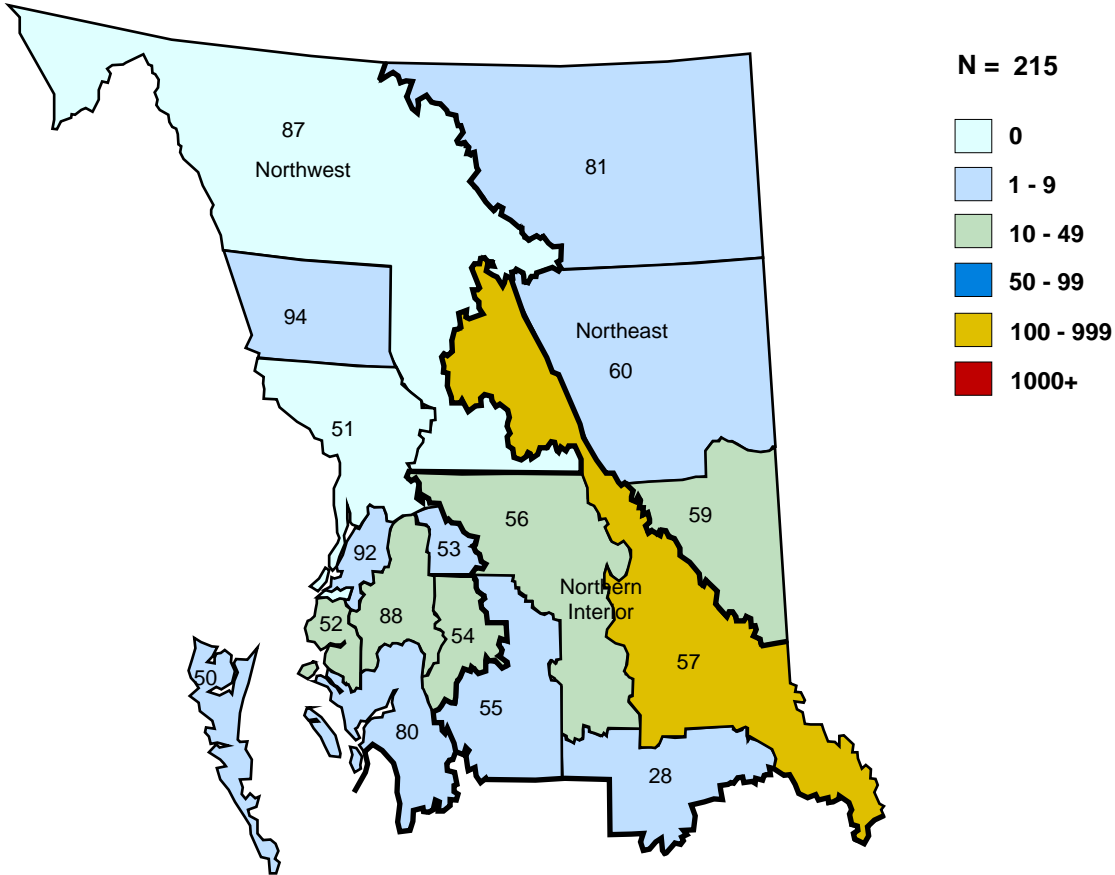




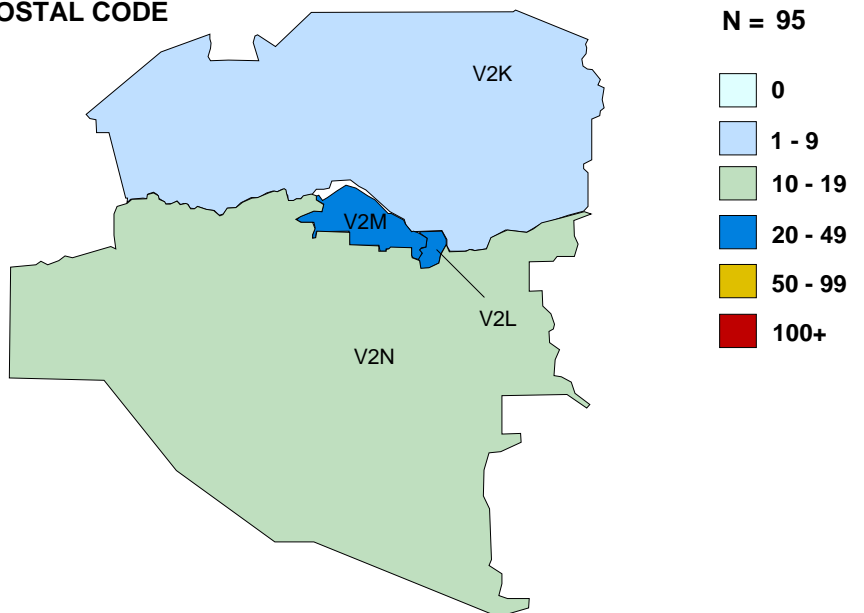
3.6 Distribution of HIV/AIDS Drug Treatment Program Active Participants

