



Salud

ESTIMACIONES SPECTRUM COLOMBIA 2024

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Definición:

Programa informático que está diseñado para producir estimaciones y proyecciones sobre países y regiones subnacionales, ya tengan una epidemia generalizada o concentrada. Se realizan análisis rigurosos y triangulación de fuentes de la mano de expertos de ONUSIDA a nivel Internacional.



EPP1 2024_R3 - Colombia+UA_27April2024 (1)

Define Epi Define Pops

Please divide your national population aged 15-49 among the groups you have defined. You may do this by providing the percentage of adult population in each group or the total number in each group on the tab labeled "1. Populations". All populations entered here should be based on population projections without an HIV epidemic. On the tab labeled "2. % Male & Turnover" please also specify the percentage of males in each group and whether you want turnover (i.e. people enter and leave the group after some period of time). If you allow for turnover, please specify the average duration in the group, the reassignment method, and the group to which they return. Normally the "Replace prevalence" method is used for female sex worker populations and "Add prevalence" is used for most male groups.

1. Populations	2. % Male & Turnover	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
IDU		0.110	0.113	0.115	0.118	0.120	0.122	0.125	0.128	0.130	0.133
MSM		2.719	2.735	2.751	2.768	2.784	2.800	2.817	2.833	2.849	2.866
Sex workers		1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600
Male remaining pop		46.449	46.445	46.441	46.436	46.432	46.428	46.423	46.419	46.415	46.410
Female remaining pop		49.122	49.108	49.093	49.078	49.064	49.050	49.035	49.020	49.006	48.992
TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Population still to assign		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Pop 15-49		100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000

Display: Populations Percent

Calculate Proportional Values Adjust for changed pop

IDU Mortality: HIV- 1.60 HIV+ 2.50

Save and continue Help Source Cancel

EPP2 2024_R3 - Colombia+UA_27April2024 (1)

HIV Data Surveys ART Distribution External HIV

MSM

In	SS(%)	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
BARRANQUILLA	SS(%)	-	-	-	-	-	13.60	-	-	-	-	11.30
(N)	(N)	-	-	-	-	-	350	-	-	-	-	374
CARTAGENA	SS(%)	-	-	-	-	-	10.00	-	-	-	-	7.20
(N)	(N)	-	-	-	-	-	350	-	-	-	-	286
MEDELLIN	SS(%)	-	-	-	-	-	9.10	-	-	-	-	20.70
(N)	(N)	-	-	-	-	-	349	-	-	-	-	267
PEREIRA	SS(%)	-	-	-	-	-	5.60	-	-	-	-	14.80
(N)	(N)	-	-	-	-	-	345	-	-	-	-	169
BOGOTA	SS(%)	-	10.80	-	-	-	15.00	-	-	-	-	17.20
(N)	(N)	-	630	-	-	-	485	-	-	-	-	415
CALI	SS(%)	-	-	-	-	-	24.10	-	-	-	-	19.60
(N)	(N)	-	-	-	-	-	333	-	-	-	-	444
CUCUTA	SS(%)	-	-	-	-	-	10.90	-	-	-	-	10.00
(N)	(N)	-	-	-	-	-	350	-	-	-	-	307
Bucaramanga	SS(%)	-	-	-	-	11.00	-	-	-	-	-	-
(N)	(N)	-	-	-	-	336	-	-	-	-	-	-
Villavicencio	SS(%)	25.00	-	-	-	-	-	-	-	-	-	-
(N)	(N)	52	-	-	-	-	-	-	-	-	-	-

