



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS

B.C. HIV/AIDS Drug Treatment Program

Monthly Report

August 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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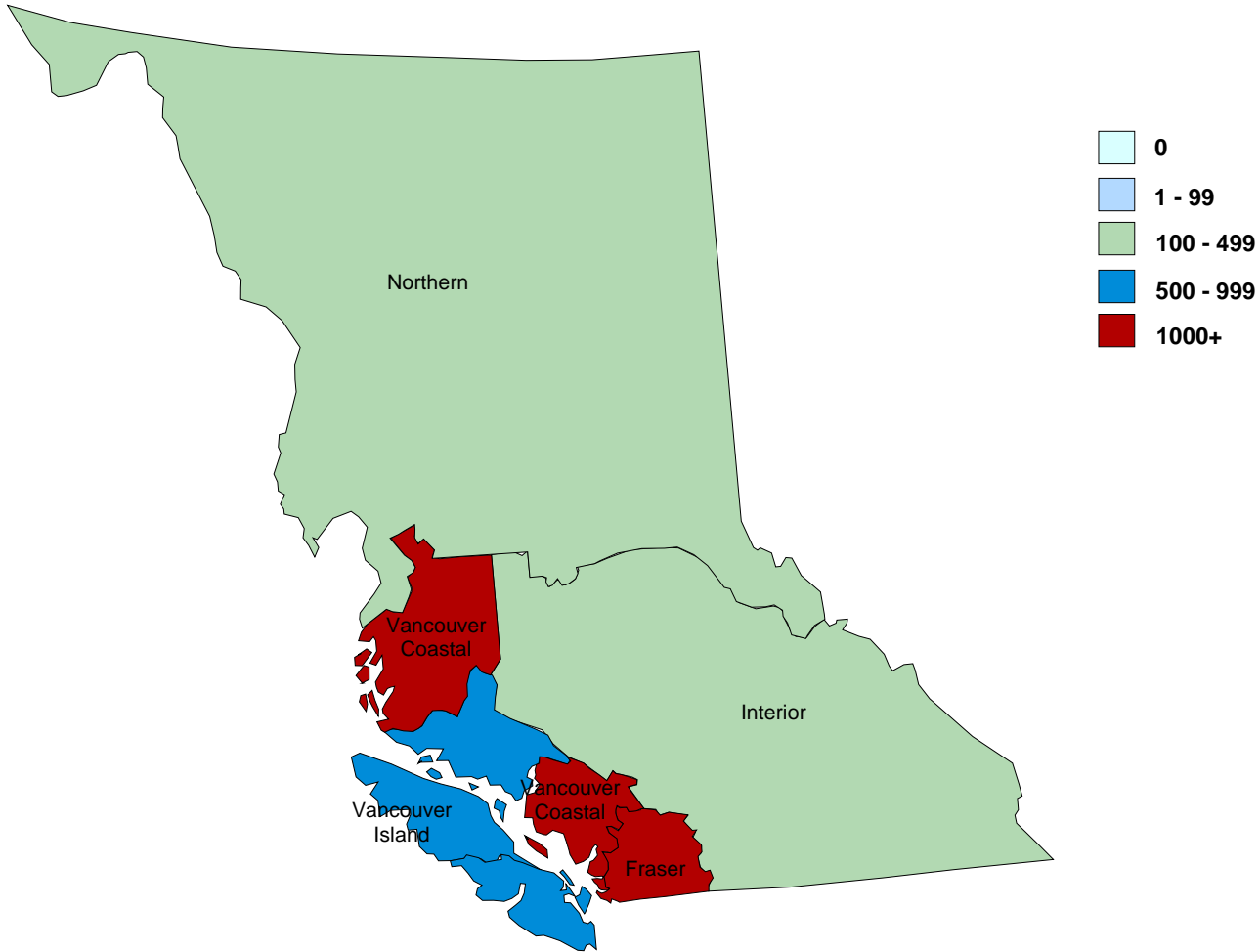




1.1 Distribution of men and women on antiretroviral therapy in British Columbia by Health Authority

August 2020

N = 7265



Health Authority	Male	Female	All
FRASER	1422	418	1840
INTERIOR	402	97	499
NORTHERN	131	90	221
VANCOUVER COASTAL	3309	444	3753
VANCOUVER ISLAND	775	150	925
	6039	1199	7238
		Unknown/not stated:	27
		Total:	7265

Definitions:

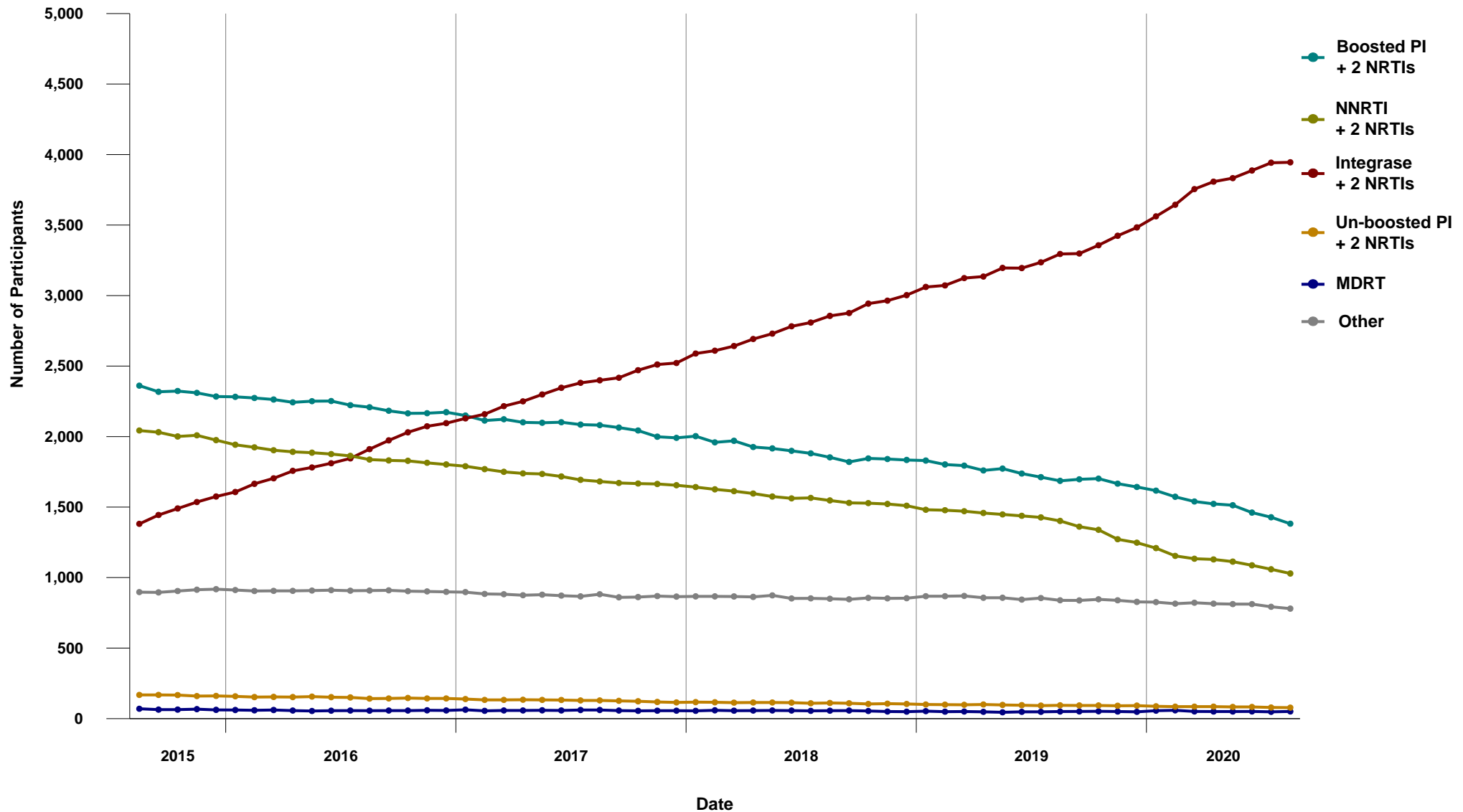
On antiretroviral therapy defined as being on treatment in the current month

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



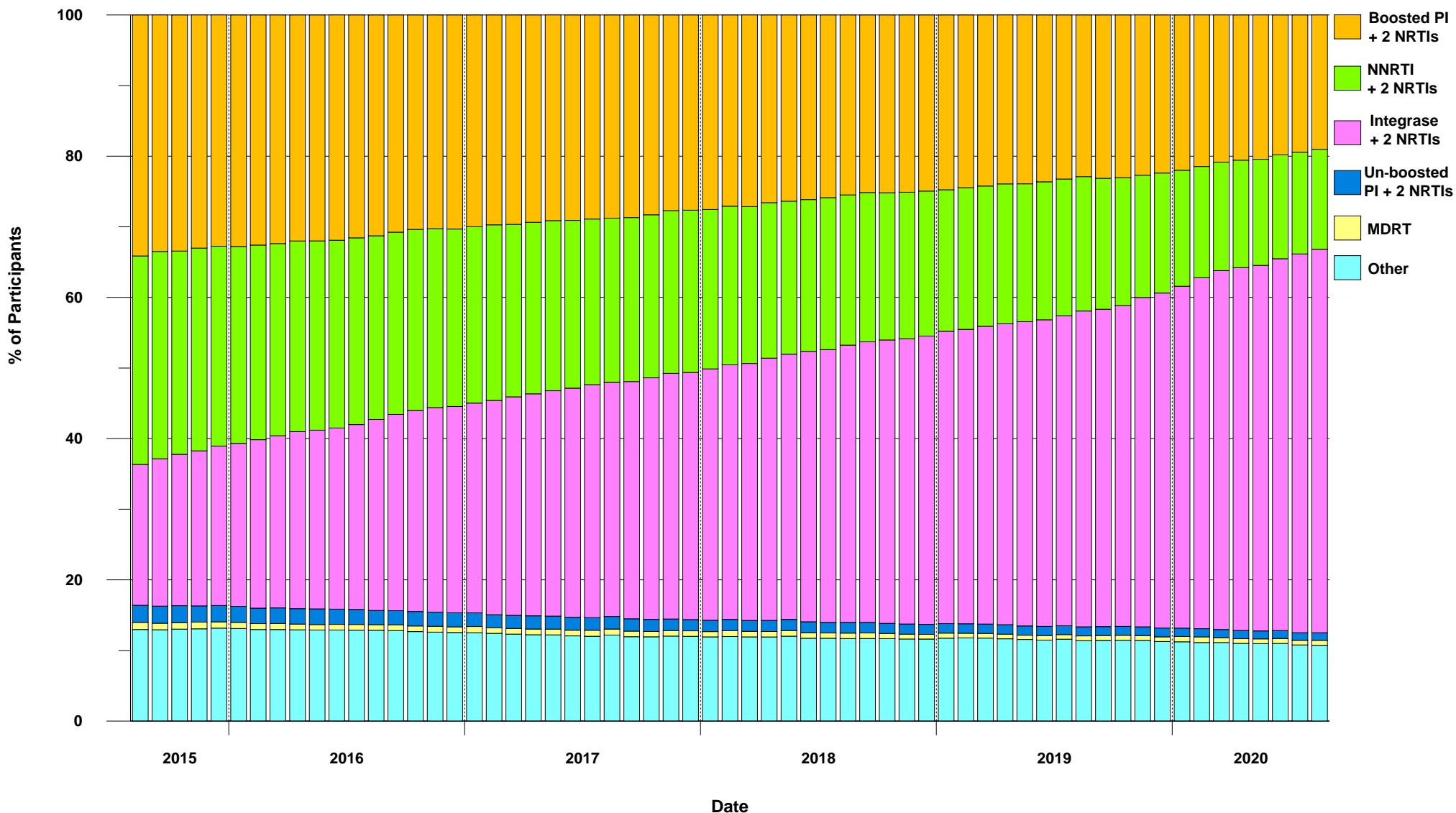


1.2 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (August 2015 - August 2020)



