



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS

B.C. HIV/AIDS Drug Treatment Program

Monthly Report

October 2022





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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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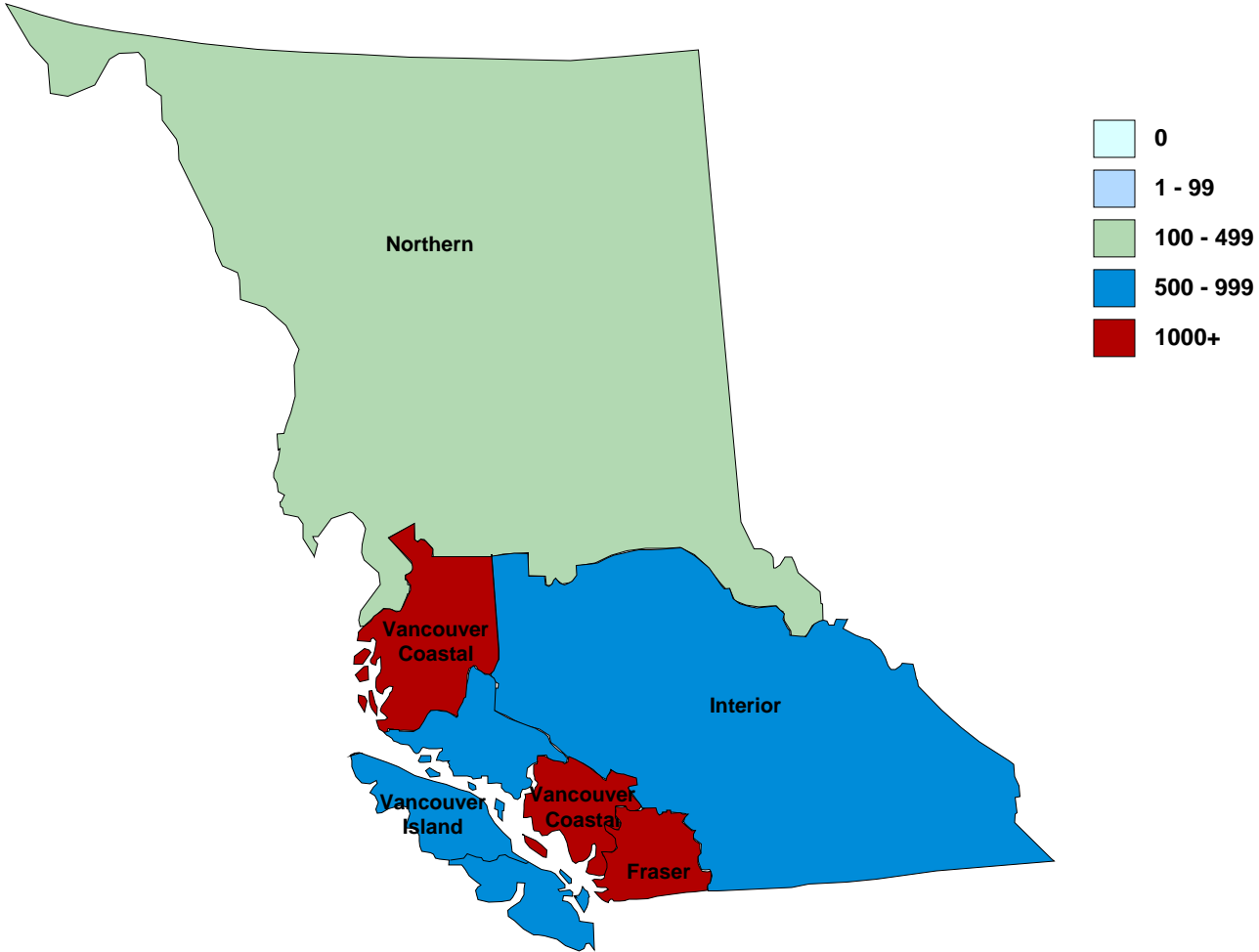




1.1 Distribution of males and females on antiretroviral therapy in British Columbia by Health Authority

October 2022

N = 7486



Health Authority	Male	Female	All
FRASER	1484	444	1928
INTERIOR	445	114	559
NORTHERN	143	72	215
VANCOUVER COASTAL	3320	449	3769
VANCOUVER ISLAND	824	164	988
	6216	1243	7459
		Unknown/not stated:	27
		Total:	7486

Definitions:

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

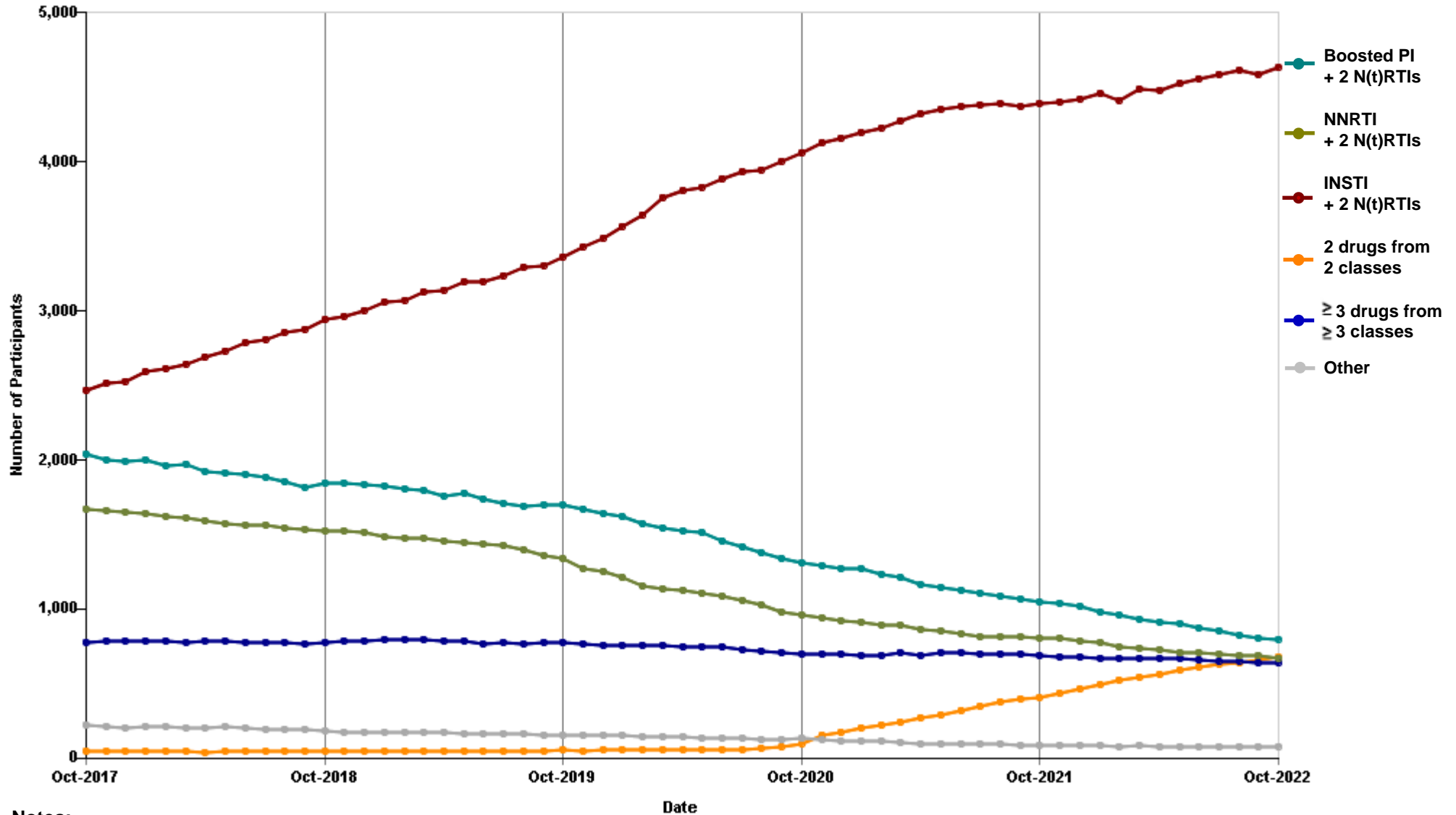
Unknown/not stated defined as being on treatment in the current month, and city of residence unknown

Male & Female refer to Sex at birth





1.2 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Category (October 2017 - October 2022)



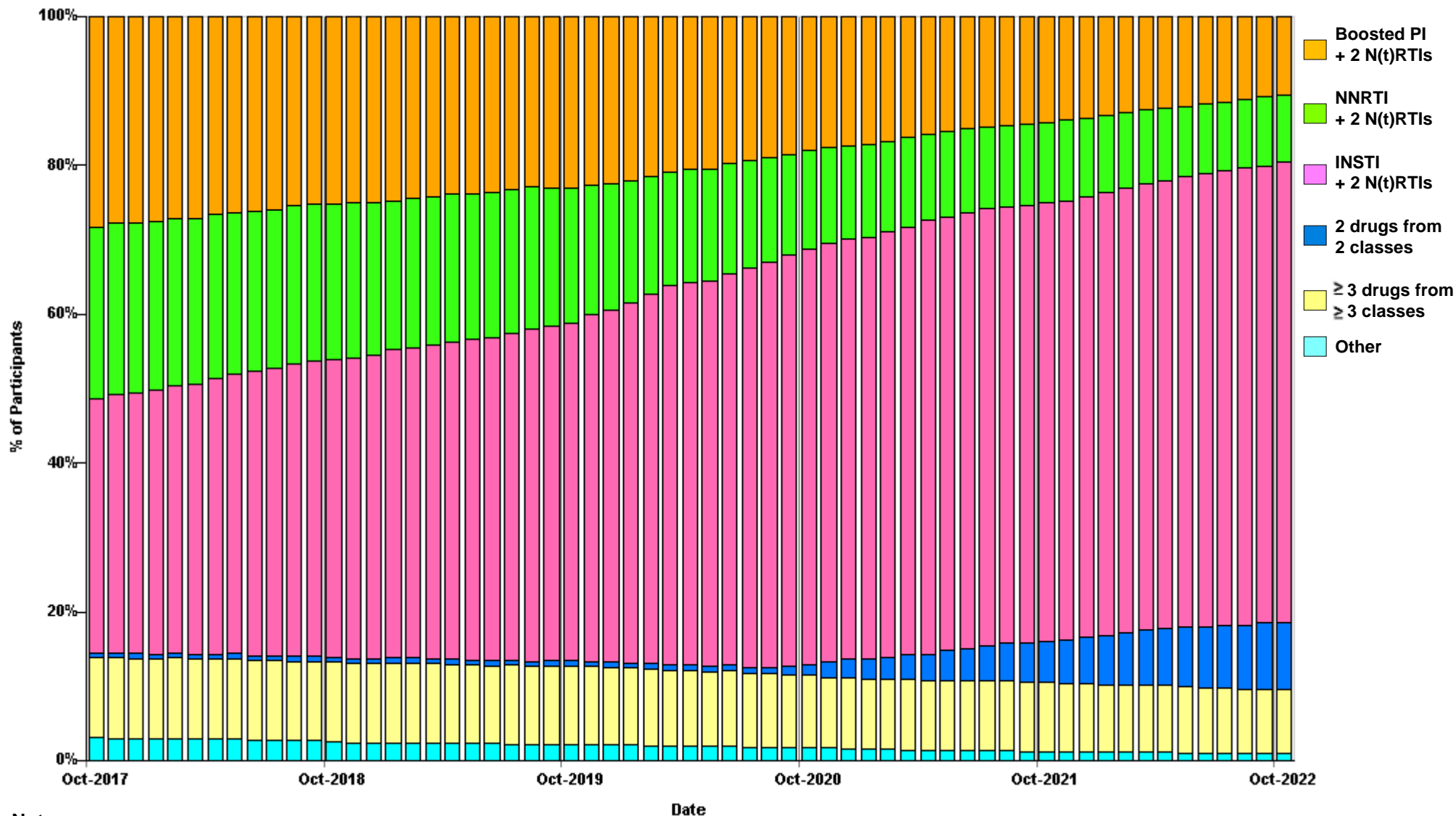
Notes:

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 (October 2017 - October 2022)



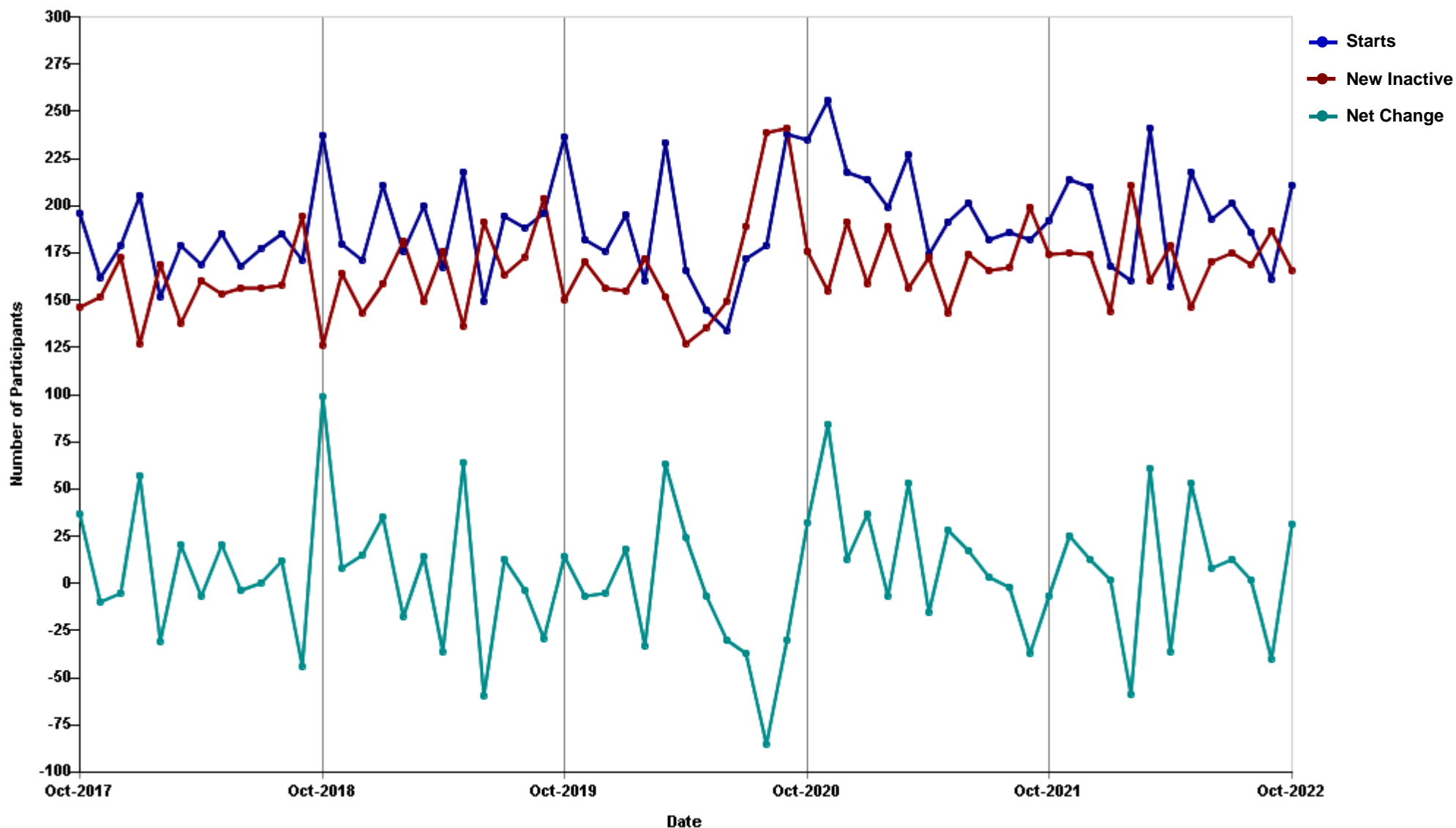
Notes:

