



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS

B.C. HIV/AIDS Drug Treatment Program

Monthly Report

October 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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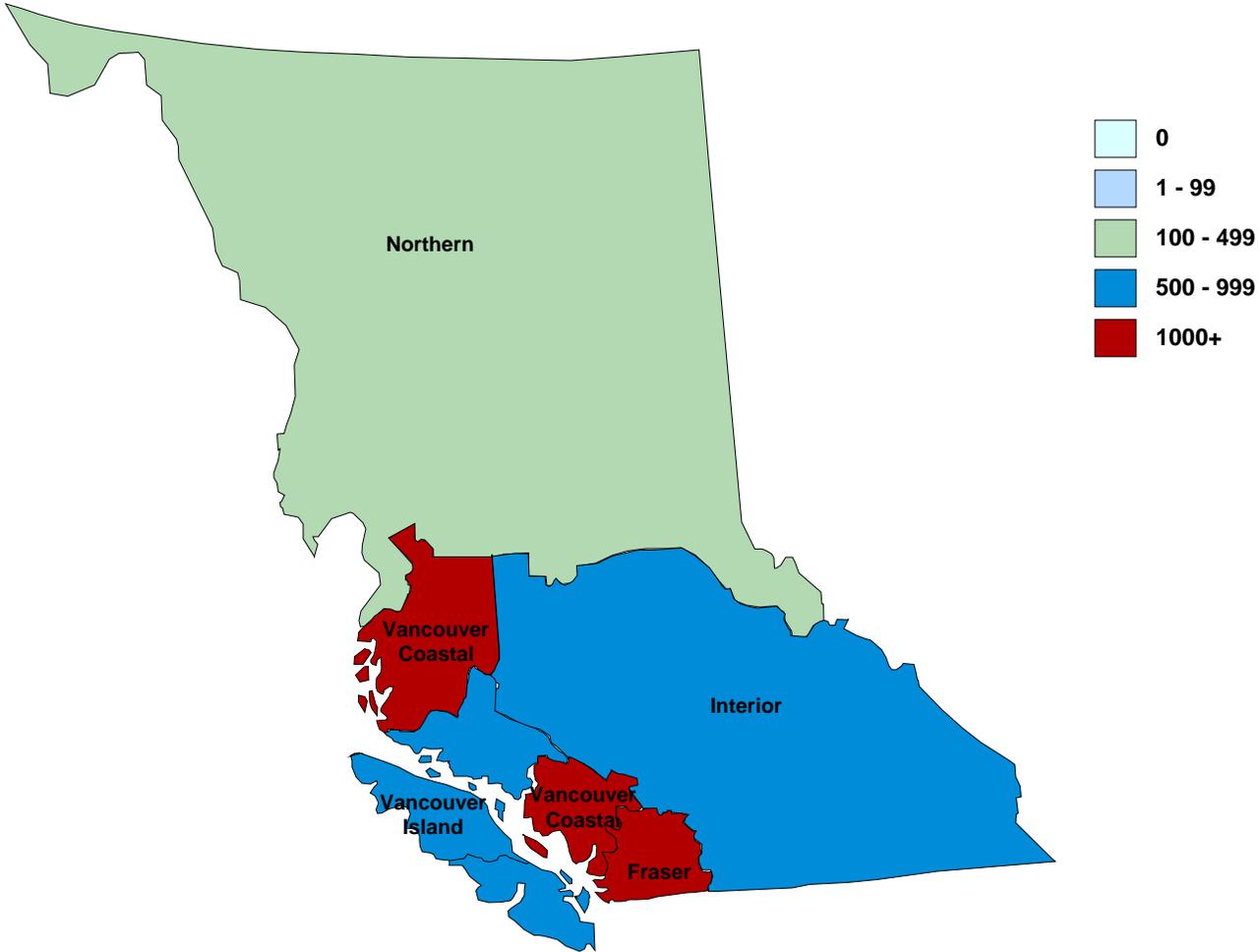




1.1 Distribution of men and women on antiretroviral therapy in British Columbia by Health Authority

October 2021

N = 7449



Health Authority	Male	Female	All
FRASER	1480	443	1923
INTERIOR	446	105	551
NORTHERN	142	81	223
VANCOUVER COASTAL	3317	430	3747
VANCOUVER ISLAND	799	167	966
	6184	1226	7410
		Unknown/not stated:	39
		Total:	7449

Definitions:

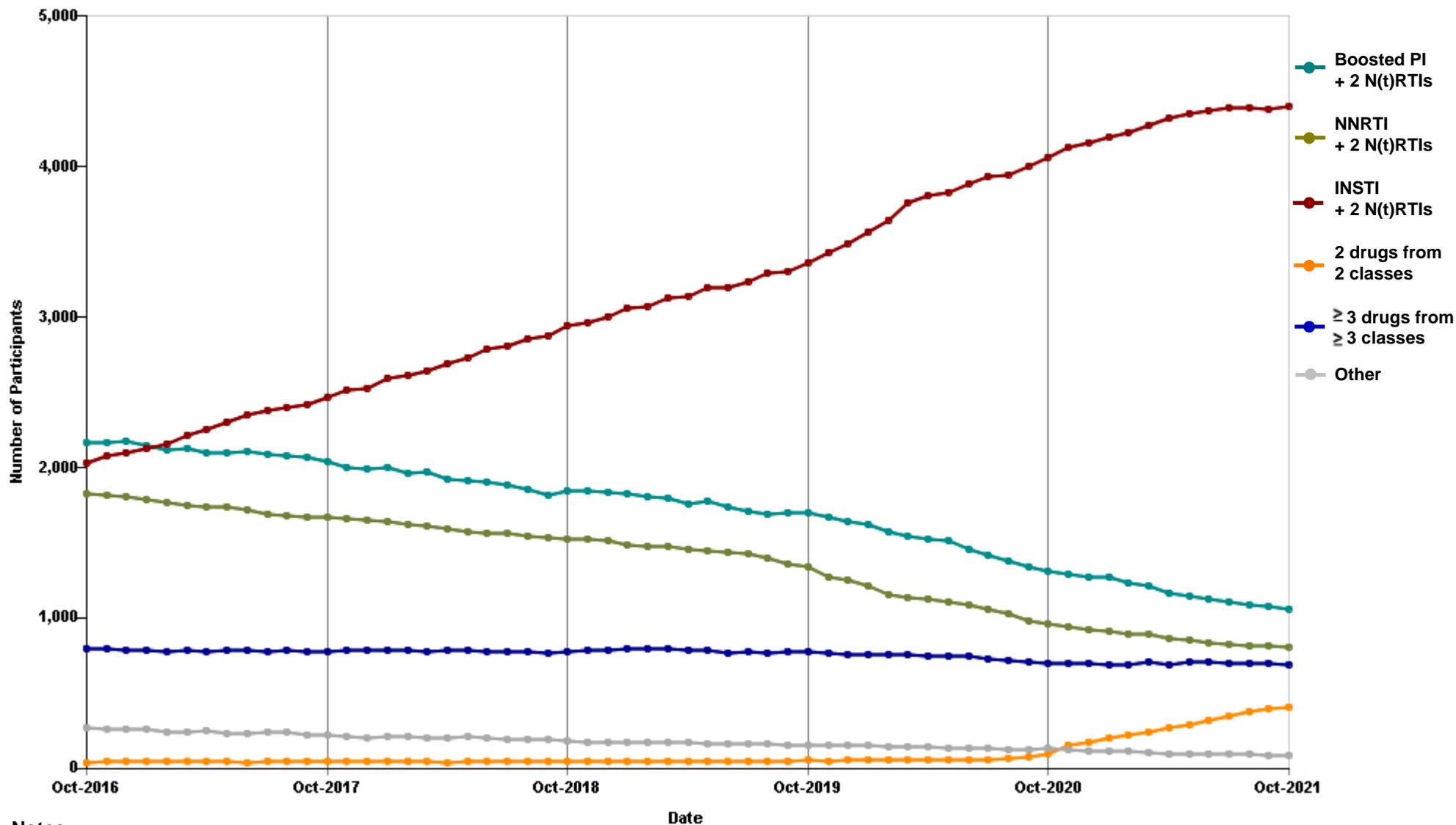
On antiretroviral therapy defined as being on treatment in the current month

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 (October 2016 - October 2021)



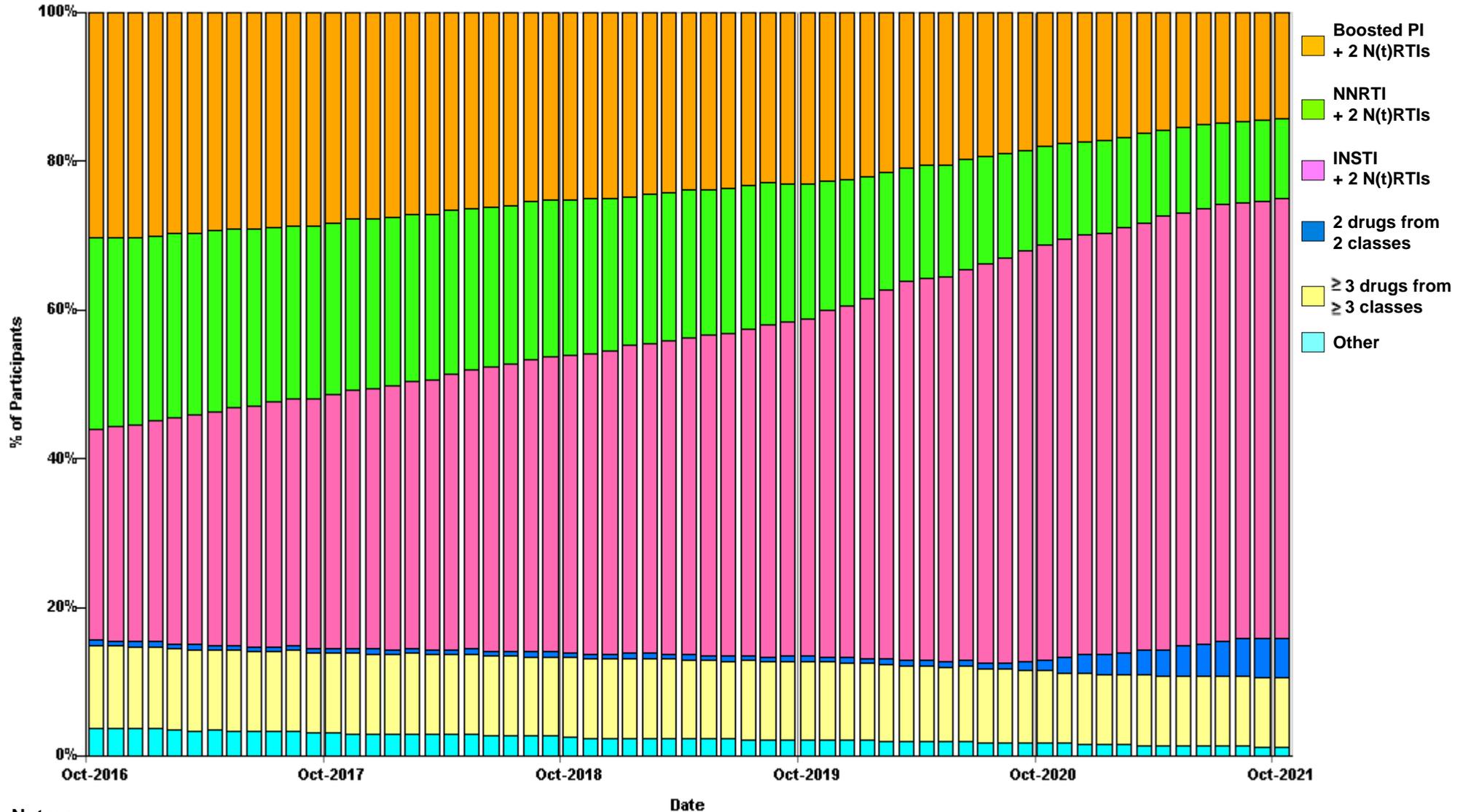
Notes:

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 (October 2016 - October 2021)



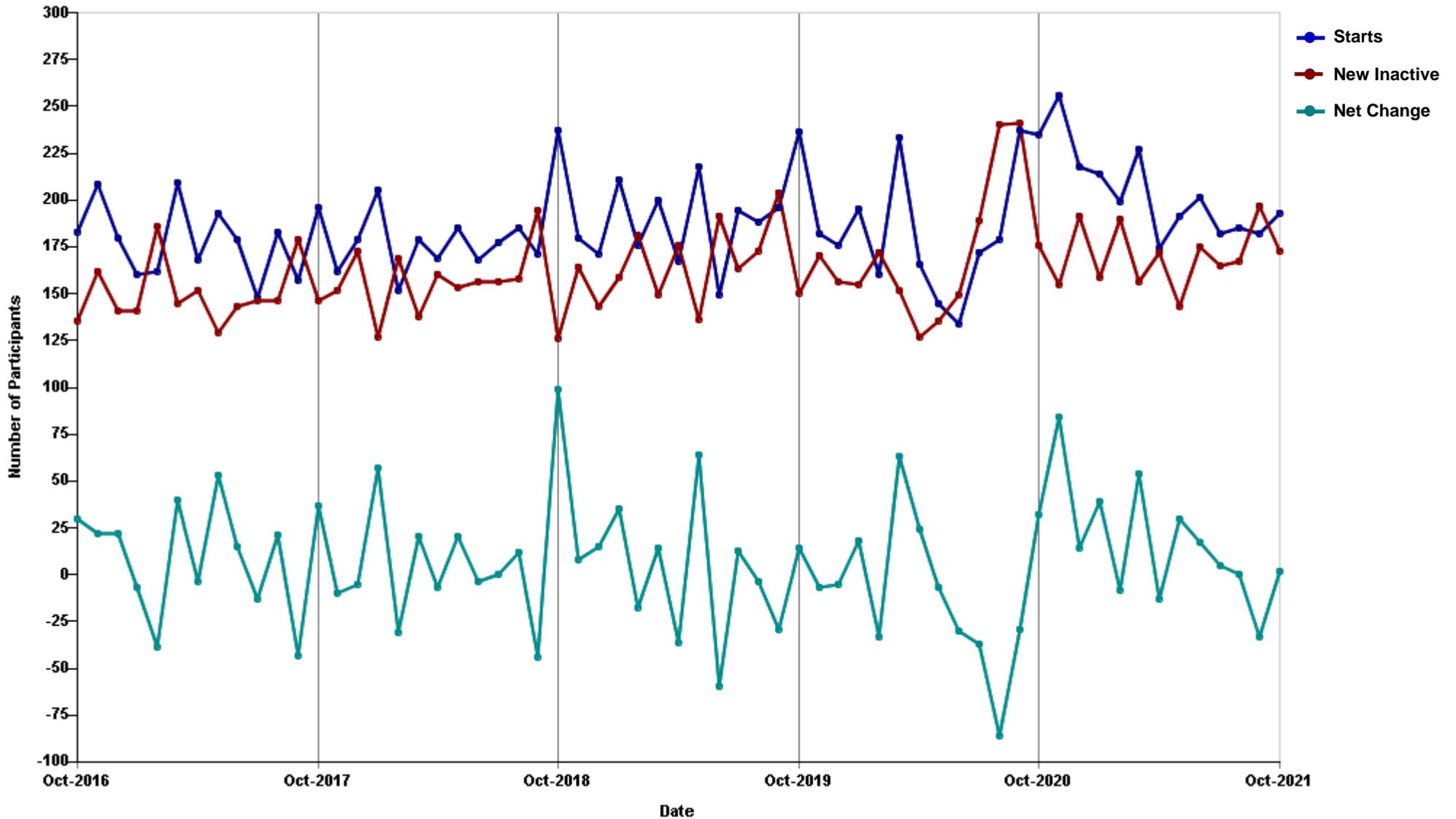
Notes:

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



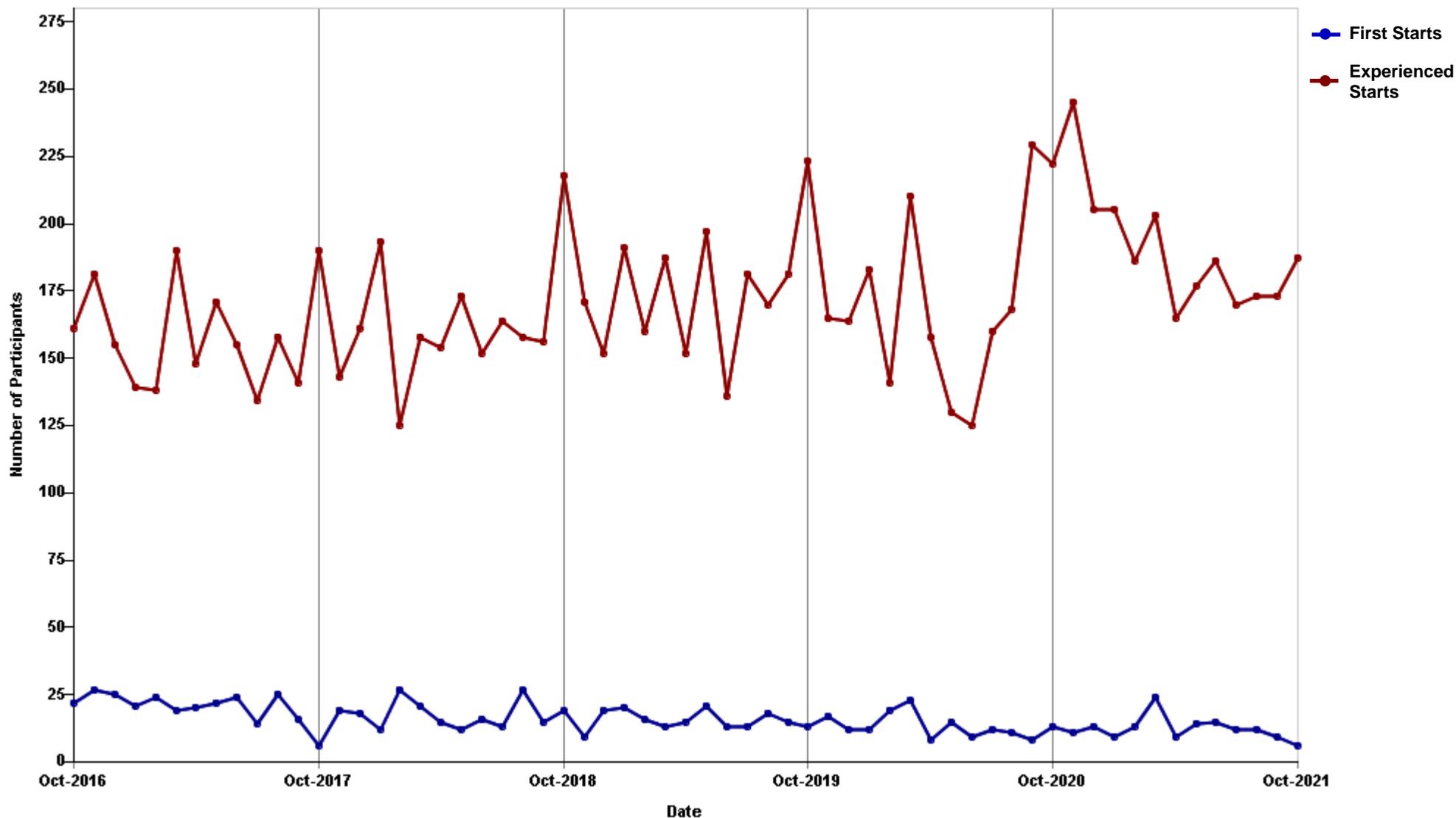


1.4 BC-CfE Enrolment: Net Number of New Antiretroviral Participants (October 2016 - October 2021)



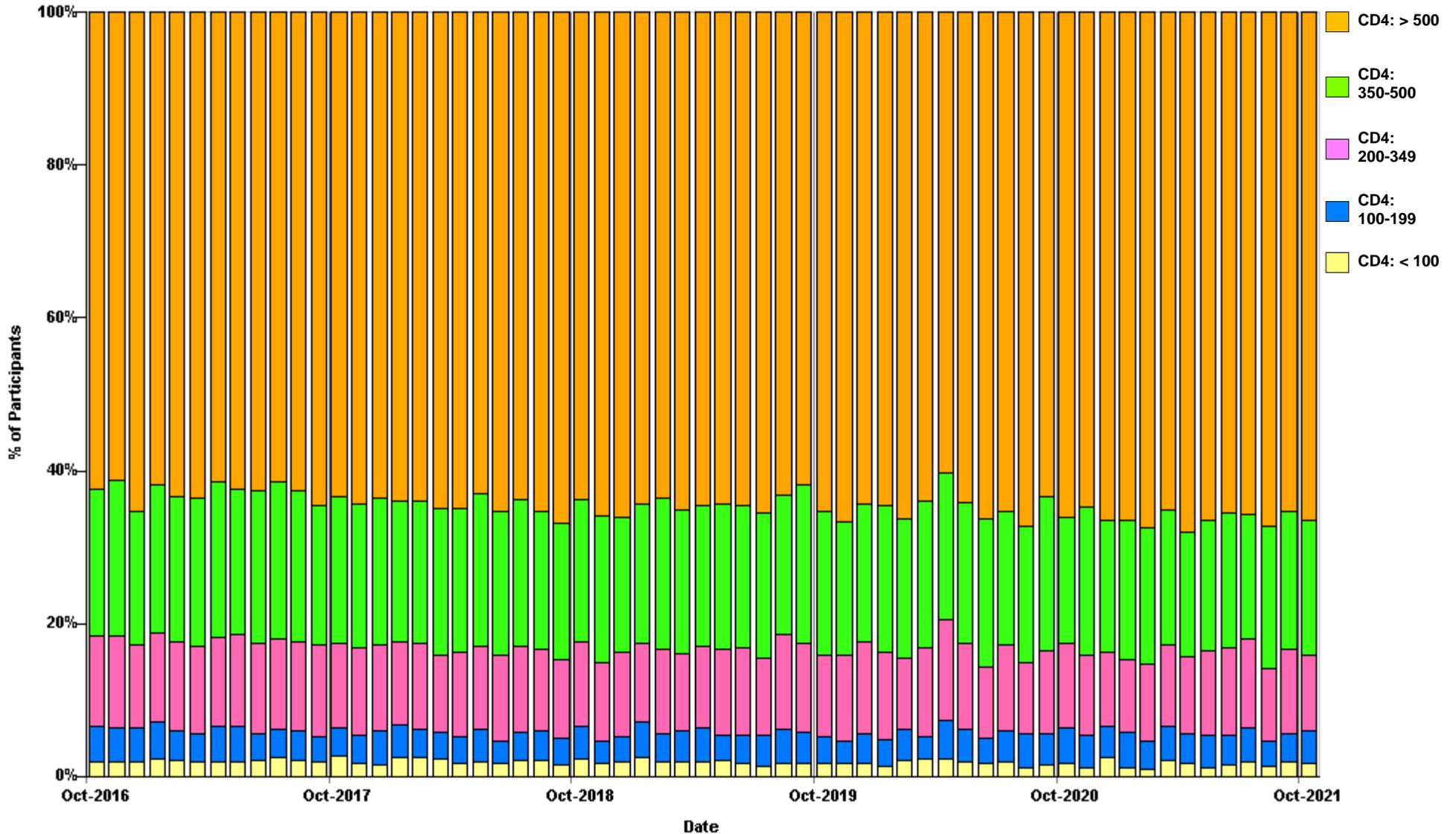


1.5 BC-CfE Enrolment: New Antiretroviral Participants (October 2016 - October 2021)



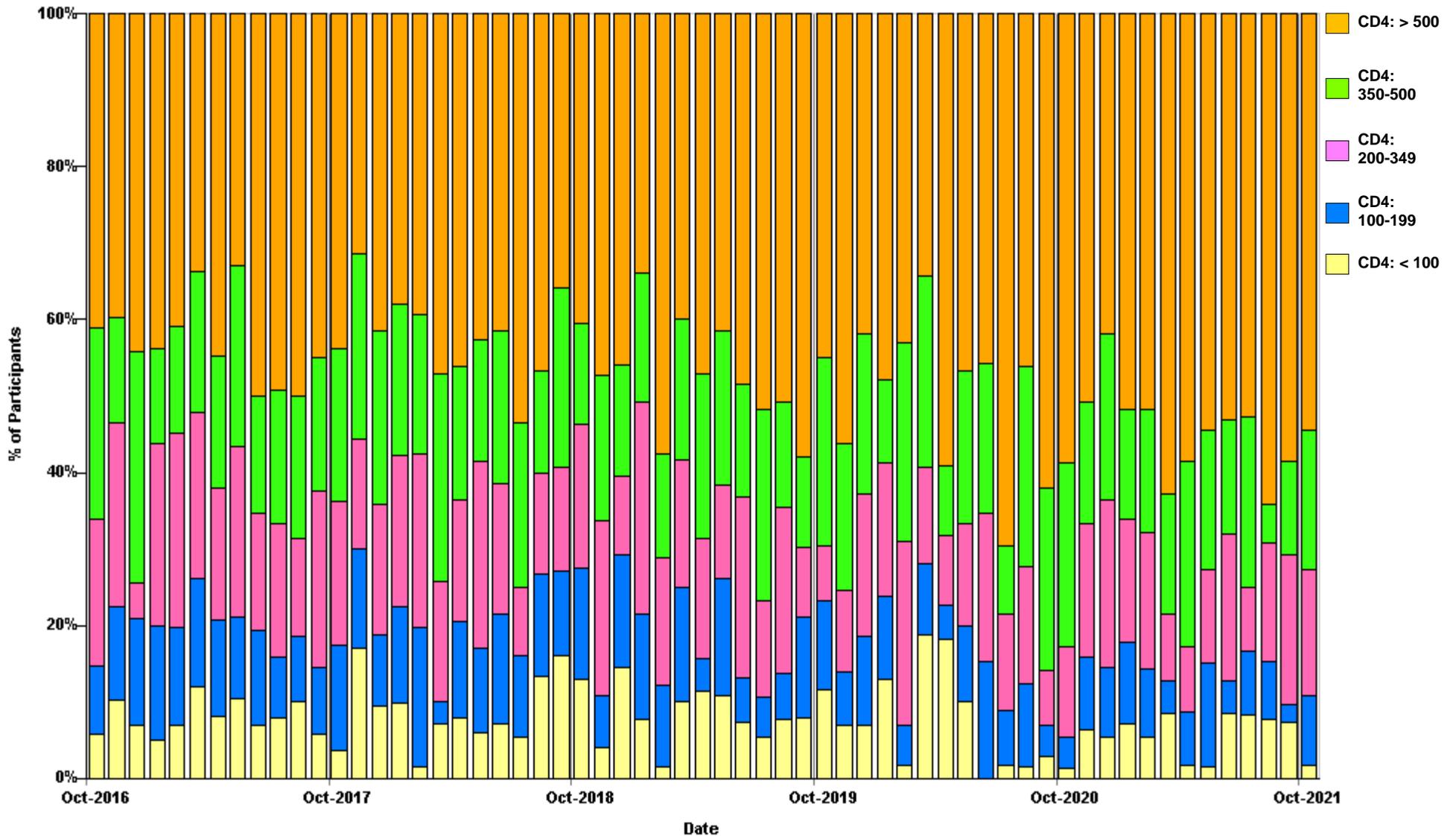


1.6 Percent Distribution of Active Participants by CD4 Count
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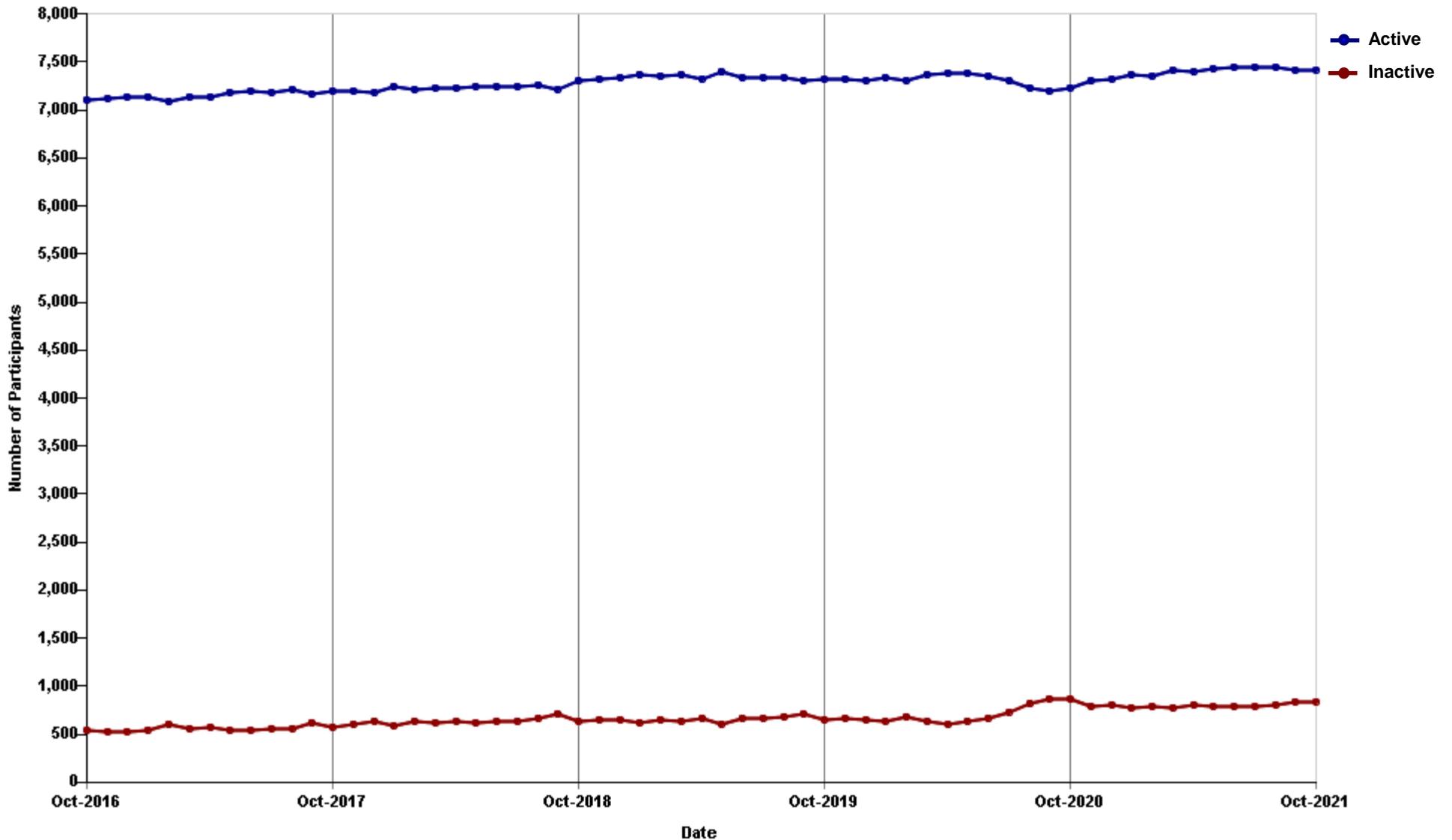