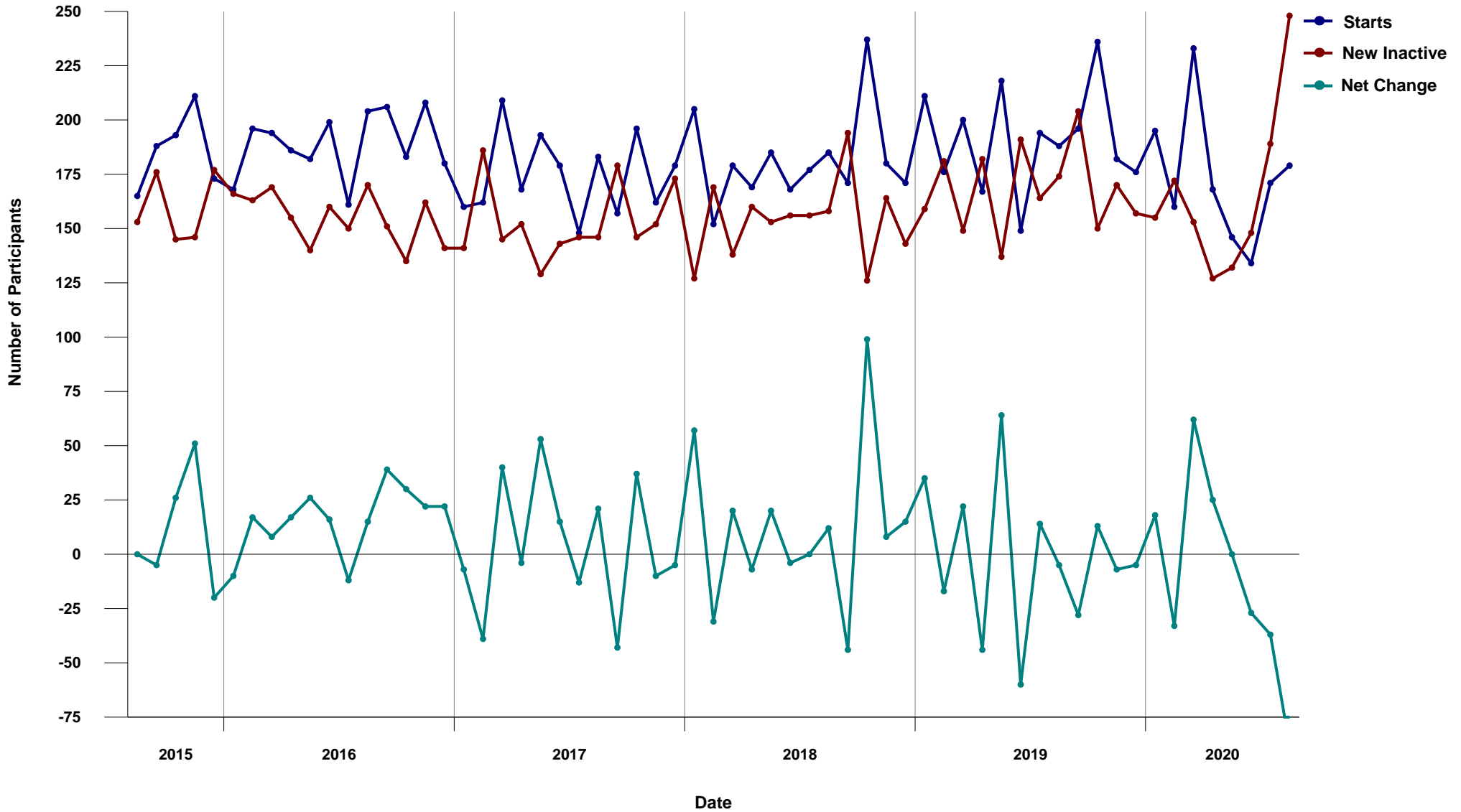


1.3 Percent Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (August 2015 - August 2020)



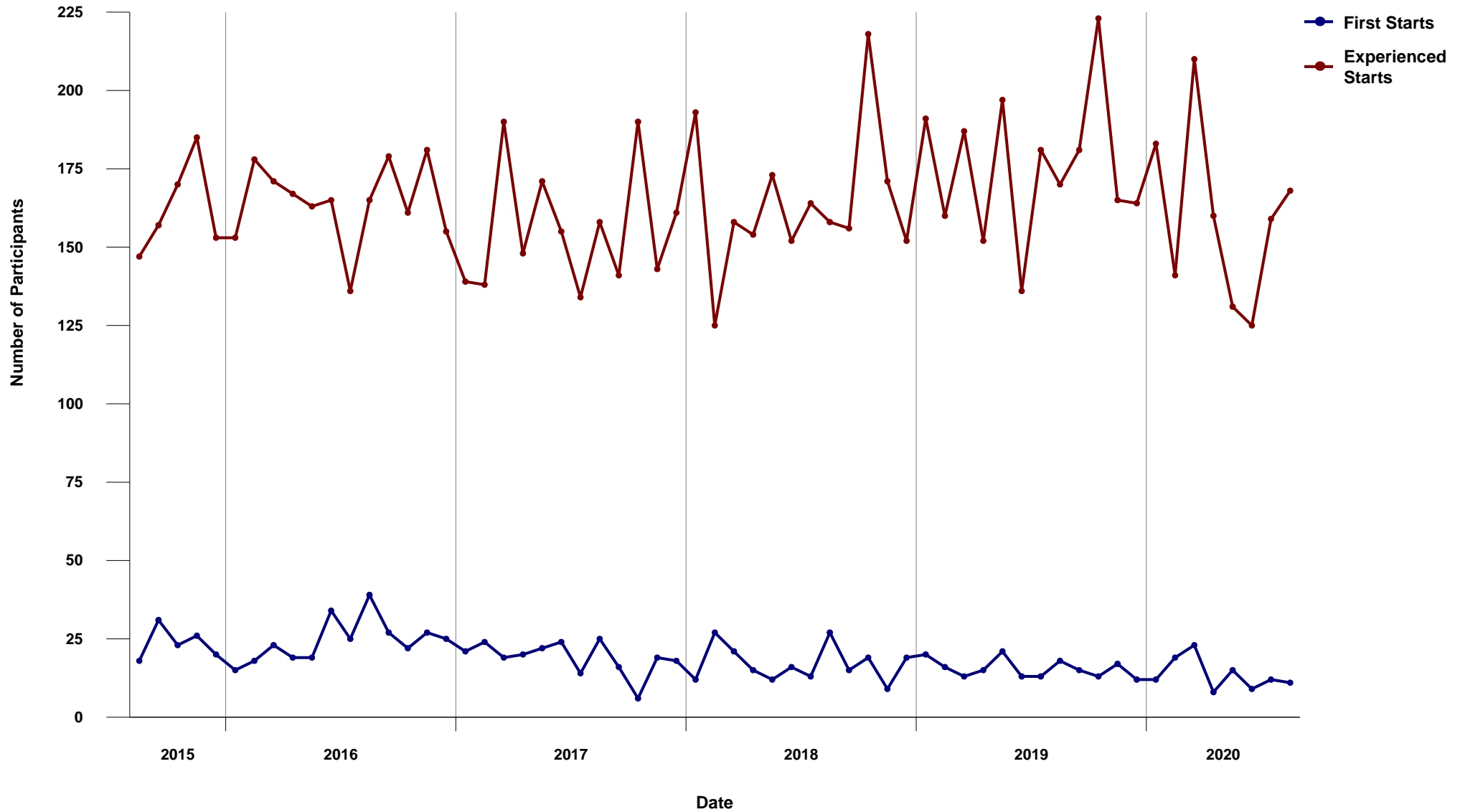


1.4 BC-CfE Enrollment: Net Number of New Antiretroviral Participants (August 2015 - August 2020)



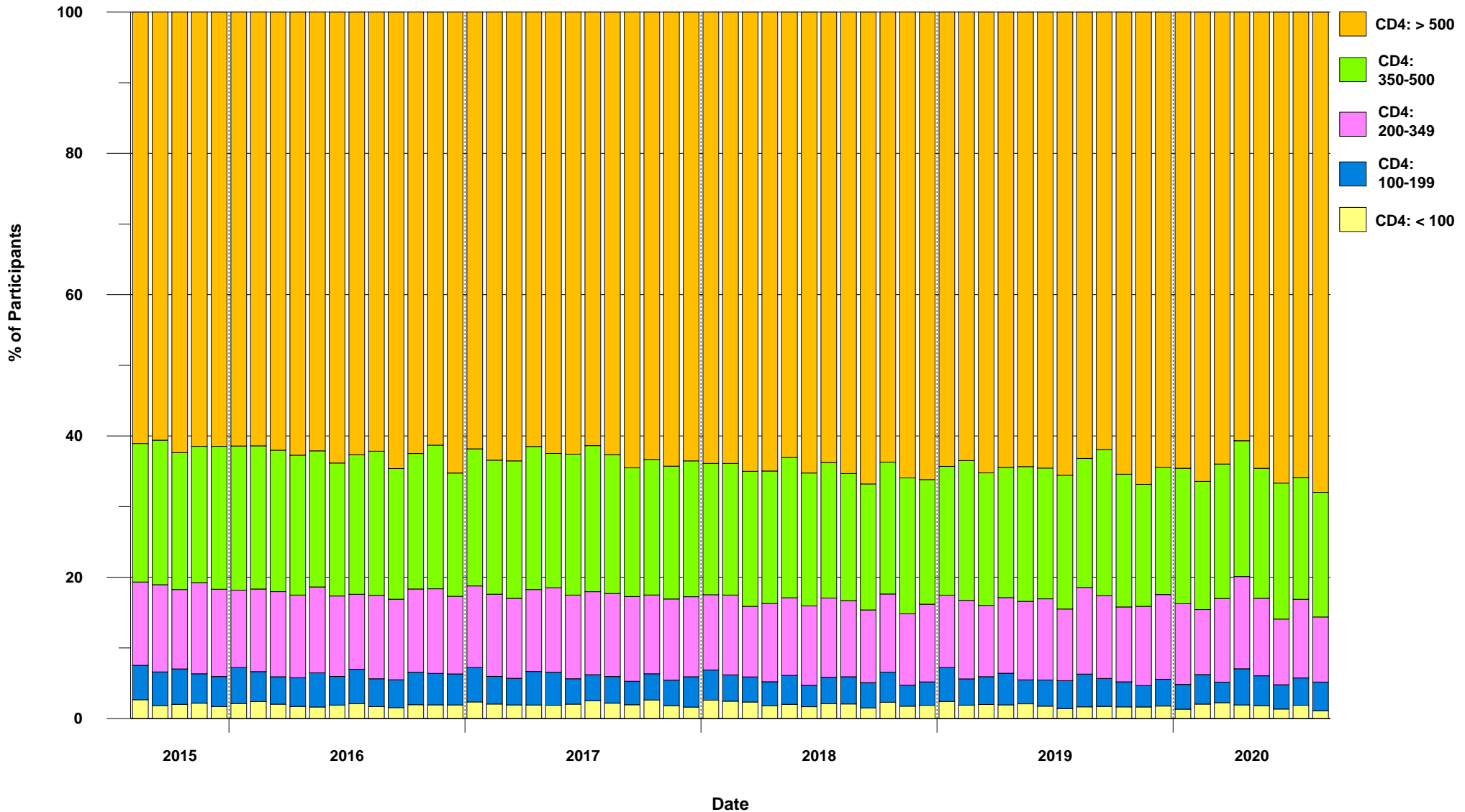


1.5 BC-CfE Enrollment: New Antiretroviral Participants (August 2015 - August 2020)



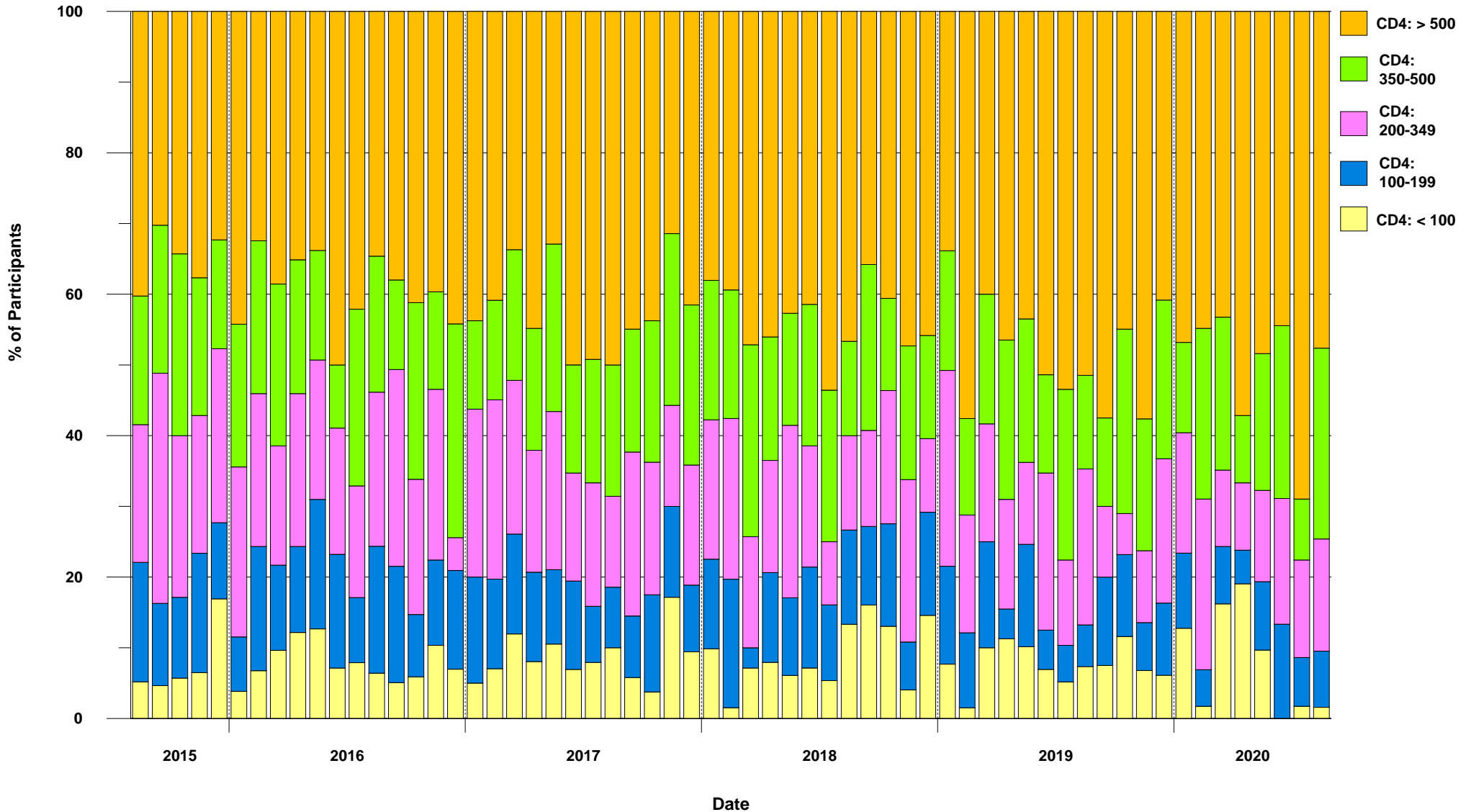


1.6 Percent Distribution of Active Participants by CD4 Count