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



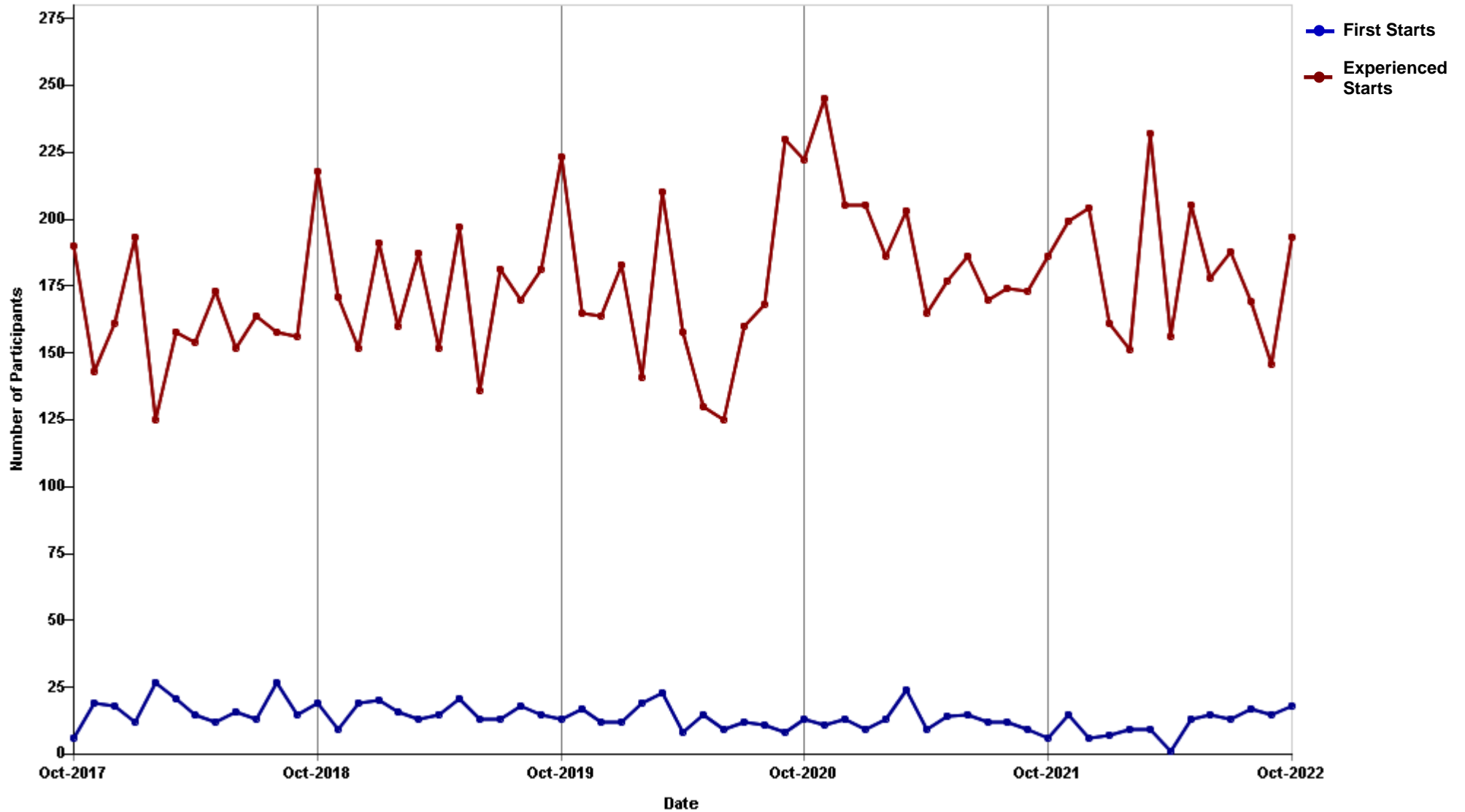


1.4 BC-CfE Enrolment: Net Number of New Antiretroviral Participants (October 2017 - October 2022)



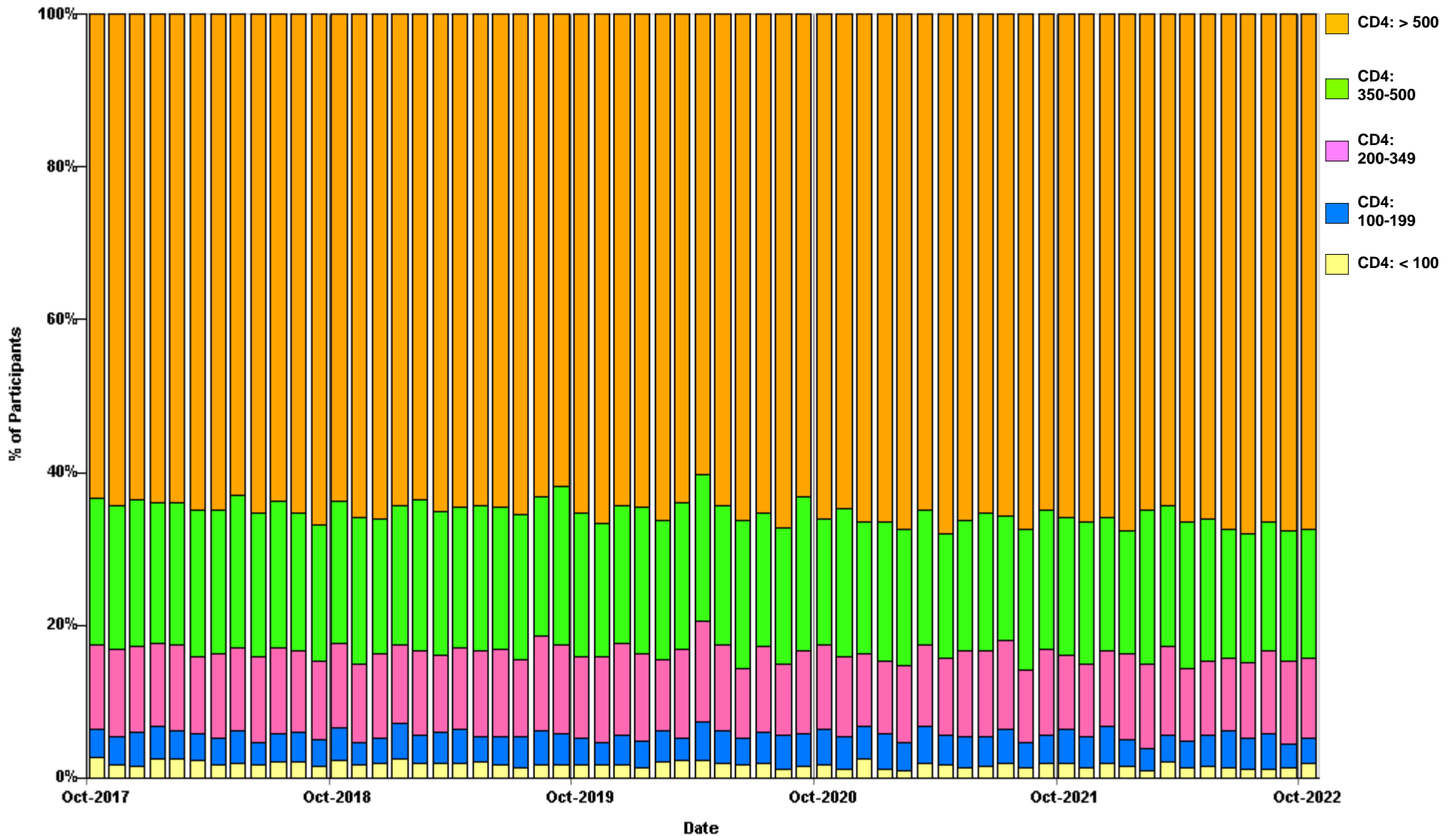


1.5 BC-CfE Enrolment: New Antiretroviral Participants (October 2017 - October 2022)



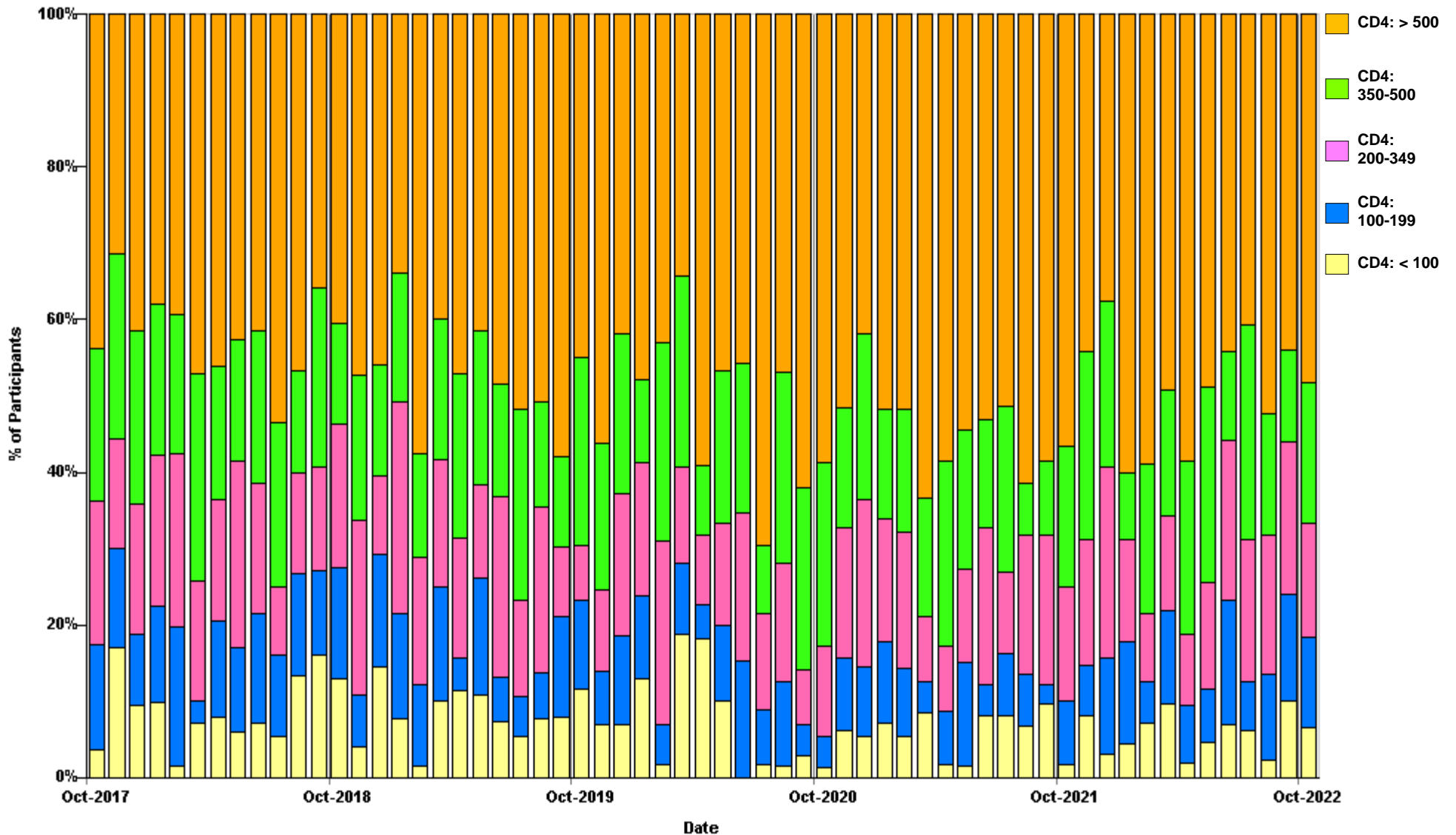


1.6 Percent Distribution of Active Participants by CD4 Count (October 2017 - October 2022)



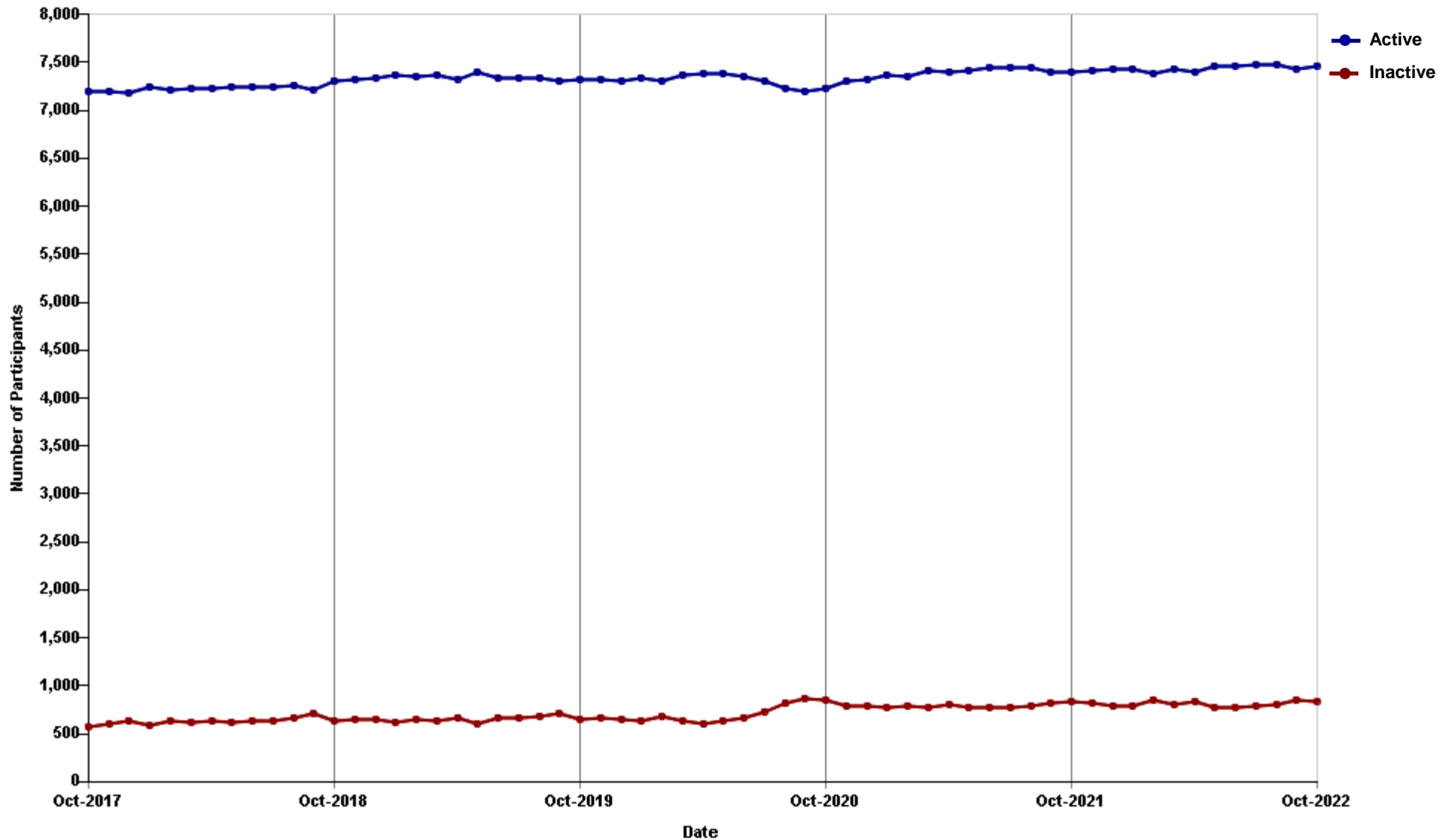


1.7 Percent Distribution of Inactive Participants by CD4 Count (October 2017 - October 2022)



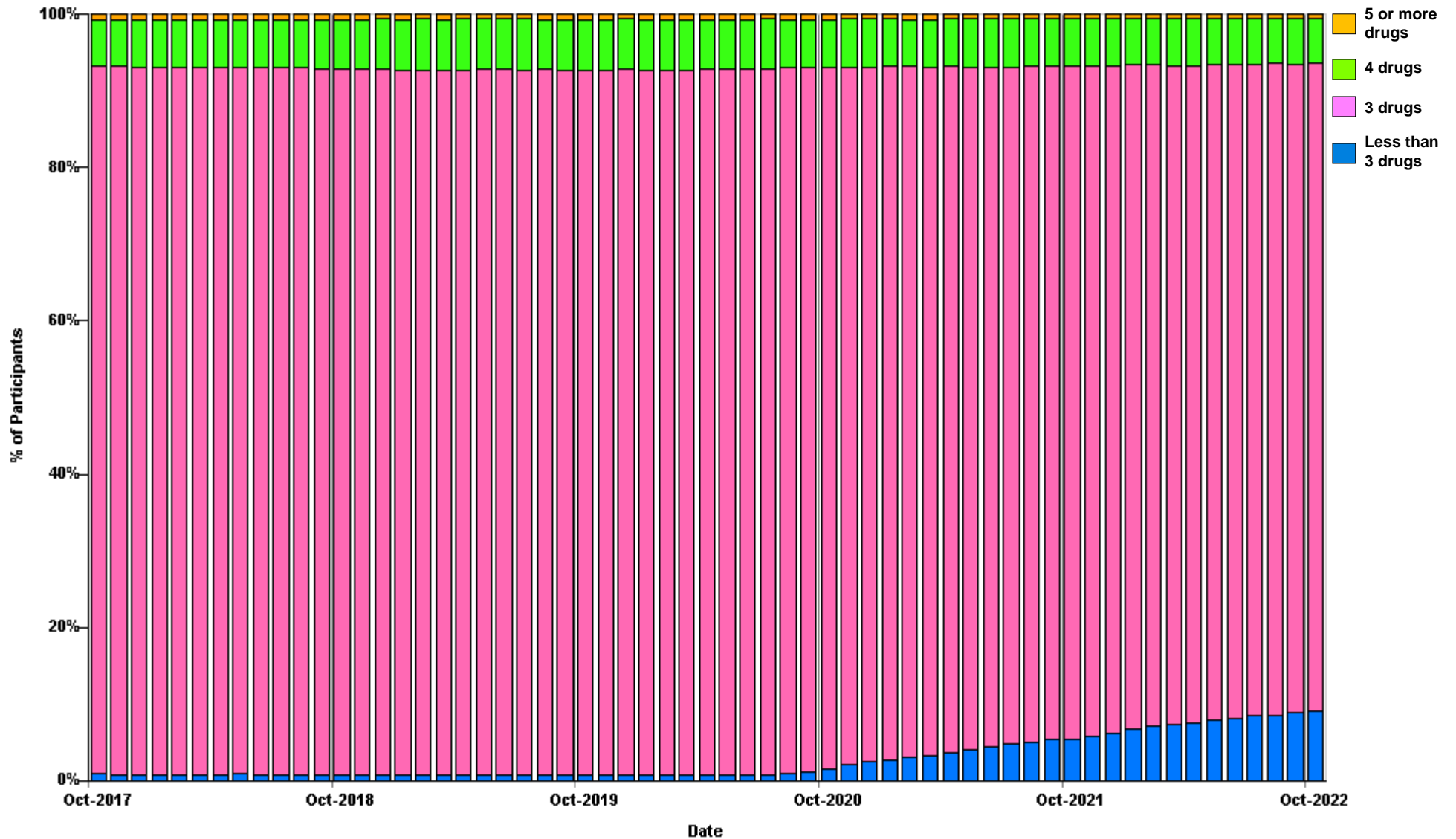


1.8 Active and Inactive Participants (October 2017 - October 2022)



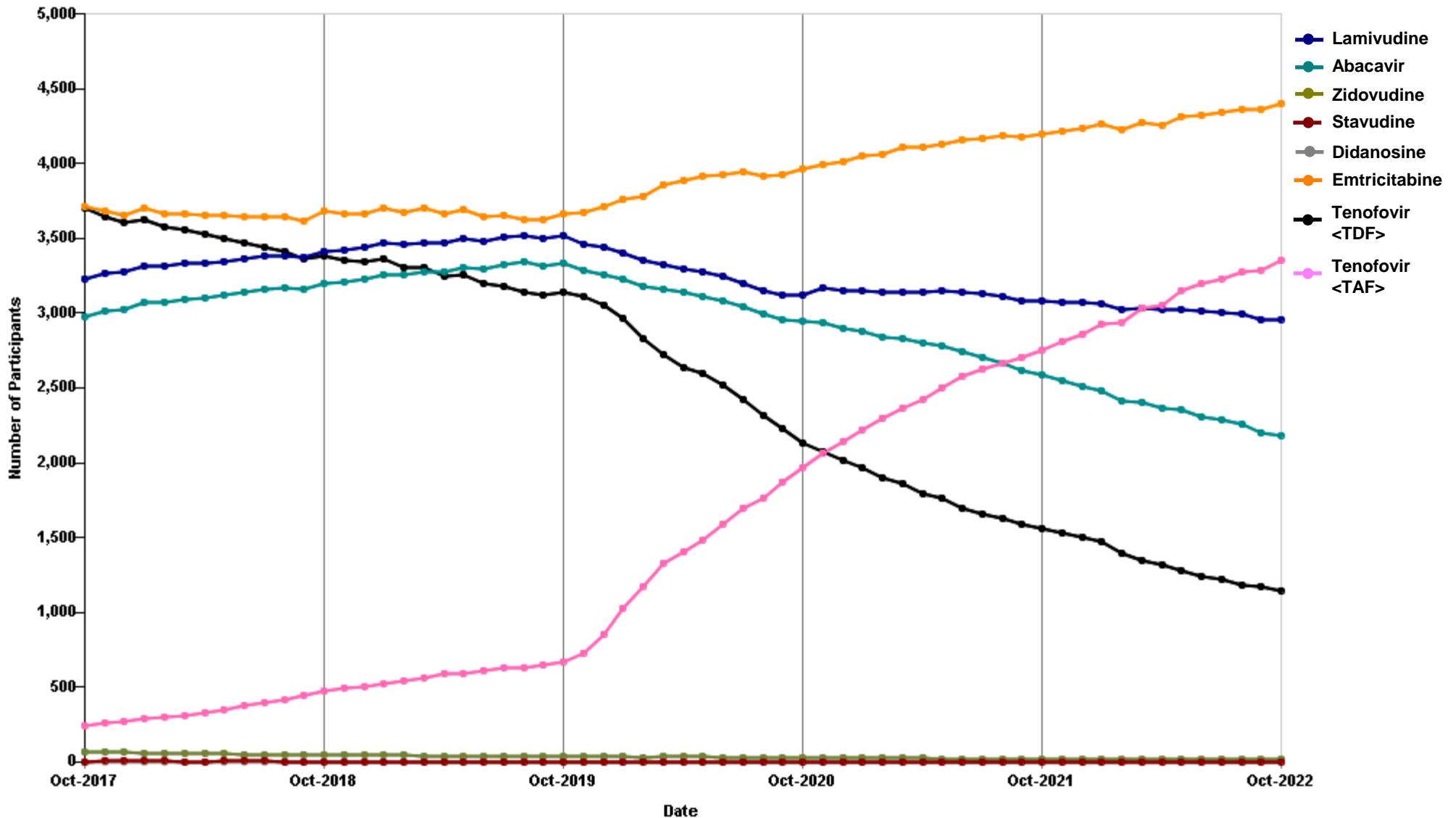