National Epidemic Stru... Colombia+UA_27A

Save and continue Help Source Cancel

Display % HIV N Both

HIV Data Type: HSS ANC

active sites: 9 # inactive sites: 0

Ejemplos de datos incluidos en el modelo, Atención prenatal

	A	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BN
1		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
3	# births	732.390	724.532	714.790	704.345	693.053	681.037	668.521	655.805	643.930	632.379	624.986	620.211	611.243	610.618	Estimaciones
4	Nacimientos, Registro nacional incluyendo sector privado (M)	699.775	654.627	665.499	676.835	658.835	669.137	660.999	647.521	656.704	649.115	642.660	629.402	616.914	573.625	DANE
5	# first ANC visits	651.557	609.004	622.105	634.141	636.487	649.343	642.561	629.477	636.526	620.596	608.835	586.248	581.361	547.223	DANE
6	# receiving at least one HIV test	423.393	366.237	176.605	359.910	257.603	337.546	342.261	389.224	394.012	590.762	582.341	551.812	528.659	489.018	CAC
7	# testing positive at their first HIV test	488	569	633	641	625	670	546	547	570	516	448	409	377	343	Estrategia PTMI
8	# re-tested										201.424	267.010	256.986			CAC
9	# positive at re-test															
10	# known to be HIV+ at first ANC visit (including on ART)	114	175	212	256	313	315	308	332	330	346	353	391	391	376	Estrategia PTMI
11	# started ART before current pregnancy	-	11	16	29	54	95	119	161	191	234	288	322	344	322	Estrategia PTMI
12	# started PMTCT during current pregnancy >4 weeks before	457	574	671	662	670	648	550	542	533	437	379	322	365	331	Estrategia PTMI
13	# started PMTCT during current pregnancy <4 weeks before	45	36	40	51	58	121	68	71	51	65	85	98	34	46	Estrategia PTMI
14	% HIV+ (census-level ANC-RT)															
15	% HIV+ (calculated)	0,14214641	0,20305012	0,47789523	0,24905183	0,3636843	0,29154	0,249293	0,225641	0,228228	0,145828	0,137465	0,144874	0,145166	0,146916	Cálculos matemáticos
16	ANC women tested and/or Known positive	423507	366412	176817	360166	257916	337861	342569	389556	394342	591108	582694	552203	529050	489394	Cálculos matemáticos
17	SUM New + Known positives	602	744	845	897	938	985	854	879	900	862	801	800	768	719	Cálculos matemáticos
18	SUM PMTCT all 3 options	502	621	727	742	782	864	737	774	775	736	752	742	743	699	Cálculos matemáticos
19	ANC (first-visit) coverage / National Registry births						97%	97%	97%	97%	96%	91%	88%	86%	85%	Cálculos matemáticos
20	ANC (first-visit) coverage / WPP 2022 births						88%	88%	86%	88%	86%	80%	76%	73%	68%	Cálculos matemáticos
21	ANC (first-visit) coverage / Spectrum scaled to DANE births						95%	96%	96%	99%	98%	97%	95%	95%	90%	Cálculos matemáticos
22																

