



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS

B.C. HIV/AIDS Drug Treatment Program

Monthly Report

October 2020





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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)





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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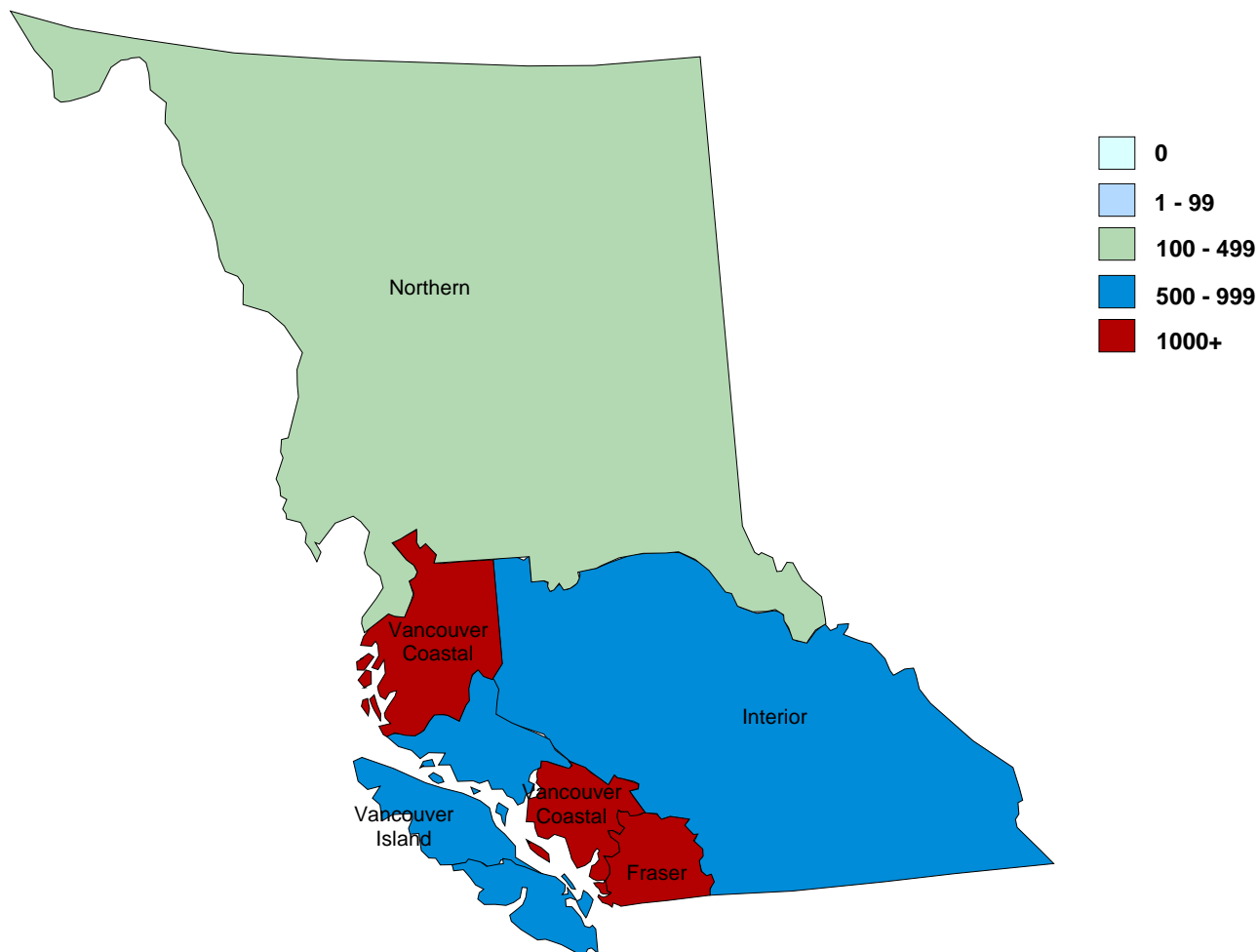




1.1 Distribution of men and women on antiretroviral therapy in British Columbia by Health Authority

October 2020

N = 7284



Health Authority	Male	Female	All
FRASER	1431	435	1866
INTERIOR	413	102	515
NORTHERN	134	85	219
VANCOUVER COASTAL	3305	438	3743
VANCOUVER ISLAND	762	149	911
	6045	1209	7254
		Unknown/not stated:	30
		Total:	7284

Definitions:

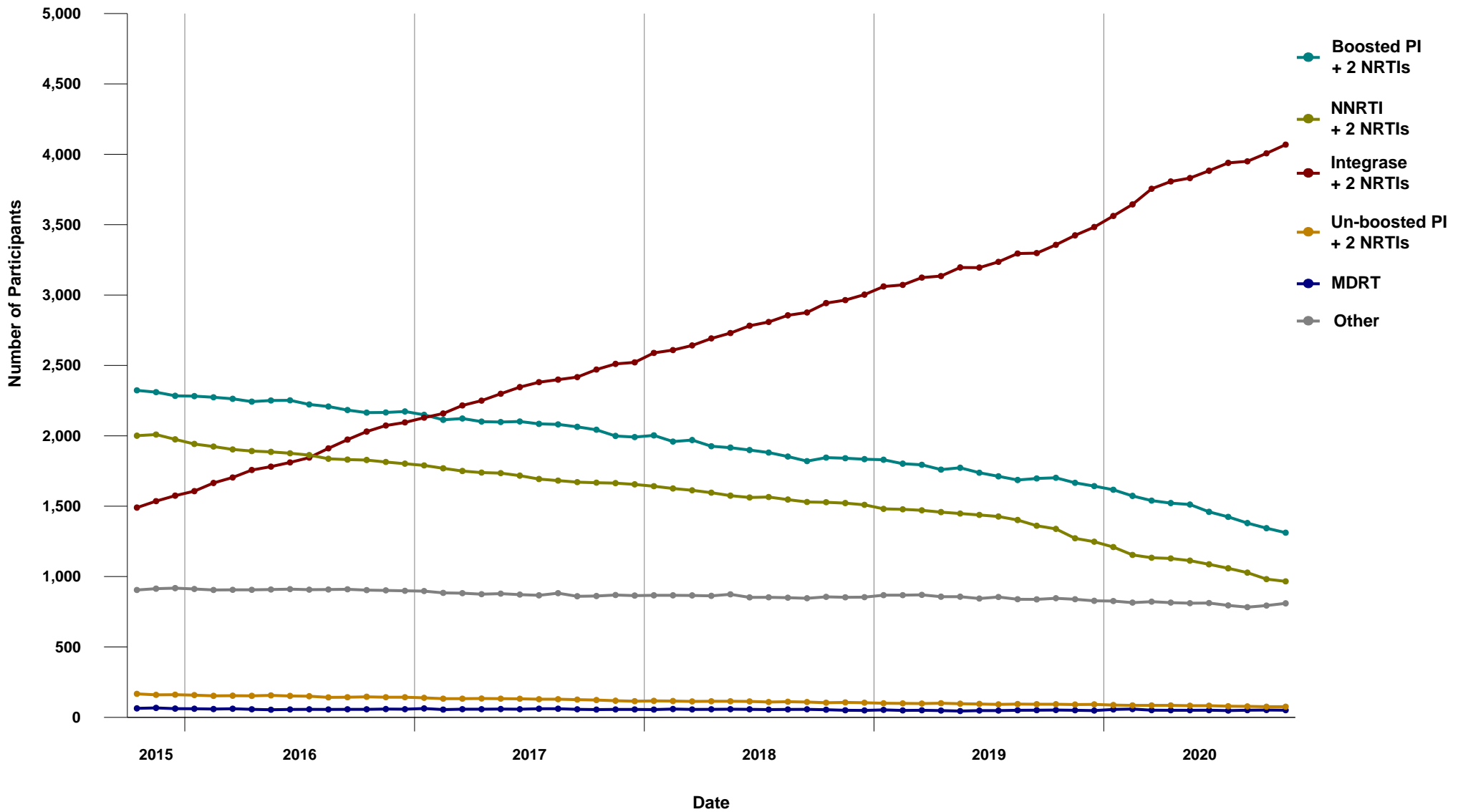
On antiretroviral therapy defined as being on treatment in the current month

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



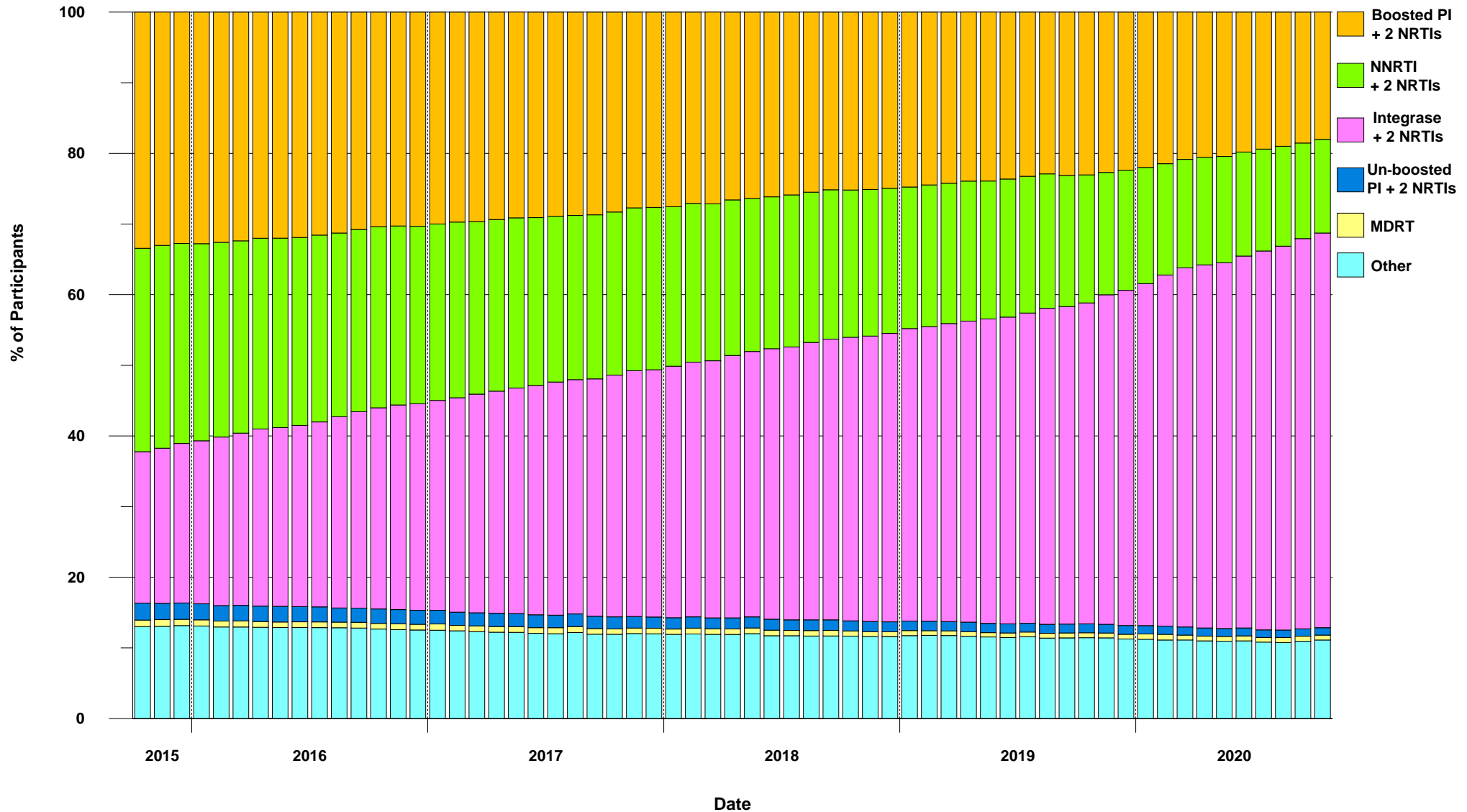


1.2 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (October 2015 - October 2020)



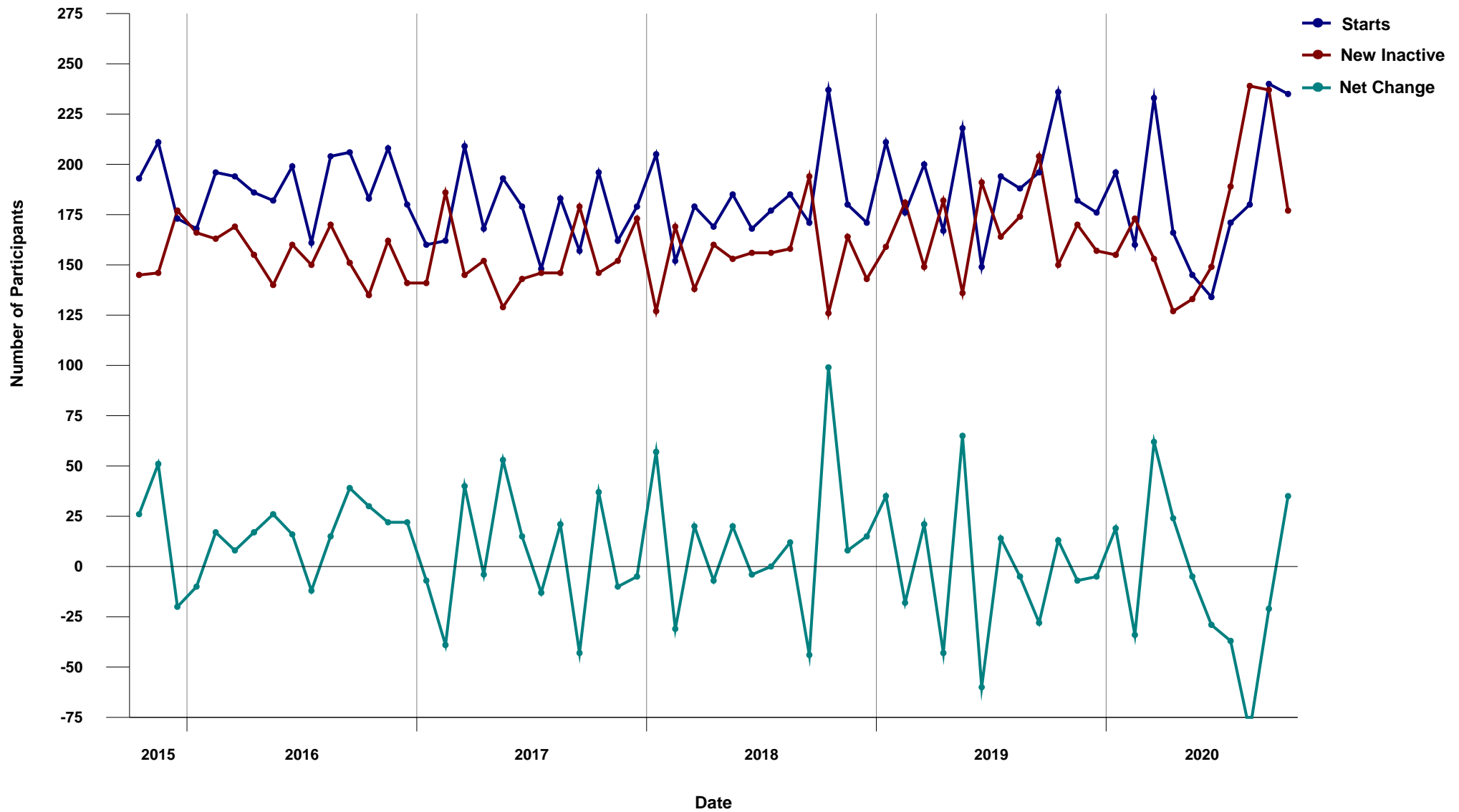


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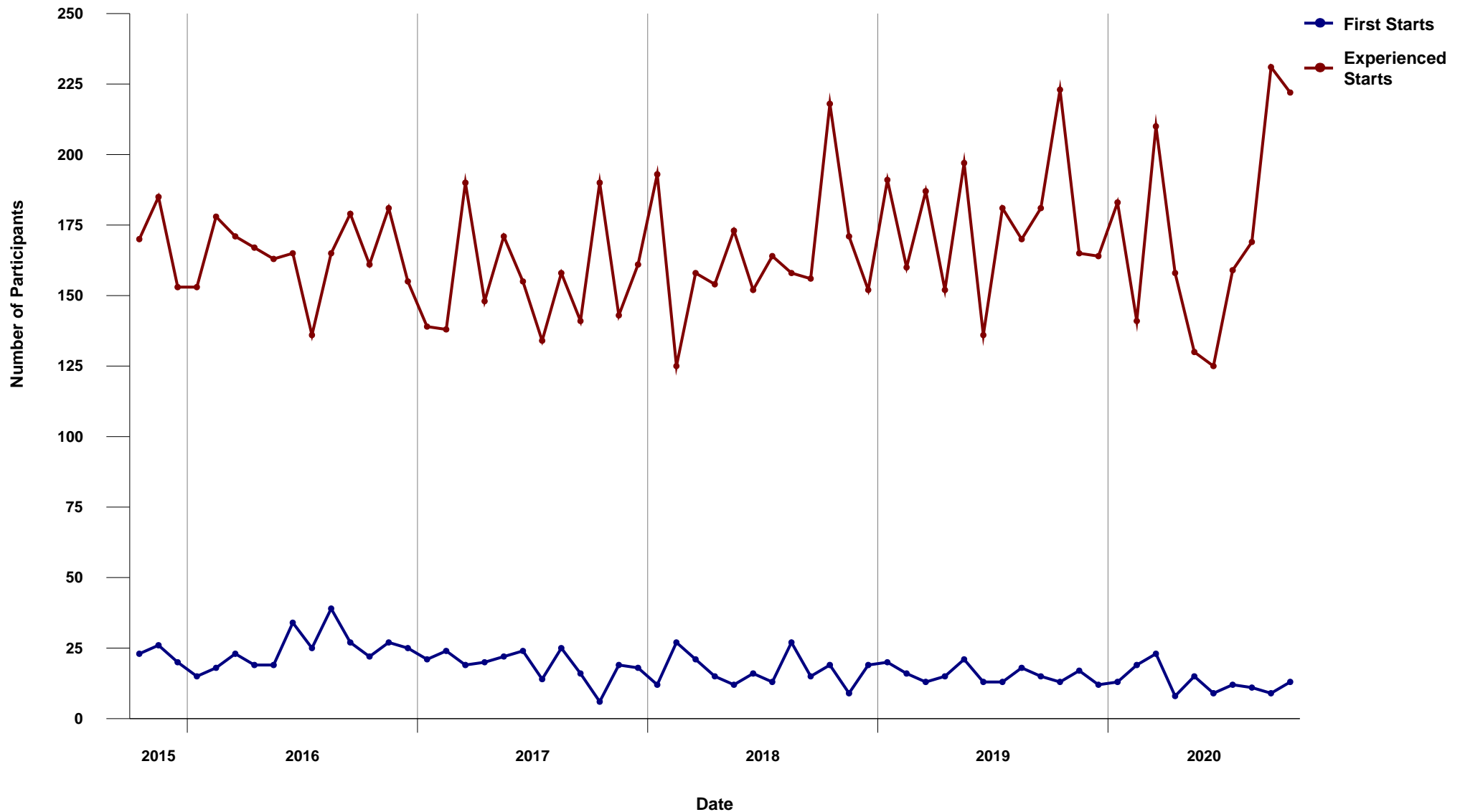