1.9 Percent Distribution of Participants on ARV Therapy by Number of Drugs (October 2017 - October 2022)





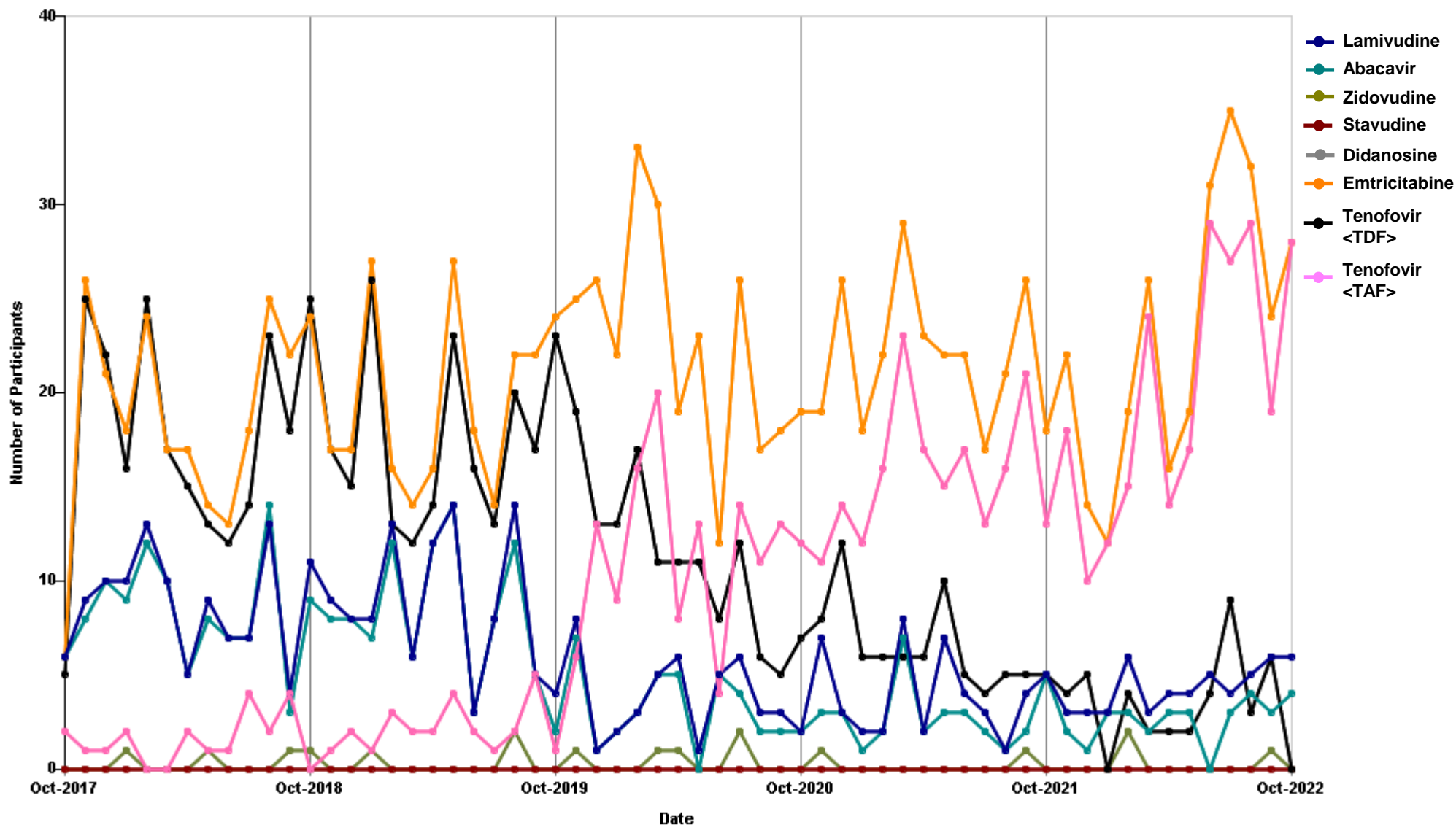
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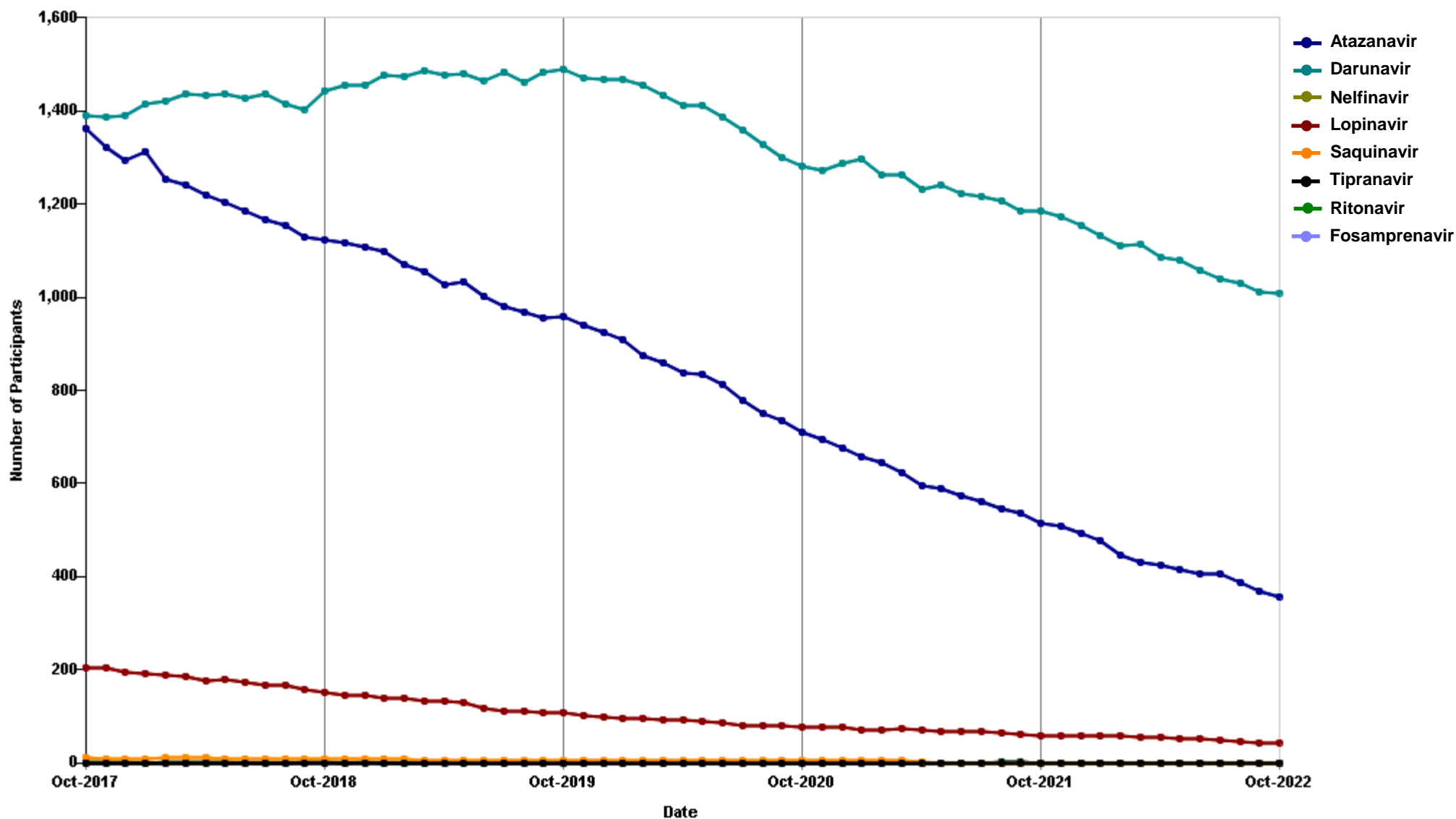
1.11 Distribution of Participants on Nucleoside/Nucleotide Analogues at the time of first start of ARV Therapy by INGREDIENT

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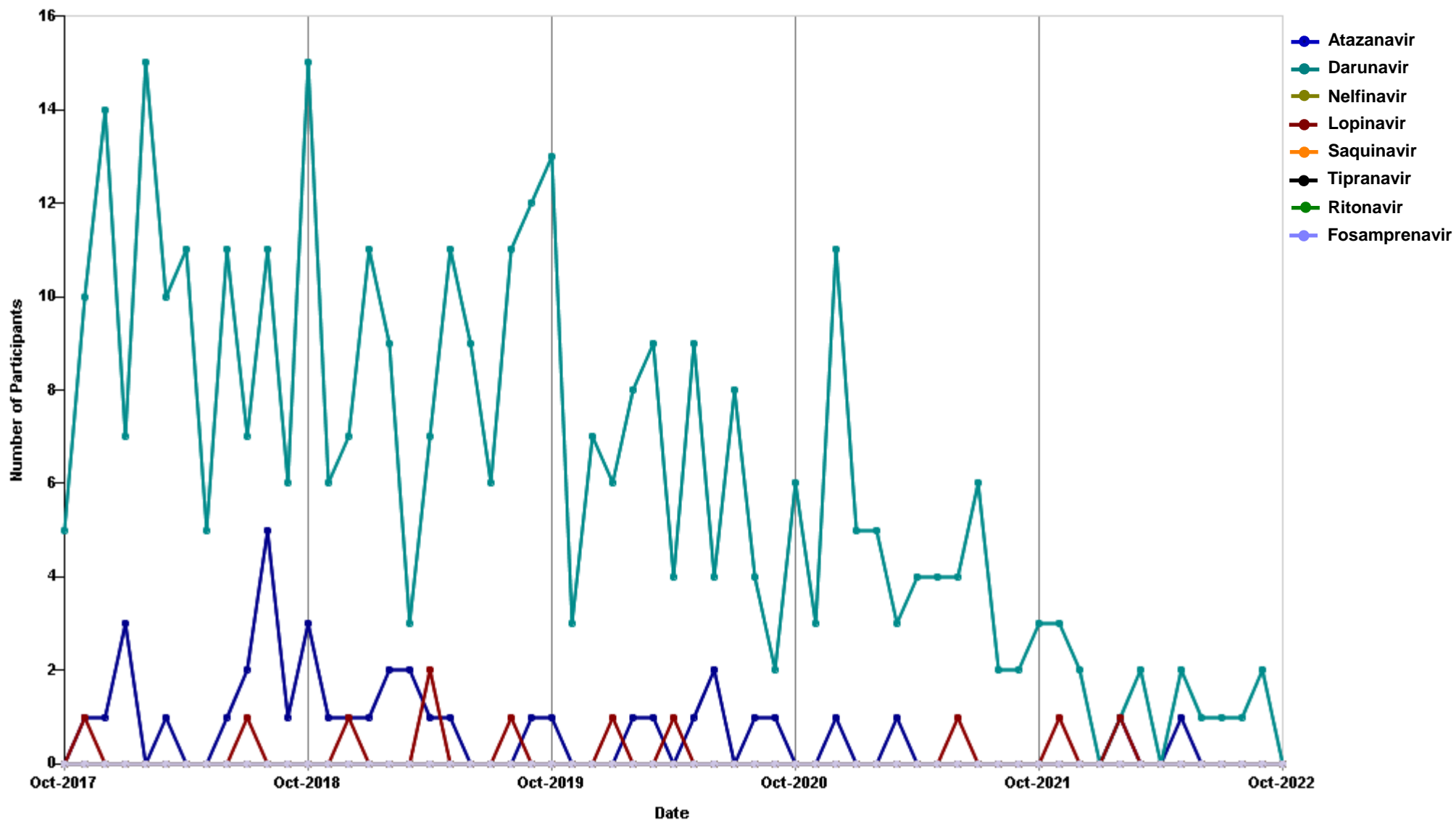


1.12 Distribution of Participants on Protease Inhibitor by INGREDIENT (October 2017 - October 2022)



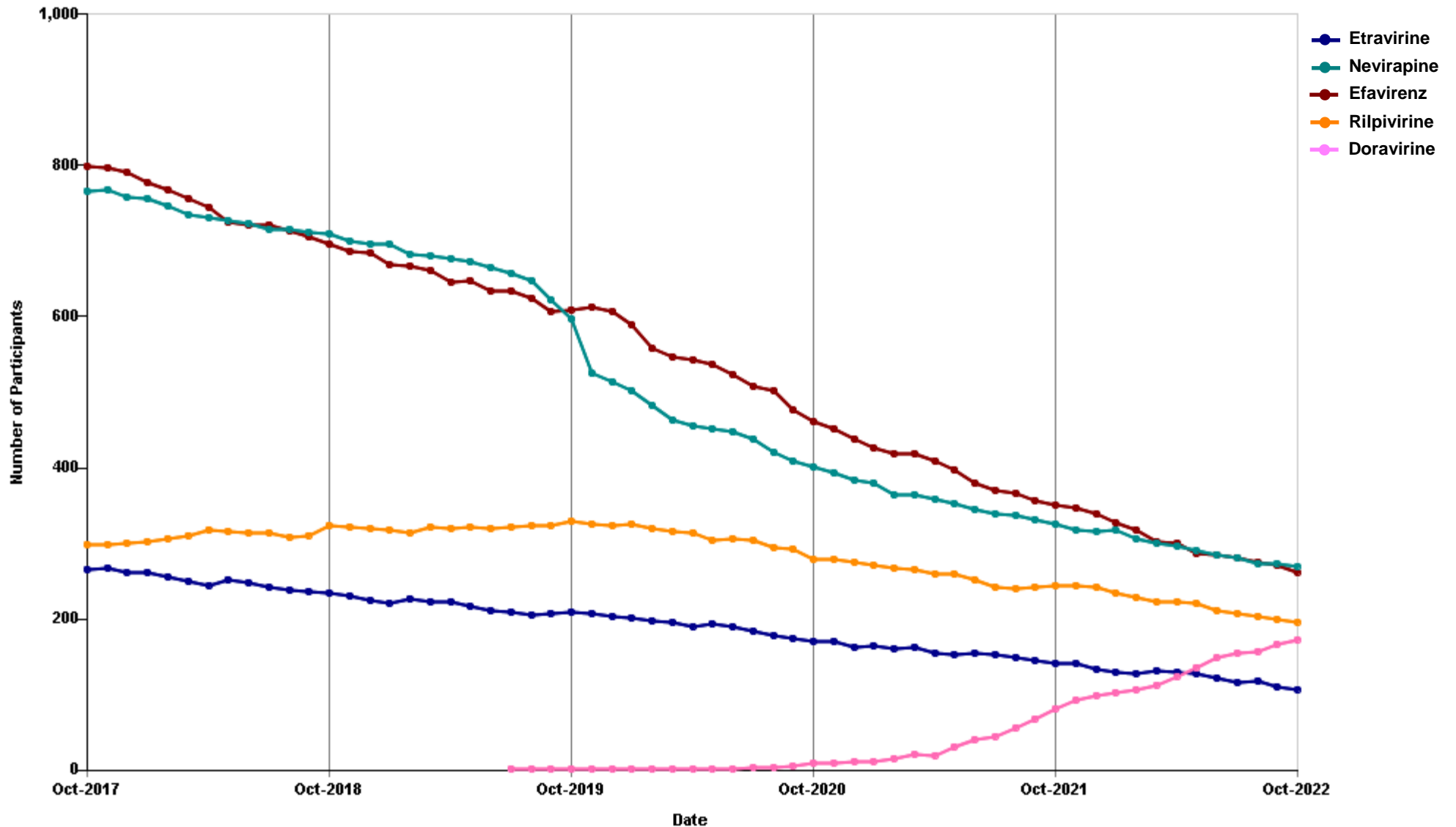


1.13 Distribution of Participants on Protease Inhibitor at the time of first start of ARV Therapy by INGREDIENT (October 2017 - October 2022)