Ejemplos de datos incluidos en el modelo – TAR distribuido por edad y sexo

	A	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Adults receiving ART*	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
2	Number														
34	ART by age, in 5-year age groups, Men														
35	0-4			63	56	60	60	64	53	32	41	45	41	51	50
36	5-9			165	185	176	169	161	154	104	116	112	104	85	83
37	10-14			143	182	216	223	246	239	189	225	222	195	171	148
38	15-19			149	190	240	310	476	624	471	871	1103	905	903	1010
39	20-24			949	1185	1654	2107	3050	3999	3513	5574	7378	7715	7576	7758
40	25-29			2326	2849	3767	4646	6224	7790	8285	10679	14306	16073	16064	16775
41	30-34			3468	4193	4889	5477	7032	8212	8859	10700	14275	16396	16974	18620
42	35-39			3787	4457	5322	6020	7118	7883	8020	9311	11703	13368	13268	14879
43	40-44			4209	4915	5448	5773	6569	7048	7193	8030	10123	11129	10757	11956
44	45-49			3758	4479	5255	5770	6525	7050	6858	7458	8734	9211	8660	9542
45	50-54			2482	3116	3803	4445	5335	5885	6291	6825	8282	8763	8374	9008
46	55-59			1367	1745	2149	2551	3226	3731	4412	4680	6128	6902	6777	7679
47	60-64			810	1023	1272	1492	1794	2084	2519	2645	3520	4094	4245	5071
48	65-69			376	533	672	806	1038	1173	1401	1495	1959	2225	2252	2725
49	70-74			165	224	288	333	427	528	727	762	1032	1229	1213	1452
50	75-79			64	83	108	144	199	237	288	274	386	448	509	629
51	80+			24	33	46	56	80	103	145	149	211	262	262	307
52	Sum 15+ years Men			23934	29025	34913	39930	49093	56347	58982	69453	89140	98720	97834	107411
53															
54	ART by age, in 5-year age groups, Women														
55	0-4			68	76	78	82	70	67	34	56	55	54	56	55
56	5-9			170	163	164	167	162	153	123	138	131	105	95	100
57	10-14			113	164	185	226	234	233	169	202	207	202	169	167
58	15-19			142	180	243	326	402	432	345	492	557	524	463	460
59	20-24			551	655	792	900	1048	1168	955	1274	1583	1620	1435	1494
60	25-29			1133	1346	1652	1821	1990	2142	1750	2197	2624	2746	2497	2594
61	30-34			1492	1926	2262	2490	2761	2966	2669	3057	3648	3713	3345	3490
62	35-39			1380	1668	2012	2440	2915	3197	3112	3556	4132	4314	3968	4142
63	40-44			1218	1473	1756	2013	2303	2627	2710	3056	3796	4206	4040	4439
64	45-49			881	1132	1385	1634	1910	2128	2273	2531	3049	3342	3318	3639
65	50-54			625	808	1037	1207	1476	1674	1833	2018	2524	2736	2736	3109
66	55-59			404	521	647	782	981	1129	1359	1475	1860	2116	2103	2414
67	60-64			219	307	394	496	595	709	825	923	1170	1343	1422	1643
68	65-69			100	125	170	209	303	363	468	494	681	770	821	971
69	70-74			41	67	82	110	128	146	194	211	288	364	411	515
70	75-79			12	16	19	25	37	48	74	82	129	147	145	180
71	80+			3	5	6	9	10	18	28	42	38	48	57	81
72	Sum 15+ years Women			8201	10229	12457	14462	16859	18747	18595	21408	26079	27989	26761	29171
73	SUM Boys & girls 0-14y			722	826	879	927	937	899	651	778	772	701	627	603