1.4 BC-CfE Enrollment: Net Number of New Antiretroviral Participants (October 2015 - October 2020)



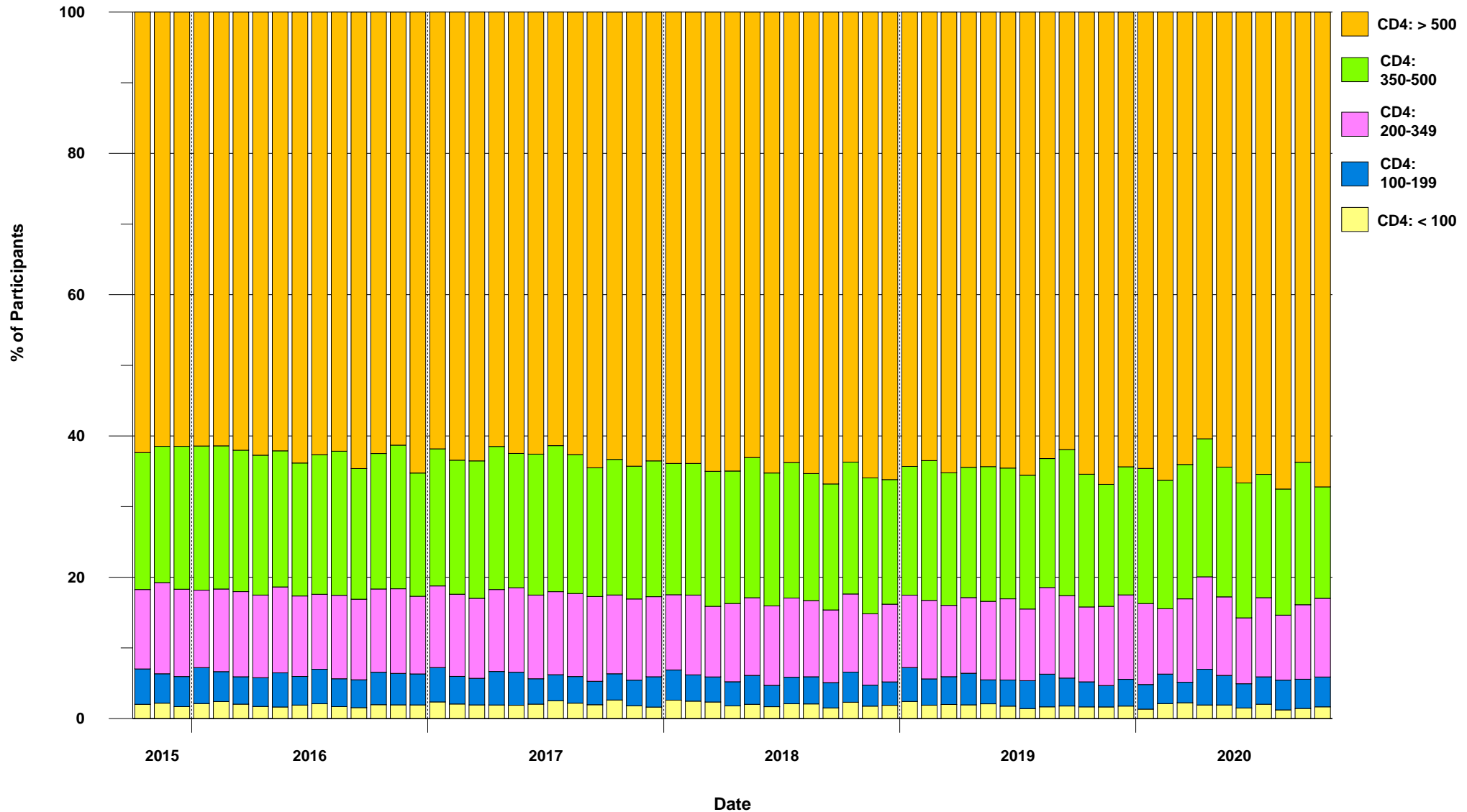


1.5 BC-CfE Enrollment: New Antiretroviral Participants (October 2015 - October 2020)



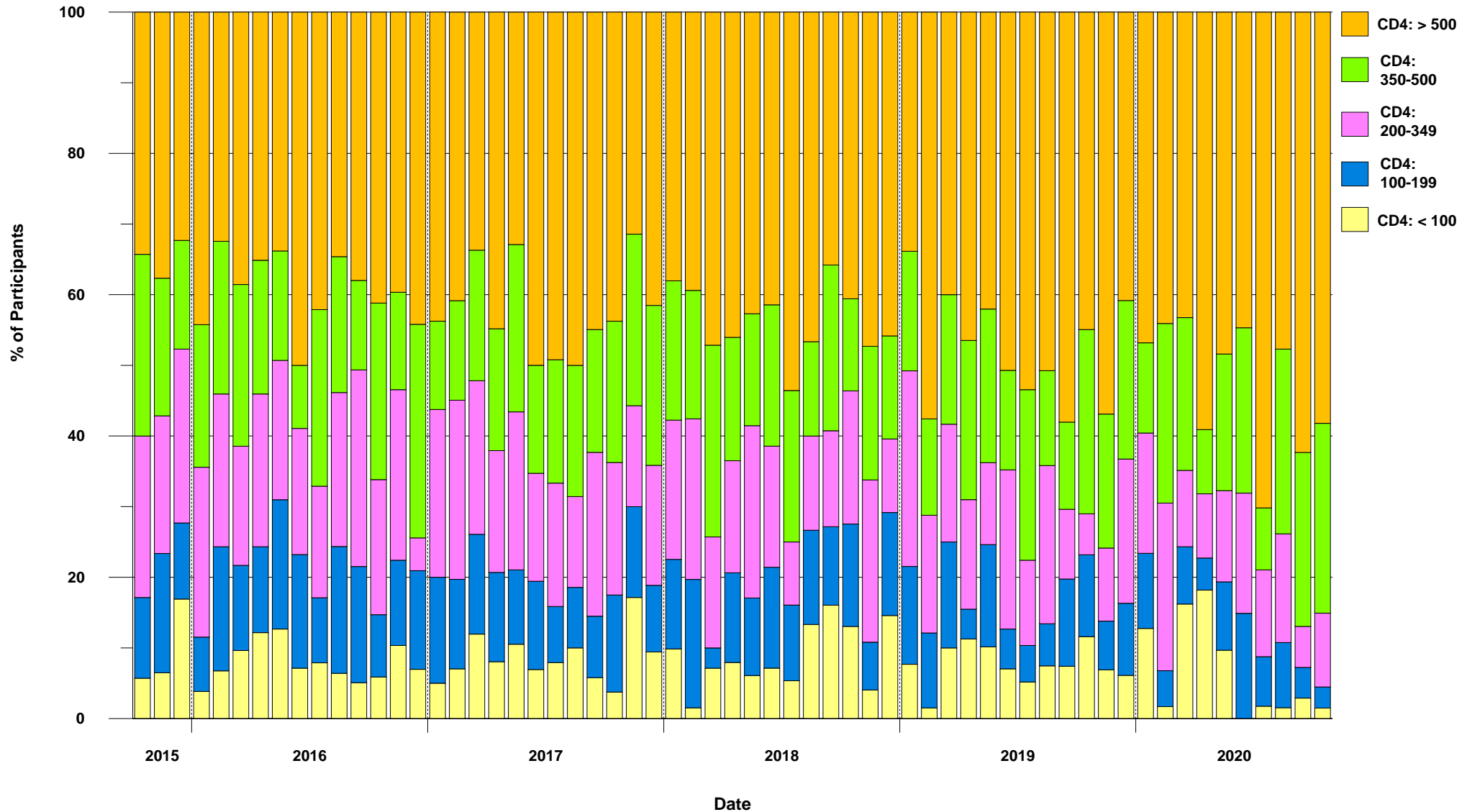


1.6 Percent Distribution of Active Participants by CD4 Count (October 2015 - October 2020)



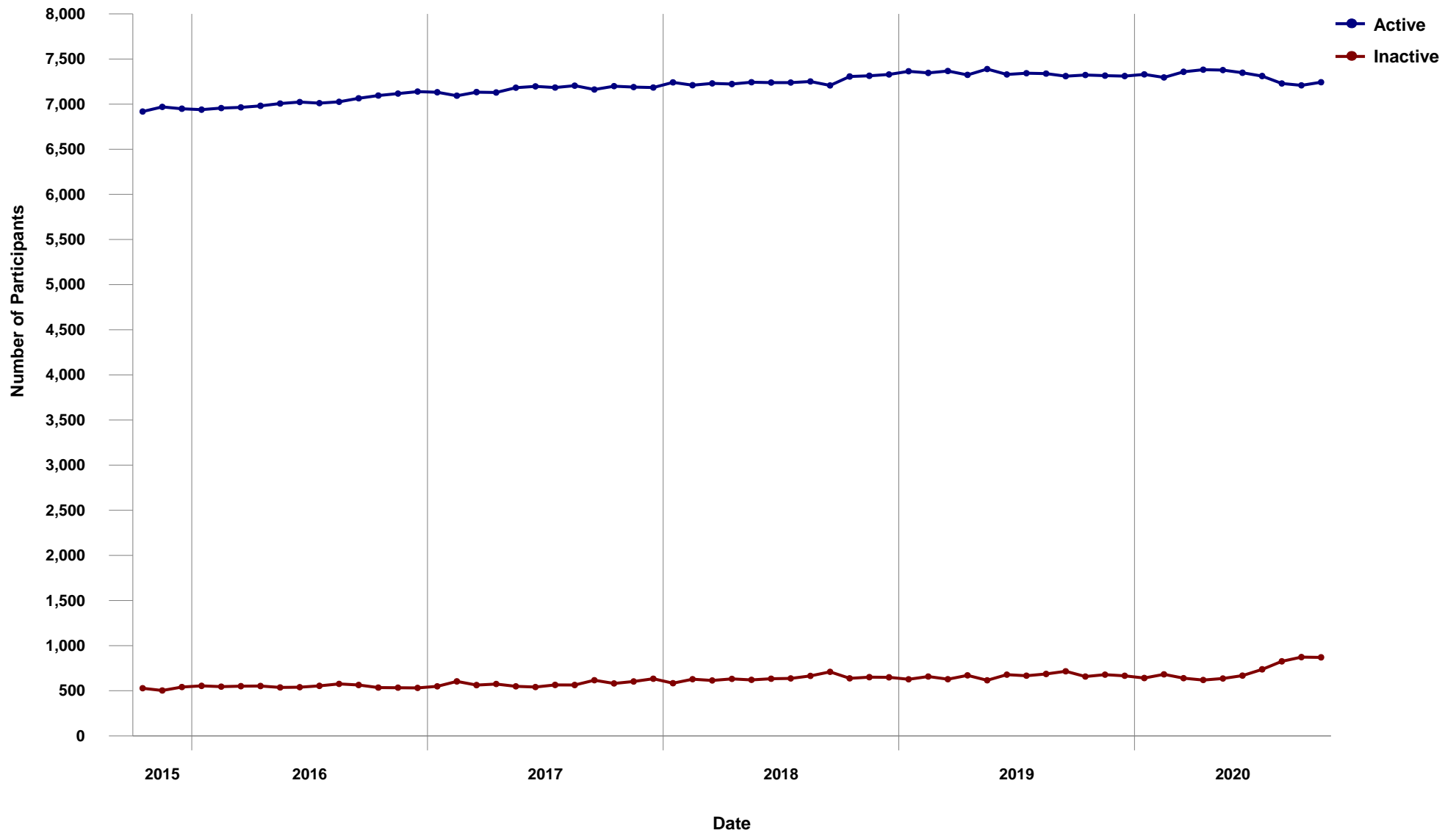


1.7 Percent Distribution of Inactive Participants by CD4 Count (October 2015 - October 2020)



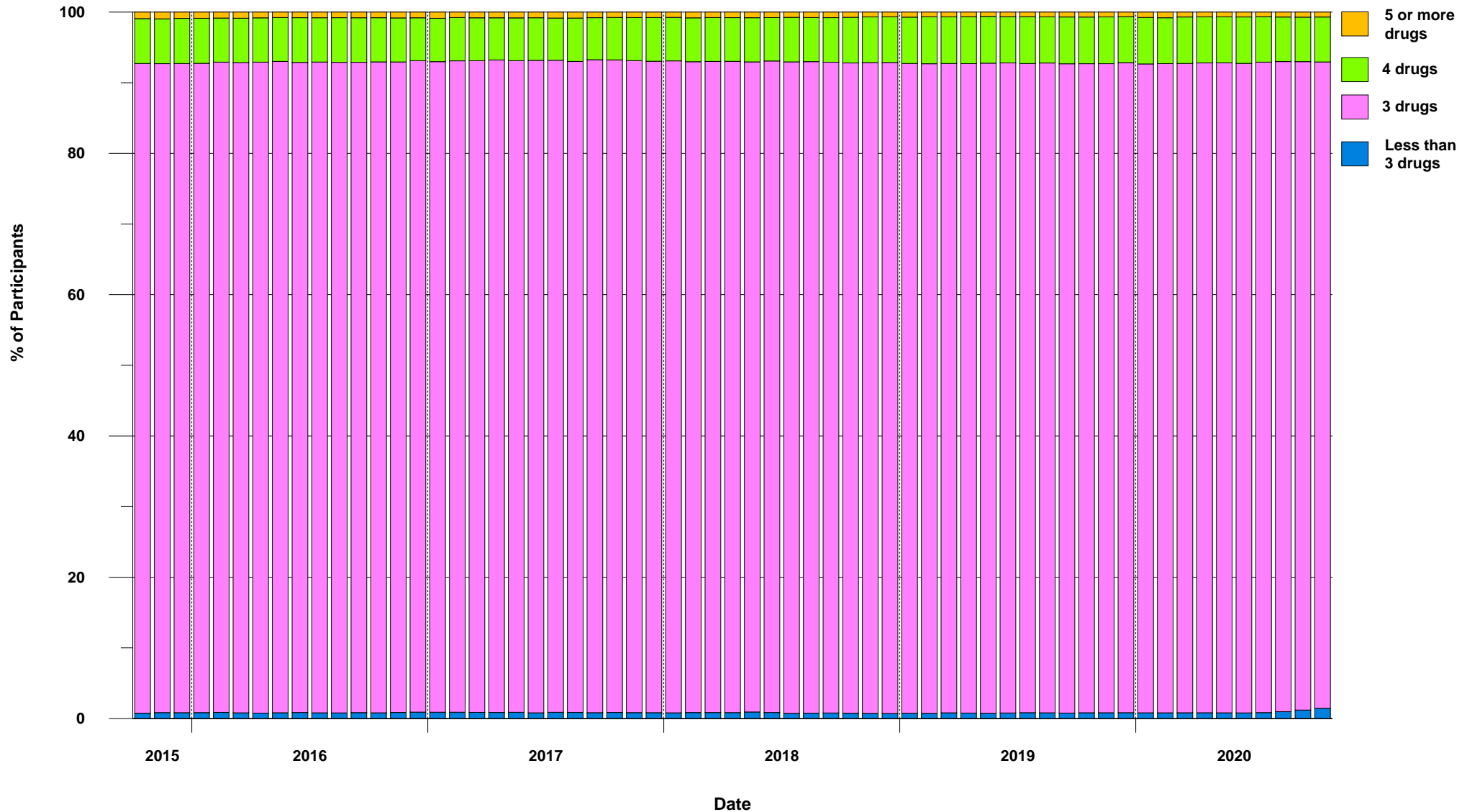


1.8 Active and Inactive Participants (October 2015 - October 2020)