(August 2015 - August 2020)



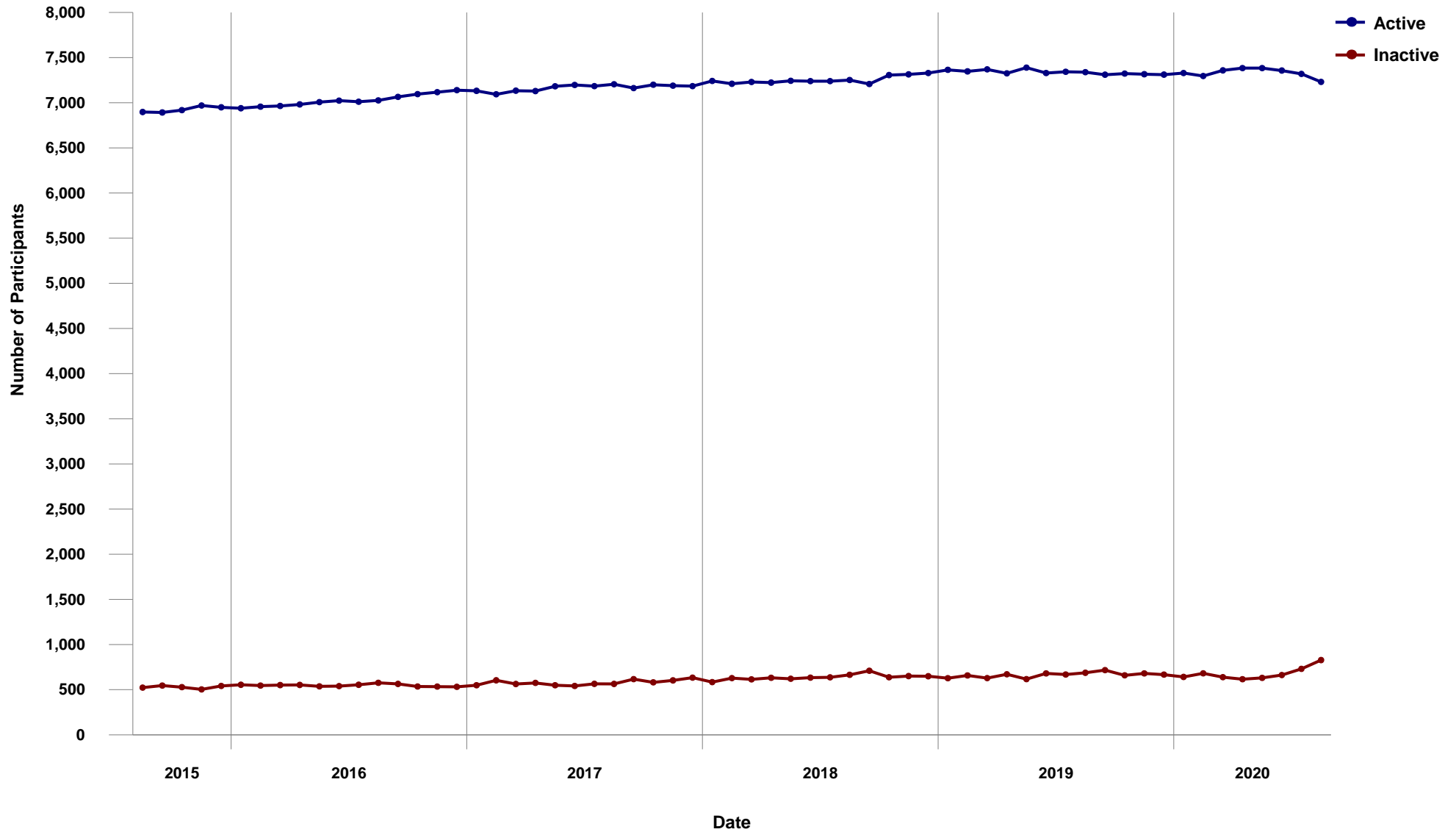


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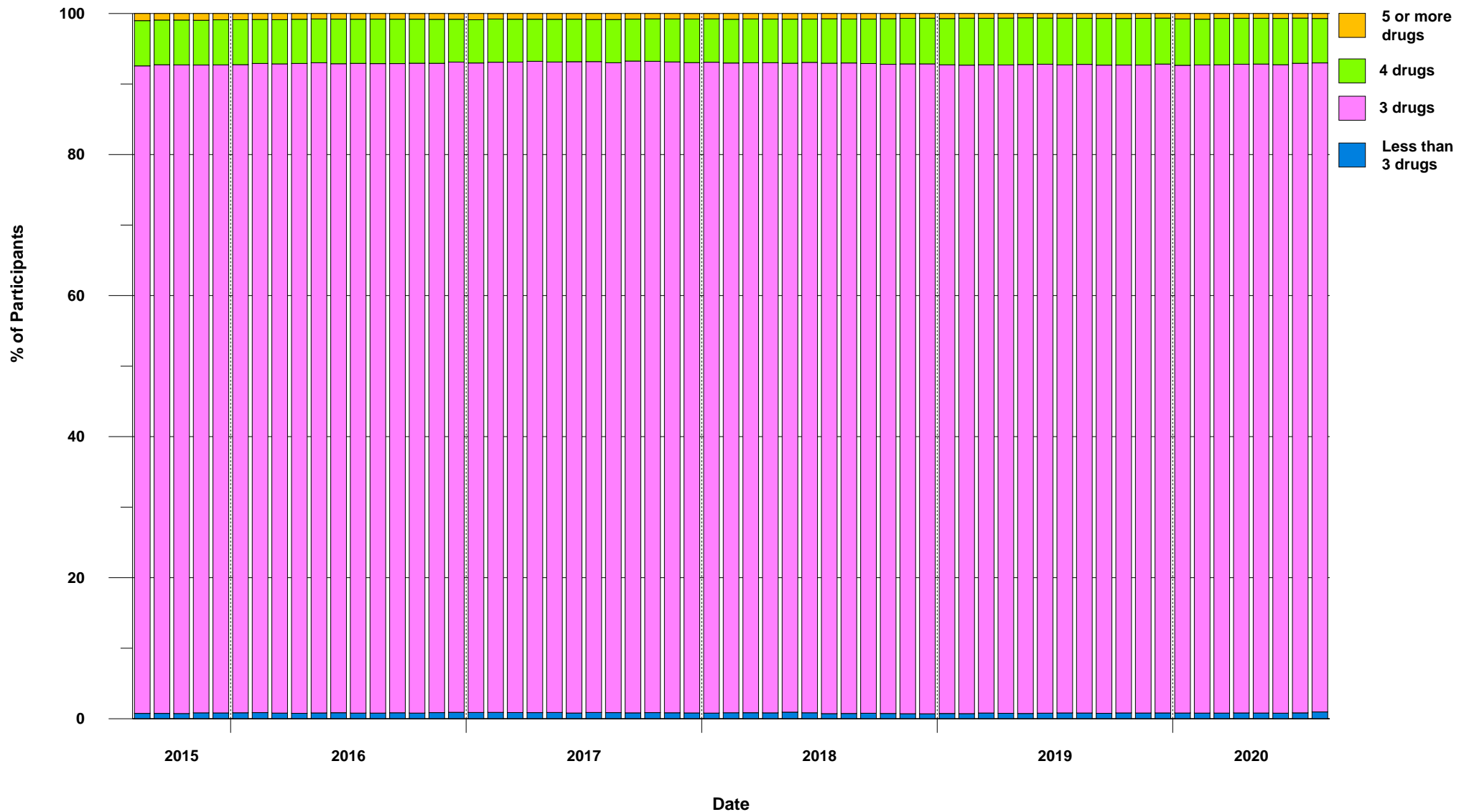


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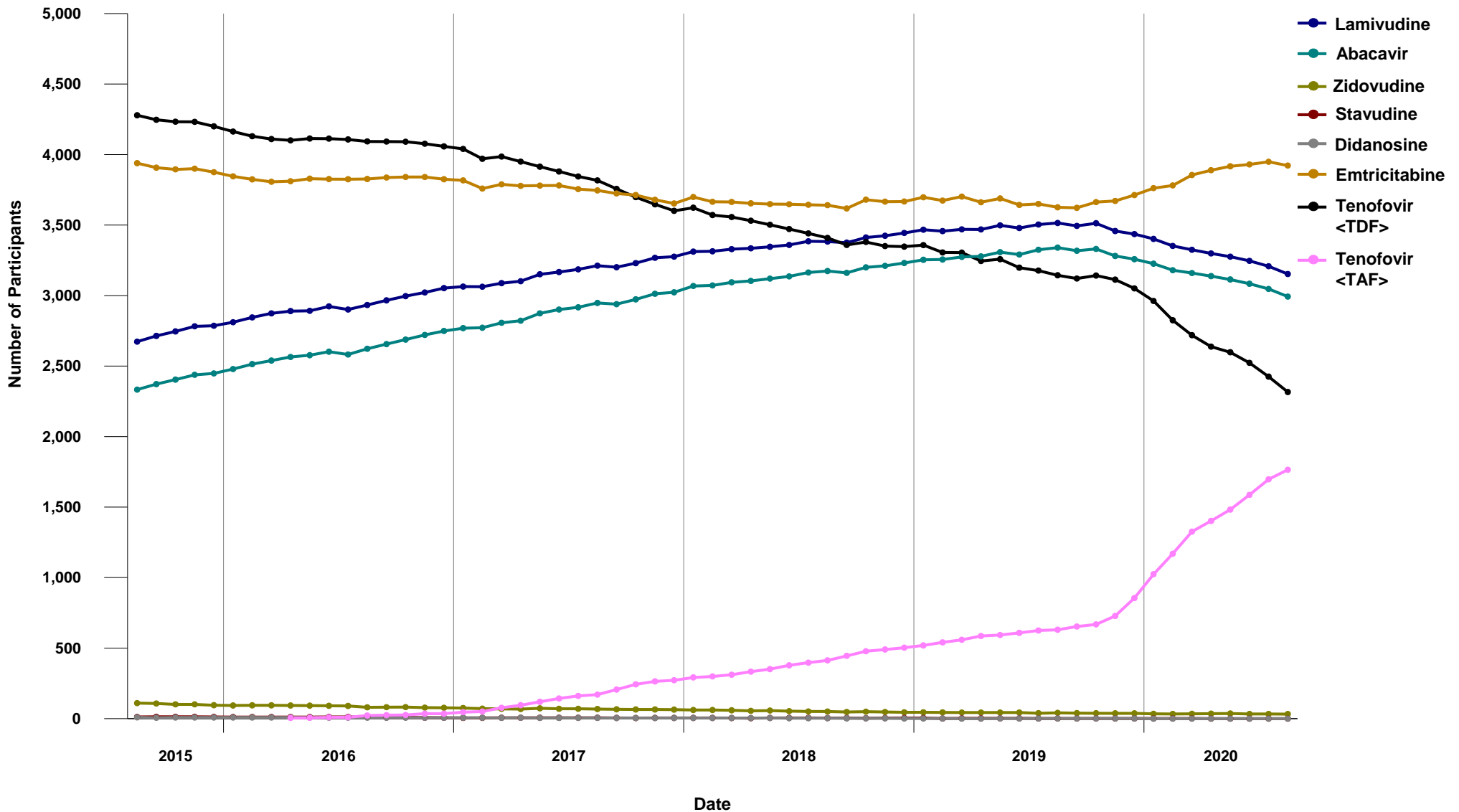


1.9 Percent Distribution of Participants on ARV Therapy by Number of Drugs (August 2015 - August 2020)





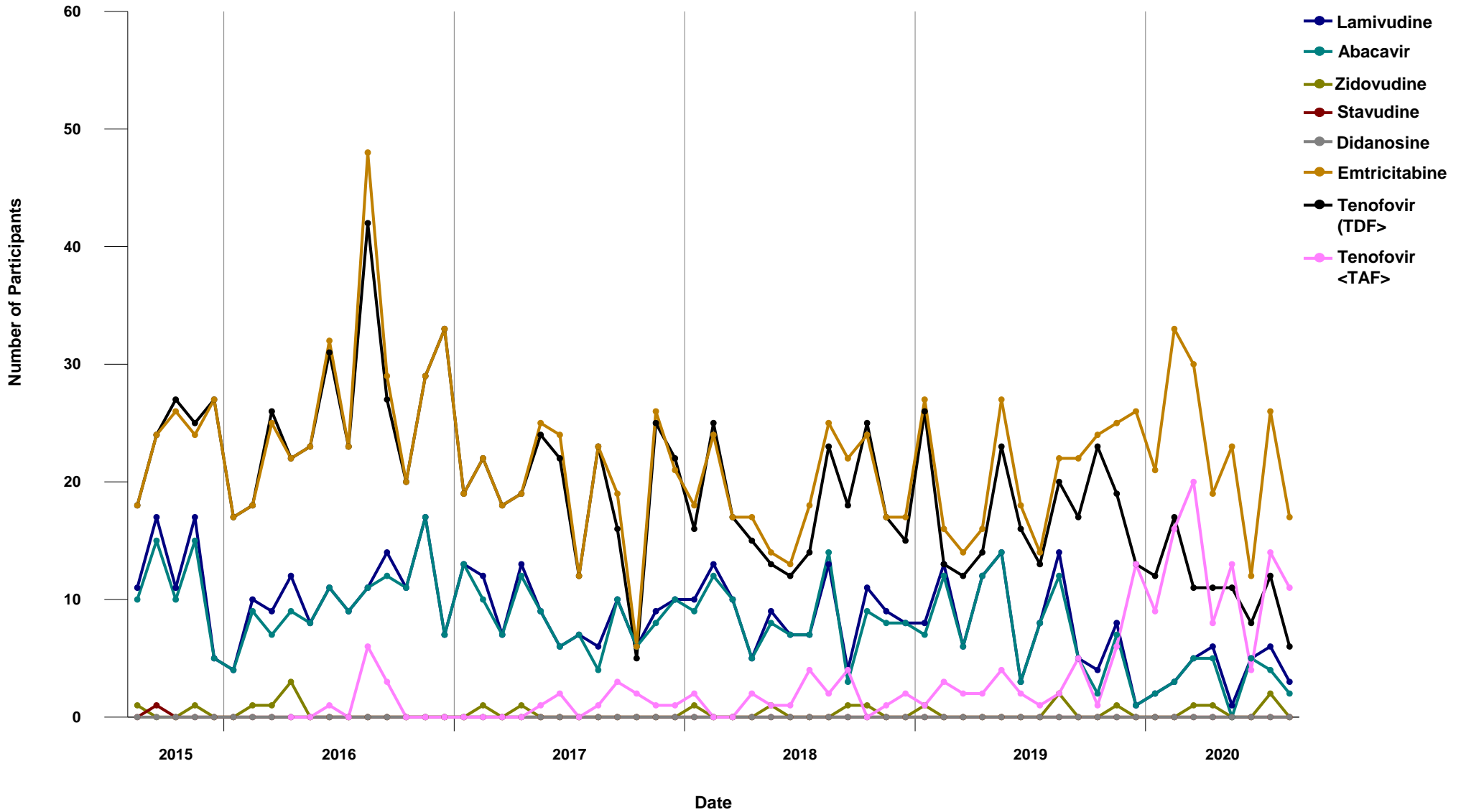
1.10 Distribution of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT (August 2015 - August 2020)