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ART

KnowStatus,VLS

Tests

Case+Death

PMTCT

ANCTest

Recs

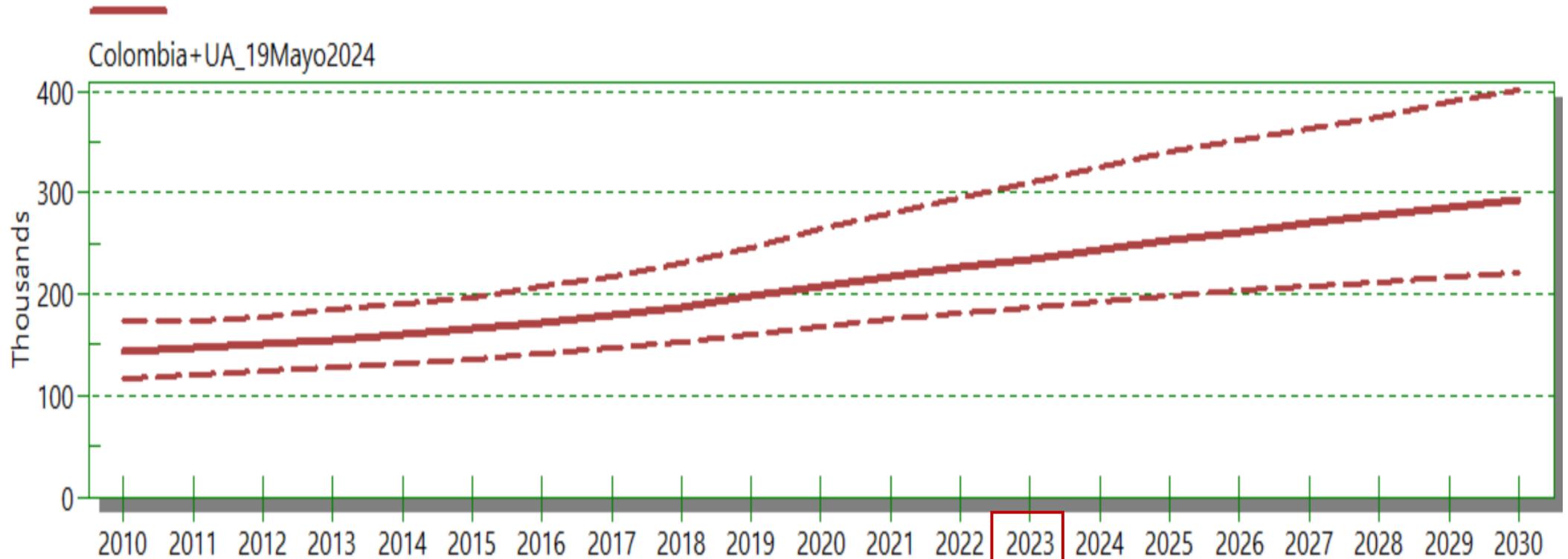
IRRbySex Fertl

KPsize

EppPrev

Estimado de personas VIVIENDO CON VIH, toda la población 2010 - 2030

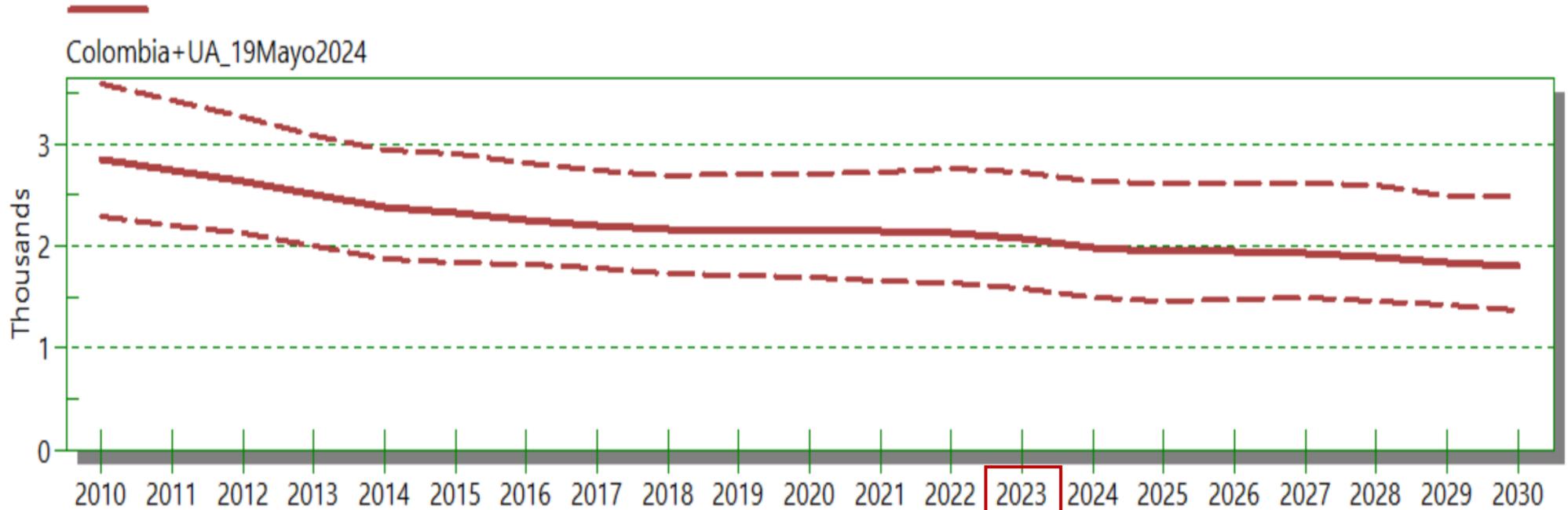
HIV population



Colombia+UA_19Mayo2024	142.54	146.26	150.30	155.02	159.95	165.57	172.09	178.98	187.24	197.60	207.73	217.32	225.94	234.49	243.29	252.31	260.99	269.59	277.98	286.09	293.69