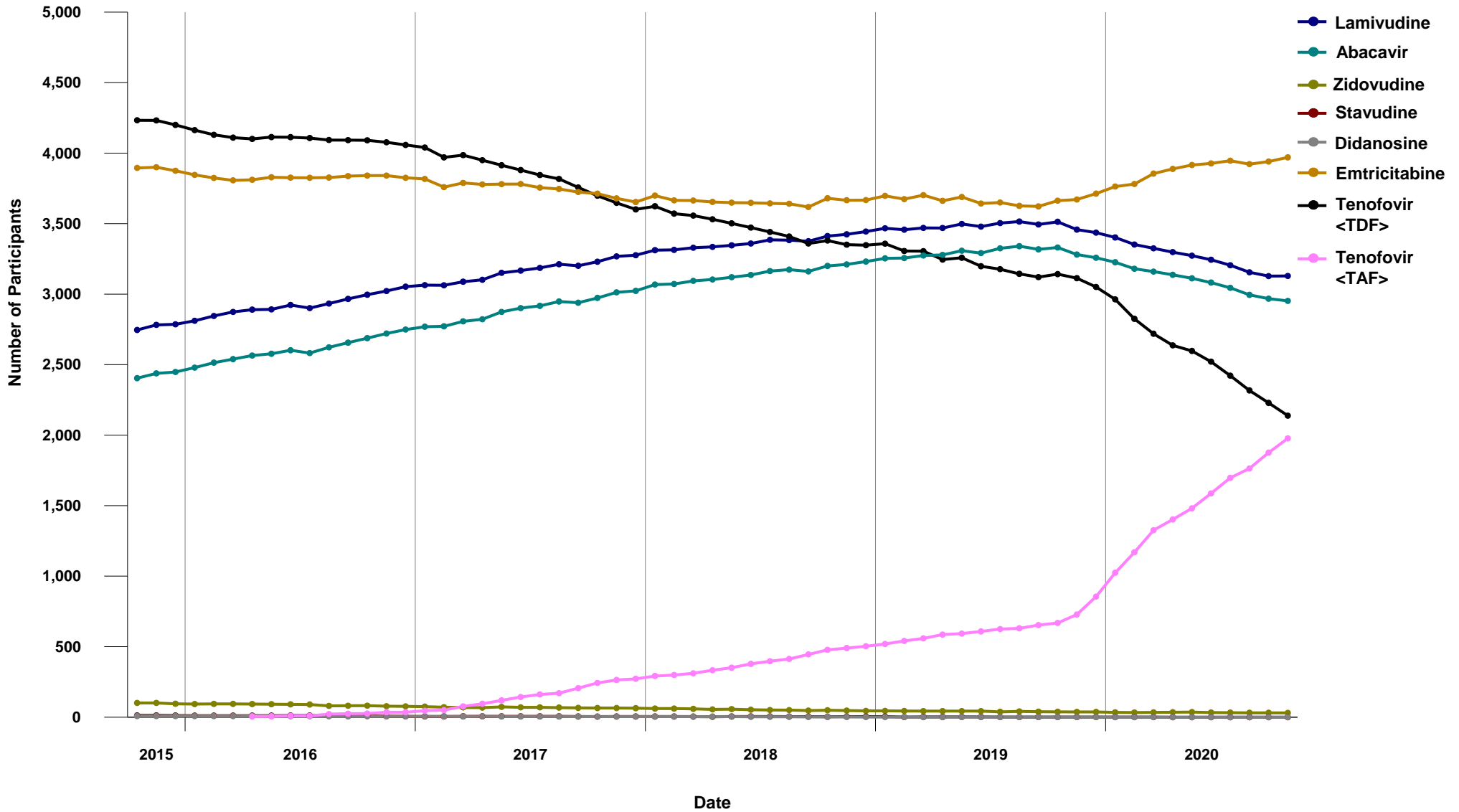


1.9 Percent Distribution of Participants on ARV Therapy by Number of Drugs (October 2015 - October 2020)





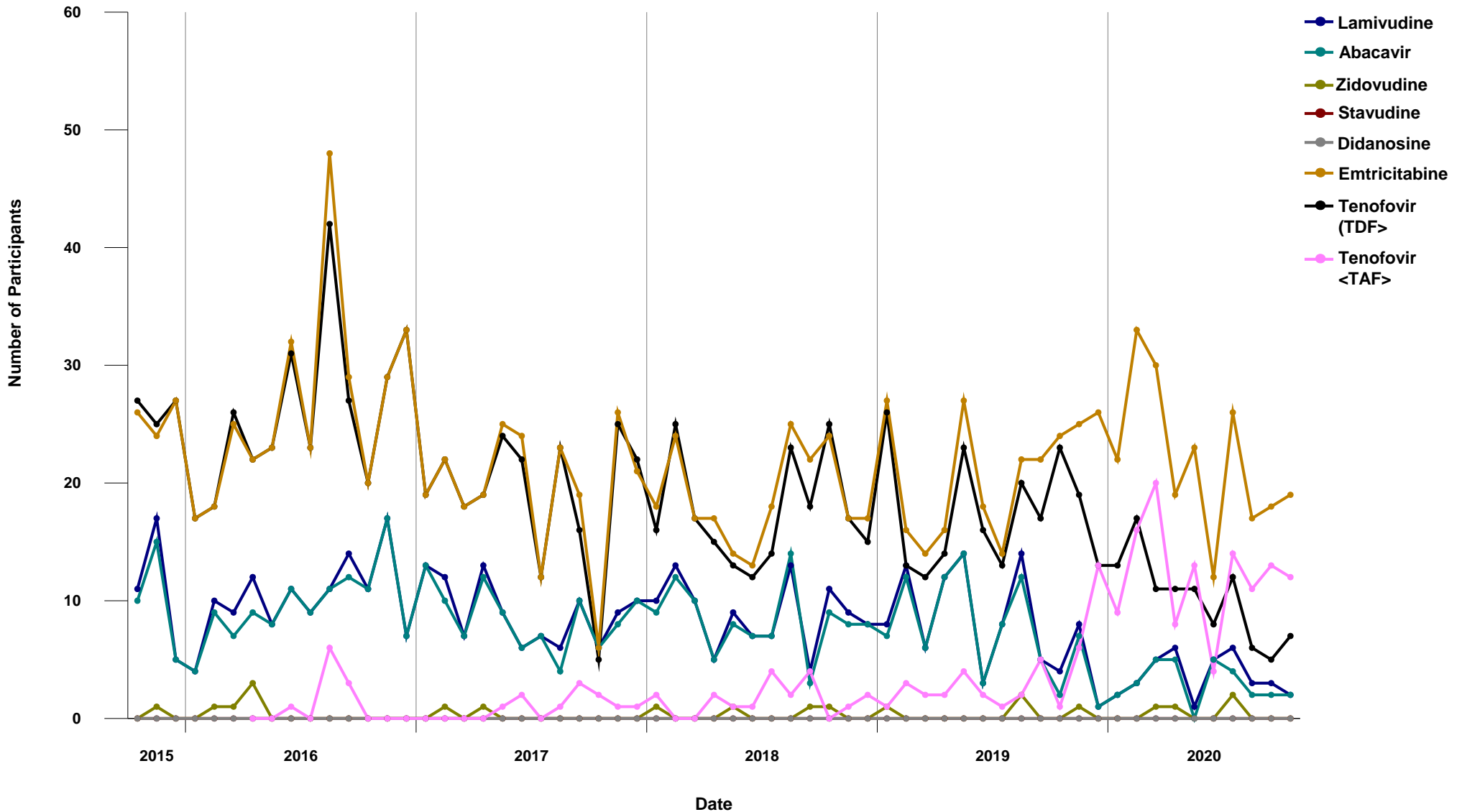
1.10 Distribution of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT
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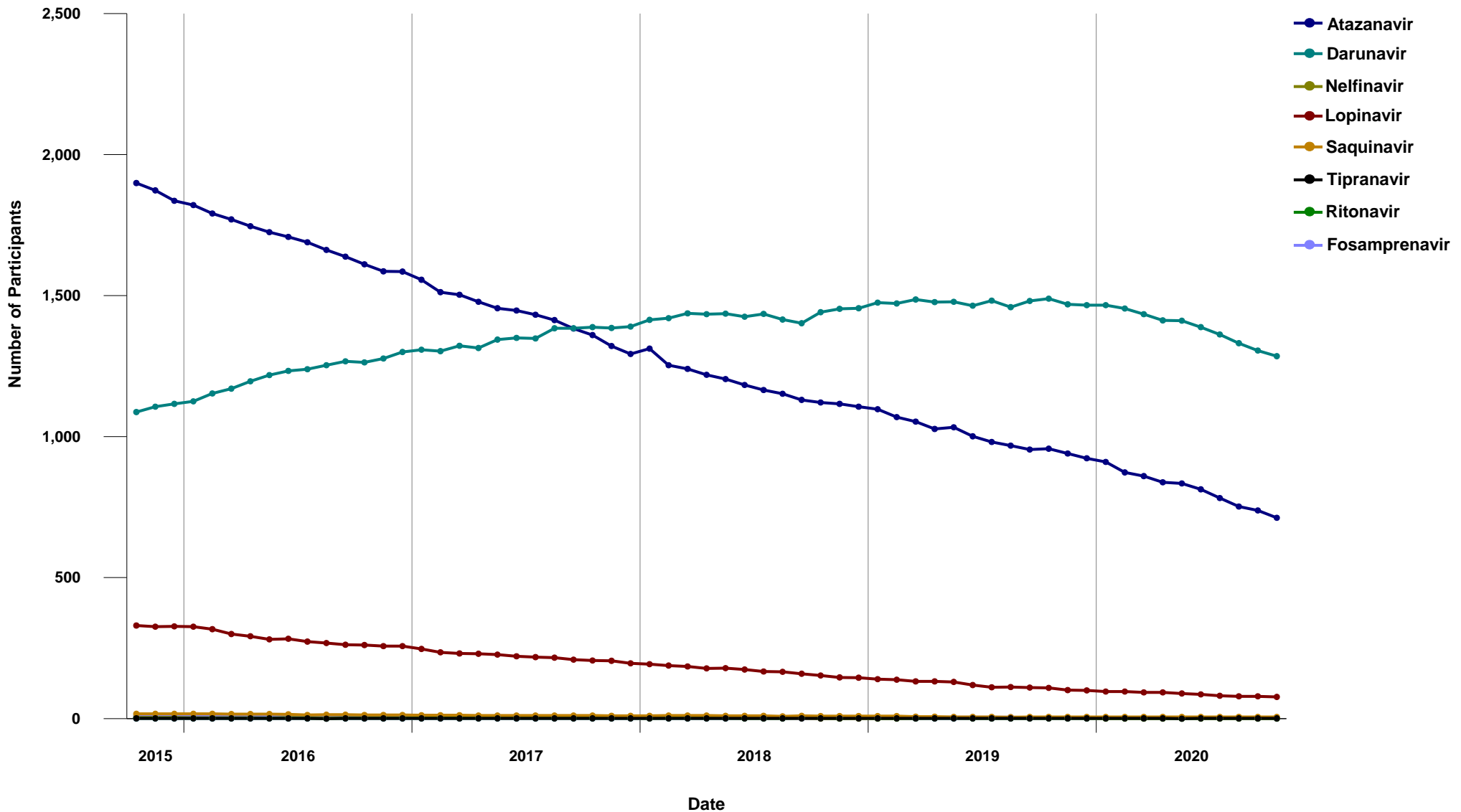
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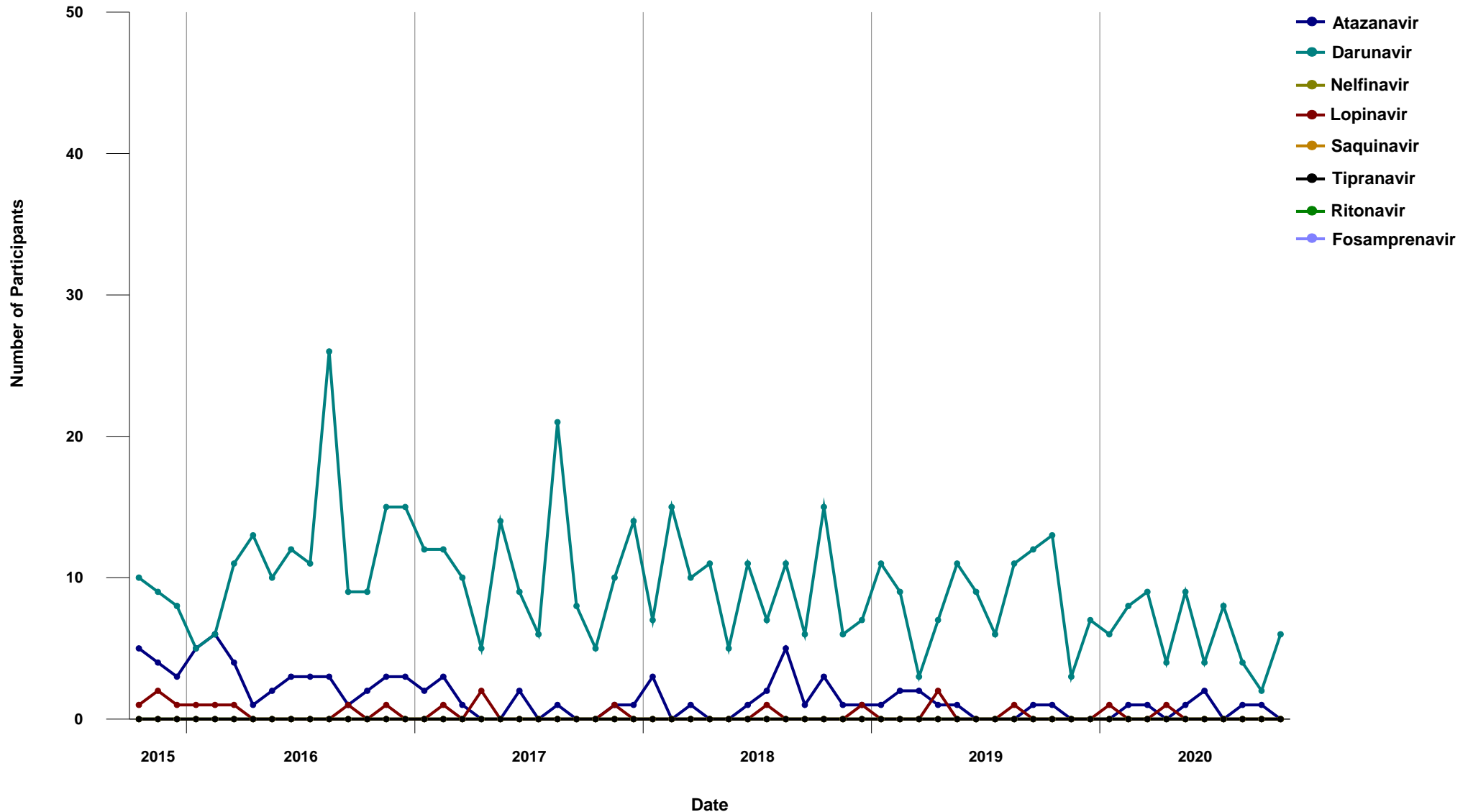
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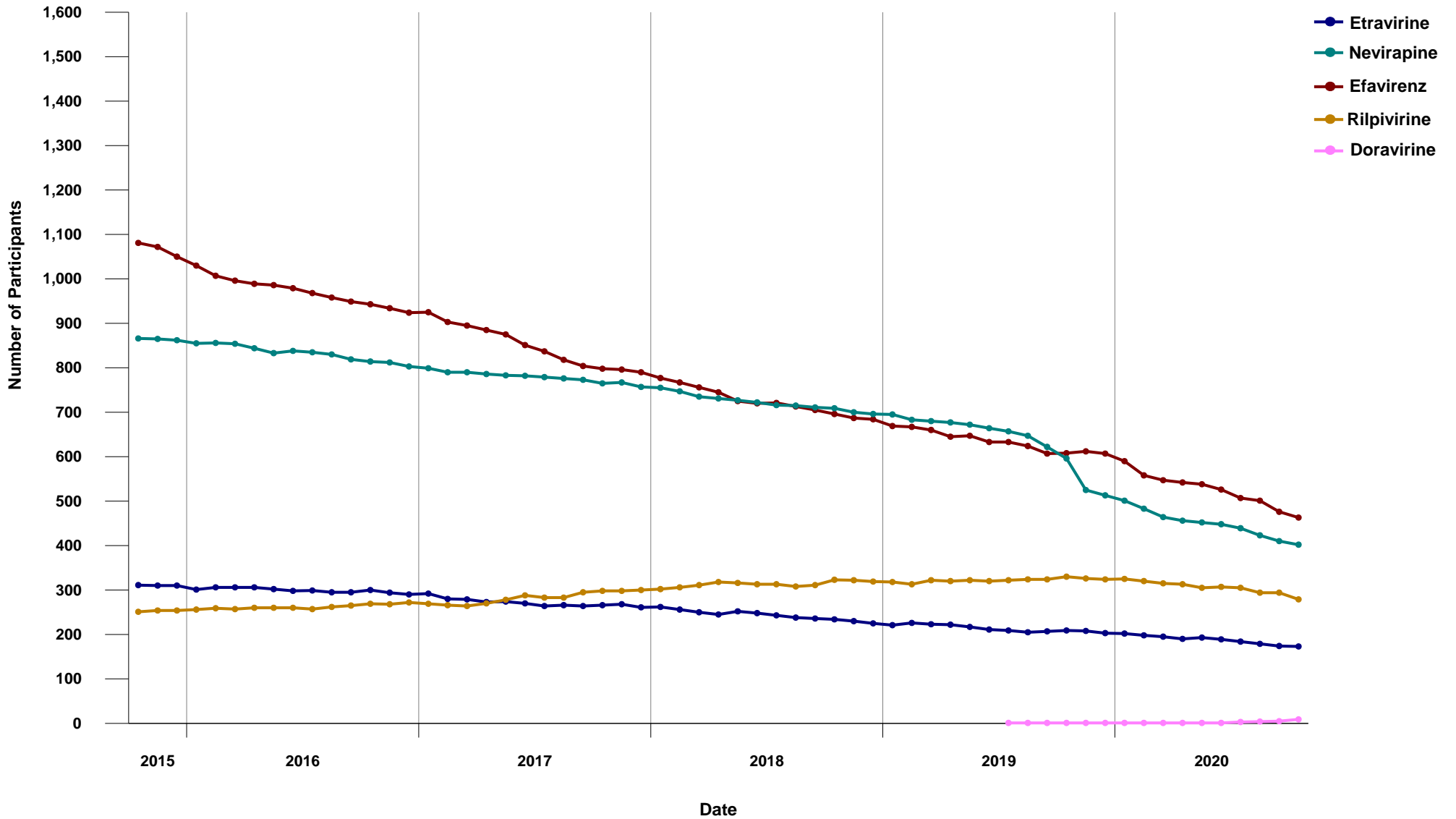
1.13 Distribution of Participants on Protease Inhibitor at the time of first start of ARV Therapy by INGREDIENT