1.7 Percent Distribution of Inactive Participants by CD4 Count (October 2016 - October 2021)



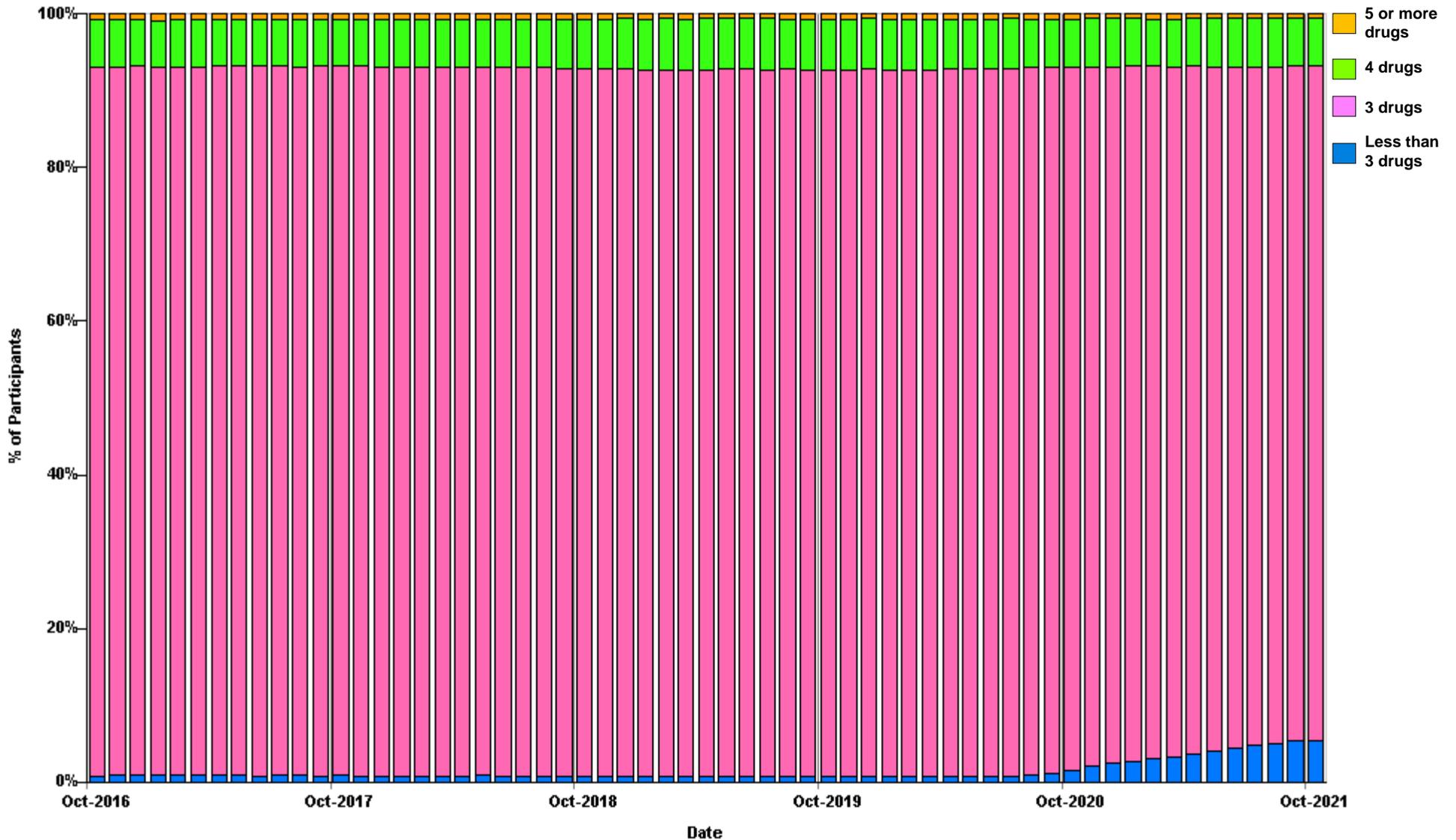


1.8 Active and Inactive Participants (October 2016 - October 2021)



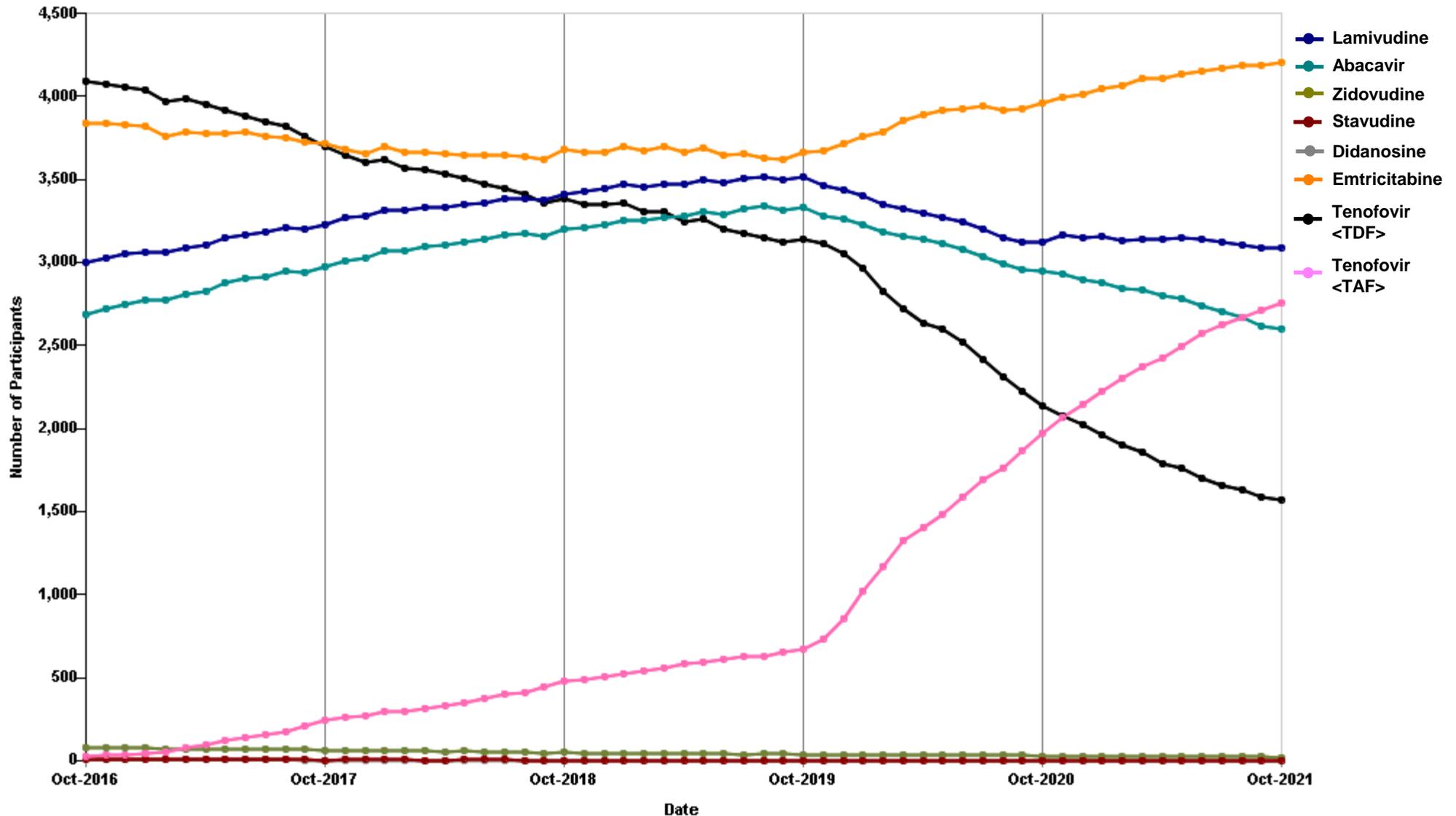


1.9 Percent Distribution of Participants on ARV Therapy by Number of Drugs
 (October 2016 - October 2021)





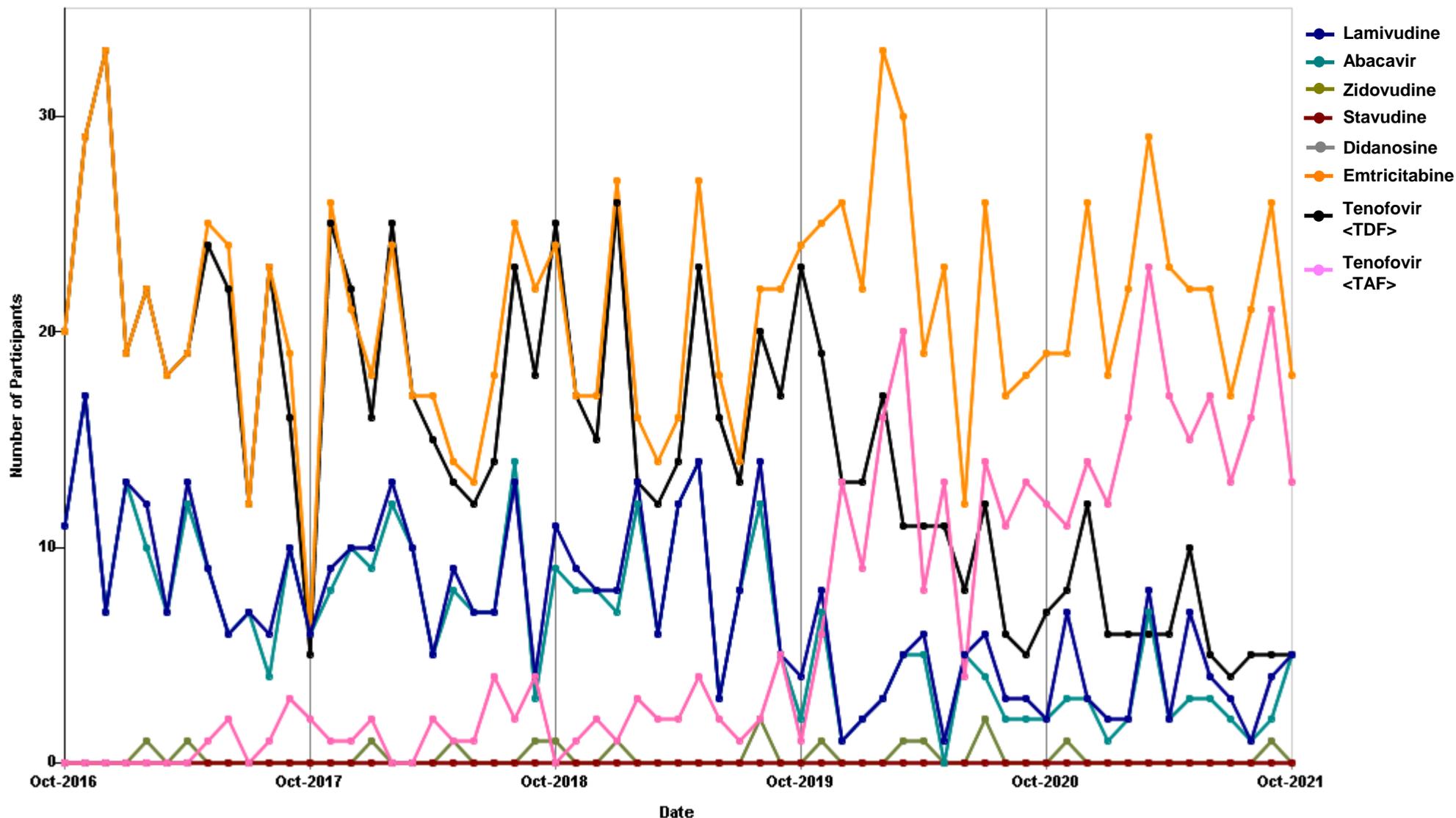
1.10 Distribution of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT (October 2016 - October 2021)





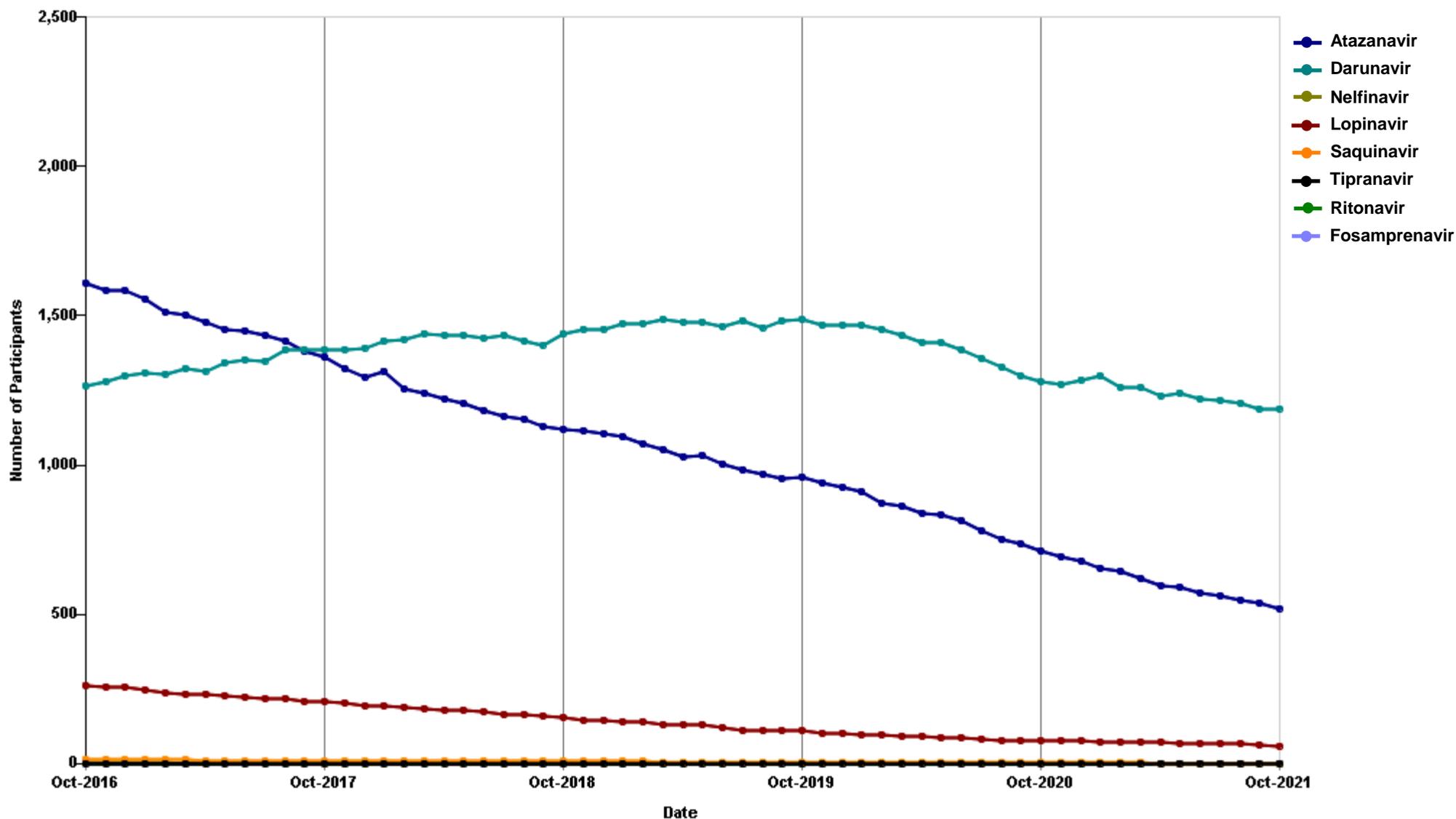
1.11 Distribution of Participants on Nucleoside/Nucleotide Analogues at the time of first start of ARV Therapy by INGREDIENT

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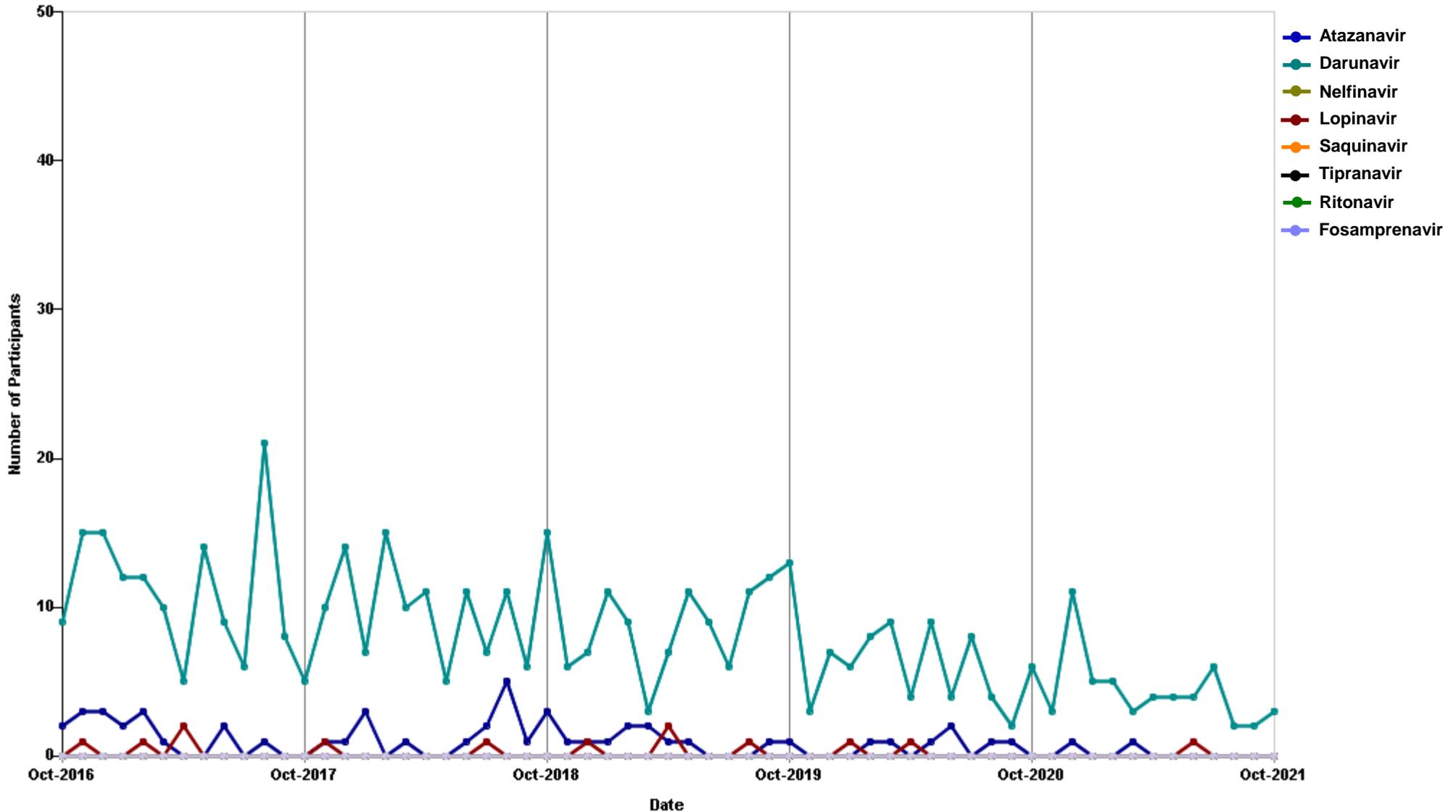
1.12 Distribution of Participants on Protease Inhibitor by INGREDIENT (October 2016 - October 2021)