Lower bound	116.76	120.19	123.35	127.74	132.26	136.57	141.82	147.69	153.57	160.48	167.65	175.50	180.92	187.02	192.06	197.42	203.07	207.59	212.18	216.84	221.00
Upper bound	172.89	174.31	177.79	184.09	190.03	197.12	207.02	218.00	230.30	245.78	263.93	280.68	295.73	309.97	325.27	339.68	351.18	362.63	375.32	389.61	401.72

Estimado de personas VIVIENDO CON VIH, Personas de 0-14 años 2010 - 2030

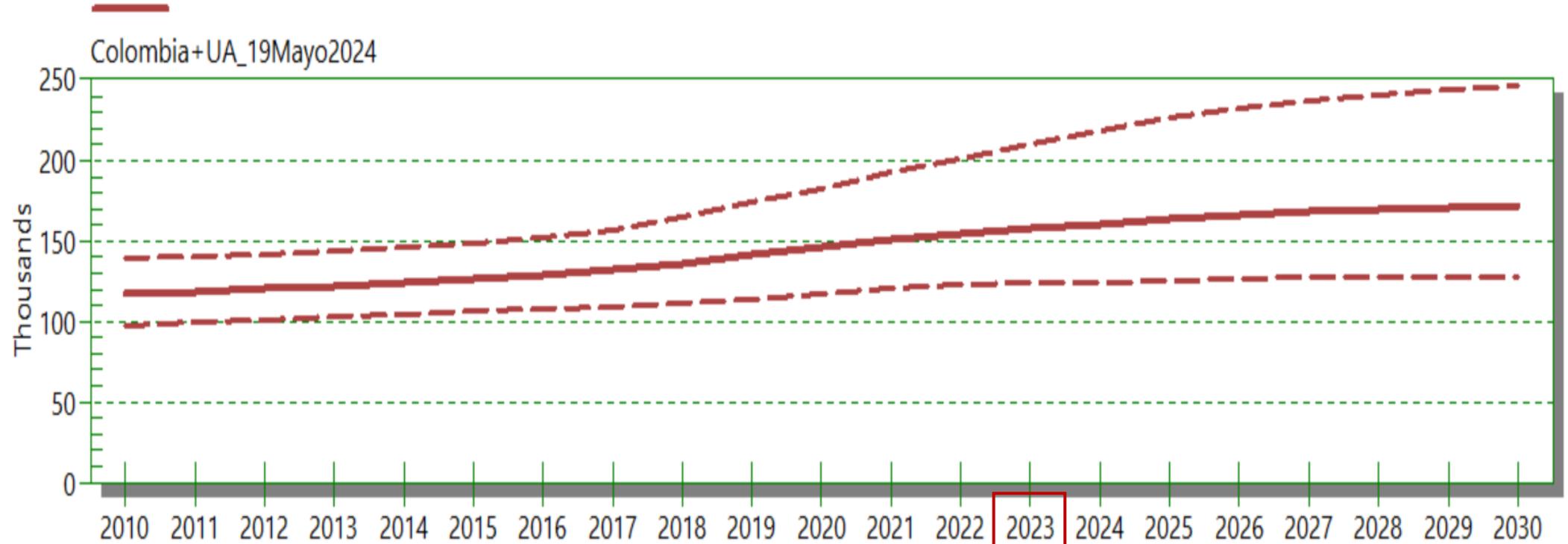
HIV population (0-14)