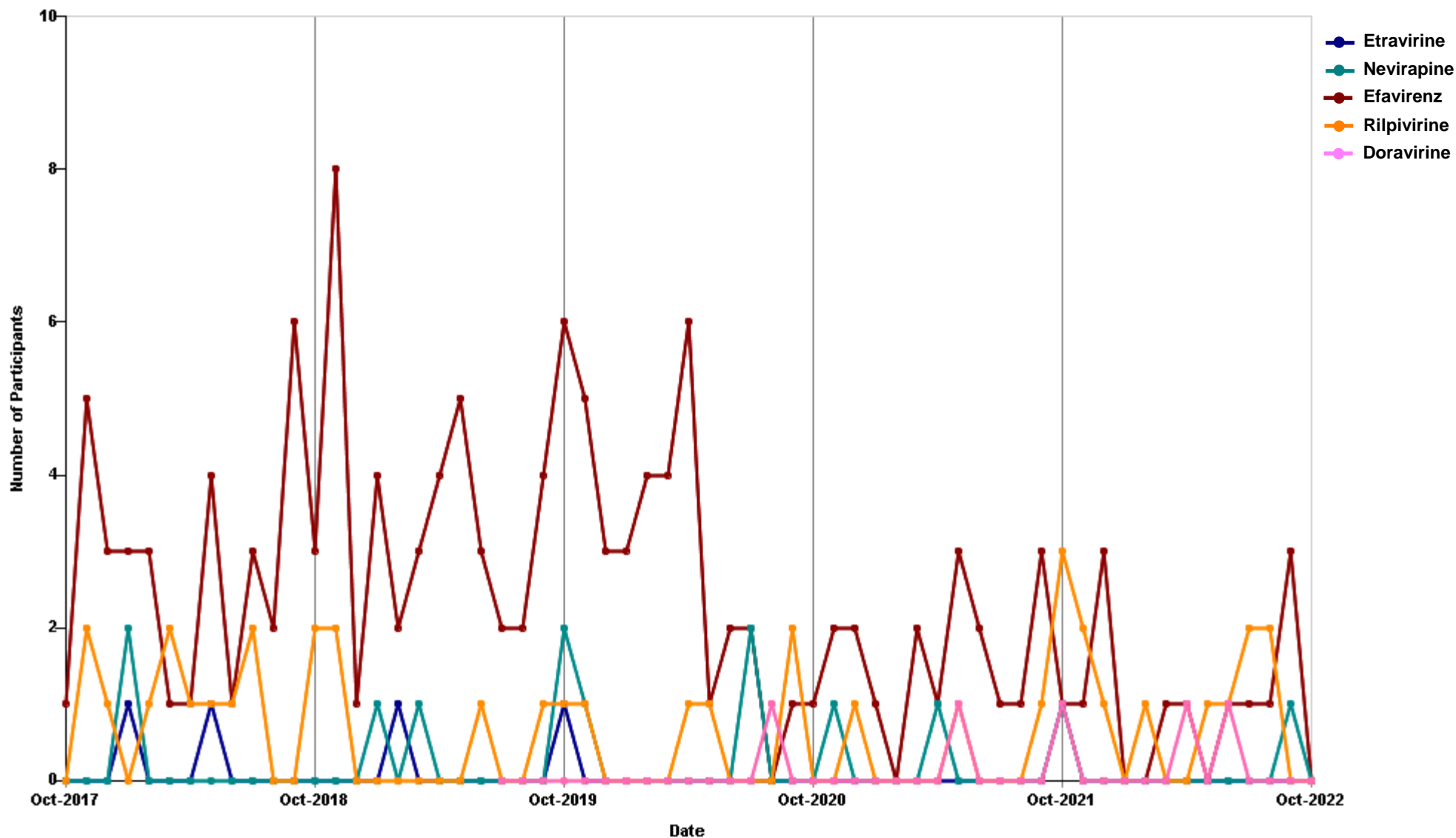
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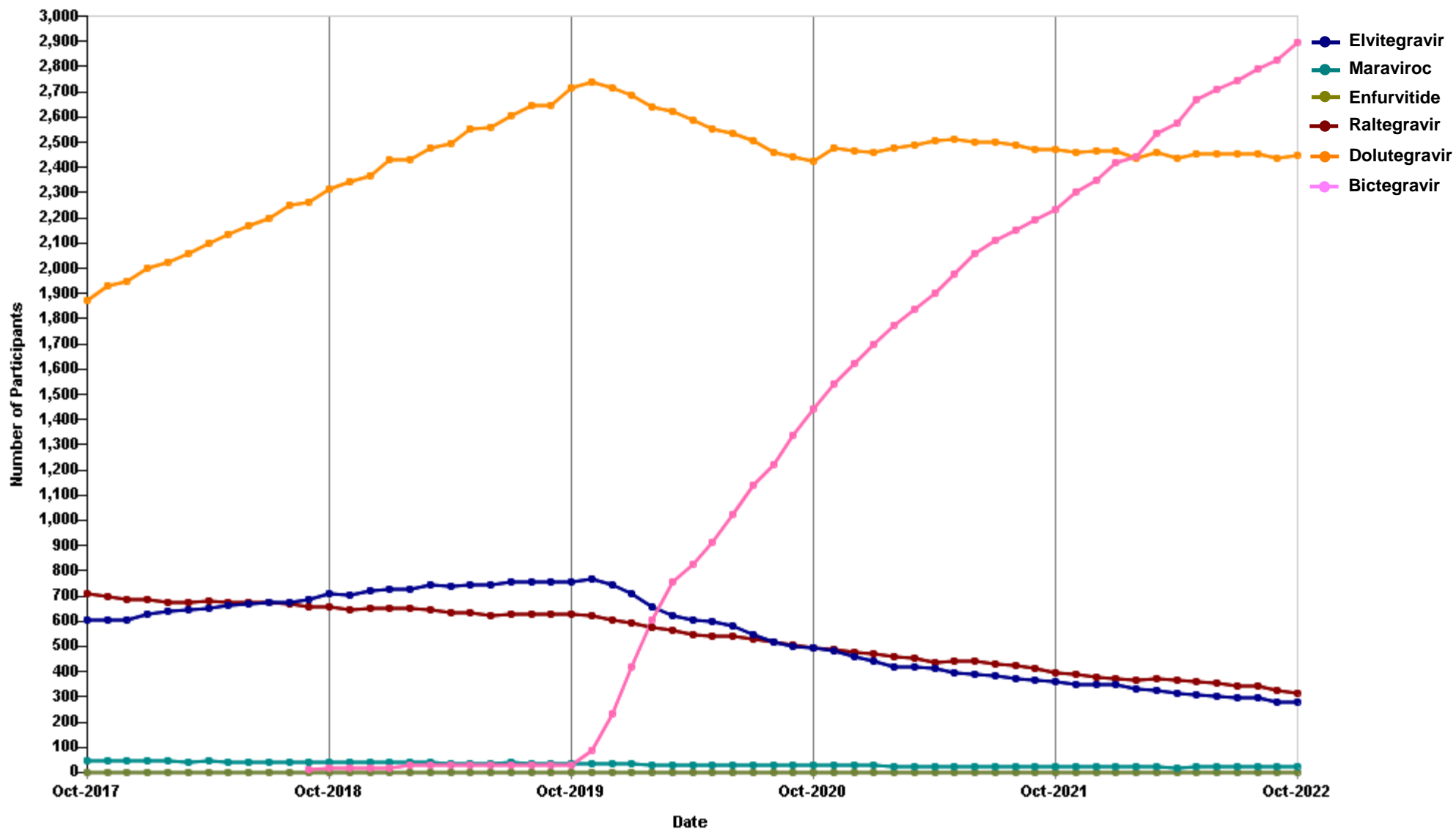
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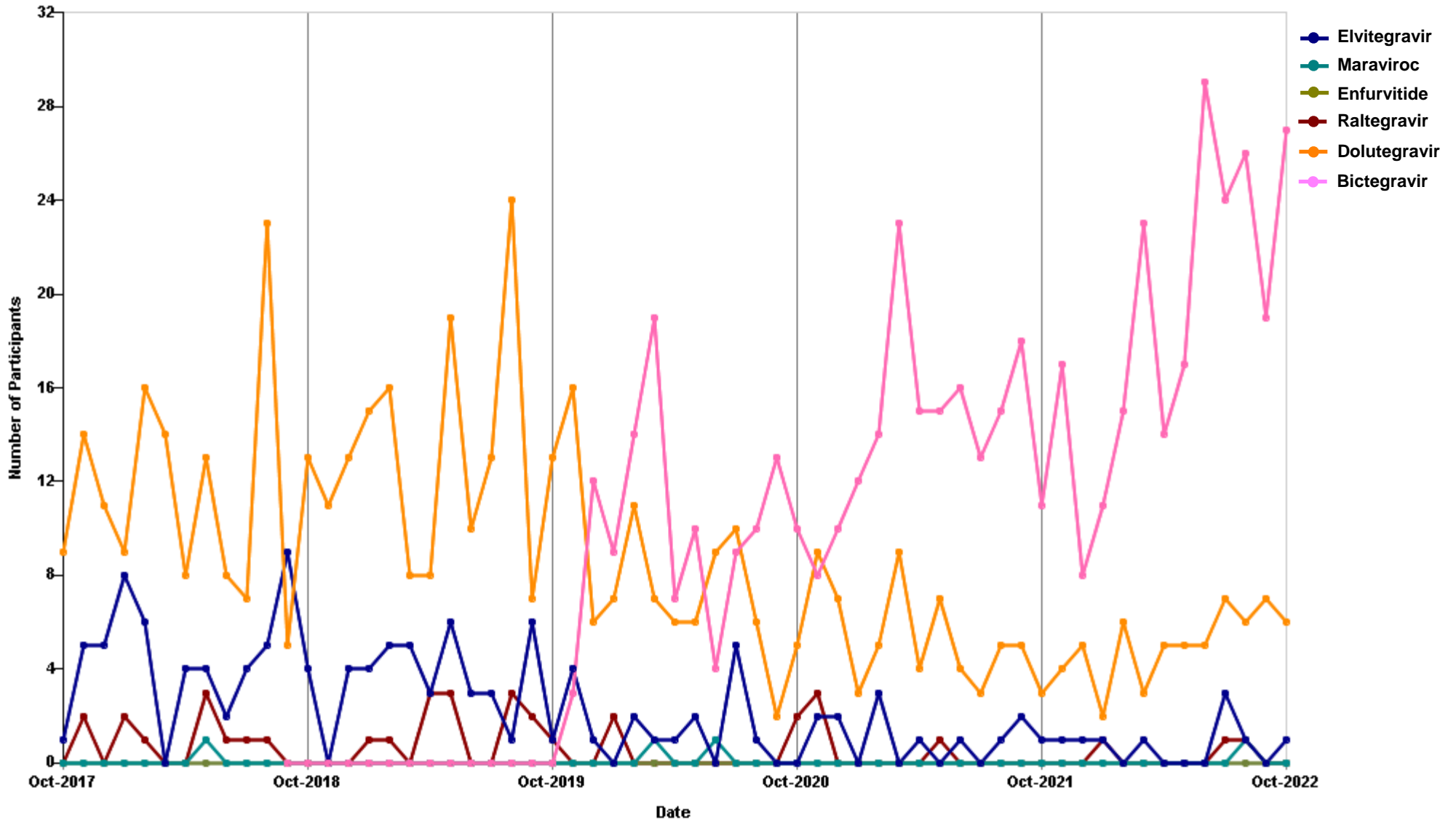
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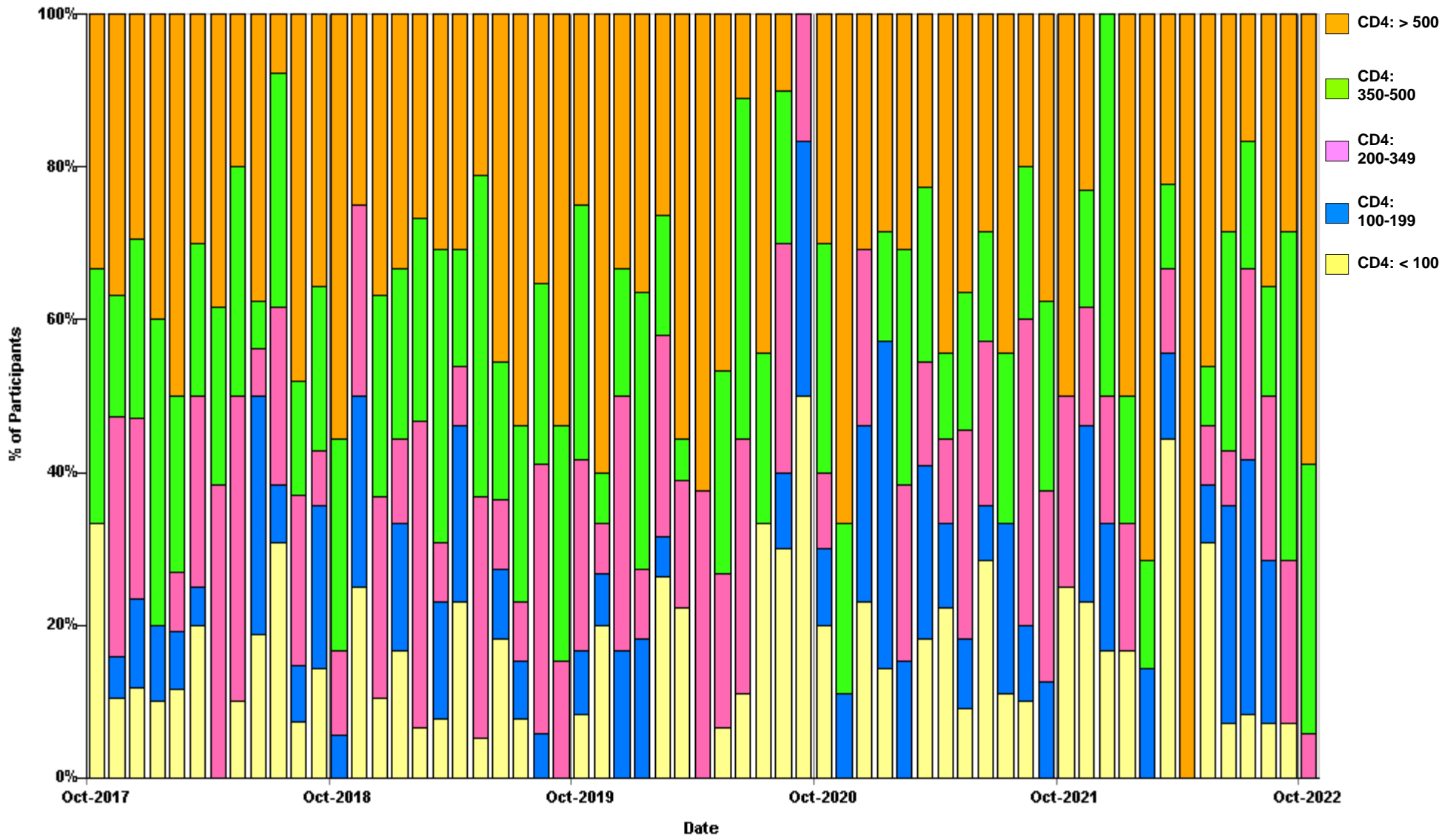
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(October 2017 - October 2022)



