



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS

B.C. HIV/AIDS Drug Treatment Program

Monthly Report

July 2021





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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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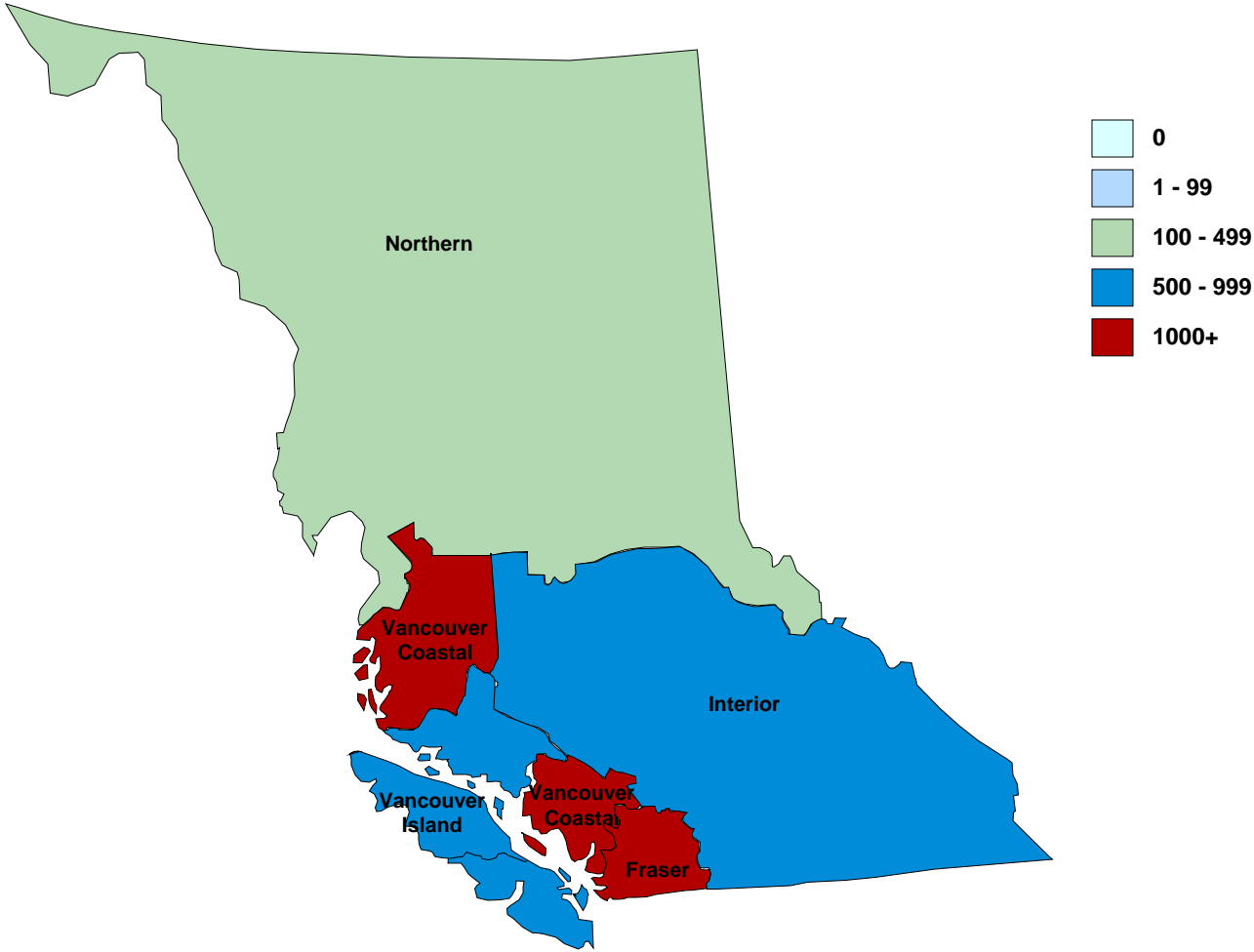




1.1 Distribution of men and women on antiretroviral therapy in British Columbia by Health Authority

July 2021

N = 7456



Health Authority	Male	Female	All
FRASER	1464	452	1916
INTERIOR	446	103	549
NORTHERN	127	80	207
VANCOUVER COASTAL	3355	447	3802
VANCOUVER ISLAND	787	168	955
	6179	1250	7429
		Unknown/not stated:	27
		Total:	7456

Definitions:

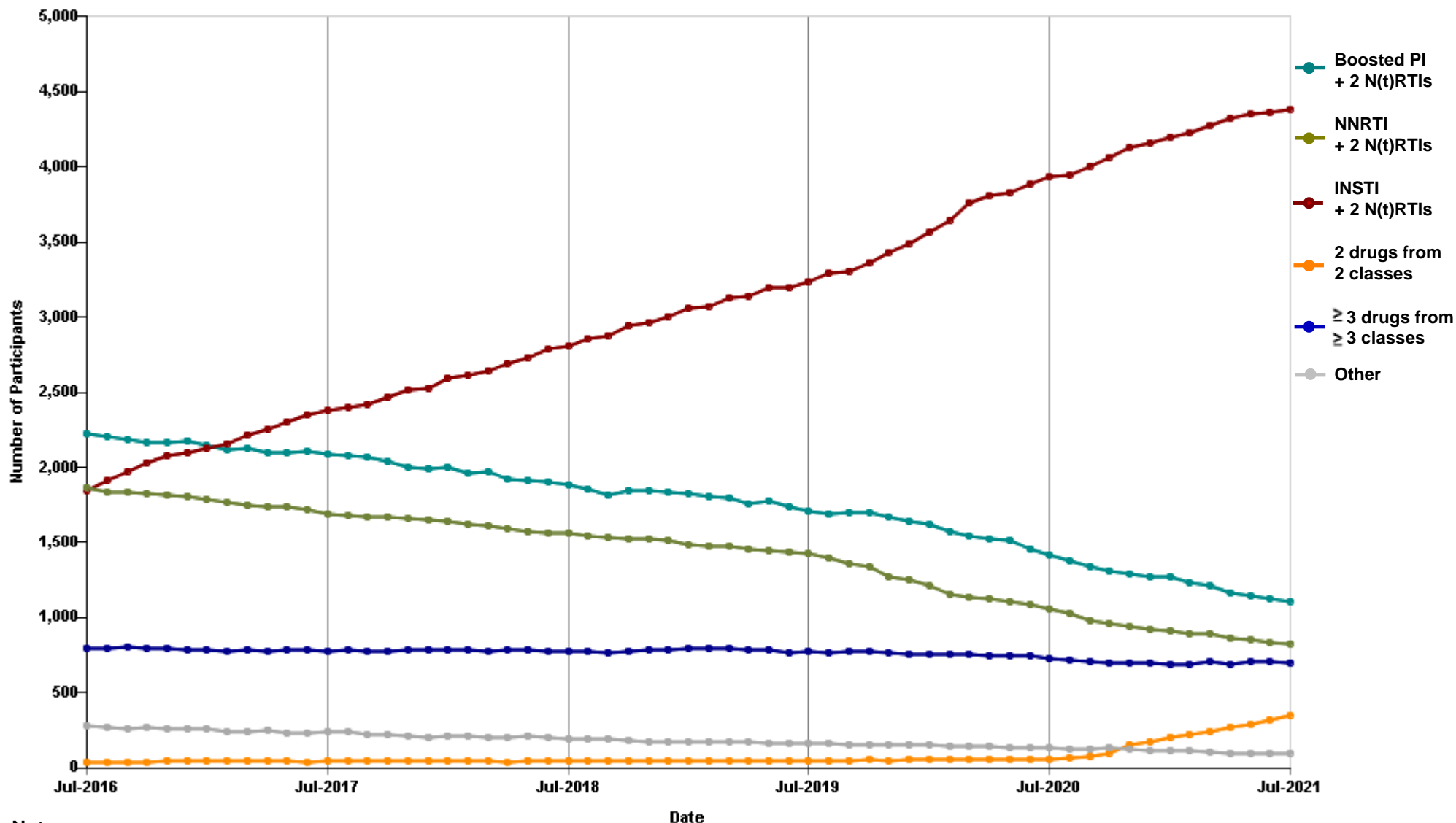
On antiretroviral therapy defined as being on treatment in the current month

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 Category (July 2016 - July 2021)



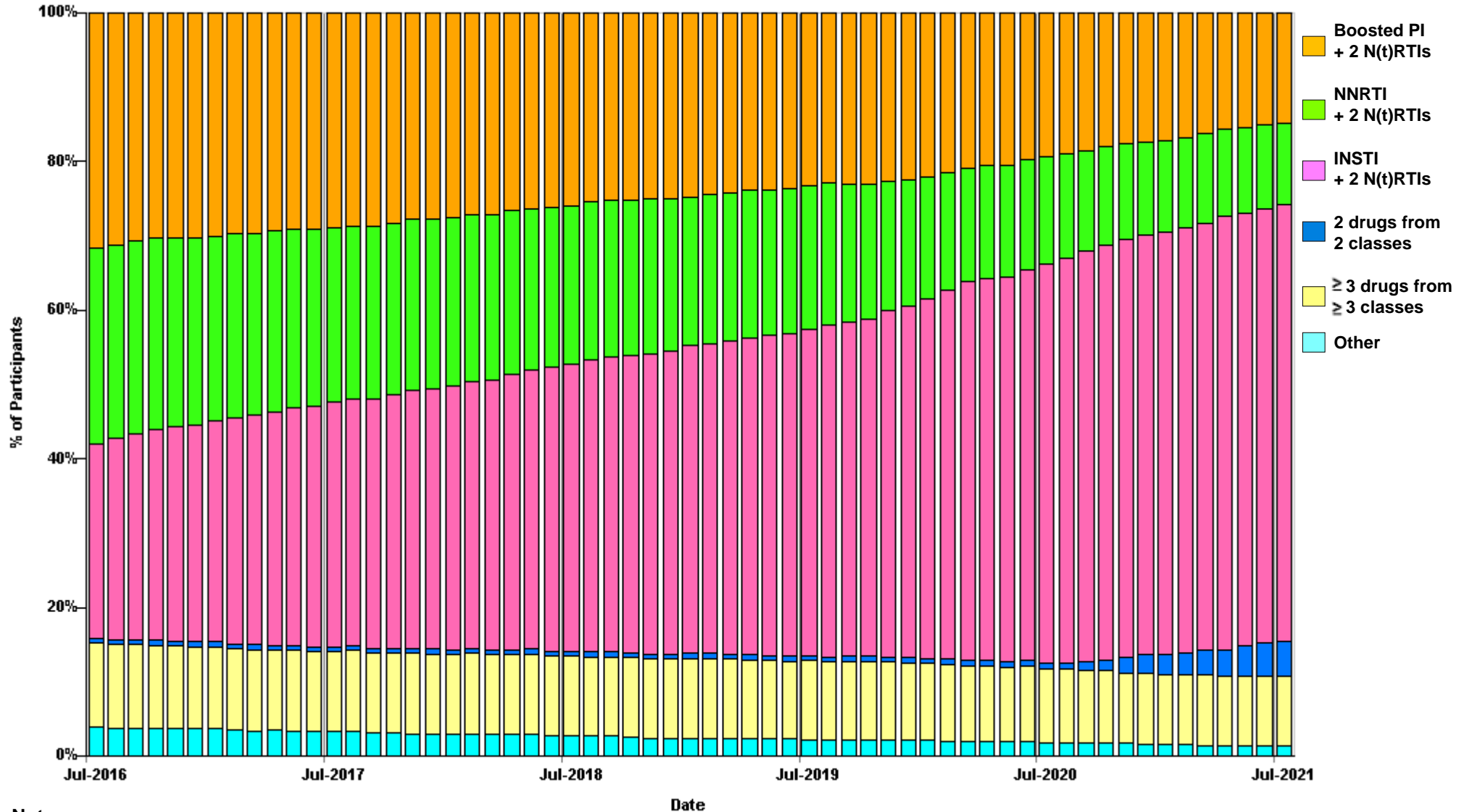
Notes:

Regimen categories may contain a small number of participants with undetermined regimen, due to medication change(s) within the month





1.3 Percent Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Category (July 2016 - July 2021)



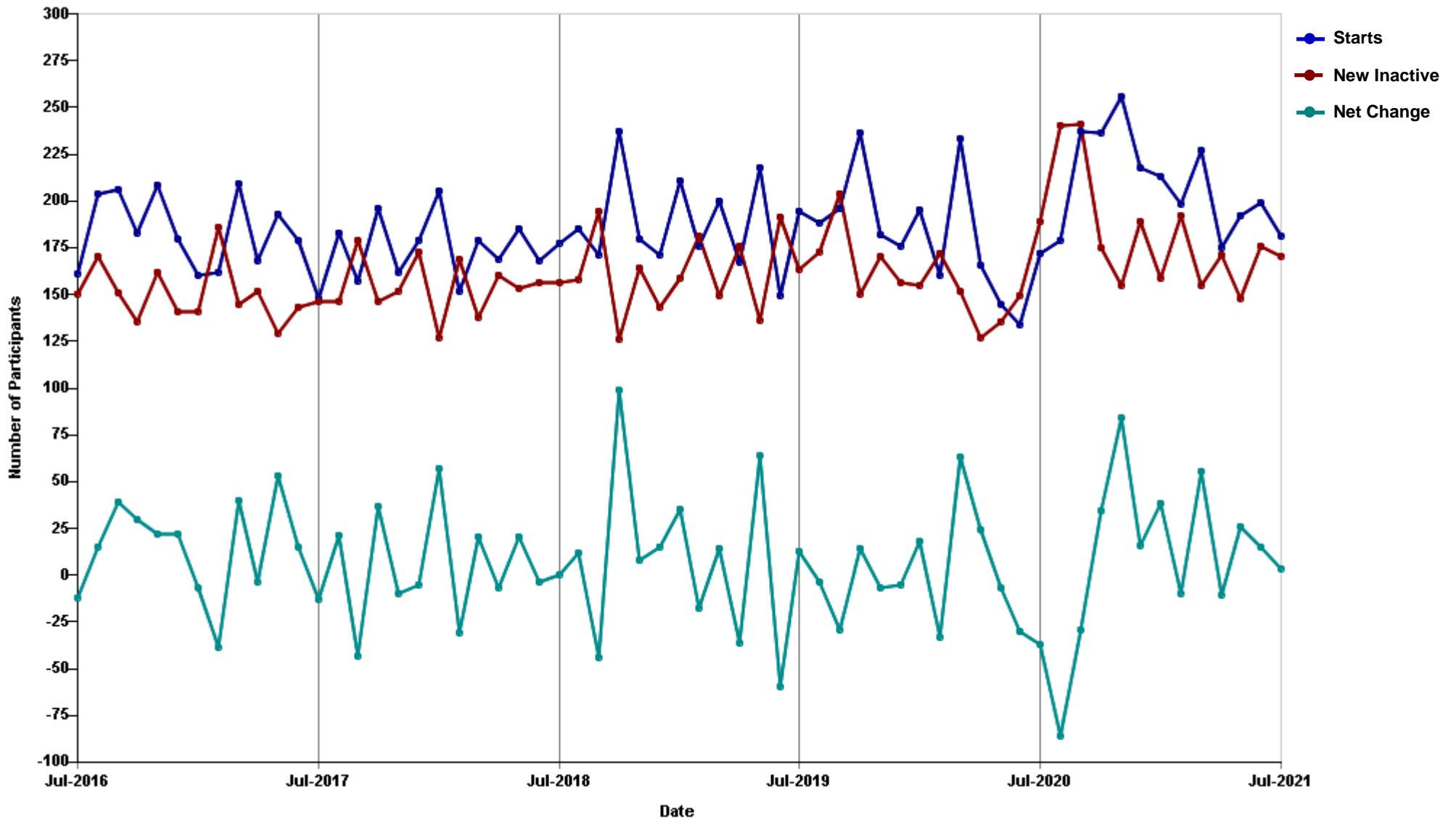
Notes:

Regimen categories may contain a small number of participants with undetermined regimen, due to medication change(s) within the month