Colombia+UA_19Mayo2024	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Colombia+UA_19Mayo2024	2.86	2.75	2.63	2.51	2.38	2.32	2.26	2.20	2.16	2.14	2.15	2.14	2.13	2.08	1.99	1.94	1.94	1.93	1.90	1.84	1.80
Lower bound	2.29	2.20	2.12	2.00	1.88	1.84	1.83	1.78	1.73	1.71	1.70	1.65	1.63	1.59	1.50	1.46	1.47	1.49	1.46	1.42	1.38
Upper bound	3.58	3.43	3.26	3.08	2.94	2.90	2.82	2.74	2.69	2.71	2.71	2.72	2.76	2.73	2.64	2.61	2.62	2.62	2.59	2.50	2.48

Estimado de personas VIVIENDO CON VIH, Personas de 15-49 años 2010 - 2030

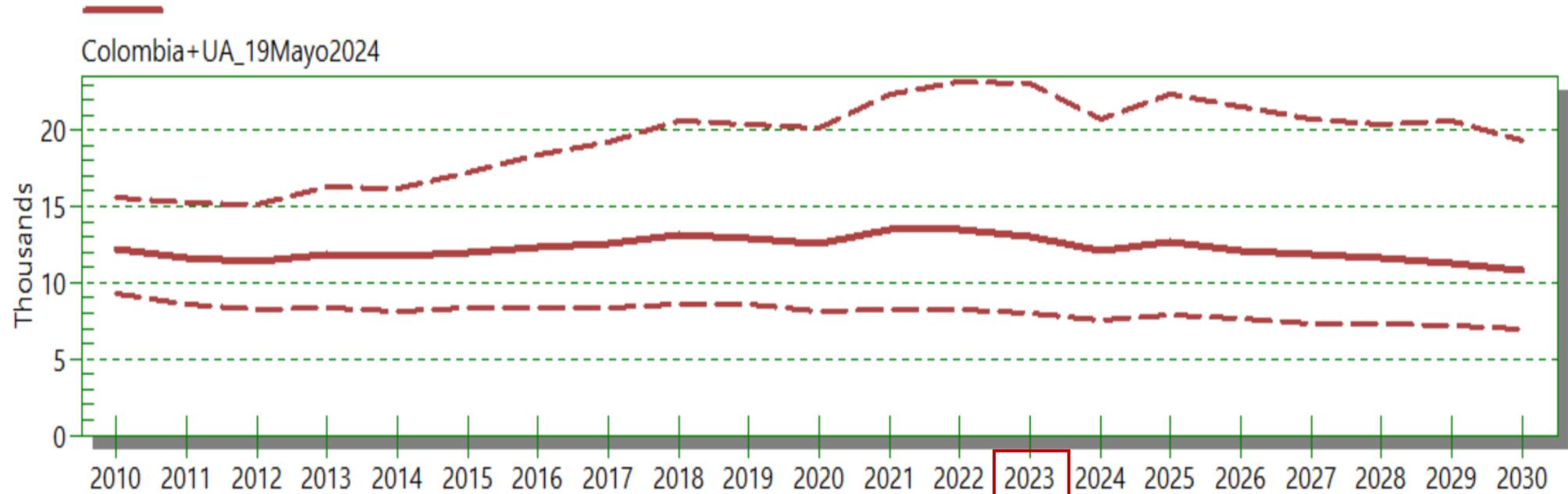
HIV population (15-49)