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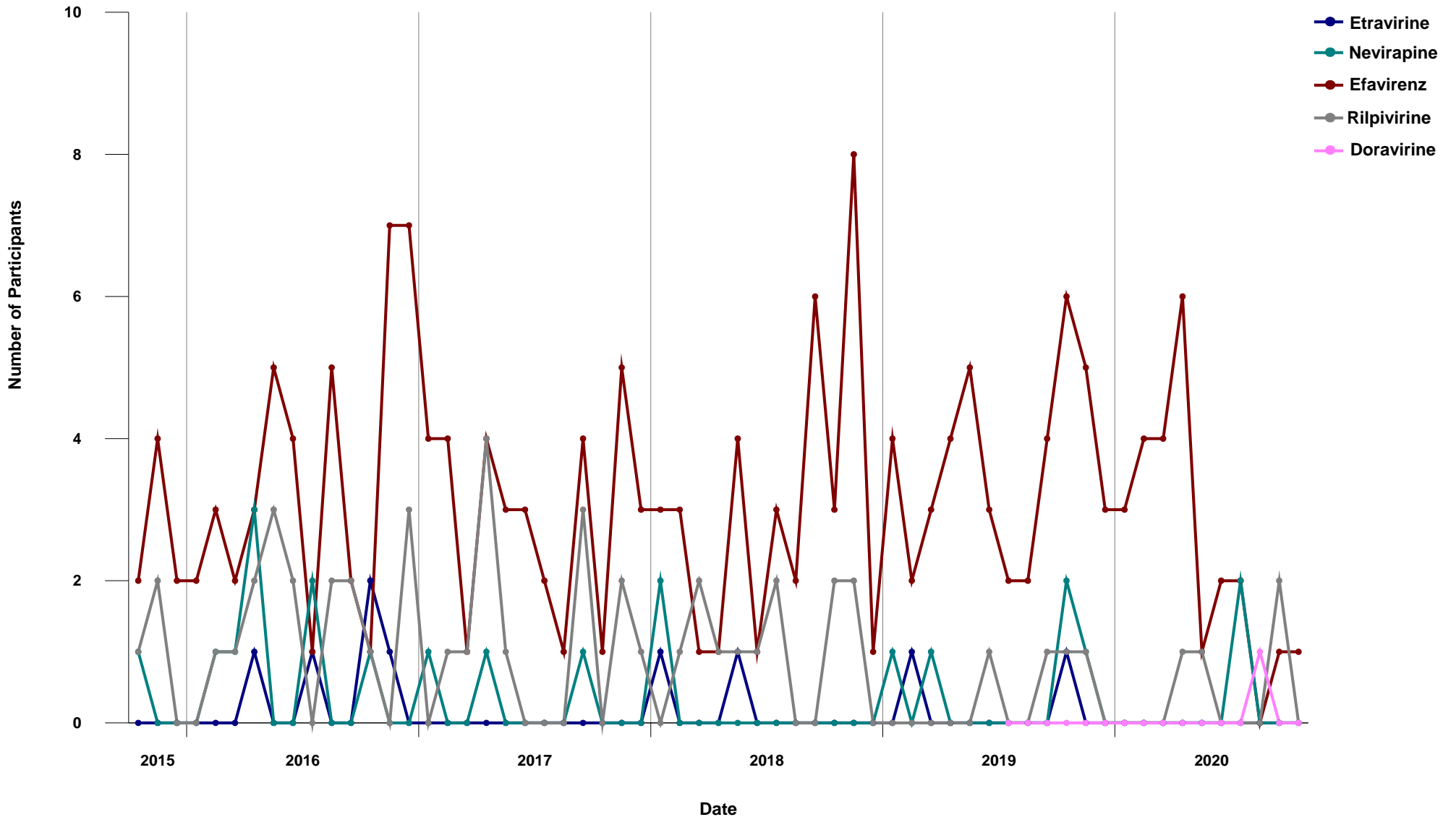
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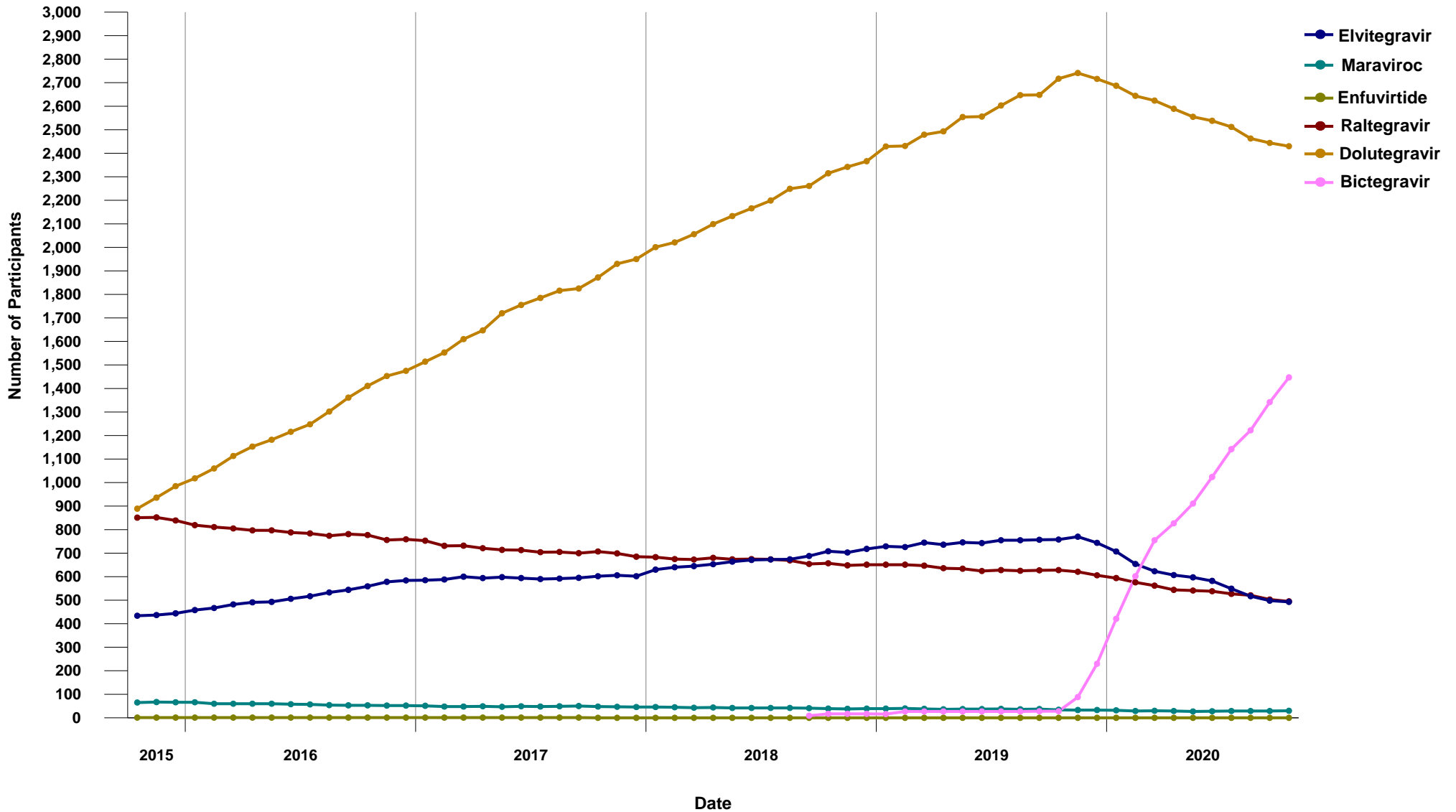
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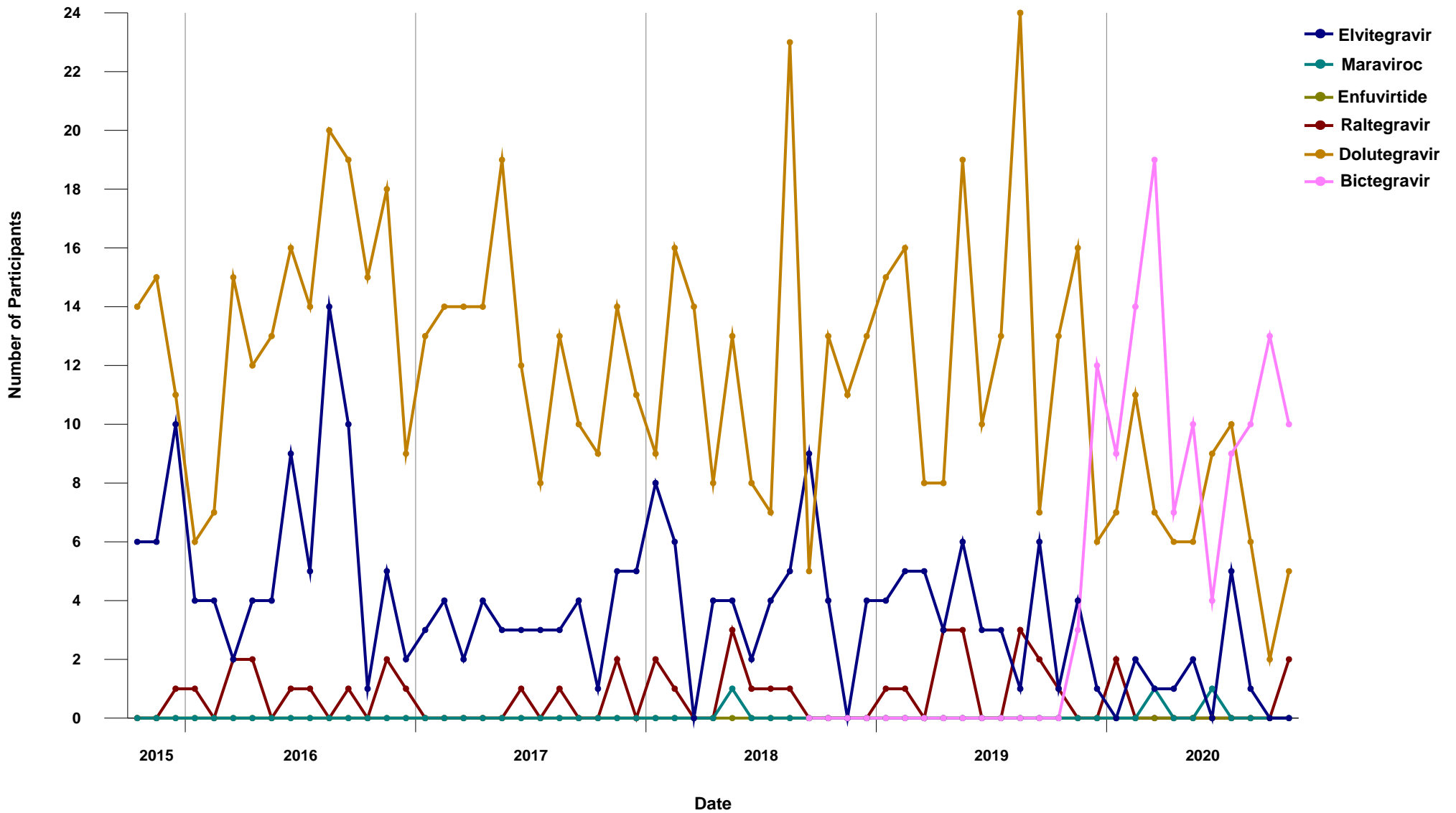
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(October 2015 - October 2020)



