



BRITISH COLUMBIA
CENTRE *for* EXCELLENCE
in HIV/AIDS

B.C. HIV/AIDS Drug Treatment Program

Monthly Report

January 2021





© 2021 BC Centre for Excellence in HIV/AIDS

DISCLAIMER: This document is published by the British Columbia Centre for Excellence in HIV/AIDS (BC-CfE) as an overview of the activities of the BC-CfE's Drug Treatment Program. All information is generated from a live database maintained by the BC-CfE that houses data for clinical and virological outcome studies of patients receiving antiretroviral therapy.

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.

Please be advised that information provided in this document is provided in good faith and is derived from sources believed to be accurate and up-to-date at the report's date of publication. The BC Centre for Excellence in HIV/AIDS nevertheless reserves the right to update this information at any time.

Information provided here at this time, is being provided freely, and no kind of agreement or contract is created between you and the authors. The authors cannot be responsible for any violations should you reproduce or republish the information contained herein.

Please note that the figures and graphs in this document are best viewed in colour.

BC Centre for Excellence in HIV/AIDS Drug Treatment Program

St. Paul's Hospital
608 - 1081 Burrard Street
Vancouver, BC
V6Z 1Y6

Tel: 604.806.8515
Fax: 604.806.9044

Physician Drug Hotline: 1.800.665.7677
St. Paul's Hospital Pharmacy Hotline: 1.888.511.6222
Website: www.bccfe.ca
Email: info@bccfe.ca

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.





TABLE OF CONTENTS

1. List of Figures

- 1.1 Distribution of men and women on antiretroviral therapy in British Columbia by Health Authority
- 1.2 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class
- 1.3 Percent Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class
- 1.4 BC-CfE Enrolment: Net Number of New Antiretroviral Participants
- 1.5 BC-CfE Enrolment: New Antiretroviral Participants
- 1.6 Percent Distribution of Active Participants by CD4 Count
- 1.7 Percent Distribution of Inactive Participants by CD4 Count
- 1.8 Active and Inactive Participants
- 1.9 Percent Distribution of Participants on ARV Therapy by Number of Drugs
- 1.10 Distribution of Participants on Nucleoside/Nucleotide Analogues by Ingredient
- 1.11 Distribution of Participants on Nucleoside/Nucleotide Analogues at the time of first start of ARV Therapy by Ingredient
- 1.12 Distribution of Participants on Protease Inhibitor by Ingredient
- 1.13 Distribution of Participants on Protease Inhibitor at the time of first start of ARV Therapy by Ingredient
- 1.14 Distribution of Participants on Non-Nucleosides by Ingredient
- 1.15 Distribution of Participants on Non-Nucleosides at the time of first start of ARV Therapy by Ingredient
- 1.16 Distribution of Participants on Entry/Integrase Inhibitors by Ingredient
- 1.17 Distribution of Participants on Entry/Integrase Inhibitors at the time of first start of ARV Therapy by Ingredient
- 1.18 Baseline CD4 for Antiretroviral First Starts
- 1.19 DTP Participants with PVL Measurement within previous five years, and never on ART
- 1.20 Cumulative Resistance Testing Results by Resistance Category
- 1.21 Percent of Participants ever on ARV - Resistance Testing Results by Resistance Category

2. List of Tables

- 2.1 Duration of ARV treatment in the Province of BC, 1987-2012 (for HIV+ persons currently on treatment)
- 2.2 Median Viral Load and CD4 for Active patients in Drug Treatment Program
- 2.3 Median Viral Load and CD4 for Inactive patients in Drug Treatment Program
- 2.4 BC-CfE Enrolment
- 2.5 Percent Distribution of Participants on ARV Therapy by Number of Drugs
- 2.6 Number of Participants on Nucleoside/Nucleotide Analogues by Ingredient
- 2.7 Number of Participants on Protease Inhibitor by Ingredient
- 2.8 Number of Participants on Non-Nucleosides by Ingredient
- 2.9 Number of Participants on Entry/Integrase Inhibitors by Ingredient
- 2.10 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class
- 2.11 Baseline CD4 for Antiretroviral First Starts
- 2.12 DTP Participants with PVL Measurement within previous five years, and never on ART





Table of Contents, cont'd...

3. Health Authority Maps

- 3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants
- 3.2 Interior Health Authority & Kelowna
- 3.3 Fraser Health Authority & Surrey
- 3.4 Vancouver Coastal Health Authority & Vancouver
- 3.5 Vancouver Island Health Authority & Victoria
- 3.6 Northern Health Authority & Prince George

4. Health Authority Tables

INTERIOR HEALTH

- 4.1 Distribution of Participants in BC-CfE Registries by Age and Gender
- 4.2 Distribution of Participants in BC-CfE Registries by Treatment Duration
- 4.3 Distribution of ARV Prescribing Physicians in BC-CfE Registries

FRASER HEALTH

- 4.4 Distribution of Participants in BC-CfE Registries by Age and Gender
- 4.5 Distribution of Participants in BC-CfE Registries by Treatment Duration
- 4.6 Distribution of ARV Prescribing Physicians in BC-CfE Registries

VANCOUVER COASTAL

- 4.7 Distribution of Participants in BC-CfE Registries by Age and Gender
- 4.8 Distribution of Participants in BC-CfE Registries by Treatment Duration
- 4.9 Distribution of ARV Prescribing Physicians in BC-CfE Registries

VANCOUVER ISLAND

- 4.10 Distribution of Participants in BC-CfE Registries by Age and Gender
- 4.11 Distribution of Participants in BC-CfE Registries by Treatment Duration
- 4.12 Distribution of ARV Prescribing Physicians in BC-CfE Registries

NORTHERN HEALTH

- 4.13 Distribution of Participants in BC-CfE Registries by Age and Gender
- 4.14 Distribution of Participants in BC-CfE Registries by Treatment Duration
- 4.15 Distribution of ARV Prescribing Physicians in BC-CfE Registries

ABORIGINAL

- 4.16 Distribution of Aboriginal Participants in BC-CfE Registries by Health Service Delivery Area and Gender

5. Appendix

- 5.1 Drug Names and Definitions

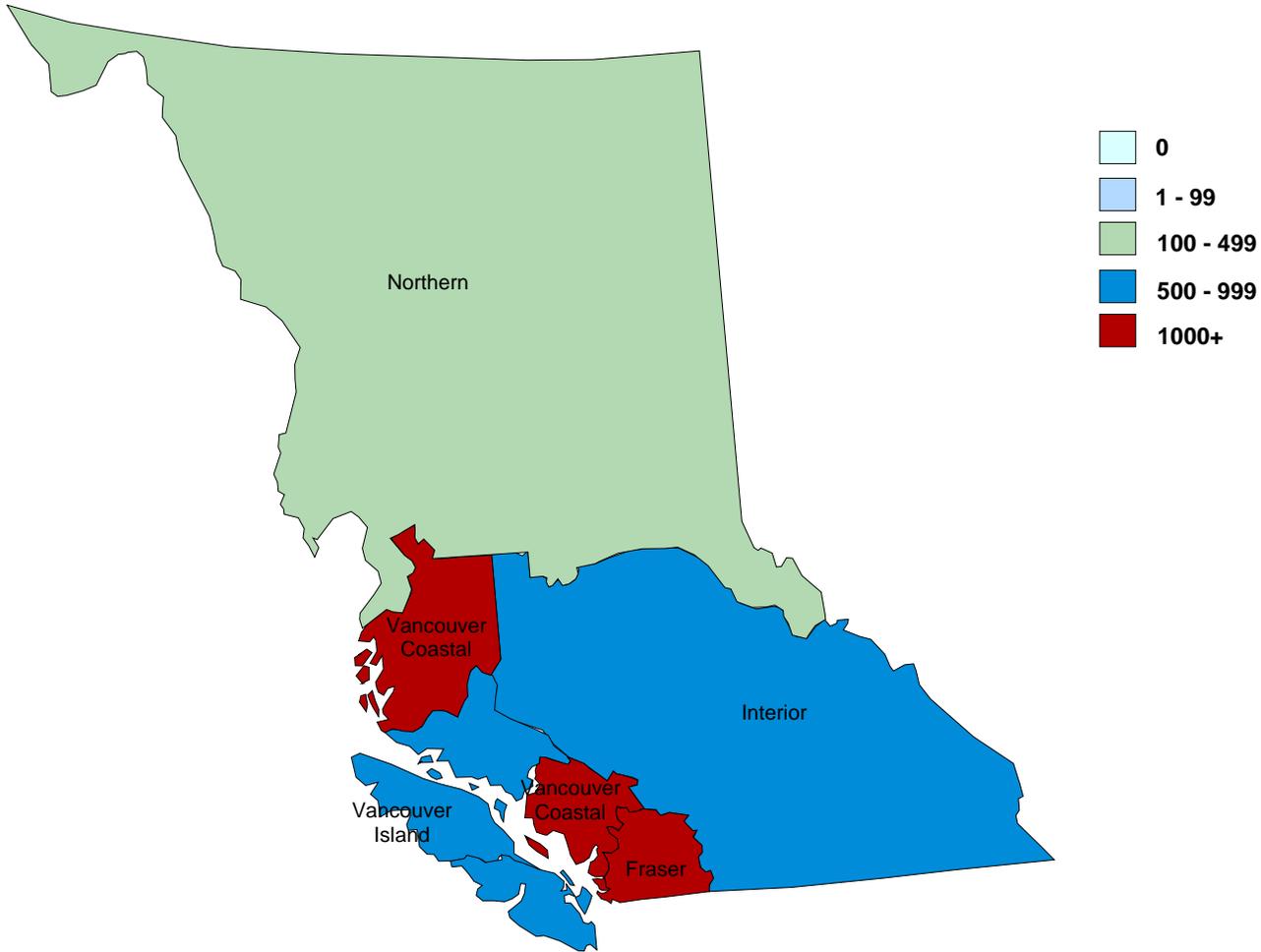




1.1 Distribution of men and women on antiretroviral therapy in British Columbia by Health Authority

January 2021

N = 7402



Health Authority	Male	Female	All
FRASER	1461	447	1908
INTERIOR	423	99	522
NORTHERN	138	82	220
VANCOUVER COASTAL	3350	445	3795
VANCOUVER ISLAND	765	160	925
	6137	1233	7370
		Unknown/not stated:	32
		Total:	7402

Definitions:

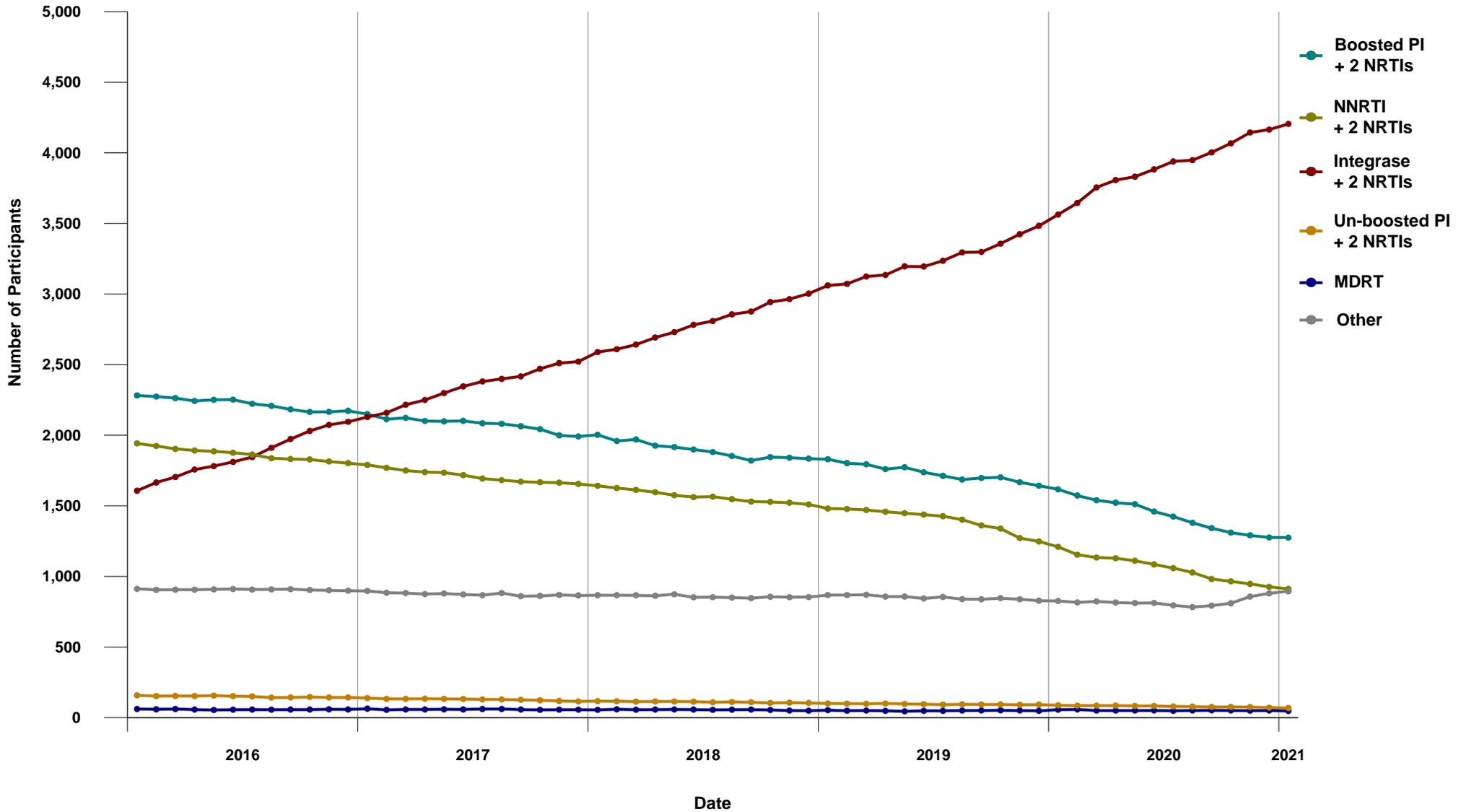
On antiretroviral therapy defined as being on treatment in the current month

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



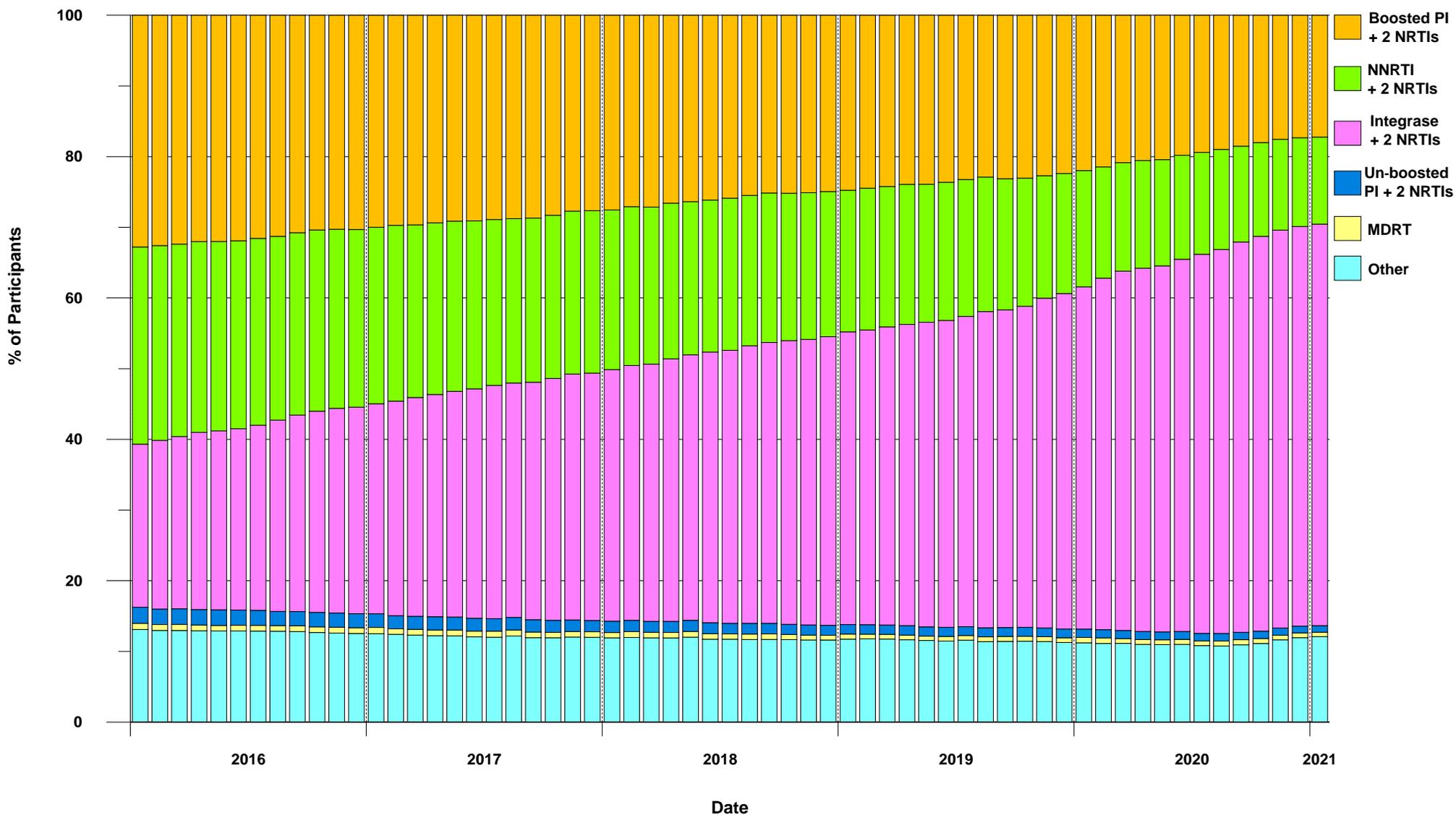


1.2 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (January 2016 - January 2021)