Colombia+UA_19Mayo2024	116.95	118.58	120.21	122.23	124.20	126.48	129.30	132.34	136.43	141.92	146.79	151.14	154.62	157.83	160.91	164.01	166.47	168.56	170.16	171.22	171.54
Lower bound	97.81	99.93	100.79	102.95	104.80	106.33	107.53	108.77	110.96	114.14	116.96	121.10	123.41	124.12	124.47	125.83	126.84	127.58	128.03	127.80	127.32
Upper bound	139.10	140.39	142.06	144.08	146.45	148.35	152.34	157.45	165.01	174.73	182.20	192.57	201.34	210.68	218.58	226.39	232.34	237.20	241.34	244.80	247.04

Estimado de NUEVAS INFECCIONES por VIH, total de la población 2010 - 2030

Number of new HIV infections

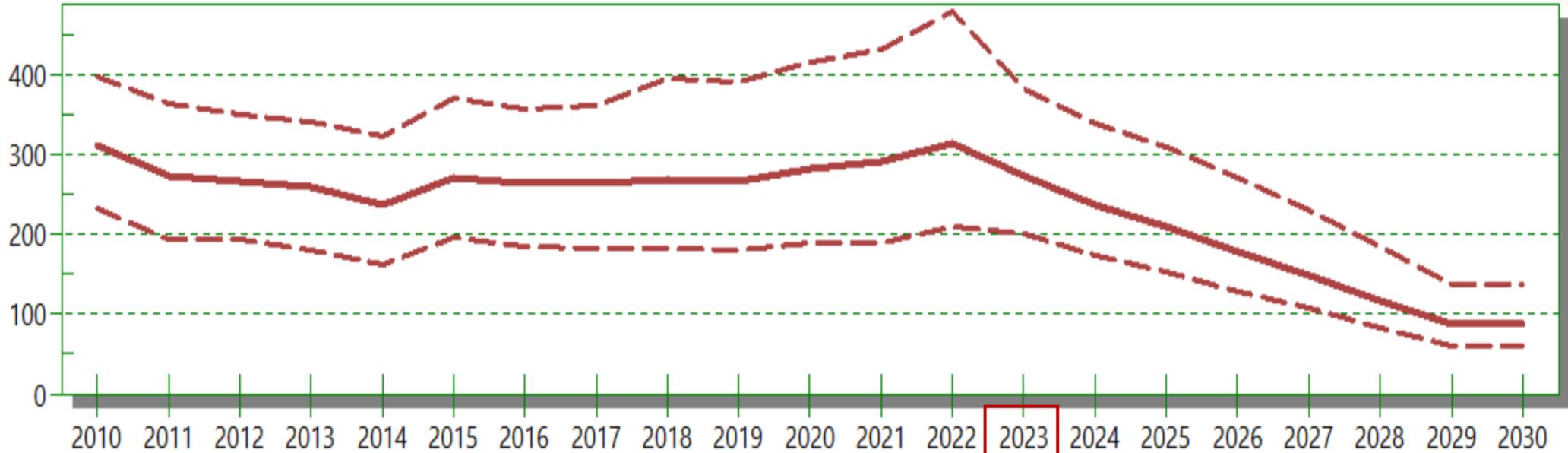


Colombia+UA_19Mayo2024	12.17	11.62	11.36	11.79	11.71	11.95	12.28	12.57	13.18	12.96	12.61	13.49	13.45	12.97	12.13	12.68	12.12	11.89	11.61	11.31	10.83
Lower bound	9.27	8.63	8.24	8.39	8.16	8.30	8.37	8.29	8.61	8.63	8.06	8.27	8.18	7.97	7.54	7.83	7.60	7.35	7.34	7.21	6.90
Upper bound	15.63	15.28	15.16	16.28	16.22	17.20	18.42	19.22	20.55	20.37	20.16	22.39	23.12	23.09	20.77	22.33	21.59	20.74	20.43	20.59	19.32

Estimado de NUEVAS INFECCIONES por VIH, niños, niñas y adolescentes de 0-14 años, Colombia 2010 - 2030