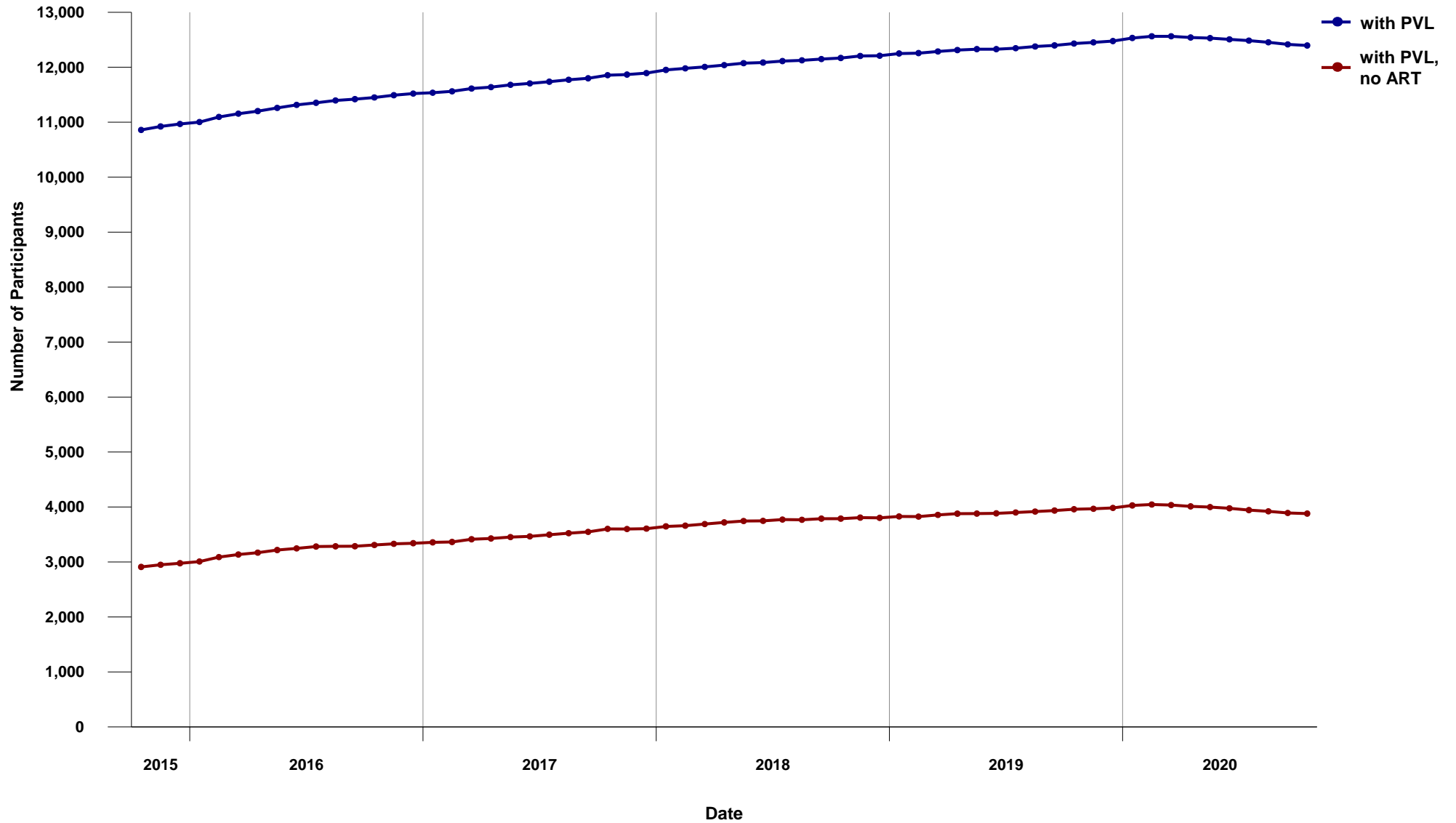


1.18 Baseline CD4 for Antiretroviral First Starts (October 2015 - October 2020)



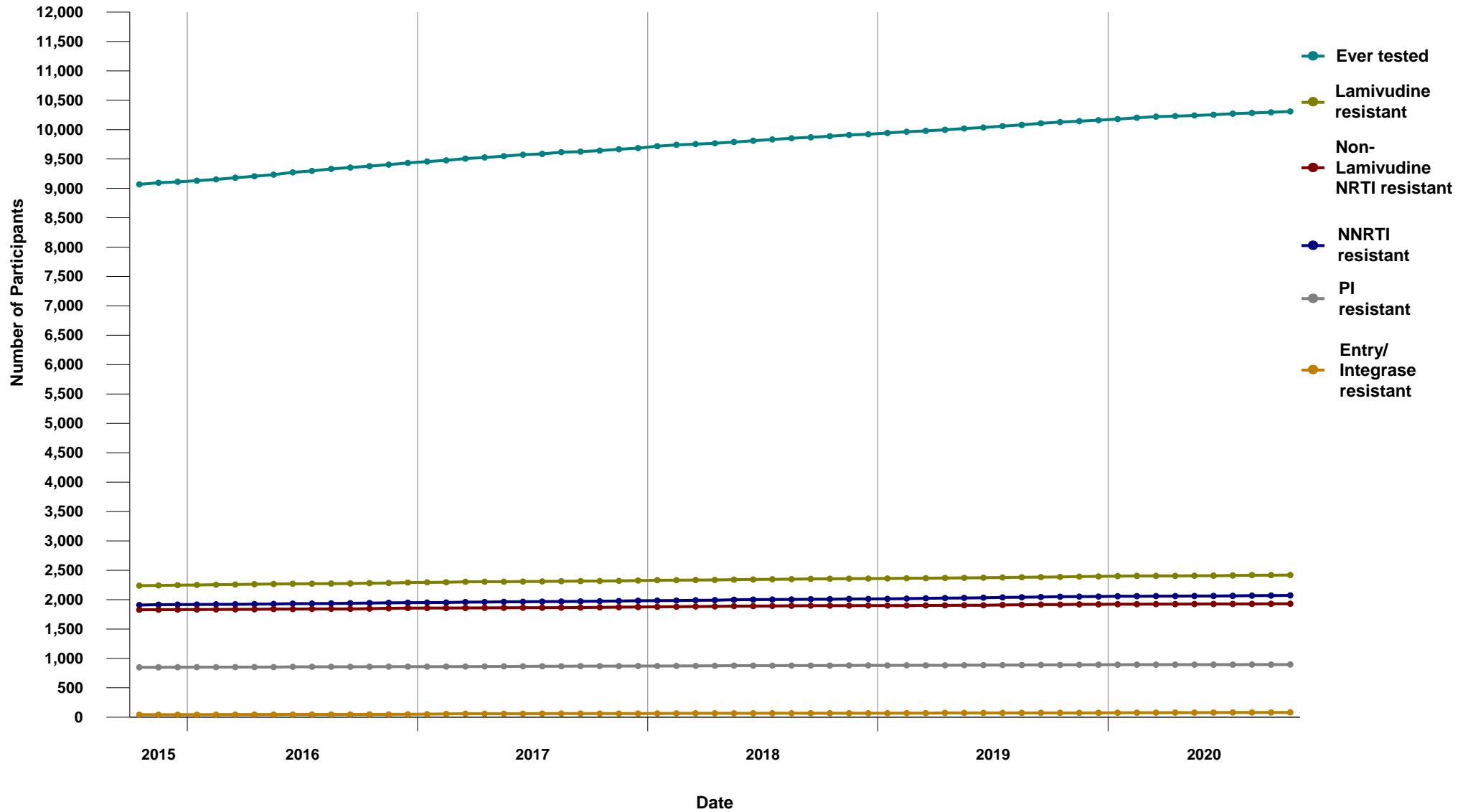


1.19 DTP Participants with PVL Measurement within previous five years, and never on ART (October 2015 - October 2020)



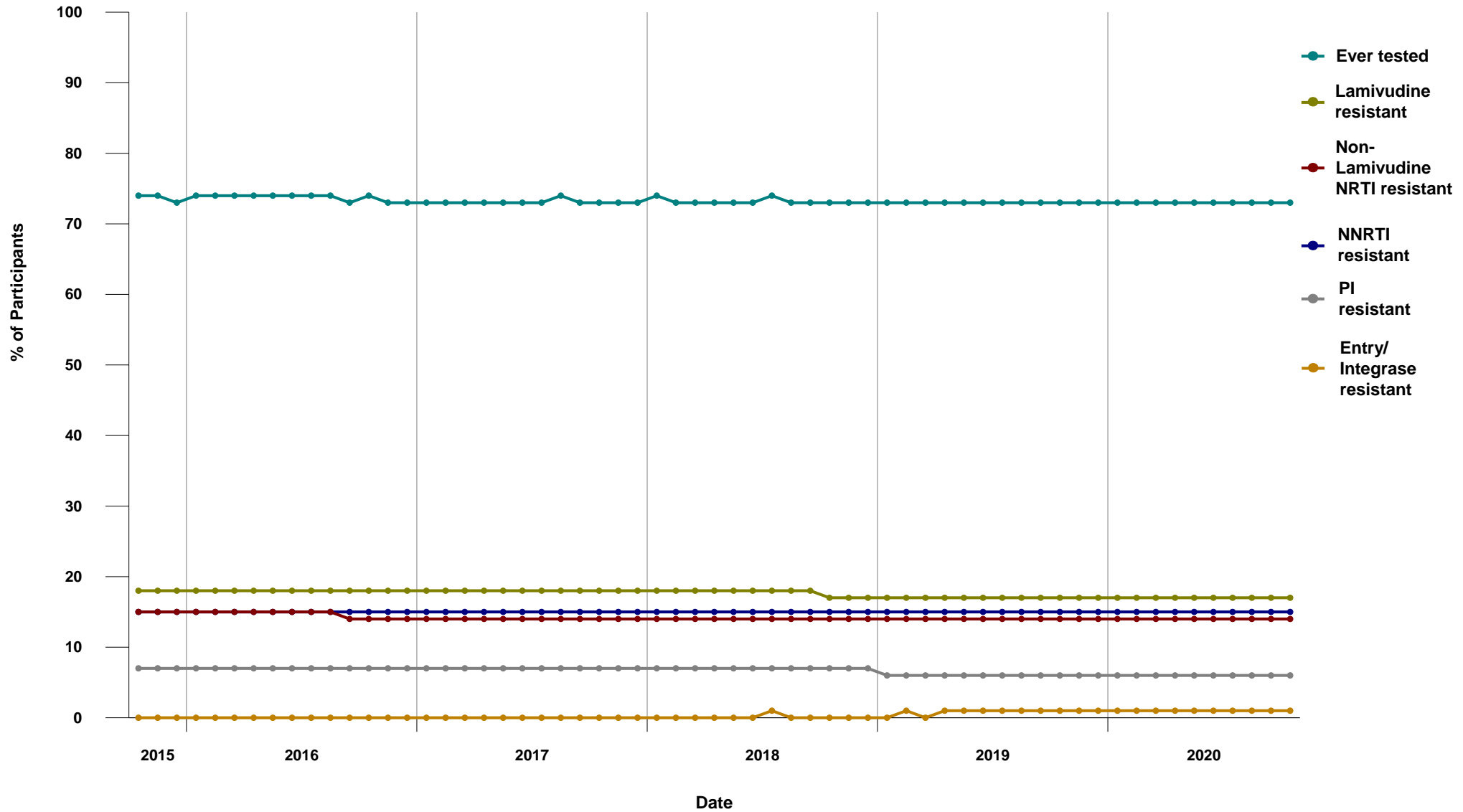


1.20 Cumulative Resistance Testing Results by Resistance Category (October 2015 - October 2020)





1.21 Percent of Participants ever on ARV - Resistance Testing Results by Resistance Category (October 2015 - October 2020)





**2.1 Duration of ARV treatment in the Province of BC, 1987-2020
(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	28	5	0	5	1	820	5	<40	4
1988	29	5	0	5	3	400	5	<40	3
1989	27	52	1	53	31	490	51	<40	3
1990	26	50	1	51	30	505	49	<40	3
1991	26	36	3	39	21	650	37	<40	3
1992	26	60	5	65	29	570	56	<40	3
1993	25	125	15	140	98	570	129	<40	3
1994	24	77	12	89	64	575	83	<40	3
1995	24	133	19	152	108	560	140	<40	3
1996	22	320	47	367	243	590	336	<40	3
1997	20	266	31	297	199	630	266	<40	3
1998	19	190	44	234	154	570	207	<40	3
1999	19	158	37	195	133	560	176	<40	3
2000	19	119	31	150	104	564	134	<40	3
2001	19	114	27	141	92	570	128	<40	3
2002	18	119	26	145	98	580	132	<40	3
2003	17	145	29	174	108	585	158	<40	3
2004	16	149	39	188	132	600	168	<40	3
2005	15	181	44	225	162	630	202	<40	3
2006	14	174	36	210	130	615	181	<40	3
2007	13	237	44	281	186	610	243	<40	3
2008	12	271	65	336	226	655	298	<40	3
2009	11	297	65	362	245	650	324	<40	3
2010	10	269	68	337	232	690	296	<40	3
2011	9	316	69	385	264	690	339	<40	3
2012	8	258	59	317	201	700	275	<40	3
2013	7	261	61	322	208	680	278	<40	3
2014	6	269	50	319	206	680	282	<40	3
2015	5	277	46	323	218	700	288	<40	3
2016	4	264	53	317	199	680	273	<40	3
2017	3	215	35	250	180	630	220	<40	3
2018	2	199	51	250	175	680	227	<40	3

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





**2.1 Duration of ARV treatment in the Province of BC, 1987-2020
(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
2019	1	237	50	287	215	650	262	<40	3
2020	1	184	48	232	188	610	214	<40	3
Total:		6032	1211	7243					

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-2019	7393	787	2456	<40	2146	610
FEB-2019	7368	793	1854	<40	1583	620
MAR-2019	7407	790	2085	<40	1753	610
APR-2019	7358	796	2141	<40	1746	610
MAY-2019	7416	791	2127	<40	1766	620
JUN-2019	7358	803	1926	<40	1593	620
JUL-2019	7370	810	2111	<40	1695	620
AUG-2019	7366	807	2106	<40	1622	602
SEP-2019	7338	805	2011	<40	1568	600
OCT-2019	7389	781	2140	<40	1746	620
NOV-2019	7342	779	2026	<40	1580	630
DEC-2019	7342	777	1700	<40	1296	610
JAN-2020	7358	774	2227	<40	1720	610
FEB-2020	7330	776	1882	<40	1414	622
MAR-2020	7387	768	1628	<40	1204	620
APR-2020	7408	770	767	<40	573	600
MAY-2020	7400	776	1186	<40	882	602
JUN-2020	7376	783	1557	<40	1136	620
JUL-2020	7344	794	1918	<40	1420	610
AUG-2020	7270	791	1848	<40	1305	630
SEP-2020	7255	784	1735	<40	1185	620
OCT-2020	7284	776	1783	<40	1204	647

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-2019	627	193	73	73	65	350
FEB-2019	658	156	75	108	66	590
MAR-2019	628	168	73	729	60	400
APR-2019	671	157	81	<50	71	480
MAY-2019	616	201	77	91	69	440
JUN-2019	679	160	78	<40	71	510
JUL-2019	667	162	70	<40	58	525
AUG-2019	686	167	80	50	67	510
SEP-2019	716	152	96	<40	81	580
OCT-2019	658	193	81	102	69	470
NOV-2019	679	179	68	<40	58	560
DEC-2019	666	180	57	<40	49	480
JAN-2020	641	191	71	255	47	460
FEB-2020	682	176	72	<40	59	480
MAR-2020	640	193	54	<40	37	470
APR-2020	619	207	28	116	22	555
MAY-2020	636	198	43	<40	31	490
JUN-2020	668	185	58	<40	47	480
JUL-2020	737	163	73	<40	57	620
AUG-2020	826	145	77	<40	65	480
SEP-2020	873	142	97	<40	69	610
OCT-2020	870	184	87	<40	67	570

Definitions:

Inactive patient defined as not deceased, not being on ARV treatment in the specified month (but previously treated with ARVs), and had contact with program in past 5 years

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-2019	7364	627	14	20	191	159	35	13564
FEB-2019	7346	658	7	16	160	181	-18	13593
MAR-2019	7367	628	15	13	187	149	21	13613
APR-2019	7324	671	10	15	152	182	-43	13641
MAY-2019	7389	616	11	21	197	136	65	13683
JUN-2019	7329	679	14	13	136	191	-60	13704
JUL-2019	7343	667	13	13	181	164	14	13727
AUG-2019	7338	686	12	18	170	174	-5	13763
SEP-2019	7310	716	14	15	181	204	-28	13790
OCT-2019	7323	658	3	13	223	150	13	13819
NOV-2019	7316	679	9	17	165	170	-7	13852
DEC-2019	7311	666	8	12	164	157	-5	13879
JAN-2020	7330	641	10	13	183	155	19	13903
FEB-2020	7296	682	12	19	141	173	-34	13939
MAR-2020	7358	640	14	23	210	153	62	13975
APR-2020	7382	619	12	8	158	127	24	14000
MAY-2020	7377	636	10	15	130	133	-5	14025
JUN-2020	7348	668	8	9	125	149	-29	14042
JUL-2020	7311	737	15	12	159	189	-37	14074
AUG-2020	7229	826	18	11	169	239	-82	14094
SEP-2020	7208	873	19	9	231	237	-21	14115
OCT-2020	7243	870	19	13	222	177	35	14136

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, and had contact with the program in the past 5 years

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-2019	55	6800	485	53	7393	0.74%	91.98%	6.56%	0.72%	100.00%
FEB-2019	54	6775	490	49	7368	0.73%	91.95%	6.65%	0.67%	100.00%
MAR-2019	60	6808	489	50	7407	0.81%	91.91%	6.60%	0.68%	100.00%
APR-2019	57	6764	489	48	7358	0.77%	91.93%	6.65%	0.65%	100.00%
MAY-2019	56	6824	491	45	7416	0.76%	92.02%	6.62%	0.61%	100.00%
JUN-2019	58	6771	481	48	7358	0.79%	92.02%	6.54%	0.65%	100.00%
JUL-2019	61	6772	489	48	7370	0.83%	91.89%	6.64%	0.65%	100.00%
AUG-2019	60	6775	481	50	7366	0.81%	91.98%	6.53%	0.68%	100.00%
SEP-2019	57	6744	486	51	7338	0.78%	91.91%	6.62%	0.70%	100.00%
OCT-2019	61	6788	488	52	7389	0.83%	91.87%	6.60%	0.70%	100.00%
NOV-2019	60	6746	486	50	7342	0.82%	91.88%	6.62%	0.68%	100.00%
DEC-2019	61	6755	478	48	7342	0.83%	92.00%	6.51%	0.65%	100.00%
JAN-2020	60	6758	484	56	7358	0.82%	91.85%	6.58%	0.76%	100.00%
FEB-2020	59	6736	476	59	7330	0.80%	91.90%	6.49%	0.80%	100.00%
MAR-2020	60	6790	486	51	7387	0.81%	91.92%	6.58%	0.69%	100.00%
APR-2020	61	6814	483	50	7408	0.82%	91.98%	6.52%	0.67%	100.00%
MAY-2020	60	6809	481	50	7400	0.81%	92.01%	6.50%	0.68%	100.00%
JUN-2020	59	6781	485	51	7376	0.80%	91.93%	6.58%	0.69%	100.00%
JUL-2020	62	6762	472	48	7344	0.84%	92.08%	6.43%	0.65%	100.00%
AUG-2020	71	6690	458	51	7270	0.98%	92.02%	6.30%	0.70%	100.00%
SEP-2020	87	6659	457	52	7255	1.20%	91.78%	6.30%	0.72%	100.00%
OCT-2020	106	6664	463	51	7284	1.46%	91.49%	6.36%	0.70%	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-2019	8 23%	3467 48%	7 20%	3254 45%	1 3%	45 1%	0 0%	4 0%	0 0%	1 0%	1 3%	519 7%	26 74%	3358 47%
FEB-2019	13 45%	3457 48%	12 41%	3256 45%	0 0%	44 1%	0 0%	1 0%	0 0%	1 0%	3 10%	541 8%	13 45%	3306 46%
MAR-2019	6 30%	3470 48%	6 30%	3274 45%	0 0%	43 1%	0 0%	2 0%	0 0%	0 0%	2 10%	559 8%	12 60%	3305 46%
APR-2019	12 43%	3469 48%	12 43%	3278 46%	0 0%	43 1%	0 0%	2 0%	0 0%	0 0%	2 7%	586 8%	14 50%	3245 45%
MAY-2019	14 34%	3498 48%	14 34%	3308 46%	0 0%	43 1%	0 0%	2 0%	0 0%	1 0%	4 10%	593 8%	23 56%	3258 45%
JUN-2019	3 14%	3479 49%	3 14%	3291 46%	0 0%	43 1%	0 0%	2 0%	0 0%	1 0%	2 10%	608 8%	16 76%	3198 45%
JUL-2019	8 36%	3504 49%	8 36%	3325 46%	0 0%	38 1%	0 0%	1 0%	0 0%	1 0%	1 5%	625 9%	13 59%	3177 44%
AUG-2019	14 39%	3515 49%	12 33%	3340 47%	2 6%	41 1%	0 0%	1 0%	0 0%	1 0%	2 6%	630 9%	20 56%	3144 44%
SEP-2019	5 19%	3494 49%	5 19%	3318 46%	0 0%	39 1%	0 0%	1 0%	0 0%	1 0%	5 19%	653 9%	17 63%	3121 44%
OCT-2019	4 14%	3513 49%	2 7%	3331 46%	0 0%	38 1%	0 0%	1 0%	0 0%	1 0%	1 4%	668 9%	23 82%	3142 44%
NOV-2019	8 24%	3458 48%	7 21%	3281 46%	1 3%	37 1%	0 0%	1 0%	0 0%	1 0%	6 18%	728 10%	19 58%	3113 44%
DEC-2019	1 4%	3436 48%	1 4%	3258 46%	0 0%	37 1%	0 0%	1 0%	0 0%	1 0%	13 48%	855 12%	13 48%	3051 43%
JAN-2020	2 8%	3402 47%	2 8%	3226 45%	0 0%	34 0%	0 0%	1 0%	0 0%	0 0%	9 38%	1024 14%	13 54%	2963 41%
FEB-2020	3 8%	3352 47%	3 8%	3180 45%	0 0%	33 0%	0 0%	1 0%	0 0%	0 0%	16 44%	1169 16%	17 47%	2825 40%
MAR-2020	5 14%	3325 46%	5 14%	3160 44%	1 3%	34 0%	0 0%	1 0%	0 0%	0 0%	20 56%	1326 18%	11 31%	2719 38%
APR-2020	6 24%	3298 46%	5 20%	3137 43%	1 4%	35 0%	0 0%	0 0%	0 0%	0 0%	8 32%	1402 19%	11 44%	2637 37%
MAY-2020	1 4%	3273 45%	0 0%	3112 43%	0 0%	36 0%	0 0%	0 0%	0 0%	0 0%	13 54%	1481 21%	11 46%	2597 36%
JUN-2020	5 29%	3244 45%	5 29%	3082 43%	0 0%	33 0%	0 0%	0 0%	0 0%	0 0%	4 24%	1587 22%	8 47%	2521 35%
JUL-2020	6 19%	3205 45%	4 13%	3045 43%	2 6%	32 0%	0 0%	0 0%	0 0%	0 0%	14 44%	1697 24%	12 38%	2422 34%
AUG-2020	3 15%	3155 45%	2 10%	2995 42%	0 0%	31 0%	0 0%	0 0%	0 0%	0 0%	11 55%	1764 25%	6 30%	2317 33%
SEP-2020	3 14%	3128 44%	2 10%	2968 42%	0 0%	31 0%	0 0%	0 0%	0 0%	0 0%	13 62%	1876 27%	5 24%	2229 32%
OCT-2020	2 10%	3129 44%	2 10%	2952 42%	0 0%	30 0%	0 0%	0 0%	0 0%	0 0%	12 57%	1977 28%	7 33%	2138 30%

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





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

	emtricitabine			
	Initial		All	
JAN-2019	27	77%	3697	51%
FEB-2019	16	55%	3674	51%
MAR-2019	14	70%	3702	51%
APR-2019	16	57%	3662	51%
MAY-2019	27	66%	3689	51%
JUN-2019	18	86%	3643	51%
JUL-2019	14	64%	3650	51%
AUG-2019	22	61%	3626	51%
SEP-2019	22	81%	3622	51%
OCT-2019	24	86%	3663	51%
NOV-2019	25	76%	3671	51%
DEC-2019	26	96%	3713	52%
JAN-2020	22	92%	3763	52%
FEB-2020	33	92%	3781	53%
MAR-2020	30	83%	3855	54%
APR-2020	19	76%	3888	54%
MAY-2020	23	96%	3916	54%
JUN-2020	12	71%	3927	55%
JUL-2020	26	81%	3946	55%
AUG-2020	17	85%	3922	55%
SEP-2020	18	86%	3940	56%
OCT-2020	19	90%	3970	56%