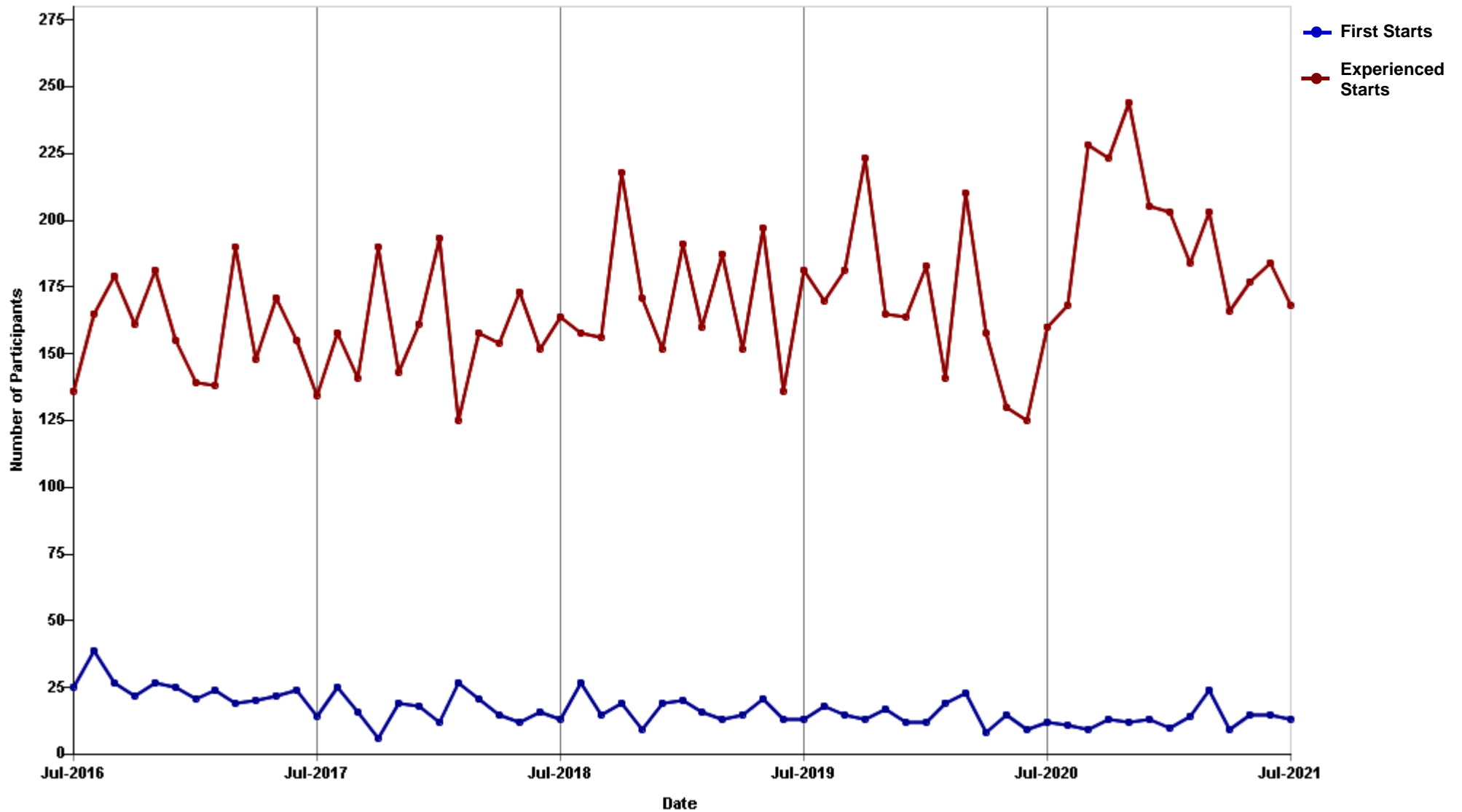


1.4 BC-CfE Enrollment: Net Number of New Antiretroviral Participants (July 2016 - July 2021)



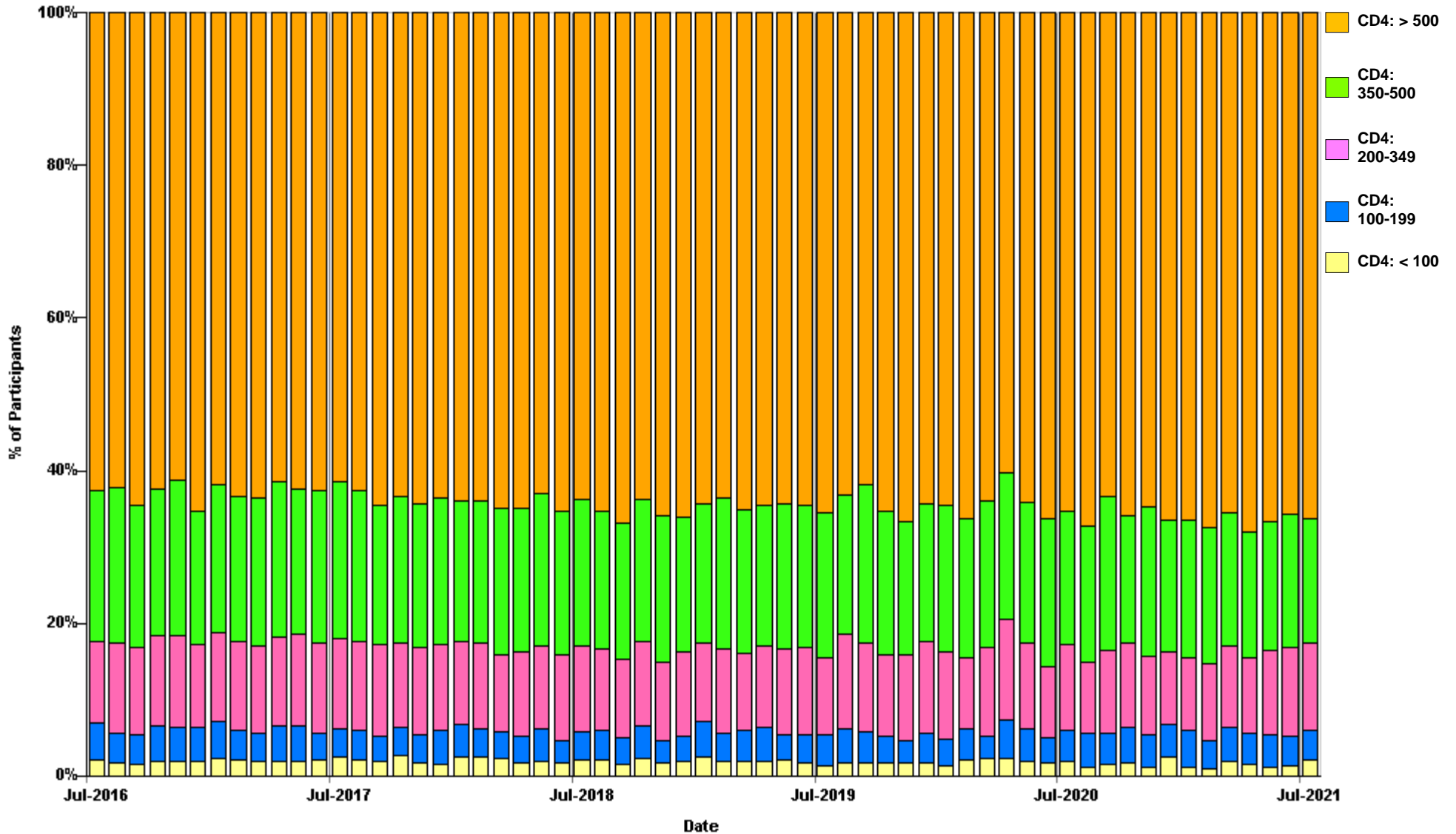


1.5 BC-CfE Enrollment: New Antiretroviral Participants (July 2016 - July 2021)



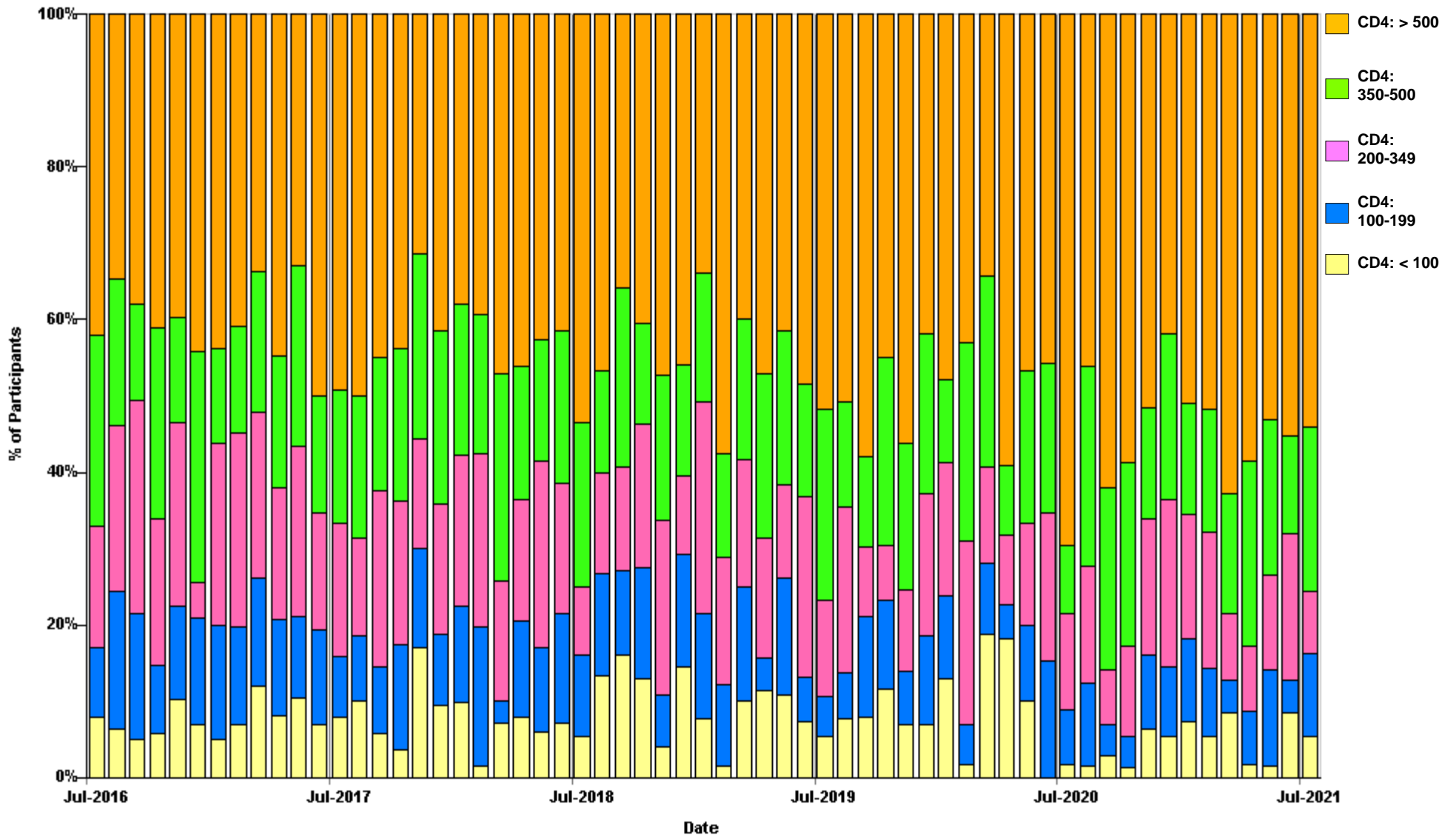


1.6 Percent Distribution of Active Participants by CD4 Count
(July 2016 - July 2021)



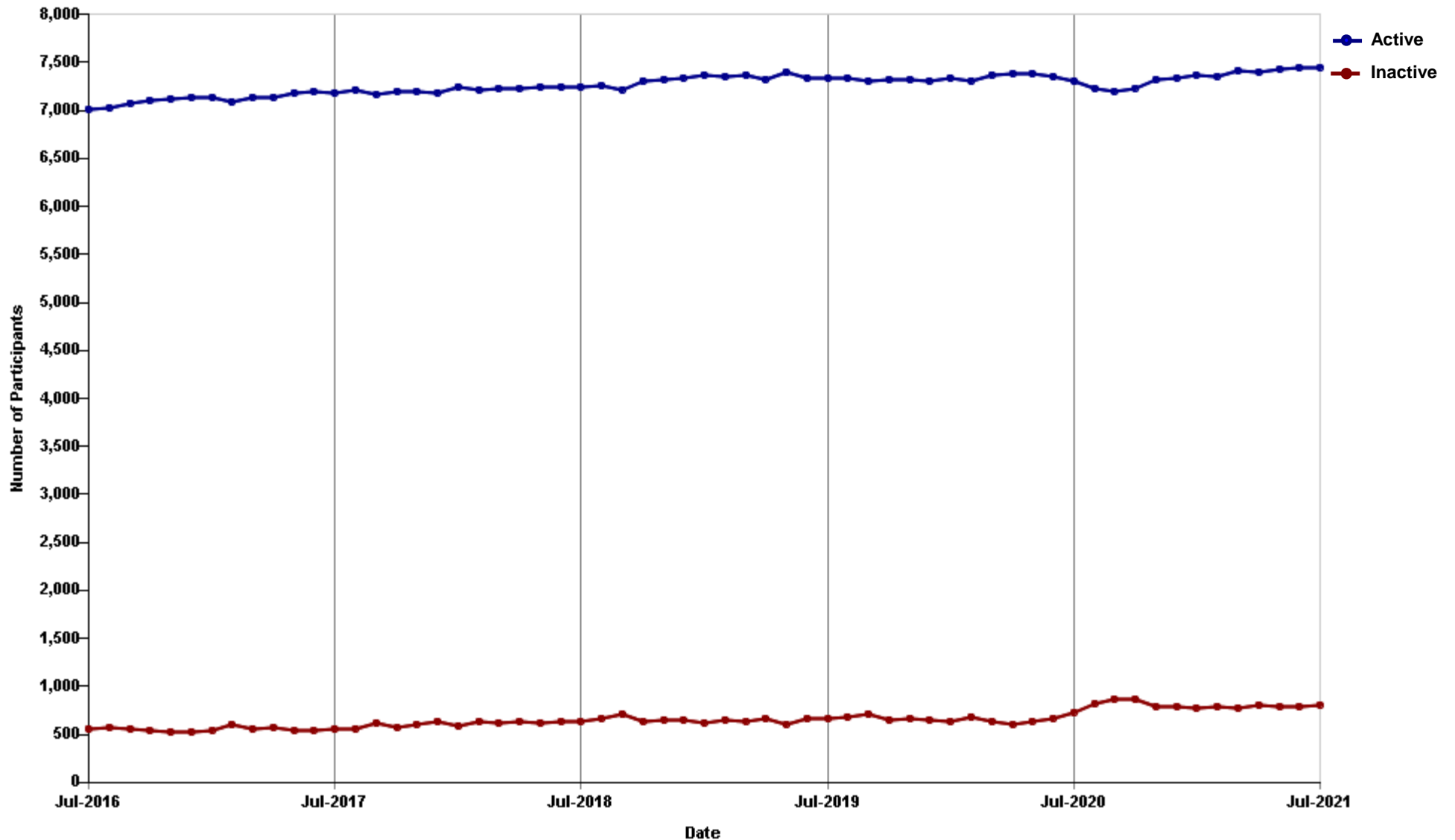


1.7 Percent Distribution of Inactive Participants by CD4 Count (July 2016 - July 2021)



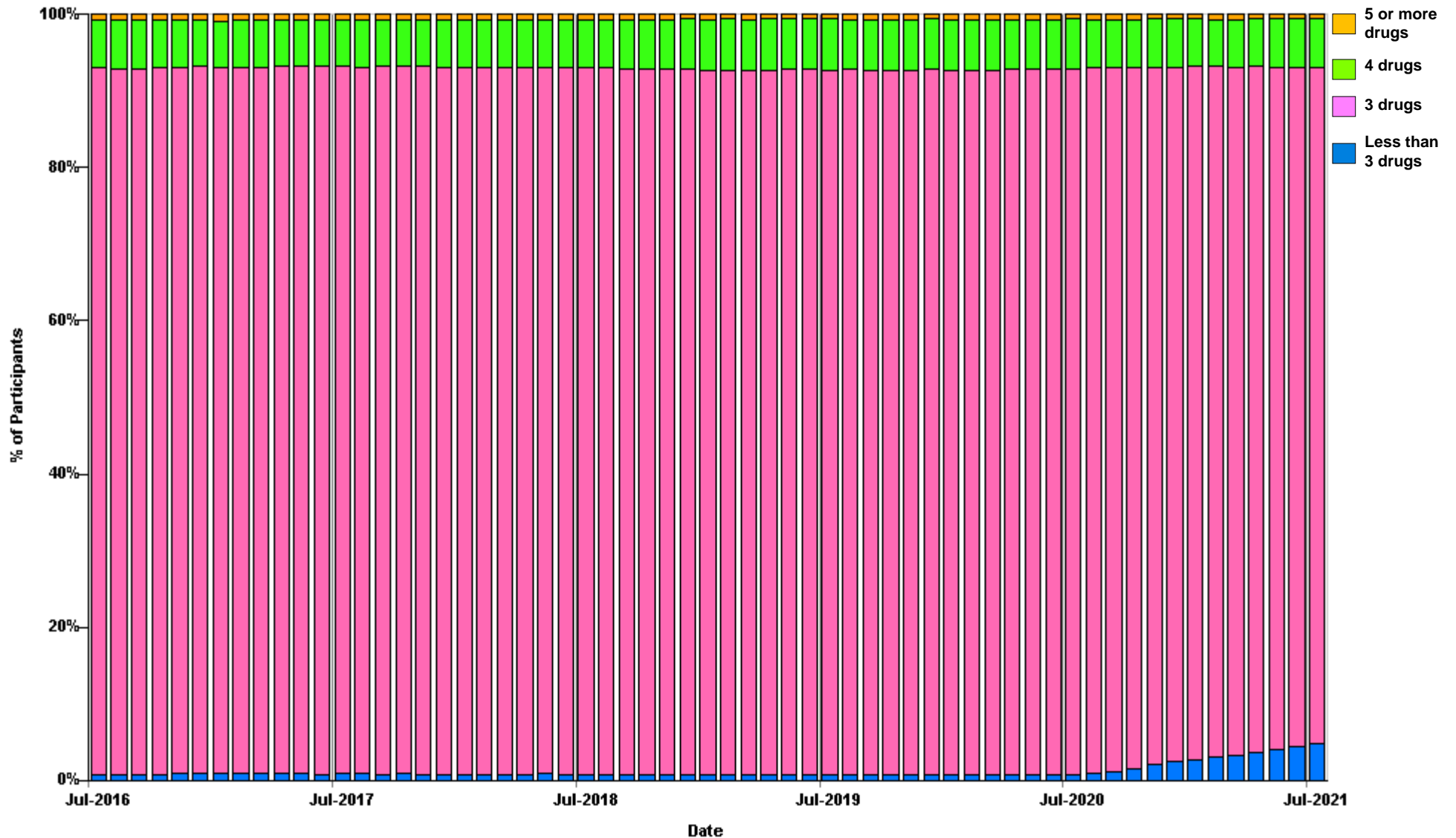


1.8 Active and Inactive Participants (July 2016 - July 2021)



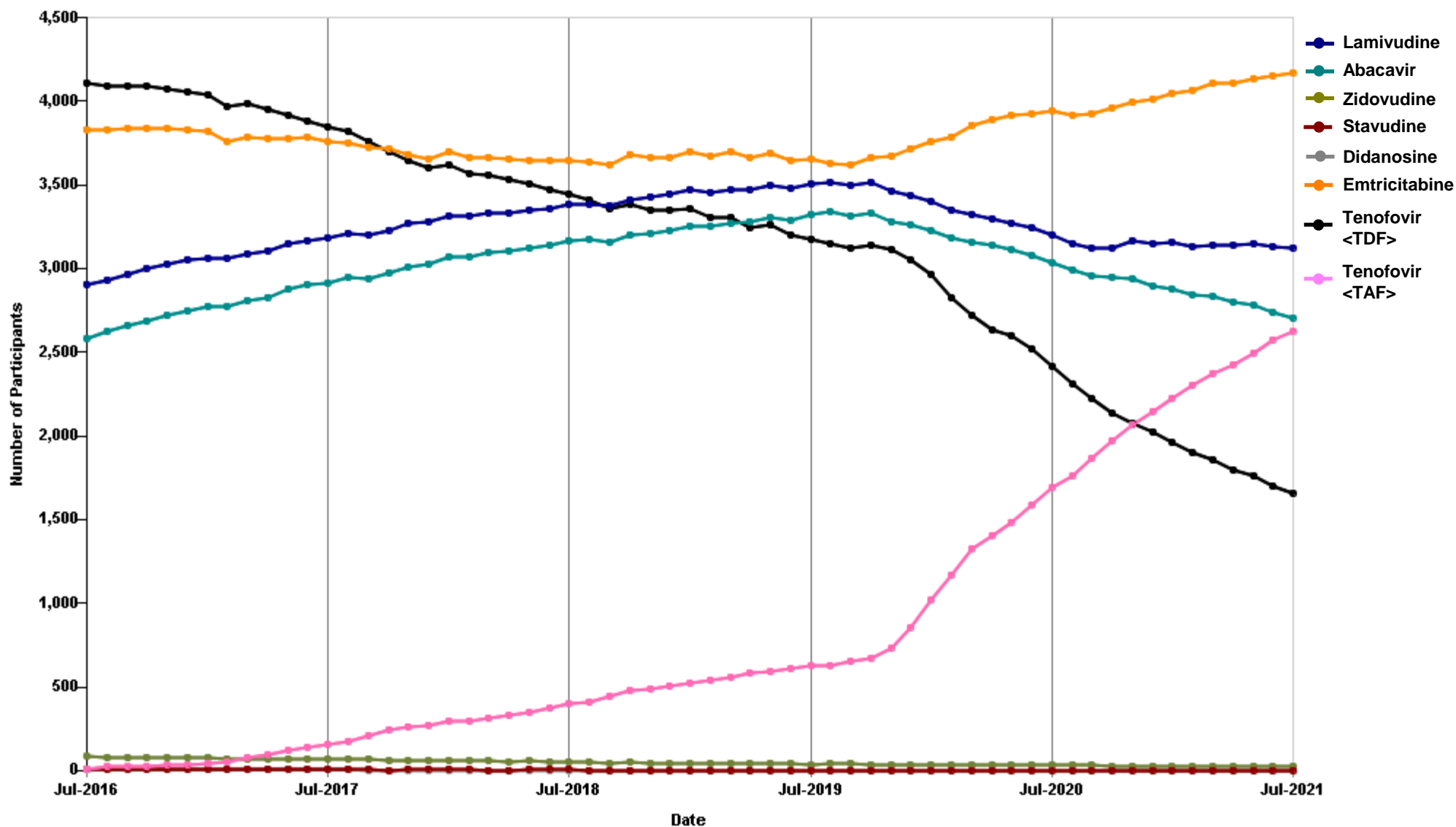