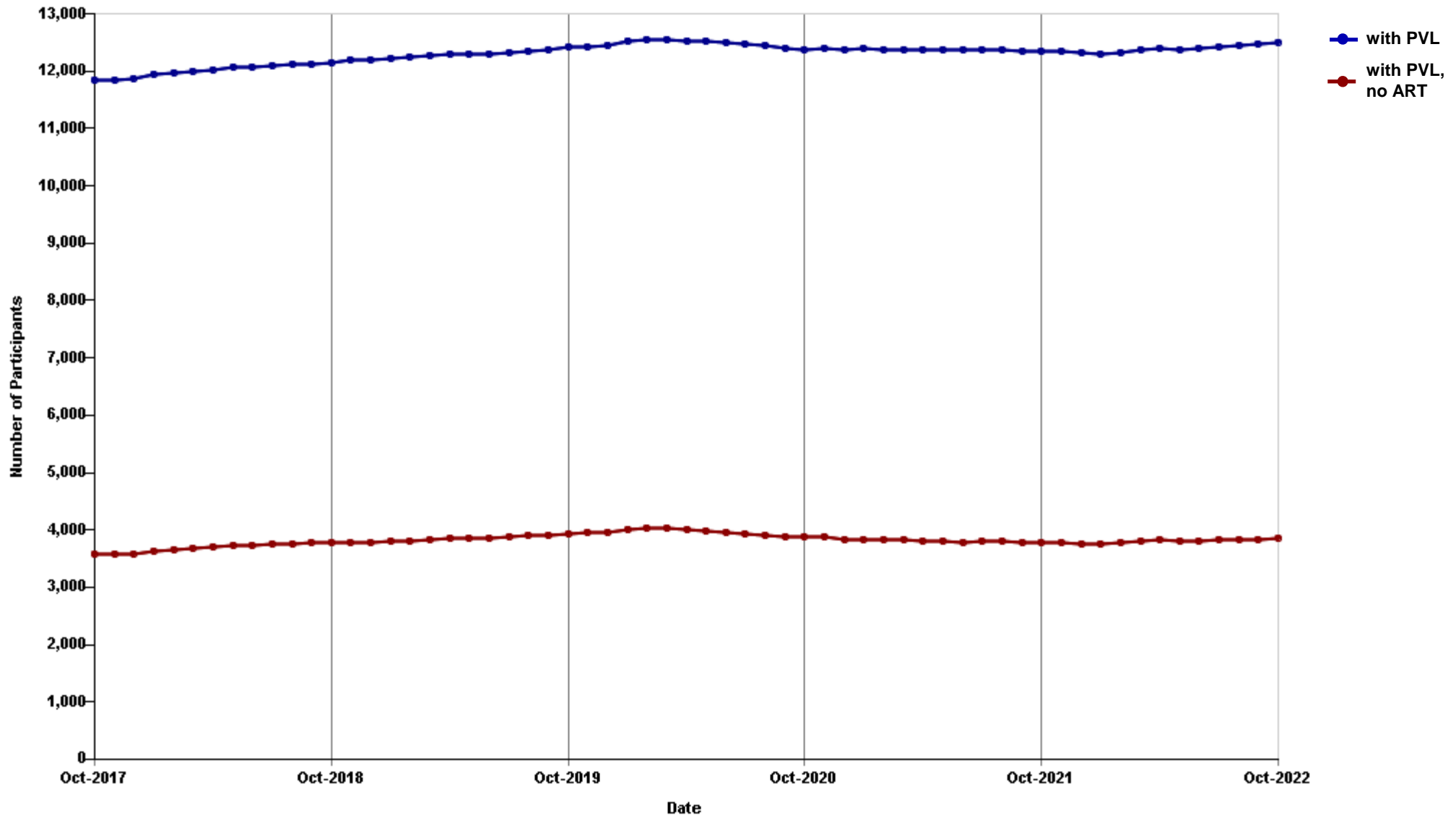


1.18 Baseline CD4 for Antiretroviral First Starts
(October 2017 - October 2022)



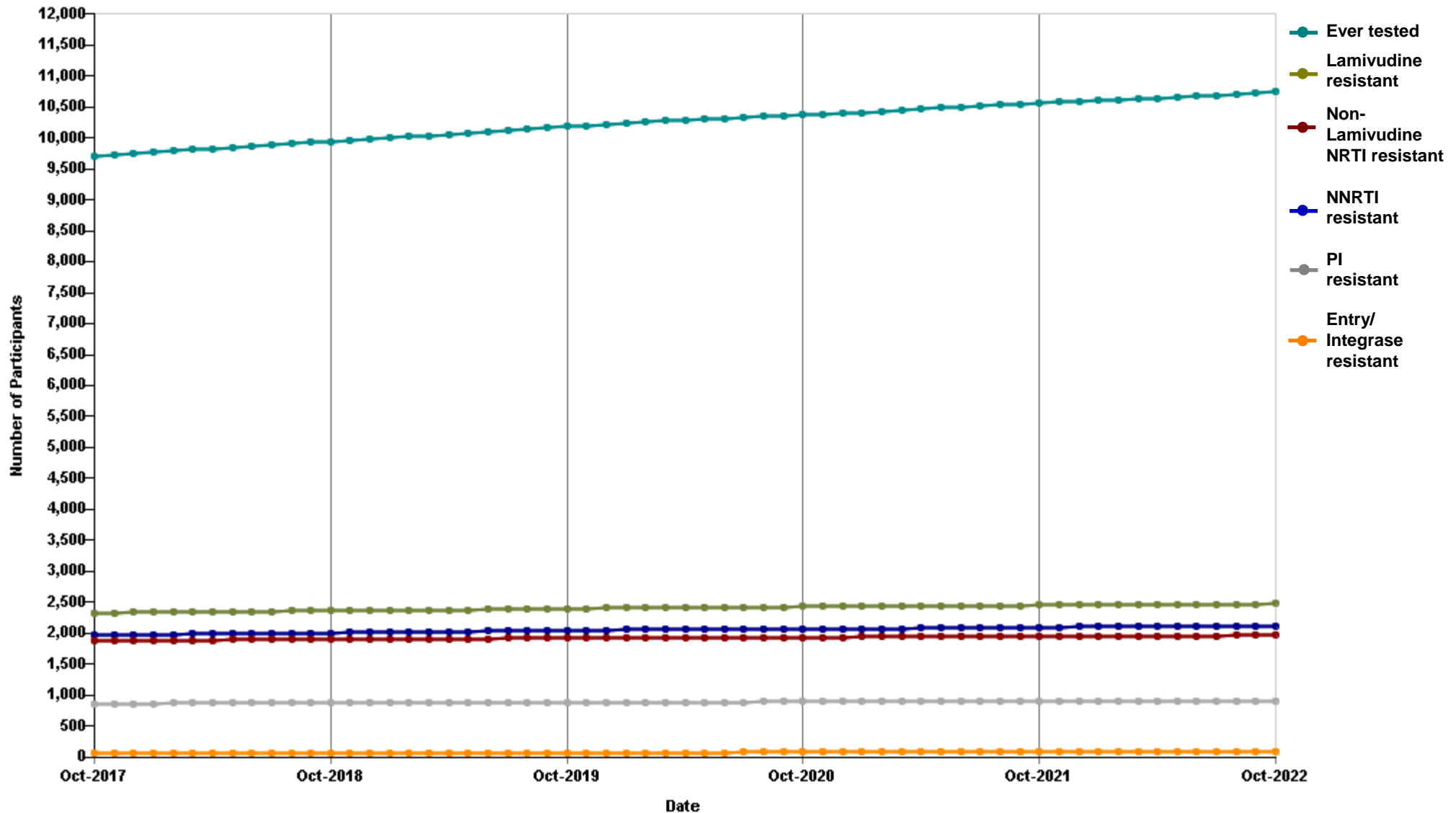


1.19 DTP Participants with PVL Measurement within previous five years, and never on ART (October 2017 - October 2022)



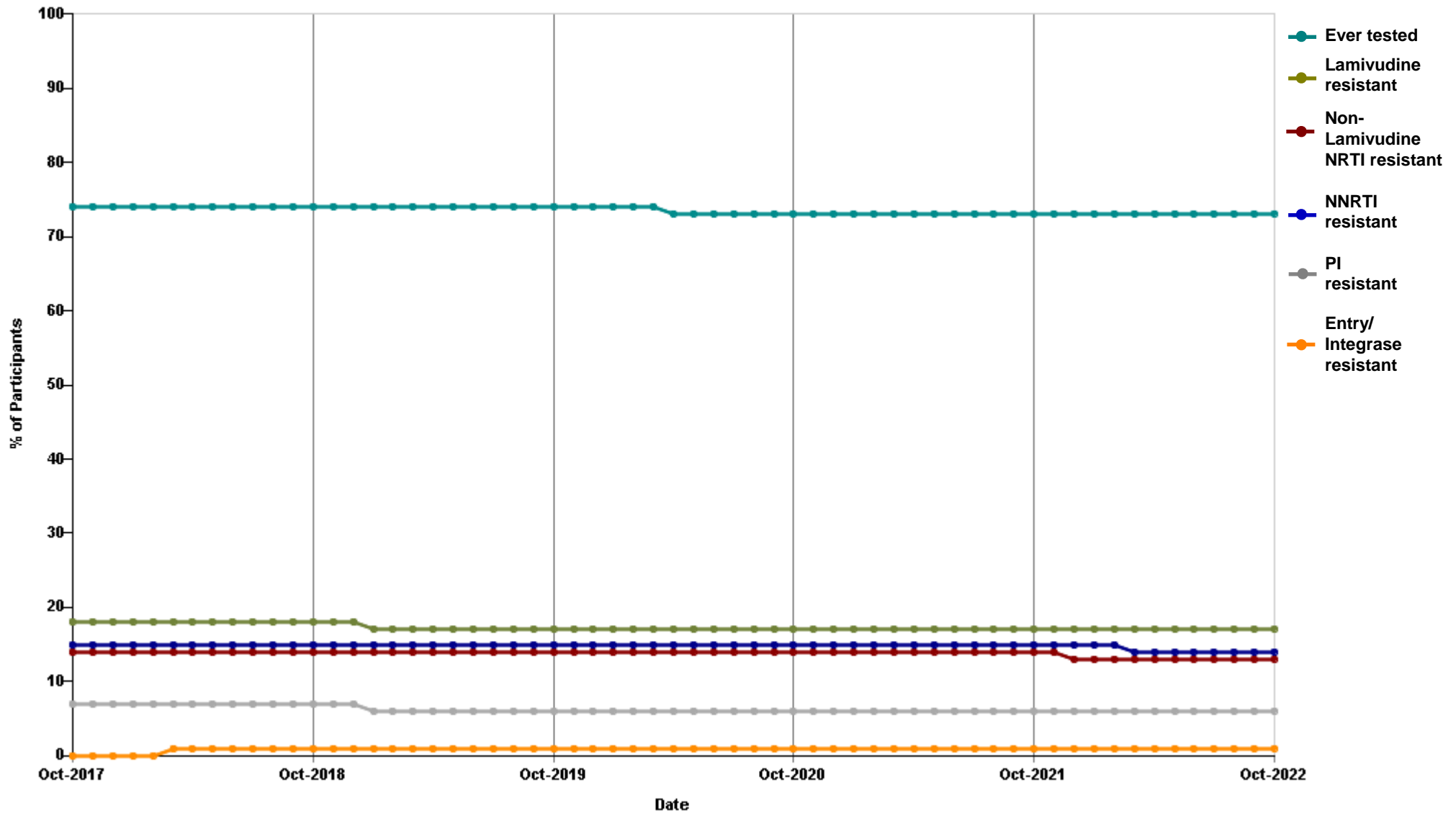


1.20 Cumulative Resistance Testing Results by Resistance Category (October 2017 - October 2022)





1.21 Percent of Participants ever on ARV - Resistance Testing Results by Resistance Category (October 2017 - October 2022)





**2.1 Duration of ARV treatment in the Province of BC, 1987-2022
(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	31	4	0	4	1	790	4	<40	4
1988	31	5	0	5	2	305	5	<40	3
1989	29	49	1	50	23	490	48	<40	3
1990	28	53	1	54	34	515	53	<40	3
1991	28	37	2	39	17	520	35	<40	3
1992	28	55	4	59	20	610	56	<40	3
1993	27	120	14	134	71	510	123	<40	3
1994	25	68	13	81	43	450	70	<40	3
1995	26	123	18	141	74	535	129	<40	3
1996	24	306	45	351	189	570	321	<40	3
1997	22	261	32	293	166	640	274	<40	3
1998	21	186	42	228	147	540	214	<40	3
1999	21	149	39	188	117	570	170	<40	3
2000	21	116	30	146	86	600	132	<40	3
2001	21	110	24	134	81	530	126	<40	3
2002	19	118	25	143	90	565	133	<40	3
2003	19	133	26	159	91	590	144	<40	3
2004	18	141	36	177	115	630	160	<40	3
2005	17	175	38	213	120	620	185	<40	3
2006	16	164	42	206	124	625	189	<40	3
2007	15	216	44	260	151	670	226	<40	3
2008	14	271	58	329	216	630	298	<40	3
2009	13	294	63	357	216	625	326	<40	3
2010	12	249	63	312	191	670	278	<40	3
2011	11	314	71	385	242	683	342	<40	3
2012	10	263	60	323	195	720	290	<40	3
2013	9	250	65	315	193	720	278	<40	3
2014	8	270	45	315	187	740	287	<40	3
2015	7	262	43	305	189	670	278	<40	3
2016	6	246	49	295	184	690	254	<40	3
2017	5	209	34	243	157	680	219	<40	3
2018	4	180	50	230	153	750	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, 1987-2022
(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	3	218	39	257	174	660	240	<40	3
2020	2	180	54	234	172	695	211	<40	3
2021	1	195	38	233	146	620	211	<40	3
2022	0	230	37	267	215	620	253	<40	3
Total:		6220	1245	7465					

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-2021	7385	745	1942	<40	1393	630
FEB-2021	7378	748	1787	<40	1276	630
MAR-2021	7433	743	2015	<40	1429	620
APR-2021	7417	746	1828	<40	1324	636
MAY-2021	7452	742	1868	<40	1306	630
JUN-2021	7456	738	1880	<40	1355	610
JUL-2021	7460	744	1820	<40	1348	640
AUG-2021	7465	741	1981	<40	1354	630
SEP-2021	7432	750	1763	<40	1248	630
OCT-2021	7432	755	1855	<40	1292	630
NOV-2021	7446	750	2021	<40	1379	630
DEC-2021	7462	757	1543	<40	1043	630
JAN-2022	7465	756	1878	<40	1316	650
FEB-2022	7386	774	1803	<40	1258	620
MAR-2022	7458	766	1904	<40	1248	620
APR-2022	7420	778	1755	<40	1145	620
MAY-2022	7477	763	1998	<40	1300	620
JUN-2022	7482	759	1839	<40	1188	630
JUL-2022	7496	755	1762	<40	1132	643
AUG-2022	7497	758	1990	<40	1207	620
SEP-2022	7451	771	1788	<40	1050	640
OCT-2022	7486	776	1851	<40	1117	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-2021	773	196	73	<40	56	525
FEB-2021	785	196	69	<40	56	510
MAR-2021	769	247	89	<40	71	630
APR-2021	803	255	73	<40	58	615
MAY-2021	780	271	73	<40	66	540
JUN-2021	778	261	65	57	49	540
JUL-2021	779	273	52	102	37	530
AUG-2021	785	262	53	<40	44	625
SEP-2021	829	227	64	<40	41	610
OCT-2021	832	240	79	<40	60	540
NOV-2021	816	263	78	<40	61	450
DEC-2021	796	248	48	<40	32	385
JAN-2022	788	273	55	<40	45	580
FEB-2022	858	233	73	<40	56	635
MAR-2022	802	285	94	<40	73	480
APR-2022	838	279	70	<40	53	550
MAY-2022	779	339	60	<40	43	490
JUN-2022	782	324	61	<40	43	400
JUL-2022	785	308	60	<50	32	460
AUG-2022	805	291	59	78	44	550
SEP-2022	860	230	70	<40	50	415
OCT-2022	841	240	82	<40	60	495

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 Enrolment

MON-YYYY	Currently on ARV Therapy	Currently off ARV Therapy	Deceased	First Starts	Experienced Starts	New Inactive	Net Change	Cumulative Patients
JAN-2021	7359	773	14	9	205	159	37	14210
FEB-2021	7352	785	15	13	186	189	-7	14234
MAR-2021	7405	769	15	24	203	156	53	14271
APR-2021	7390	803	13	9	165	173	-15	14296
MAY-2021	7418	780	14	14	177	143	28	14325
JUN-2021	7435	778	7	15	186	174	17	14351
JUL-2021	7438	779	9	12	170	166	3	14371
AUG-2021	7436	785	16	12	174	167	-2	14393
SEP-2021	7399	829	14	9	173	199	-37	14423
OCT-2021	7392	832	17	6	186	174	-7	14446
NOV-2021	7417	816	11	15	199	175	25	14472
DEC-2021	7430	796	22	6	204	174	13	14490
JAN-2022	7432	788	19	7	161	144	2	14505
FEB-2022	7373	858	8	9	151	211	-59	14530
MAR-2022	7434	802	16	9	232	160	61	14559
APR-2022	7398	838	11	1	156	179	-36	14579
MAY-2022	7451	779	13	13	205	146	53	14603
JUN-2022	7459	782	11	15	178	170	8	14640
JUL-2022	7472	785	10	13	188	175	13	14679
AUG-2022	7474	805	15	17	169	169	2	14717
SEP-2022	7434	860	13	15	146	187	-40	14747
OCT-2022	7465	841	12	18	193	166	31	14781

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-2021	205	6681	452	46	7384	2.78%	90.48%	6.12%	0.62%	100.00%
FEB-2021	226	6653	448	51	7378	3.06%	90.17%	6.07%	0.69%	100.00%
MAR-2021	249	6670	463	51	7433	3.35%	89.73%	6.23%	0.69%	100.00%
APR-2021	275	6644	454	44	7417	3.71%	89.58%	6.12%	0.59%	100.00%
MAY-2021	299	6640	465	48	7452	4.01%	89.10%	6.24%	0.64%	100.00%
JUN-2021	326	6613	471	46	7456	4.37%	88.69%	6.32%	0.62%	100.00%
JUL-2021	354	6590	470	46	7460	4.75%	88.34%	6.30%	0.62%	100.00%
AUG-2021	381	6571	471	42	7465	5.10%	88.02%	6.31%	0.56%	100.00%
SEP-2021	398	6525	462	47	7432	5.36%	87.80%	6.22%	0.63%	100.00%
OCT-2021	409	6517	460	46	7432	5.50%	87.69%	6.19%	0.62%	100.00%
NOV-2021	438	6508	457	43	7446	5.88%	87.40%	6.14%	0.58%	100.00%
DEC-2021	468	6492	457	45	7462	6.27%	87.00%	6.12%	0.60%	100.00%
JAN-2022	499	6468	455	43	7465	6.68%	86.64%	6.10%	0.58%	100.00%
FEB-2022	525	6371	445	45	7386	7.11%	86.26%	6.02%	0.61%	100.00%
MAR-2022	550	6408	455	45	7458	7.37%	85.92%	6.10%	0.60%	100.00%
APR-2022	567	6357	450	46	7420	7.64%	85.67%	6.06%	0.62%	100.00%
MAY-2022	597	6381	452	47	7477	7.98%	85.34%	6.05%	0.63%	100.00%
JUN-2022	614	6376	450	42	7482	8.21%	85.22%	6.01%	0.56%	100.00%
JUL-2022	634	6372	445	45	7496	8.46%	85.01%	5.94%	0.60%	100.00%
AUG-2022	643	6369	442	43	7497	8.58%	84.95%	5.90%	0.57%	100.00%
SEP-2022	663	6304	439	45	7451	8.90%	84.61%	5.89%	0.60%	100.00%
OCT-2022	679	6325	440	42	7486	9.07%	84.49%	5.88%	0.56%	100.00%

Definitions:

Number of Drugs is calculated as number of individual drugs in ARV Therapy (excluding low dose ritonavir used for boosting a protease inhibitor)





Monthly Report

2.6 Number of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT

	lamivudine		abacavir		zidovudine		tenofovir <TAF>		tenofovir <TDF>		emtricitabine	
	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All	Initial	All
JAN-2021	2 10%	3153 44%	1 5%	2880 40%	0 0%	28 0%	12 60%	2220 31%	6 30%	1963 27%	18 90%	4046 56%
FEB-2021	2 8%	3135 43%	2 8%	2843 39%	0 0%	27 0%	16 67%	2298 32%	6 25%	1900 26%	22 92%	4062 56%
MAR-2021	8 22%	3140 43%	7 19%	2832 39%	0 0%	24 0%	23 62%	2368 33%	6 16%	1859 26%	29 78%	4112 57%
APR-2021	2 8%	3137 43%	2 8%	2802 39%	0 0%	25 0%	17 68%	2422 33%	6 24%	1791 25%	23 92%	4104 57%
MAY-2021	7 24%	3150 43%	3 10%	2784 38%	0 0%	22 0%	15 52%	2497 34%	10 34%	1759 24%	22 76%	4131 57%
JUN-2021	4 15%	3137 43%	3 12%	2741 38%	0 0%	23 0%	17 65%	2574 35%	5 19%	1698 23%	22 85%	4153 57%
JUL-2021	3 15%	3126 43%	2 10%	2707 37%	0 0%	23 0%	13 65%	2626 36%	4 20%	1655 23%	17 85%	4166 57%
AUG-2021	1 5%	3109 43%	1 5%	2667 37%	0 0%	23 0%	16 73%	2660 36%	5 23%	1631 22%	21 95%	4182 57%
SEP-2021	4 13%	3078 42%	2 7%	2614 36%	1 3%	22 0%	21 70%	2707 37%	5 17%	1587 22%	26 87%	4178 57%
OCT-2021	5 22%	3082 42%	5 22%	2591 36%	0 0%	20 0%	13 57%	2755 38%	5 22%	1563 21%	18 78%	4196 58%
NOV-2021	3 12%	3071 42%	2 8%	2552 35%	0 0%	19 0%	18 72%	2812 39%	4 16%	1534 21%	22 88%	4216 58%
DEC-2021	3 18%	3067 42%	1 6%	2514 34%	0 0%	19 0%	10 59%	2861 39%	5 29%	1503 21%	14 82%	4237 58%
JAN-2022	3 20%	3064 42%	3 20%	2480 34%	0 0%	19 0%	12 80%	2922 40%	0 0%	1473 20%	12 80%	4262 58%
FEB-2022	6 24%	3019 42%	3 12%	2410 33%	2 8%	19 0%	15 60%	2939 41%	4 16%	1395 19%	19 76%	4225 58%
MAR-2022	3 10%	3034 41%	2 7%	2406 33%	0 0%	19 0%	24 83%	3029 41%	2 7%	1350 18%	26 90%	4272 58%
APR-2022	4 20%	3019 41%	3 15%	2366 33%	0 0%	19 0%	14 70%	3052 42%	2 10%	1313 18%	16 80%	4250 58%
MAY-2022	4 17%	3026 41%	3 13%	2354 32%	0 0%	18 0%	17 74%	3145 43%	2 9%	1282 17%	19 83%	4309 59%
JUN-2022	5 14%	3015 41%	0 0%	2309 31%	0 0%	19 0%	29 81%	3199 44%	4 11%	1237 17%	31 86%	4320 59%
JUL-2022	4 10%	3007 41%	3 8%	2285 31%	0 0%	19 0%	27 69%	3230 44%	9 23%	1218 17%	35 90%	4344 59%
AUG-2022	5 14%	2992 41%	4 11%	2262 31%	0 0%	18 0%	29 78%	3274 45%	3 8%	1179 16%	32 86%	4357 59%
SEP-2022	6 20%	2957 40%	3 10%	2198 30%	1 3%	18 0%	19 63%	3287 45%	6 20%	1177 16%	24 80%	4357 60%
OCT-2022	6 18%	2957 40%	4 12%	2179 30%	0 0%	16 0%	28 82%	3357 46%	0 0%	1148 16%	28 82%	4398 60%