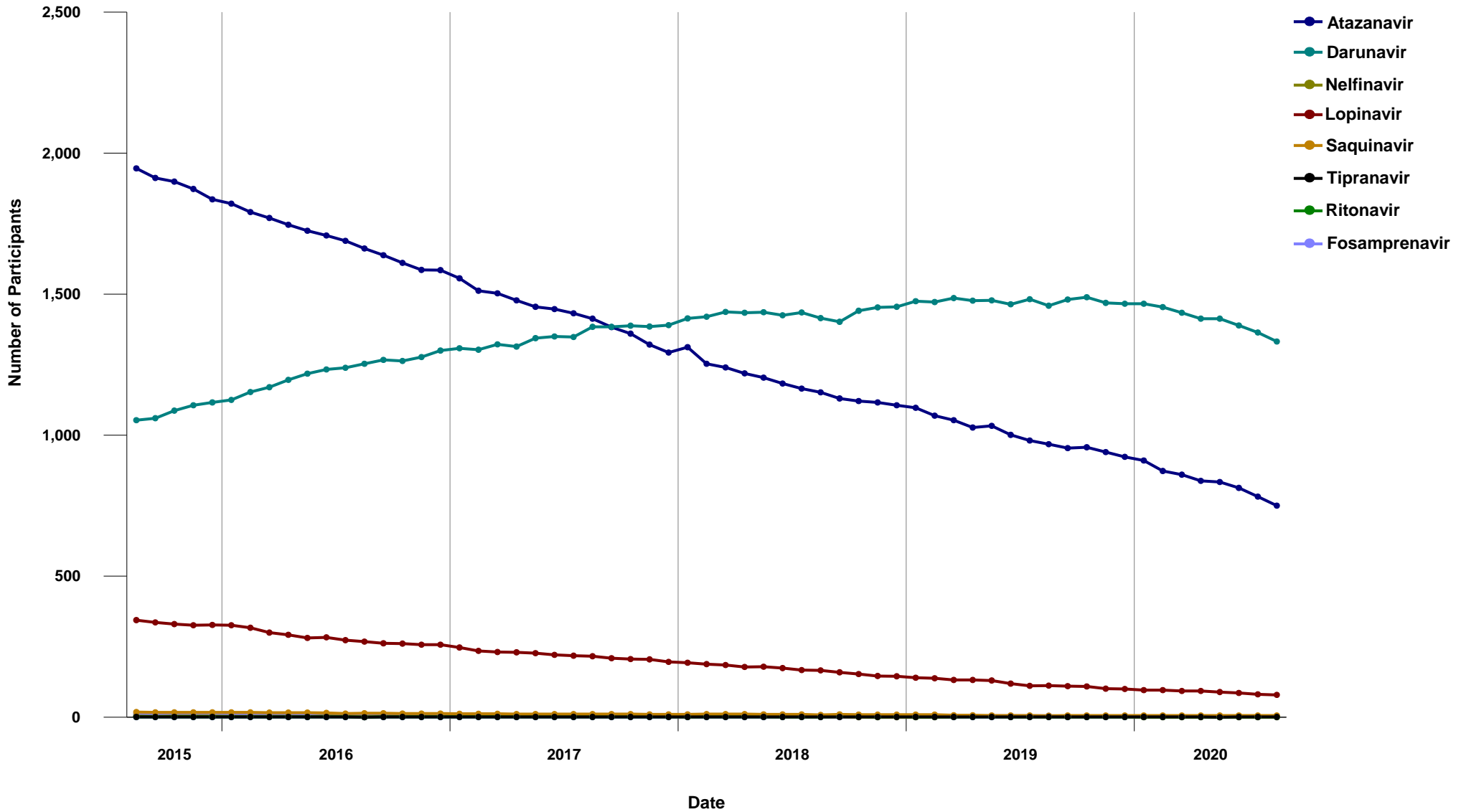
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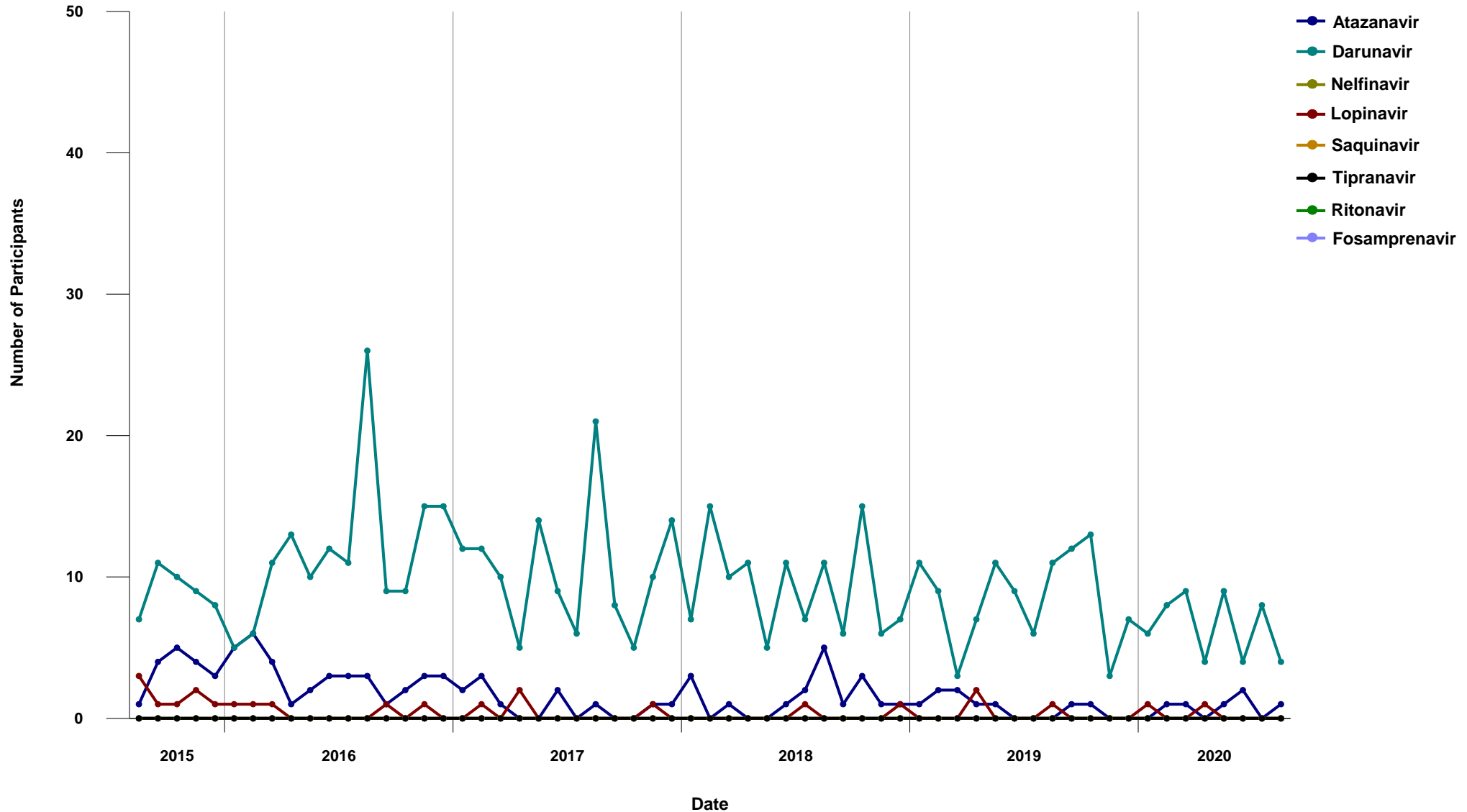
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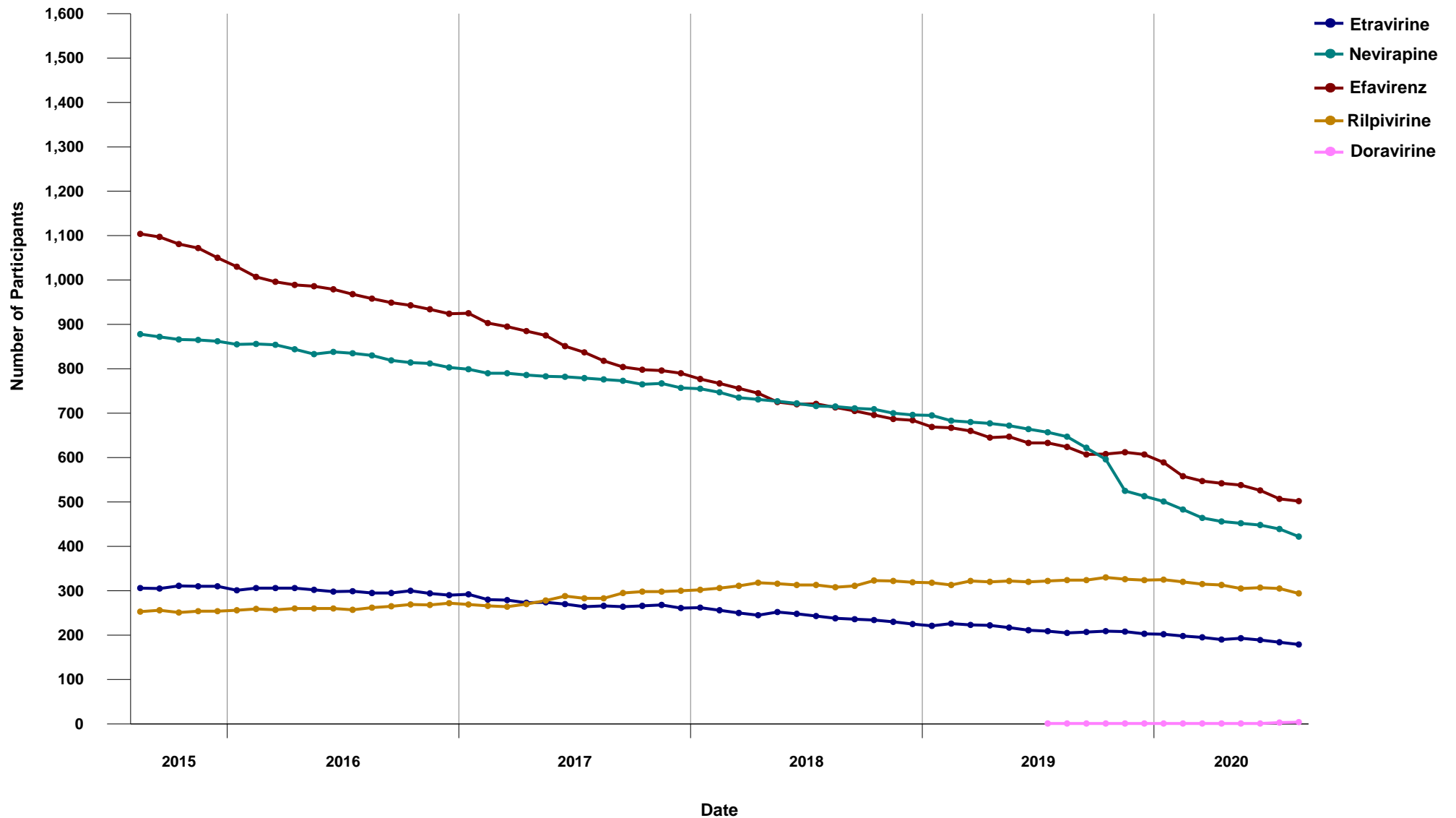
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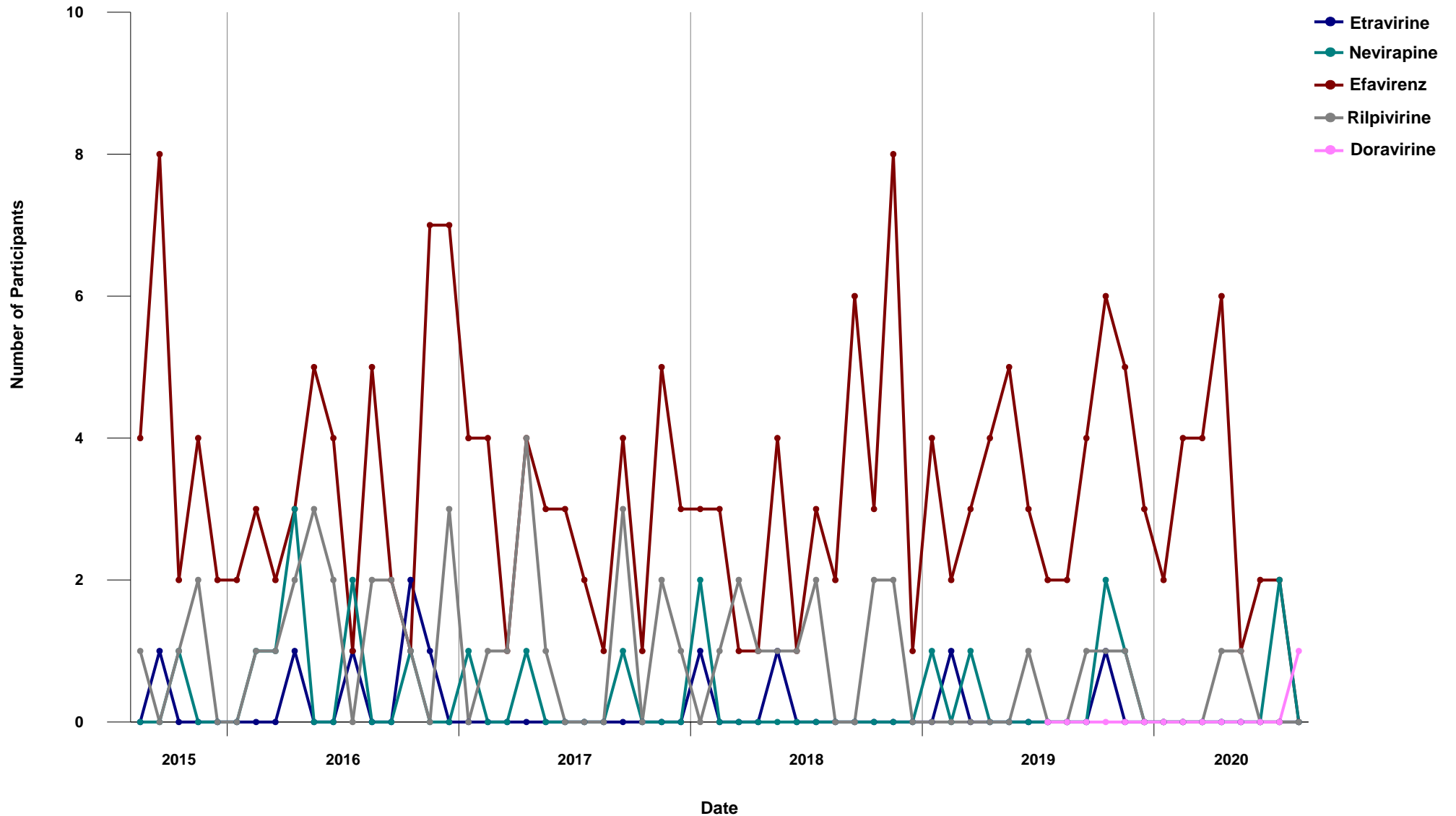
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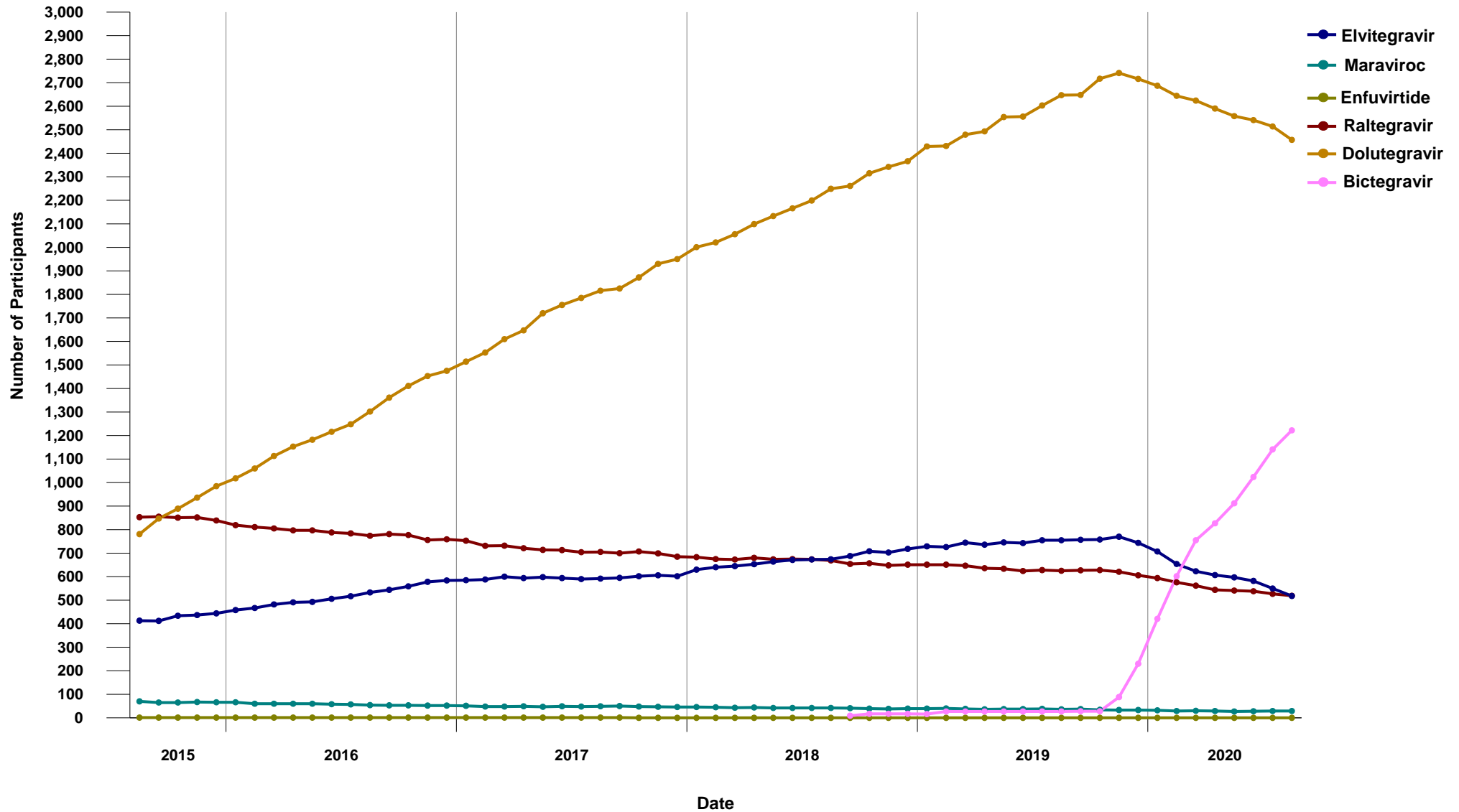
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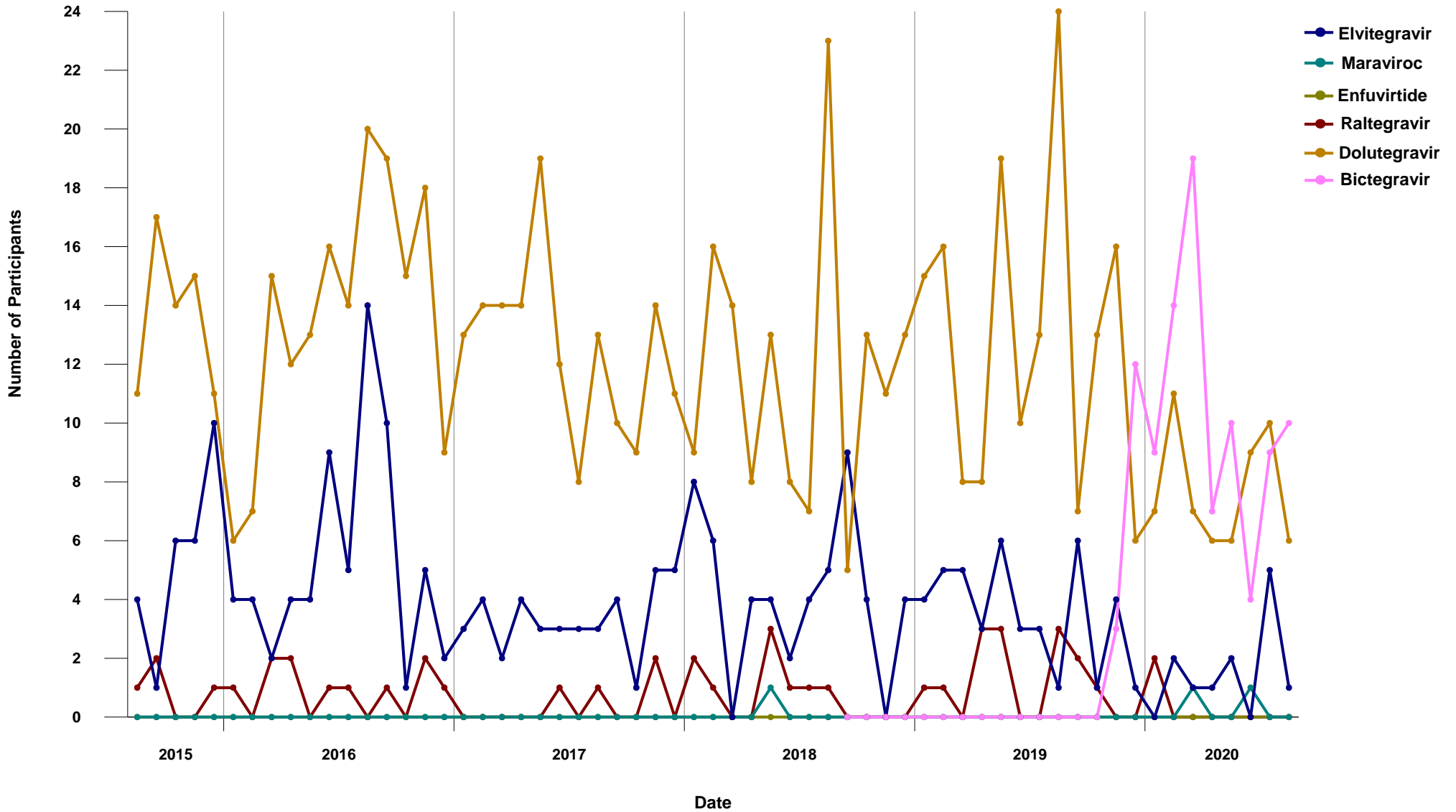
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1.17 Distribution of Participants on Entry/Integrase Inhibitors at the time of first start of ARV Therapy by INGREDIENT