1.9 Percent Distribution of Participants on ARV Therapy by Number of Drugs (July 2016 - July 2021)





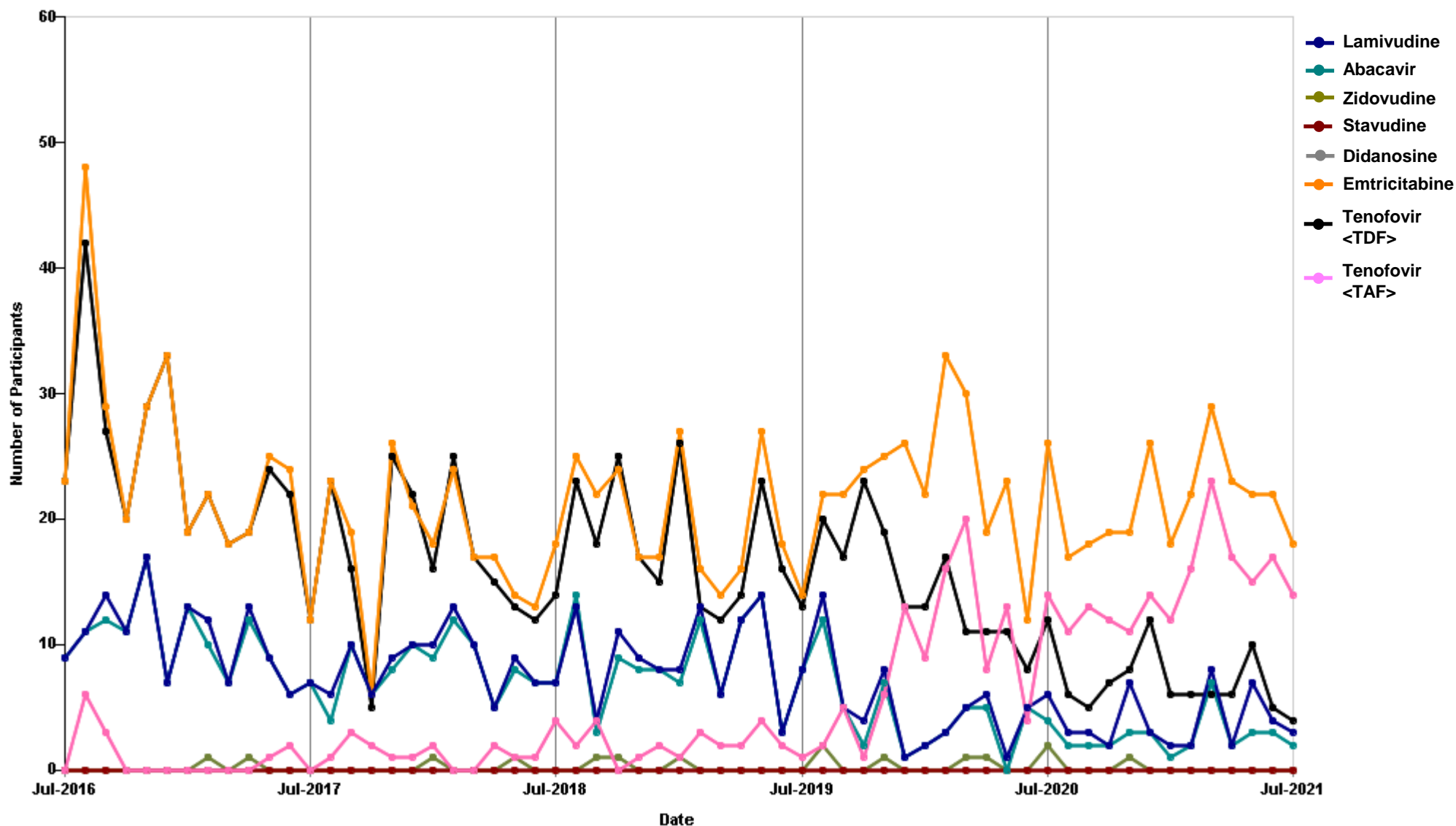
1.10 Distribution of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT (July 2016 - July 2021)





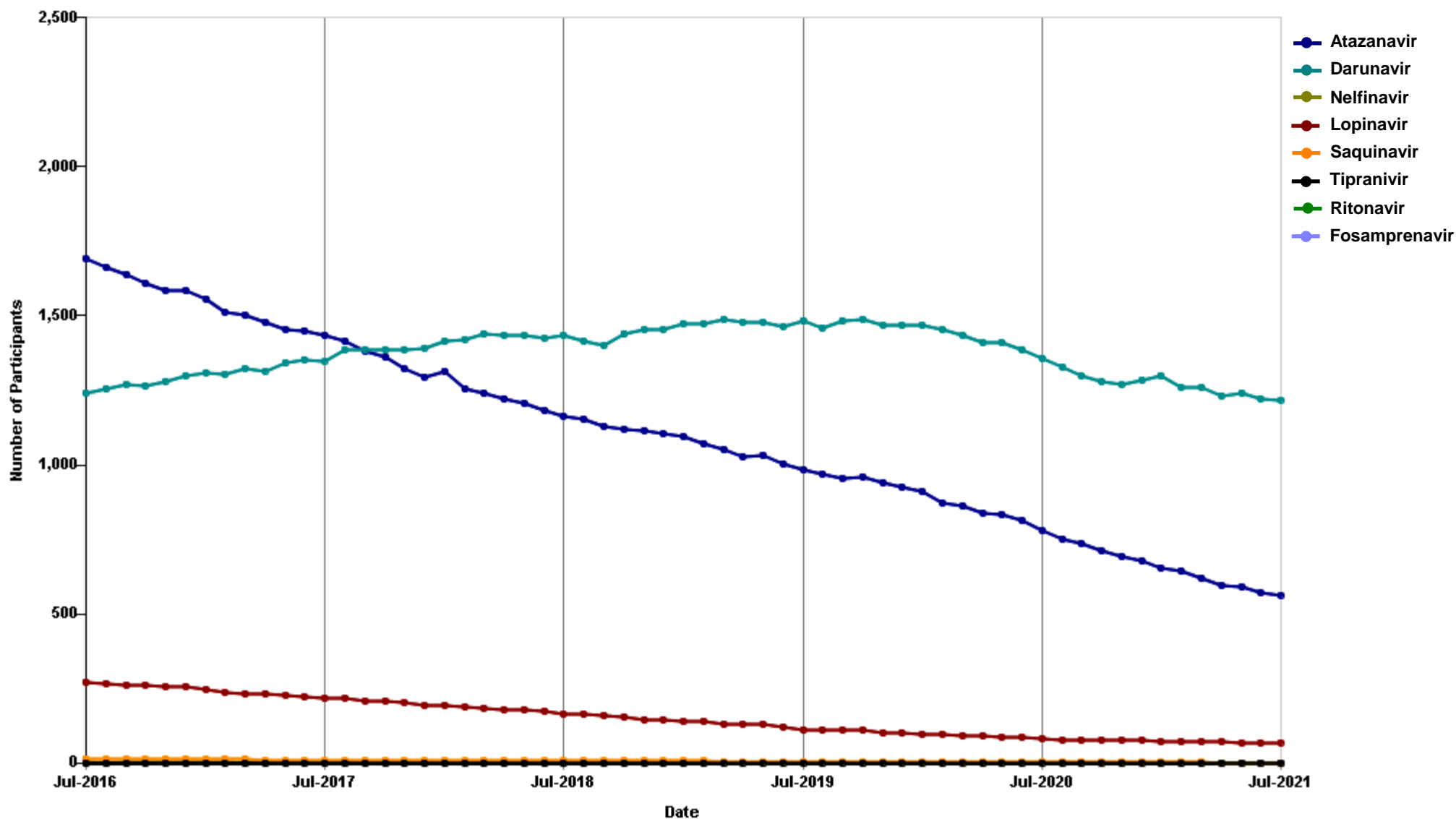
1.11 Distribution of Participants on Nucleoside/Nucleotide Analogues at the time of first start of ARV Therapy by INGREDIENT

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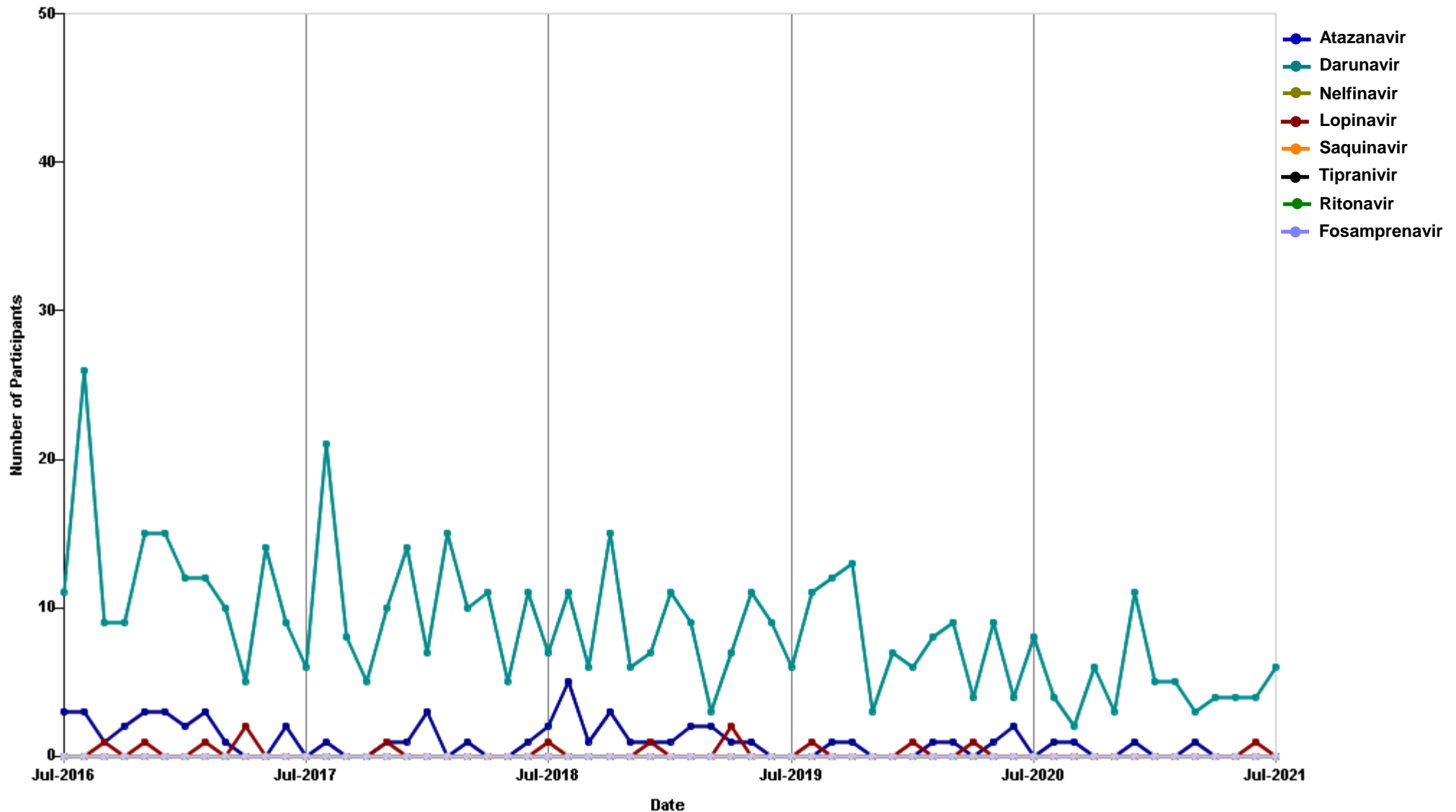
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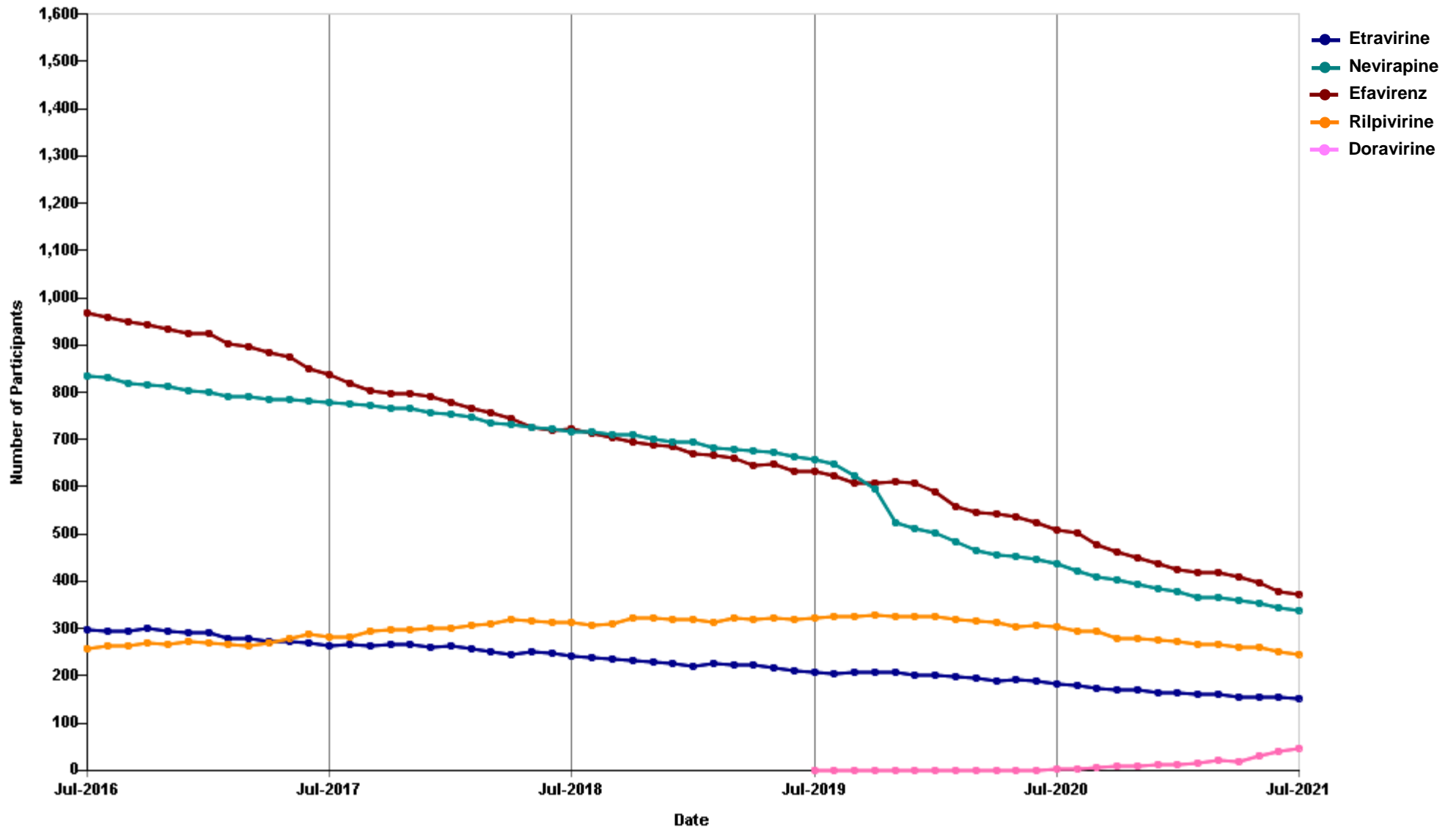
1.13 Distribution of Participants on Protease Inhibitor at the time of first start of ARV Therapy by INGREDIENT