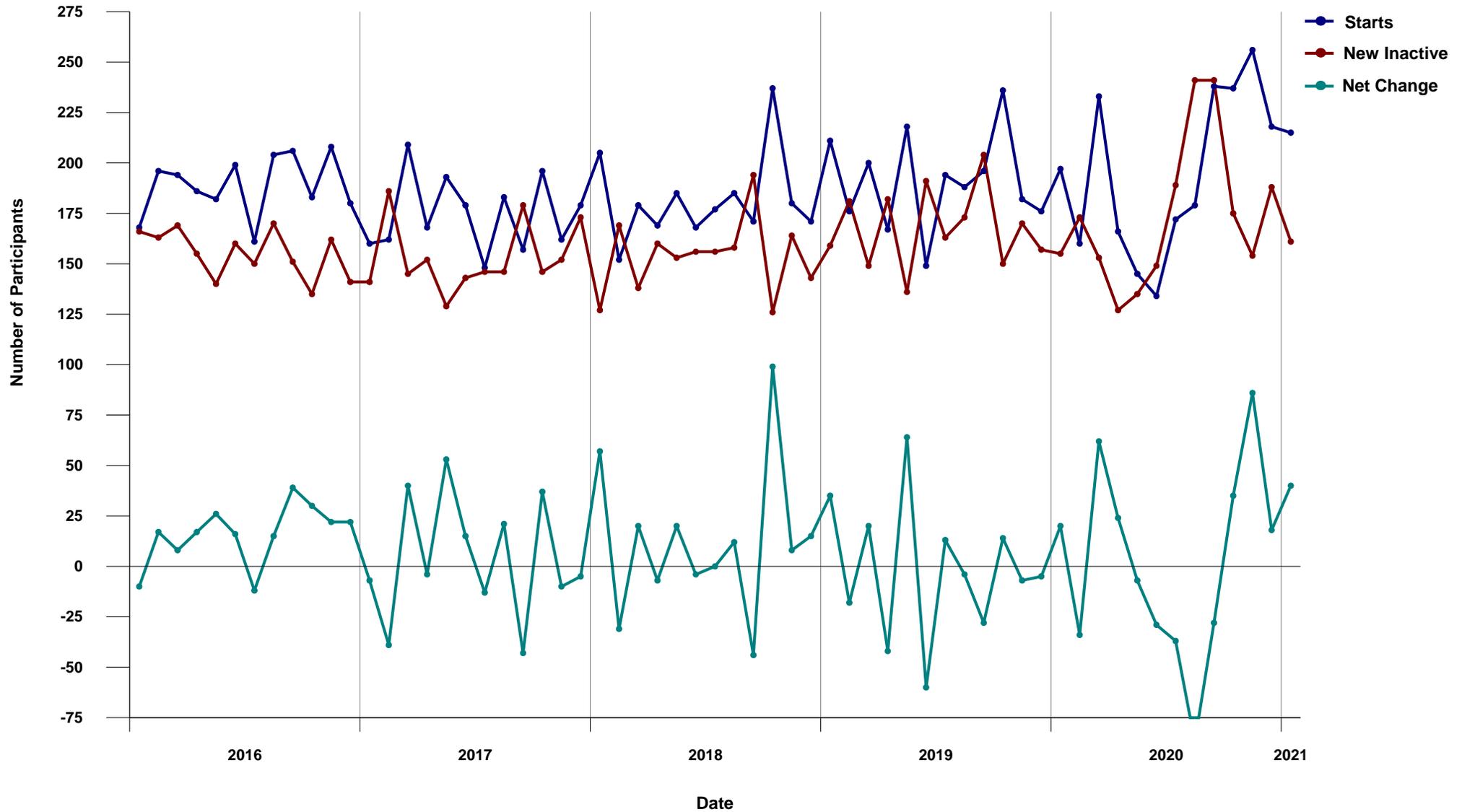


1.3 Percent Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class (January 2016 - January 2021)



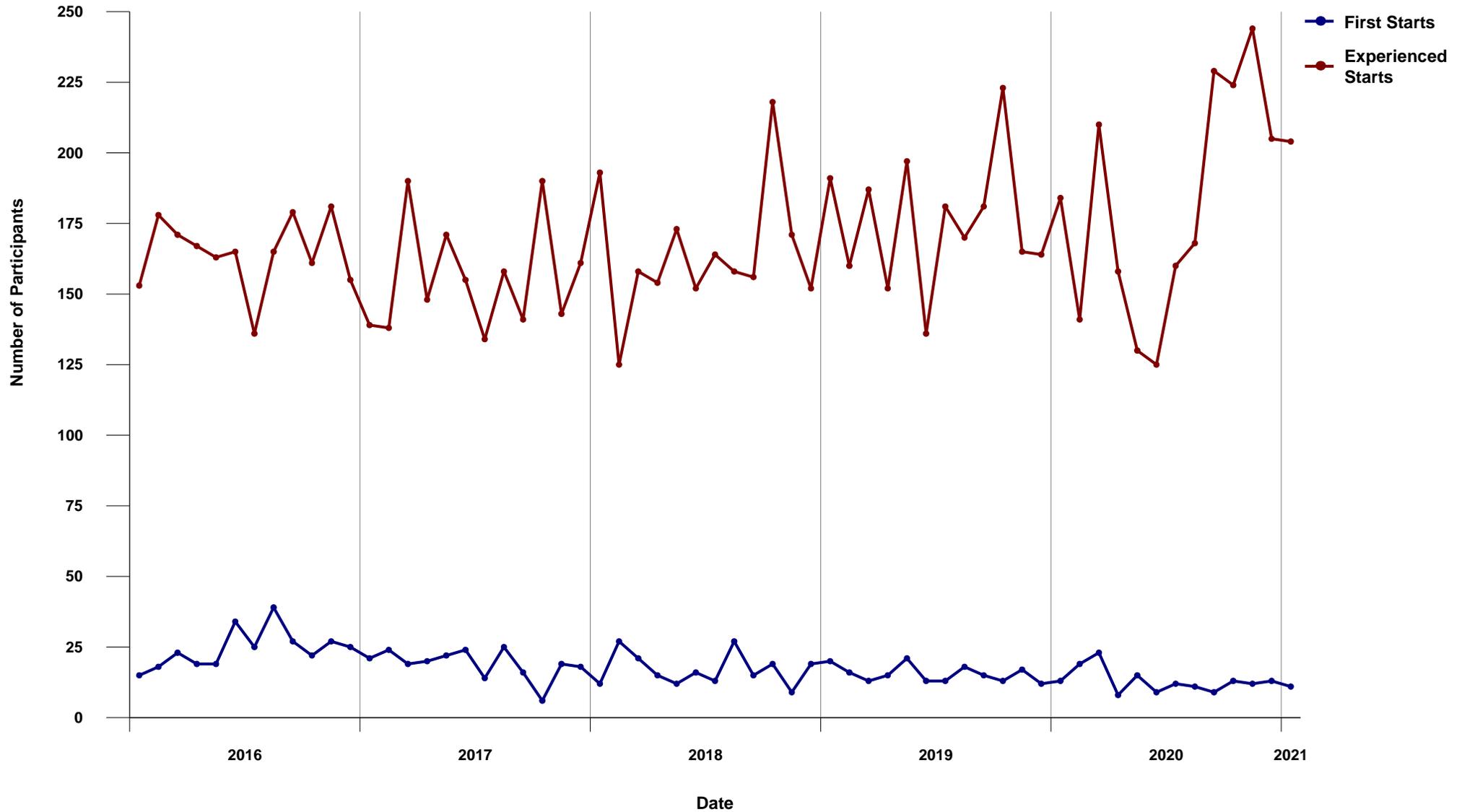


1.4 BC-CfE Enrollment: Net Number of New Antiretroviral Participants (January 2016 - January 2021)



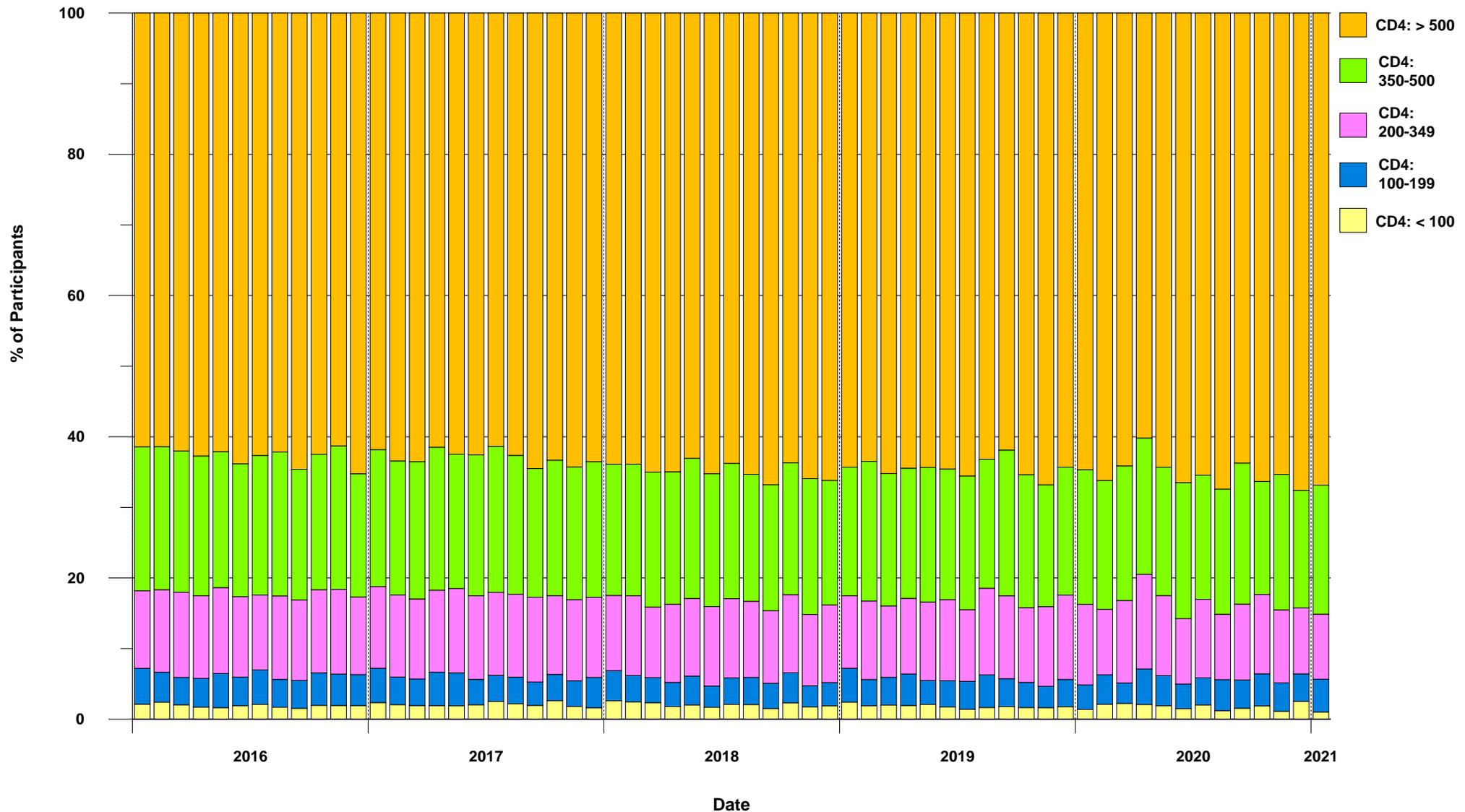


1.5 BC-CfE Enrollment: New Antiretroviral Participants (January 2016 - January 2021)



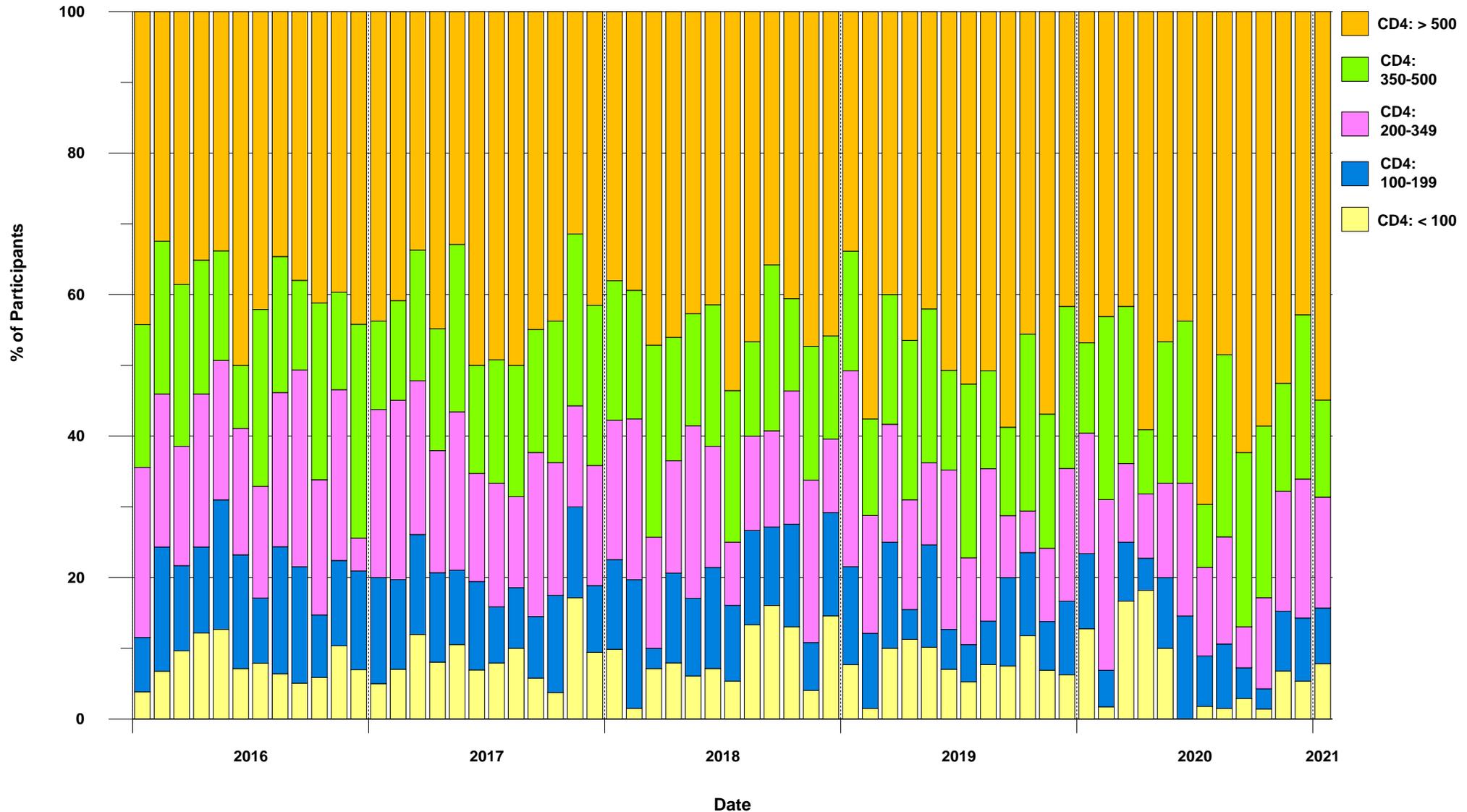


1.6 Percent Distribution of Active Participants by CD4 Count (January 2016 - January 2021)



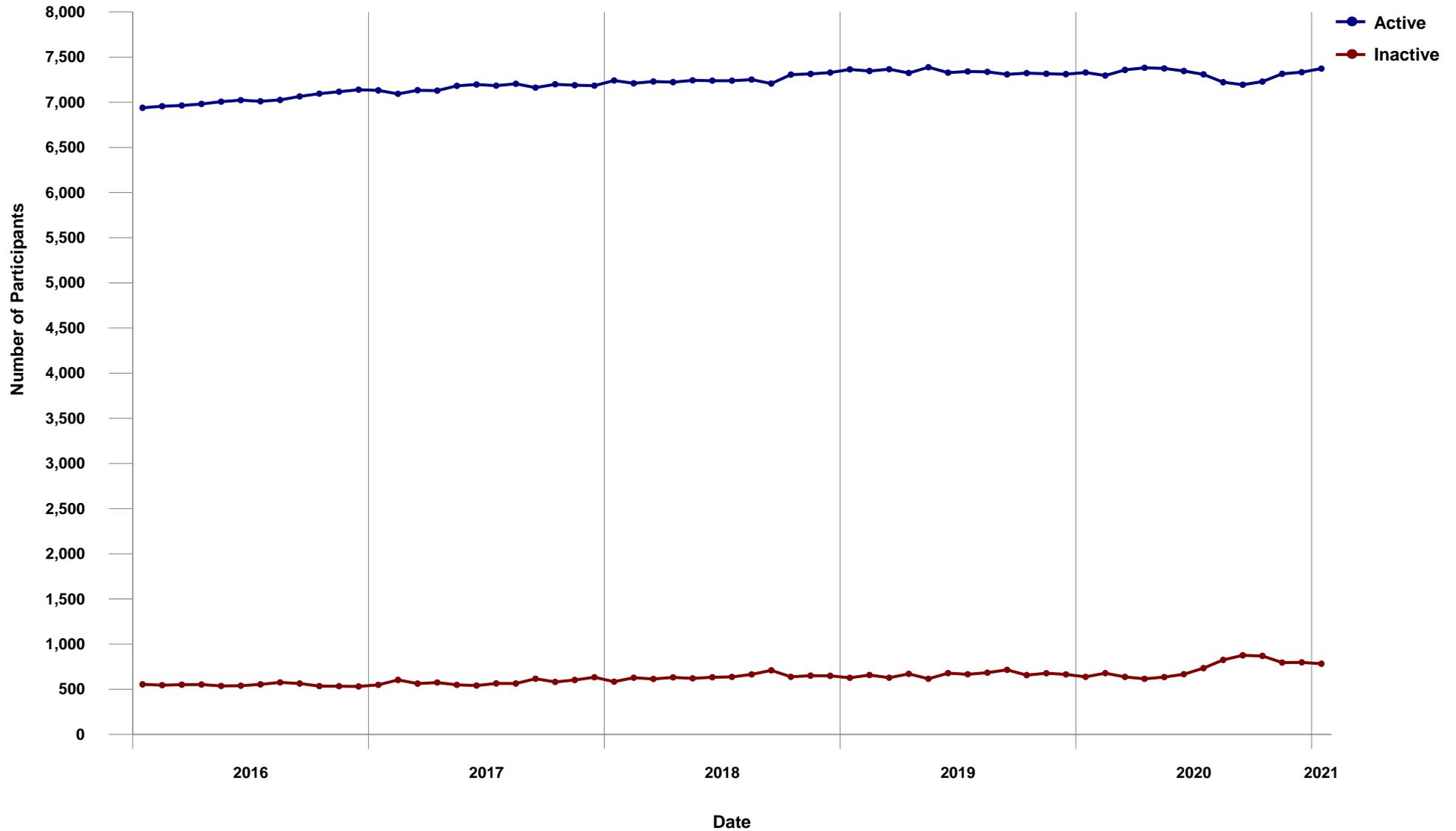