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-2021	0 0%	1 0%	0 0%	656 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%	644 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%	622 32%	3 75%	1261 64%	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%	1221 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%	560 30%	6 100%	1216 66%	0 0%	68 4%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
AUG-2021	0 0%	0 0%	0 0%	547 30%	2 100%	1205 66%	0 0%	66 4%	0 0%	2 0%	0 0%	0 0%	0 0%	1 0%
SEP-2021	0 0%	1 0%	0 0%	536 30%	2 100%	1184 66%	0 0%	61 3%	0 0%	2 0%	0 0%	0 0%	0 0%	1 0%
OCT-2021	0 0%	1 0%	0 0%	515 29%	3 100%	1183 67%	0 0%	59 3%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
NOV-2021	0 0%	1 0%	0 0%	508 29%	3 75%	1171 68%	1 25%	58 3%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
DEC-2021	0 0%	1 0%	0 0%	492 29%	2 100%	1152 68%	0 0%	58 3%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
JAN-2022	0 0%	1 0%	0 0%	476 29%	0 0%	1132 68%	0 0%	60 4%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
FEB-2022	0 0%	1 0%	1 33%	447 28%	1 33%	1110 69%	1 33%	60 4%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
MAR-2022	0 0%	1 0%	0 0%	430 27%	2 100%	1113 70%	0 0%	57 4%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
APR-2022	0 0%	1 0%	0 0%	424 27%	0 0%	1085 69%	0 0%	56 4%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
MAY-2022	0 0%	1 0%	1 33%	417 27%	2 67%	1080 70%	0 0%	53 3%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
JUN-2022	0 0%	1 0%	0 0%	407 27%	1 100%	1056 70%	0 0%	52 3%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
JUL-2022	0 0%	1 0%	0 0%	405 27%	1 100%	1039 70%	0 0%	50 3%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
AUG-2022	0 0%	1 0%	0 0%	386 26%	1 100%	1029 70%	0 0%	45 3%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
SEP-2022	0 0%	0 0%	0 0%	368 26%	2 100%	1011 71%	0 0%	44 3%	0 0%	1 0%	0 0%	0 0%	0 0%	1 0%
OCT-2022	0 0%	0 0%	0 0%	356 25%	0 0%	1007 72%	0 0%	44 3%	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-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%	251 22%
JUL-2021	0 0%	45 4%	1 100%	371 32%	0 0%	153 13%	0 0%	339 29%	0 0%	243 21%
AUG-2021	0 0%	56 5%	1 100%	366 32%	0 0%	150 13%	0 0%	337 29%	0 0%	241 21%
SEP-2021	0 0%	67 6%	3 75%	357 31%	0 0%	146 13%	0 0%	332 29%	1 25%	242 21%
OCT-2021	1 14%	81 7%	1 14%	350 31%	1 14%	142 12%	1 14%	326 29%	3 43%	244 21%
NOV-2021	0 0%	92 8%	1 33%	346 30%	0 0%	142 13%	0 0%	318 28%	2 67%	244 21%
DEC-2021	0 0%	98 9%	3 75%	340 30%	0 0%	134 12%	0 0%	316 28%	1 25%	243 22%
JAN-2022	0 0%	103 9%	0 0%	328 30%	0 0%	130 12%	0 0%	317 29%	0 0%	235 21%
FEB-2022	0 0%	106 10%	0 0%	317 29%	0 0%	127 12%	0 0%	306 28%	1 100%	228 21%
MAR-2022	0 0%	113 11%	1 100%	303 28%	0 0%	132 12%	0 0%	301 28%	0 0%	222 21%
APR-2022	1 50%	124 12%	1 50%	301 28%	0 0%	130 12%	0 0%	297 28%	0 0%	223 21%
MAY-2022	0 0%	136 13%	0 0%	287 27%	0 0%	128 12%	0 0%	290 27%	1 100%	220 21%
JUN-2022	1 33%	149 14%	1 33%	284 27%	0 0%	122 12%	0 0%	285 27%	1 33%	211 20%
JUL-2022	0 0%	155 15%	1 33%	280 27%	0 0%	117 11%	0 0%	280 27%	2 67%	207 20%
AUG-2022	0 0%	157 15%	1 33%	275 27%	0 0%	119 12%	0 0%	274 27%	2 67%	204 20%
SEP-2022	0 0%	167 16%	3 75%	272 27%	0 0%	110 11%	1 25%	274 27%	0 0%	200 20%
OCT-2022	0 0%	173 17%	0 0%	261 26%	0 0%	106 11%	0 0%	269 27%	0 0%	196 20%

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-2021	12 80%	1697 34%	3 20%	2461 49%	0 0%	442 9%	0 0%	27 1%	0 0%	469 9%
FEB-2021	14 64%	1774 35%	5 23%	2476 49%	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%	2504 48%	1 5%	412 8%	0 0%	22 0%	0 0%	438 8%
MAY-2021	15 65%	1979 37%	7 30%	2509 47%	0 0%	397 7%	0 0%	22 0%	1 4%	439 8%
JUN-2021	16 76%	2056 38%	4 19%	2498 47%	1 5%	387 7%	0 0%	23 0%	0 0%	440 8%
JUL-2021	13 81%	2111 39%	3 19%	2498 46%	0 0%	382 7%	0 0%	23 0%	0 0%	432 8%
AUG-2021	15 71%	2150 40%	5 24%	2488 46%	1 5%	374 7%	0 0%	23 0%	0 0%	424 8%
SEP-2021	18 72%	2192 40%	5 20%	2470 46%	2 8%	366 7%	0 0%	23 0%	0 0%	411 8%
OCT-2021	11 73%	2234 41%	3 20%	2469 45%	1 7%	363 7%	0 0%	24 0%	0 0%	398 7%
NOV-2021	17 77%	2303 42%	4 18%	2459 45%	1 5%	348 6%	0 0%	24 0%	0 0%	392 7%
DEC-2021	8 57%	2348 42%	5 36%	2463 45%	1 7%	349 6%	0 0%	24 0%	0 0%	380 7%
JAN-2022	11 73%	2421 43%	2 13%	2468 44%	1 7%	347 6%	0 0%	24 0%	1 7%	374 7%
FEB-2022	15 71%	2443 44%	6 29%	2437 44%	0 0%	331 6%	0 0%	21 0%	0 0%	369 7%
MAR-2022	23 85%	2536 45%	3 11%	2460 43%	1 4%	324 6%	0 0%	21 0%	0 0%	370 7%
APR-2022	14 74%	2574 45%	5 26%	2436 43%	0 0%	312 5%	0 0%	20 0%	0 0%	366 6%
MAY-2022	17 77%	2666 46%	5 23%	2455 43%	0 0%	309 5%	0 0%	22 0%	0 0%	360 6%
JUN-2022	29 85%	2710 47%	5 15%	2454 42%	0 0%	300 5%	0 0%	22 0%	0 0%	352 6%
JUL-2022	24 69%	2746 47%	7 20%	2452 42%	3 9%	297 5%	0 0%	22 0%	1 3%	342 6%
AUG-2022	26 76%	2793 48%	6 18%	2453 42%	1 3%	294 5%	1 3%	22 0%	1 3%	340 6%
SEP-2022	19 73%	2823 48%	7 27%	2437 42%	0 0%	281 5%	0 0%	21 0%	0 0%	323 6%
OCT-2022	27 79%	2895 49%	6 18%	2449 41%	1 3%	280 5%	0 0%	22 0%	0 0%	313 5%

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-2021	1273	17.24	912	12.35	4191	56.76	202	2.74	693	9.39	113	1.53
FEB-2021	1233	16.71	894	12.12	4226	57.28	223	3.02	689	9.34	113	1.53
MAR-2021	1210	16.28	890	11.97	4274	57.50	246	3.31	707	9.51	106	1.43
APR-2021	1166	15.72	868	11.70	4319	58.23	273	3.68	690	9.30	101	1.36
MAY-2021	1146	15.38	858	11.51	4348	58.35	296	3.97	704	9.45	100	1.34
JUN-2021	1125	15.09	834	11.19	4370	58.61	324	4.35	705	9.46	98	1.31
JUL-2021	1104	14.80	820	10.99	4383	58.75	352	4.72	702	9.41	99	1.33
AUG-2021	1090	14.60	817	10.94	4384	58.73	377	5.05	700	9.38	97	1.30
SEP-2021	1070	14.40	812	10.93	4370	58.80	394	5.30	694	9.34	92	1.24
OCT-2021	1053	14.17	809	10.89	4387	59.03	406	5.46	685	9.22	92	1.24
NOV-2021	1038	13.94	804	10.80	4396	59.04	435	5.84	682	9.16	91	1.22
DEC-2021	1020	13.67	790	10.59	4416	59.18	464	6.22	682	9.14	90	1.21
JAN-2022	985	13.19	773	10.35	4452	59.64	496	6.64	673	9.02	86	1.15
FEB-2022	958	12.97	750	10.15	4409	59.69	522	7.07	667	9.03	80	1.08
MAR-2022	934	12.52	737	9.88	4482	60.10	548	7.35	673	9.02	84	1.13
APR-2022	908	12.24	725	9.77	4473	60.28	565	7.61	669	9.02	80	1.08
MAY-2022	898	12.01	709	9.48	4527	60.55	595	7.96	668	8.93	80	1.07
JUN-2022	873	11.67	705	9.42	4558	60.92	612	8.18	658	8.79	76	1.02
JUL-2022	857	11.43	698	9.31	4579	61.09	632	8.43	654	8.72	76	1.01
AUG-2022	829	11.06	691	9.22	4613	61.53	641	8.55	649	8.66	74	0.99
SEP-2022	801	10.75	693	9.30	4580	61.47	662	8.88	641	8.60	74	0.99
OCT-2022	793	10.59	673	8.99	4630	61.85	678	9.06	638	8.52	74	0.99

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-2021	9	1	3	0	1	2	170
FEB-2021	13	0	2	3	4	4	360
MAR-2021	24	4	5	3	5	5	280
APR-2021	9	2	1	1	1	4	370
MAY-2021	14	1	1	3	2	4	480
JUN-2021	15	4	1	3	2	4	289
JUL-2021	12	1	2	0	2	4	480
AUG-2021	12	1	1	4	2	2	300
SEP-2021	9	0	1	2	2	3	400
OCT-2021	6	1	0	1	0	2	490
NOV-2021	15	3	3	2	2	3	210
DEC-2021	6	1	1	1	3	0	350
JAN-2022	7	1	0	1	1	3	490
FEB-2022	9	0	1	0	1	5	530
MAR-2022	9	4	1	1	1	2	150
APR-2022	1	0	0	0	0	1	820
MAY-2022	13	4	1	1	1	6	490
JUN-2022	15	1	4	1	4	4	400
JUL-2022	13	1	4	3	2	2	225
AUG-2022	17	1	3	3	2	5	330
SEP-2022	15	1	0	3	6	4	405
OCT-2022	18	0	0	1	6	10	520

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-2021	12384	3833
FEB-2021	12377	3828
MAR-2021	12377	3819
APR-2021	12366	3806
MAY-2021	12361	3794
JUN-2021	12362	3788
JUL-2021	12383	3807
AUG-2021	12379	3815
SEP-2021	12348	3783
OCT-2021	12335	3775
NOV-2021	12339	3767
DEC-2021	12319	3761
JAN-2022	12306	3761
FEB-2022	12330	3776
MAR-2022	12359	3792
APR-2022	12389	3817
MAY-2022	12380	3806
JUN-2022	12395	3808
JUL-2022	12421	3817
AUG-2022	12442	3829
SEP-2022	12462	3838
OCT-2022	12491	3858

Definitions:

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

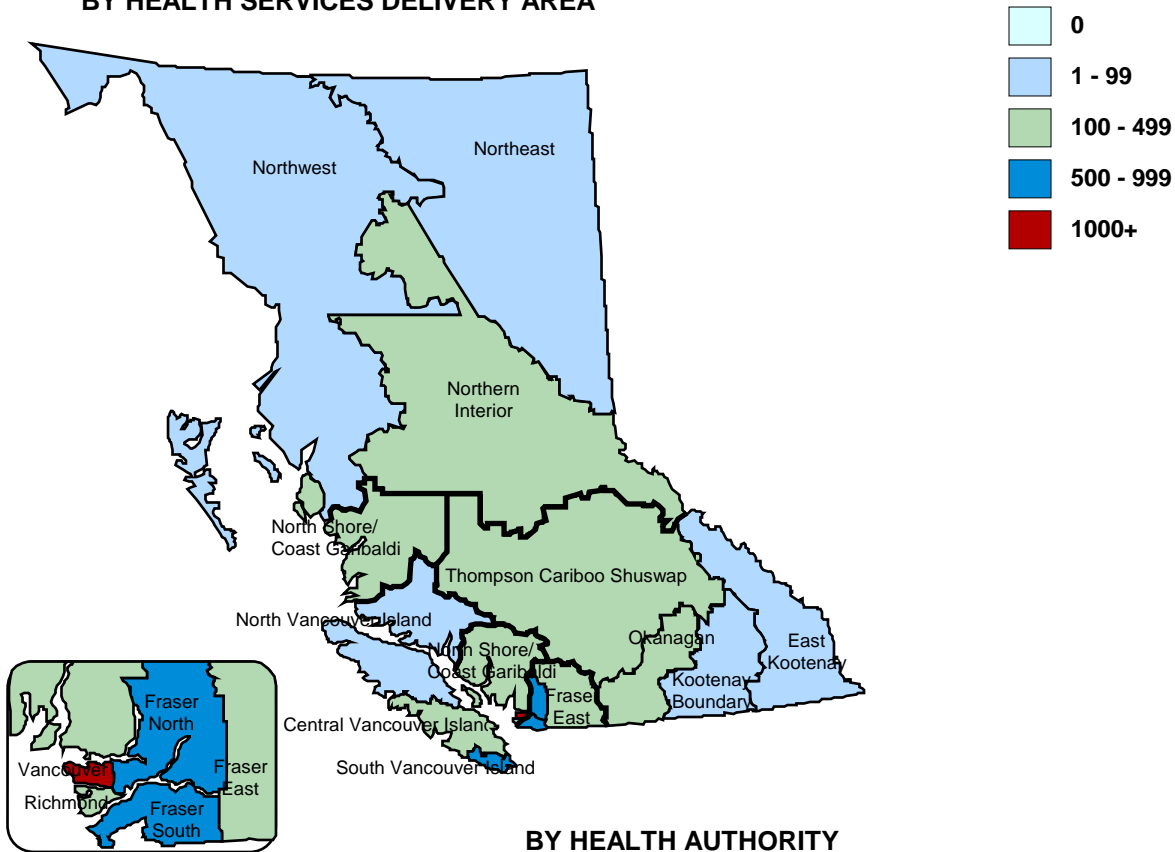
Never on ART are subset of patients with PVL test, and not being treated with ARVs on or before specified month