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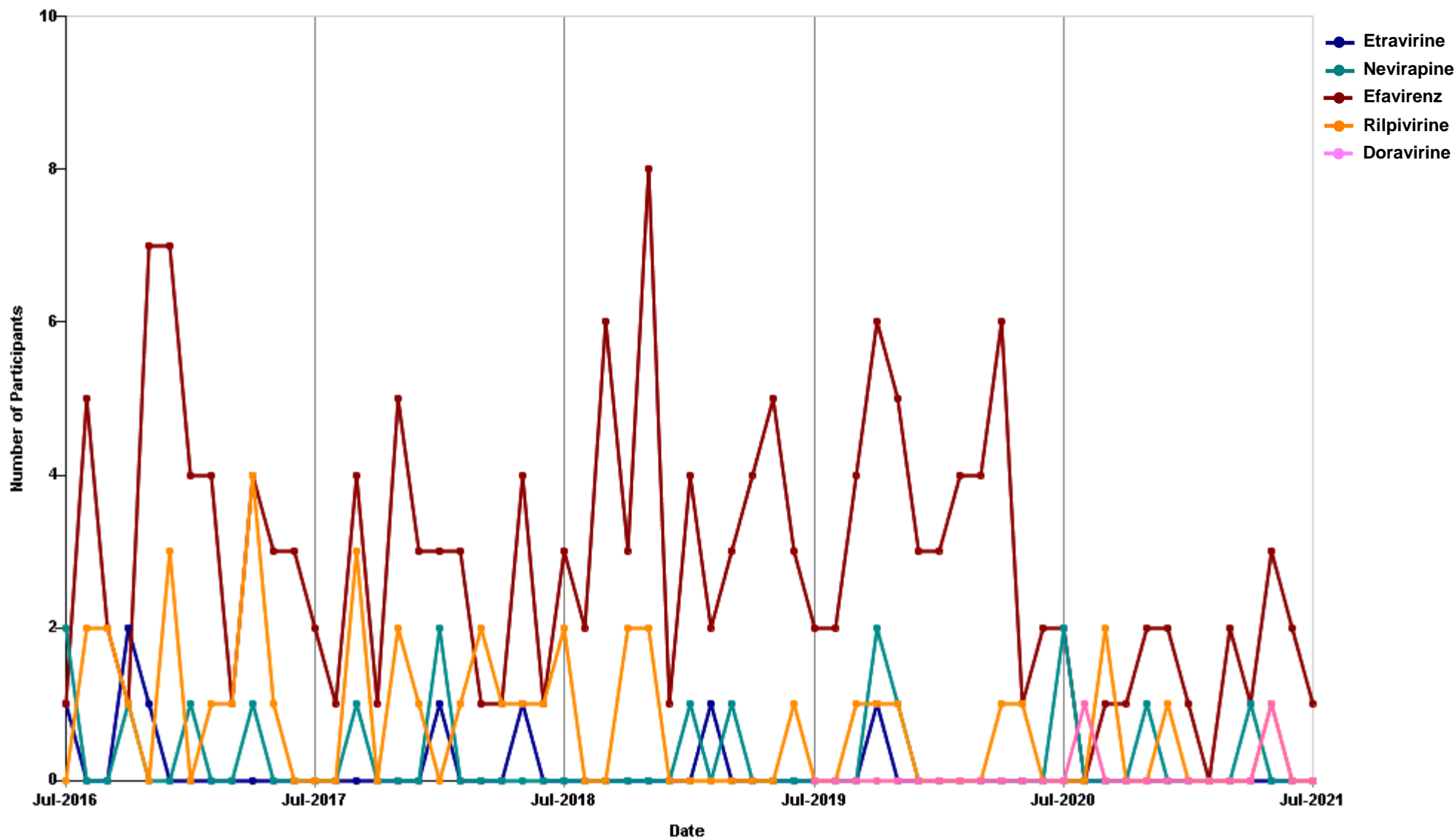
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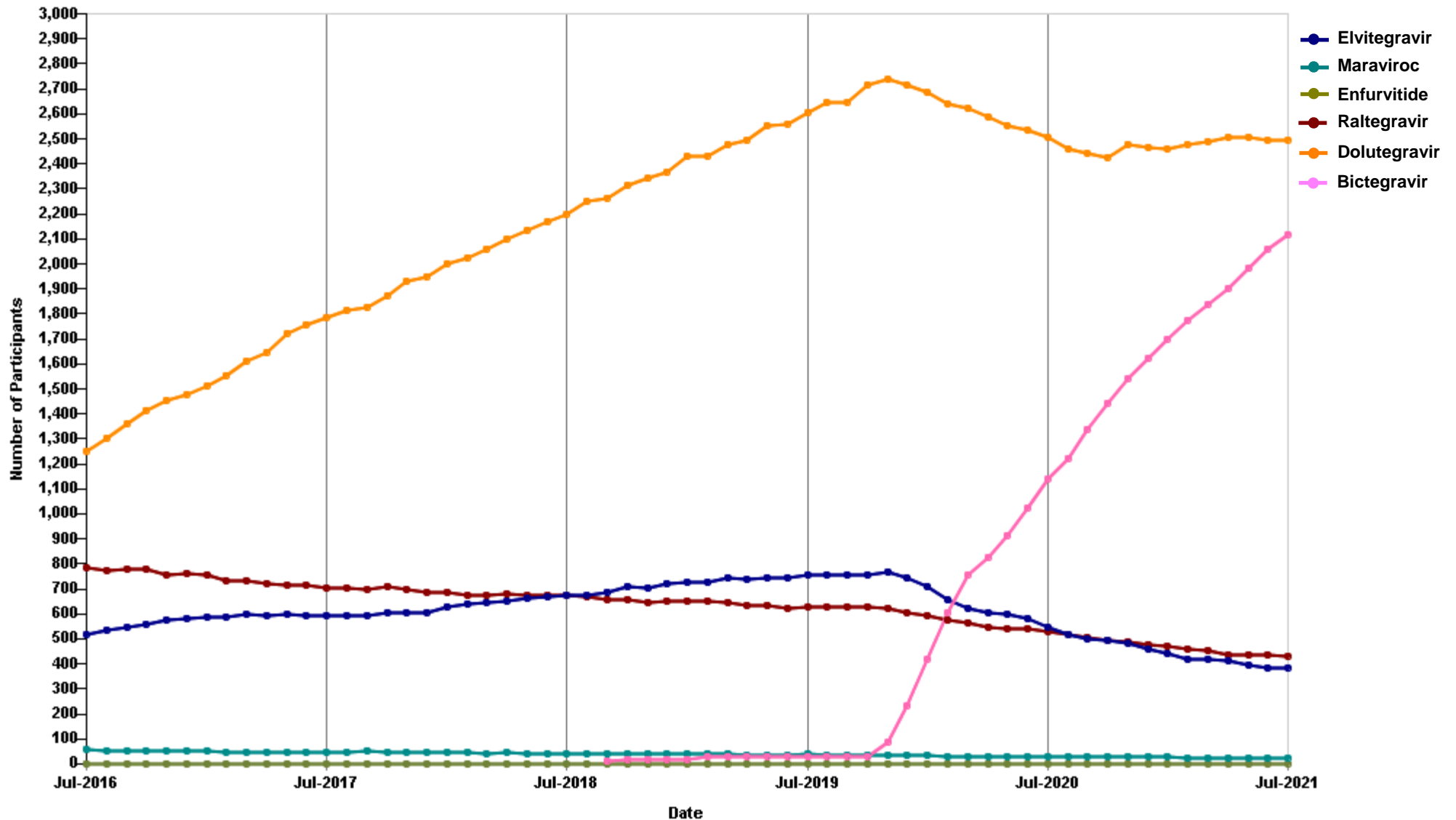
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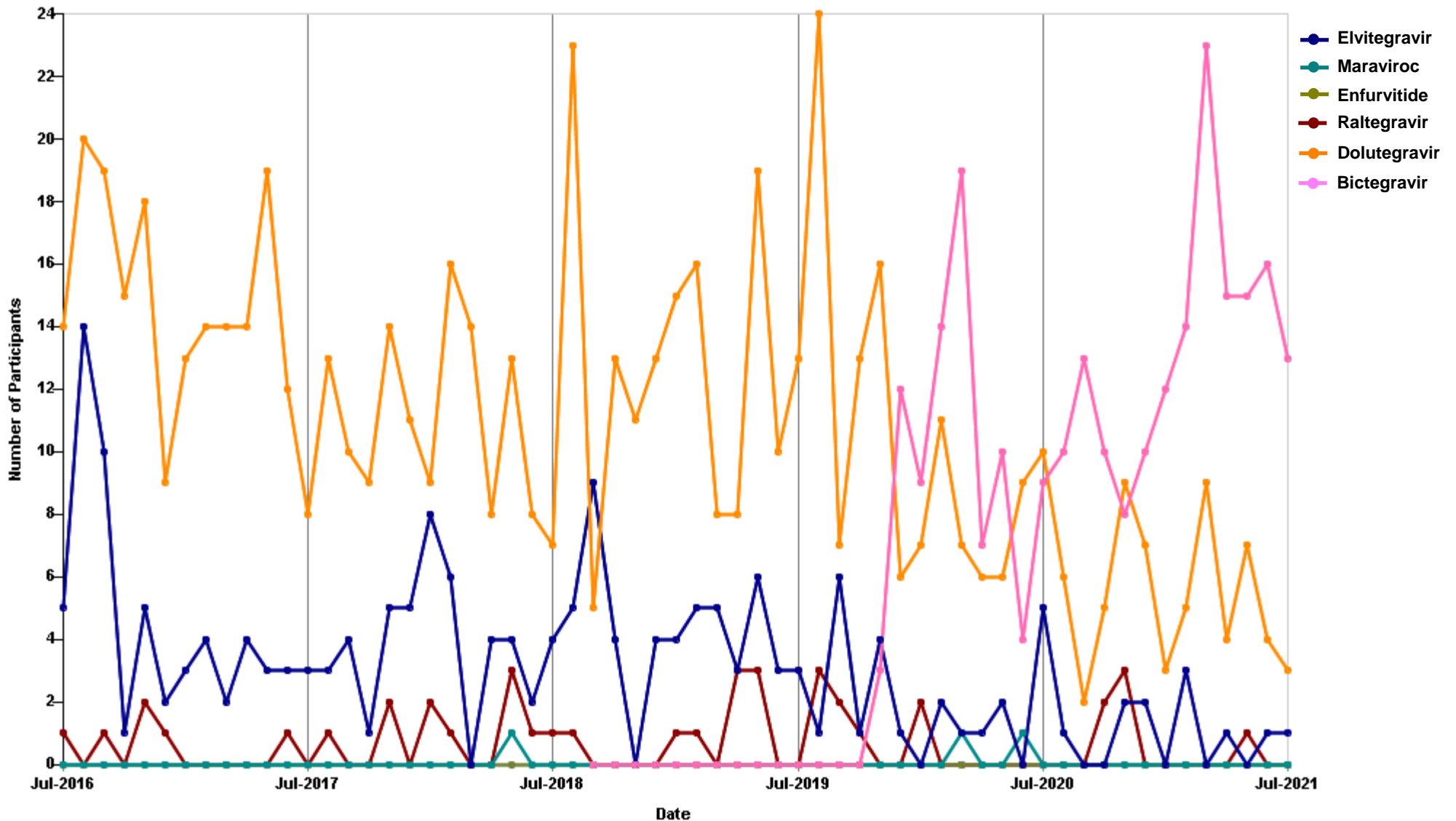
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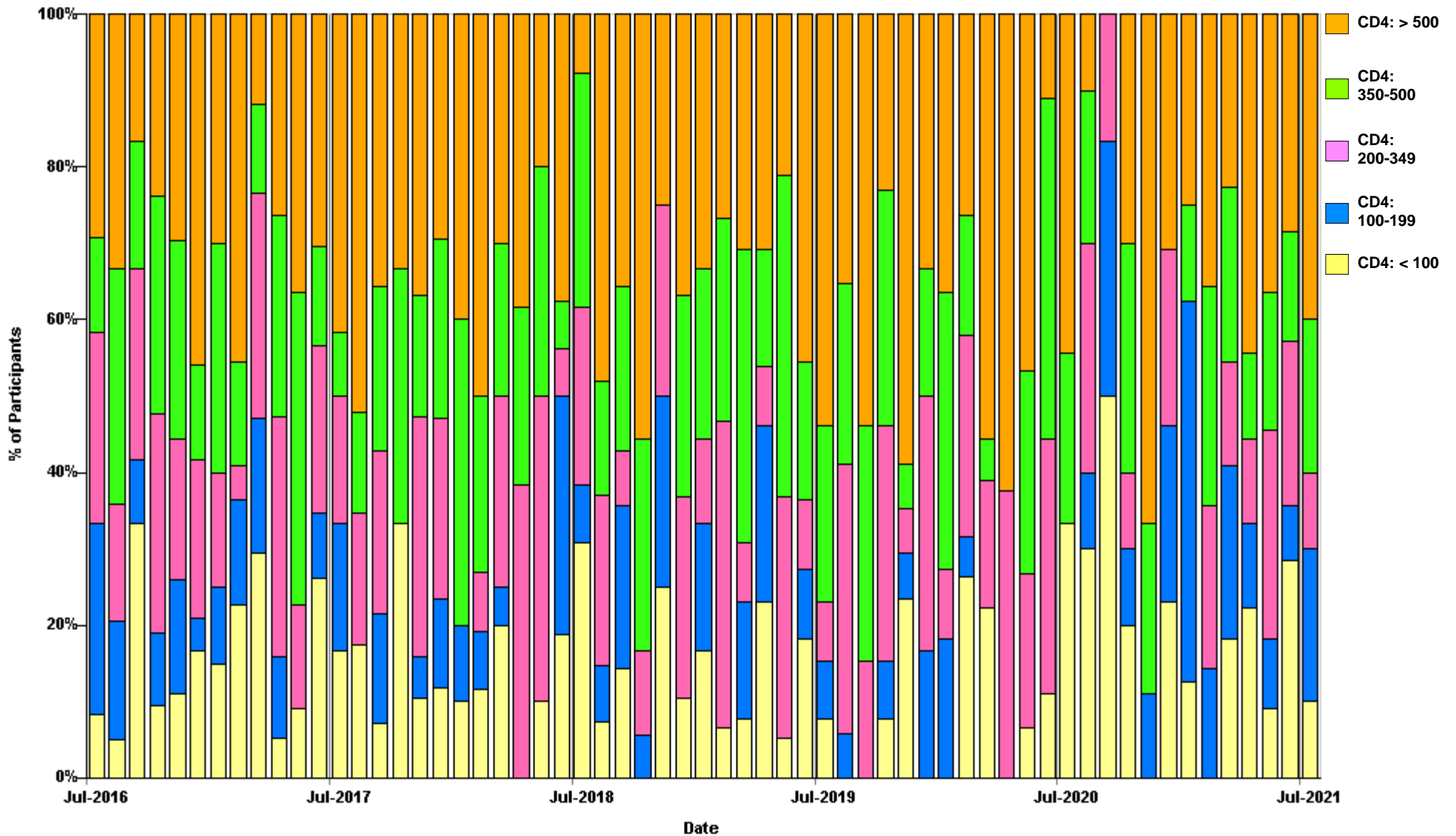
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(July 2016 - July 2021)