1.7 Percent Distribution of Inactive Participants by CD4 Count (January 2016 - January 2021)





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



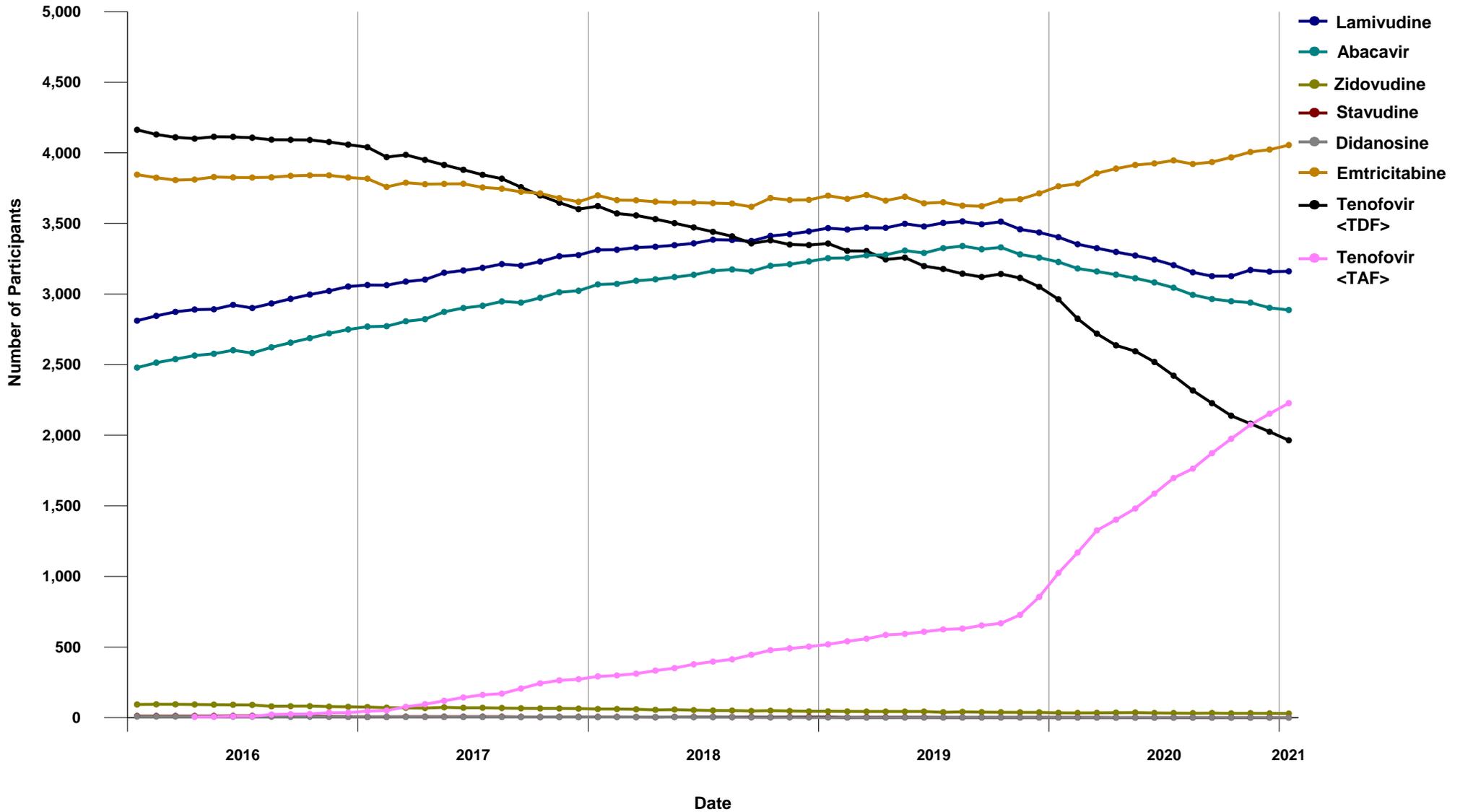


**1.9 Percent Distribution of Participants on ARV Therapy by Number of Drugs
(January 2016 - January 2021)**





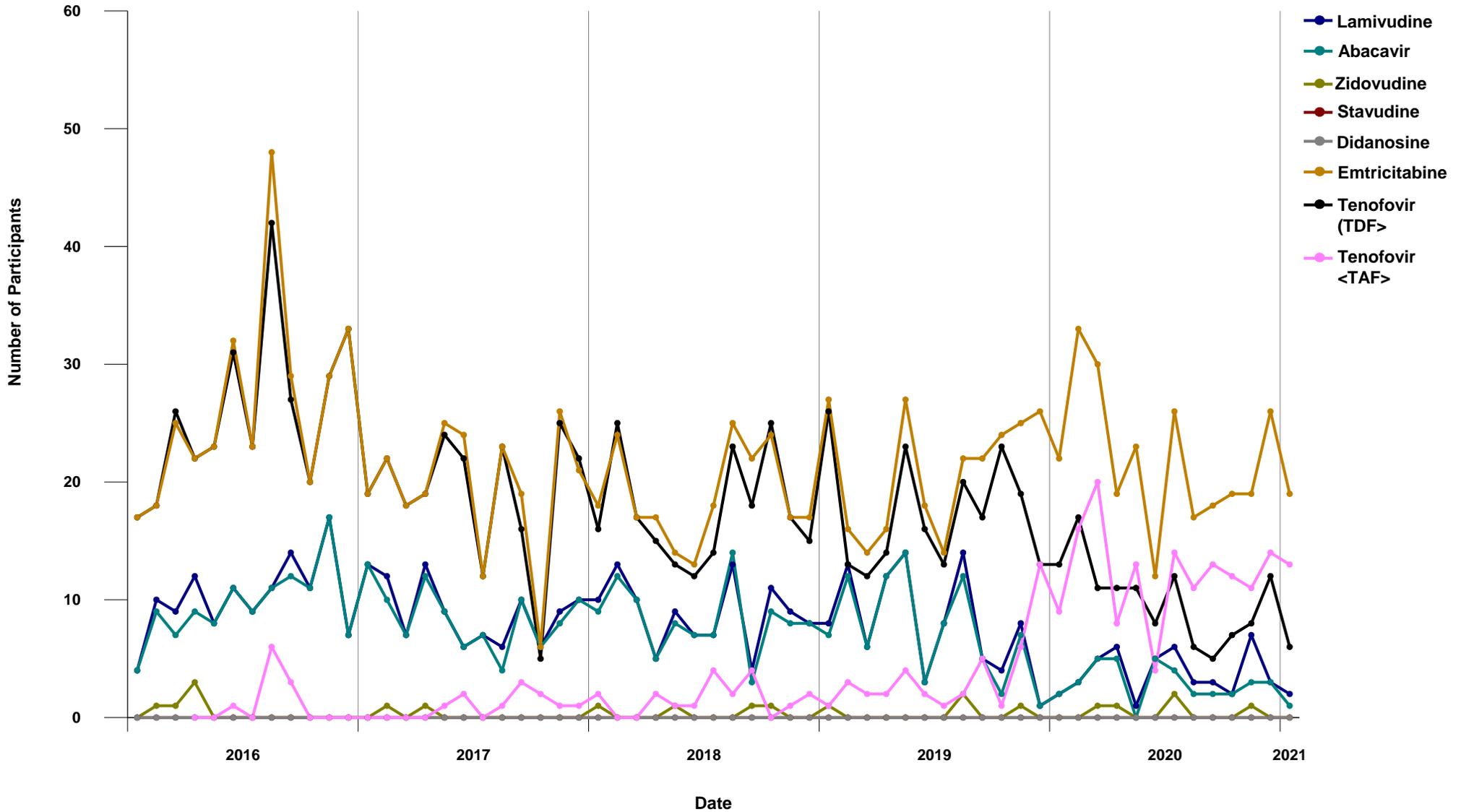
1.10 Distribution of Participants on Nucleoside/Nucleotide Analogues by INGREDIENT
(January 2016 - January 2021)





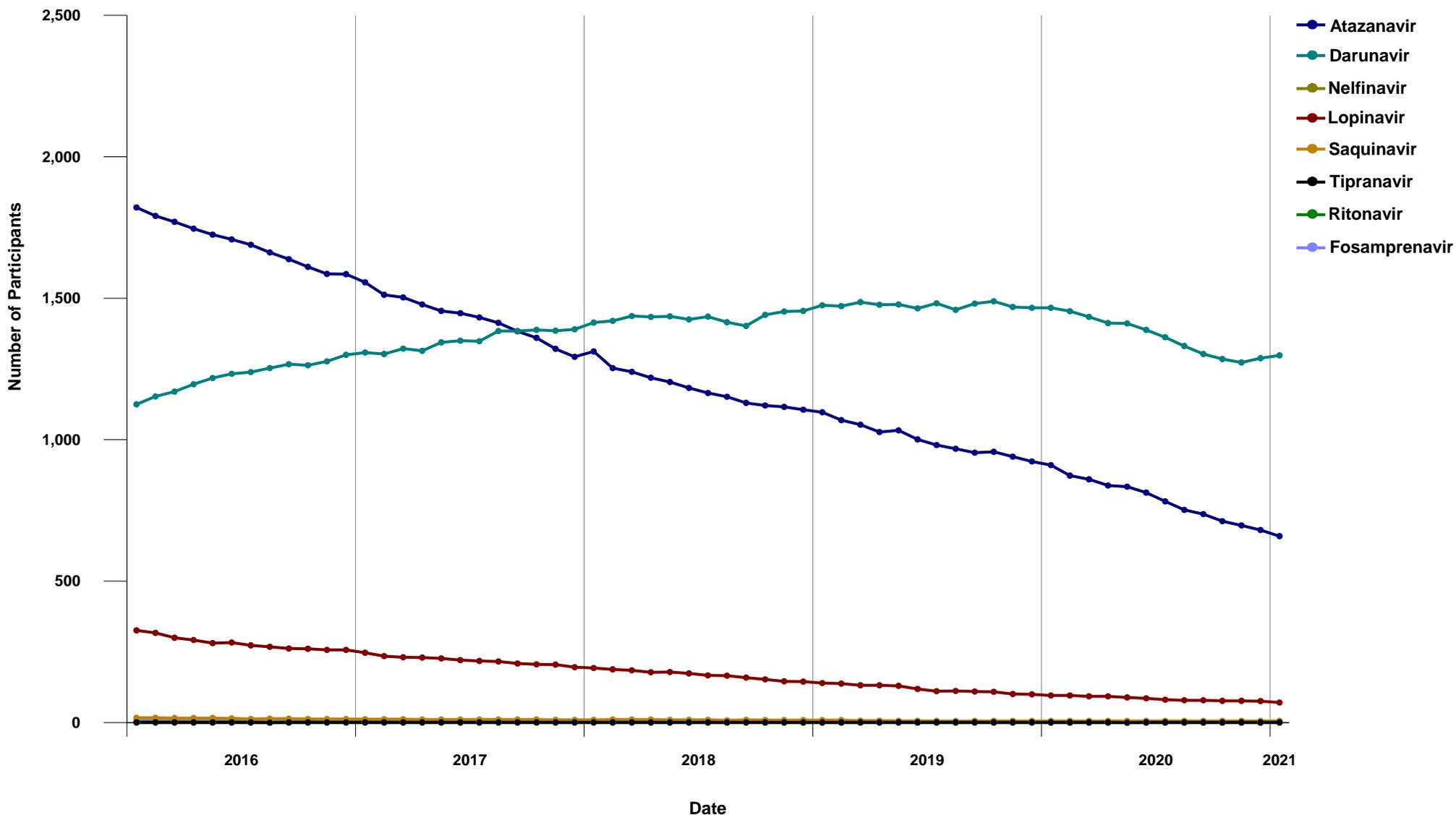
1.11 Distribution of Participants on Nucleoside/Nucleotide Analogues at the time of first start of ARV Therapy by INGREDIENT

(January 2016 - January 2021)