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-2019	0 0%	6 0%	1 8%	1097 40%	11 92%	1475 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%	1069 40%	9 82%	1472 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%	1053 39%	3 60%	1486 55%	0 0%	132 5%	0 0%	1 0%	0 0%	1 0%	0 0%	7 0%
APR-2019	0 0%	5 0%	1 10%	1027 39%	7 70%	1477 56%	2 20%	132 5%	0 0%	2 0%	0 0%	1 0%	0 0%	7 0%
MAY-2019	0 0%	5 0%	1 8%	1033 39%	11 92%	1478 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%	1001 39%	9 100%	1464 57%	0 0%	119 5%	0 0%	1 0%	0 0%	1 0%	0 0%	6 0%
JUL-2019	0 0%	5 0%	0 0%	981 38%	6 100%	1482 58%	0 0%	111 4%	0 0%	1 0%	0 0%	1 0%	0 0%	6 0%
AUG-2019	0 0%	5 0%	0 0%	968 38%	11 92%	1459 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%	954 37%	12 92%	1481 58%	0 0%	110 4%	0 0%	1 0%	0 0%	1 0%	0 0%	6 0%
OCT-2019	0 0%	4 0%	1 7%	957 37%	13 93%	1489 58%	0 0%	109 4%	0 0%	1 0%	0 0%	1 0%	0 0%	6 0%
NOV-2019	0 0%	4 0%	0 0%	940 37%	3 100%	1469 58%	0 0%	101 4%	0 0%	1 0%	0 0%	1 0%	0 0%	6 0%
DEC-2019	0 0%	4 0%	0 0%	923 37%	7 100%	1466 59%	0 0%	100 4%	0 0%	1 0%	0 0%	1 0%	0 0%	6 0%
JAN-2020	0 0%	2 0%	0 0%	910 37%	6 86%	1466 59%	1 14%	96 4%	0 0%	0 0%	0 0%	1 0%	0 0%	6 0%
FEB-2020	0 0%	2 0%	1 11%	873 36%	8 89%	1454 60%	0 0%	96 4%	0 0%	0 0%	0 0%	1 0%	0 0%	6 0%
MAR-2020	0 0%	2 0%	1 10%	860 36%	9 90%	1434 60%	0 0%	93 4%	0 0%	0 0%	0 0%	1 0%	0 0%	6 0%
APR-2020	0 0%	2 0%	0 0%	838 36%	4 80%	1412 60%	1 20%	93 4%	0 0%	0 0%	0 0%	1 0%	0 0%	6 0%
MAY-2020	0 0%	2 0%	1 10%	834 36%	9 90%	1411 60%	0 0%	89 4%	0 0%	0 0%	0 0%	0 0%	0 0%	6 0%
JUN-2020	0 0%	2 0%	2 33%	813 35%	4 67%	1388 61%	0 0%	86 4%	0 0%	0 0%	0 0%	1 0%	0 0%	6 0%
JUL-2020	0 0%	1 0%	0 0%	782 35%	8 100%	1362 61%	0 0%	81 4%	0 0%	0 0%	0 0%	1 0%	0 0%	6 0%
AUG-2020	0 0%	1 0%	1 20%	752 35%	4 80%	1331 62%	0 0%	79 4%	0 0%	0 0%	0 0%	1 0%	0 0%	6 0%
SEP-2020	0 0%	0 0%	1 33%	738 35%	2 67%	1305 61%	0 0%	79 4%	0 0%	0 0%	0 0%	1 0%	0 0%	6 0%
OCT-2020	0 0%	0 0%	0 0%	712 34%	6 100%	1285 62%	0 0%	77 4%	0 0%	0 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





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

	tipranavir			
	Initial		All	
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%
OCT-2019	0	0%	1	0%
NOV-2019	0	0%	1	0%
DEC-2019	0	0%	1	0%
JAN-2020	0	0%	1	0%
FEB-2020	0	0%	1	0%
MAR-2020	0	0%	1	0%
APR-2020	0	0%	1	0%
MAY-2020	0	0%	0	0%
JUN-2020	0	0%	1	0%
JUL-2020	0	0%	1	0%
AUG-2020	0	0%	1	0%
SEP-2020	0	0%	1	0%
OCT-2020	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-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%	667 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%	223 12%	1 25%	680 36%	0 0%	322 17%
APR-2019	0 0%	0 0%	4 100%	645 35%	0 0%	222 12%	0 0%	677 36%	0 0%	320 17%
MAY-2019	0 0%	0 0%	5 100%	647 35%	0 0%	217 12%	0 0%	672 36%	0 0%	322 17%
JUN-2019	0 0%	0 0%	3 75%	633 35%	0 0%	211 12%	0 0%	664 36%	1 25%	320 18%
JUL-2019	0 0%	1 0%	2 100%	633 35%	0 0%	209 11%	0 0%	657 36%	0 0%	322 18%
AUG-2019	0 0%	1 0%	2 100%	624 35%	0 0%	205 11%	0 0%	647 36%	0 0%	324 18%
SEP-2019	0 0%	1 0%	4 80%	607 34%	0 0%	207 12%	0 0%	622 35%	1 20%	324 18%
OCT-2019	0 0%	1 0%	6 60%	608 35%	1 10%	209 12%	2 20%	596 34%	1 10%	330 19%
NOV-2019	0 0%	1 0%	5 71%	612 37%	0 0%	208 12%	1 14%	525 31%	1 14%	326 20%
DEC-2019	0 0%	1 0%	3 100%	607 37%	0 0%	203 12%	0 0%	513 31%	0 0%	324 20%
JAN-2020	0 0%	1 0%	3 100%	590 36%	0 0%	202 12%	0 0%	501 31%	0 0%	325 20%
FEB-2020	0 0%	1 0%	4 100%	558 36%	0 0%	198 13%	0 0%	483 31%	0 0%	320 21%
MAR-2020	0 0%	1 0%	4 100%	547 36%	0 0%	195 13%	0 0%	464 31%	0 0%	315 21%
APR-2020	0 0%	1 0%	6 86%	542 36%	0 0%	190 13%	0 0%	456 30%	1 14%	313 21%
MAY-2020	0 0%	1 0%	1 50%	538 36%	0 0%	193 13%	0 0%	452 30%	1 50%	305 20%
JUN-2020	0 0%	1 0%	2 100%	526 36%	0 0%	189 13%	0 0%	448 30%	0 0%	307 21%
JUL-2020	0 0%	3 0%	2 50%	507 35%	0 0%	184 13%	2 50%	439 31%	0 0%	305 21%
AUG-2020	1 100%	4 0%	0 0%	501 36%	0 0%	179 13%	0 0%	423 30%	0 0%	294 21%
SEP-2020	0 0%	5 0%	1 33%	476 35%	0 0%	174 13%	0 0%	410 30%	2 67%	294 22%
OCT-2020	0 0%	9 1%	1 100%	463 35%	0 0%	173 13%	0 0%	402 30%	0 0%	279 21%

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-2019	0 0%	16 0%	15 75%	2429 63%	4 20%	729 19%	0 0%	39 1%	1 5%	651 17%
FEB-2019	0 0%	27 1%	16 73%	2431 63%	5 23%	726 19%	0 0%	40 1%	1 5%	651 17%
MAR-2019	0 0%	27 1%	8 62%	2479 64%	5 38%	745 19%	0 0%	38 1%	0 0%	647 17%
APR-2019	0 0%	27 1%	8 57%	2493 64%	3 21%	736 19%	0 0%	36 1%	3 21%	636 16%
MAY-2019	0 0%	27 1%	19 68%	2554 64%	6 21%	746 19%	0 0%	37 1%	3 11%	634 16%
JUN-2019	0 0%	27 1%	10 77%	2556 65%	3 23%	743 19%	0 0%	37 1%	0 0%	624 16%
JUL-2019	0 0%	27 1%	13 81%	2603 65%	3 19%	755 19%	0 0%	38 1%	0 0%	628 16%
AUG-2019	0 0%	27 1%	24 86%	2647 65%	1 4%	755 19%	0 0%	36 1%	3 11%	625 15%
SEP-2019	0 0%	28 1%	7 47%	2648 65%	6 40%	757 19%	0 0%	37 1%	2 13%	627 15%
OCT-2019	0 0%	28 1%	13 87%	2717 66%	1 7%	758 18%	0 0%	34 1%	1 7%	628 15%
NOV-2019	3 13%	88 2%	16 70%	2741 65%	4 17%	770 18%	0 0%	33 1%	0 0%	621 15%
DEC-2019	12 63%	230 5%	6 32%	2716 64%	1 5%	744 18%	0 0%	33 1%	0 0%	606 14%
JAN-2020	9 50%	421 10%	7 39%	2687 62%	0 0%	707 16%	0 0%	32 1%	2 11%	594 14%
FEB-2020	14 52%	602 14%	11 41%	2644 60%	2 7%	654 15%	0 0%	29 1%	0 0%	576 13%
MAR-2020	19 68%	755 17%	7 25%	2624 58%	1 4%	623 14%	1 4%	30 1%	0 0%	562 12%
APR-2020	7 50%	827 18%	6 43%	2589 57%	1 7%	607 13%	0 0%	29 1%	0 0%	544 12%
MAY-2020	10 56%	911 20%	6 33%	2555 56%	2 11%	597 13%	0 0%	27 1%	0 0%	541 12%
JUN-2020	4 31%	1024 22%	9 69%	2538 55%	0 0%	582 13%	1 8%	28 1%	0 0%	538 12%
JUL-2020	9 38%	1142 24%	10 42%	2512 54%	5 21%	549 12%	0 0%	29 1%	0 0%	527 11%
AUG-2020	10 59%	1222 26%	6 35%	2463 52%	1 6%	517 11%	0 0%	29 1%	0 0%	521 11%
SEP-2020	13 87%	1342 28%	2 13%	2444 51%	0 0%	498 10%	0 0%	29 1%	0 0%	503 11%
OCT-2020	10 59%	1447 30%	5 29%	2430 50%	0 0%	493 10%	0 0%	30 1%	2 12%	495 10%

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-2019	1830	24.75	1481	20.03	3061	41.40	100	1.35	53	0.72	868	11.74
FEB-2019	1802	24.46	1478	20.06	3072	41.69	99	1.34	49	0.67	868	11.78
MAR-2019	1794	24.22	1471	19.86	3124	42.18	98	1.32	50	0.68	870	11.75
APR-2019	1760	23.92	1458	19.82	3135	42.61	100	1.36	48	0.65	857	11.65
MAY-2019	1773	23.91	1448	19.53	3196	43.10	97	1.31	45	0.61	857	11.56
JUN-2019	1738	23.62	1438	19.54	3195	43.42	95	1.29	48	0.65	844	11.47
JUL-2019	1712	23.23	1427	19.36	3236	43.91	92	1.25	48	0.65	855	11.60
AUG-2019	1686	22.89	1402	19.03	3295	44.73	94	1.28	50	0.68	839	11.39
SEP-2019	1697	23.13	1361	18.55	3298	44.94	93	1.27	51	0.70	838	11.42
OCT-2019	1702	23.03	1339	18.12	3357	45.43	93	1.26	52	0.70	846	11.45
NOV-2019	1666	22.69	1272	17.32	3424	46.64	91	1.24	50	0.68	839	11.43
DEC-2019	1643	22.38	1248	17.00	3483	47.44	92	1.25	48	0.65	828	11.28
JAN-2020	1617	21.98	1210	16.44	3562	48.41	87	1.18	56	0.76	826	11.23
FEB-2020	1573	21.46	1154	15.74	3644	49.71	85	1.16	59	0.80	815	11.12
MAR-2020	1540	20.85	1134	15.35	3755	50.83	85	1.15	51	0.69	822	11.13
APR-2020	1522	20.55	1129	15.24	3807	51.39	85	1.15	50	0.67	815	11.00
MAY-2020	1512	20.43	1113	15.04	3831	51.77	83	1.12	50	0.68	811	10.96
JUN-2020	1460	19.79	1087	14.74	3883	52.64	83	1.13	51	0.69	812	11.01
JUL-2020	1424	19.39	1059	14.42	3939	53.64	79	1.08	48	0.65	795	10.83
AUG-2020	1380	18.98	1028	14.14	3950	54.33	78	1.07	51	0.70	783	10.77
SEP-2020	1344	18.53	982	13.54	4007	55.23	76	1.05	52	0.72	794	10.94
OCT-2020	1312	18.01	966	13.26	4069	55.86	76	1.04	51	0.70	810	11.12

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-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	15	3	3	1	2	4	340
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	15	0	0	2	4	7	530
OCT-2019	13	1	1	4	4	3	380
NOV-2019	17	4	1	1	1	10	520
DEC-2019	12	0	2	4	2	4	350
JAN-2020	13	0	2	1	4	4	490
FEB-2020	19	5	1	5	3	5	320
MAR-2020	23	4	0	3	1	10	550
APR-2020	8	0	0	3	0	5	686
MAY-2020	15	1	0	3	4	7	400
JUN-2020	9	1	0	3	4	1	380
JUL-2020	12	3	0	0	2	4	500
AUG-2020	11	3	1	3	2	1	225
SEP-2020	9	3	2	1	0	0	71
OCT-2020	13	2	1	1	3	3	381

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-2019	12250	3828
FEB-2019	12257	3826
MAR-2019	12287	3856
APR-2019	12313	3879
MAY-2019	12329	3880
JUN-2019	12329	3885
JUL-2019	12346	3900
AUG-2019	12378	3917
SEP-2019	12397	3935
OCT-2019	12431	3959
NOV-2019	12453	3968
DEC-2019	12477	3983
JAN-2020	12532	4029
FEB-2020	12563	4046
MAR-2020	12563	4036
APR-2020	12541	4012
MAY-2020	12530	3999
JUN-2020	12508	3977
JUL-2020	12485	3944
AUG-2020	12454	3921
SEP-2020	12416	3892
OCT-2020	12396	3881

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

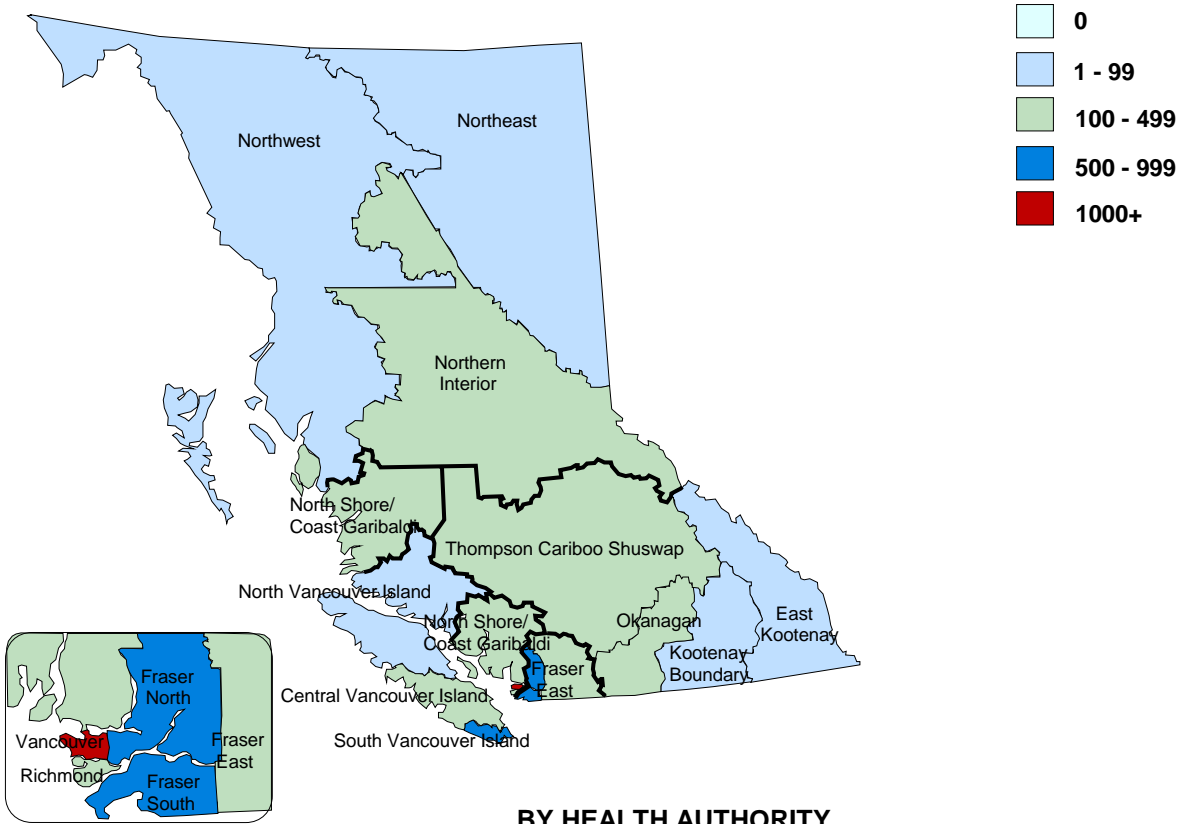




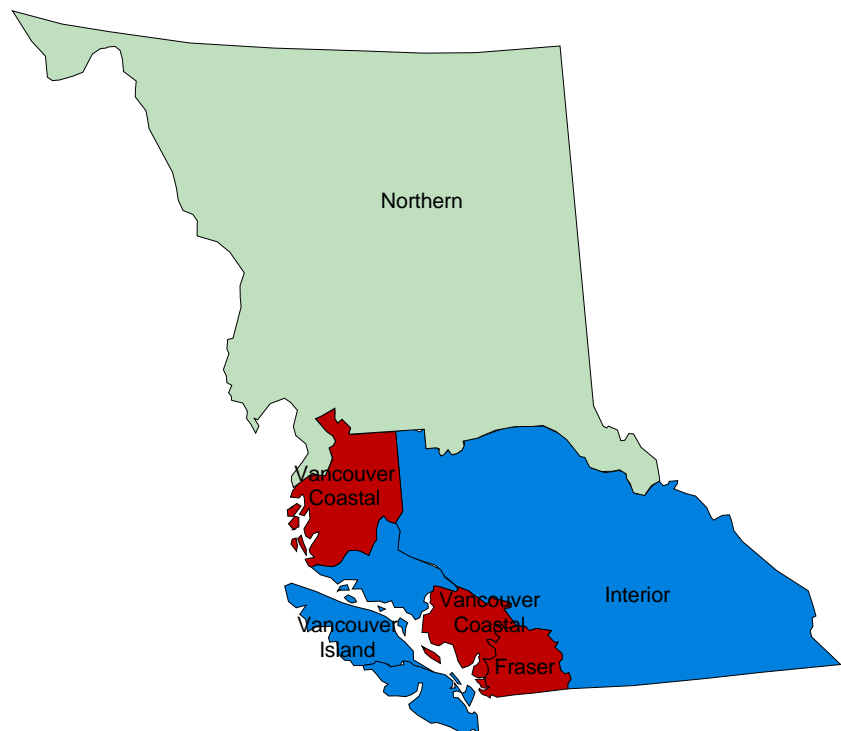
3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants
October 2020