(August 2015 - August 2020)



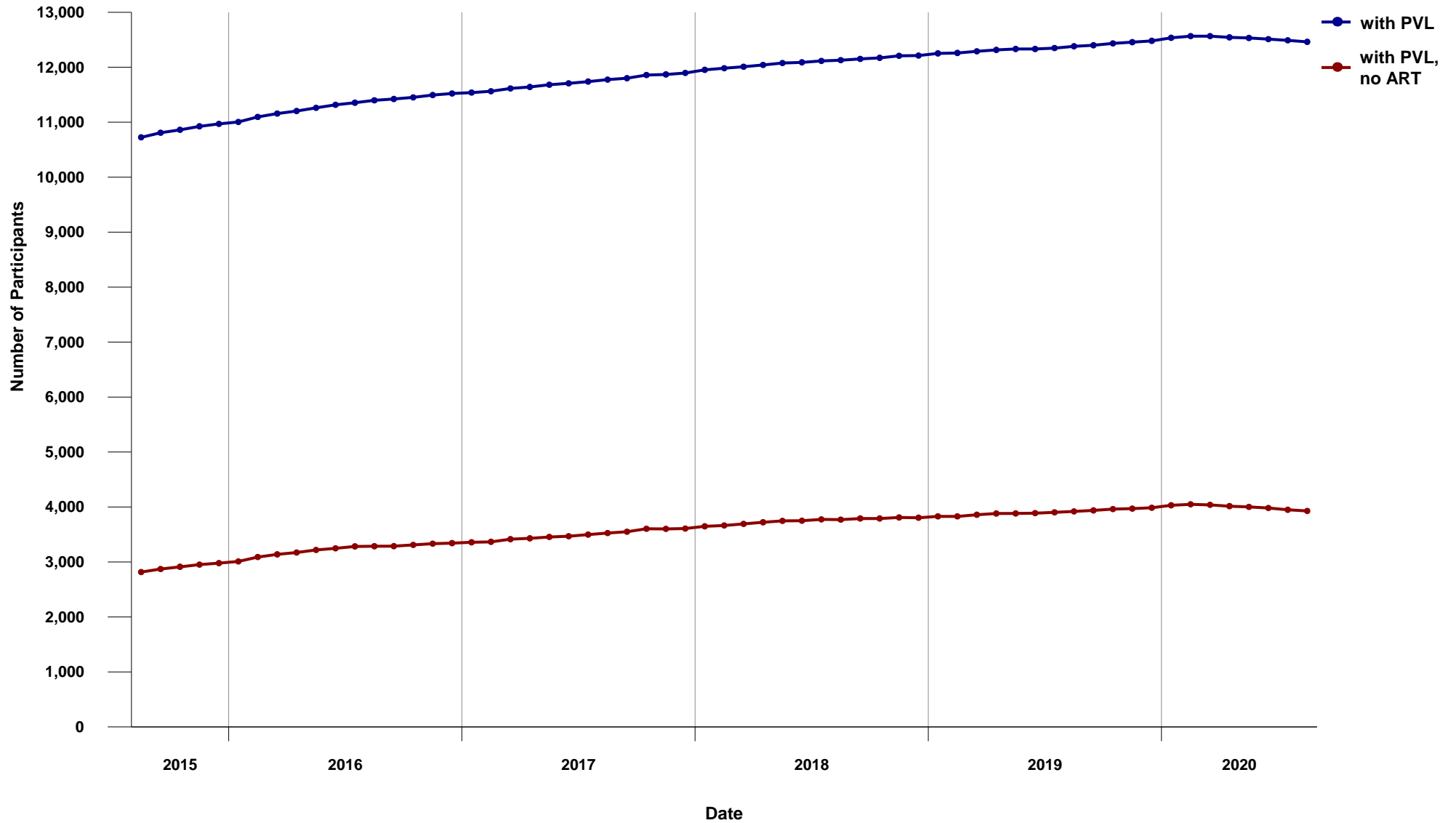


1.18 Baseline CD4 for Antiretroviral First Starts
(August 2015 - August 2020)



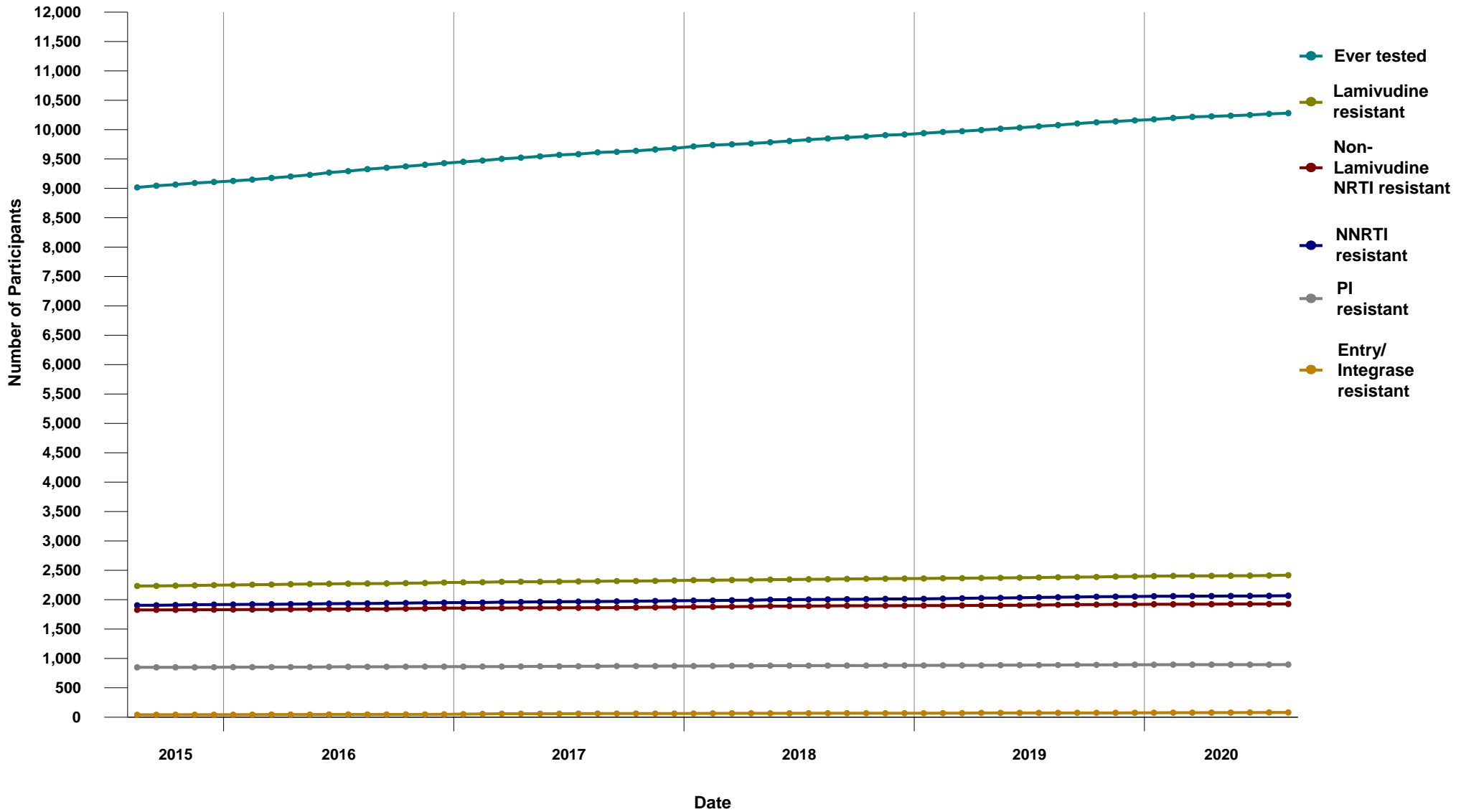


**1.19 DTP Participants with PVL Measurement within previous five years, and never on ART
(August 2015 - August 2020)**



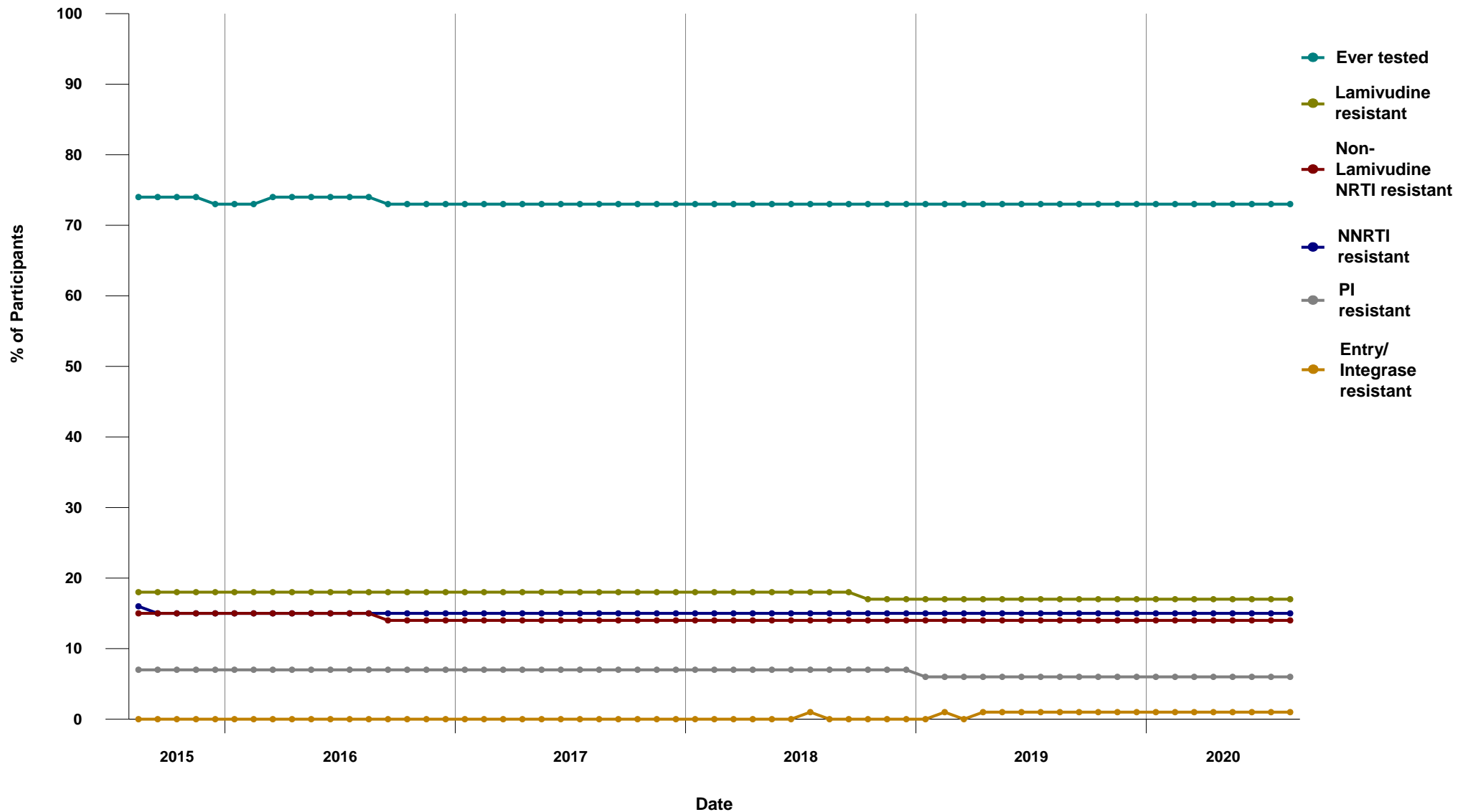


1.20 Cumulative Resistance Testing Results by Resistance Category (August 2015 - August 2020)





1.21 Percent of Participants ever on ARV - Resistance Testing Results by Resistance Category (August 2015 - August 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	2	595	5	<40	3
1988	29	5	0	5	3	400	5	<40	3
1989	27	53	1	54	30	450	46	<40	3
1990	26	53	1	54	32	460	50	<40	3
1991	26	37	3	40	19	680	35	<40	3
1992	26	57	5	62	24	625	47	<40	3
1993	25	126	15	141	93	580	119	<40	3
1994	23	76	13	89	59	550	81	<40	3
1995	24	125	20	145	101	570	128	<40	3
1996	22	329	45	374	226	595	316	<40	3
1997	20	261	33	294	184	665	243	<40	3
1998	19	187	40	227	141	590	189	<40	3
1999	19	158	35	193	117	540	163	<40	3
2000	19	122	32	154	100	605	131	<40	3
2001	19	113	28	141	81	540	115	<40	3
2002	17	121	23	144	96	595	127	<40	3
2003	17	143	26	169	96	595	142	<40	3
2004	16	151	35	186	114	600	150	<40	3
2005	15	181	42	223	144	630	182	<40	3
2006	14	174	36	210	124	610	168	<40	3
2007	13	240	42	282	173	620	233	<40	3
2008	12	264	65	329	211	670	269	<40	3
2009	11	305	59	364	222	660	295	<40	3
2010	10	270	68	338	213	680	271	<40	3
2011	9	311	71	382	237	680	313	<40	3
2012	8	264	63	327	207	720	266	<40	3
2013	7	266	64	330	192	695	260	<40	3
2014	6	280	47	327	199	672	261	<40	3
2015	5	281	49	330	210	695	275	<40	3
2016	4	269	54	323	186	705	252	<40	3
2017	3	217	34	251	171	620	211	<40	3
2018	2	202	54	256	163	670	220	<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)	Current CD4 Median	Current PVL (n)	Current PVL Median	Current ARV Median
2019	1	234	50	284	203	640	241	<40	3
2020	0	154	44	198	165	610	183	<40	3
Total:		6034	1197	7231					

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	1621	600
SEP-2019	7338	805	2011	<40	1568	600
OCT-2019	7389	784	2140	<40	1746	620
NOV-2019	7342	780	2026	<40	1580	630
DEC-2019	7342	777	1700	<40	1293	610
JAN-2020	7357	774	2227	<40	1716	610
FEB-2020	7330	778	1882	<40	1412	625
MAR-2020	7387	769	1628	<40	1199	620
APR-2020	7410	771	767	<40	567	600
MAY-2020	7404	776	1186	<40	875	604
JUN-2020	7381	783	1558	<40	1107	620
JUL-2020	7349	794	1917	<40	1374	610
AUG-2020	7265	797	1847	<40	1258	630

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	617	201	78	87	69	450
JUN-2019	680	158	79	<40	72	530
JUL-2019	668	161	71	<40	58	525
AUG-2019	687	166	81	<40	68	515
SEP-2019	717	152	96	<40	80	575
OCT-2019	659	194	81	102	69	470
NOV-2019	680	180	69	<40	59	560
DEC-2019	667	180	58	<40	49	480
JAN-2020	641	191	71	255	47	460
FEB-2020	681	178	72	<40	58	480
MAR-2020	639	195	54	<40	37	470
APR-2020	616	211	27	107	21	540
MAY-2020	631	202	43	<40	31	490
JUN-2020	662	190	58	<40	45	480
JUL-2020	731	163	74	<40	58	620
AUG-2020	828	142	78	<40	63	480

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	7347	658	7	16	160	181	-17	13593
MAR-2019	7369	628	15	13	187	149	22	13613
APR-2019	7325	671	10	15	152	182	-44	13641
MAY-2019	7389	617	11	21	197	137	64	13683
JUN-2019	7329	680	14	13	136	191	-60	13704
JUL-2019	7343	668	13	13	181	164	14	13727
AUG-2019	7338	687	12	18	170	174	-5	13763
SEP-2019	7310	717	14	15	181	204	-28	13790
OCT-2019	7323	659	3	13	223	150	13	13819
NOV-2019	7316	680	9	17	165	170	-7	13852
DEC-2019	7311	667	8	12	164	157	-5	13879
JAN-2020	7329	641	10	12	183	155	18	13902
FEB-2020	7296	681	12	19	141	172	-33	13938
MAR-2020	7358	639	14	23	210	153	62	13974
APR-2020	7383	616	12	8	160	127	25	13999
MAY-2020	7383	631	10	15	131	132	0	14024
JUN-2020	7356	662	8	9	125	148	-27	14041
JUL-2020	7319	731	15	12	159	189	-37	14073
AUG-2020	7231	828	18	11	168	248	-88	14093