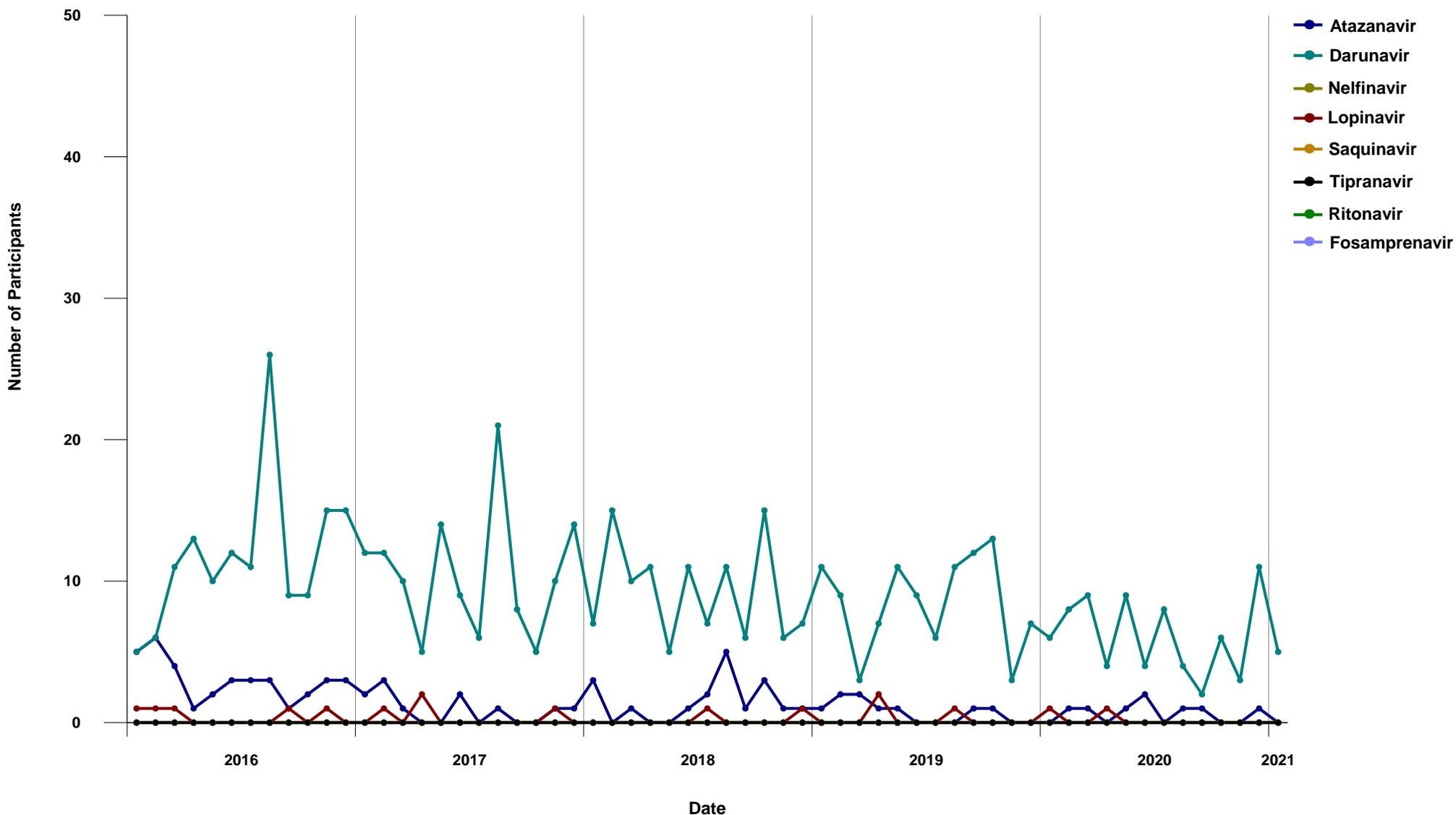
1.12 Distribution of Participants on Protease Inhibitor by INGREDIENT (January 2016 - January 2021)





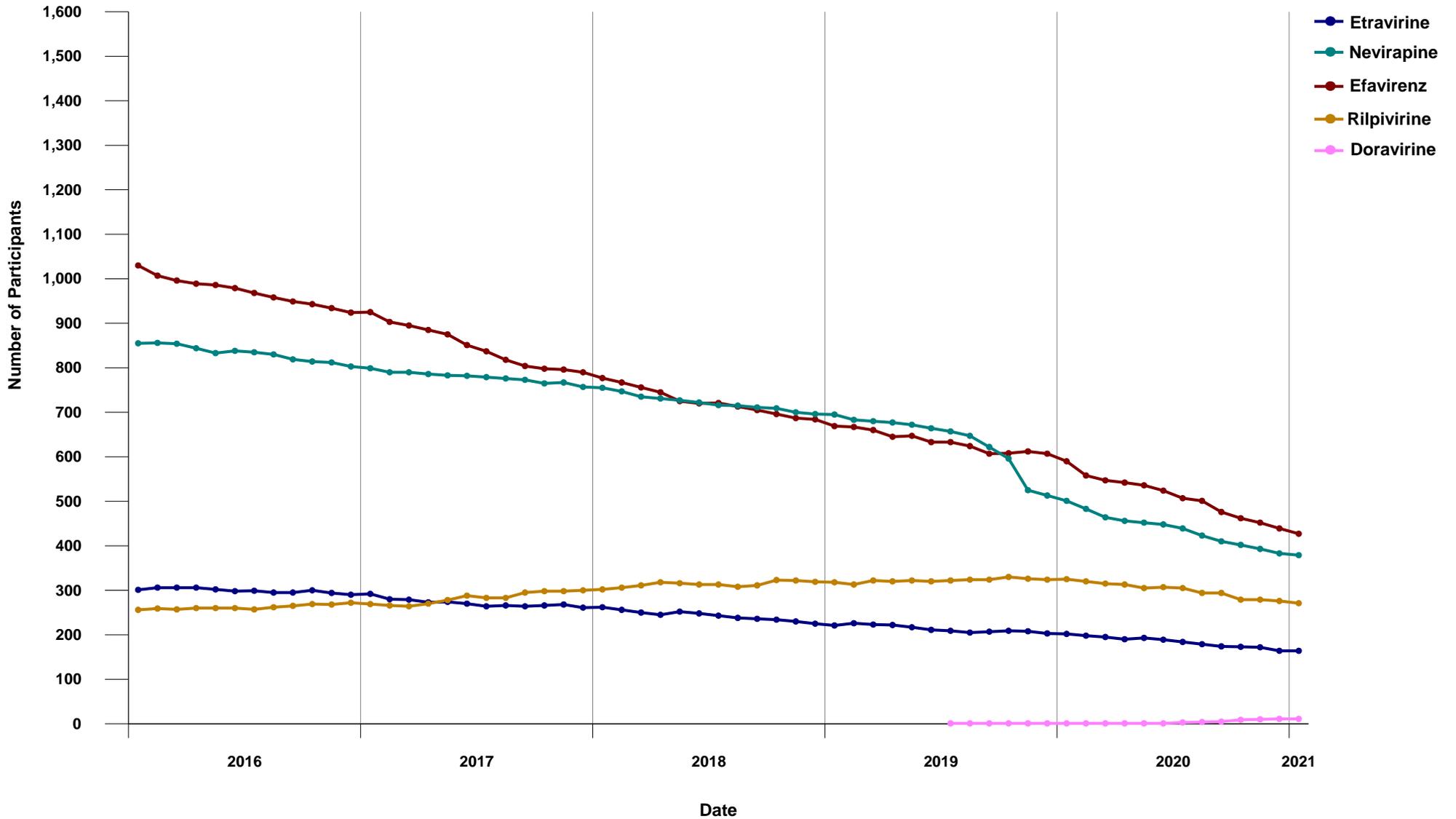
1.13 Distribution of Participants on Protease Inhibitor at the time of first start of ARV Therapy by INGREDIENT

(January 2016 - January 2021)





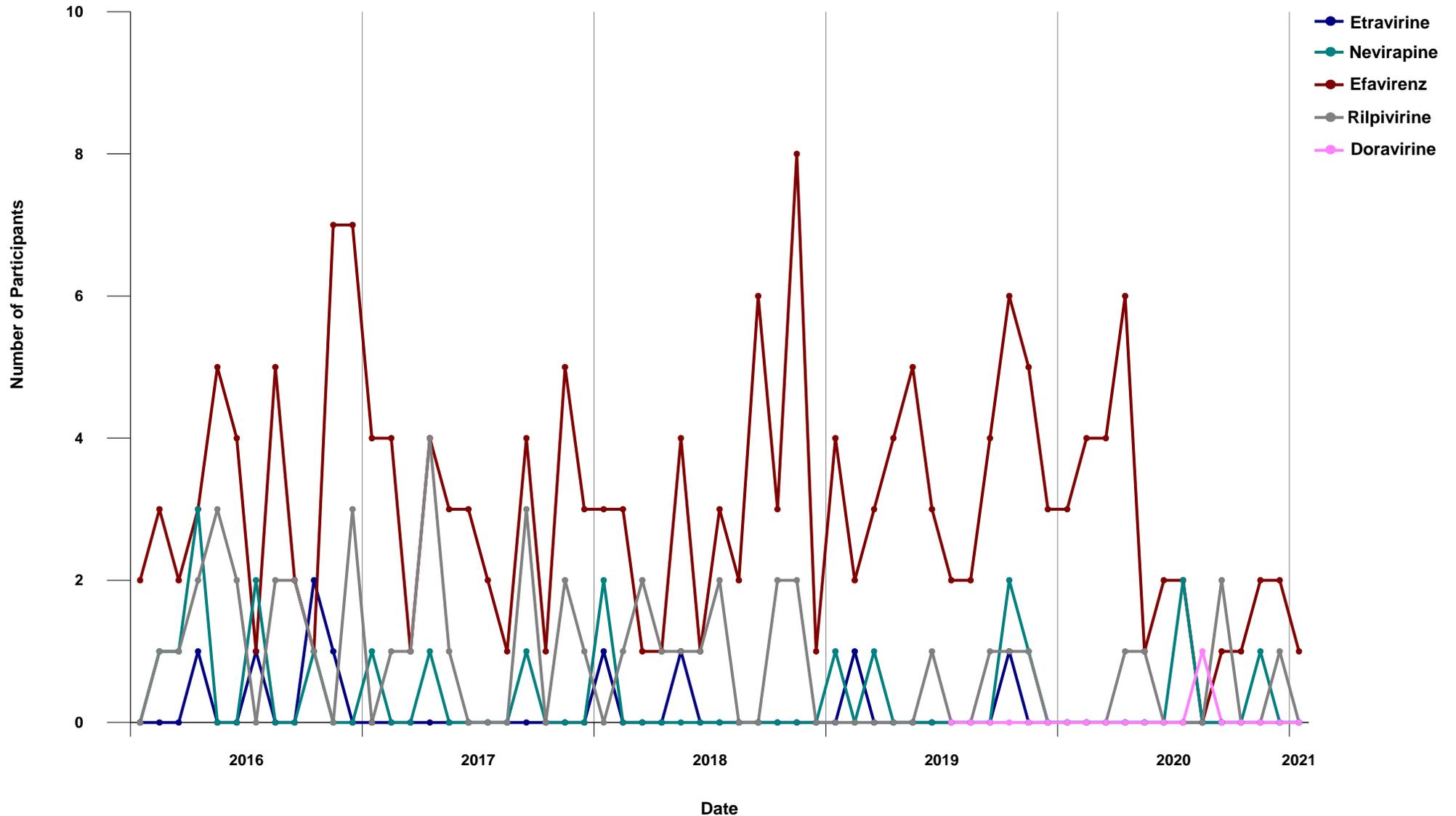
1.14 Distribution of Participants on Non-Nucleosides by INGREDIENT
(January 2016 - January 2021)





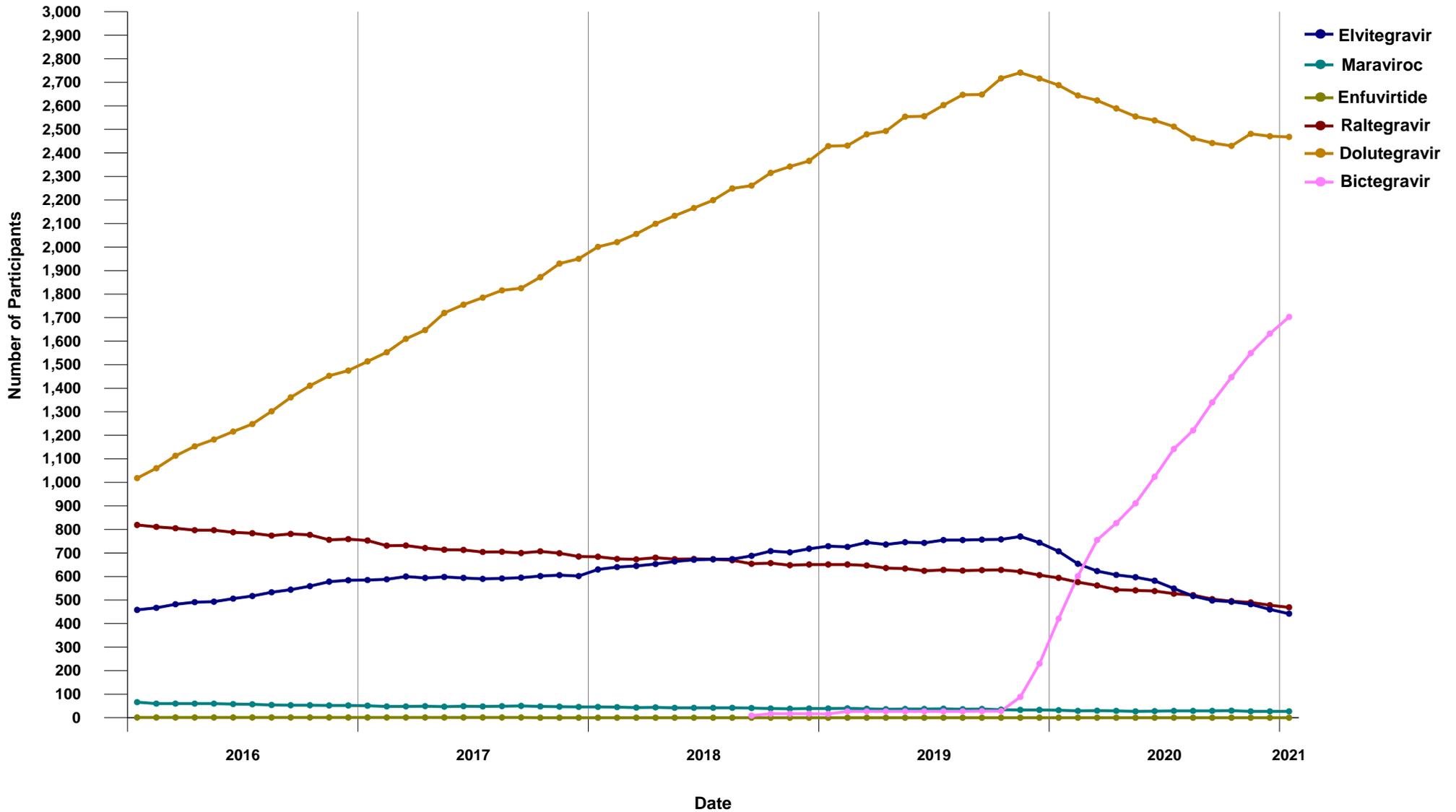
1.15 Distribution of Participants on Non-Nucleosides at the time of first start of ARV Therapy by INGREDIENT

(January 2016 - January 2021)





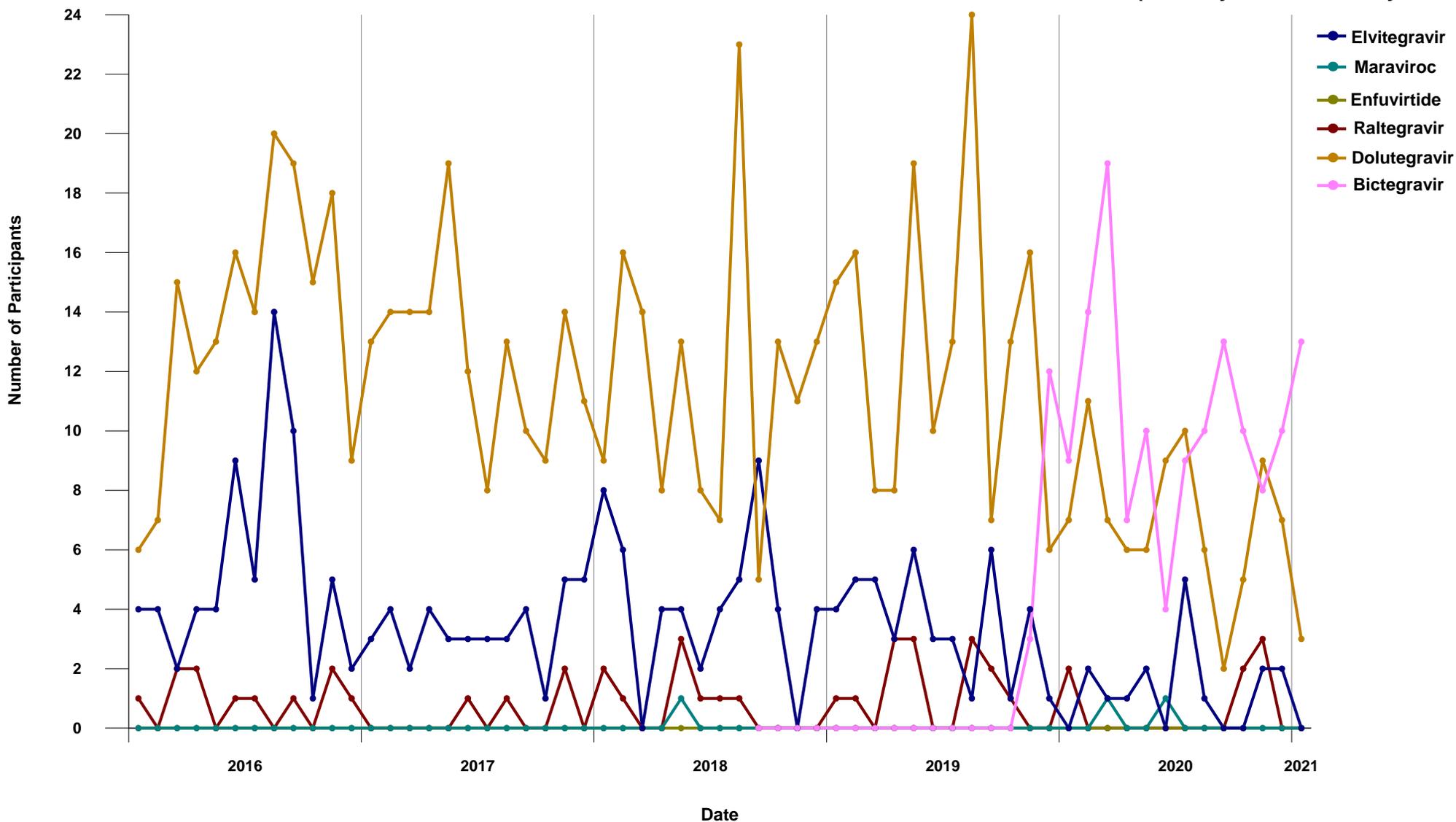
1.16 Distribution of Participants on Entry/Integrase Inhibitors by INGREDIENT (January 2016 - January 2021)