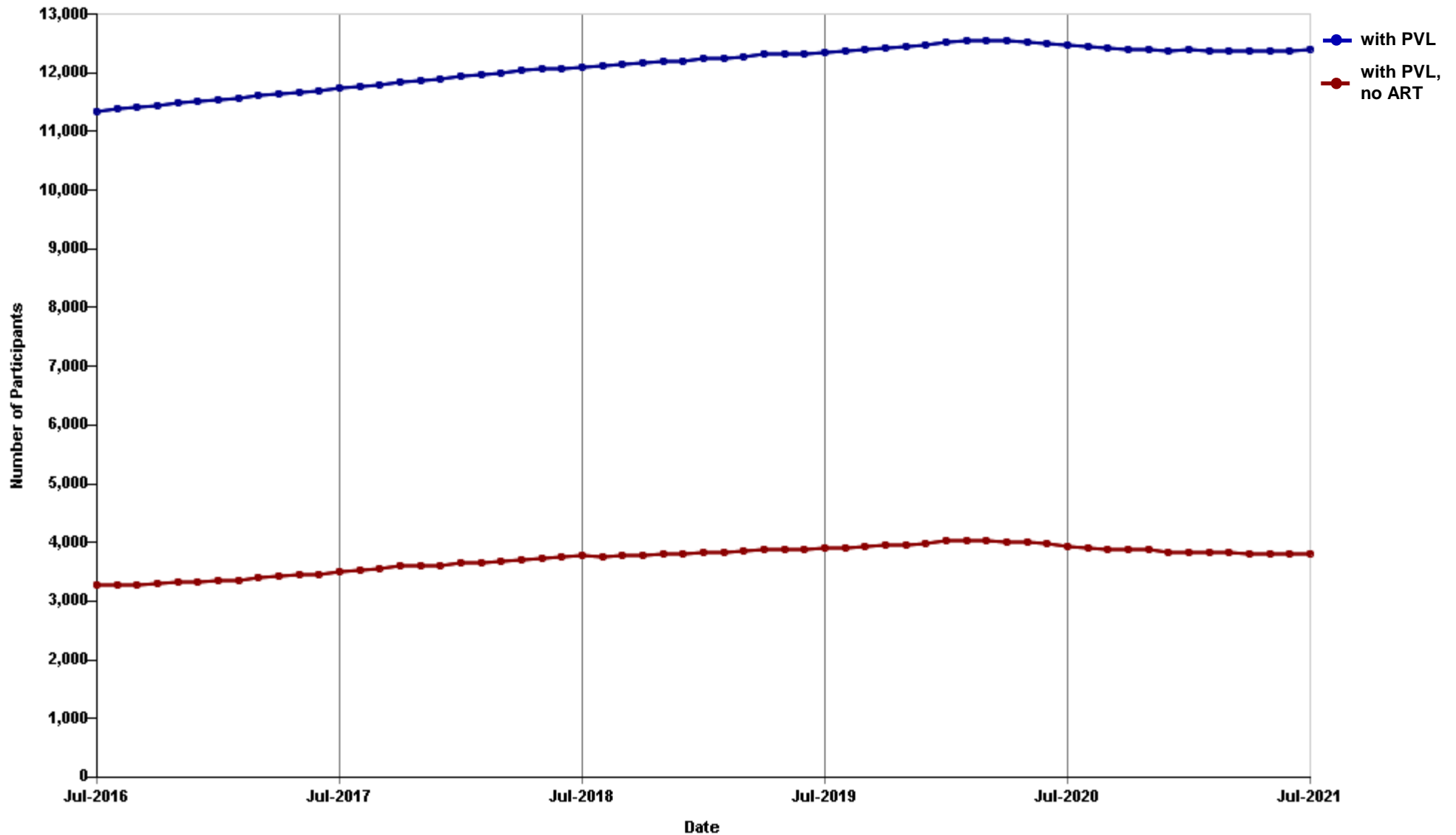


1.18 Baseline CD4 for Antiretroviral First Starts
(July 2016 - July 2021)



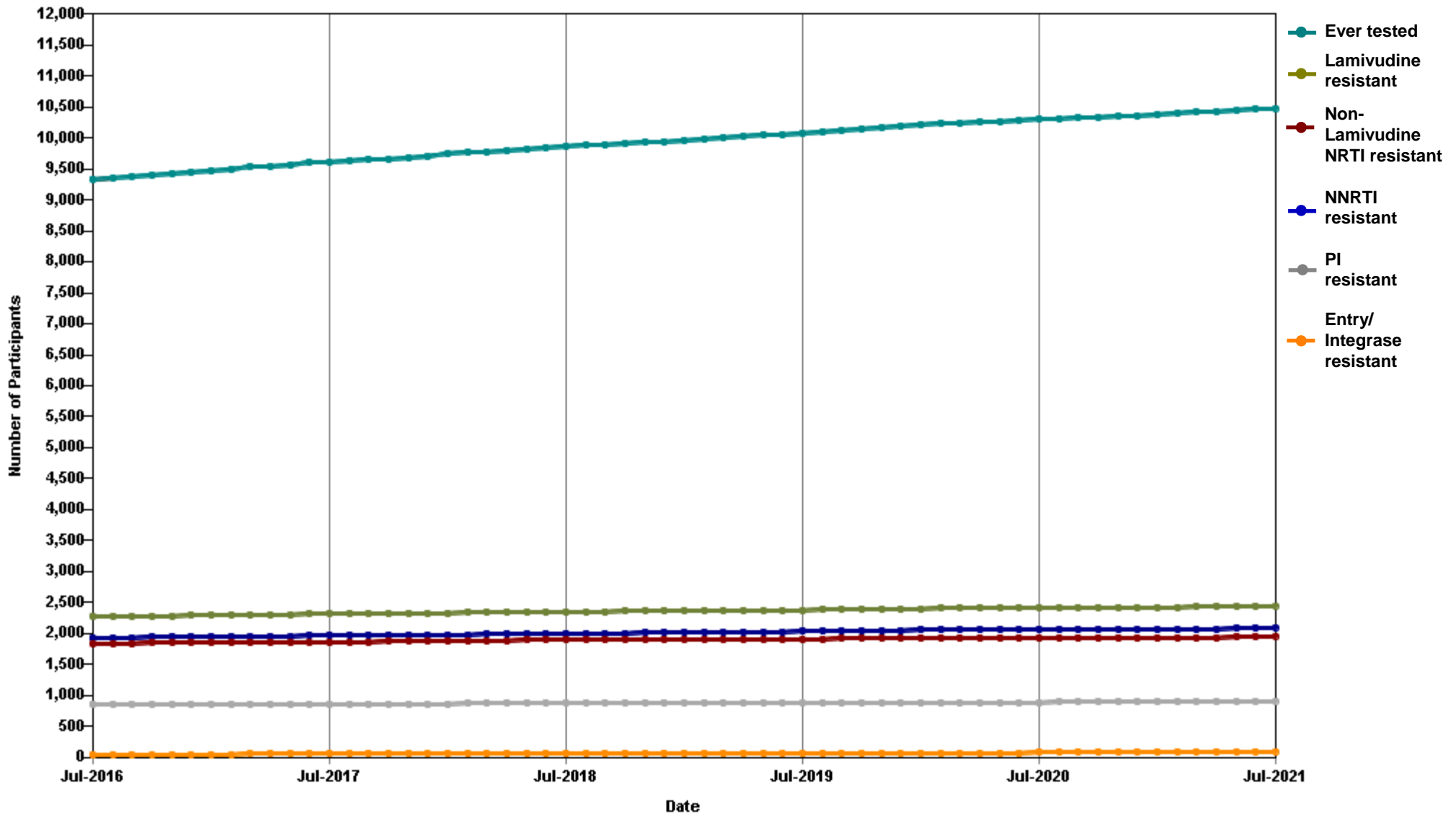


1.19 DTP Participants with PVL Measurement within previous five years, and never on ART (July 2016 - July 2021)



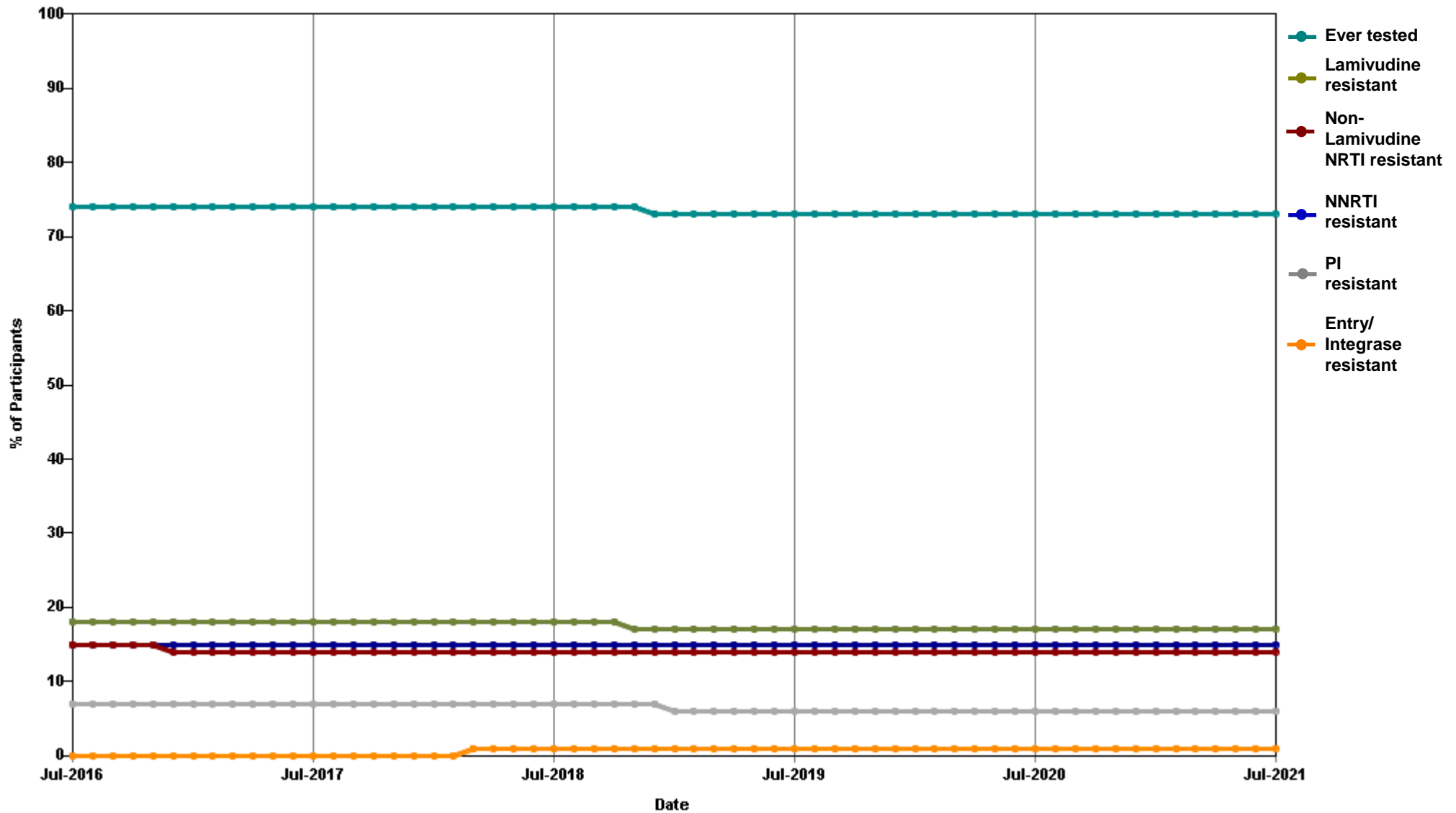


1.20 Cumulative Resistance Testing Results by Resistance Category (July 2016 - July 2021)





1.21 Percent of Participants ever on ARV - Resistance Testing Results by Resistance Category (July 2016 - July 2021)





**2.1 Duration of ARV treatment in the Province of BC, 1987-2021
(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	29	4	0	4	1	920	4	<40	4
1988	30	5	0	5	3	410	5	<40	3
1989	28	52	1	53	24	495	48	<40	3
1990	27	52	1	53	30	565	51	<40	3
1991	27	37	3	40	23	550	38	<40	3
1992	27	60	5	65	33	600	62	<40	3
1993	26	126	14	140	88	525	131	<40	3
1994	24	74	13	87	54	585	80	<40	3
1995	24	126	18	144	92	540	132	<40	3
1996	22	314	48	362	218	585	330	<40	3
1997	21	267	31	298	194	590	273	<40	3
1998	20	191	41	232	150	600	213	<40	3
1999	20	158	41	199	138	557	182	<40	3
2000	20	122	29	151	102	645	138	<40	3
2001	19	117	27	144	101	590	131	<40	3
2002	18	126	26	152	110	550	144	<40	3
2003	18	141	28	169	113	610	155	<40	3
2004	17	150	37	187	125	580	166	<40	3
2005	16	182	44	226	153	650	206	<40	3
2006	15	169	40	209	145	620	187	<40	3
2007	14	239	48	287	199	630	262	<40	3
2008	13	278	62	340	235	650	301	<40	3
2009	12	301	65	366	243	660	334	<40	3
2010	11	266	69	335	239	660	303	<40	3
2011	10	325	73	398	254	700	352	<40	3
2012	9	273	66	339	229	720	300	<40	3
2013	8	256	62	318	212	680	283	<40	3
2014	7	266	52	318	190	690	277	<40	3
2015	6	276	44	320	230	700	295	<40	3
2016	5	261	55	316	204	692	264	<40	3
2017	4	215	32	247	175	670	228	<40	3
2018	3	193	55	248	170	710	224	<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, 1987-2021
(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	2	232	41	273	204	635	249	<40	3
2020	1	193	54	247	184	665	229	<40	3
2021	0	143	28	171	150	550	169	<40	3
Total:		6190	1253	7443					

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-2020	7358	774	2227	<40	1729	610
FEB-2020	7329	776	1882	<40	1417	620
MAR-2020	7387	768	1628	<40	1207	620
APR-2020	7408	770	767	<40	577	600
MAY-2020	7397	776	1186	<40	892	600
JUN-2020	7368	784	1558	<40	1147	620
JUL-2020	7333	794	1918	<40	1437	610
AUG-2020	7254	791	1848	<40	1331	630
SEP-2020	7233	784	1735	<40	1242	620
OCT-2020	7266	776	1782	<40	1308	630
NOV-2020	7341	763	1858	<40	1283	610
DEC-2020	7349	752	1542	<40	1083	630
JAN-2021	7386	746	1942	<40	1382	630
FEB-2021	7376	748	1786	<40	1266	630
MAR-2021	7432	743	2017	<40	1408	628
APR-2021	7419	746	1828	<40	1303	638
MAY-2021	7451	746	1868	<40	1255	630
JUN-2021	7452	742	1877	<40	1254	616
JUL-2021	7456	745	1818	<40	1216	640

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-2020	635	185	70	354	46	435
FEB-2020	675	173	71	<40	58	480
MAR-2020	632	188	50	<40	32	415
APR-2020	611	204	28	116	22	555
MAY-2020	630	187	42	<50	30	490
JUN-2020	662	181	56	<40	46	480
JUL-2020	729	161	72	<40	56	625
AUG-2020	819	142	75	<40	65	470
SEP-2020	871	137	93	<40	71	610
OCT-2020	865	178	87	<40	75	570
NOV-2020	793	192	78	<40	62	510
DEC-2020	796	187	65	<40	55	420
JAN-2021	780	206	73	<40	55	510
FEB-2021	796	199	70	<40	56	510
MAR-2021	780	251	88	<40	70	630
APR-2021	811	260	73	<40	58	615
MAY-2021	794	274	73	<40	64	525
JUN-2021	796	264	68	<50	47	540
JUL-2021	802	275	55	<50	37	530

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-2020	7328	635	10	12	183	155	18	13903
FEB-2020	7295	675	12	19	141	172	-33	13939
MAR-2020	7358	632	14	23	210	152	63	13975
APR-2020	7382	611	12	8	158	127	24	14000
MAY-2020	7375	630	10	15	130	135	-7	14025
JUN-2020	7345	662	9	9	125	149	-30	14042
JUL-2020	7308	729	15	12	160	189	-37	14074
AUG-2020	7222	819	18	11	168	240	-86	14094
SEP-2020	7193	871	19	9	228	241	-29	14115
OCT-2020	7227	865	20	13	223	175	34	14136
NOV-2020	7311	793	12	12	244	155	84	14162
DEC-2020	7327	796	10	13	205	189	16	14191
JAN-2021	7365	780	14	10	203	159	38	14211
FEB-2021	7355	796	15	14	184	192	-10	14235
MAR-2021	7410	780	15	24	203	155	55	14272
APR-2021	7399	811	13	9	166	171	-11	14297
MAY-2021	7425	794	14	15	177	148	26	14326
JUN-2021	7440	796	6	15	184	176	15	14352
JUL-2021	7443	802	8	13	168	170	3	14373

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-2020	60	6758	484	56	7358	0.82%	91.85%	6.58%	0.76%	100.00%
FEB-2020	59	6735	477	58	7329	0.81%	91.90%	6.51%	0.79%	100.00%
MAR-2020	60	6790	487	50	7387	0.81%	91.92%	6.59%	0.68%	100.00%
APR-2020	61	6814	483	50	7408	0.82%	91.98%	6.52%	0.67%	100.00%
MAY-2020	60	6806	481	50	7397	0.81%	92.01%	6.50%	0.68%	100.00%
JUN-2020	59	6774	484	51	7368	0.80%	91.94%	6.57%	0.69%	100.00%
JUL-2020	61	6753	471	48	7333	0.83%	92.09%	6.42%	0.65%	100.00%
AUG-2020	70	6676	457	51	7254	0.96%	92.03%	6.30%	0.70%	100.00%
SEP-2020	85	6640	456	52	7233	1.18%	91.80%	6.30%	0.72%	100.00%
OCT-2020	107	6646	462	51	7266	1.47%	91.47%	6.36%	0.70%	100.00%
NOV-2020	162	6674	456	49	7341	2.21%	90.91%	6.21%	0.67%	100.00%
DEC-2020	180	6659	461	49	7349	2.45%	90.61%	6.27%	0.67%	100.00%
JAN-2021	205	6683	452	46	7386	2.78%	90.48%	6.12%	0.62%	100.00%
FEB-2021	226	6651	448	51	7376	3.06%	90.17%	6.07%	0.69%	100.00%
MAR-2021	249	6669	463	51	7432	3.35%	89.73%	6.23%	0.69%	100.00%
APR-2021	275	6646	454	44	7419	3.71%	89.58%	6.12%	0.59%	100.00%
MAY-2021	299	6639	465	48	7451	4.01%	89.10%	6.24%	0.64%	100.00%
JUN-2021	326	6607	472	47	7452	4.37%	88.66%	6.33%	0.63%	100.00%
JUL-2021	354	6585	471	46	7456	4.75%	88.32%	6.32%	0.62%	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		tenofovir <TAF>		tenofovir <TDF>		emtricitabine	
	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All
JAN-2020	2 8%	3402 47%	2 8%	3226 45%	0 0%	34 0%	0 0%	1 0%	9 38%	1024 14%	13 54%	2963 41%	22 92%	3763 52%
FEB-2020	3 8%	3351 47%	3 8%	3179 45%	0 0%	33 0%	0 0%	1 0%	16 44%	1169 16%	17 47%	2825 40%	33 92%	3781 53%
MAR-2020	5 14%	3325 46%	5 14%	3160 44%	1 3%	34 0%	0 0%	1 0%	20 56%	1326 18%	11 31%	2719 38%	30 83%	3855 54%
APR-2020	6 24%	3298 46%	5 20%	3137 43%	1 4%	35 0%	0 0%	0 0%	8 32%	1402 19%	11 44%	2637 37%	19 76%	3888 54%
MAY-2020	1 4%	3272 45%	0 0%	3111 43%	0 0%	36 0%	0 0%	0 0%	13 54%	1481 21%	11 46%	2595 36%	23 96%	3914 54%
JUN-2020	5 29%	3242 45%	5 29%	3080 43%	0 0%	33 0%	0 0%	0 0%	4 24%	1585 22%	8 47%	2517 35%	12 71%	3921 55%
JUL-2020	6 19%	3199 45%	4 13%	3039 42%	2 6%	32 0%	0 0%	0 0%	14 44%	1695 24%	12 38%	2420 34%	26 81%	3942 55%
AUG-2020	3 15%	3149 45%	2 10%	2990 42%	0 0%	31 0%	0 0%	0 0%	11 55%	1759 25%	6 30%	2313 33%	17 85%	3913 55%
SEP-2020	3 14%	3121 44%	2 10%	2960 42%	0 0%	31 0%	0 0%	0 0%	13 62%	1868 26%	5 24%	2224 32%	18 86%	3927 56%
OCT-2020	2 10%	3122 44%	2 10%	2945 42%	0 0%	29 0%	0 0%	0 0%	12 57%	1971 28%	7 33%	2135 30%	19 90%	3961 56%
NOV-2020	7 27%	3165 44%	3 12%	2935 41%	1 4%	30 0%	0 0%	0 0%	11 42%	2063 29%	8 31%	2077 29%	19 73%	3990 56%
DEC-2020	3 10%	3152 44%	3 10%	2896 40%	0 0%	29 0%	0 0%	0 0%	14 48%	2145 30%	12 41%	2020 28%	26 90%	4012 56%
JAN-2021	2 10%	3154 44%	1 5%	2881 40%	0 0%	28 0%	0 0%	0 0%	12 60%	2221 31%	6 30%	1962 27%	18 90%	4046 56%
FEB-2021	2 8%	3134 43%	2 8%	2842 39%	0 0%	27 0%	0 0%	0 0%	16 67%	2298 32%	6 25%	1899 26%	22 92%	4061 56%
MAR-2021	8 22%	3139 43%	7 19%	2831 39%	0 0%	24 0%	0 0%	0 0%	23 62%	2368 33%	6 16%	1859 26%	29 78%	4112 57%
APR-2021	2 8%	3138 43%	2 8%	2803 39%	0 0%	25 0%	0 0%	0 0%	17 68%	2422 33%	6 24%	1792 25%	23 92%	4105 57%
MAY-2021	7 24%	3148 43%	3 10%	2782 38%	0 0%	22 0%	0 0%	0 0%	15 52%	2498 34%	10 34%	1759 24%	22 76%	4132 57%
JUN-2021	4 15%	3133 43%	3 12%	2737 38%	0 0%	23 0%	0 0%	0 0%	17 65%	2575 35%	5 19%	1698 23%	22 85%	4153 57%
JUL-2021	3 14%	3120 43%	2 10%	2701 37%	0 0%	23 0%	0 0%	0 0%	14 67%	2629 36%	4 19%	1655 23%	18 86%	4169 57%