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	6757	484	56	7357	0.82%	91.84%	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	6816	483	50	7410	0.82%	91.98%	6.52%	0.67%	100.00%
MAY-2020	60	6813	481	50	7404	0.81%	92.02%	6.50%	0.68%	100.00%
JUN-2020	59	6786	485	51	7381	0.80%	91.94%	6.57%	0.69%	100.00%
JUL-2020	61	6769	471	48	7349	0.83%	92.11%	6.41%	0.65%	100.00%
AUG-2020	70	6686	458	51	7265	0.96%	92.03%	6.30%	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 9%	3402 47%	2 9%	3226 45%	0 0%	34 0%	0 0%	1 0%	0 0%	0 0%	9 39%	1024 14%	12 52%	2962 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%	3299 46%	5 20%	3138 43%	1 4%	35 0%	0 0%	0 0%	0 0%	0 0%	8 32%	1402 19%	11 44%	2638 37%
MAY-2020	1 4%	3276 45%	0 0%	3114 43%	0 0%	36 0%	0 0%	0 0%	0 0%	0 0%	13 54%	1482 21%	11 46%	2598 36%
JUN-2020	5 29%	3246 45%	5 29%	3084 43%	0 0%	33 0%	0 0%	0 0%	0 0%	0 0%	4 24%	1587 22%	8 47%	2523 35%
JUL-2020	6 19%	3208 45%	4 13%	3047 43%	2 6%	33 0%	0 0%	0 0%	0 0%	0 0%	14 44%	1697 24%	12 38%	2425 34%
AUG-2020	3 15%	3153 45%	2 10%	2993 42%	0 0%	32 0%	0 0%	0 0%	0 0%	0 0%	11 55%	1765 25%	6 30%	2316 33%

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-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	21	91%	3762	52%
FEB-2020	33	92%	3781	53%
MAR-2020	30	83%	3855	54%
APR-2020	19	76%	3889	54%
MAY-2020	23	96%	3917	54%
JUN-2020	12	71%	3930	55%
JUL-2020	26	81%	3949	55%
AUG-2020	17	85%	3922	55%

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%	1413 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%	1413 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%	1389 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%	1364 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%	750 35%	4 80%	1332 62%	0 0%	79 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%

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%	2 100%	589 36%	0 0%	202 13%	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%	502 36%	0 0%	179 13%	0 0%	422 30%	0 0%	294 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%	2590 57%	1 7%	607 13%	0 0%	29 1%	0 0%	544 12%
MAY-2020	10 56%	912 20%	6 33%	2558 56%	2 11%	597 13%	0 0%	27 1%	0 0%	541 12%
JUN-2020	4 31%	1024 22%	9 69%	2541 55%	0 0%	582 13%	1 8%	28 1%	0 0%	538 12%
JUL-2020	9 38%	1141 24%	10 42%	2514 54%	5 21%	550 12%	0 0%	29 1%	0 0%	527 11%
AUG-2020	10 59%	1222 26%	6 35%	2457 52%	1 6%	518 11%	0 0%	29 1%	0 0%	519 11%

Definitions:

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

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

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

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





2.10 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	1209	16.43	3562	48.42	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	1523	20.55	1129	15.24	3808	51.39	85	1.15	50	0.67	815	11.00
MAY-2020	1513	20.43	1113	15.03	3833	51.77	83	1.12	50	0.68	812	10.97
JUN-2020	1461	19.79	1087	14.73	3887	52.66	83	1.12	51	0.69	812	11.00
JUL-2020	1428	19.43	1059	14.41	3942	53.64	79	1.07	48	0.65	793	10.79
AUG-2020	1382	19.02	1029	14.16	3945	54.30	78	1.07	51	0.70	780	10.74

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	12	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

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	12252	3830
FEB-2019	12260	3829
MAR-2019	12290	3859
APR-2019	12316	3882
MAY-2019	12332	3883
JUN-2019	12332	3888
JUL-2019	12349	3903
AUG-2019	12381	3920
SEP-2019	12400	3938
OCT-2019	12434	3962
NOV-2019	12456	3971
DEC-2019	12480	3986
JAN-2020	12535	4032
FEB-2020	12566	4049
MAR-2020	12566	4039
APR-2020	12544	4015
MAY-2020	12533	4002
JUN-2020	12512	3982
JUL-2020	12490	3950
AUG-2020	12462	3929

Definitions:

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

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

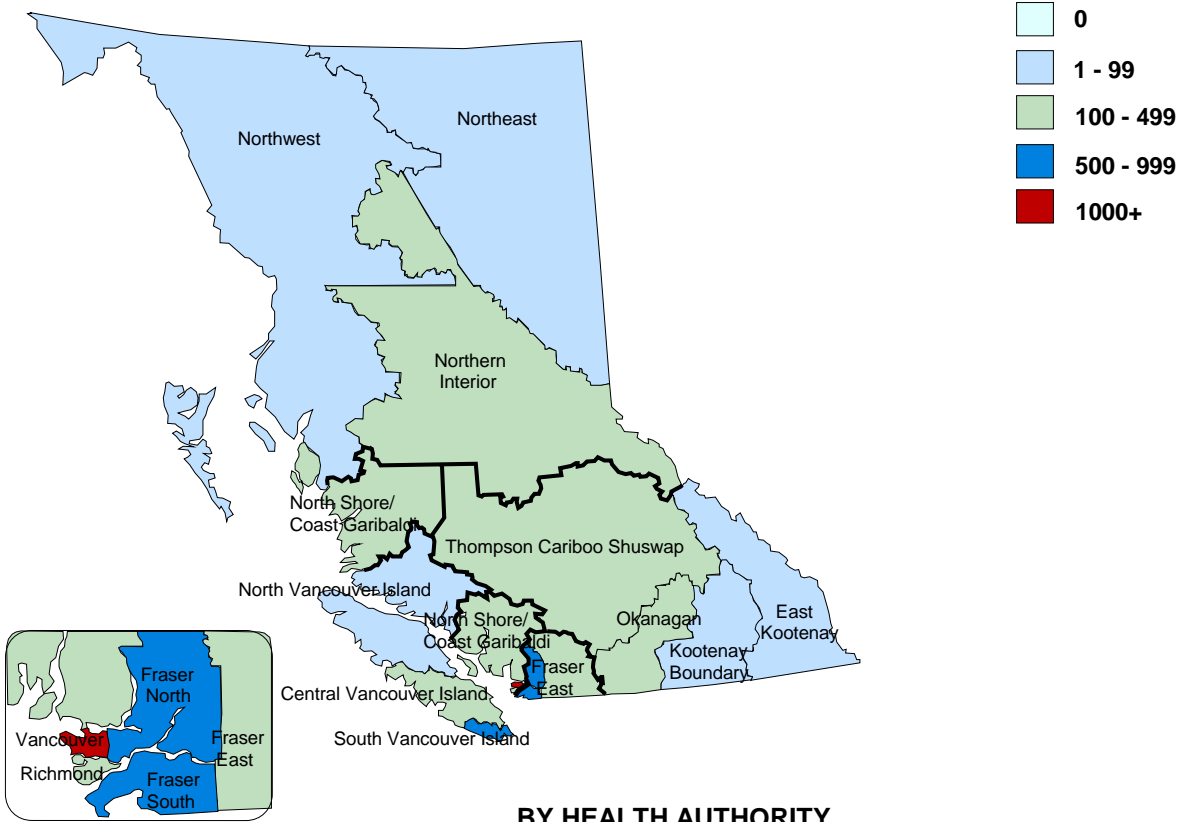




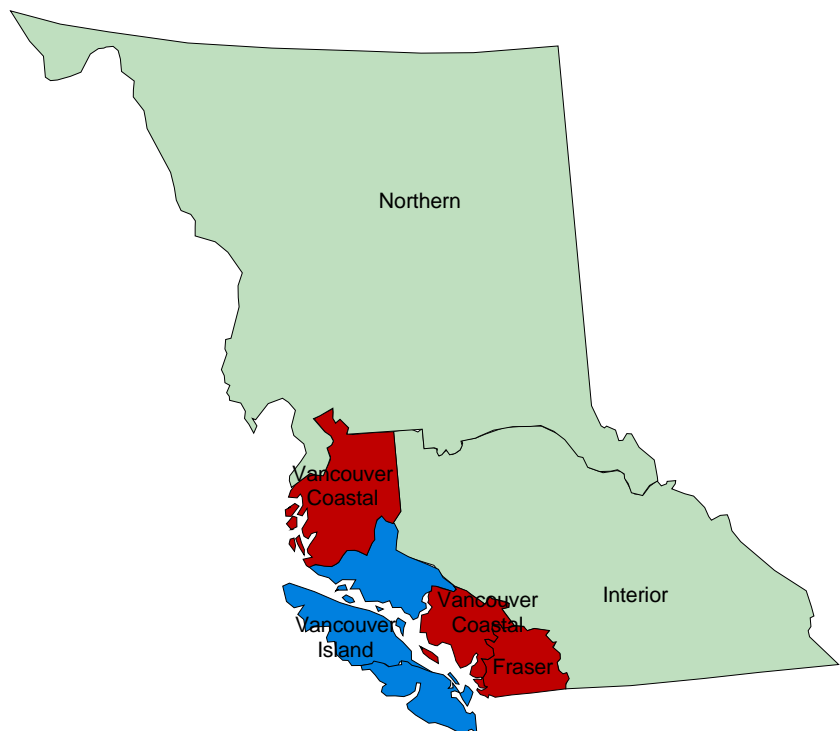
3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants August 2020