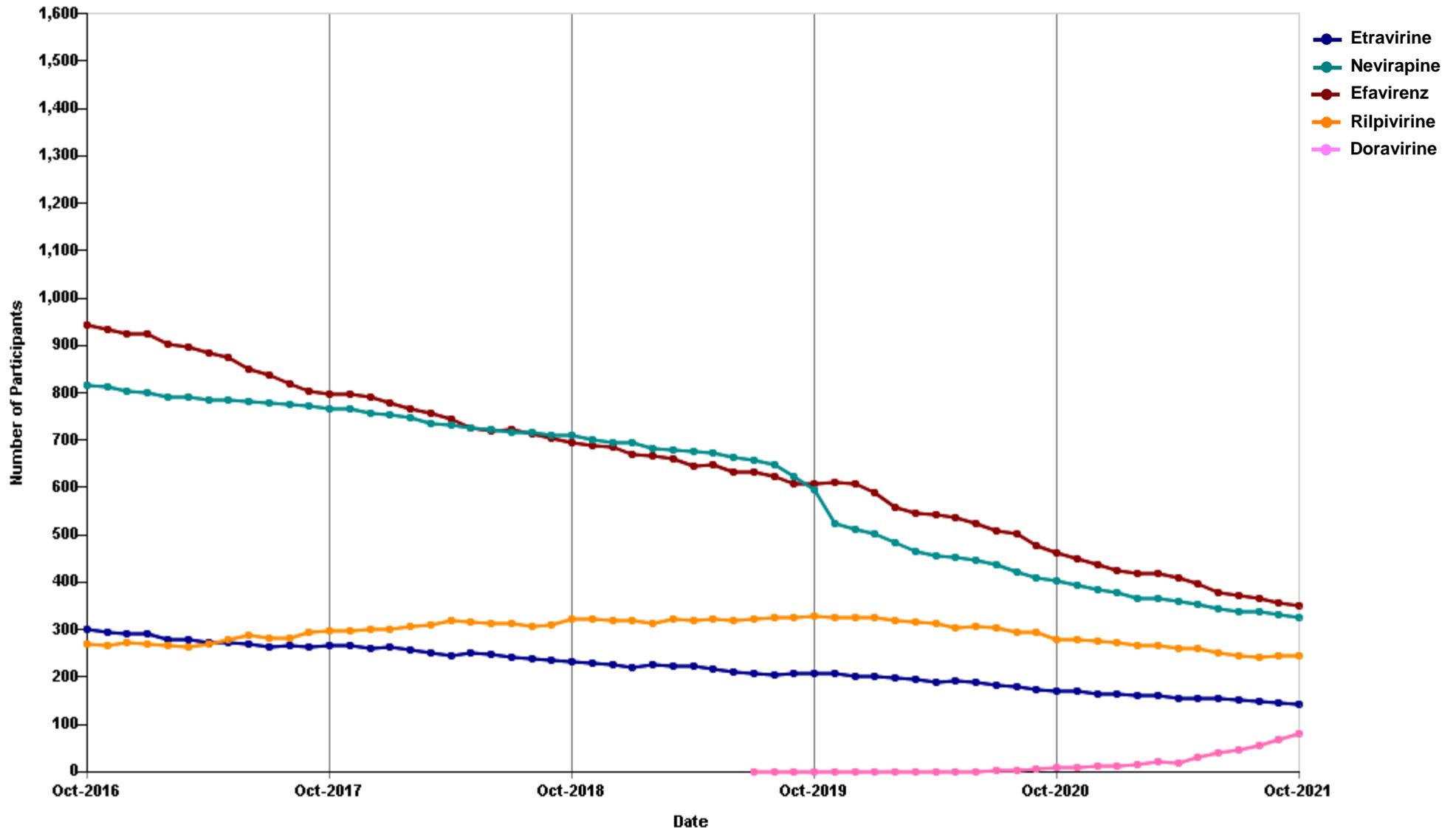
1.13 Distribution of Participants on Protease Inhibitor at the time of first start of ARV Therapy by INGREDIENT

(October 2016 - October 2021)





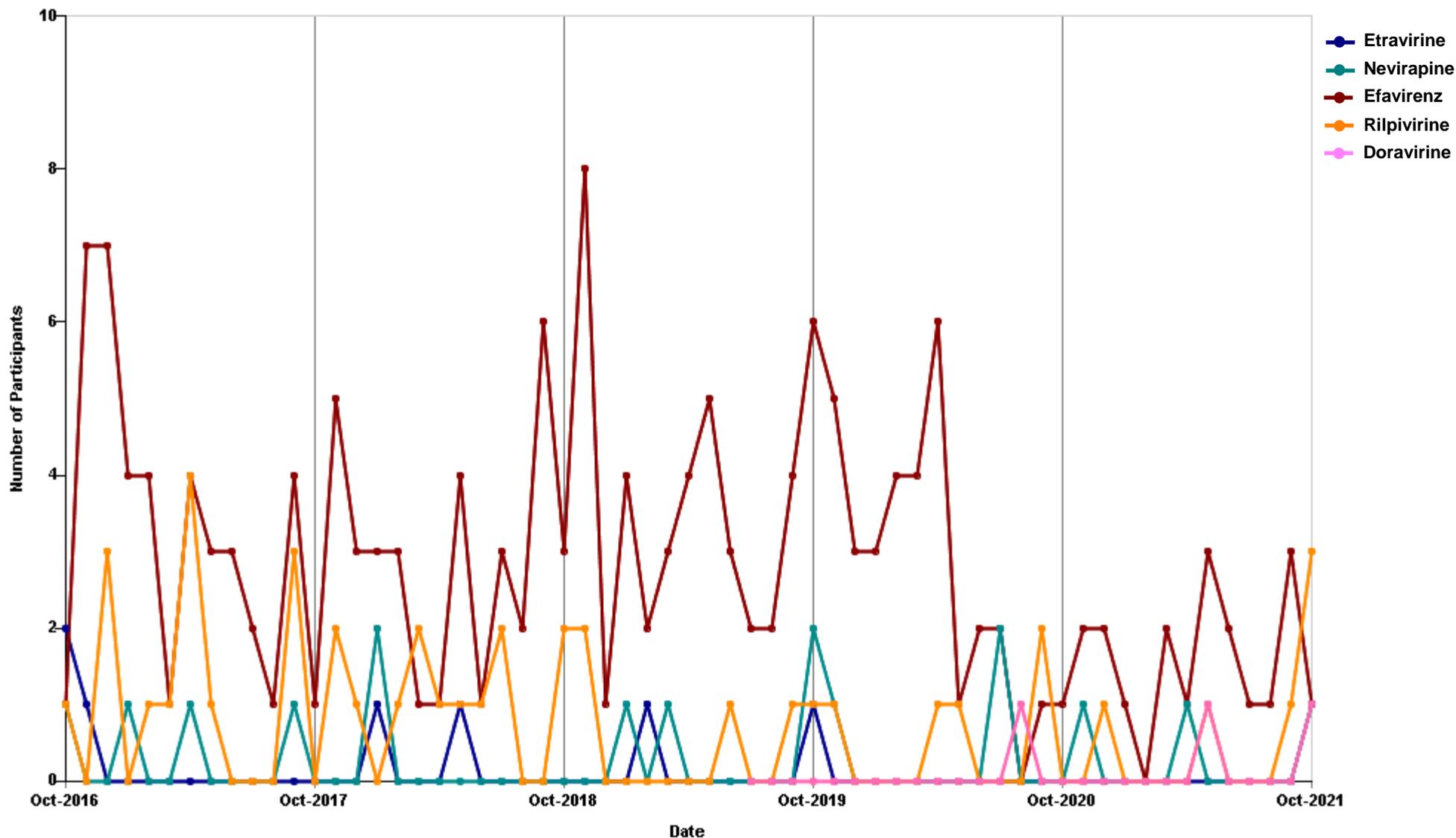
1.14 Distribution of Participants on Non-Nucleosides by INGREDIENT (October 2016 - October 2021)





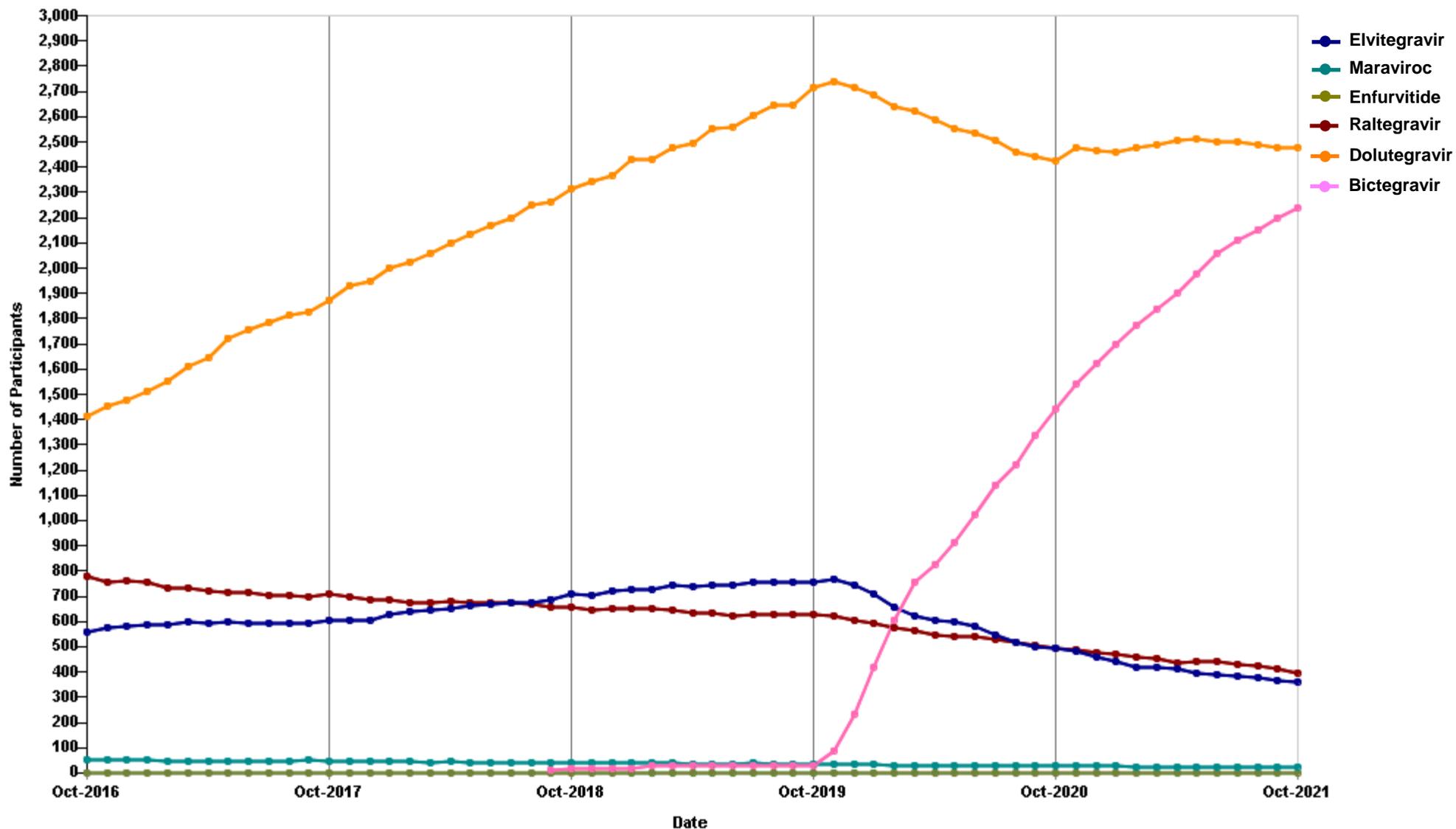
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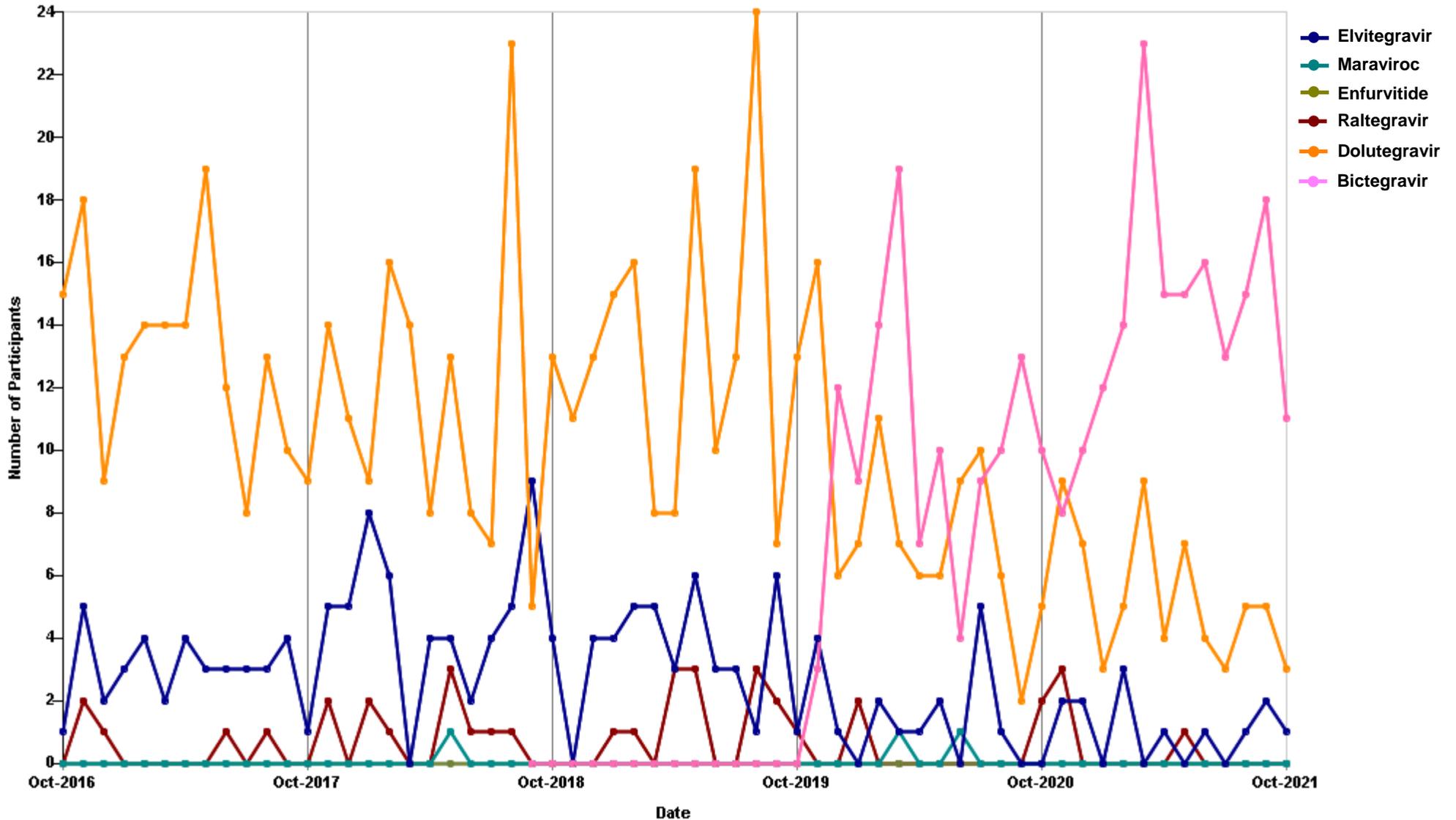
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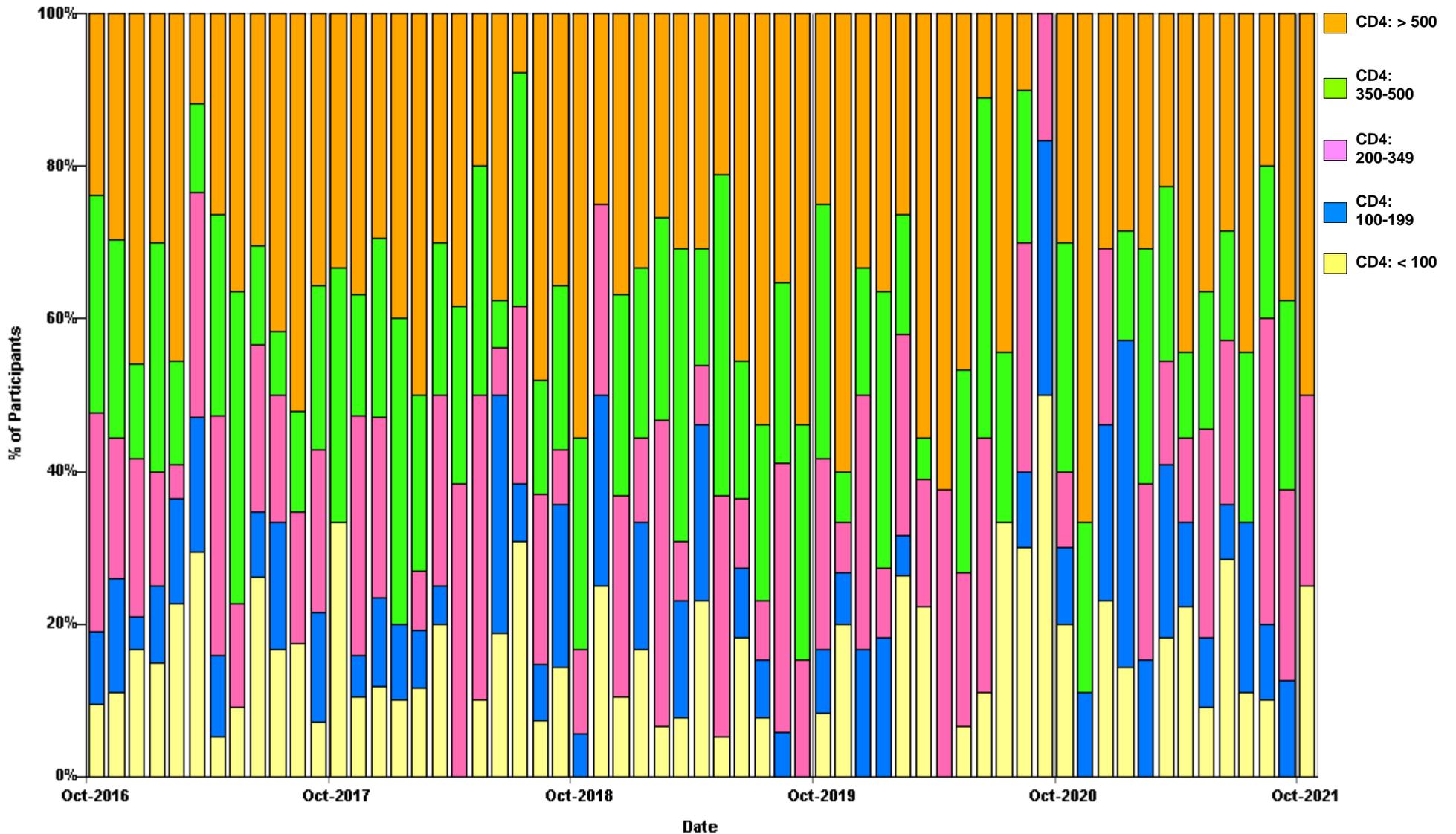
1.17 Distribution of Participants on Entry/Integrase Inhibitors at the time of first ARV Therapy by INGREDIENT