N = 7284

BY HEALTH SERVICES DELIVERY AREA



BY HEALTH AUTHORITY

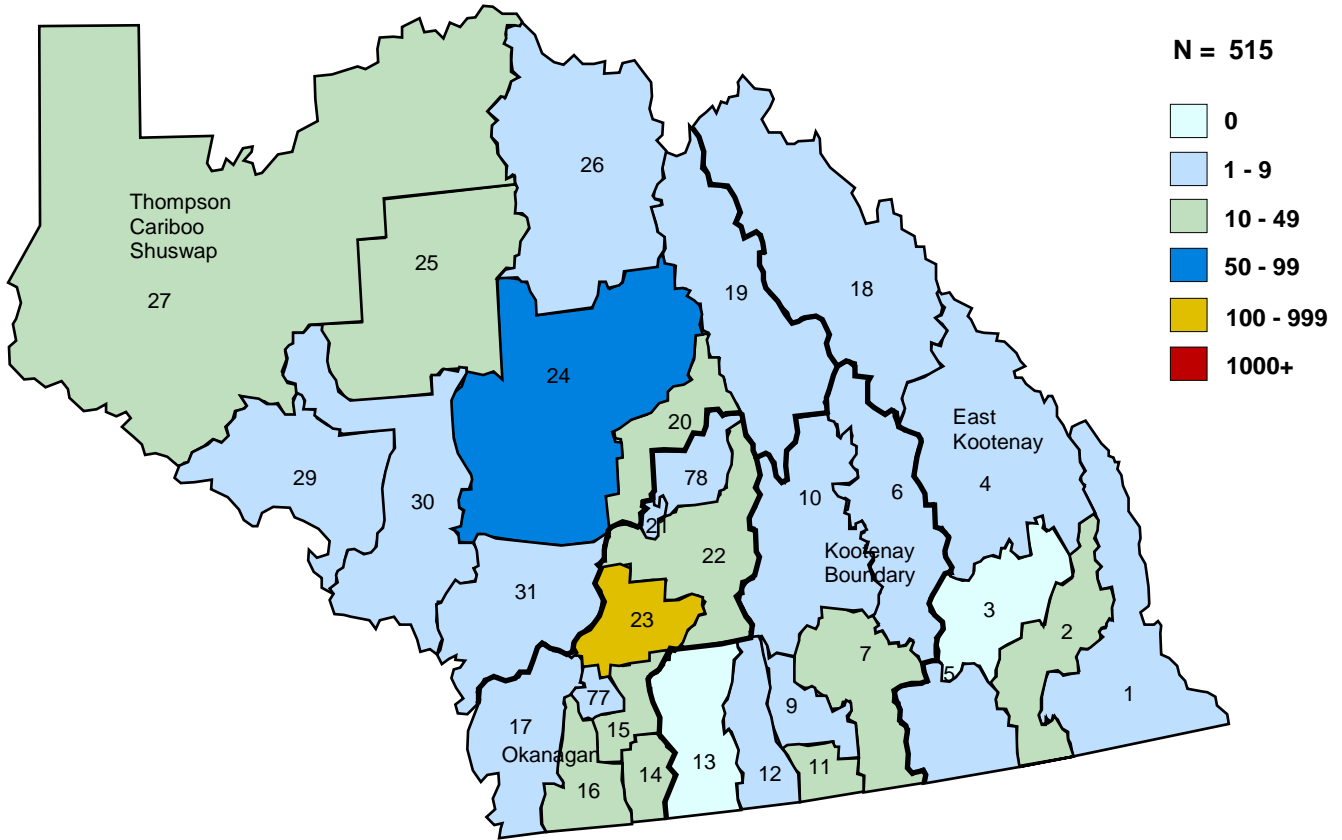




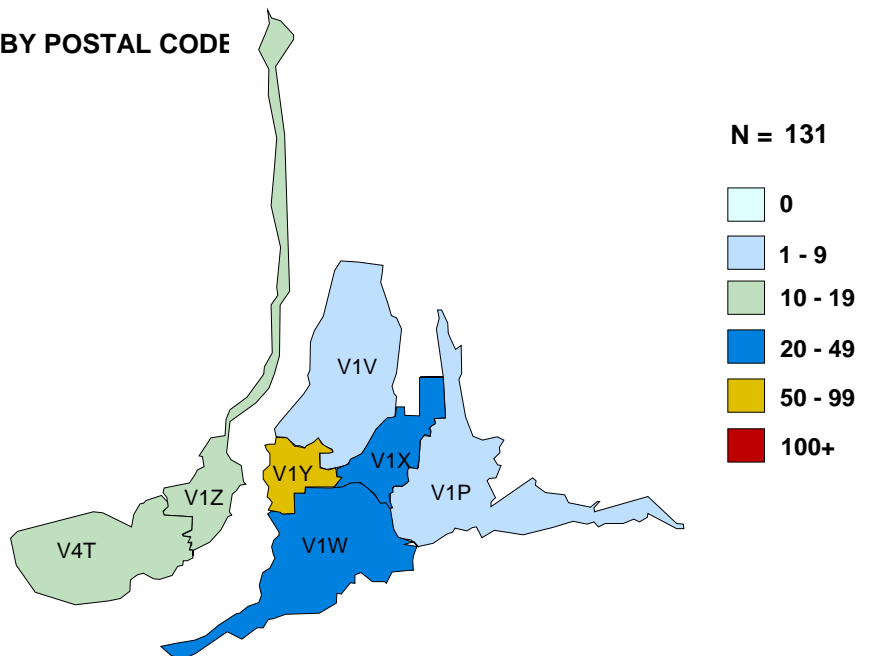
3.2 Distribution of HIV/AIDS Drug Treatment Program Active Participants

October 2020

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



KELOWNA BY POSTAL CODE

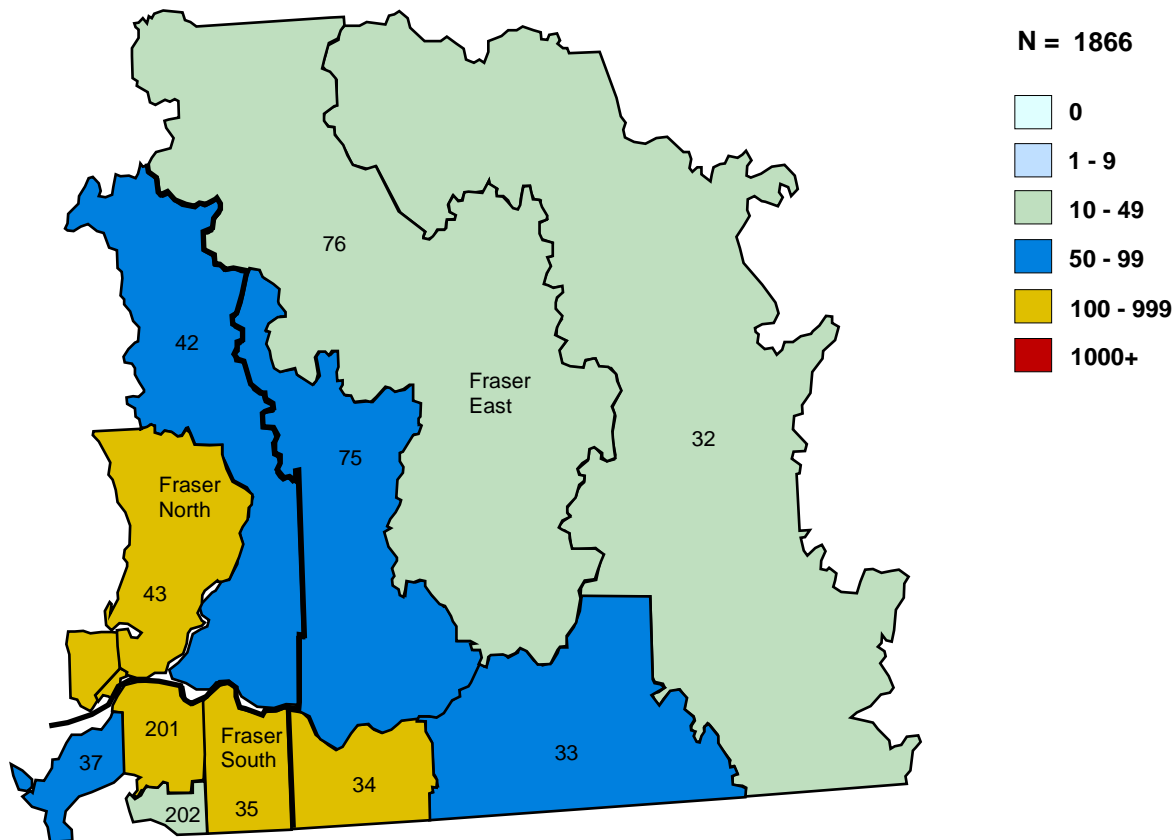




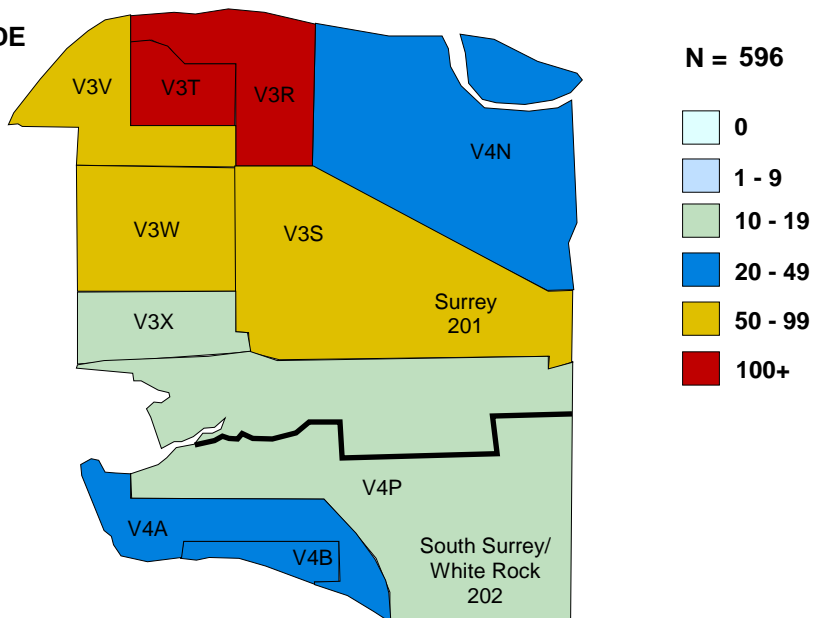
3.3 Distribution of HIV/AIDS Drug Treatment Program Active Participants

October 2020

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



SURREY BY POSTAL CODE

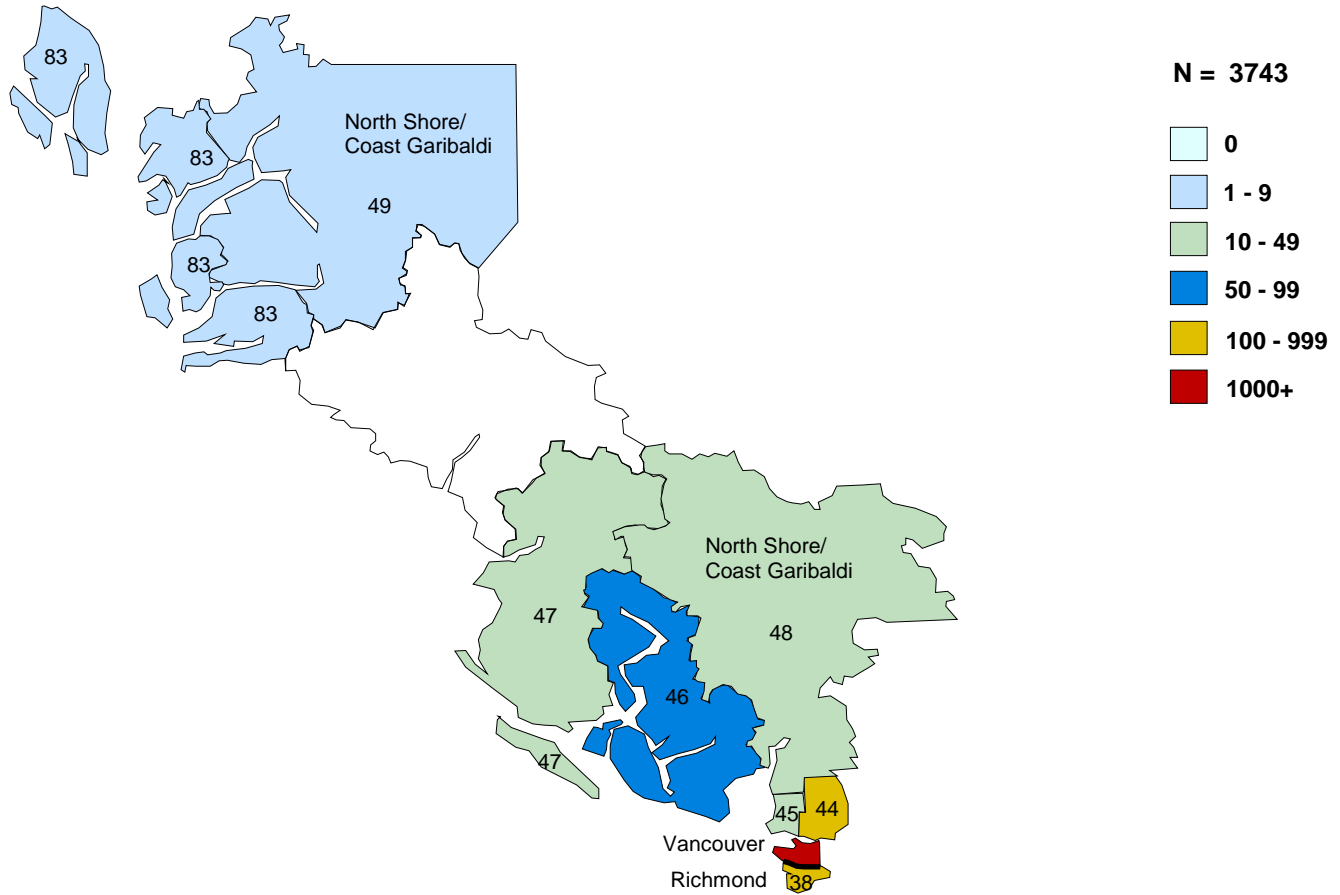




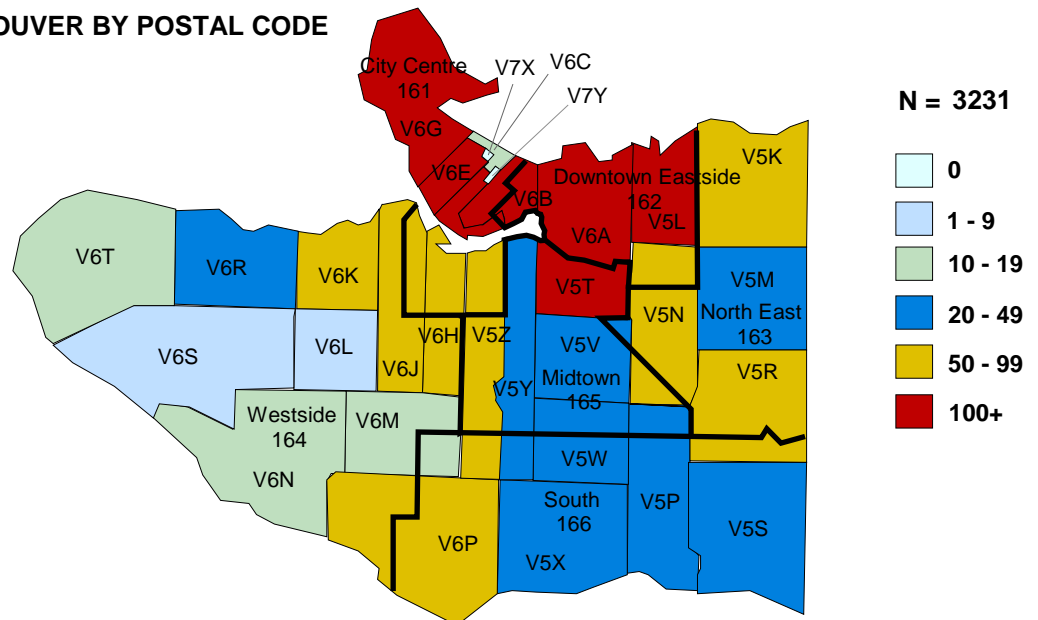
3.4 Distribution of HIV/AIDS Drug Treatment Program Active Participants