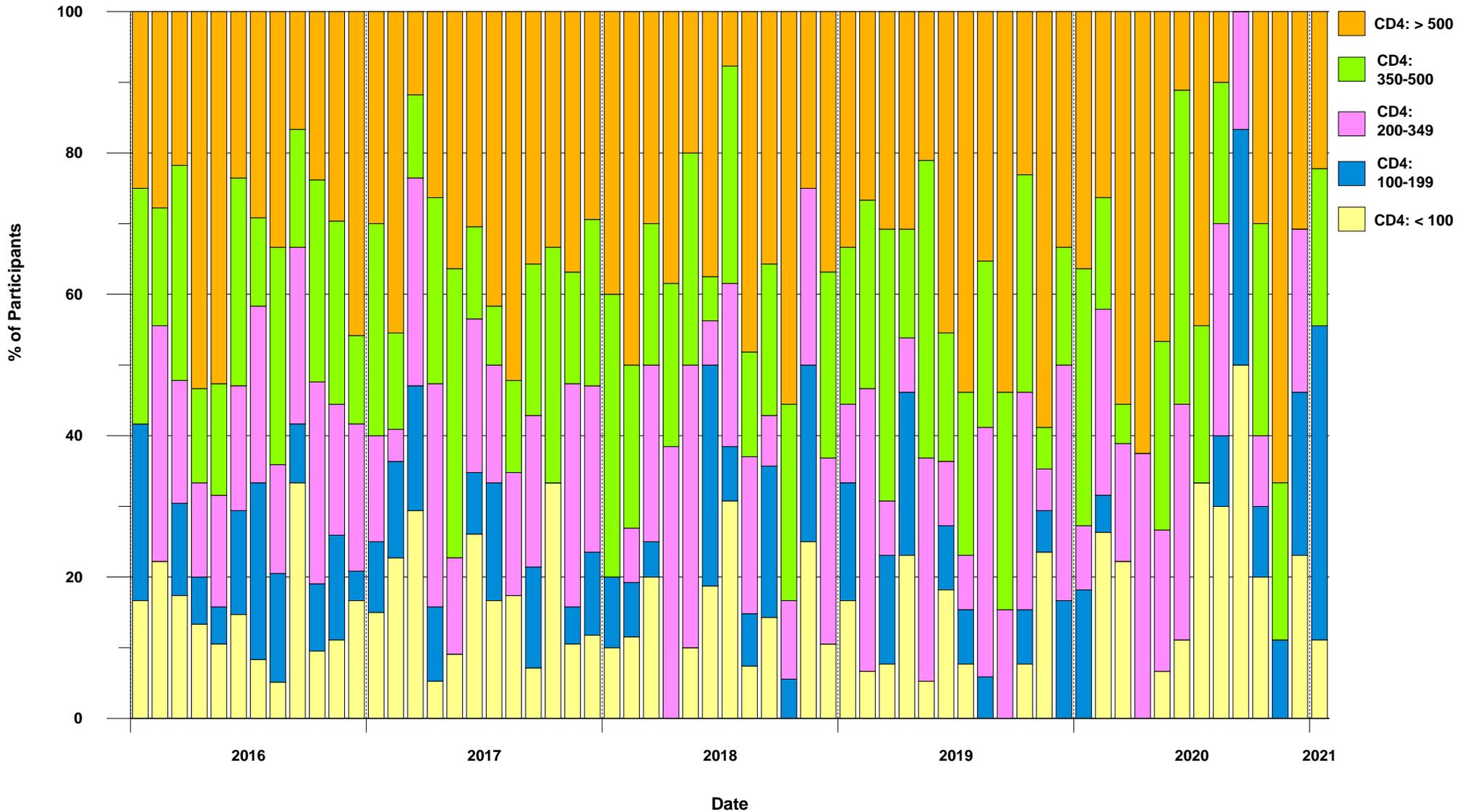
1.17 Distribution of Participants on Entry/Integrase Inhibitors at the time of first start of ARV Therapy by INGREDIENT

(January 2016 - January 2021)