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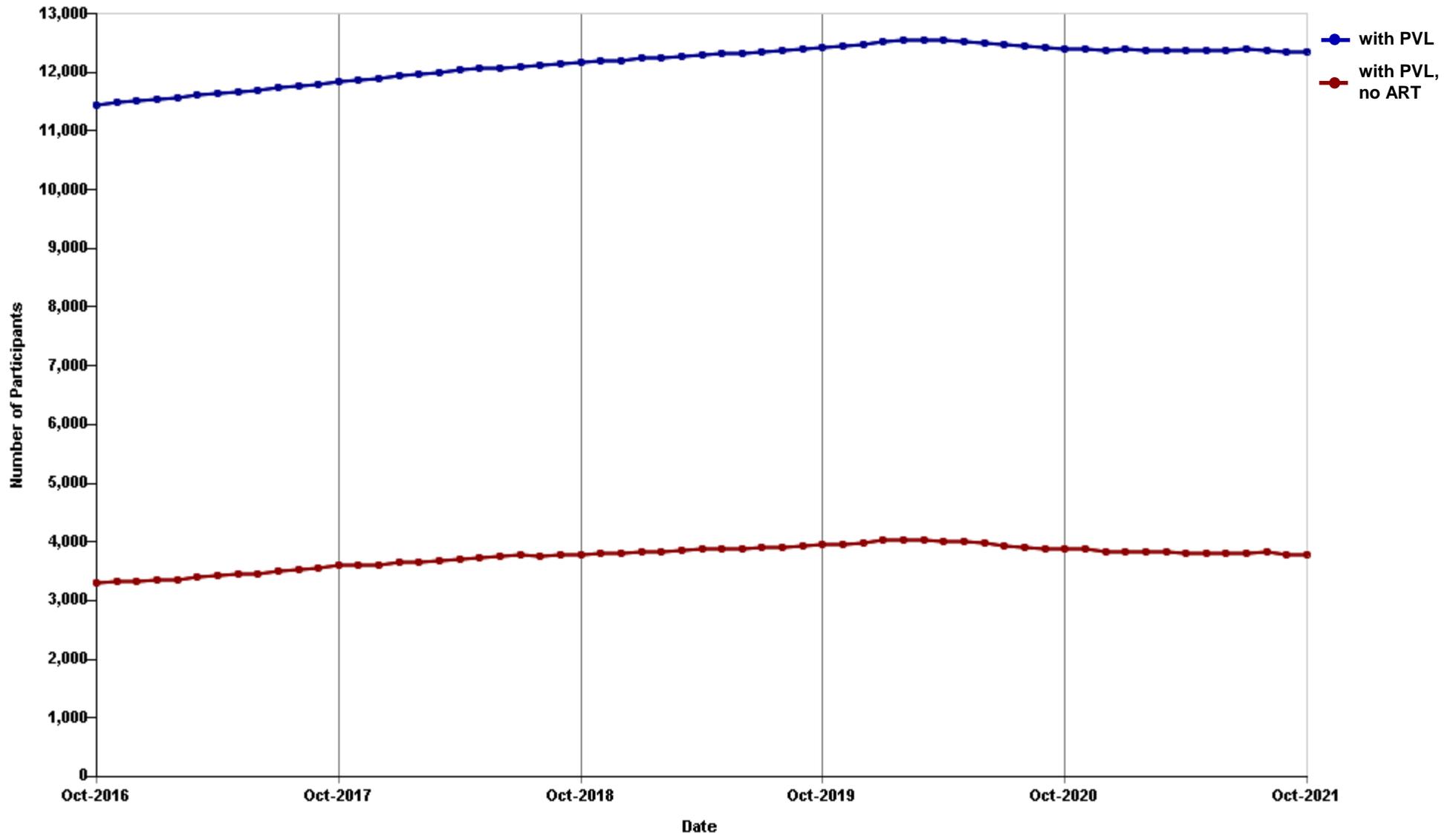


1.18 Baseline CD4 for Antiretroviral First Starts (October 2016 - October 2021)



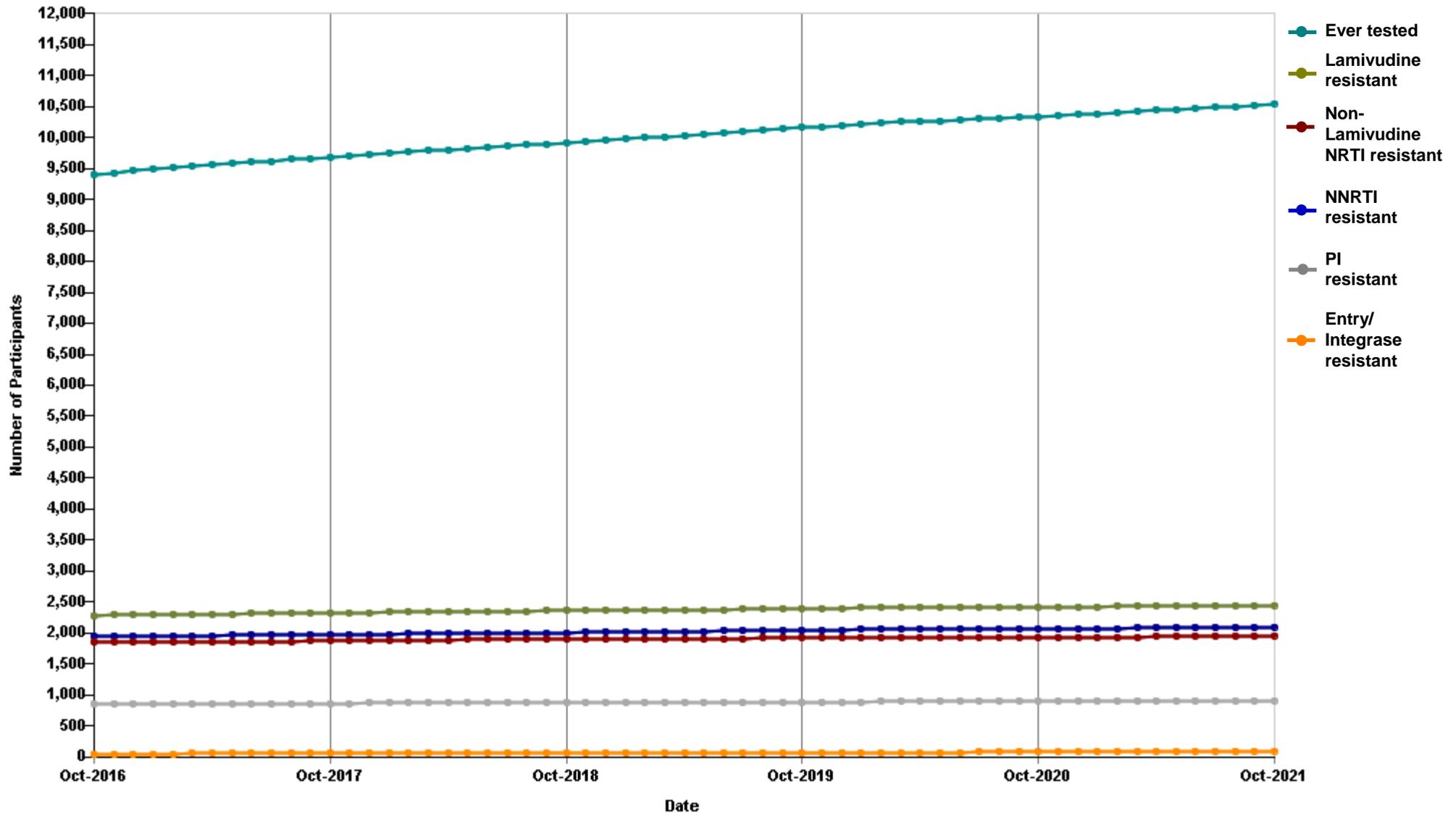


1.19 DTP Participants with PVL Measurement within previous five years, and never on ART (October 2016 - October 2021)



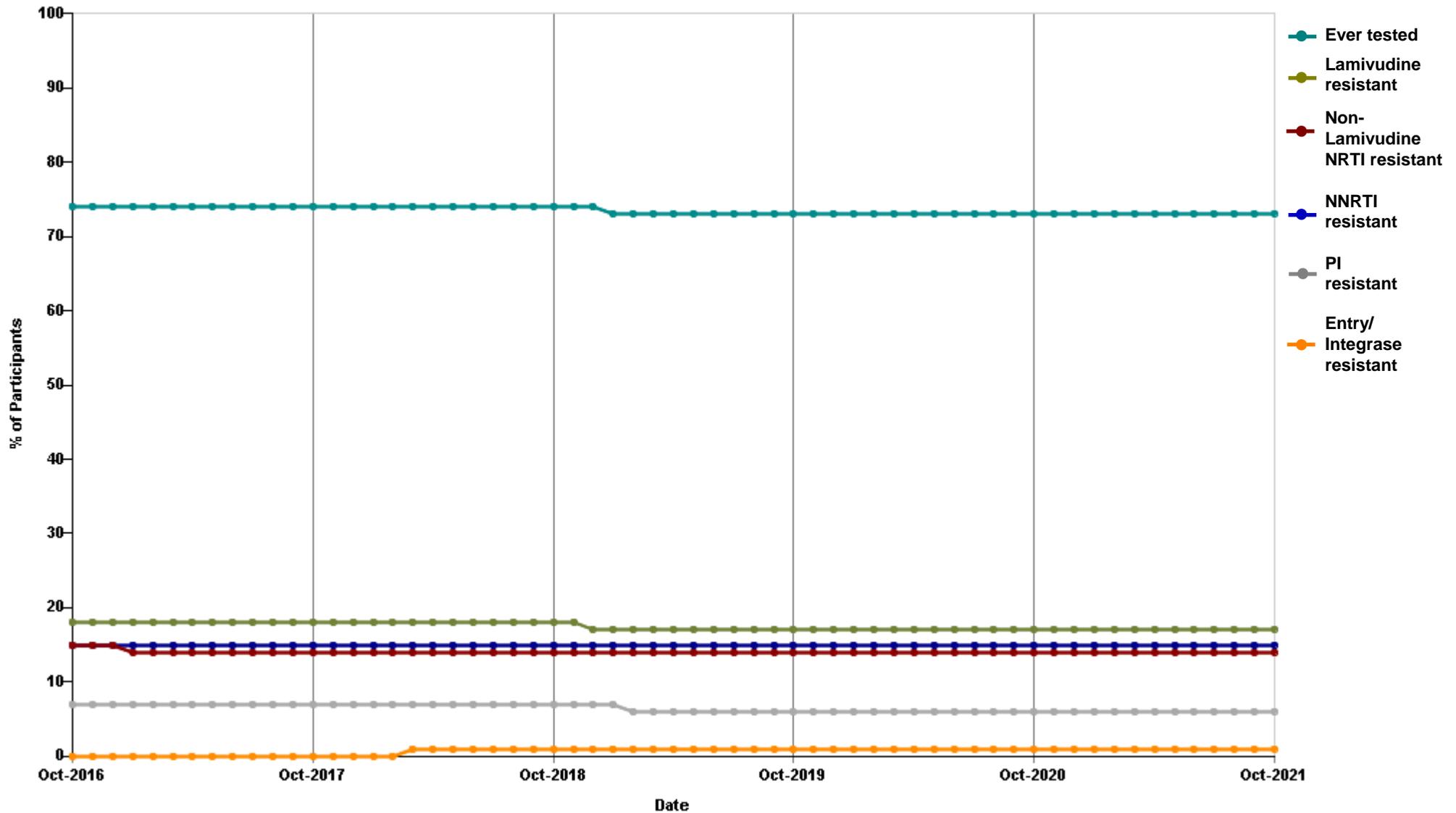


1.20 Cumulative Resistance Testing Results by Resistance Category (October 2016 - October 2021)





1.21 Percent of Participants ever on ARV - Resistance Testing Results by Resistance Category (October 2016 - October 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	5	0	5	2	540	5	<40	4
1988	30	5	0	5	3	610	5	<40	3
1989	28	52	1	53	26	465	50	<40	3
1990	27	54	1	55	33	510	53	<40	3
1991	27	37	3	40	22	635	39	<40	3
1992	27	59	5	64	30	635	59	<40	3
1993	26	123	14	137	86	560	130	<40	3
1994	25	72	11	83	52	550	78	<40	3
1995	25	125	19	144	96	530	132	<40	3
1996	23	313	47	360	228	605	336	<40	3
1997	21	269	33	302	200	605	281	<40	3
1998	20	187	42	229	154	570	206	<40	3
1999	20	154	41	195	117	510	173	<40	3
2000	20	118	27	145	96	605	134	<40	3
2001	20	115	26	141	89	670	125	<40	3
2002	19	121	26	147	102	600	133	<40	3
2003	18	138	27	165	100	620	155	<40	3
2004	17	148	39	187	128	588	177	<40	3
2005	16	178	41	219	149	650	196	<40	3
2006	15	171	38	209	137	620	187	<40	3
2007	14	234	47	281	201	630	258	<40	3
2008	13	272	63	335	226	650	300	<40	3
2009	12	300	63	363	243	620	325	<40	3
2010	11	264	63	327	236	645	299	<40	3
2011	10	322	70	392	256	700	346	<40	3
2012	9	271	60	331	219	720	296	<40	3
2013	8	258	63	321	222	655	287	<40	3
2014	7	273	50	323	199	680	278	<40	3
2015	6	281	43	324	213	710	287	<40	3
2016	5	259	51	310	206	700	270	<40	3
2017	4	215	31	246	172	630	220	<40	3
2018	3	189	51	240	165	718	216	<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)	Current CD4 Median	Current PVL (n)	Current PVL Median	Current ARV Median
2019	2	228	43	271	200	635	252	<40	3
2020	1	190	50	240	171	660	216	<40	3
2021	1	188	39	227	182	610	216	<40	3
Total:		6188	1228	7416					

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	1148	620
JUL-2020	7333	794	1918	<40	1437	610
AUG-2020	7254	791	1848	<40	1332	630
SEP-2020	7233	784	1735	<40	1243	620
OCT-2020	7265	776	1782	<40	1309	630
NOV-2020	7340	763	1858	<40	1284	610
DEC-2020	7346	752	1542	<40	1085	630
JAN-2021	7384	746	1942	<40	1390	630
FEB-2021	7377	748	1787	<40	1273	630
MAR-2021	7432	743	2016	<40	1425	620
APR-2021	7417	746	1828	<40	1321	634
MAY-2021	7452	742	1868	<40	1299	630
JUN-2021	7456	738	1880	<40	1336	610
JUL-2021	7464	741	1820	<40	1324	640
AUG-2021	7473	740	1981	<40	1317	630
SEP-2021	7447	746	1762	<40	1205	630
OCT-2021	7449	754	1857	<40	1193	630

Definitions:

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

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

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





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

MON-YYYY	# of patients	Median # days of off therapy	# of patients with PVL test	Median PVL	# of patients with CD4 test	Median CD4
JAN-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	866	178	87	<40	75	570
NOV-2020	794	192	78	<40	63	510
DEC-2020	799	186	65	<40	55	420
JAN-2021	782	203	73	<40	56	525
FEB-2021	795	199	69	<40	56	510
MAR-2021	780	251	89	<40	70	630
APR-2021	813	258	73	<40	58	615
MAY-2021	792	276	73	<40	66	540
JUN-2021	791	272	65	57	47	540
JUL-2021	791	279	52	102	36	530
AUG-2021	798	275	53	<40	39	630
SEP-2021	840	234	65	<40	41	610
OCT-2021	839	248	77	<40	55	540

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-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	8	229	241	-29	14115
OCT-2020	7225	866	20	13	222	176	32	14136
NOV-2020	7309	794	12	11	245	155	84	14162
DEC-2020	7323	799	10	13	205	191	14	14191
JAN-2021	7362	782	14	9	205	159	39	14211
FEB-2021	7354	795	15	13	186	190	-8	14235
MAR-2021	7408	780	15	24	203	156	54	14272
APR-2021	7395	813	13	9	165	172	-13	14297
MAY-2021	7425	792	14	14	177	143	30	14326
JUN-2021	7442	791	7	15	186	175	17	14352
JUL-2021	7447	791	9	12	170	165	5	14372
AUG-2021	7447	798	16	12	173	167	0	14394
SEP-2021	7414	840	13	9	173	197	-33	14424
OCT-2021	7416	839	14	6	187	173	2	14447