October 2020

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



VANCOUVER BY POSTAL CODE

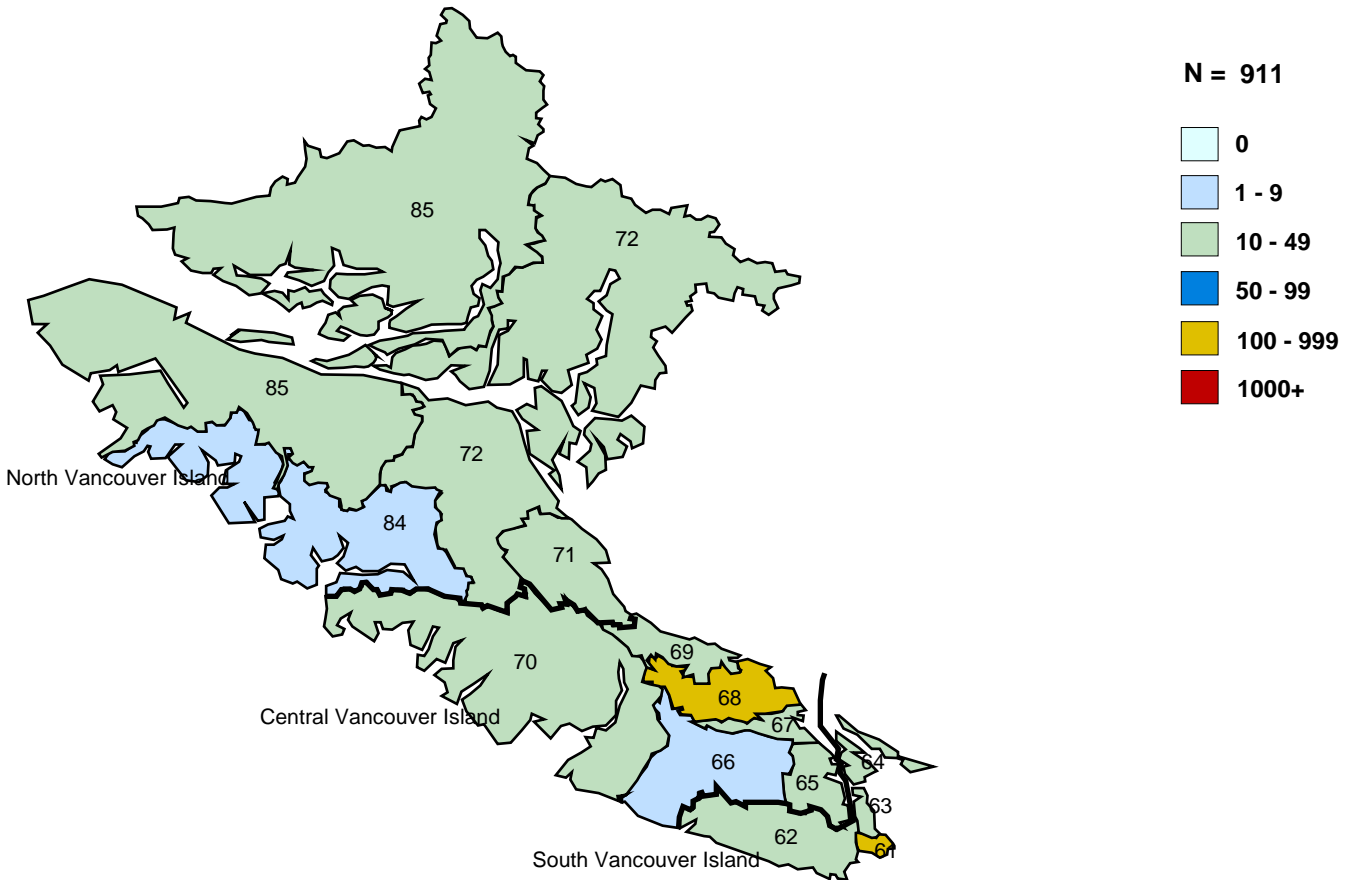




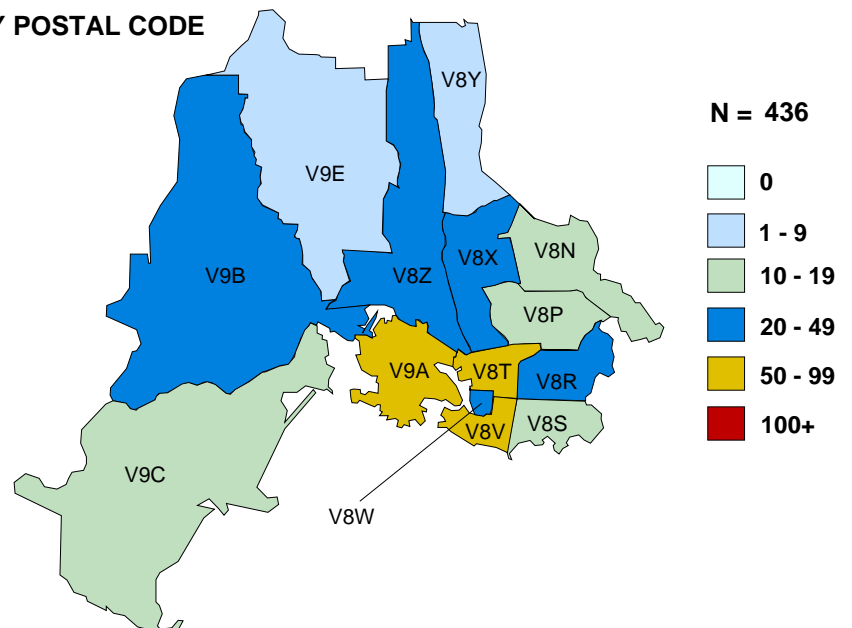
3.5 Distribution of HIV/AIDS Drug Treatment Program Active Participants

October 2020

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



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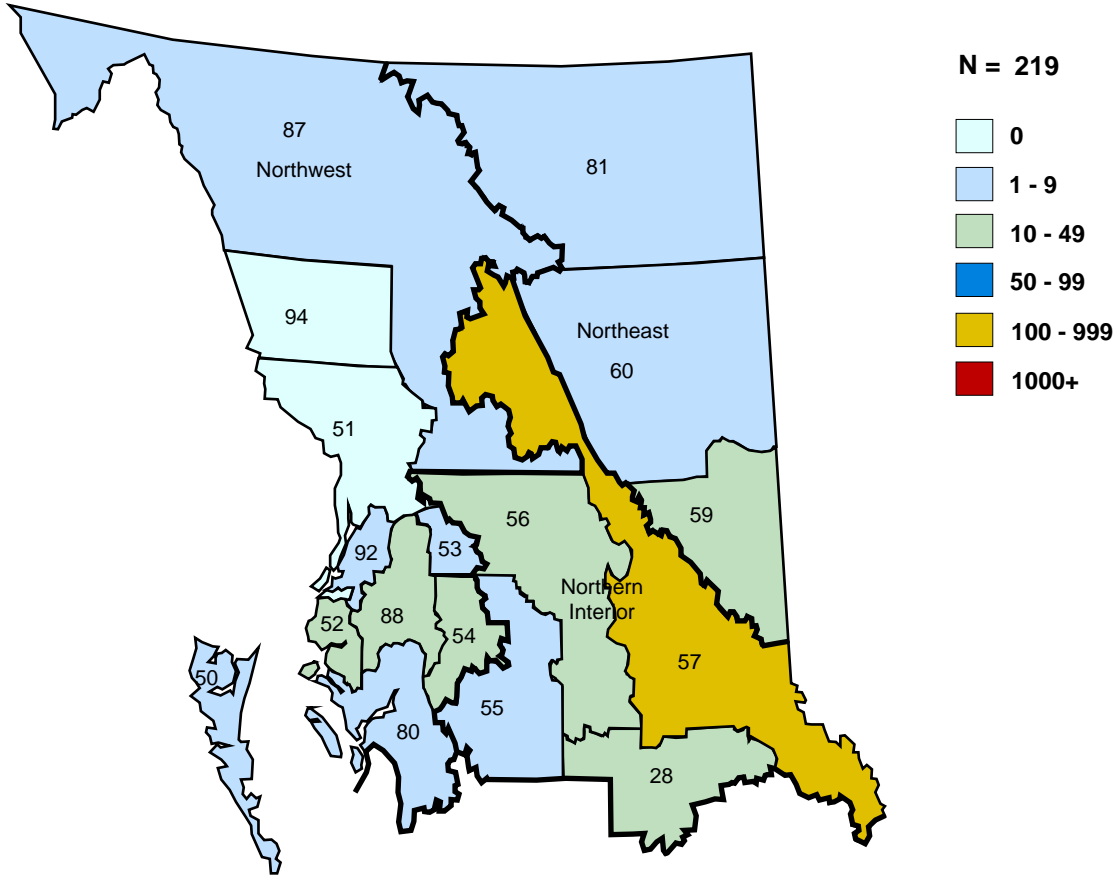




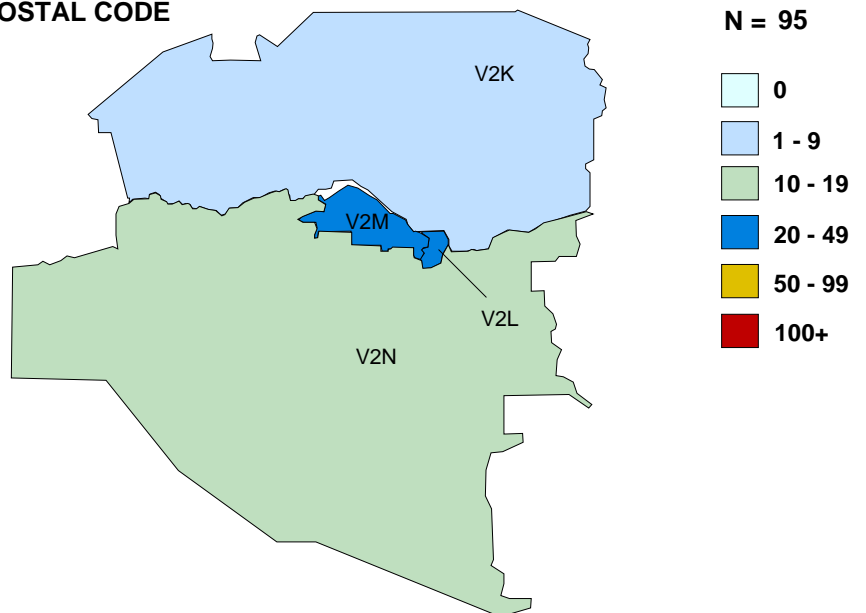
3.6 Distribution of HIV/AIDS Drug Treatment Program Active Participants

October 2020

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	9	10	*
	50+	27	39	*
	Total HSDA:	42	55	28
KOOTENAY BOUNDARY	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	73	98	56	
OKANAGAN	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	379	513	283	
THOMPSON/CARIBOO/ SHUSWAP	20-34	18	18	8
	35-49	70	76	53
	50+	109	179	87
	Total HSDA:	197	273	148
Total HA:		691	939	515

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		691	939	515

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	550	748	413
Female	141	191	102

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	515	55	630	35

* Patient 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	20	12
	5 years or more	12	7
	<5 years	10	9
	Total HSDA:	42	28
KOOTENAY BOUNDARY	10 years or more	47	34
	5 years or more	16	12
	<5 years	10	10
	Total HSDA:	73	56
OKANAGAN	10 years or more	232	163
	5 years or more	82	66
	<5 years	65	54
	Total HSDA:	379	283
THOMPSON/CARIBOO/ SHUSWAP	10 years or more	108	82
	5 years or more	45	35
	<5 years	44	31
	Total HSDA:	197	148
Total HA:		691	515

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	407	291
5 years or more	155	120
<5 years	129	104
Total HA:	691	515

* Patient 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	46	64	15	26
KOOTENAY BOUNDARY	73	123	25	43
OKANAGAN	229	952	62	291
THOMPSON/CARIBOO/SHUSWAP	139	524	37	130
Total:	487	1663	139	490

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

* Patient 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	6
	20-34	32	34	27
	35-49	102	111	75
	50+	243	323	186
	Total HSDA:	383	474	294
FRASER NORTH	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:	1044	1414	776
FRASER SOUTH	0-19	5	5	*
	20-34	112	114	*
	35-49	324	366	*
	50+	563	837	*
	Total HSDA:	1004	1322	796
Total HA:		2431	3210	1866

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	15	15	11
	20-34	260	264	177
	35-49	756	834	579
	50+	1400	2097	1099
Total HA:		2431	3210	1866

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	1840	2456	1431
Female	591	754	435

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	1866	52	632	35

* Patient 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	230	179
	5 years or more	79	58
	<5 years	74	57
	Total HSDA:	383	294
FRASER NORTH	10 years or more	611	435
	5 years or more	244	191
	<5 years	189	150
	Total HSDA:	1044	776
FRASER SOUTH	10 years or more	590	461
	5 years or more	218	163
	<5 years	196	172
	Total HSDA:	1004	796
Total HA:		2431	1866

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	1431	1075
	5 years or more	541	412
	<5 years	459	379
Total HA:		2431	1866

* Patient 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	144	521	30	58
FRASER NORTH	254	1586	49	223
FRASER SOUTH	220	1606	48	493
Total:	618	3713	127	774

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
FRASER EAST	191
FRASER NORTH	641
FRASER SOUTH	427
Total:	1259

* Patient 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	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		347	499
RICHMOND	0-19	*	*	0
	20-34	*	*	26
	35-49	*	*	34
	50+	*	*	86
	Total HSDA:		193	243
VANCOUVER	0-19	16	16	8
	20-34	443	458	283
	35-49	1348	1509	943
	50+	2884	4977	2087
	Total HSDA:	4691	6960	3321
Total HA:		5231	7702	3743

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	18	18	9
	20-34	501	517	327
	35-49	1476	1648	1031
	50+	3236	5519	2376
Total HA:		5231	7702	3743

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Unknown	2	2	0
Male	4618	6759	3305
Female	611	941	438

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	3743	54	650	35

* Patient 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	199	155
	5 years or more	86	67
	<5 years	62	54
	Total HSDA:	347	276
RICHMOND	10 years or more	109	77
	5 years or more	38	29
	<5 years	46	40
	Total HSDA:	193	146
VANCOUVER	10 years or more	2917	1990
	5 years or more	1069	768
	<5 years	705	563
	Total HSDA:	4691	3321
Total HA:		5231	3743

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	3225	2222
	5 years or more	1193	864
	<5 years	813	657
Total HA:		5231	3743

* Patient 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	178	404	56	84
RICHMOND	43	292	10	91
VANCOUVER	630	11004	206	5208
Total:	851	11700	272	5383

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH SHORE/COAST GARIBALDI	6
RICHMOND	6
VANCOUVER	77
Total:	89

* Patient 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:		329	469
NORTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		123	166
SOUTH VANCOUVER ISLAND	20-34	75	79	50
	35-49	191	221	133
	50+	485	771	370
	Total HSDA:	751	1071	553
Total HA:		1203	1706	911

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		1203	1706	911

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	996	1408	762
Female	207	298	149

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	911	55	570	35

* Patient 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	194	155
	5 years or more	69	55
	<5 years	66	51
	Total HSDA:	329	261
NORTH VANCOUVER ISLAND	10 years or more	73	57
	5 years or more	35	26
	<5 years	15	14
	Total HSDA:	123	97
SOUTH VANCOUVER ISLAND	10 years or more	443	306
	5 years or more	157	125
	<5 years	151	122
	Total HSDA:	751	553
Total HA:		1203	911

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	710	518
5 years or more	261	206
<5 years	232	187
Total HA:	1203	911

* Patient 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	197	883	79	197
NORTH VANCOUVER ISLAND	149	268	44	71
SOUTH VANCOUVER ISLAND	215	1827	42	550
Total:	561	2978	165	818

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
CENTRAL VANCOUVER ISLAND	45
NORTH VANCOUVER ISLAND	41
SOUTH VANCOUVER ISLAND	111
Total:	197

* Patient 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	20-34	5	5	*
	35-49	17	20	*
	50+	21	27	*
	Total HSDA:	43	52	24
NORTH WEST	20-34	8	9	*
	35-49	20	35	*
	50+	37	64	*
	Total HSDA:	65	108	52
NORTHERN INTERIOR	0-19	5	5	*
	20-34	23	24	*
	35-49	66	84	*
	50+	97	164	*
	Total HSDA:	191	277	143
Total HA:		299	437	219

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	5	5	*
	20-34	36	38	*
	35-49	103	139	*
	50+	155	255	*
Total HA:		299	437	219

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	183	270	134
Female	116	167	85

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	219	51	560	35

* Patient 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	21	10
	5 years or more	15	9
	<5 years	7	5
	Total HSDA:	43	24
NORTH WEST	10 years or more	34	26
	5 years or more	20	16
	<5 years	11	10
	Total HSDA:	65	52
NORTHERN INTERIOR	10 years or more	84	65
	5 years or more	63	47
	<5 years	44	31
	Total HSDA:	191	143
Total HA:		299	219

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	139	101
	5 years or more	98	72
	<5 years	62	46
Total HA:		299	219

* Patient 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	40	62	3	*
NORTH WEST	83	166	18	*
NORTHERN INTERIOR	117	460	20	*
Total:	240	688	41	223

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH EAST	10
NORTH WEST	18
NORTHERN INTERIOR	11
Total:	39

* Patient 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	6	10	5
	KOOTENAY BOUNDARY	6	9	6
	OKANAGAN	26	42	17
	THOMPSON/CARIBOO/SHUSWAP	24	47	19
	Total HA:	62	108	47
FRASER	FRASER EAST	37	47	27
	FRASER NORTH	51	88	39
	FRASER SOUTH	80	113	56
	Total HA:	168	248	122
VANCOUVER COASTAL	NORTH SHORE/COAST GARIBALDI	24	47	21
	RICHMOND	10	15	7
	VANCOUVER	483	877	378
	Total HA:	517	939	406
VANCOUVER ISLAND	CENTRAL VANCOUVER ISLAND	51	82	41
	NORTH VANCOUVER ISLAND	19	28	16
	SOUTH VANCOUVER ISLAND	40	84	31
	Total HA:	110	194	88
NORTHERN	NORTH EAST	12	15	8
	NORTH WEST	25	57	22
	NORTHERN INTERIOR	74	114	62
	Total HA:	111	186	92
Total:		968	1675	755

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	612	1074	476
Female	356	601	279

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total:	755	52	500	35

* Patient 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.





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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.





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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.





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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.