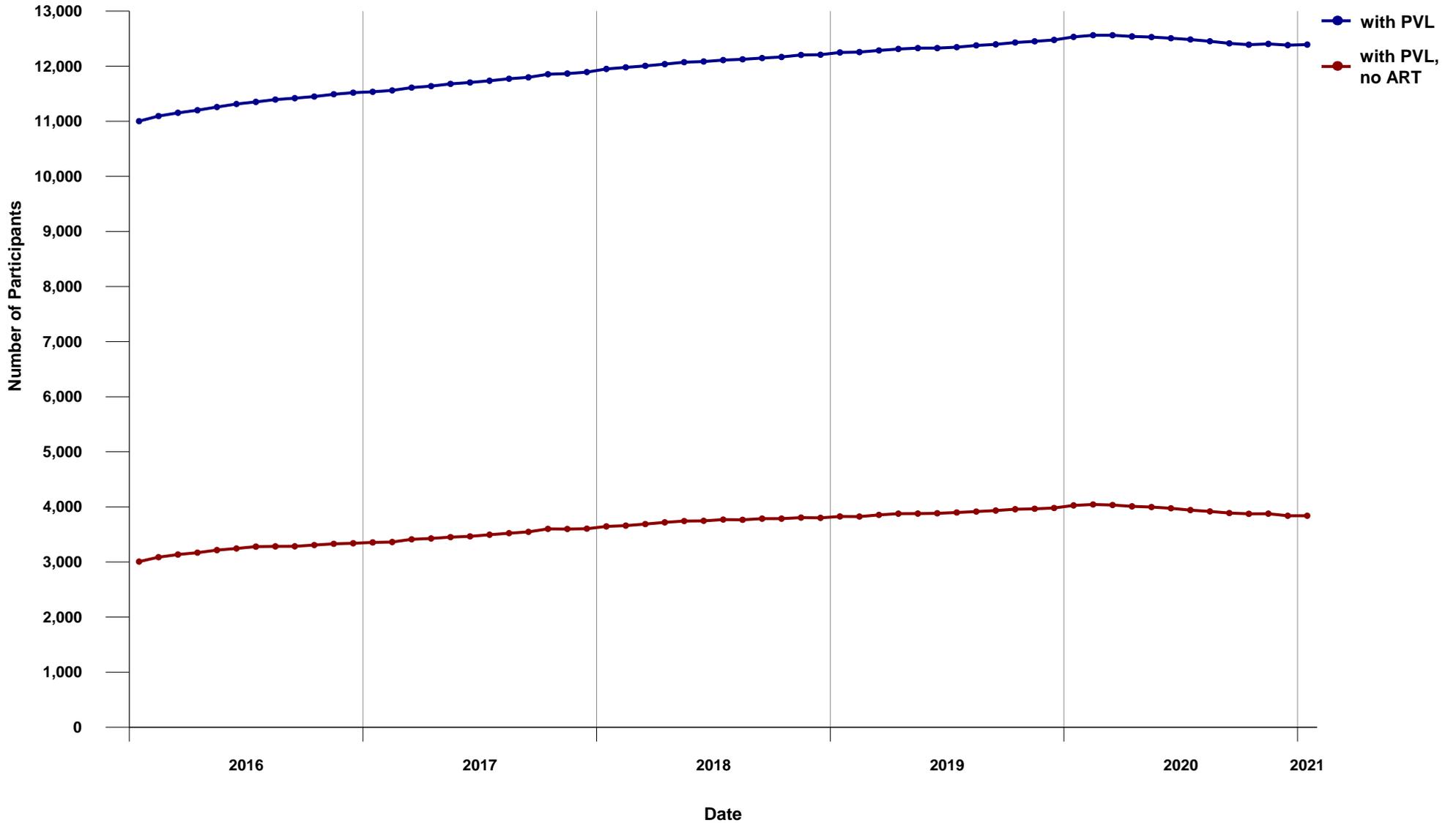


1.18 Baseline CD4 for Antiretroviral First Starts
(January 2016 - January 2021)



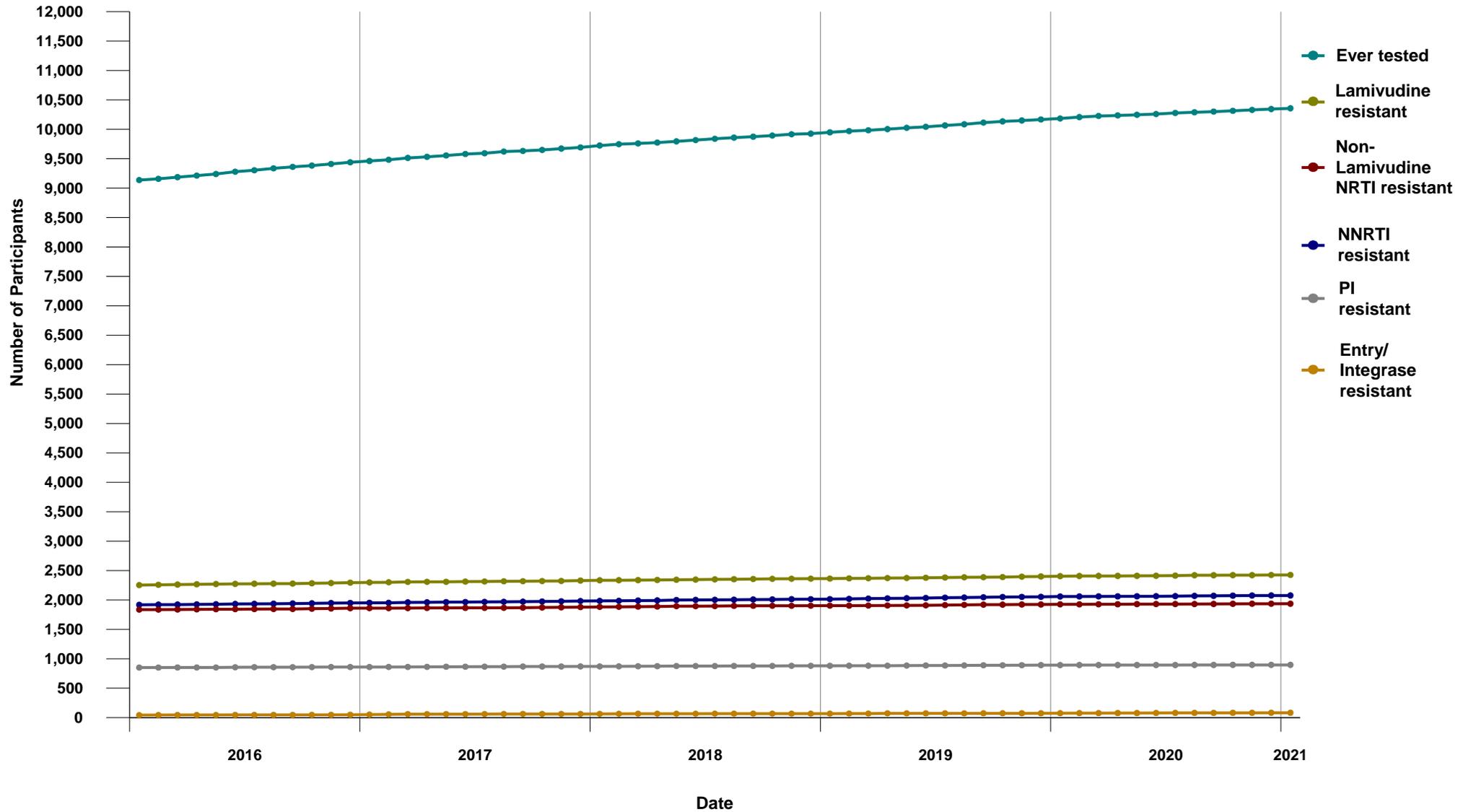


1.19 DTP Participants with PVL Measurement within previous five years, and never on ART (January 2016 - January 2021)



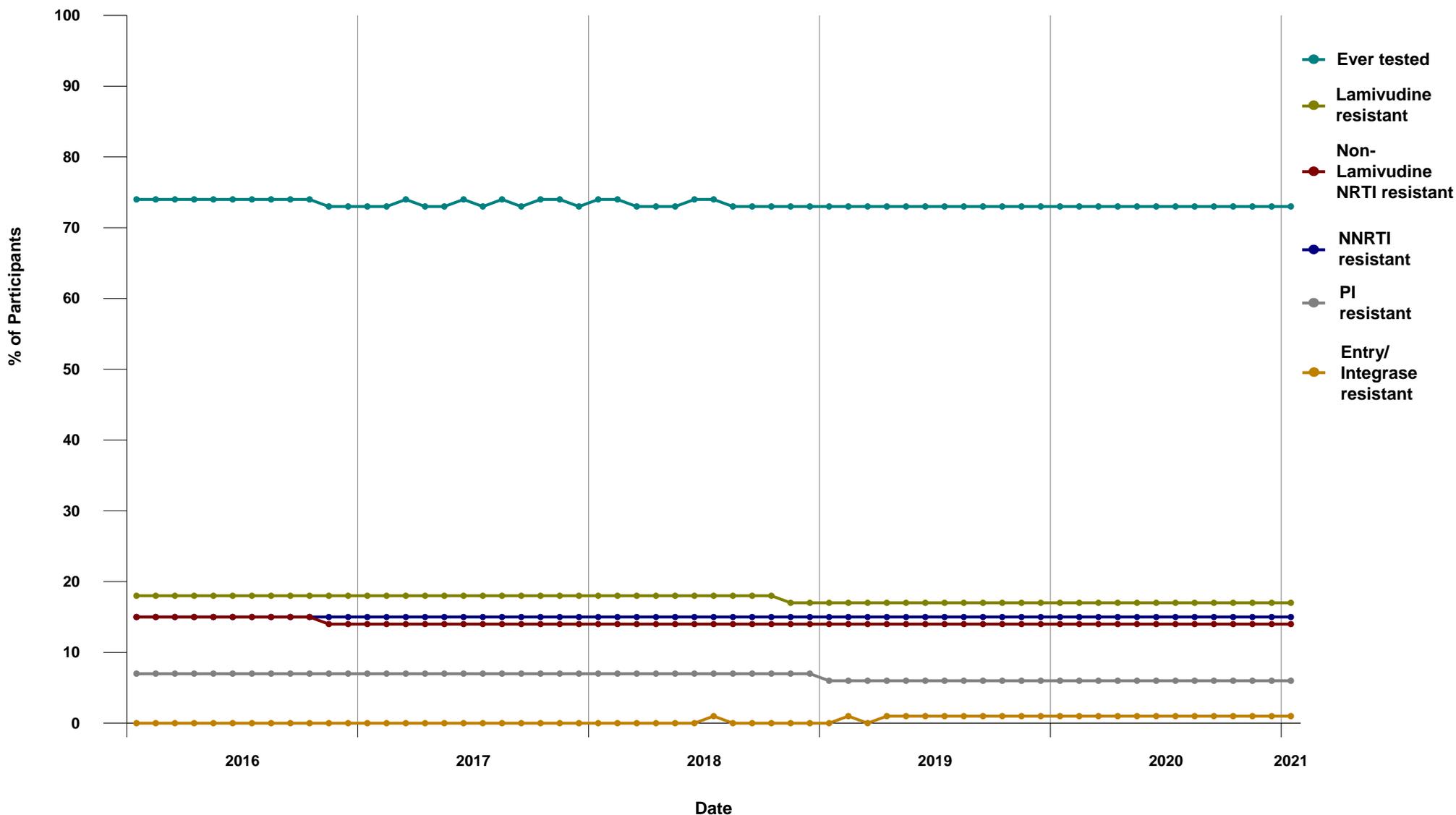


1.20 Cumulative Resistance Testing Results by Resistance Category (January 2016 - January 2021)





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





**2.1 Duration of ARV treatment in the Province of BC, 1987-2021
(for HIV+ persons currently on treatment)**

Start Year	Duration (years) Median	Male	Female	All	Current CD4 (n)	Median	Current PVL (n)	Median	Current ARV Median
1987	29	4	0	4	1	780	4	<40	4
1988	30	5	0	5	4	510	5	<40	3
1989	28	53	1	54	27	490	51	<40	3
1990	27	52	1	53	33	580	50	<40	3
1991	27	38	3	41	25	650	39	<40	3
1992	26	61	5	66	34	620	61	<40	3
1993	25	126	13	139	94	560	133	<40	3
1994	24	79	13	92	67	590	88	<40	3
1995	24	129	21	150	106	535	145	<40	3
1996	22	321	45	366	231	560	342	<40	3
1997	20	273	33	306	206	615	278	<40	3
1998	19	194	43	237	160	565	212	<40	3
1999	19	163	38	201	130	590	174	<40	3
2000	19	119	33	152	107	580	138	<40	3
2001	19	115	28	143	90	640	127	<40	3
2002	18	125	26	151	94	580	136	<40	3
2003	17	143	26	169	106	615	154	<40	3
2004	16	156	39	195	135	620	178	<40	3
2005	15	185	44	229	169	640	212	<40	3
2006	14	173	41	214	135	600	182	<40	3
2007	13	236	48	284	188	620	248	<40	3
2008	12	270	62	332	231	670	295	<40	3
2009	11	300	63	363	253	630	335	<40	3
2010	10	267	66	333	229	670	294	<40	3
2011	9	321	69	390	258	690	340	<40	3
2012	8	265	64	329	210	700	288	<40	3
2013	7	261	69	330	207	690	287	<40	3
2014	6	275	53	328	202	695	294	<40	3
2015	5	284	46	330	210	700	290	<40	3
2016	4	265	53	318	199	690	276	<40	3
2017	4	212	33	245	164	665	218	<40	3
2018	3	197	51	248	156	700	215	<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	238	47	285	208	640	255	<40	3
2020	1	211	59	270	223	610	260	<40	3
2021	0	18	3	21	15	410	21	112	3
Total:		6134	1239	7373					

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	7359	774	2227	<40	1726	610
FEB-2020	7331	775	1882	<40	1414	620
MAR-2020	7387	768	1628	<40	1207	620
APR-2020	7408	770	767	<40	575	590
MAY-2020	7398	776	1186	<40	891	600
JUN-2020	7374	783	1558	<40	1143	620
JUL-2020	7344	794	1918	<40	1432	610
AUG-2020	7268	791	1848	<40	1319	630
SEP-2020	7248	784	1735	<40	1221	620
OCT-2020	7280	776	1782	<40	1274	640
NOV-2020	7363	763	1858	<40	1240	610
DEC-2020	7368	752	1542	<40	1027	640
JAN-2021	7402	741	1944	<40	1270	640

Definitions:

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

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

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





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

MON-YYYY	# of patients	Median # days of off therapy	# of patients with PVL test	Median PVL	# of patients with CD4 test	Median CD4
JAN-2020	638	191	71	255	47	460
FEB-2020	679	174	71	<40	58	480
MAR-2020	637	190	53	<40	36	465
APR-2020	616	206	28	116	22	555
MAY-2020	635	196	42	<50	30	490
JUN-2020	667	182	58	<40	48	480
JUL-2020	734	162	72	<40	56	625
AUG-2020	825	142	77	<40	66	485
SEP-2020	876	138	95	<40	69	610
OCT-2020	869	179	87	<40	70	590
NOV-2020	796	195	78	<40	59	510
DEC-2020	798	190	67	<40	56	445
JAN-2021	783	210	72	<40	51	550

Definitions:

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

Days off therapy defined as number of days elapsed since last ARV treatment

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





2.4 BC-CfE Enrollment

MON-YYYY	Currently on ARV Therapy	Currently off ARV Therapy	Deceased	First Starts	Experienced Starts	New Inactive	Net Change	Cumulative Patients
JAN-2020	7330	638	10	13	184	155	20	13903
FEB-2020	7296	679	12	19	141	173	-34	13939
MAR-2020	7358	637	14	23	210	153	62	13975
APR-2020	7382	616	12	8	158	127	24	14000
MAY-2020	7375	635	10	15	130	135	-7	14025
JUN-2020	7346	667	8	9	125	149	-29	14042
JUL-2020	7309	734	15	12	160	189	-37	14074
AUG-2020	7222	825	18	11	168	241	-87	14094
SEP-2020	7194	876	19	9	229	241	-28	14115
OCT-2020	7229	869	20	13	224	175	35	14136
NOV-2020	7315	796	12	12	244	154	86	14162
DEC-2020	7333	798	10	13	205	188	18	14191
JAN-2021	7373	783	13	11	204	161	40	14212

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	6759	484	56	7359	0.82%	91.85%	6.58%	0.76%	100.00%
FEB-2020	59	6737	477	58	7331	0.80%	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	6807	481	50	7398	0.81%	92.01%	6.50%	0.68%	100.00%
JUN-2020	59	6779	485	51	7374	0.80%	91.93%	6.58%	0.69%	100.00%
JUL-2020	62	6762	472	48	7344	0.84%	92.08%	6.43%	0.65%	100.00%
AUG-2020	71	6688	458	51	7268	0.98%	92.02%	6.30%	0.70%	100.00%
SEP-2020	86	6653	457	52	7248	1.19%	91.79%	6.31%	0.72%	100.00%
OCT-2020	107	6660	462	51	7280	1.47%	91.48%	6.35%	0.70%	100.00%
NOV-2020	162	6695	457	49	7363	2.20%	90.93%	6.21%	0.67%	100.00%
DEC-2020	180	6677	461	50	7368	2.44%	90.62%	6.26%	0.68%	100.00%
JAN-2021	205	6698	452	47	7402	2.77%	90.49%	6.11%	0.63%	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%	3403 47%	2 8%	3227 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%	3353 47%	3 8%	3181 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%	3273 45%	0 0%	3112 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%	3244 45%	5 29%	3082 43%	0 0%	33 0%	0 0%	0 0%	4 24%	1587 22%	8 47%	2519 35%	12 71%	3925 55%
JUL-2020	6 19%	3205 45%	4 13%	3045 43%	2 6%	32 0%	0 0%	0 0%	14 44%	1697 24%	12 38%	2422 34%	26 81%	3946 55%
AUG-2020	3 15%	3154 45%	2 10%	2994 42%	0 0%	31 0%	0 0%	0 0%	11 55%	1763 25%	6 30%	2317 33%	17 85%	3921 55%
SEP-2020	3 14%	3127 44%	2 10%	2965 42%	0 0%	32 0%	0 0%	0 0%	13 62%	1873 26%	5 24%	2227 32%	18 86%	3935 56%
OCT-2020	2 10%	3127 44%	2 10%	2949 41%	0 0%	30 0%	0 0%	0 0%	12 57%	1975 28%	7 33%	2138 30%	19 90%	3968 56%
NOV-2020	7 27%	3170 44%	3 12%	2939 41%	1 4%	31 0%	0 0%	0 0%	11 42%	2074 29%	8 31%	2082 29%	19 73%	4006 56%
DEC-2020	3 10%	3159 44%	3 10%	2902 40%	0 0%	30 0%	0 0%	0 0%	14 48%	2153 30%	12 41%	2025 28%	26 90%	4023 56%
JAN-2021	2 10%	3161 44%	1 5%	2887 40%	0 0%	29 0%	0 0%	0 0%	13 62%	2227 31%	6 29%	1964 27%	19 90%	4055 56%

Definitions:

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

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

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

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





2.7 Number of Participants on Protease Inhibitor by INGREDIENT

	fosamprenavir		atazanavir		darunavir		lopinavir		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%	813 35%	4 67%	1388 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%	782 35%	8 100%	1362 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%	752 35%	4 80%	1331 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%	737 35%	2 67%	1303 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%	712 34%	6 100%	1285 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%	697 34%	3 100%	1273 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%	681 33%	11 92%	1288 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%	659 32%	5 100%	1298 64%	0 0%	71 3%	0 0%	1 0%	0 0%	6 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%	448 30%	0 0%	307 21%
JUL-2020	0 0%	3 0%	2 50%	507 35%	0 0%	184 13%	2 50%	439 31%	0 0%	305 21%
AUG-2020	1 100%	4 0%	0 0%	501 36%	0 0%	179 13%	0 0%	423 30%	0 0%	294 21%
SEP-2020	0 0%	5 0%	1 33%	476 35%	0 0%	174 13%	0 0%	410 30%	2 67%	294 22%
OCT-2020	0 0%	9 1%	1 100%	462 35%	0 0%	173 13%	0 0%	402 30%	0 0%	279 21%
NOV-2020	0 0%	10 1%	2 67%	452 35%	0 0%	172 13%	1 33%	393 30%	0 0%	279 21%
DEC-2020	0 0%	11 1%	2 67%	439 35%	0 0%	164 13%	0 0%	383 30%	1 33%	276 22%
JAN-2021	0 0%	11 1%	1 100%	427 34%	0 0%	164 13%	0 0%	379 30%	0 0%	271 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%	2688 62%	0 0%	707 16%	0 0%	32 1%	2 11%	594 14%
FEB-2020	14 52%	602 14%	11 41%	2644 60%	2 7%	654 15%	0 0%	29 1%	0 0%	576 13%
MAR-2020	19 68%	755 17%	7 25%	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%	2555 56%	2 11%	597 13%	0 0%	27 1%	0 0%	541 12%
JUN-2020	4 31%	1024 22%	9 69%	2538 55%	0 0%	582 13%	1 8%	28 1%	0 0%	538 12%
JUL-2020	9 38%	1142 24%	10 42%	2512 54%	5 21%	549 12%	0 0%	29 1%	0 0%	527 11%
AUG-2020	10 59%	1221 26%	6 35%	2462 52%	1 6%	517 11%	0 0%	29 1%	0 0%	521 11%
SEP-2020	13 87%	1340 28%	2 13%	2442 51%	0 0%	498 10%	0 0%	29 1%	0 0%	504 11%
OCT-2020	10 59%	1447 30%	5 29%	2430 50%	0 0%	493 10%	0 0%	30 1%	2 12%	495 10%
NOV-2020	8 36%	1549 31%	9 41%	2481 50%	2 9%	482 10%	0 0%	27 1%	3 14%	490 10%
DEC-2020	10 53%	1632 33%	7 37%	2471 49%	2 11%	460 9%	0 0%	27 1%	0 0%	478 10%
JAN-2021	13 81%	1703 34%	3 19%	2468 49%	0 0%	442 9%	0 0%	27 1%	0 0%	469 9%

Definitions:

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

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

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

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





2.10 Distribution of Participants in HIV/AIDS Drug Treatment Program by Regimen Class

MON-YYYY	Boosted PI + 2 NRTIs		NNRTI + 2 NRTIs		Integrase + 2 NRTIs		Un-boosted PI + 2 NRTIs		MDRT		Other	
	n	%	n	%	n	%	n	%	n	%	n	%
JAN-2020	1617	21.97	1210	16.44	3563	48.42	87	1.18	56	0.76	826	11.22
FEB-2020	1573	21.46	1154	15.74	3645	49.72	85	1.16	58	0.79	816	11.13
MAR-2020	1540	20.85	1134	15.35	3755	50.83	85	1.15	50	0.68	823	11.14
APR-2020	1522	20.55	1129	15.24	3807	51.39	85	1.15	50	0.67	815	11.00
MAY-2020	1512	20.44	1111	15.02	3831	51.78	83	1.12	50	0.68	811	10.96
JUN-2020	1460	19.80	1085	14.71	3883	52.66	83	1.13	51	0.69	812	11.01
JUL-2020	1424	19.39	1059	14.42	3939	53.64	79	1.08	48	0.65	795	10.83
AUG-2020	1380	18.99	1028	14.14	3948	54.32	78	1.07	51	0.70	783	10.77
SEP-2020	1342	18.52	982	13.55	4003	55.23	76	1.05	52	0.72	793	10.94
OCT-2020	1311	18.01	965	13.26	4067	55.87	76	1.04	51	0.70	810	11.13
NOV-2020	1291	17.53	947	12.86	4144	56.28	75	1.02	49	0.67	857	11.64
DEC-2020	1276	17.32	926	12.57	4165	56.53	71	0.96	50	0.68	880	11.94
JAN-2021	1275	17.23	912	12.32	4205	56.81	68	0.92	47	0.63	895	12.09

Definitions:

n is number of participants on the specified regimen class in the specified month

% is ratio of n and total number of participants on ART in the specified month





2.11 Baseline CD4 for Antiretroviral First Starts

MON-YYYY	# of First Starts	# of Pts with CD4 < 100	# of Pts with CD4: 100-199	# of Pts with CD4: 200-349	# of Pts with CD4: 350-500	# of Pts with CD4 > 500	Median CD4
JAN-2020	13	0	2	1	4	4	490
FEB-2020	19	5	1	5	3	5	320
MAR-2020	23	4	0	3	1	10	550
APR-2020	8	0	0	3	0	5	686
MAY-2020	15	1	0	3	4	7	400
JUN-2020	9	1	0	3	4	1	380
JUL-2020	12	3	0	0	2	4	500
AUG-2020	11	3	1	3	2	1	225
SEP-2020	9	3	2	1	0	0	71
OCT-2020	13	2	1	1	3	3	381
NOV-2020	12	0	1	0	2	6	710
DEC-2020	13	3	3	3	0	4	260
JAN-2021	11	1	4	0	2	2	170

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	12531	4027
FEB-2020	12562	4044
MAR-2020	12562	4034
APR-2020	12540	4010
MAY-2020	12529	3997
JUN-2020	12507	3975
JUL-2020	12484	3942
AUG-2020	12452	3918
SEP-2020	12414	3889
OCT-2020	12390	3875
NOV-2020	12404	3877
DEC-2020	12382	3839
JAN-2021	12392	3840