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		ritonavir		saquinavir		tipranavir	
	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All
JAN-2020	0 0%	2 0%	0 0%	910 37%	6 86%	1466 59%	1 14%	96 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
FEB-2020	0 0%	2 0%	1 11%	873 36%	8 89%	1454 60%	0 0%	96 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
MAR-2020	0 0%	2 0%	1 10%	860 36%	9 90%	1434 60%	0 0%	93 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
APR-2020	0 0%	2 0%	0 0%	838 36%	4 80%	1412 60%	1 20%	93 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 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%	6 0%	0 0%	0 0%
JUN-2020	0 0%	2 0%	2 33%	812 35%	4 67%	1386 61%	0 0%	86 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
JUL-2020	0 0%	1 0%	0 0%	779 35%	8 100%	1359 61%	0 0%	81 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
AUG-2020	0 0%	1 0%	1 20%	749 35%	4 80%	1327 62%	0 0%	79 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
SEP-2020	0 0%	0 0%	1 33%	734 35%	2 67%	1298 61%	0 0%	79 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
OCT-2020	0 0%	0 0%	0 0%	711 34%	6 100%	1281 62%	0 0%	77 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
NOV-2020	0 0%	1 0%	0 0%	694 34%	3 100%	1270 62%	0 0%	77 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
DEC-2020	0 0%	1 0%	1 8%	677 33%	11 92%	1286 63%	0 0%	76 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
JAN-2021	0 0%	1 0%	0 0%	655 32%	5 100%	1297 64%	0 0%	71 4%	0 0%	1 0%	0 0%	6 0%	0 0%	1 0%
FEB-2021	0 0%	1 0%	0 0%	643 33%	5 100%	1262 64%	0 0%	71 4%	0 0%	1 0%	0 0%	5 0%	0 0%	1 0%
MAR-2021	0 0%	1 0%	1 25%	621 32%	3 75%	1261 65%	0 0%	73 4%	0 0%	1 0%	0 0%	5 0%	0 0%	1 0%
APR-2021	0 0%	1 0%	0 0%	595 31%	4 100%	1230 65%	0 0%	72 4%	0 0%	1 0%	0 0%	2 0%	0 0%	1 0%
MAY-2021	0 0%	1 0%	0 0%	589 31%	4 100%	1239 65%	0 0%	69 4%	0 0%	1 0%	0 0%	1 0%	0 0%	1 0%
JUN-2021	0 0%	1 0%	0 0%	573 31%	4 80%	1222 66%	1 20%	69 4%	0 0%	1 0%	0 0%	1 0%	0 0%	1 0%
JUL-2021	0 0%	1 0%	0 0%	561 30%	6 100%	1216 66%	0 0%	67 4%	0 0%	1 0%	0 0%	0 0%	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-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%	536 36%	0 0%	193 13%	0 0%	452 30%	1 50%	305 21%
JUN-2020	0 0%	1 0%	2 100%	524 36%	0 0%	189 13%	0 0%	447 30%	0 0%	307 21%
JUL-2020	0 0%	3 0%	2 50%	507 35%	0 0%	184 13%	2 50%	438 31%	0 0%	305 21%
AUG-2020	1 100%	4 0%	0 0%	501 36%	0 0%	179 13%	0 0%	421 30%	0 0%	294 21%
SEP-2020	0 0%	5 0%	1 33%	476 35%	0 0%	174 13%	0 0%	409 30%	2 67%	293 22%
OCT-2020	0 0%	9 1%	1 100%	461 35%	0 0%	171 13%	0 0%	402 30%	0 0%	279 21%
NOV-2020	0 0%	10 1%	2 67%	451 35%	0 0%	171 13%	1 33%	393 30%	0 0%	279 21%
DEC-2020	0 0%	11 1%	2 67%	437 34%	0 0%	163 13%	0 0%	383 30%	1 33%	276 22%
JAN-2021	0 0%	11 1%	1 100%	426 34%	0 0%	164 13%	0 0%	379 30%	0 0%	272 22%
FEB-2021	0 0%	15 1%	0 0%	418 34%	0 0%	161 13%	0 0%	365 30%	0 0%	267 22%
MAR-2021	0 0%	21 2%	2 100%	419 34%	0 0%	162 13%	0 0%	365 30%	0 0%	266 22%
APR-2021	0 0%	20 2%	1 50%	409 34%	0 0%	155 13%	1 50%	359 30%	0 0%	260 22%
MAY-2021	1 20%	30 3%	3 60%	397 33%	0 0%	154 13%	0 0%	353 30%	1 20%	259 22%
JUN-2021	0 0%	41 4%	2 100%	379 32%	0 0%	155 13%	0 0%	345 30%	0 0%	252 22%
JUL-2021	0 0%	45 4%	1 100%	371 32%	0 0%	152 13%	0 0%	339 29%	0 0%	246 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-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%	2642 60%	2 7%	654 15%	0 0%	29 1%	0 0%	576 13%
MAR-2020	19 68%	755 17%	7 25%	2623 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%	2554 56%	2 11%	597 13%	0 0%	27 1%	0 0%	541 12%
JUN-2020	4 31%	1022 22%	9 69%	2537 55%	0 0%	582 13%	1 8%	28 1%	0 0%	538 12%
JUL-2020	9 38%	1140 24%	10 42%	2508 54%	5 21%	549 12%	0 0%	29 1%	0 0%	527 11%
AUG-2020	10 59%	1219 26%	6 35%	2458 52%	1 6%	517 11%	0 0%	29 1%	0 0%	520 11%
SEP-2020	13 87%	1336 28%	2 13%	2440 51%	0 0%	497 10%	0 0%	29 1%	0 0%	504 11%
OCT-2020	10 59%	1444 30%	5 29%	2425 50%	0 0%	493 10%	0 0%	30 1%	2 12%	493 10%
NOV-2020	8 36%	1540 31%	9 41%	2476 50%	2 9%	480 10%	0 0%	27 1%	3 14%	489 10%
DEC-2020	10 53%	1625 33%	7 37%	2466 49%	2 11%	459 9%	0 0%	27 1%	0 0%	477 10%
JAN-2021	12 80%	1698 34%	3 20%	2462 49%	0 0%	442 9%	0 0%	27 1%	0 0%	469 9%
FEB-2021	14 64%	1774 35%	5 23%	2475 48%	3 14%	420 8%	0 0%	24 0%	0 0%	457 9%
MAR-2021	23 72%	1839 35%	9 28%	2491 48%	0 0%	418 8%	0 0%	24 0%	0 0%	454 9%
APR-2021	15 75%	1901 36%	4 20%	2506 48%	1 5%	412 8%	0 0%	22 0%	0 0%	438 8%
MAY-2021	15 65%	1980 37%	7 30%	2508 47%	0 0%	397 7%	0 0%	22 0%	1 4%	438 8%
JUN-2021	16 76%	2058 38%	4 19%	2496 47%	1 5%	386 7%	0 0%	23 0%	0 0%	437 8%
JUL-2021	13 76%	2114 39%	3 18%	2494 46%	1 6%	381 7%	0 0%	23 0%	0 0%	428 8%

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 Category

MON-YYYY	Boosted PI + 2 N(t)RTIs		NNRTI + 2 N(t)RTIs		INSTI + 2 N(t)RTIs		2 drugs from 2 classes		IV 3 drugs from IV 3 classes		Other	
	n	%	n	%	n	%	n	%	n	%	n	%
JAN-2020	1617	21.98	1210	16.44	3562	48.41	55	0.75	761	10.34	153	2.08
FEB-2020	1573	21.46	1154	15.75	3643	49.71	55	0.75	757	10.33	147	2.01
MAR-2020	1540	20.85	1134	15.35	3755	50.83	57	0.77	759	10.27	142	1.92
APR-2020	1522	20.55	1129	15.24	3807	51.39	57	0.77	750	10.12	143	1.93
MAY-2020	1512	20.44	1111	15.02	3830	51.78	56	0.76	748	10.11	140	1.89
JUN-2020	1458	19.79	1084	14.71	3881	52.67	55	0.75	752	10.21	138	1.87
JUL-2020	1420	19.36	1058	14.43	3935	53.66	57	0.78	729	9.94	134	1.83
AUG-2020	1375	18.96	1026	14.14	3943	54.36	66	0.91	714	9.84	130	1.79
SEP-2020	1336	18.47	980	13.55	3998	55.27	79	1.09	710	9.82	130	1.80
OCT-2020	1308	18.00	964	13.27	4059	55.86	101	1.39	701	9.65	133	1.83
NOV-2020	1287	17.53	946	12.89	4129	56.25	159	2.17	697	9.49	123	1.68
DEC-2020	1272	17.31	924	12.57	4155	56.54	177	2.41	703	9.57	118	1.61
JAN-2021	1273	17.24	912	12.35	4193	56.77	202	2.73	693	9.38	113	1.53
FEB-2021	1232	16.70	894	12.12	4225	57.28	223	3.02	689	9.34	113	1.53
MAR-2021	1209	16.27	890	11.98	4274	57.51	246	3.31	707	9.51	106	1.43
APR-2021	1166	15.72	868	11.70	4321	58.24	273	3.68	690	9.30	101	1.36
MAY-2021	1146	15.38	858	11.52	4347	58.34	296	3.97	704	9.45	100	1.34
JUN-2021	1125	15.10	835	11.21	4363	58.55	324	4.35	706	9.47	99	1.33
JUL-2021	1104	14.81	823	11.04	4376	58.69	352	4.72	702	9.42	99	1.33

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

Regimen categories may contain a small number of participants with undetermined regimen, due to medication change(s) within the 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-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
SEP-2020	9	3	2	1	0	0	71
OCT-2020	13	2	1	1	3	3	381
NOV-2020	12	0	1	0	2	6	710
DEC-2020	13	3	3	3	0	4	260
JAN-2021	10	1	4	0	1	2	170
FEB-2021	14	0	2	3	4	5	365
MAR-2021	24	4	5	3	5	5	280
APR-2021	9	2	1	1	1	4	370
MAY-2021	15	1	1	3	2	4	480
JUN-2021	15	4	1	3	2	4	289
JUL-2021	13	1	2	1	2	4	445

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-2020	12526	4022
FEB-2020	12557	4039
MAR-2020	12558	4030
APR-2020	12536	4006
MAY-2020	12526	3994
JUN-2020	12503	3971
JUL-2020	12480	3938
AUG-2020	12448	3914
SEP-2020	12411	3886
OCT-2020	12389	3874
NOV-2020	12403	3875
DEC-2020	12380	3836
JAN-2021	12389	3838
FEB-2021	12381	3832
MAR-2021	12379	3821
APR-2021	12368	3808
MAY-2021	12363	3796
JUN-2021	12366	3791
JUL-2021	12389	3810

Definitions:

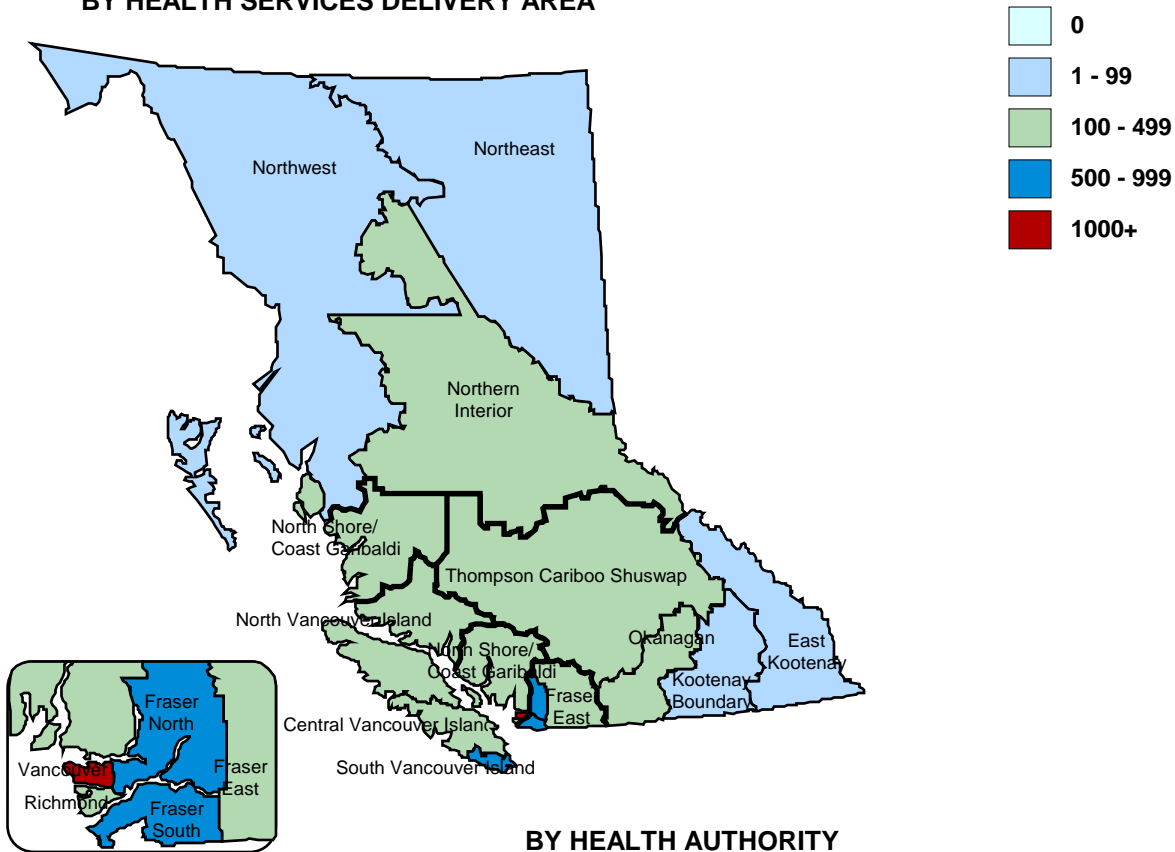
Patients with PVL test are defined as having at least one PVL test within previous five years, and not reported deceased/moved
Never on ART are subset of patients with PVL test, and not being treated with ARVs on or before specified month