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	6677	457	51	7255	0.96%	92.03%	6.30%	0.70%	100.00%
SEP-2020	85	6641	456	52	7234	1.18%	91.80%	6.30%	0.72%	100.00%
OCT-2020	107	6645	462	51	7265	1.47%	91.47%	6.36%	0.70%	100.00%
NOV-2020	162	6673	456	49	7340	2.21%	90.91%	6.21%	0.67%	100.00%
DEC-2020	180	6656	461	49	7346	2.45%	90.61%	6.28%	0.67%	100.00%
JAN-2021	205	6681	452	46	7384	2.78%	90.48%	6.12%	0.62%	100.00%
FEB-2021	226	6652	448	51	7377	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	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	6594	470	46	7464	4.74%	88.34%	6.30%	0.62%	100.00%
AUG-2021	381	6578	472	42	7473	5.10%	88.02%	6.32%	0.56%	100.00%
SEP-2021	398	6539	463	47	7447	5.34%	87.81%	6.22%	0.63%	100.00%
OCT-2021	409	6532	462	46	7449	5.49%	87.69%	6.20%	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%	1760	25%	6	30%	2313	33%	17	85%	3914	55%
SEP-2020	3	14%	3121	44%	2	10%	2960	42%	0	0%	31	0%	0	0%	0	0%	13	62%	1869	26%	5	24%	2224	32%	18	86%	3928	56%
OCT-2020	2	10%	3121	44%	2	10%	2944	41%	0	0%	29	0%	0	0%	0	0%	12	57%	1971	28%	7	33%	2135	30%	19	90%	3961	56%
NOV-2020	7	27%	3164	44%	3	12%	2934	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%	3151	44%	3	10%	2895	40%	0	0%	29	0%	0	0%	0	0%	14	48%	2143	30%	12	41%	2020	28%	26	90%	4010	56%
JAN-2021	2	10%	3153	44%	1	5%	2880	40%	0	0%	28	0%	0	0%	0	0%	12	60%	2220	31%	6	30%	1962	27%	18	90%	4045	56%
FEB-2021	2	8%	3135	43%	2	8%	2843	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%	3140	43%	7	19%	2832	39%	0	0%	24	0%	0	0%	0	0%	23	62%	2368	33%	6	16%	1858	26%	29	78%	4111	57%
APR-2021	2	8%	3137	43%	2	8%	2802	39%	0	0%	25	0%	0	0%	0	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%	0	0%	0	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%	0	0%	0	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%	0	0%	0	0%	13	65%	2627	36%	4	20%	1658	23%	17	85%	4170	57%
AUG-2021	1	5%	3109	43%	1	5%	2667	36%	0	0%	23	0%	0	0%	0	0%	16	73%	2665	36%	5	23%	1634	22%	21	95%	4190	57%
SEP-2021	4	13%	3084	42%	2	7%	2620	36%	1	3%	22	0%	0	0%	0	0%	21	70%	2712	37%	5	17%	1591	22%	26	87%	4187	57%
OCT-2021	5	22%	3090	42%	5	22%	2599	36%	0	0%	20	0%	0	0%	0	0%	13	57%	2760	38%	5	22%	1567	21%	18	78%	4205	58%

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%	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%	548 30%	2 100%	1206 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%	538 30%	2 100%	1186 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%	519 29%	3 100%	1185 67%	0 0%	59 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-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%	251 22%
JUL-2021	0 0%	45 4%	1 100%	372 32%	0 0%	153 13%	0 0%	339 29%	0 0%	245 21%
AUG-2021	0 0%	56 5%	1 100%	366 32%	0 0%	150 13%	0 0%	337 29%	0 0%	243 21%
SEP-2021	0 0%	67 6%	3 75%	357 31%	0 0%	146 13%	0 0%	332 29%	1 25%	244 21%
OCT-2021	1 14%	81 7%	1 14%	350 31%	1 14%	142 12%	1 14%	326 29%	3 43%	245 22%

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%	518 11%	0 0%	29 1%	0 0%	520 11%
SEP-2020	13 87%	1336 28%	2 13%	2440 51%	0 0%	498 10%	0 0%	29 1%	0 0%	504 11%
OCT-2020	10 59%	1444 30%	5 29%	2424 50%	0 0%	493 10%	0 0%	30 1%	2 12%	493 10%
NOV-2020	8 36%	1540 31%	9 41%	2475 50%	2 9%	480 10%	0 0%	27 1%	3 14%	489 10%
DEC-2020	10 53%	1624 33%	7 37%	2465 49%	2 11%	458 9%	0 0%	27 1%	0 0%	477 10%
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%	2112 39%	3 19%	2498 46%	0 0%	382 7%	0 0%	23 0%	0 0%	432 8%
AUG-2021	15 71%	2154 40%	5 24%	2488 46%	1 5%	375 7%	0 0%	23 0%	0 0%	424 8%
SEP-2021	18 72%	2197 40%	5 20%	2475 46%	2 8%	366 7%	0 0%	23 0%	0 0%	411 8%
OCT-2021	11 73%	2240 41%	3 20%	2476 45%	1 7%	362 7%	0 0%	24 0%	0 0%	398 7%

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 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	18.95	1026	14.14	3944	54.36	66	0.91	714	9.84	130	1.79
SEP-2020	1336	18.47	980	13.55	3999	55.28	79	1.09	710	9.81	130	1.80
OCT-2020	1308	18.00	964	13.27	4058	55.86	101	1.39	701	9.65	133	1.83
NOV-2020	1287	17.53	946	12.89	4128	56.24	159	2.17	697	9.50	123	1.68
DEC-2020	1272	17.32	924	12.58	4152	56.52	177	2.41	703	9.57	118	1.61
JAN-2021	1273	17.24	912	12.35	4191	56.76	202	2.74	693	9.39	113	1.53
FEB-2021	1232	16.70	894	12.12	4226	57.29	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	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	14.79	823	11.03	4384	58.74	352	4.72	702	9.41	99	1.33
AUG-2021	1091	14.60	819	10.96	4388	58.72	377	5.04	701	9.38	97	1.30
SEP-2021	1073	14.41	814	10.93	4379	58.80	394	5.29	695	9.33	92	1.24
OCT-2021	1057	14.19	810	10.87	4397	59.03	406	5.45	687	9.22	92	1.24

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	8	3	2	1	0	0	71
OCT-2020	13	2	1	1	3	3	381
NOV-2020	11	0	1	0	2	6	710
DEC-2020	13	3	3	3	0	4	260
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

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	12525	4021
FEB-2020	12557	4039
MAR-2020	12558	4030
APR-2020	12536	4006
MAY-2020	12526	3994
JUN-2020	12503	3972
JUL-2020	12480	3939
AUG-2020	12448	3915
SEP-2020	12411	3887
OCT-2020	12389	3875
NOV-2020	12403	3876
DEC-2020	12380	3837
JAN-2021	12389	3839
FEB-2021	12381	3833
MAR-2021	12379	3822
APR-2021	12368	3809
MAY-2021	12363	3797
JUN-2021	12364	3791
JUL-2021	12386	3811
AUG-2021	12380	3817
SEP-2021	12350	3785
OCT-2021	12340	3777

Definitions:

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

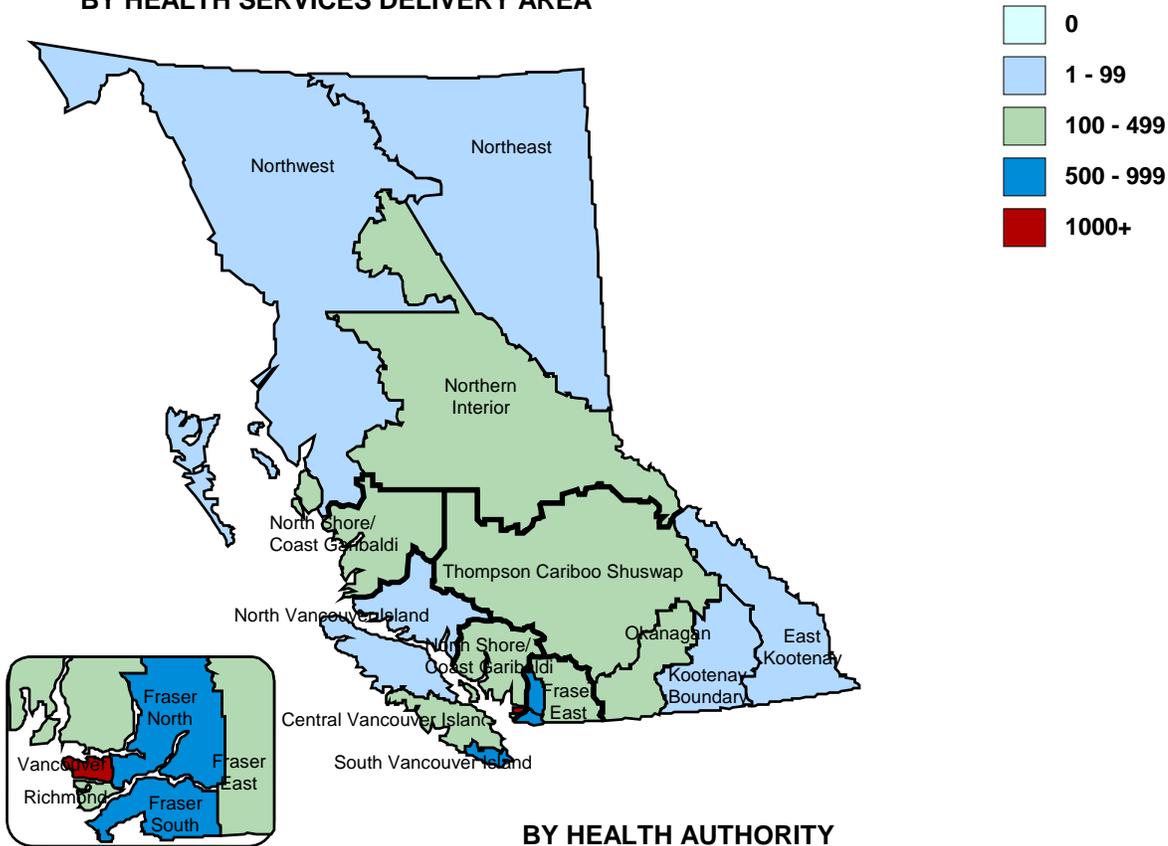
Never on ART are subset of patients with PVL test, and not being treated with ARVs on or before specified month