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

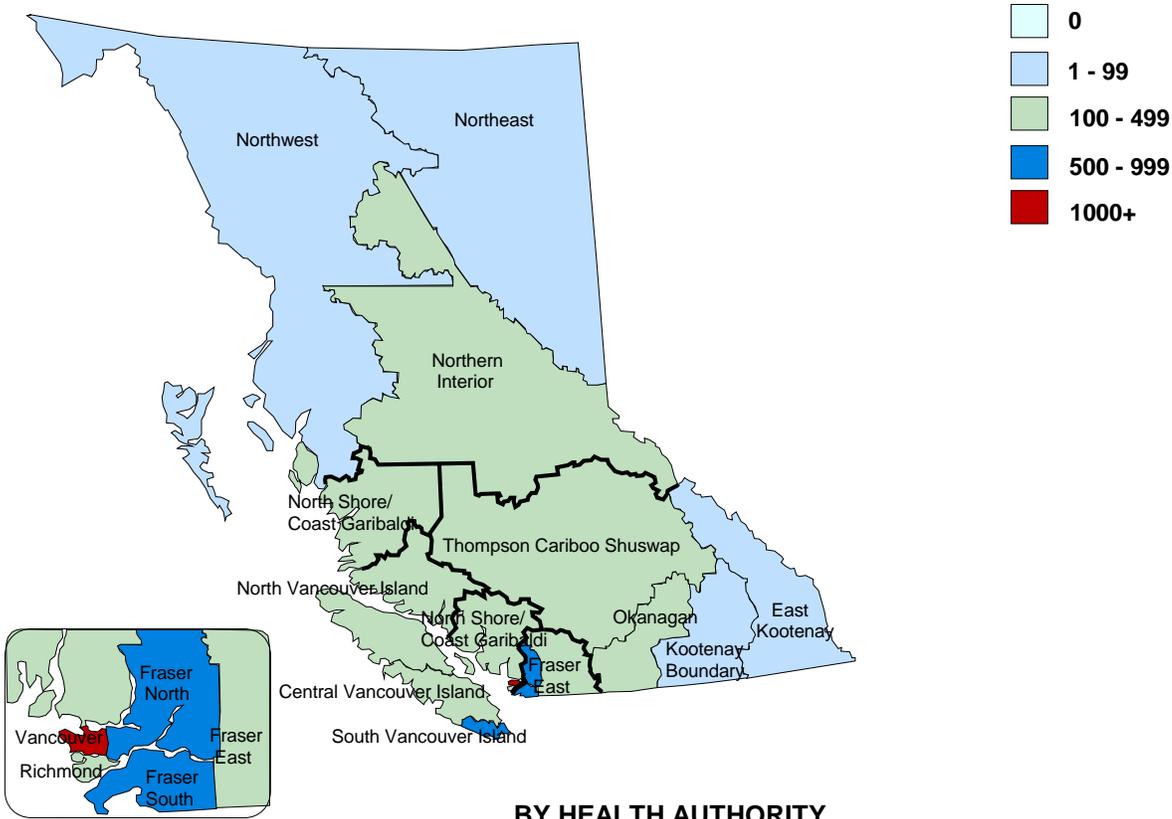




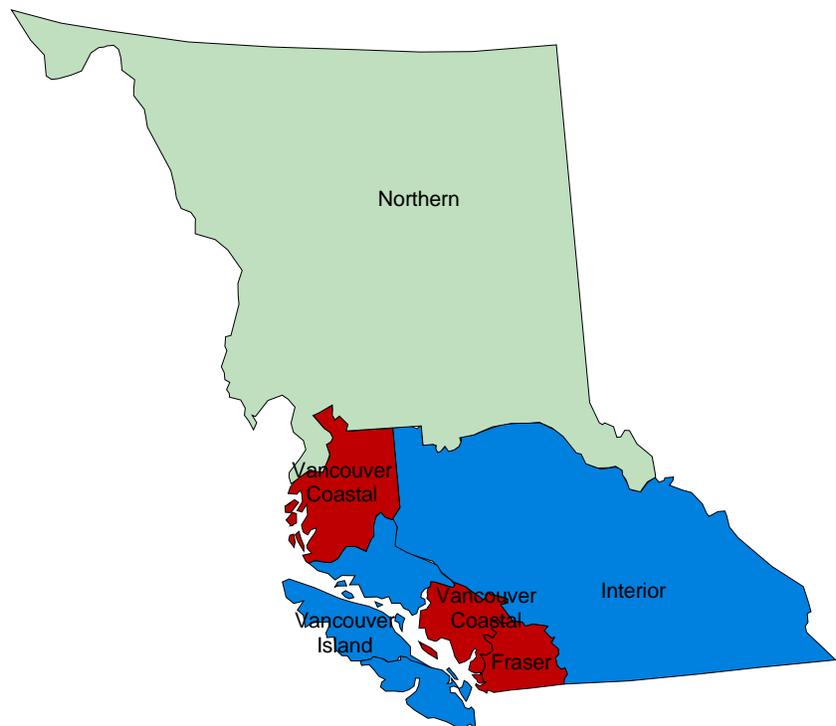
3.1 Distribution of HIV/AIDS Drug Treatment Program Active Participants
January 2021

N = 7402

BY HEALTH SERVICES DELIVERY AREA



BY HEALTH AUTHORITY

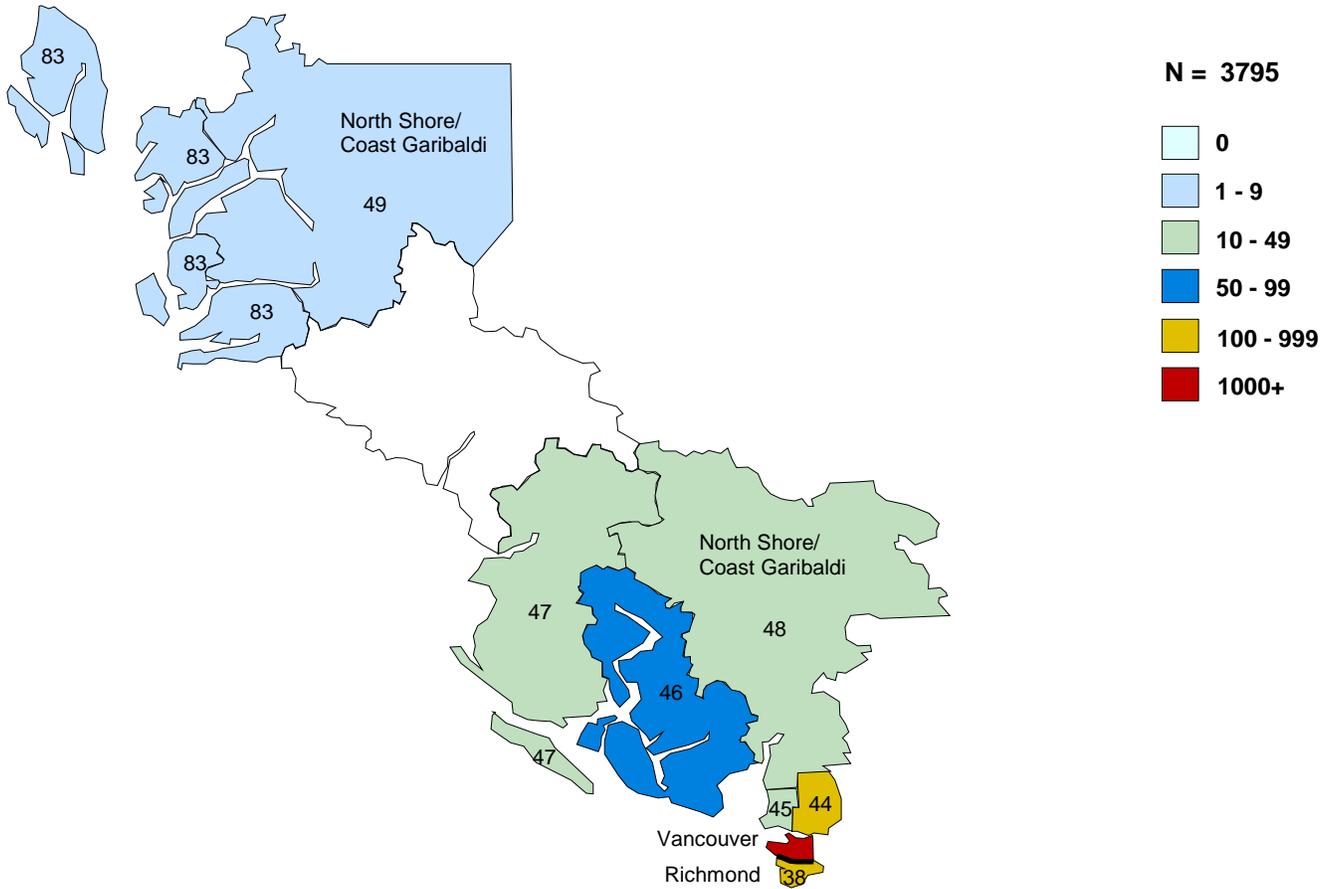




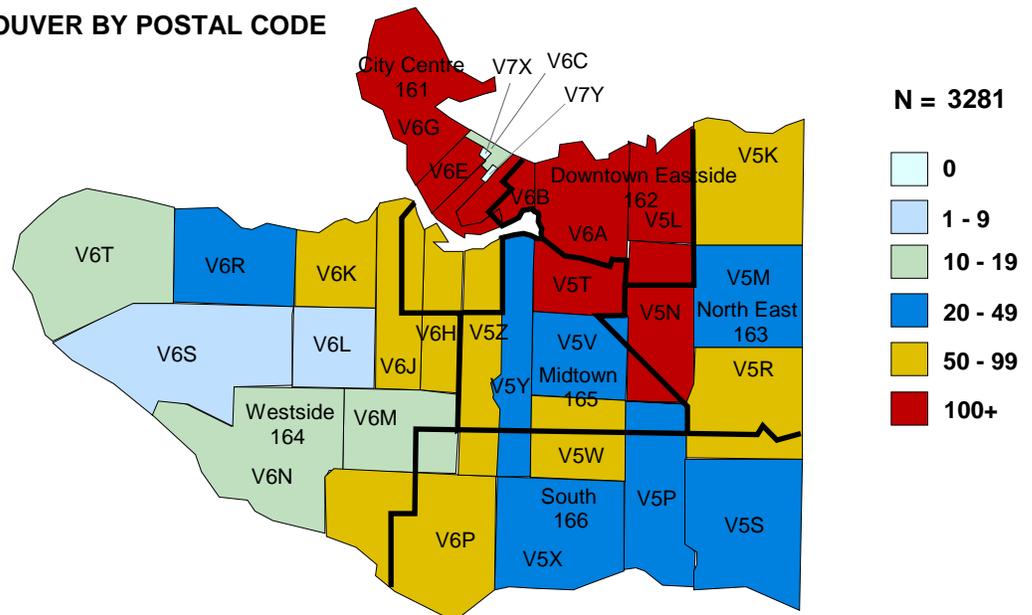
3.4 Distribution of HIV/AIDS Drug Treatment Program Active Participants

January 2021

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



VANCOUVER BY POSTAL CODE

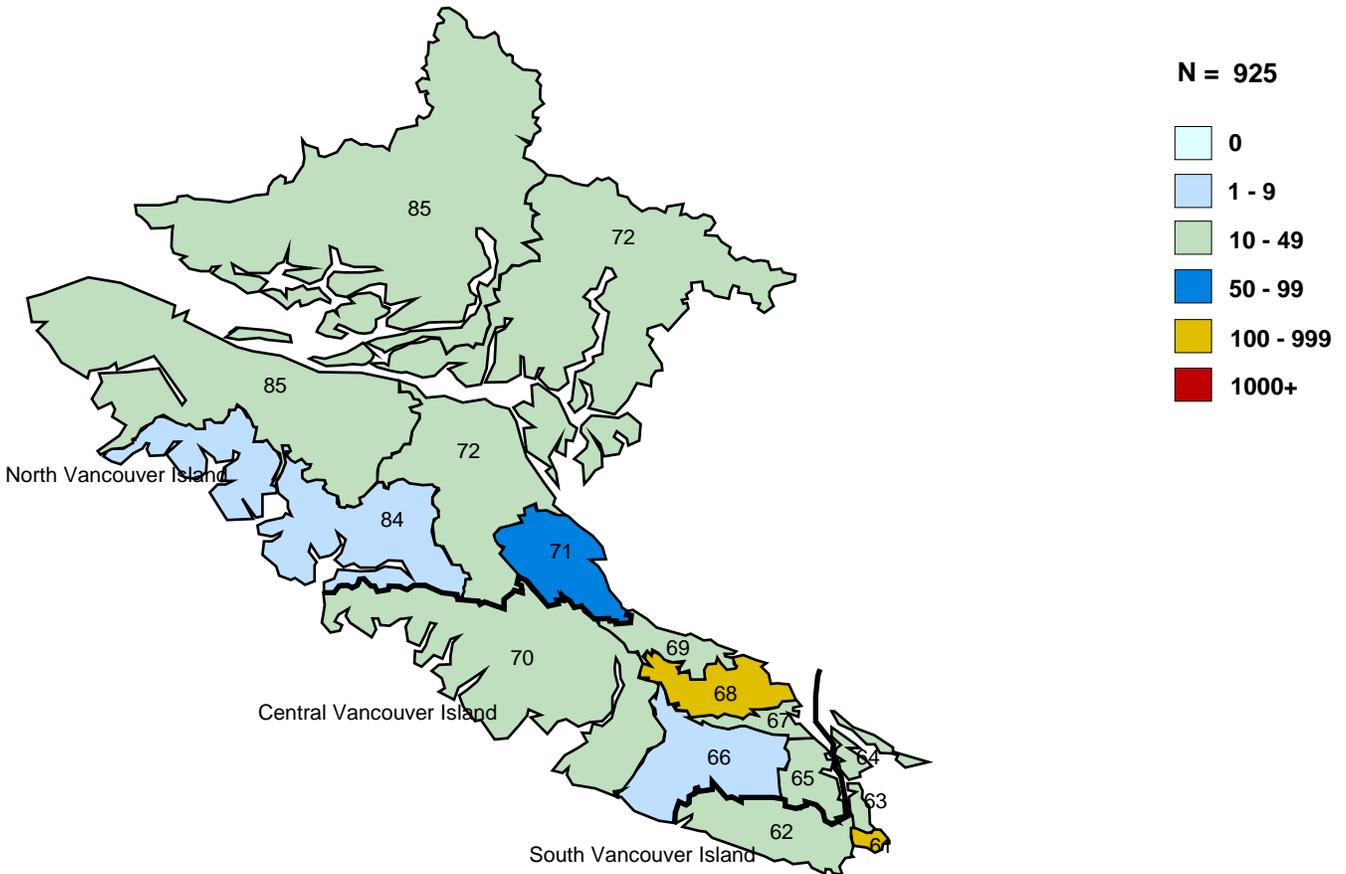




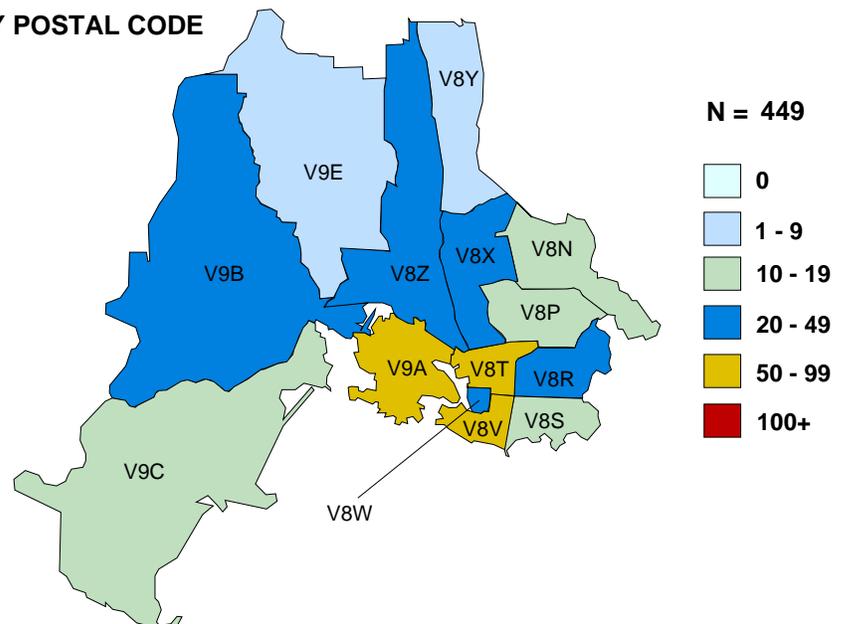
3.5 Distribution of HIV/AIDS Drug Treatment Program Active Participants