N = 7265

BY HEALTH SERVICES DELIVERY AREA



BY HEALTH AUTHORITY

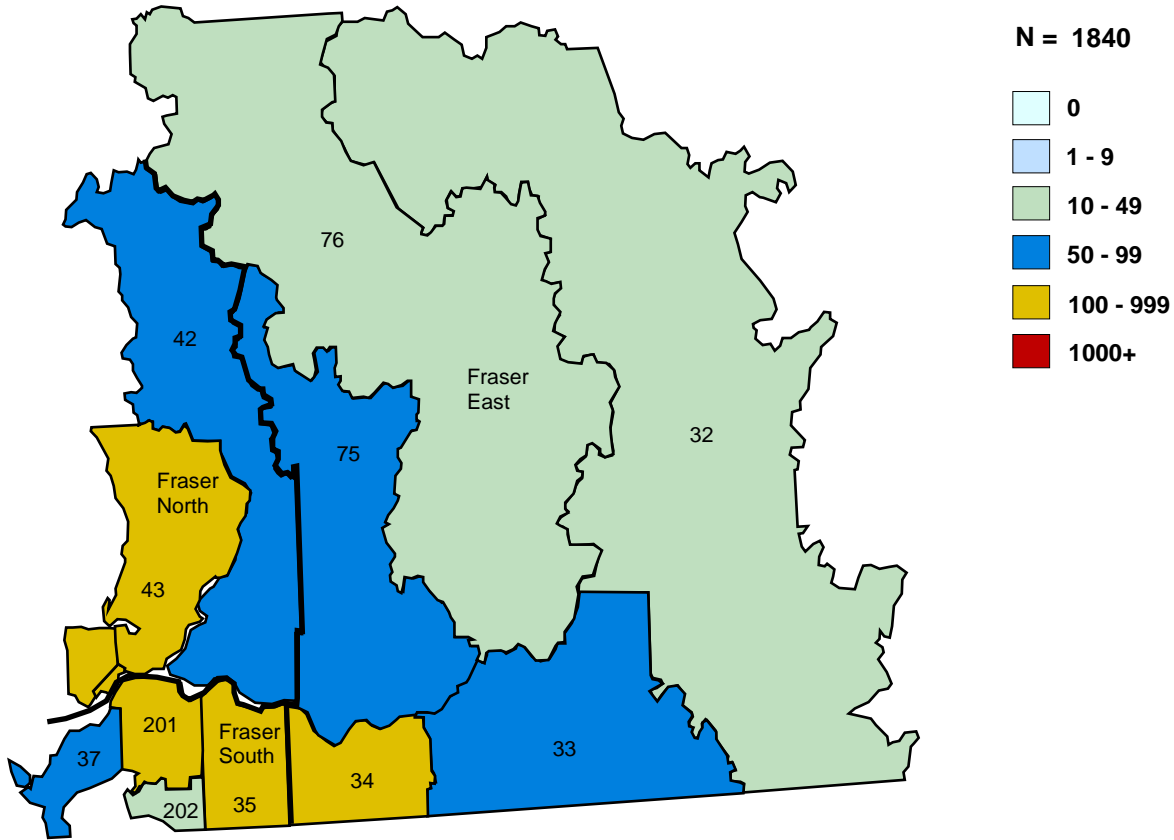




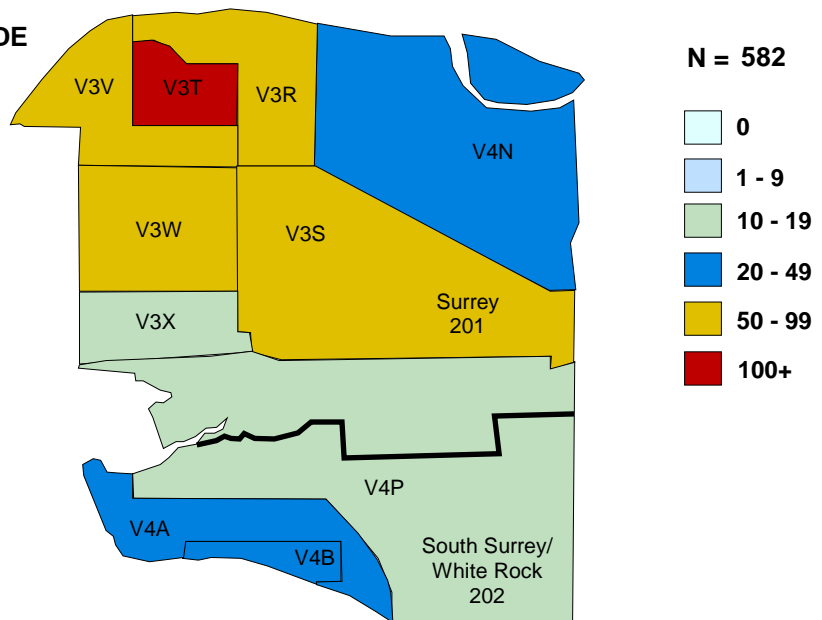
3.3 Distribution of HIV/AIDS Drug Treatment Program Active Participants

August 2020

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



SURREY BY POSTAL CODE

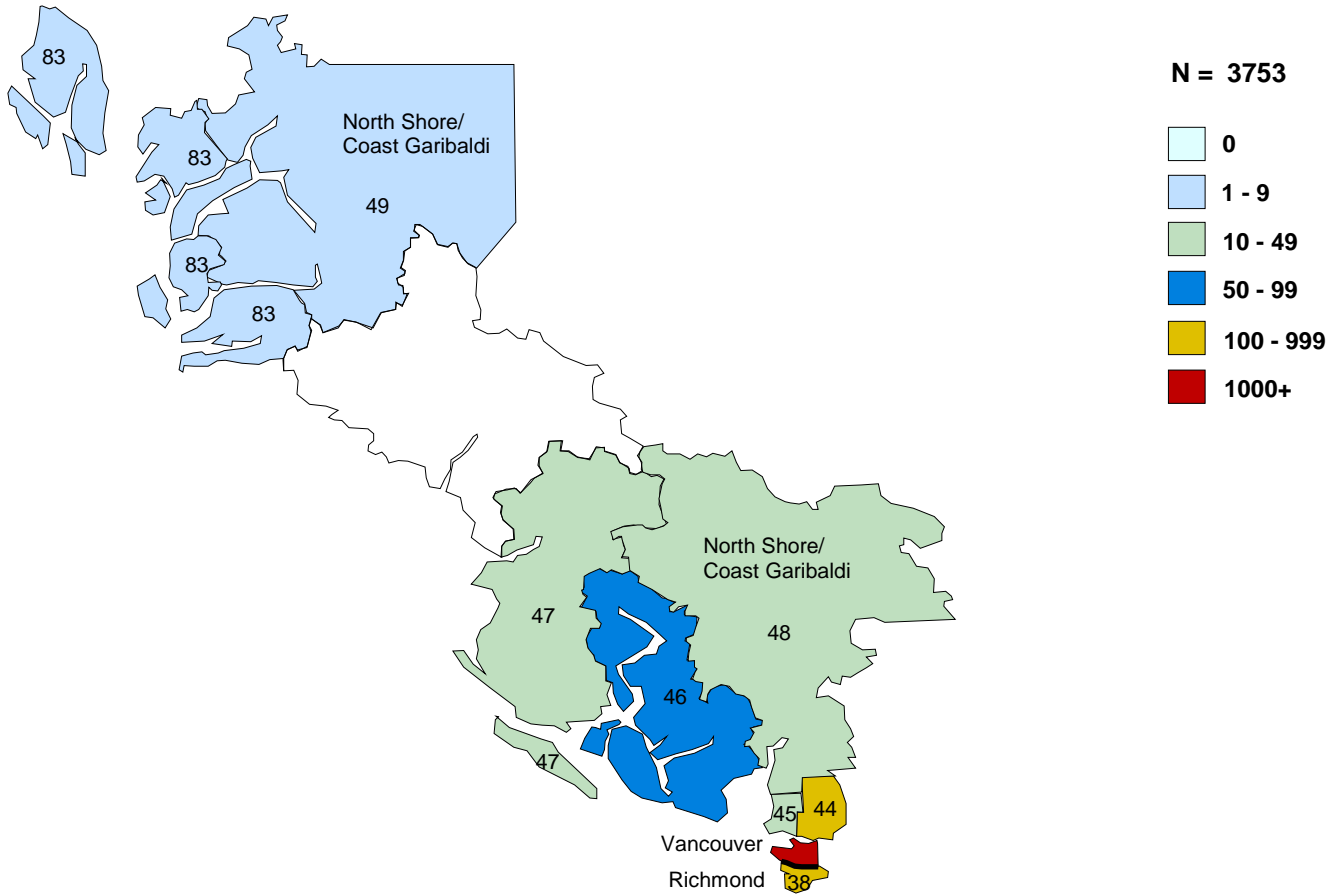




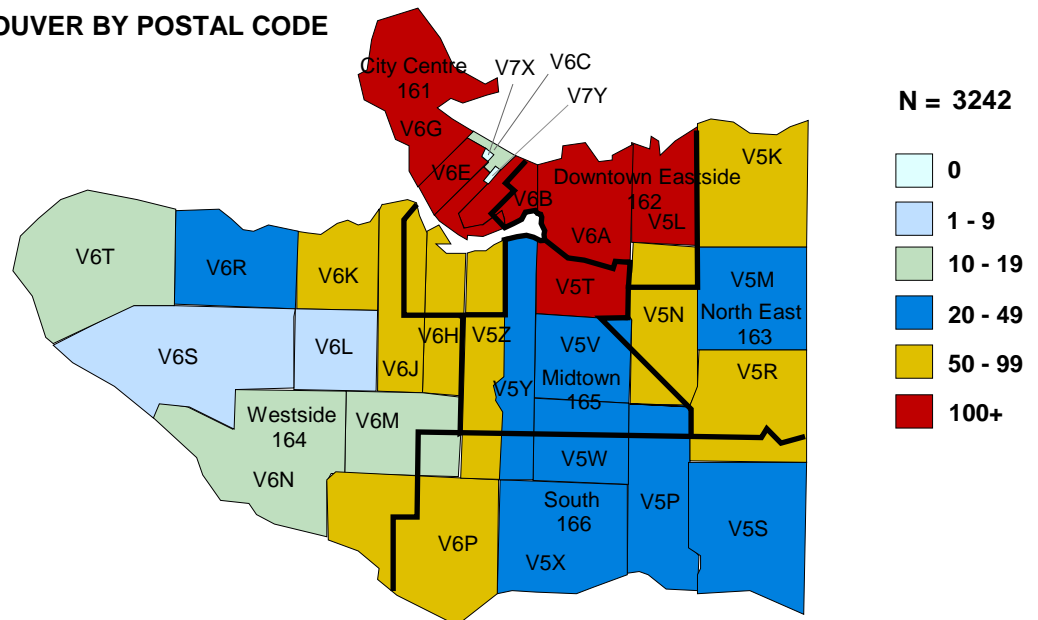
3.4 Distribution of HIV/AIDS Drug Treatment Program Active Participants