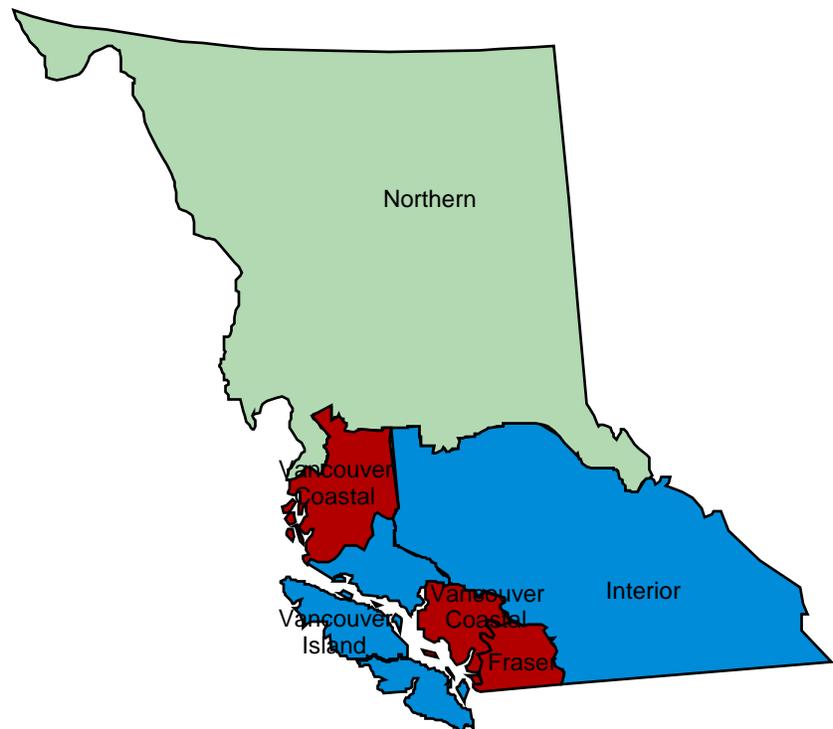


3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants N = 7449
Oct-2021

BY HEALTH SERVICES DELIVERY AREA



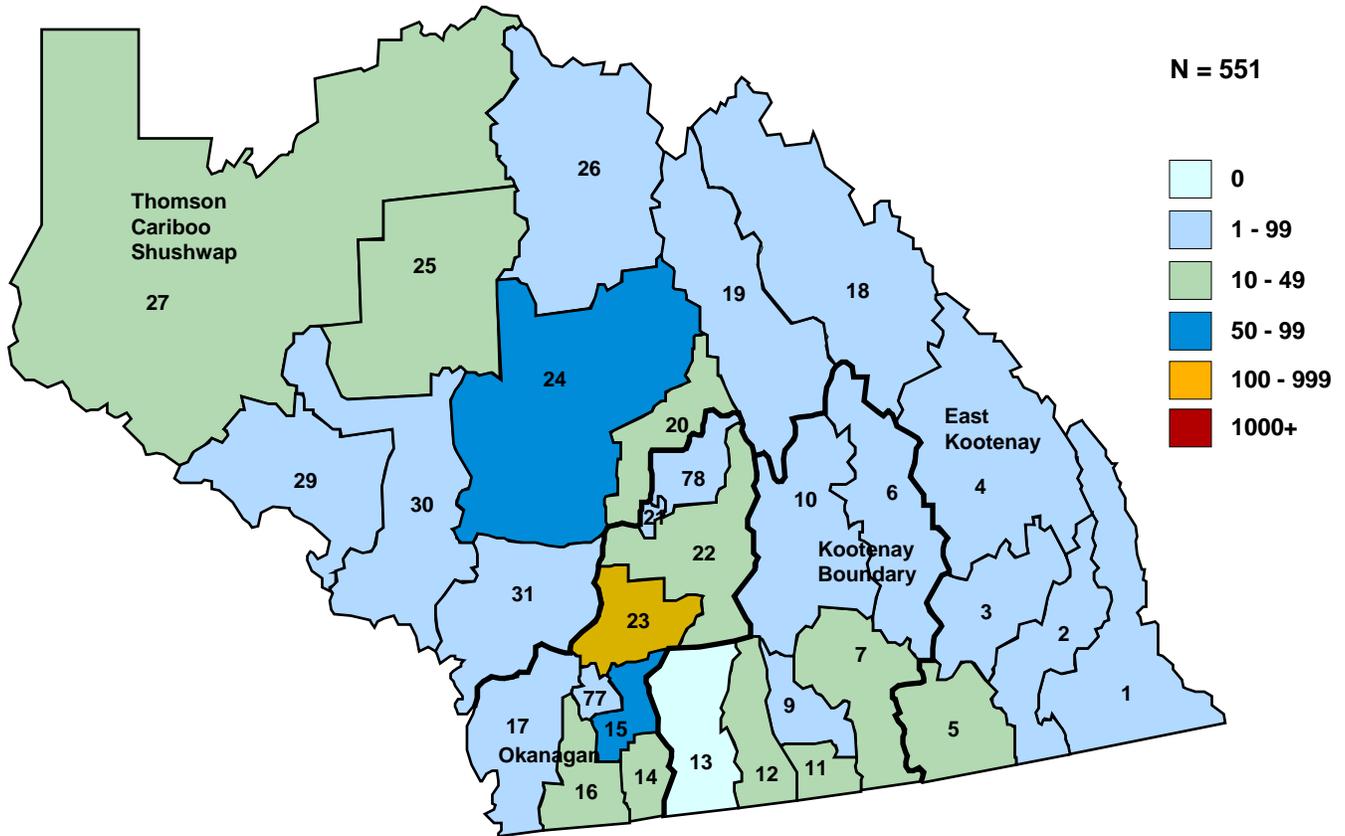
BY HEALTH AUTHORITY



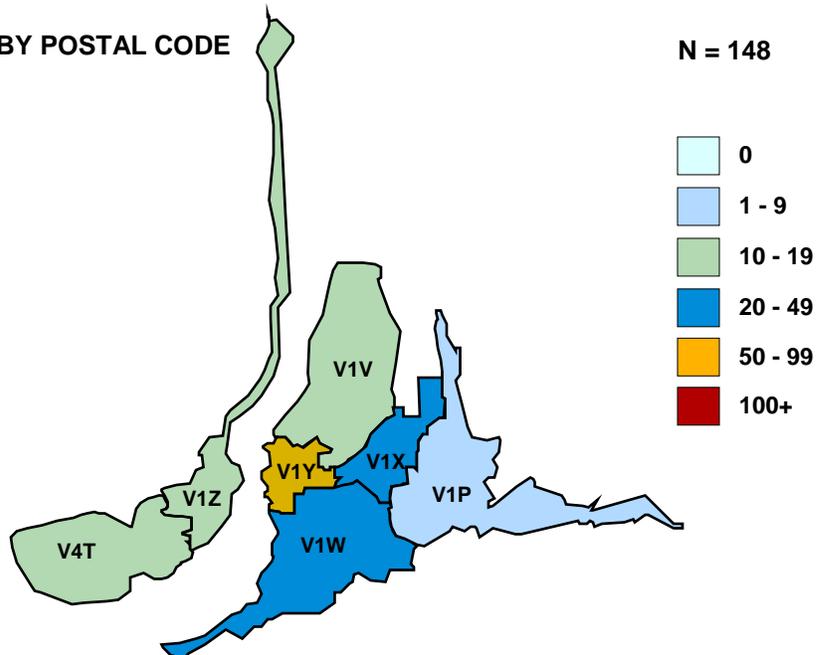


3.2 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Oct-2021

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



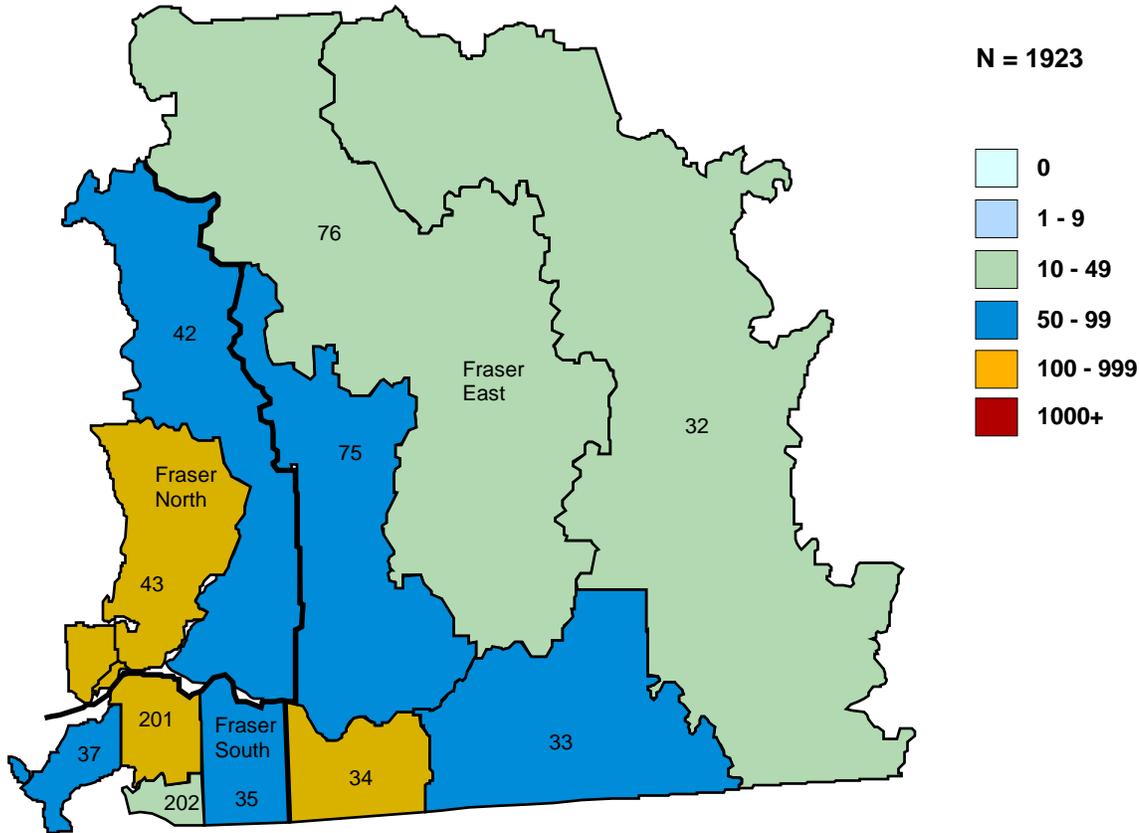
KELOWNA BY POSTAL CODE



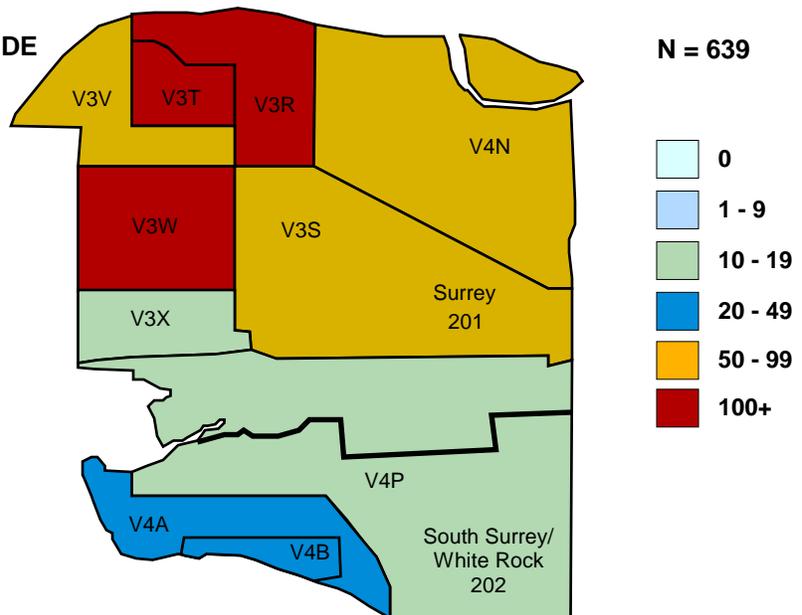


3.3 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Oct-2021

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



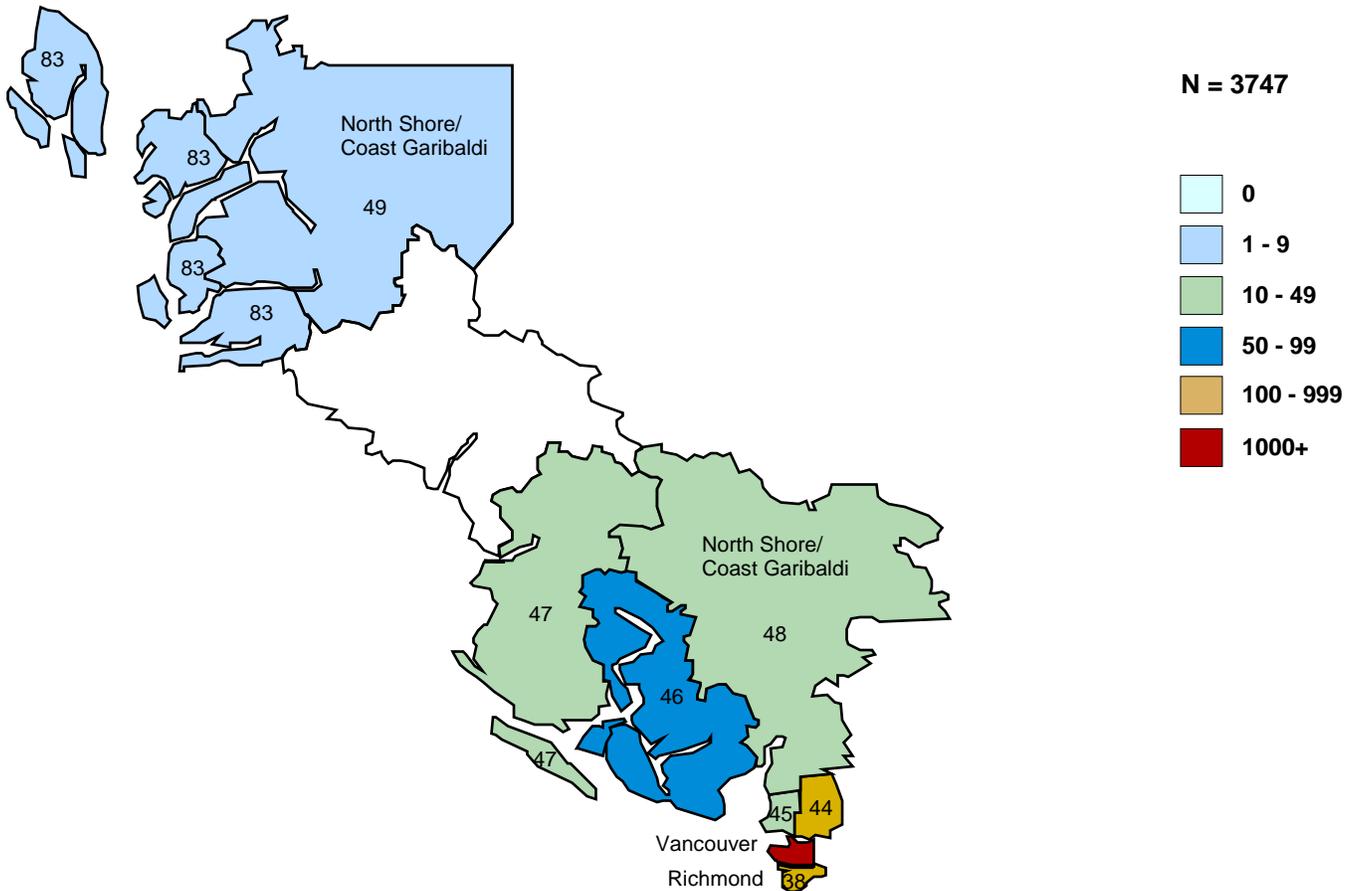
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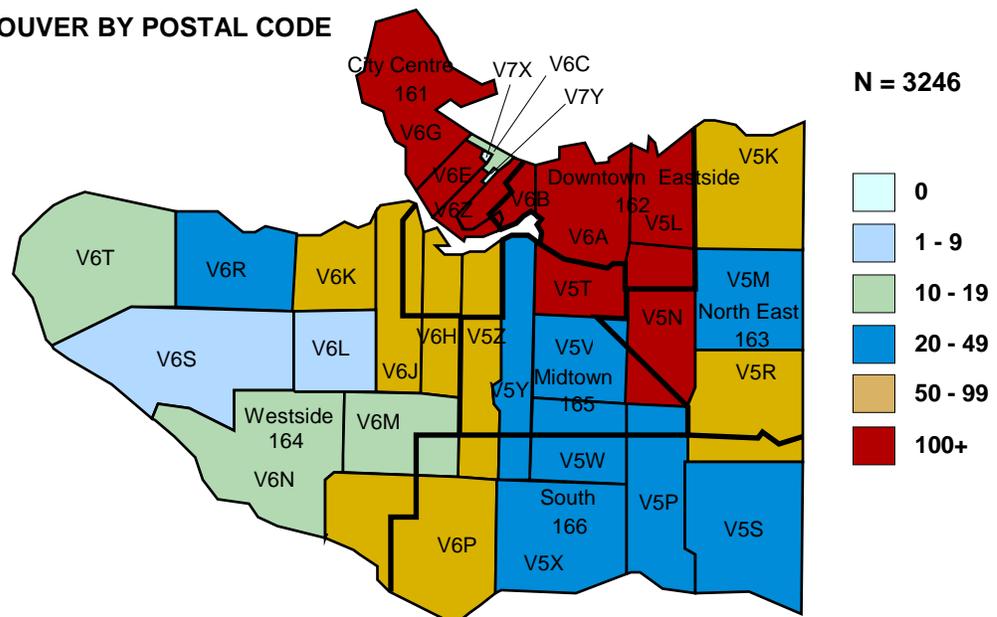