January 2021

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



VICTORIA BY POSTAL CODE

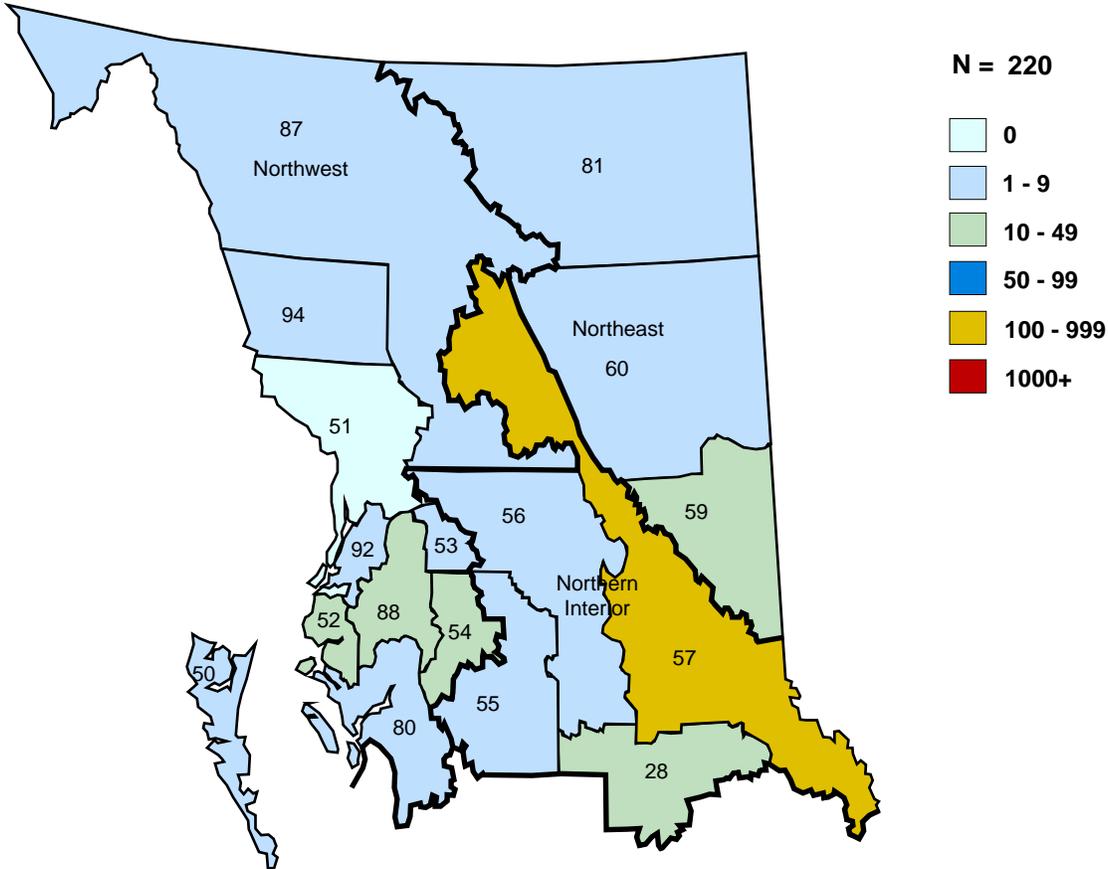




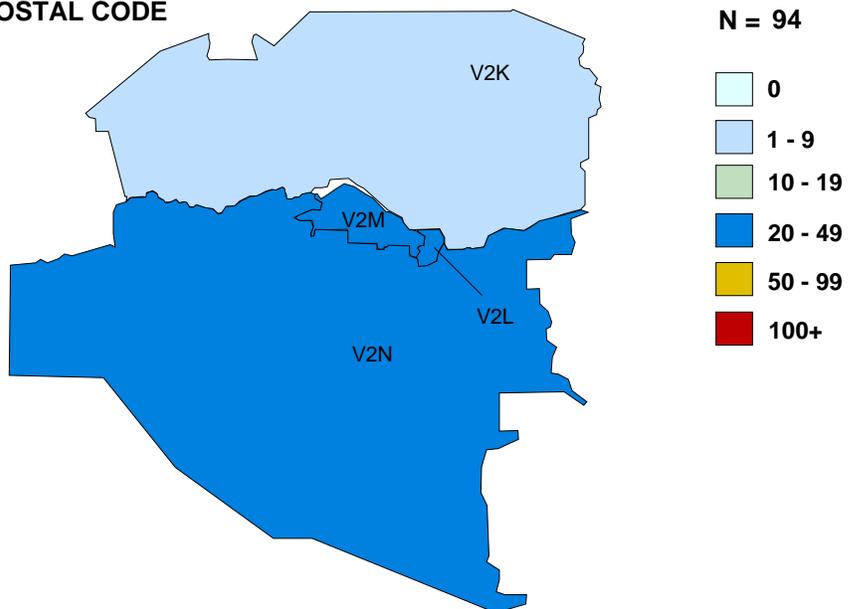
3.6 Distribution of HIV/AIDS Drug Treatment Program Active Participants

January 2021

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



PRINCE GEORGE BY POSTAL CODE





4.1 Distribution of Participants in BC-CfE Registries by Age and Gender INTERIOR Health Authority

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
EAST KOOTENAY	20-34	5	5	*
	35-49	10	11	*
	50+	27	39	*
	Total HSDA:	42	55	28
KOOTENAY BOUNDARY	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	74	99	56	
OKANAGAN	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HSDA:	390	524	294	
THOMPSON/CARIBOO/ SHUSWAP	20-34	18	18	10
	35-49	67	73	47
	50+	112	183	87
	Total HSDA:	197	274	144
Total HA:		703	952	522

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		703	952	522

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	564	763	423
Female	139	189	99

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	522	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	21	11
	5 years or more	10	7
	<5 years	11	10
	Total HSDA:	42	28
KOOTENAY BOUNDARY	10 years or more	49	36
	5 years or more	14	9
	<5 years	11	11
	Total HSDA:	74	56
OKANAGAN	10 years or more	241	171
	5 years or more	91	76
	<5 years	58	47
	Total HSDA:	390	294
THOMPSON/CARIBOO/ SHUSWAP	10 years or more	111	79
	5 years or more	45	39
	<5 years	41	26
	Total HSDA:	197	144
Total HA:		703	522

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	422	297
5 years or more	160	131
<5 years	121	94
Total HA:	703	522

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

Definitions:

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

Treatment Duration defined as number of years since ARV initiation





4.3 Distribution of ARV Prescribing Physicians in BC-CfE Registries INTERIOR Health Authority

HSDA of Physician Residency	# of Physicians ever prescribed ARVs	# of Patients ever treated by Physicians	# of Physicians currently prescribing ARVs	# of Patients currently treated by Physicians
EAST KOOTENAY	46	64	14	26
KOOTENAY BOUNDARY	76	125	27	45
OKANAGAN	228	959	60	297
THOMPSON/CARIBOO/SHUSWAP	140	528	38	128
Total:	490	1676	139	496

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
EAST KOOTENAY	*
KOOTENAY BOUNDARY	*
OKANAGAN	*
THOMPSON/CARIBOO/SHUSWAP	*
Total:	97

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

Definitions:

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

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





4.4 Distribution of Participants in BC-CfE Registries by Age and Gender FRASER Health Authority

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
FRASER EAST	0-19	6	6	6
	20-34	31	33	25
	35-49	98	108	72
	50+	245	327	193
	Total HSDA:	380	474	296
FRASER NORTH	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:	1057	1432	792
FRASER SOUTH	0-19	5	5	*
	20-34	111	113	*
	35-49	323	361	*
	50+	574	855	*
	Total HSDA:	1013	1334	820
Total HA:		2450	3240	1908

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	12	12	11
	20-34	263	267	182
	35-49	754	828	589
	50+	1421	2133	1126
Total HA:		2450	3240	1908

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	1851	2477	1461
Female	599	763	447

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	1908	52	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	229	180
	5 years or more	81	61
	<5 years	70	55
	Total HSDA:	380	296
FRASER NORTH	10 years or more	624	448
	5 years or more	247	195
	<5 years	186	149
	Total HSDA:	1057	792
FRASER SOUTH	10 years or more	600	480
	5 years or more	214	166
	<5 years	199	174
	Total HSDA:	1013	820
Total HA:		2450	1908

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	1453	1108
	5 years or more	542	422
	<5 years	455	378
Total HA:		2450	1908

* 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	140	507	29	56
FRASER NORTH	254	1590	46	219
FRASER SOUTH	222	1621	51	488
Total:	616	3718	126	763

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
FRASER EAST	197
FRASER NORTH	657
FRASER SOUTH	453
Total:	1307

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

Definitions:

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

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





**4.7 Distribution of Participants in BC-CfE Registries by Age and Gender
VANCOUVER COASTAL Health Authority**

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
NORTH SHORE/ COAST GARIBALDI	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		347	500
RICHMOND	20-34	34	35	24
	35-49	48	49	38
	50+	112	160	91
	Total HSDA:	194	244	153
VANCOUVER	0-19	12	12	10
	20-34	447	461	291
	35-49	1337	1497	955
	50+	2892	5002	2110
	Total HSDA:	4688	6972	3366
Total HA:		5229	7716	3795

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	13	13	11
	20-34	504	519	332
	35-49	1465	1636	1051
	50+	3247	5548	2401
Total HA:		5229	7716	3795

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Unknown	2	2	0
Male	4615	6770	3350
Female	612	944	445

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	3795	54	650	35

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

Definitions:

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

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





**4.8 Distribution of Participants in BC-CfE Registries by Treatment Duration
VANCOUVER COASTAL Health Authority**

HSDA	Treatment Duration	Alive	Currently treated with ARVs
NORTH SHORE/ COAST GARIBALDI	10 years or more	199	157
	5 years or more	86	69
	<5 years	62	50
	Total HSDA:	347	276
RICHMOND	10 years or more	112	85
	5 years or more	37	30
	<5 years	45	38
	Total HSDA:	194	153
VANCOUVER	10 years or more	2958	2047
	5 years or more	1032	763
	<5 years	698	556
	Total HSDA:	4688	3366
Total HA:		5229	3795

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	3269	2289
	5 years or more	1155	862
	<5 years	805	644
Total HA:		5229	3795

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

Definitions:

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

Treatment Duration defined as number of years since ARV initiation





**4.9 Distribution of ARV Prescribing Physicians in BC-CfE Registries
VANCOUVER COASTAL Health Authority**

HSDA of Physician Residency	# of Physicians ever prescribed ARVs	# of Patients ever treated by Physicians	# of Physicians currently prescribing ARVs	# of Patients currently treated by Physicians
NORTH SHORE/COAST GARIBALDI	180	405	56	84
RICHMOND	43	292	9	94
VANCOUVER	634	11058	209	5312
Total:	857	11755	274	5490

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

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

Definitions:

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

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





**4.10 Distribution of Participants in BC-CfE Registries by Age and Gender
VANCOUVER ISLAND Health Authority**

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
CENTRAL VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		331	476
NORTH VANCOUVER ISLAND	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:		126	170
SOUTH VANCOUVER ISLAND	20-34	75	79	52
	35-49	185	214	140
	50+	485	775	366
	Total HSDA:	745	1068	558
Total HA:		1202	1714	925

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	*	*	*
	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
Total HA:		1202	1714	925

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	991	1412	765
Female	211	302	160

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	925	55	580	35

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

Definitions:

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

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





4.11 Distribution of Participants in BC-CfE Registries by Treatment Duration VANCOUVER ISLAND Health Authority

HSDA	Treatment Duration	Alive	Currently treated with ARVs
CENTRAL VANCOUVER ISLAND	10 years or more	196	159
	5 years or more	68	52
	<5 years	67	51
	Total HSDA:	331	262
NORTH VANCOUVER ISLAND	10 years or more	77	64
	5 years or more	34	26
	<5 years	15	15
	Total HSDA:	126	105
SOUTH VANCOUVER ISLAND	10 years or more	441	307
	5 years or more	151	128
	<5 years	153	123
	Total HSDA:	745	558
Total HA:		1202	925

	Treatment Duration	Alive	Currently treated with ARVs
	10 years or more	714	530
	5 years or more	253	206
	<5 years	235	189
Total HA:		1202	925

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

Definitions:

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

Treatment Duration defined as number of years since ARV initiation





**4.12 Distribution of ARV Prescribing Physicians in BC-CfE Registries
VANCOUVER ISLAND Health Authority**

HSDA of Physician Residency	# of Physicians ever prescribed ARVs	# of Patients ever treated by Physicians	# of Physicians currently prescribing ARVs	# of Patients currently treated by Physicians
CENTRAL VANCOUVER ISLAND	202	891	78	200
NORTH VANCOUVER ISLAND	151	270	48	74
SOUTH VANCOUVER ISLAND	213	1834	40	543
Total:	566	2995	166	817

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
CENTRAL VANCOUVER ISLAND	51
NORTH VANCOUVER ISLAND	42
SOUTH VANCOUVER ISLAND	107
Total:	200

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

Definitions:

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

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





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

HSDA	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
NORTH EAST	20-34	*	*	*
	35-49	*	*	*
	50+	*	*	*
	Total HSDA:	41	51	21
NORTH WEST	20-34	7	8	*
	35-49	23	38	*
	50+	40	67	*
	Total HSDA:	70	113	57
NORTHERN INTERIOR	0-19	6	6	*
	20-34	23	24	*
	35-49	64	82	*
	50+	102	169	*
	Total HSDA:	195	281	142
Total HA:		306	445	220

	Age Group	Alive	Ever treated with ARVs	Currently treated with ARVs
	0-19	6	6	*
	20-34	34	36	*
	35-49	104	140	*
	50+	162	263	*
Total HA:		306	445	220

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	190	278	138
Female	116	167	82

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total HA:	220	51	540	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	24	*
	5 years or more	11	*
	<5 years	6	*
	Total HSDA:	41	21
NORTH WEST	10 years or more	39	31
	5 years or more	18	14
	<5 years	13	12
	Total HSDA:	70	57
NORTHERN INTERIOR	10 years or more	88	67
	5 years or more	63	45
	<5 years	44	30
	Total HSDA:	195	142
Total HA:		306	220

Treatment Duration	Alive	Currently treated with ARVs
10 years or more	151	108
5 years or more	92	67
<5 years	63	45
Total HA:	306	220

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

Definitions:

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

Treatment Duration defined as number of years since ARV initiation





**4.15 Distribution of ARV Prescribing Physicians in BC-CfE Registries
NORTHERN Health Authority**

HSDA of Physician Residency	# of Physicians ever prescribed ARVs	# of Patients ever treated by Physicians	# of Physicians currently prescribing ARVs	# of Patients currently treated by Physicians
NORTH EAST	40	62	3	*
NORTH WEST	82	167	18	*
NORTHERN INTERIOR	118	466	20	*
Total:	240	695	41	226

HSDA of Patient Residency	# of Patients seeking Physician's care out of HA
NORTH EAST	8
NORTH WEST	19
NORTHERN INTERIOR	11
Total:	38

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

Definitions:

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

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





4.16 Distribution of Aboriginal Participants in BC-CfE Registries by Health Service Delivery Area and Gender

HA	HSDA	Alive	Ever treated with ARVs	Currently treated with ARVs
INTERIOR	EAST KOOTENAY	6	10	5
	KOOTENAY BOUNDARY	6	9	6
	OKANAGAN	26	42	16
	THOMPSON/CARIBOO/SHUSWAP	25	48	17
	Total HA:	63	109	44
FRASER	FRASER EAST	37	48	29
	FRASER NORTH	51	88	41
	FRASER SOUTH	81	114	58
	Total HA:	169	250	128
VANCOUVER COASTAL	NORTH SHORE/COAST GARIBALDI	25	48	21
	RICHMOND	9	14	6
	VANCOUVER	481	880	376
	Total HA:	515	942	403
VANCOUVER ISLAND	CENTRAL VANCOUVER ISLAND	51	83	44
	NORTH VANCOUVER ISLAND	18	27	15
	SOUTH VANCOUVER ISLAND	40	84	35
	Total HA:	109	194	94
NORTHERN	NORTH EAST	10	14	6
	NORTH WEST	27	59	22
	NORTHERN INTERIOR	75	115	60
	Total HA:	112	188	88
Total:		968	1683	757

Gender	Alive	Ever treated with ARVs	Currently treated with ARVs
Male	610	1080	476
Female	358	603	281

Currently treated with ARVs	# of patients	Med Age	Med CD4	Med PVL
Total:	757	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.





Monthly Report

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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





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

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

MDRT: see MULTIPLE DRUG RESCUE THERAPY

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

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

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

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

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

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

NNRTI: see NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR.

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

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

NRTI: see NUCLEOSIDE ANALOG.

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

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

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

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

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

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

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





Monthly Report

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

PI: see PROTEASE INHIBITOR.

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

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

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

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

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

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

Rilpivirine (Edurant, RPV): a NON-NUCELOSIDE REVERSE TRANSCRIPTASE INHIBITOR (NNRTI) from Janssen.

Ritonavir (Norvir, RTV): a PROTEASE INHIBITOR from Abbott. Ritonavir is commonly used to inhibit the liver enzyme metabolism of other protease inhibitors and improve their blood exposure (“booster”).

Saquinavir (Invirase, SQV): a PROTEASE INHIBITOR from Hoffman-La Roche.

Stavudine (Zerit, d4T): a NUCLEOSIDE ANALOG from Bristol-Myers Squibb.

Stopped all therapies (Tx): a person in the HIV/AIDS Drug Treatment program that stopped all therapies in this time period and is now CURRENTLY OFF THERAPY.

Stribild (STR): the Gilead trade name for a tablet containing ELVITEGRAVIR, COBICISTAT, EMTRICITABINE and TENOFOVIR DF.

Tenofovir alafenamide (Tenofovir AF, TAF): a NUCLEOTIDE ANALOG from Gilead Sciences with activity against HIV. It is currently available as a component of DESCOVY and GENVOYA.

Tenofovir disoproxil fumarate (Viread, Tenofovir DF, TDF): a NUCLEOTIDE ANALOG from Gilead Sciences with activity against HIV and hepatitis B.

Tipranavir (Aptivus, TPV): a PROTEASE INHIBITOR from Boehringer Ingelheim that has activity against HIV in treatment-experienced patients.

Triple Therapy: the use of three drugs, most often a PROTEASE INHIBITOR or NON-NUCLEOSIDE ANALOG with two NUCLEOSIDE ANALOGS, in the treatment of HIV.

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

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

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





Monthly Report

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.