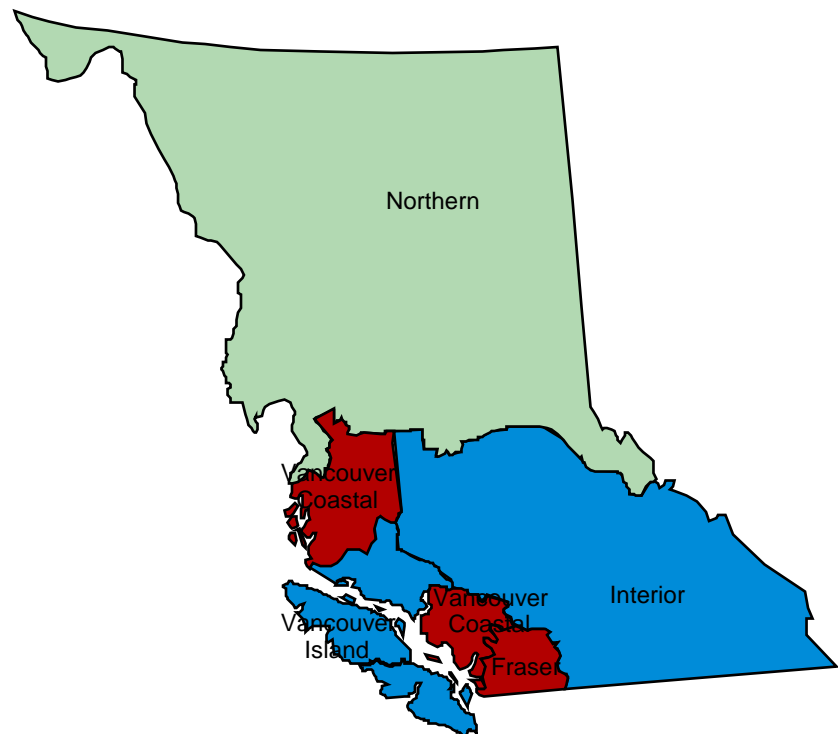


3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants N = 7486
Oct-2022

BY HEALTH SERVICES DELIVERY AREA



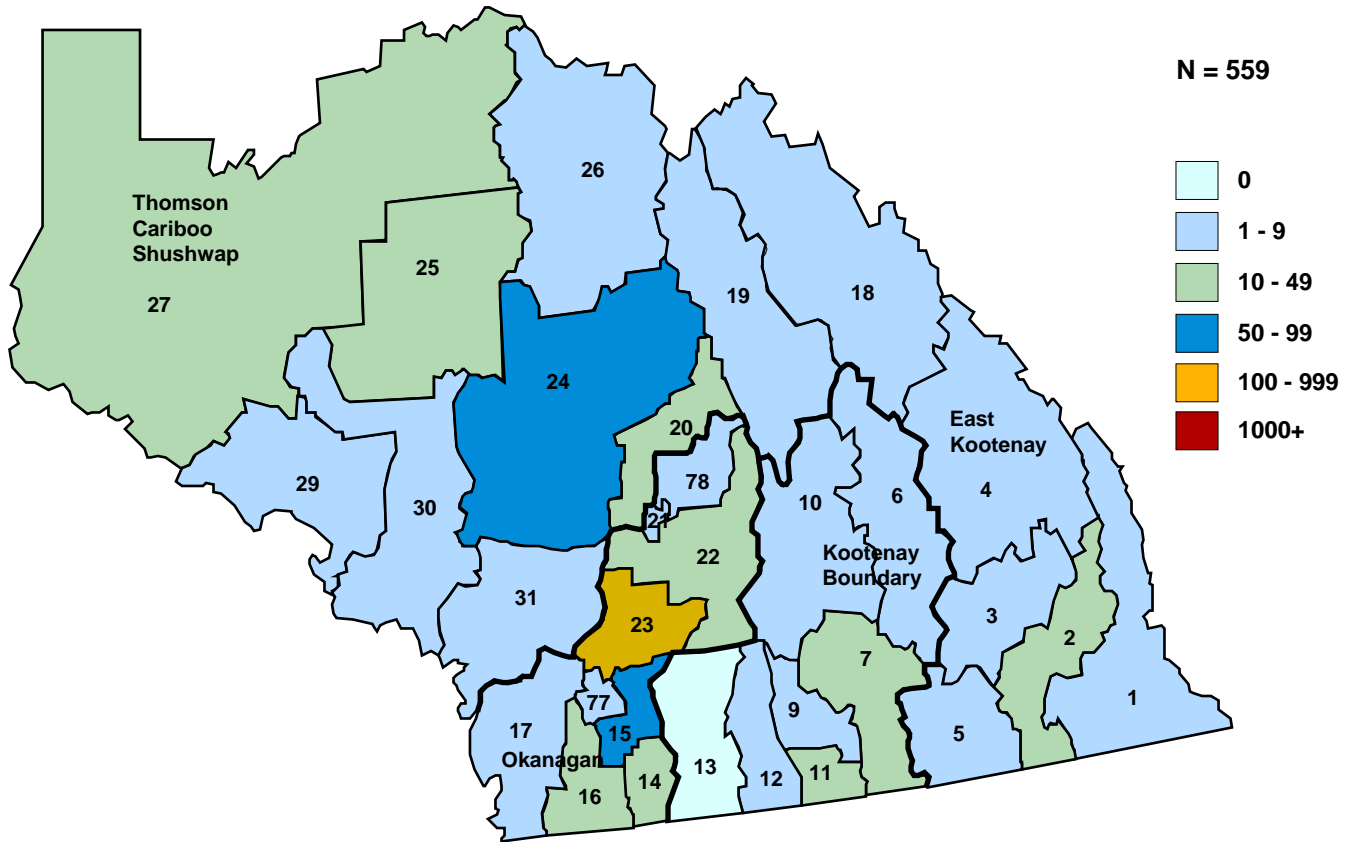
BY HEALTH AUTHORITY



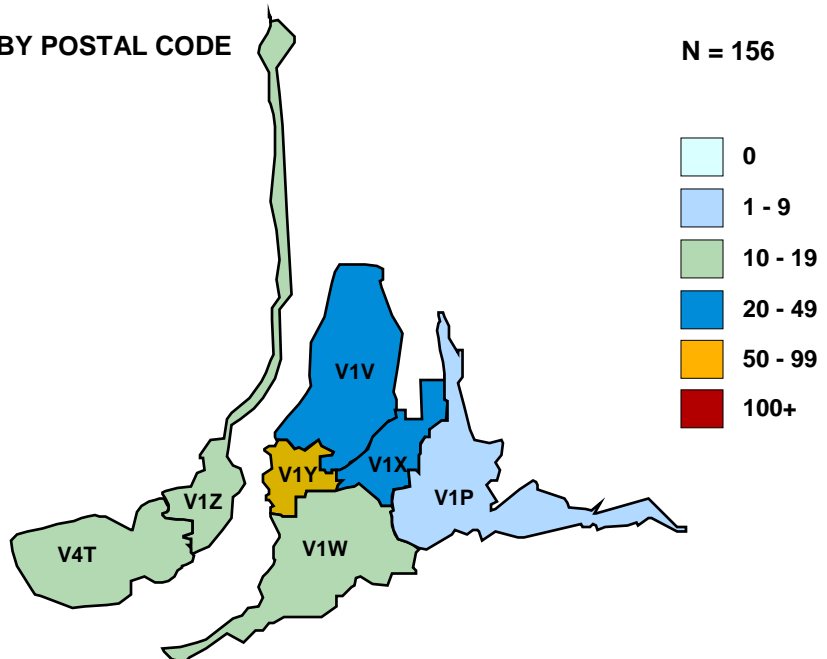


3.2 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Oct-2022

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



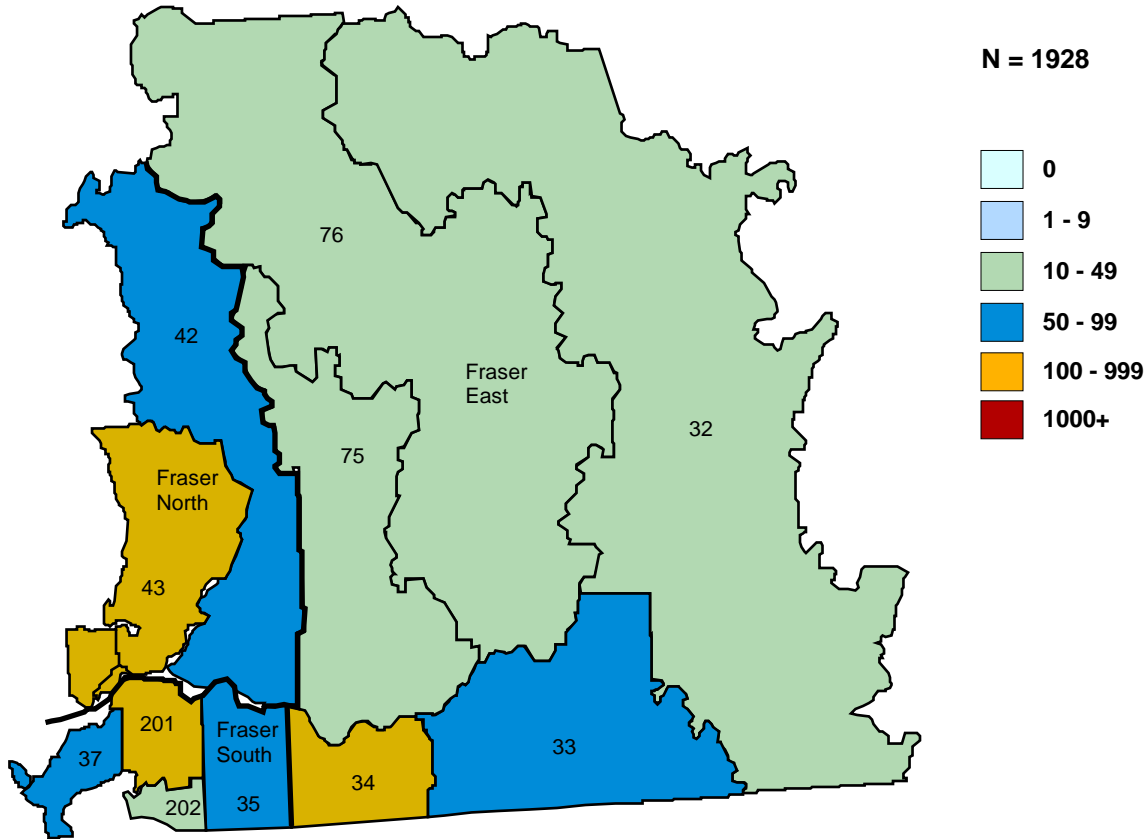
KELOWNA BY POSTAL CODE



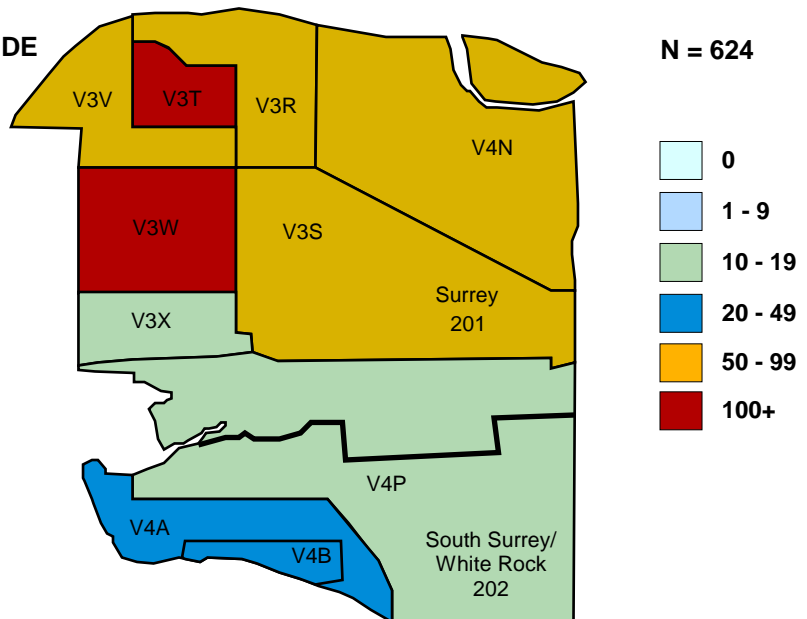


3.3 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Oct-2022

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



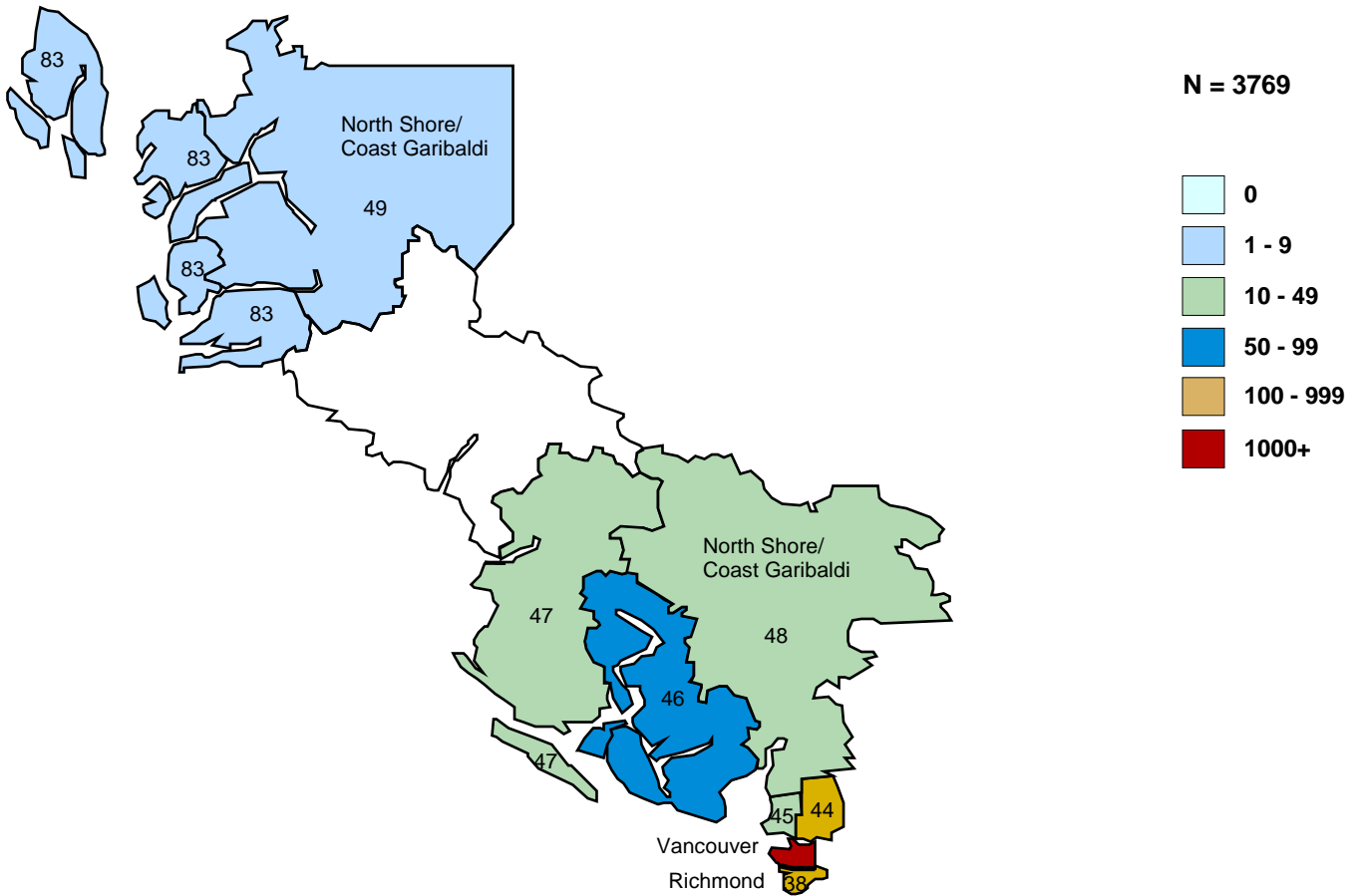
SURREY BY POSTAL CODE



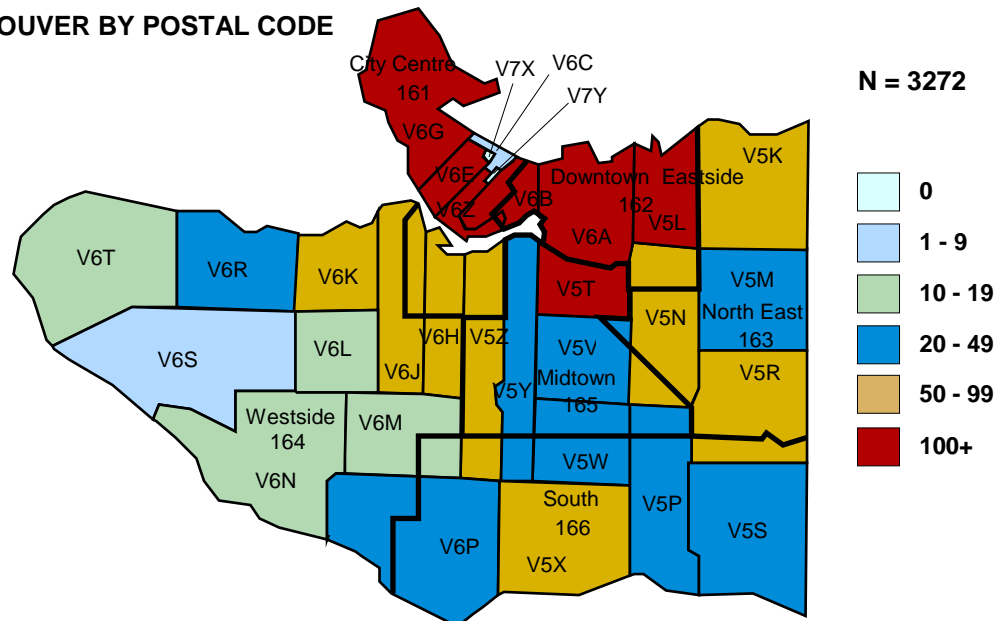


3.4 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Oct-2022

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



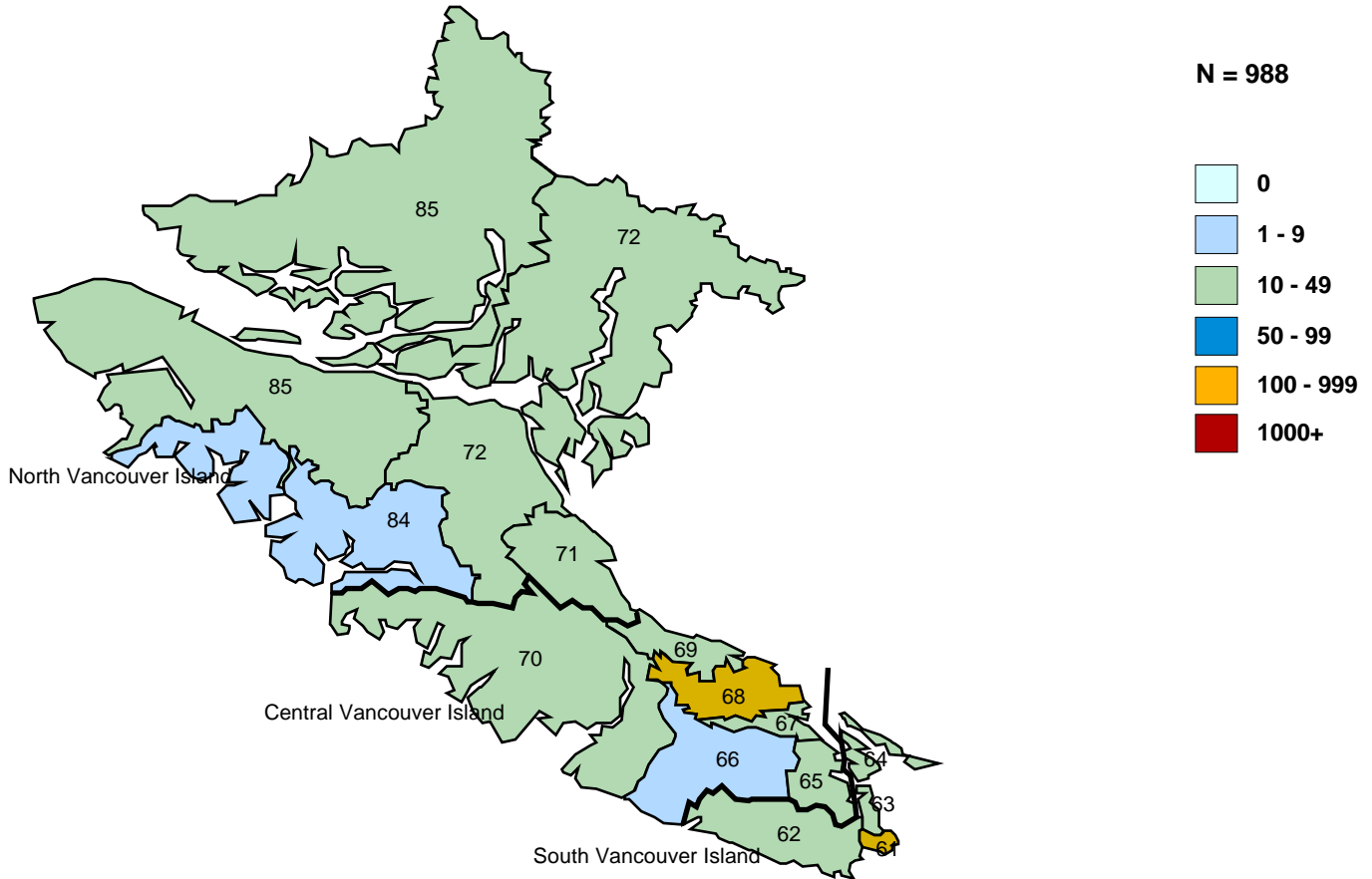
VANCOUVER BY POSTAL CODE



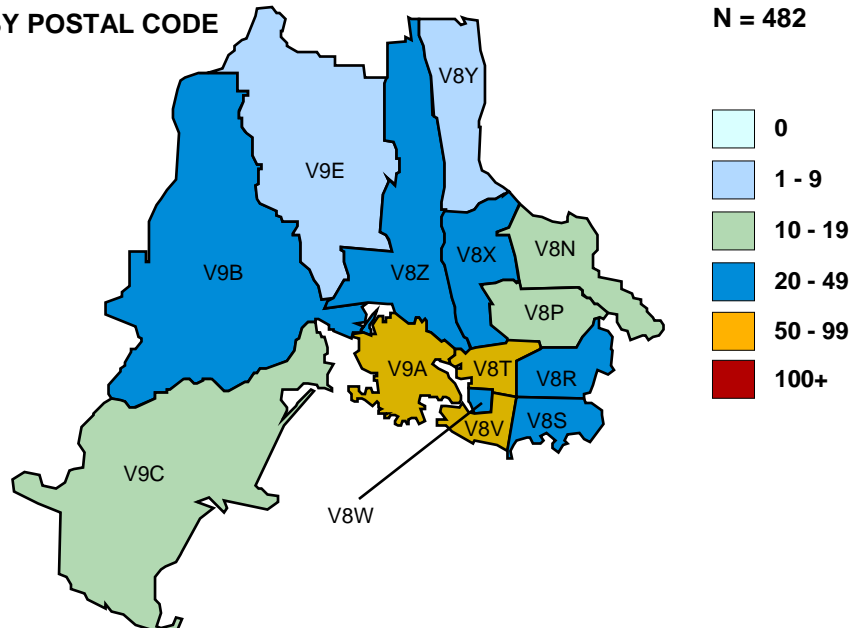


3.5 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Oct-2022

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



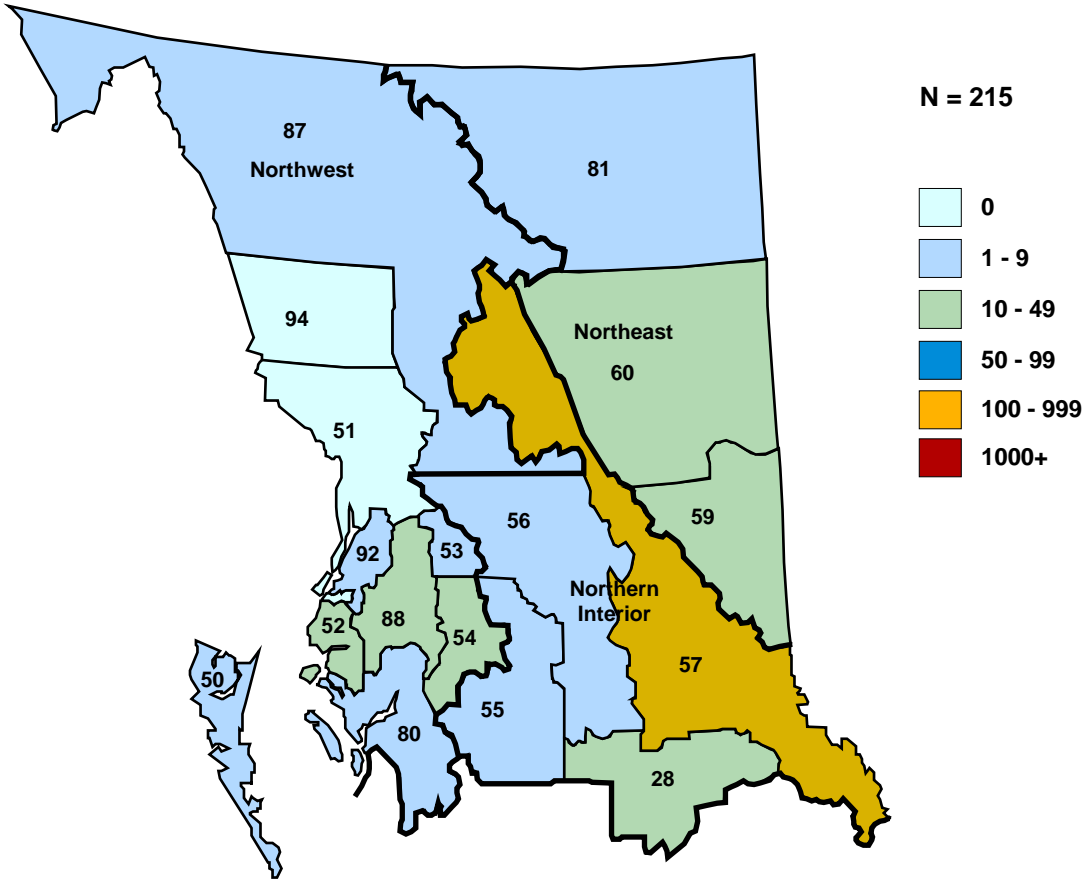
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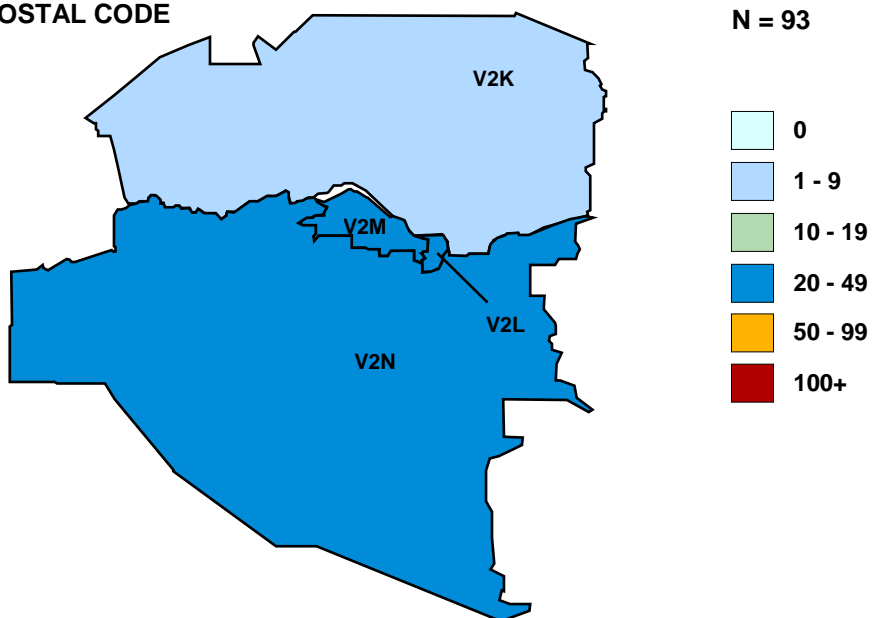


3.6 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Oct-2022

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 Sex at Birth INTERIOR Health Authority

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
EAST KOOTENAY	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:	44	60	27
KOOTENAY BOUNDARY	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	78	105	58	
OKANAGAN	0-19	*	*	0
	20-34	*	*	25
	35-49	*	*	83
	50+	*	*	210
Total HSDA:	426	576	318	
THOMPSON/CARIBOO/ SHUSWAP	20-34	23	23	14
	35-49	60	64	38
	50+	132	207	104
Total HSDA:	215	294	156	
Total HA:		763	1035	559

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		763	1035	559

Sex at Birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	158	215	114
Male	605	820	445

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	559	56	640	<40

* 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	22	12
	5 years or more	12	7
	<5 years	10	8
	Total HSDA:	44	27
KOOTENAY BOUNDARY	10 years or more	48	30
	5 years or more	15	13
	<5 years	15	15
	Total HSDA:	78	58
OKANAGAN	10 years or more	274	195
	5 years or more	83	63
	<5 years	69	60
	Total HSDA:	426	318
THOMPSON/CARIBOO/ SHUSWAP	10 years or more	138	105
	5 years or more	45	29
	<5 years	32	22
	Total HSDA:	215	156
Total HA:		763	559

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	482	342
	5 years or more	155	112
	<5 years	126	105
Total HA:		763	559

* 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 Prescribers in BC-CfE Registries INTERIOR Health Authority

HSDA of Prescriber Residency	# of Prescribers ever prescribed ARVs	# of Patients ever treated by Prescribers	# of Prescribers currently prescribing ARVs	# of Patients currently treated by Prescribers
EAST KOOTENAY	51	70	11	20
KOOTENAY BOUNDARY	77	136	24	48
OKANAGAN	235	1050	51	341
THOMPSON/CARIBOO/SHUSWAP	150	555	35	137
Total:	513	1811	121	546

HSDA of Patient Residency	# of Patients seeking Prescriber's care out of HA
EAST KOOTENAY	*
KOOTENAY BOUNDARY	*
OKANAGAN	*
THOMPSON/CARIBOO/SHUSWAP	*
Total:	114

* 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 Prescriber out of HA is defined as patients residing in specified HSDA, but their follow-up prescriber(s) reside in another HA





4.4 Distribution of Participants in BC-CfE Registries by Age and Sex at Birth FRASER Health Authority

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
FRASER EAST	0-19	6	6	5
	20-34	34	36	26
	35-49	96	100	59
	50+	256	355	187
	Total HSDA:	392	497	277
FRASER NORTH	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:	1129	1526	843
FRASER SOUTH	0-19	8	8	7
	20-34	104	106	77
	35-49	291	320	222
	50+	617	933	502
	Total HSDA:	1020	1367	808
Total HA:		2541	3390	1928

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	16	16	14
	20-34	258	262	182
	35-49	748	807	551
	50+	1519	2305	1181
Total HA:		2541	3390	1928

Sex at Birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	613	783	444
Male	1928	2607	1484

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	1928	53	646	<40

* 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	257	190
	5 years or more	70	41
	<5 years	65	46
	Total HSDA:	392	277
FRASER NORTH	10 years or more	705	511
	5 years or more	239	186
	<5 years	185	146
	Total HSDA:	1129	843
FRASER SOUTH	10 years or more	631	487
	5 years or more	220	173
	<5 years	169	148
	Total HSDA:	1020	808
Total HA:		2541	1928

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	1593	1188
	5 years or more	529	400
	<5 years	419	340
Total HA:		2541	1928

* 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 Prescribers in BC-CfE Registries FRASER Health Authority

HSDA of Prescriber Residency	# of Prescribers ever prescribed ARVs	# of Patients ever treated by Prescribers	# of Prescribers currently prescribing ARVs	# of Patients currently treated by Prescribers
FRASER EAST	144	527	27	58
FRASER NORTH	259	1602	39	214
FRASER SOUTH	226	1762	49	480
Total:	629	3891	115	752

HSDA of Patient Residency	# of Patients seeking Prescriber's care out of HA
FRASER EAST	192
FRASER NORTH	704
FRASER SOUTH	454
Total:	1350

* 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 Prescriber out of HA is defined as patients residing in specified HSDA, but their follow-up prescriber(s) reside in another HA





**4.7 Distribution of Participants in BC-CfE Registries by Age and Sex at Birth
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:		357	523
RICHMOND	20-34	29	30	16
	35-49	46	47	37
	50+	116	171	97
	Total HSDA:	191	248	150
VANCOUVER	0-19	12	12	9
	20-34	440	455	303
	35-49	1260	1401	895
	50+	2969	5251	2130
	Total HSDA:	4681	7119	3337
Total HA:		5229	7890	3769

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	13	13	10
	20-34	498	514	337
	35-49	1384	1534	991
	50+	3334	5829	2431
Total HA:		5229	7890	3769

Sex at Birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	603	961	449
Male	4624	6927	3320
Unknown	2	2	0

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	3769	55	660	<40

* 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	241	189
	5 years or more	60	51
	<5 years	56	42
	Total HSDA:	357	282
RICHMOND	10 years or more	118	90
	5 years or more	33	25
	<5 years	40	35
	Total HSDA:	191	150
VANCOUVER	10 years or more	3213	2218
	5 years or more	843	620
	<5 years	625	499
	Total HSDA:	4681	3337
Total HA:		5229	3769

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	3572	2497
	5 years or more	936	696
	<5 years	721	576
Total HA:		5229	3769

* 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 Prescribers in BC-CfE Registries
VANCOUVER COASTAL Health Authority**

HSDA of Prescriber Residency	# of Prescribers ever prescribed ARVs	# of Patients ever treated by Prescribers	# of Prescribers currently prescribing ARVs	# of Patients currently treated by Prescribers
NORTH SHORE/COAST GARIBALDI	188	417	44	64
RICHMOND	46	308	9	92
VANCOUVER	672	11437	208	5392
Total:	906	12162	261	5548

HSDA of Patient Residency	# of Patients seeking Prescriber'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 Prescriber out of HA is defined as patients residing in specified HSDA, but their follow-up prescriber(s) reside in another HA





**4.10 Distribution of Participants in BC-CfE Registries by Age and Sex at Birth
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:		355	516
NORTH VANCOUVER ISLAND	0-19	*	*	0
	20-34	*	*	7
	35-49	*	*	18
	50+	*	*	70
	Total HSDA:		126	176
SOUTH VANCOUVER ISLAND	20-34	76	82	58
	35-49	188	214	142
	50+	527	843	407
	Total HSDA:	791	1139	607
Total HA:		1272	1831	988

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		1272	1831	988

Sex at Birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	218	317	164
Male	1054	1514	824

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	988	56	580	<40

* 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	213	176
	5 years or more	83	63