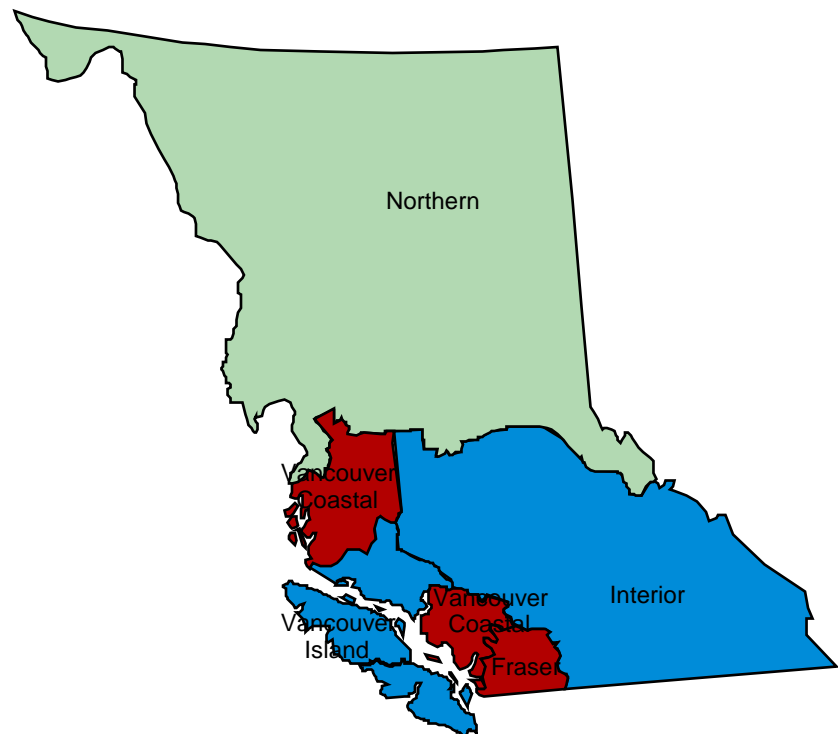


3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants N = 7456
Jul-2021

BY HEALTH SERVICES DELIVERY AREA



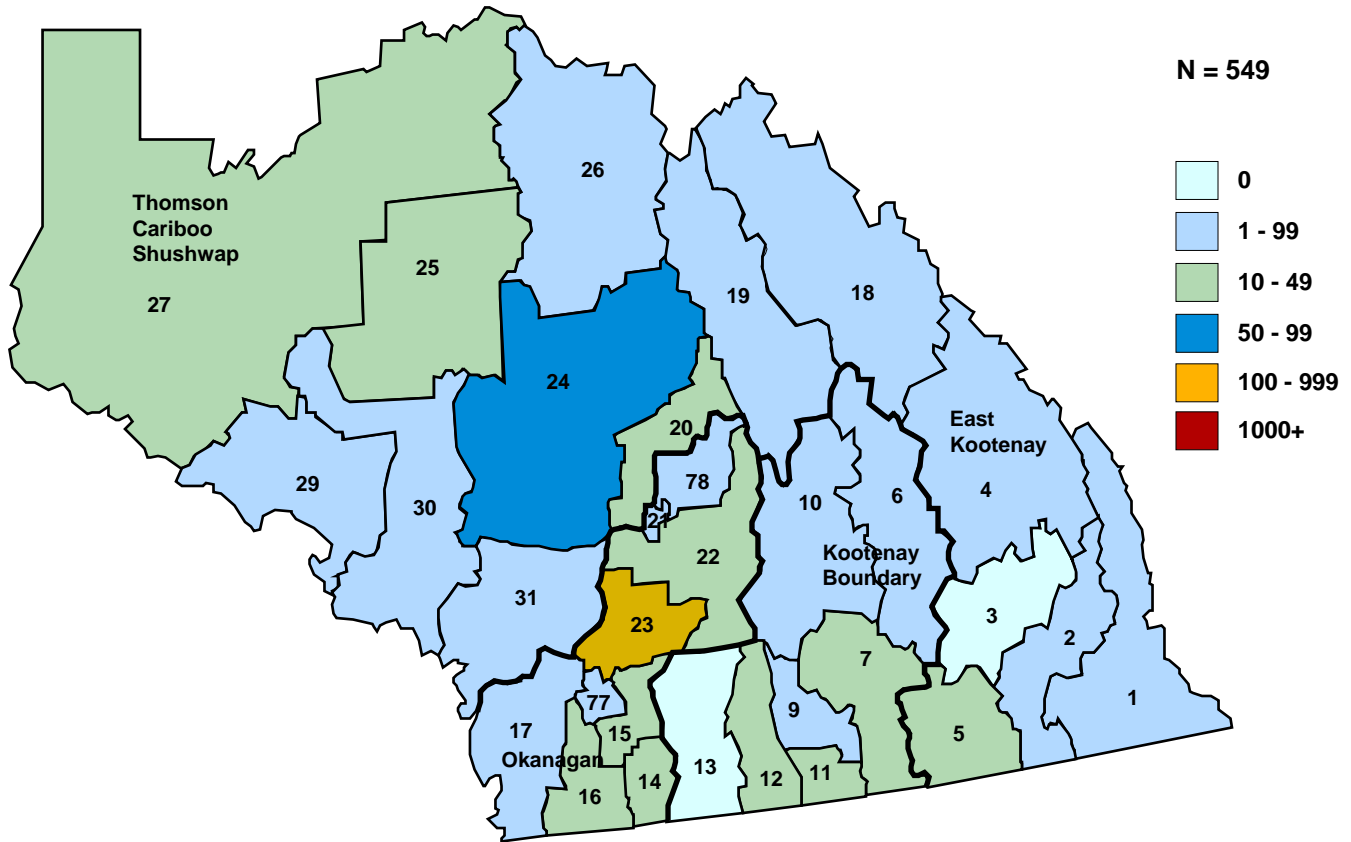
BY HEALTH AUTHORITY



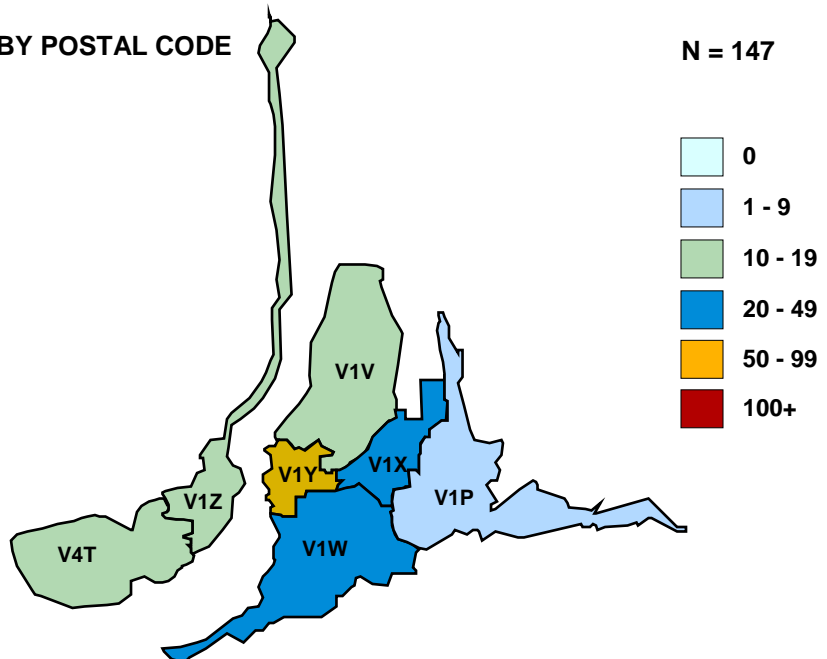


3.2 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Jul-2021

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



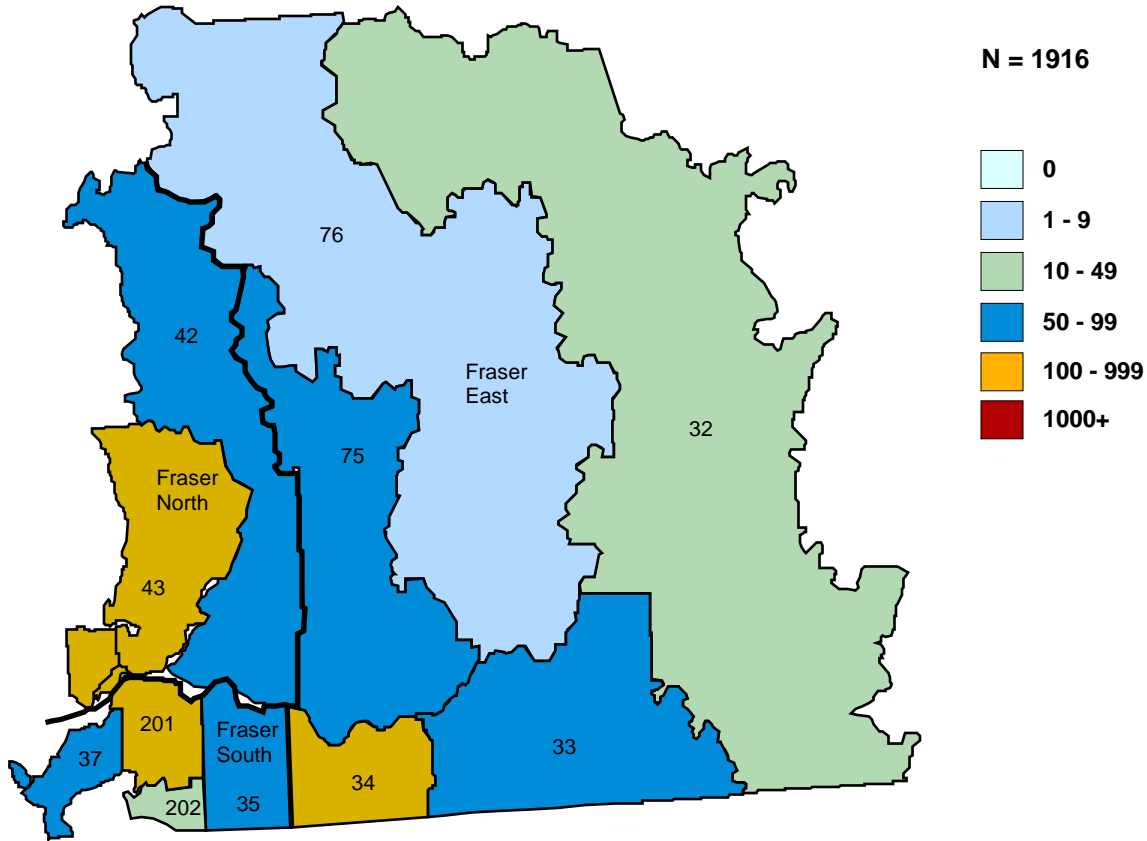
KELOWNA BY POSTAL CODE



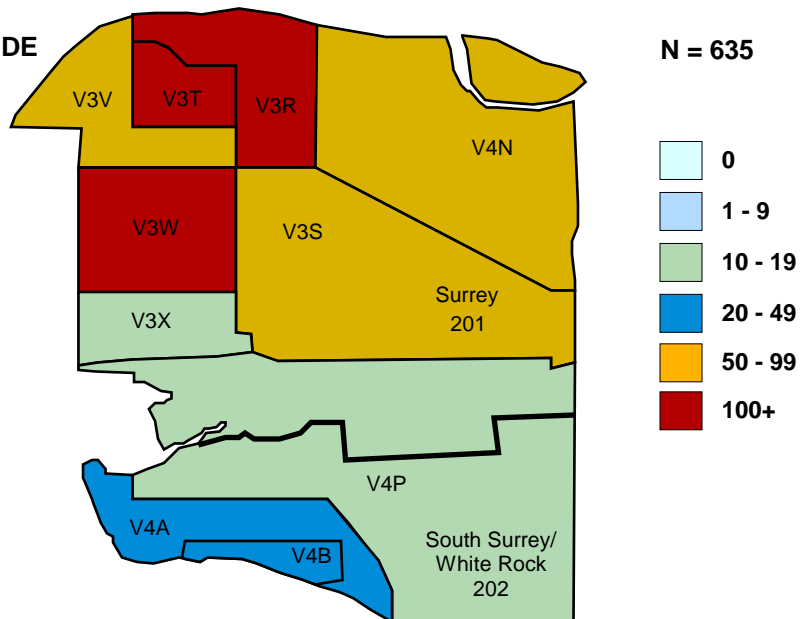


3.3 Distribution of HIV/AIDS Drug Treatment Program Active Participant Jul-2021

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



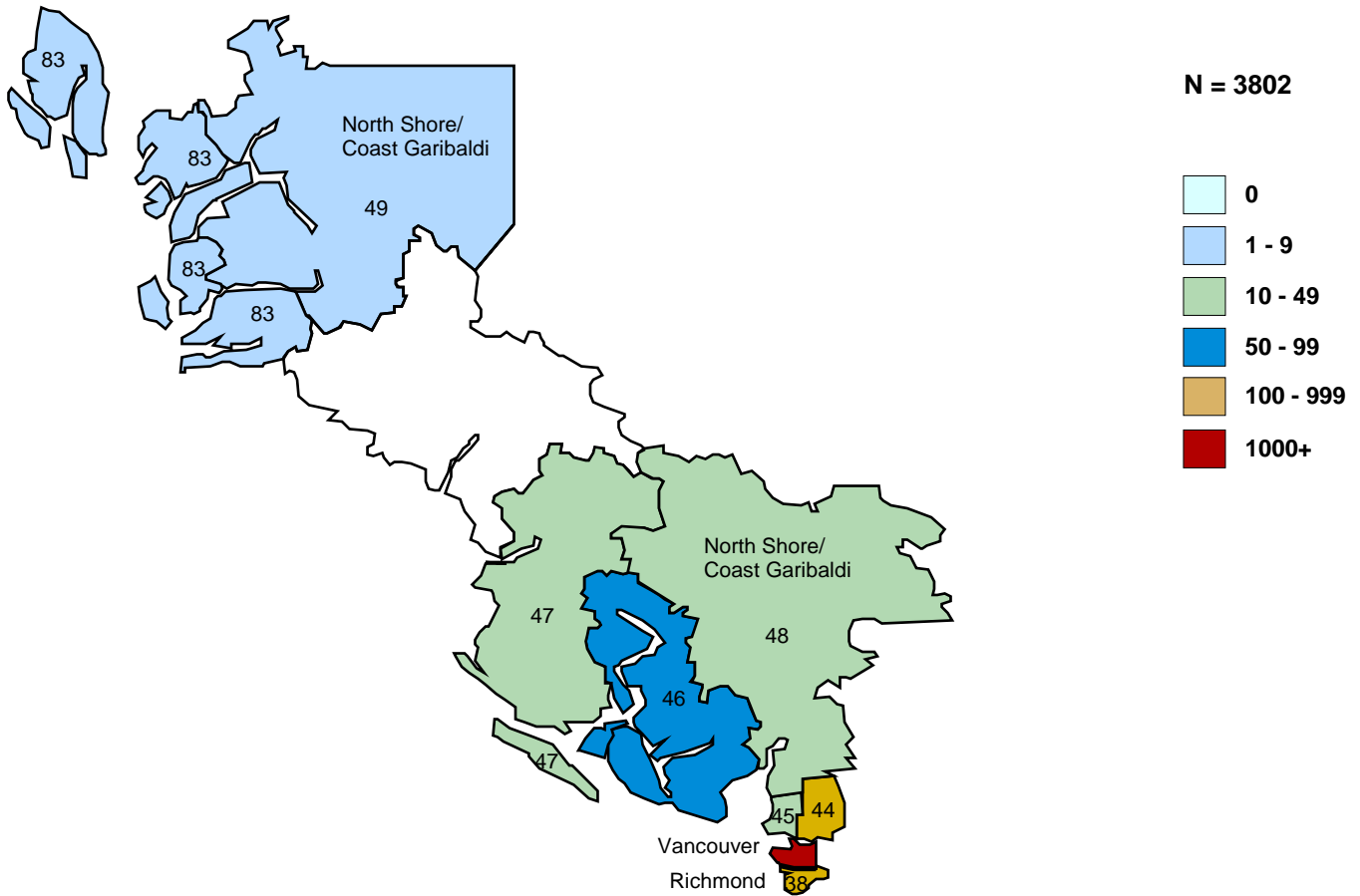
SURREY BY POSTAL CODE



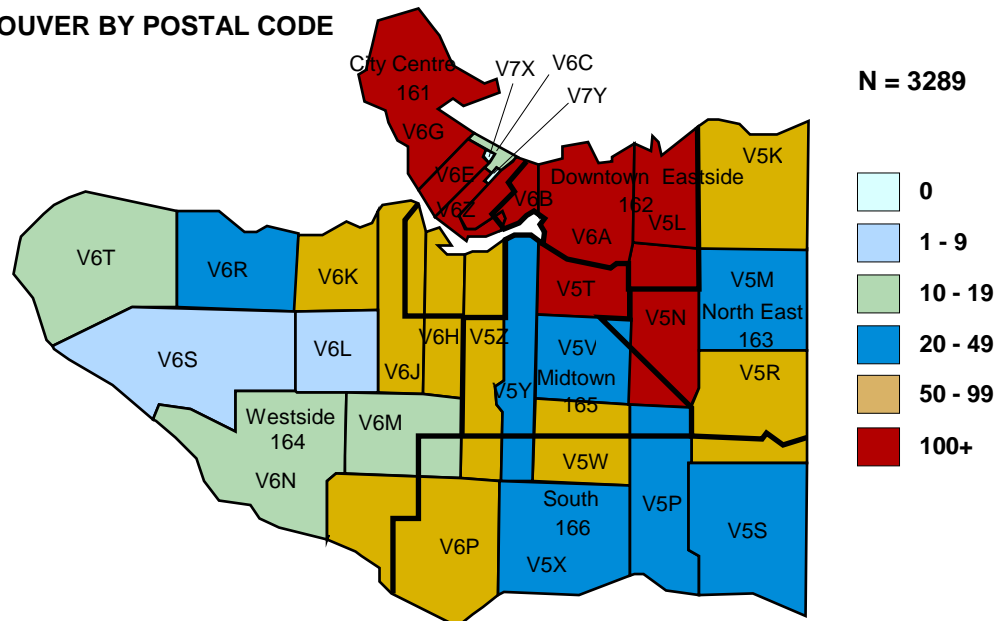


3.4 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Jul-2021

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



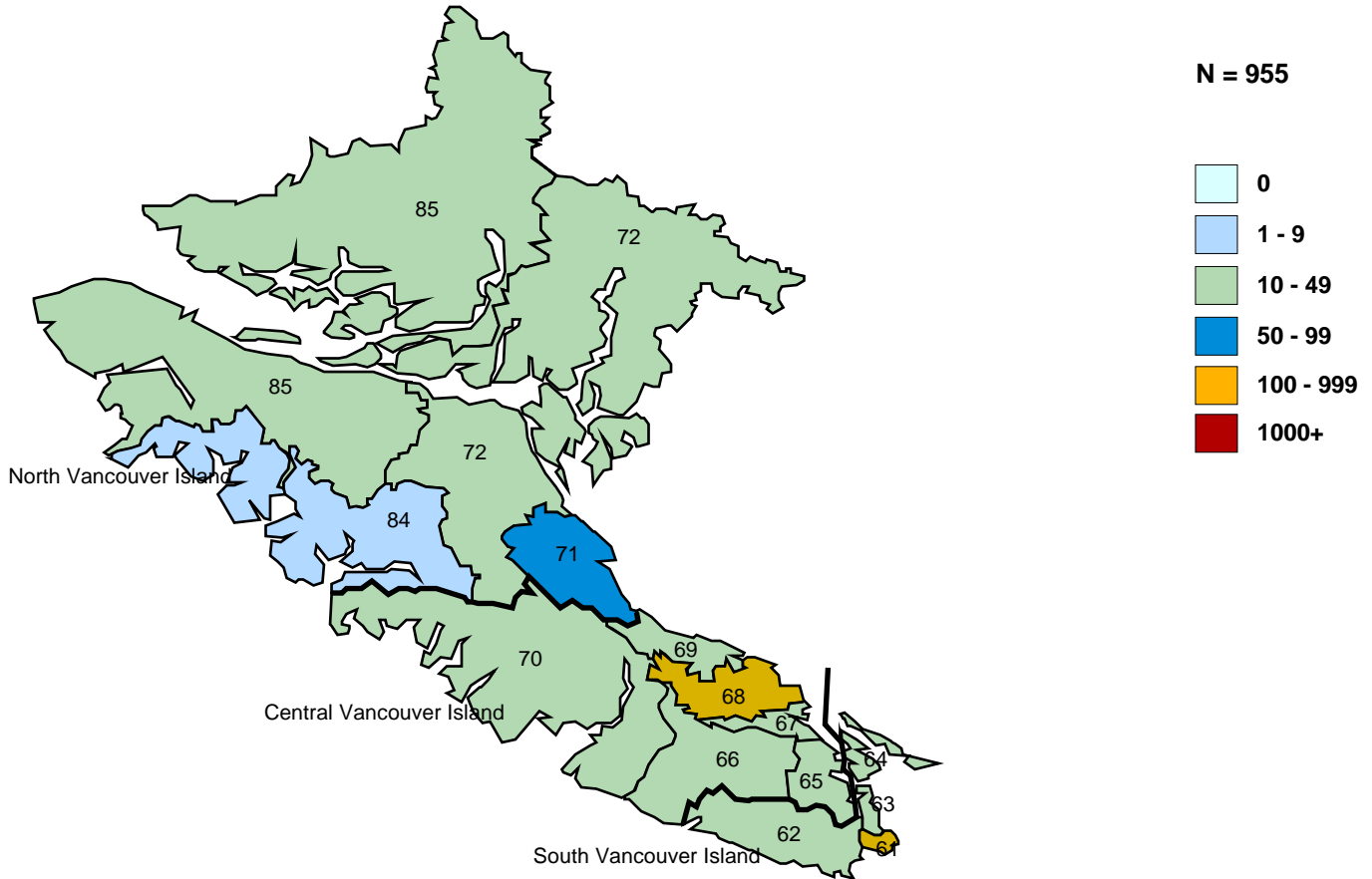
VANCOUVER BY POSTAL CODE



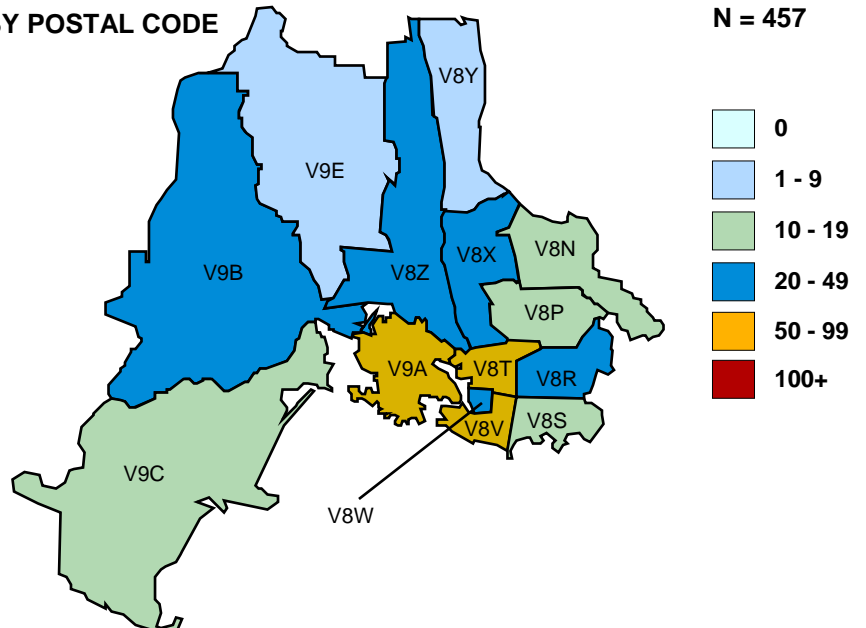


3.5 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Jul-2021

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



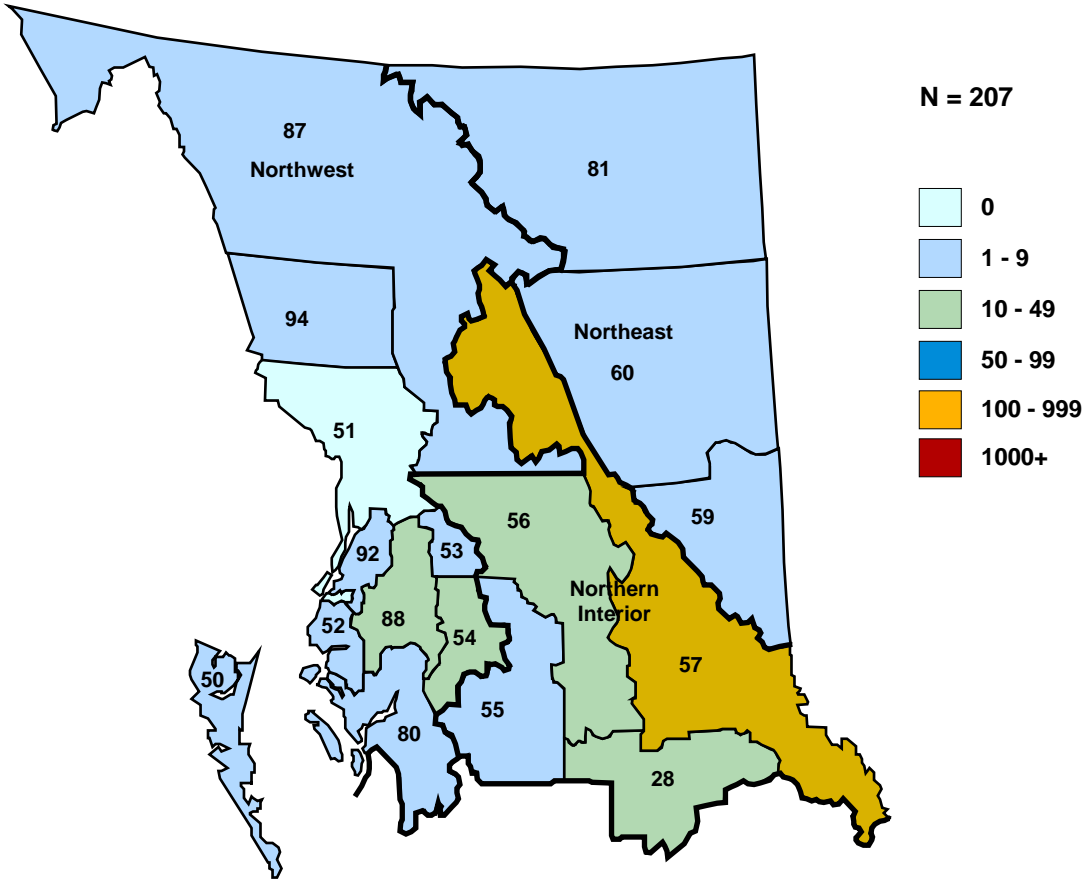
VICTORIA BY POSTAL CODE



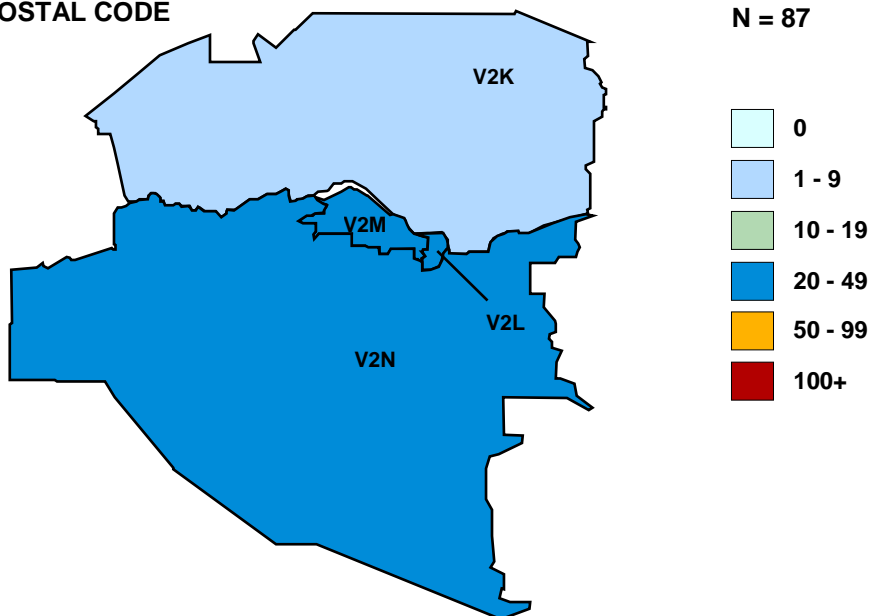


3.6 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Jul-2021

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	10	11	*
	50+	29	41	*
	Total HSDA:	45	58	30
KOOTENAY BOUNDARY	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	75	100	59	
OKANAGAN	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	397	538	307	
THOMPSON/CARIBOO/ SHUSWAP	20-34	19	19	11
	35-49	68	74	48
	50+	116	188	94
	Total HSDA:	203	281	153
Total HA:		720	977	549

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		720	977	549

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	579	784	446
Female	141	193	103

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	549	56	620	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	23	13
	5 years or more	12	8
	<5 years	10	9
	Total HSDA:	45	30
KOOTENAY BOUNDARY	10 years or more	50	37
	5 years or more	15	12
	<5 years	10	10
	Total HSDA:	75	59
OKANAGAN	10 years or more	253	187
	5 years or more	87	72
	<5 years	57	48
	Total HSDA:	397	307
THOMPSON/CARIBOO/ SHUSWAP	10 years or more	125	99
	5 years or more	42	31
	<5 years	36	23
	Total HSDA:	203	153
Total HA:		720	549

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	451	336
5 years or more	156	123
<5 years	113	90
Total HA:	720	549

* 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	51	68	14	27
KOOTENAY BOUNDARY	76	128	24	49
OKANAGAN	228	967	57	292
THOMPSON/CARIBOO/SHUSWAP	141	533	37	129
Total:	496	1696	132	497

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
EAST KOOTENAY	*
KOOTENAY BOUNDARY	*
OKANAGAN	*
THOMPSON/CARIBOO/SHUSWAP	*
Total:	106

* 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	31	33	28
	35-49	102	108	68
	50+	243	333	181
	Total HSDA:		382	480
FRASER NORTH	20-34	119	119	76
	35-49	347	371	255
	50+	611	969	477
	Total HSDA:		1077	1459
FRASER SOUTH	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		1016	1343
Total HA:		2475	3282	1916

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	10	10	10
	20-34	268	272	191
	35-49	757	822	573
	50+	1440	2178	1142
Total HA:		2475	3282	1916

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	1869	2510	1464
Female	606	772	452

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	1916	52	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)





**4.5 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	234	177
	5 years or more	84	60
	<5 years	64	46
	Total HSDA:	382	283
FRASER NORTH	10 years or more	642	457
	5 years or more	242	196
	<5 years	193	155
	Total HSDA:	1077	808
FRASER SOUTH	10 years or more	617	491
	5 years or more	213	170
	<5 years	186	164
	Total HSDA:	1016	825
Total HA:		2475	1916

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	1493	1125
	5 years or more	539	426
	<5 years	443	365
Total HA:		2475	1916

* 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	141	509	29	57
FRASER NORTH	256	1601	48	217
FRASER SOUTH	223	1650	51	503
Total:	620	3760	128	777

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
FRASER EAST	189
FRASER NORTH	659
FRASER SOUTH	455
Total:	1303

* 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:		350	507
RICHMOND	20-34	33	34	21
	35-49	43	45	34
	50+	111	160	91
	Total HSDA:	187	239	146
VANCOUVER	0-19	9	9	8
	20-34	429	446	280
	35-49	1322	1469	949
	50+	2932	5094	2131
	Total HSDA:	4692	7018	3368
Total HA:		5229	7764	3802

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	12	12	11
	20-34	488	506	320
	35-49	1452	1609	1050
	50+	3277	5637	2421
Total HA:		5229	7764	3802

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Unknown	2	2	0
Male	4618	6814	3355
Female	609	948	447

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	3802	55	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	202	165
	5 years or more	81	69
	<5 years	67	54
	Total HSDA:	350	288
RICHMOND	10 years or more	112	85
	5 years or more	33	26
	<5 years	42	35
	Total HSDA:	187	146
VANCOUVER	10 years or more	3052	2111
	5 years or more	960	716
	<5 years	680	541
	Total HSDA:	4692	3368
Total HA:		5229	3802

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	3366	2361
	5 years or more	1074	811
	<5 years	789	630
Total HA:		5229	3802

* 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	180	408	54	83
RICHMOND	43	294	8	90
VANCOUVER	648	11153	217	5343
Total:	871	11855	279	5516

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH SHORE/COAST GARIBALDI	*
RICHMOND	*
VANCOUVER	*
Total:	79

* 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:		342	492
NORTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		124	170
SOUTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		769	1095
Total HA:		1235	1757	955

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	6	6	5