September 2019

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	6	6	*
	35-49	11	13	*
	50+	27	38	*
	Total HSDA:	44	57	27
KOOTENAY BOUNDARY	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	73	97	53	
OKANAGAN	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	366	495	285	
THOMPSON/CARIBOO/ SHUSWAP	0-19	*	*	0
	20-34	*	*	13
	35-49	*	*	50
	50+	*	*	86
Total HSDA:	193	260	149	
Total HA:		676	909	514

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	5	5	*
	20-34	63	64	*
	35-49	179	200	*
	50+	429	640	*
Total HA:		676	909	514

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	542	730	417
Female	134	179	97

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	514	55	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	11
	5 years or more	11	6
	<5 years	14	10
	Total HSDA:	44	27
KOOTENAY BOUNDARY	10 years or more	45	32
	5 years or more	15	10
	<5 years	13	11
	Total HSDA:	73	53
OKANAGAN	10 years or more	225	169
	5 years or more	69	55
	<5 years	72	61
	Total HSDA:	366	285
THOMPSON/CARIBOO/ SHUSWAP	10 years or more	106	77
	5 years or more	42	35
	<5 years	45	37
	Total HSDA:	193	149
Total HA:		676	514

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	395	289
	5 years or more	137	106
	<5 years	144	119
Total HA:		676	514

* 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	41	59	11	22
KOOTENAY BOUNDARY	69	121	20	42
OKANAGAN	213	919	54	285
THOMPSON/CARIBOO/SHUSWAP	133	506	38	134
Total:	456	1605	123	483

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
EAST KOOTENAY	*
KOOTENAY BOUNDARY	*
OKANAGAN	*
THOMPSON/CARIBOO/SHUSWAP	*
Total:	98

* 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	7
	20-34	31	33	22
	35-49	105	115	83
	50+	234	308	186
	Total HSDA:		377	463
FRASER NORTH	0-19	9	9	*
	20-34	109	110	*
	35-49	354	385	*
	50+	552	875	*
	Total HSDA:		1024	1379
FRASER SOUTH	0-19	7	7	*
	20-34	119	121	*
	35-49	329	375	*
	50+	535	788	*
	Total HSDA:		990	1291
Total HA:		2391	3133	1860

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	23	23	13
	20-34	259	264	181
	35-49	788	875	607
	50+	1321	1971	1059
Total HA:		2391	3133	1860

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	1816	2402	1436
Female	575	731	424

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	1860	52	630	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	218	171
	5 years or more	76	61
	<5 years	83	66
	Total HSDA:	377	298
FRASER NORTH	10 years or more	562	395
	5 years or more	249	196
	<5 years	213	174
	Total HSDA:	1024	765
FRASER SOUTH	10 years or more	542	430
	5 years or more	224	171
	<5 years	224	196
	Total HSDA:	990	797
Total HA:		2391	1860

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	1322	996
	5 years or more	549	428
	<5 years	520	436
Total HA:		2391	1860

* 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	141	494	30	62
FRASER NORTH	247	1560	44	231
FRASER SOUTH	212	1457	44	455
Total:	600	3511	118	748

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
FRASER EAST	200
FRASER NORTH	648
FRASER SOUTH	493
Total:	1341

* 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	*	*	59
	50+	*	*	202
	Total HSDA:		332	479
RICHMOND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		176	225
VANCOUVER	0-19	31	31	7
	20-34	442	455	309
	35-49	1384	1562	993
	50+	2800	4786	2087
	Total HSDA:	4657	6834	3396
Total HA:		5165	7538	3814

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	34	34	8
	20-34	494	508	349
	35-49	1506	1696	1086
	50+	3131	5300	2371
Total HA:		5165	7538	3814

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Unknown	2	2	0
Male	4560	6620	3376
Female	603	916	438

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	3814	53	630	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	184	150
	5 years or more	87	75
	<5 years	61	54
	Total HSDA:	332	279
RICHMOND	10 years or more	100	74
	5 years or more	38	32
	<5 years	38	33
	Total HSDA:	176	139
VANCOUVER	10 years or more	2730	1931
	5 years or more	1166	840
	<5 years	761	625
	Total HSDA:	4657	3396
Total HA:		5165	3814