3.4 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Oct-2021

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



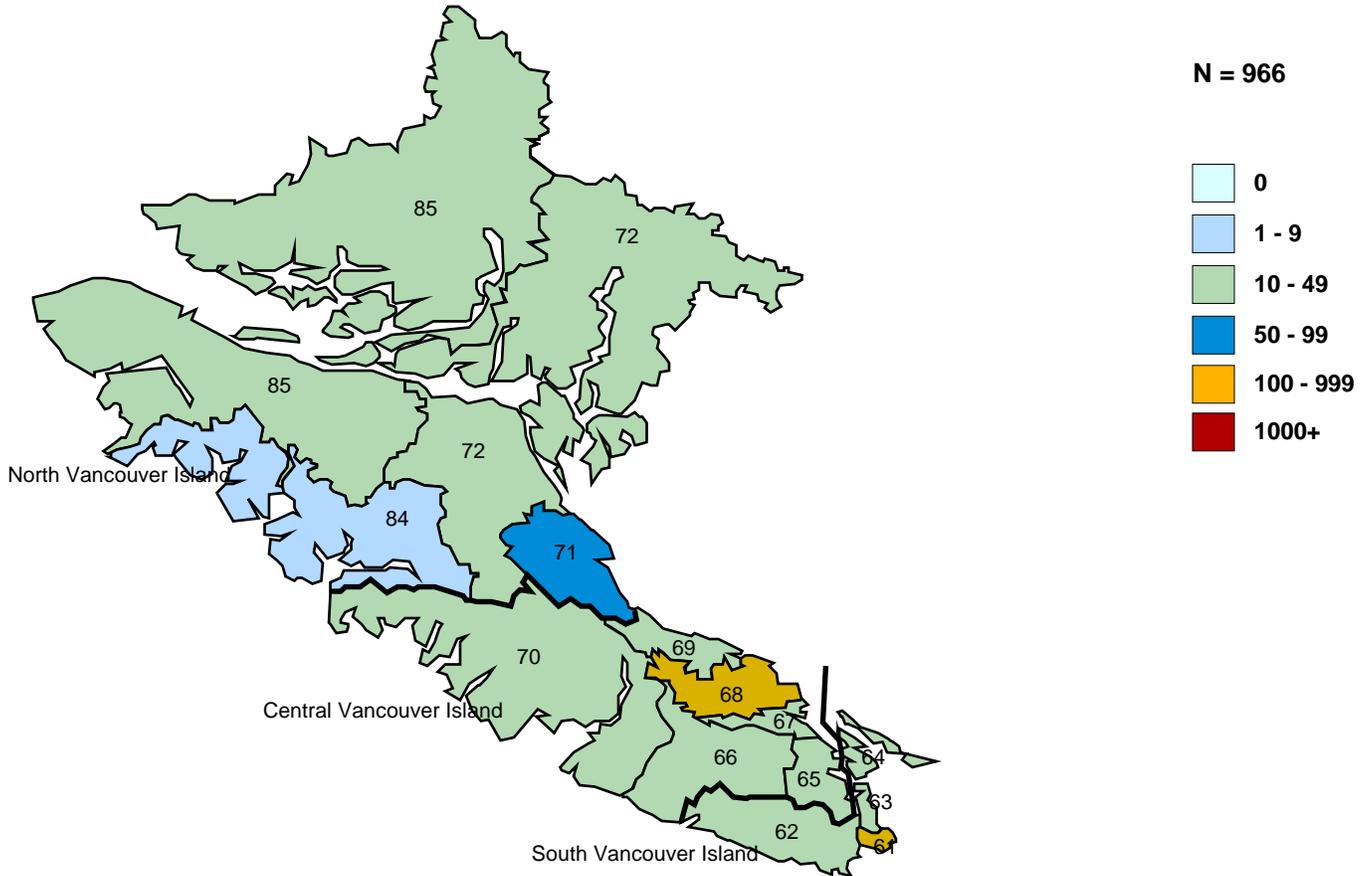
VANCOUVER BY POSTAL CODE



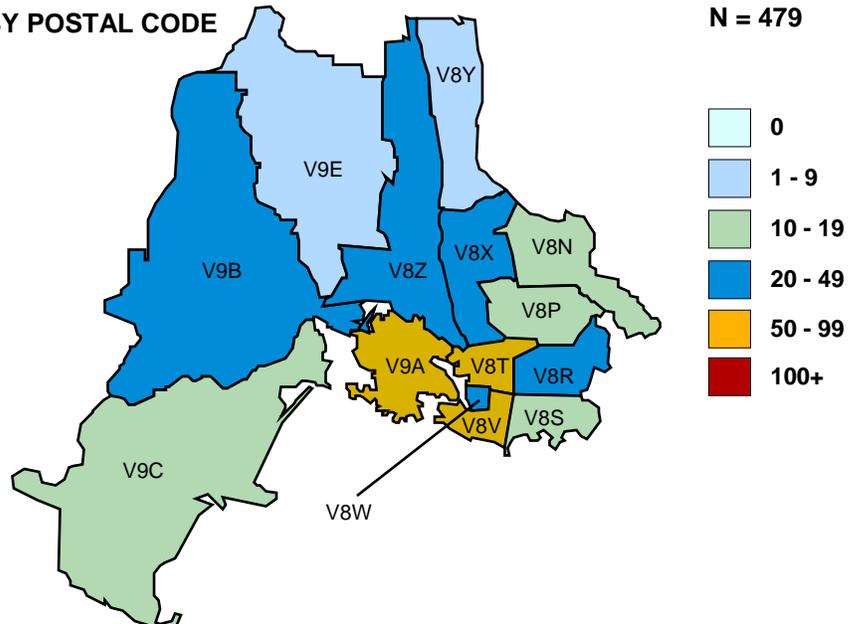


3.5 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Oct-2021

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



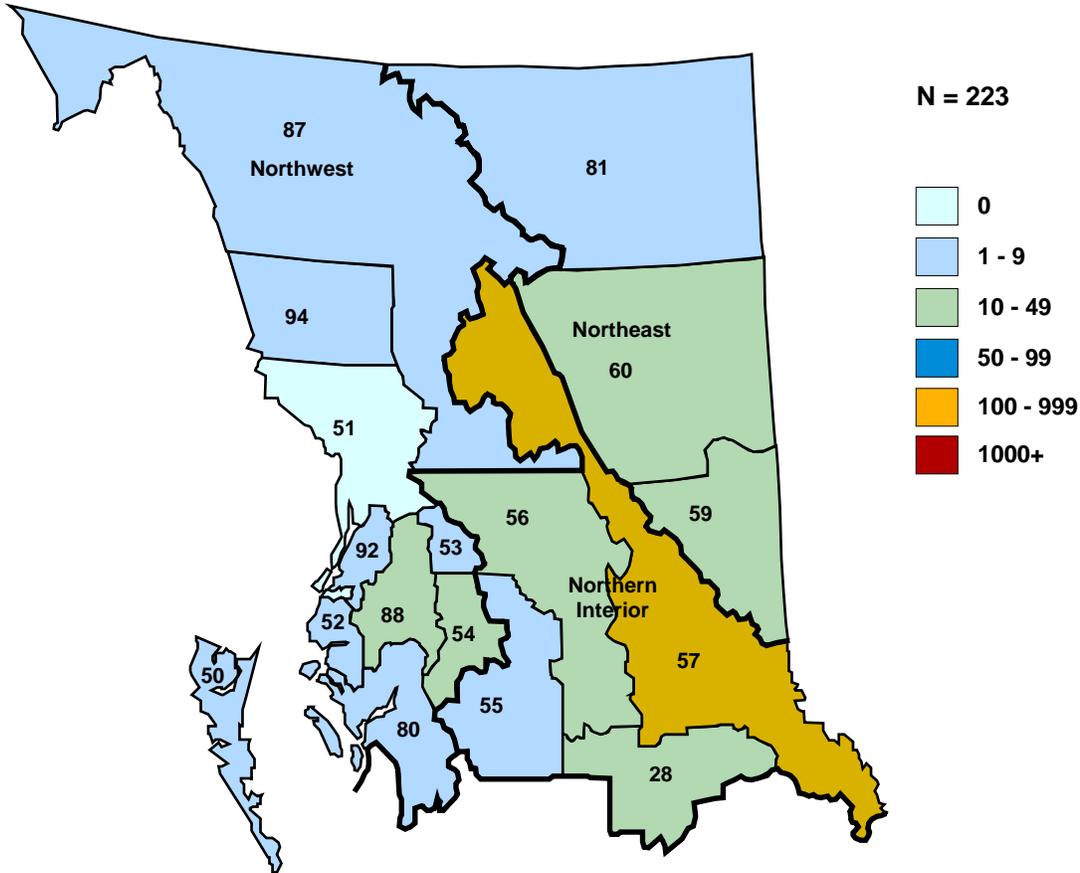
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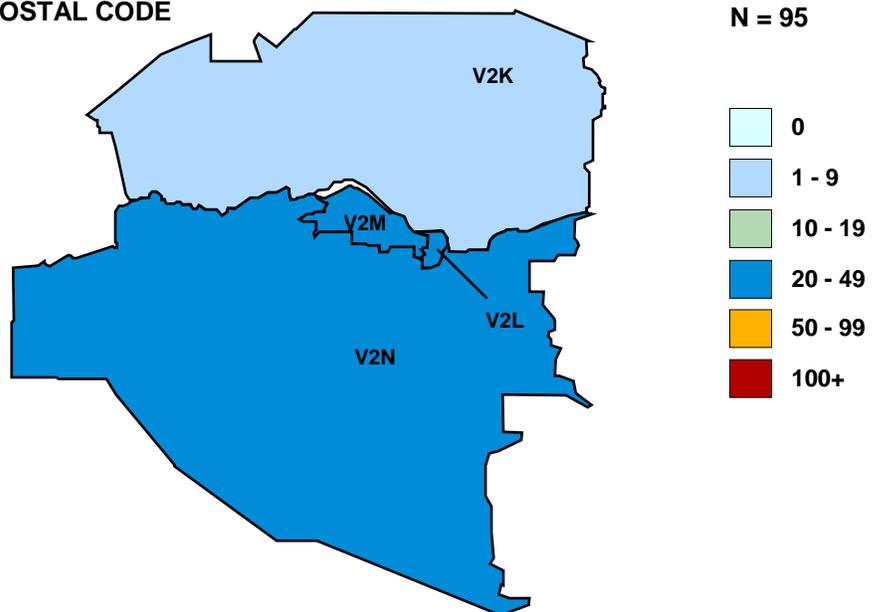


3.6 Distribution of HIV/AIDS Drug Treatment Program Active Participant
Oct-2021

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 Sex at birth
INTERIOR Health Authority**

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
EAST KOOTENAY	20-34	8	8	6
	35-49	10	11	6
	50+	29	41	20
	Total HSDA:	47	60	32
KOOTENAY BOUNDARY	0-19	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:	74	101	58
OKANAGAN	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:	403	545	307
THOMPSON/CARIBOO/ SHUSWAP	20-34	21	21	14
	35-49	71	77	51
	50+	115	187	89
	Total HSDA:	207	285	154
Total HA:		731	991	551

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		731	991	551

Sex at birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	142	196	105
Male	589	795	446

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	551	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	13	10
	<5 years	11	9
	Total HSDA:	47	32
KOOTENAY BOUNDARY	10 years or more	47	36
	5 years or more	15	10
	<5 years	12	12
	Total HSDA:	74	58
OKANAGAN	10 years or more	258	189
	5 years or more	88	73
	<5 years	57	45
	Total HSDA:	403	307
THOMPSON/CARIBOO/ SHUSWAP	10 years or more	129	98
	5 years or more	43	35
	<5 years	35	21
	Total HSDA:	207	154
Total HA:		731	551

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	457	336
	5 years or more	159	128
	<5 years	115	87
Total HA:		731	551

* 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	70	14	29
KOOTENAY BOUNDARY	77	129	26	51
OKANAGAN	231	976	57	297
THOMPSON/CARIBOO/SHUSWAP	141	537	34	131
Total:	500	1712	131	508

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
EAST KOOTENAY	*
KOOTENAY BOUNDARY	*
OKANAGAN	*
THOMPSON/CARIBOO/SHUSWAP	*
Total:	108

* 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 Sex at birth 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	27
	35-49	95	101	64
	50+	244	336	185
	Total HSDA:		376	476
FRASER NORTH	20-34	114	114	74
	35-49	356	380	264
	50+	624	984	486
	Total HSDA:		1094	1478
FRASER SOUTH	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		1021	1349
Total HA:		2491	3303	1923

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	10	10	9
	20-34	262	266	188
	35-49	758	822	568
	50+	1461	2205	1158
Total HA:		2491	3303	1923

Sex at birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	609	775	443
Male	1882	2528	1480

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	1923	53	640	35

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

Definitions:

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

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





4.5 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	232	177
	5 years or more	82	57
	<5 years	62	48
	Total HSDA:	376	282
FRASER NORTH	10 years or more	672	485
	5 years or more	240	190
	<5 years	182	149
	Total HSDA:	1094	824
FRASER SOUTH	10 years or more	619	481
	5 years or more	218	175
	<5 years	184	161
	Total HSDA:	1021	817
Total HA:		2491	1923

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	1523	1143
	5 years or more	540	422
	<5 years	428	358
Total HA:		2491	1923

* 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	142	513	30	61
FRASER NORTH	255	1615	46	220
FRASER SOUTH	223	1657	52	486
Total:	620	3785	128	767

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
FRASER EAST	183
FRASER NORTH	673
FRASER SOUTH	455
Total:	1311

* 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 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:		351	510
RICHMOND	20-34	34	35	19
	35-49	45	47	36
	50+	111	161	90
	Total HSDA:	190	243	145
VANCOUVER	0-19	10	10	9
	20-34	432	450	281
	35-49	1295	1444	916
	50+	2919	5111	2113
	Total HSDA:	4656	7015	3319
Total HA:		5197	7768	3747

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	11	11	10
	20-34	496	515	320
	35-49	1424	1583	1012
	50+	3266	5659	2405
Total HA:		5197	7768	3747

Sex at birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	605	950	430
Male	4590	6816	3317
Unknown	2	2	0

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	3747	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	211	171
	5 years or more	76	62
	<5 years	64	50
	Total HSDA:	351	283
RICHMOND	10 years or more	111	86
	5 years or more	34	25
	<5 years	45	34
	Total HSDA:	190	145
VANCOUVER	10 years or more	3080	2113
	5 years or more	934	702
	<5 years	642	504
	Total HSDA:	4656	3319
Total HA:		5197	3747

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	3402	2370
	5 years or more	1044	789
	<5 years	751	588
Total HA:		5197	3747

* 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	181	409	53	81
RICHMOND	43	297	8	92
VANCOUVER	650	11199	211	5322
Total:	874	11905	272	5495

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH SHORE/COAST GARIBALDI	*
RICHMOND	*
VANCOUVER	*
Total:	74

* 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 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:		339	494
NORTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		123	169
SOUTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		780	1106
Total HA:		1242	1769	966

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	6	6	5
	20-34	121	130	83
	35-49	281	326	220
	50+	834	1307	658
Total HA:		1242	1769	966

Sex at birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	219	312	167
Male	1023	1457	799

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	966	55	590	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	203	164
	5 years or more	76	60
	<5 years	60	47
	Total HSDA:	339	271
NORTH VANCOUVER ISLAND	10 years or more	82	66
	5 years or more	28	19
	<5 years	13	11
	Total HSDA:	123	96
SOUTH VANCOUVER ISLAND	10 years or more	464	331
	5 years or more	160	133
	<5 years	156	135
	Total HSDA:	780	599
Total HA:		1242	966

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	749	561
	5 years or more	264	212
	<5 years	229	193
Total HA:		1242	966

* 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	203	902	74	198
NORTH VANCOUVER ISLAND	152	273	46	73
SOUTH VANCOUVER ISLAND	220	1875	42	569
Total:	575	3050	162	840

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
CENTRAL VANCOUVER ISLAND	57
NORTH VANCOUVER ISLAND	40
SOUTH VANCOUVER ISLAND	123
Total:	220

* 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 Sex at birth
NORTHERN Health Authority**

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
NORTH EAST	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:	46	57	26
NORTH WEST	20-34	*	6	0
	35-49	*	38	18
	50+	*	73	36
	Total HSDA:	72	117	54
NORTHERN INTERIOR	0-19	7	7	5
	20-34	21	23	12
	35-49	56	71	42
	50+	108	182	84
	Total HSDA:	192	283	143
Total HA:		310	457	223

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	7	7	5
	20-34	29	33	13
	35-49	99	131	73
	50+	175	286	132
Total HA:		310	457	223

Sex at birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Female	116	171	81
Male	194	286	142

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	223	52	550	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	28	*
	5 years or more	7	*
	<5 years	11	*
	Total HSDA:	46	26
NORTH WEST	10 years or more	45	35
	5 years or more	17	11
	<5 years	10	8
	Total HSDA:	72	54
NORTHERN INTERIOR	10 years or more	93	72
	5 years or more	64	48
	<5 years	35	23
	Total HSDA:	192	143
Total HA:		310	223

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	166	123
5 years or more	88	61
<5 years	56	39
Total HA:	310	223

* 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	39	61	4	5
NORTH WEST	82	167	16	34
NORTHERN INTERIOR	118	478	19	182
Total:	239	706	39	221

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH EAST	6
NORTH WEST	21
NORTHERN INTERIOR	12
Total:	39

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

Definitions:

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

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





4.16 Distribution of 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	7	11	5
	KOOTENAY BOUNDARY	6	9	5
	OKANAGAN	28	45	16
	THOMPSON/CARIBOO/SHUSWAP	24	48	17
	Total HA:	65	113	43
FRASER	FRASER EAST	35	47	26
	FRASER NORTH	52	89	39
	FRASER SOUTH	84	118	63
	Total HA:	171	254	128
VANCOUVER COASTAL	NORTH SHORE/COAST GARIBALDI	29	52	26
	RICHMOND	8	13	6
	VANCOUVER	471	892	368
	Total HA:	508	957	400
VANCOUVER ISLAND	CENTRAL VANCOUVER ISLAND	48	82	38
	NORTH VANCOUVER ISLAND	15	25	12
	SOUTH VANCOUVER ISLAND	44	88	35
	Total HA:	107	195	85
NORTHERN	NORTH EAST	11	15	8
	NORTH WEST	31	65	25
	NORTHERN INTERIOR	69	112	59
	Total HA:	111	192	92
Total:		962	1711	748

Sex at birth	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	608	1099	479
Female	354	612	269

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total:	748	52	508	35

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

Definitions:

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

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





5.1 Drug Names and Definitions

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

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

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

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

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

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

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

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

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

Bictegravir: an INTEGRASE INHIBITOR from Gilead Sciences.

Boosted PI: a PI and a small (400 mg or less, total daily dose) additional dose or RITONAVIR. The addition of RITONAVIR inhibits metabolism of other PIs and improves their exposure. This may allow for decreased dosing frequency or pill burden and may improve adherence and antiretroviral activity.

CD4 Cell Count: the most commonly used marker for assessing the state of the immune system. As CD4 cell count declines, the risk of developing opportunistic infections increases. Normal CD4 cell counts are greater than 800 per cubic millimeter of blood.

Chemokine Receptor Inhibitor: a type of ENTRY INHIBITOR designed to prevent HIV entry by blocking the binding site of co-receptors, such as CCR5 or CXCR4.

Clarithromycin (Biaxin): an antibiotic used for the treatment of mycobacterium avium complex (MAC). It is also used for preventing MAC in those with advanced HIV infection.

Cobicistat: a pharmacokinetic enhancer (“booster”) given with other antiretrovirals to improve drug exposure. Cobicistat has no anti-HIV activity. It is currently available as a component of STRIBILD, GENVOYA and PREZCOBIX.

Combination Therapy: initial combination therapy for HIV contains at least three ANTIRETROVIRALS.

Combivir (CBV): the ViiV Healthcare trade name for a tablet containing both ZIDOVUDINE and LAMIVUDINE.

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

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

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





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

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

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

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

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

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

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

Enfuvirtide (Fuzeon, T20): a FUSION INHIBITOR from Hoffman-La Roche that targets the gp41 protein on the surface of HIV. It is administered as a subcutaneous injection.

Entry Inhibitor: a drug that inhibits the entry of HIV into cells. Entry inhibitors include FUSION INHIBITORS, CHEMOKINE RECEPTOR INHIBITORS, and attachment inhibitors.

Etravirine (Intelence, ETV): a NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR from Janssen that has activity against HIV in treatment-experienced patients.

Ethambutol (Myambutol): an antibiotic used in COMBINATION THERAPY for treatment of mycobacterial infections such as tuberculosis and mycobacterium avium complex (MAC).

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

Fosamprenavir (Telzir, fAPV): a PROTEASE INHIBITOR from ViiV Healthcare. Fosamprenavir is a PRODRUG of AMPRENAVIR.

Fusion Inhibitor: a type of ENTRY INHIBITOR designed to prevent HIV from fusing with and thereby infecting CD4 cells.

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

Granulocyte Colony Stimulating Factor (GCSF, Neupogen): a natural hormone that stimulates production of granulocytes, a type of white blood cell (leukocyte).

Health Authority: refers to the five (Interior, Fraser, Northern, Vancouver Coastal, Vancouver Island) health authorities created by the BC Ministry of Health.

Inactive: persons no longer dispensed drugs through the HIV/AIDS Drug Treatment program this current month.

Integrase Inhibitor: a drug that blocks integrase, a protein that HIV needs to enter cells and produce copies of itself, from working.

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

Lamivudine (3TC): a NUCLEOSIDE ANALOG from ViiV Healthcare with activity against HIV and hepatitis B.

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





Maraviroc (Celsentri, MVC): a CHEMOKINE RECEPTOR INHIBITOR from ViiV Healthcare that inhibits HIV entry by blocking the binding site of the CCR5 co-receptor.

Median (MED) age: median age of participants in the HIV/AIDS Drug Treatment program in that time period.

MDRT: see MULTIPLE DRUG RESCUE THERAPY

Moved out of BC: a person in the HIV/AIDS Drug Treatment program that is no longer in the program, because they moved out of BC in this time period.

Moxifloxacin: a fluoroquinolone antibiotic that is used for treatment of mycobacterium avium complex which is resistant to clarithromycin.

Multiple Drug Rescue Therapy (MDRT or Mega-HAART): the use of five or more antiretrovirals to treat HIV, typically some or all of which have been used previously by the individual.

Nelfinavir (Viracept, NFV): a PROTEASE INHIBITOR from ViiV Healthcare.

Net change: the net increase or decrease in persons enrolled in the HIV/AIDS Drug Treatment Program from the previous time period.

Nevirapine (Viramune, NVP): a NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR (NNRTI) from Boehringer Ingelheim.

NNRTI: see NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR.

NNRTI / no PI: a combination therapy regimen of four or fewer antiretroviral drugs, including an NNRTI, but no PIs.

Non-Nucleoside Reverse Transcriptase Inhibitor (NNRTI): a member of a class of compounds, including DELAVIRDINE, NEVIRAPINE, EFAVIRENZ and ETRAVIRINE that acts to directly combine with and block the action of HIV's reverse transcriptase enzyme.

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.





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

PI: see PROTEASE INHIBITOR.

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

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

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

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

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

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

Rilpivirine (Edurant, RPV): a NON-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.