August 2020

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



VANCOUVER BY POSTAL CODE

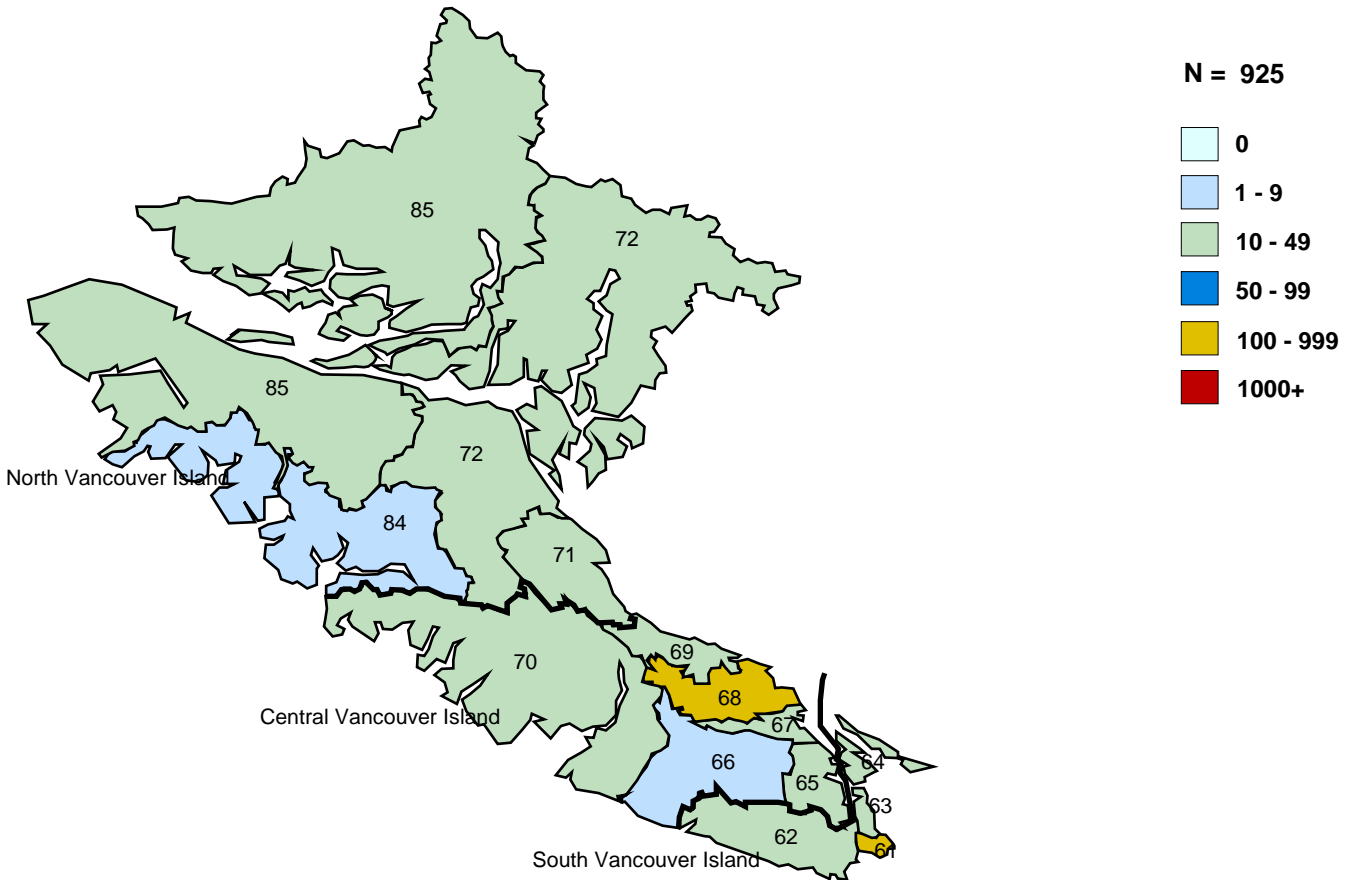




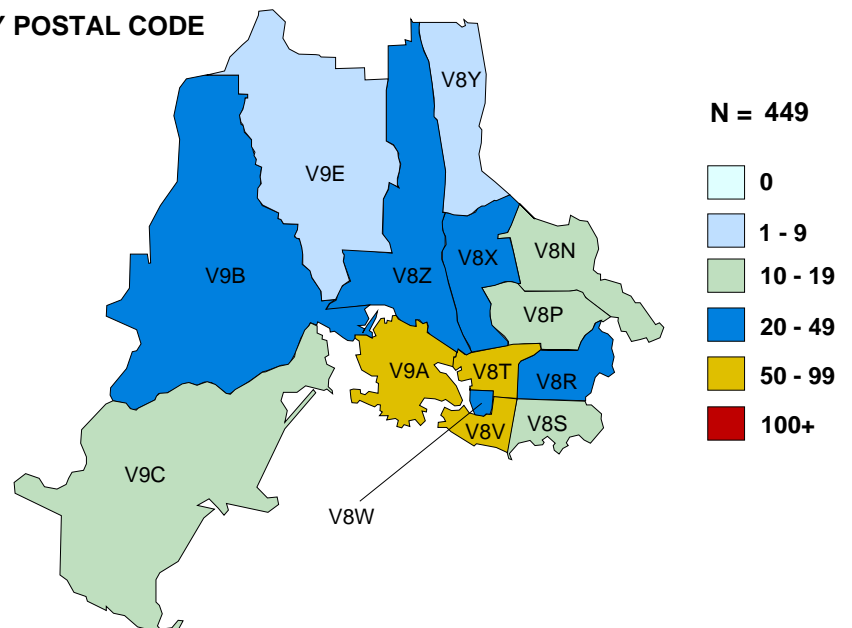
3.5 Distribution of HIV/AIDS Drug Treatment Program Active Participants

August 2020

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



VICTORIA BY POSTAL CODE

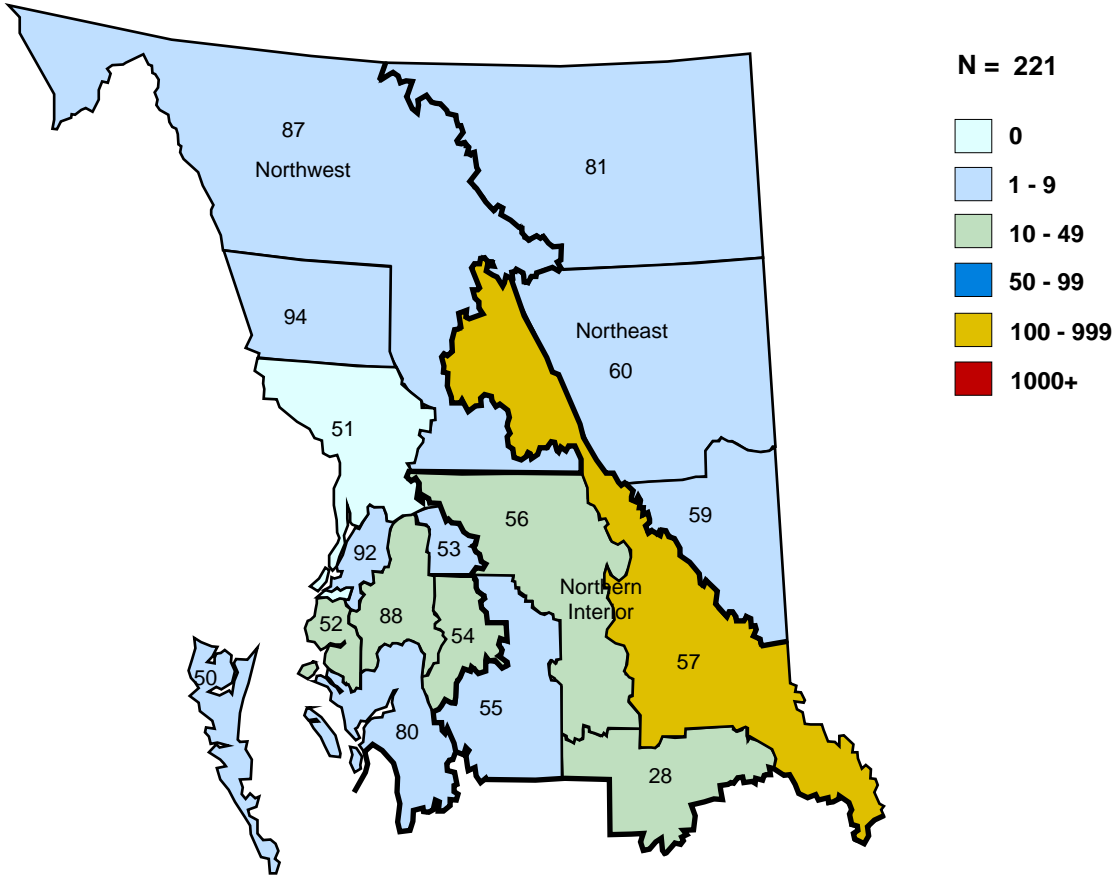




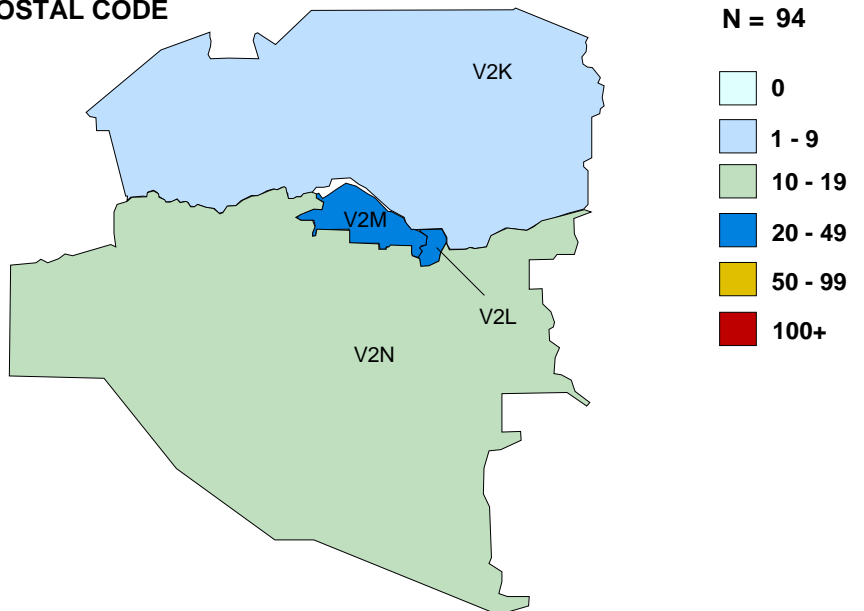
3.6 Distribution of HIV/AIDS Drug Treatment Program Active Participants

August 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	27
KOOTENAY BOUNDARY	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	74	99	57	
OKANAGAN	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	371	504	268	
THOMPSON/CARIBOO/ SHUSWAP	20-34	18	18	10
	35-49	70	75	54
	50+	109	179	83
	Total HSDA:	197	272	147
Total HA:		684	930	499

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		684	930	499

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	541	738	402
Female	143	192	97

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	499	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	11
	5 years or more	10	5
	<5 years	12	11
	Total HSDA:	42	27
KOOTENAY BOUNDARY	10 years or more	47	34
	5 years or more	16	13
	<5 years	11	10
	Total HSDA:	74	57
OKANAGAN	10 years or more	230	155
	5 years or more	76	61
	<5 years	65	52
	Total HSDA:	371	268
THOMPSON/CARIBOO/ SHUSWAP	10 years or more	110	77
	5 years or more	43	37
	<5 years	44	33
	Total HSDA:	197	147
Total HA:		684	499

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	407	277
5 years or more	145	116
<5 years	132	106
Total HA:	684	499

* 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	14	26
KOOTENAY BOUNDARY	73	123	26	44
OKANAGAN	228	943	61	285
THOMPSON/CARIBOO/SHUSWAP	140	525	37	137
Total:	487	1655	138	492

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
EAST KOOTENAY	*
KOOTENAY BOUNDARY	*
OKANAGAN	*
THOMPSON/CARIBOO/SHUSWAP	*
Total:	91

* 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	7	7	7
	20-34	32	34	26
	35-49	94	103	66
	50+	245	323	191
	Total HSDA:		378	467
FRASER NORTH	0-19	5	5	*
	20-34	120	120	*
	35-49	339	365	*
	50+	590	927	*
	Total HSDA:		1054	1417
FRASER SOUTH	0-19	5	5	*
	20-34	112	114	*
	35-49	323	365	*
	50+	565	837	*
	Total HSDA:		1005	1321
Total HA:		2437	3205	1840

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	17	17	11
	20-34	264	268	178
	35-49	756	833	569
	50+	1400	2087	1082
Total HA:		2437	3205	1840

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	1847	2454	1422
Female	590	751	418

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	1840	52	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)





4.5 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	226	171
	5 years or more	76	59
	<5 years	76	60
	Total HSDA:	378	290
FRASER NORTH	10 years or more	609	422
	5 years or more	255	205
	<5 years	190	150
	Total HSDA:	1054	777
FRASER SOUTH	10 years or more	588	444
	5 years or more	214	154
	<5 years	203	175
	Total HSDA:	1005	773
Total HA:		2437	1840

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	1423	1037
	5 years or more	545	418
	<5 years	469	385
Total HA:		2437	1840

* 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	143	515	31	56
FRASER NORTH	254	1583	51	225
FRASER SOUTH	219	1596	49	485
Total:	616	3694	131	766

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
FRASER EAST	194
FRASER NORTH	662
FRASER SOUTH	435
Total:	1291

* 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:		346	497
RICHMOND	0-19	*	*	0
	20-34	*	*	23
	35-49	*	*	35
	50+	*	*	83
	Total HSDA:		187	237
VANCOUVER	0-19	16	16	7
	20-34	445	460	289
	35-49	1349	1510	946
	50+	2879	4952	2087
	Total HSDA:	4689	6938	3329
Total HA:		5222	7672	3753

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	18	18	8
	20-34	506	522	331
	35-49	1475	1647	1041
	50+	3223	5485	2373
Total HA:		5222	7672	3753

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Unknown	2	2	0
Male	4614	6735	3309
Female	606	935	444

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	3753	54	640	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	194	151
	5 years or more	88	74
	<5 years	64	58
	Total HSDA:	346	283
RICHMOND	10 years or more	103	72
	5 years or more	39	30
	<5 years	45	39
	Total HSDA:	187	141
VANCOUVER	10 years or more	2904	1980
	5 years or more	1065	772
	<5 years	720	577
	Total HSDA:	4689	3329
Total HA:		5222	3753

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	3201	2203
5 years or more	1192	876
<5 years	829	674
Total HA:	5222	3753

* 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	57	89
RICHMOND	43	291	10	92
VANCOUVER	627	10979	207	5259
Total:	848	11674	274	5440

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH SHORE/COAST GARIBALDI	6
RICHMOND	5
VANCOUVER	70
Total:	81

* 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:		332	470
NORTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		126	169
SOUTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		752	1070
Total HA:		1210	1709	925

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		1210	1709	925

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	1004	1412	775
Female	206	297	150

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	925	55	580	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	193	153
	5 years or more	73	55
	<5 years	66	51
	Total HSDA:	332	259
NORTH VANCOUVER ISLAND	10 years or more	73	56
	5 years or more	37	26
	<5 years	16	14
	Total HSDA:	126	96
SOUTH VANCOUVER ISLAND	10 years or more	436	303
	5 years or more	160	137
	<5 years	156	130
	Total HSDA:	752	570
Total HA:		1210	925

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	702	512
5 years or more	270	218
<5 years	238	195
Total HA:	1210	925

* 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	196	877	79	194
NORTH VANCOUVER ISLAND	148	261	49	78
SOUTH VANCOUVER ISLAND	212	1821	45	559
Total:	556	2959	173	831

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
CENTRAL VANCOUVER ISLAND	47
NORTH VANCOUVER ISLAND	44
SOUTH VANCOUVER ISLAND	114
Total:	205

* 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	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		42	51
NORTH WEST	20-34	9	10	5
	35-49	18	34	16
	50+	42	66	33
	Total HSDA:	69	110	54
NORTHERN INTERIOR	0-19	5	5	*
	20-34	23	24	*
	35-49	69	86	*
	50+	96	161	*
	Total HSDA:	193	276	143
Total HA:		304	437	221

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	6	6	*
	20-34	36	38	*
	35-49	104	140	*
	50+	158	253	*
Total HA:		304	437	221

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	185	269	131
Female	119	168	90

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	221	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	11
	5 years or more	14	8
	<5 years	7	5
	Total HSDA:	42	24
NORTH WEST	10 years or more	34	25
	5 years or more	23	19
	<5 years	12	10
	Total HSDA:	69	54
NORTHERN INTERIOR	10 years or more	80	55
	5 years or more	69	55
	<5 years	44	33
	Total HSDA:	193	143
Total HA:		304	221

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	135	91
	5 years or more	106	82
	<5 years	63	48
Total HA:		304	221

* 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	4	5
NORTH WEST	83	165	17	35
NORTHERN INTERIOR	116	456	20	189
Total:	239	683	41	229

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	*
	KOOTENAY BOUNDARY	6	9	*
	OKANAGAN	26	42	*
	THOMPSON/CARIBOO/SHUSWAP	25	47	*
	Total HA:	63	108	46
FRASER	FRASER EAST	36	46	31
	FRASER NORTH	53	89	44
	FRASER SOUTH	81	114	61
	Total HA:	170	249	136
VANCOUVER COASTAL	NORTH SHORE/COAST GARIBALDI	24	47	21
	RICHMOND	9	14	6
	VANCOUVER	480	869	376
	Total HA:	513	930	403
VANCOUVER ISLAND	CENTRAL VANCOUVER ISLAND	51	81	41
	NORTH VANCOUVER ISLAND	19	28	15
	SOUTH VANCOUVER ISLAND	41	85	33
	Total HA:	111	194	89
NORTHERN	NORTH EAST	12	15	11
	NORTH WEST	28	59	21
	NORTHERN INTERIOR	76	115	63
	Total HA:	116	189	95
Total:		973	1670	769

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	614	1070	483
Female	359	600	286

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total:	769	52	510	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.





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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.