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	3014	2155
5 years or more	1291	947
<5 years	860	712
Total HA:	5165	3814

* 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	168	490	51	175
RICHMOND	43	287	11	95
VANCOUVER	596	10769	194	5278
Total:	807	11546	256	5548

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH SHORE/COAST GARIBALDI	6
RICHMOND	6
VANCOUVER	93
Total:	105

* 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:		319	453
NORTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		124	166
SOUTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		729	1033
Total HA:		1172	1652	926

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	6	6	*
	20-34	107	114	*
	35-49	305	356	*
	50+	754	1176	*
Total HA:		1172	1652	926

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	964	1358	772
Female	208	294	154

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	926	54	550	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	173	146
	5 years or more	71	60
	<5 years	75	60
	Total HSDA:	319	266
NORTH VANCOUVER ISLAND	10 years or more	72	59
	5 years or more	29	20
	<5 years	23	21
	Total HSDA:	124	100
SOUTH VANCOUVER ISLAND	10 years or more	421	302
	5 years or more	161	135
	<5 years	147	123
	Total HSDA:	729	560
Total HA:		1172	926

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	666	507
	5 years or more	261	215
	<5 years	245	204
Total HA:		1172	926

* 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	192	860	74	199
NORTH VANCOUVER ISLAND	138	265	48	81
SOUTH VANCOUVER ISLAND	209	1778	40	553
Total:	539	2903	162	833

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
CENTRAL VANCOUVER ISLAND	50
NORTH VANCOUVER ISLAND	38
SOUTH VANCOUVER ISLAND	105
Total:	193

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

Definitions:

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

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





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

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
NORTH EAST	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		40	48
NORTH WEST	20-34	10	11	7
	35-49	17	32	14
	50+	40	62	32
	Total HSDA:	67	105	53
NORTHERN INTERIOR	0-19	5	5	*
	20-34	25	26	*
	35-49	70	89	*
	50+	90	151	*
	Total HSDA:	190	271	141
Total HA:		297	424	215

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	6	6	*
	20-34	38	40	*
	35-49	107	144	*
	50+	146	234	*
Total HA:		297	424	215

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	179	261	130
Female	118	163	85

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	215	50	560	35

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

Definitions:

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

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





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

HSDA	Treatment Duration	Alive	Currently treated with ARVs
NORTH EAST	10 years or more	20	*
	5 years or more	12	*
	<5 years	8	*
	Total HSDA:	40	21
NORTH WEST	10 years or more	31	22
	5 years or more	23	21
	<5 years	13	10
	Total HSDA:	67	53
NORTHERN INTERIOR	10 years or more	74	54
	5 years or more	64	51
	<5 years	52	36
	Total HSDA:	190	141
Total HA:		297	215

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	125	86
5 years or more	99	79
<5 years	73	50
Total HA:	297	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	39	63	7	8
NORTH WEST	71	162	13	30
NORTHERN INTERIOR	105	463	15	181
Total:	215	688	35	219

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH EAST	6
NORTH WEST	19
NORTHERN INTERIOR	17
Total:	42

* 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	7	11	5
	KOOTENAY BOUNDARY	6	9	6
	OKANAGAN	22	38	13
	THOMPSON/CARIBOO/SHUSWAP	26	46	21
	Total HA:	61	104	45
FRASER	FRASER EAST	44	54	35
	FRASER NORTH	52	88	45
	FRASER SOUTH	71	104	54
	Total HA:	167	246	134
VANCOUVER COASTAL	NORTH SHORE/COAST GARIBALDI	26	49	20
	RICHMOND	11	16	8
	VANCOUVER	484	853	377
	Total HA:	521	918	405
VANCOUVER ISLAND	CENTRAL VANCOUVER ISLAND	50	79	42
	NORTH VANCOUVER ISLAND	17	26	15
	SOUTH VANCOUVER ISLAND	36	79	28
	Total HA:	103	184	85
NORTHERN	NORTH EAST	10	12	6
	NORTH WEST	27	56	22
	NORTHERN INTERIOR	73	110	57
	Total HA:	110	178	85
Total:		962	1630	754

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	602	1038	468
Female	360	592	286

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total:	754	51	480	35

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

Definitions:

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

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





5.1 Drug Names and Definitions

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

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

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

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

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

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

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

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

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

Bictegravir: an INTEGRASE INHIBITOR from Gilead Sciences.

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.

Cobicistat: a pharmacokinetic enhancer (“booster”) given with other antiretrovirals to improve drug exposure. Cobicistat 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.





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.

Doravirine: a NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR (NNRTI) from Merck.

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 (Intelence, 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.

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.