	<5 years	59	47
	Total HSDA:	355	286
NORTH VANCOUVER ISLAND	10 years or more	85	67
	5 years or more	29	17
	<5 years	12	11
	Total HSDA:	126	95
SOUTH VANCOUVER ISLAND	10 years or more	475	341
	5 years or more	166	137
	<5 years	150	129
	Total HSDA:	791	607
Total HA:		1272	988

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	773	584
	5 years or more	278	217
	<5 years	221	187
Total HA:		1272	988

* 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 Prescribers in BC-CfE Registries
VANCOUVER ISLAND Health Authority**

HSDA of Prescriber Residency	# of Prescribers ever prescribed ARVs	# of Patients ever treated by Prescribers	# of Prescribers currently prescribing ARVs	# of Patients currently treated by Prescribers
CENTRAL VANCOUVER ISLAND	203	922	74	187
NORTH VANCOUVER ISLAND	156	278	38	68
SOUTH VANCOUVER ISLAND	218	1915	35	578
Total:	577	3115	147	833

HSDA of Patient Residency	# of Patients seeking Prescriber's care out of HA
CENTRAL VANCOUVER ISLAND	107
NORTH VANCOUVER ISLAND	42
SOUTH VANCOUVER ISLAND	129
Total:	278

* 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 Prescriber out of HA is defined as patients residing in specified HSDA, but their follow-up prescriber(s) reside in another HA





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

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
NORTH EAST	20-34	8	8	5
	35-49	16	19	9
	50+	26	34	13
	Total HSDA:	50	61	27
NORTH WEST	20-34	*	6	*
	35-49	*	38	*
	50+	*	75	*
	Total HSDA:	72	119	55
NORTHERN INTERIOR	0-19	6	6	*
	20-34	21	22	*
	35-49	57	73	*
	50+	113	192	*
	Total HSDA:	197	293	133
Total HA:		319	473	215

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	6	6	*
	20-34	33	36	*
	35-49	97	130	*
	50+	183	301	*
Total HA:		319	473	215

Sex at Birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	115	174	72
Male	204	299	143

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	215	53	560	<40

* 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	30	*
	5 years or more	6	*
	<5 years	14	*
	Total HSDA:	50	27
NORTH WEST	10 years or more	51	37
	5 years or more	11	10
	<5 years	10	8
	Total HSDA:	72	55
NORTHERN INTERIOR	10 years or more	101	75
	5 years or more	56	30
	<5 years	40	28
	Total HSDA:	197	133
Total HA:		319	215

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	182	125
5 years or more	73	44
<5 years	64	46
Total HA:	319	215

* 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 Prescribers in BC-CfE Registries
NORTHERN Health Authority**

HSDA of Prescriber Residency	# of Prescribers ever prescribed ARVs	# of Patients ever treated by Prescribers	# of Prescribers currently prescribing ARVs	# of Patients currently treated by Prescribers
NORTH EAST	40	64	5	7
NORTH WEST	84	169	13	32
NORTHERN INTERIOR	122	498	23	191
Total:	246	731	41	230

HSDA of Patient Residency	# of Patients seeking Prescriber'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 Prescriber out of HA is defined as patients residing in specified HSDA, but their follow-up prescriber(s) reside in another HA





4.16 Distribution of Indigenous Participants in BC-CfE Registries by Health Service Delivery Area and Sex at Birth

HA	HSDA	Alive	Ever treated with ARVs	Currently treated with ARVs
INTERIOR	EAST KOOTENAY	5	11	*
	KOOTENAY BOUNDARY	6	9	*
	OKANAGAN	31	50	*
	THOMPSON/CARIBOO/SHUSWAP	27	51	*
	Total HA:	69	121	52
FRASER	FRASER EAST	35	48	25
	FRASER NORTH	50	91	42
	FRASER SOUTH	85	120	61
	Total HA:	170	259	128
VANCOUVER COASTAL	NORTH SHORE/COAST GARIBALDI	28	54	*
	RICHMOND	6	11	*
	VANCOUVER	466	904	*
	Total HA:	500	969	396
VANCOUVER ISLAND	CENTRAL VANCOUVER ISLAND	45	79	38
	NORTH VANCOUVER ISLAND	14	27	10
	SOUTH VANCOUVER ISLAND	47	94	38
	Total HA:	106	200	86
NORTHERN	NORTH EAST	9	13	*
	NORTH WEST	31	66	*
	NORTHERN INTERIOR	69	115	*
	Total HA:	109	194	75
Total:		954	1743	737

Sex at Birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	348	623	272
Male	606	1120	465

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total:	737	53	530	<40

* 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: 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

Antiretroviral: 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): a PROTEASE INHIBITOR from Bristol-Myers Squibb.

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

Atripla: 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.

Complera: the Gilead trade name for a tablet containing EMTRICITABINE, RILPIVIRINE and TENOFOVIR DF.

Darunavir (Prezista): a PROTEASE INHIBITOR from Janssen that has activity against HIV in treatment-experienced patients.

Deceased: persons enrolled in the HIV/AIDS Drug Treatment program that died in this time period.

Descovy: the Gilead trade name for a tablet containing EMTRICITABINE and TENOFOVIR AF.

Didanosine (Videx): a NUCLEOSIDE ANALOG from Bristol-Myers Squibb.

Dolutegravir (Tivicay): an INTEGRASE INHIBITOR from ViiV Healthcare.





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

Efavirenz (Sustiva, Auro efavirenz): a NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR (NNRTI) from Bristol-Myers Squibb.

Elvitegravir: an INTEGRASE INHIBITOR from Gilead Sciences. It is currently available as a component of STRIBILD.

Emtricitabine: a NUCLEOSIDE ANALOG from Gilead Sciences. It is currently available as a component of TRUVADA and other combinations.

Enfuvirtide (Fuzeon): 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): a NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR from Janssen that has activity against HIV in treatment-experienced patients.

First started program: a person prescribed their first regimen ever in the HIV/AIDS drug treatment program.

Fosamprenavir (Telzir): 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: the Gilead trade name for a tablet containing ELVITEGRAVIR, COBICSTAT, EMTRICITABINE and TENOFOVIR AF.

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: the ViiV Healthcare's trade name for a tablet containing both ABACAVIR and LAMIVUDINE.

Lamivudine: a NUCLEOSIDE ANALOG from ViiV Healthcare with activity against HIV and hepatitis B.

Lopinavir (Kaletra): a PROTEASE INHIBITOR from Abbott Laboratories. Kaletra is a combination of lopinavir and a low dose of RITONAVIR, a drug that improves blood levels of lopinavir.

Maraviroc (Celsentri): 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.





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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): 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): 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.

Odefsey: 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).

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

PI: see PROTEASE INHIBITOR.

Prezcobix: 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 (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.





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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): a NON-NUCELOSIDE REVERSE TRANSCRIPTASE INHIBITOR (NNRTI) from Janssen.

Ritonavir (Norvir): 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): a PROTEASE INHIBITOR from Hoffman-La Roche.

Stavudine (Zerit): 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: 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): 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: the ViiV Healthcare’s trade name for a tablet containing DOLUTEGRAVIR, ABACAVIR and LAMIVUDINE.

Trizivir: the ViiV Healthcare’s trade name for a tablet containing ABACAVIR, ZIDOVUDINE and LAMIVUDINE.

Truvada: the Gilead trade name for a tablet containing TENOFOVIR DF and EMTRICITABINE.

Valganciclovir: an antiviral drug used to treat cytomegalovirus (CMV) retinitis.

Viral Load: the amount of HIV RNA per unit of blood plasma. An indicator of virus concentration and reproduction rate. HIV viral load is employed as a measure of the success of antiretroviral therapy.

Zidovudine (Retrovir): a NUCLEOSIDE ANALOG from ViiV Healthcare. AZT is also approved for preventing maternal-fetal HIV transmission.