	20-34	119	128	81
	35-49	286	332	228
	50+	824	1291	641
Total HA:		1235	1757	955

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	1017	1447	787
Female	218	310	168

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	955	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	201	160
	5 years or more	72	58
	<5 years	69	56
	Total HSDA:	342	274
NORTH VANCOUVER ISLAND	10 years or more	81	67
	5 years or more	26	17
	<5 years	17	17
	Total HSDA:	124	101
SOUTH VANCOUVER ISLAND	10 years or more	455	319
	5 years or more	160	131
	<5 years	154	130
	Total HSDA:	769	580
Total HA:		1235	955

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	737	546
	5 years or more	258	206
	<5 years	240	203
Total HA:		1235	955

* 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	204	901	76	201
NORTH VANCOUVER ISLAND	152	273	47	75
SOUTH VANCOUVER ISLAND	217	1860	41	561
Total:	573	3034	164	837

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
CENTRAL VANCOUVER ISLAND	57
NORTH VANCOUVER ISLAND	39
SOUTH VANCOUVER ISLAND	122
Total:	218

* 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	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:	43	54	23
NORTH WEST	20-34	*	6	0
	35-49	*	39	18
	50+	*	70	34
	Total HSDA:	71	115	52
NORTHERN INTERIOR	0-19	6	6	*
	20-34	23	25	*
	35-49	61	76	*
	50+	104	176	*
	Total HSDA:	194	283	132
Total HA:		308	452	207

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	6	6	*
	20-34	31	35	*
	35-49	104	137	*
	50+	167	274	*
Total HA:		308	452	207

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	191	281	127
Female	117	171	80

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	207	52	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)





**4.14 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	25	*
	5 years or more	10	*
	<5 years	8	*
	Total HSDA:	43	23
NORTH WEST	10 years or more	43	33
	5 years or more	17	10
	<5 years	11	9
	Total HSDA:	71	52
NORTHERN INTERIOR	10 years or more	90	63
	5 years or more	65	40
	<5 years	39	29
	Total HSDA:	194	132
Total HA:		308	207

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	158	109
	5 years or more	92	56
	<5 years	58	42
Total HA:		308	207

* 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	80	167	15	34
NORTHERN INTERIOR	119	474	19	189
Total:	239	703	38	228

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH EAST	5
NORTH WEST	18
NORTHERN INTERIOR	12
Total:	35

* 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	27	44	15
	THOMPSON/CARIBOO/SHUSWAP	24	48	18
	Total HA:	63	111	44
FRASER	FRASER EAST	37	49	25
	FRASER NORTH	52	89	41
	FRASER SOUTH	81	115	61
	Total HA:	170	253	127
VANCOUVER COASTAL	NORTH SHORE/COAST GARIBALDI	27	50	24
	RICHMOND	8	13	6
	VANCOUVER	484	895	385
	Total HA:	519	958	415
VANCOUVER ISLAND	CENTRAL VANCOUVER ISLAND	49	82	40
	NORTH VANCOUVER ISLAND	16	26	14
	SOUTH VANCOUVER ISLAND	40	84	28
	Total HA:	105	192	82
NORTHERN	NORTH EAST	10	14	7
	NORTH WEST	31	64	23
	NORTHERN INTERIOR	70	111	54
	Total HA:	111	189	84
Total:		968	1703	752

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	609	1093	468
Female	359	610	284

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total:	752	52	520	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.

N(t)RTI: a category of drug encompassing both NUCLEOSIDE ANALOG and NUCLEOTIDE ANALOG

Nucleoside Analog (Nucleoside Analog Reverse Transcriptase Inhibitor, NRTI): a type of ANTIVIRAL drug whose structure constitutes a defective version of a natural nucleoside. Nucleoside analogs may take the place of the natural nucleosides, blocking the completion of a viral DNA chain during infection of a new cell by HIV. The HIV enzyme reverse transcriptase is more likely to incorporate nucleoside analogs into the DNA it is constructing than is the DNA polymerase that cells normally use for DNA construction.

Nucleotide Analog: ANTIVIRAL compounds that function exactly like NUCLEOSIDE ANALOGS but are pre-activated through the addition of a phosphate group during their synthesis. This phosphorylation is supposed to enhance the drug levels and activity achieved within cells.

Octreotide Acetate (Sandostatin): a drug used to treat chronic refractory diarrhea.

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

One or more PI: a combination therapy regimen of four or fewer antiretroviral drugs, including one unboosted PI or 2 or more PIs with or without a small (400 mg or less, total daily dose) additional dose of RITONAVIR.

Other: an antiretroviral regimen in the HIV/AIDS Drug Treatment program other than NNRTI/no PI, boosted PI, 1 or more PIs or MDRT-based regimens (eg. Triple Nucleoside regimens).

Paromomycin (Humatin): an antibiotic used to treat infections caused by intestinal parasites, including AIDS-related cryptosporidiosis.





Pentamidine: an antiprotozoal drug used in aerosol form as a preventative against pneumocystis carinii pneumonia (PCP).

PI: see PROTEASE INHIBITOR.

Prezcobix (PZC): the Janssen trade name for a tablet containing DARUNAVIR and COBICISTAT.

Prodrug: a compound that is converted within the body into the active form that has medical effects.

Protease Inhibitor: a drug that binds to and blocks HIV protease from working, thus preventing the production of new functional viral particles.

Raltegravir (RGV, Isentress): an INTEGRASE INHIBITOR from Merck.

Restarted/ changed therapy (Tx): a person in the HIV/AIDS Drug Treatment program that was either CURRENTLY OFF THERAPY and now has been prescribed a new regimen or a person who has changed regimens.

Rifabutin (Mycobutin): an oral drug used to prevent mycobacterium avium complex (MAC) in people with advanced HIV infection. Rifabutin is also used in combination with other drugs for the treatment of active MAC infections.

Rilpivirine (Edurant, RPV): a NON-NUCLEOSIDE 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.