New HIV infections (0-14)

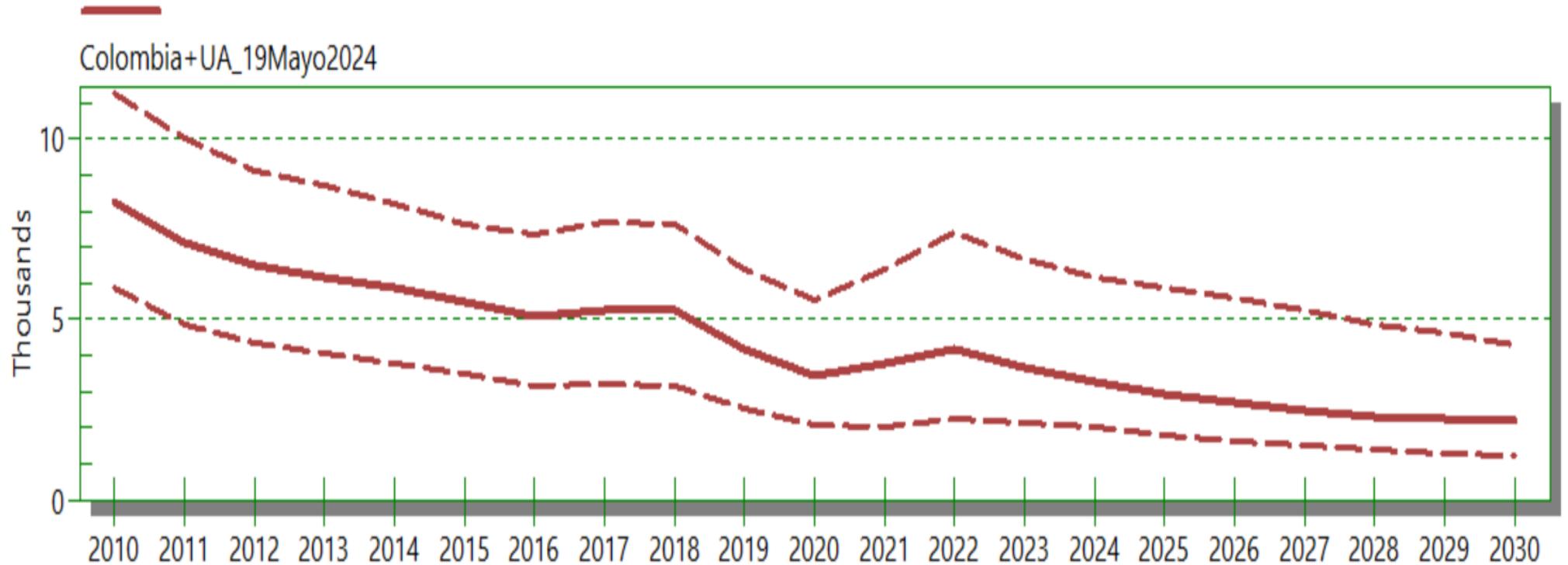
Colombia+UA_19Mayo2024



Colombia+UA_19Mayo2024	310.83	272.11	266.39	258.47	235.78	270.98	264.79	264.01	267.73	266.88	281.95	290.98	314.60	272.09	236.01	209.18	178.14	147.67	117.12	86.74	87.44
Lower bound	232.05	192.63	193.70	180.72	161.66	196.93	184.95	182.11	182.18	180.55	188.20	189.55	208.89	200.13	172.28	152.20	127.18	107.24	83.17	60.97	59.56
Upper bound	397.06	362.85	350.51	340.89	321.55	369.27	357.52	360.07	394.52	389.80	415.61	430.44	479.49	381.80	338.52	309.32	269.85	228.76	184.06	137.31	137.27

Estimado de MUERTES POR VIH/Sida – Toda la población 2010 - 2023

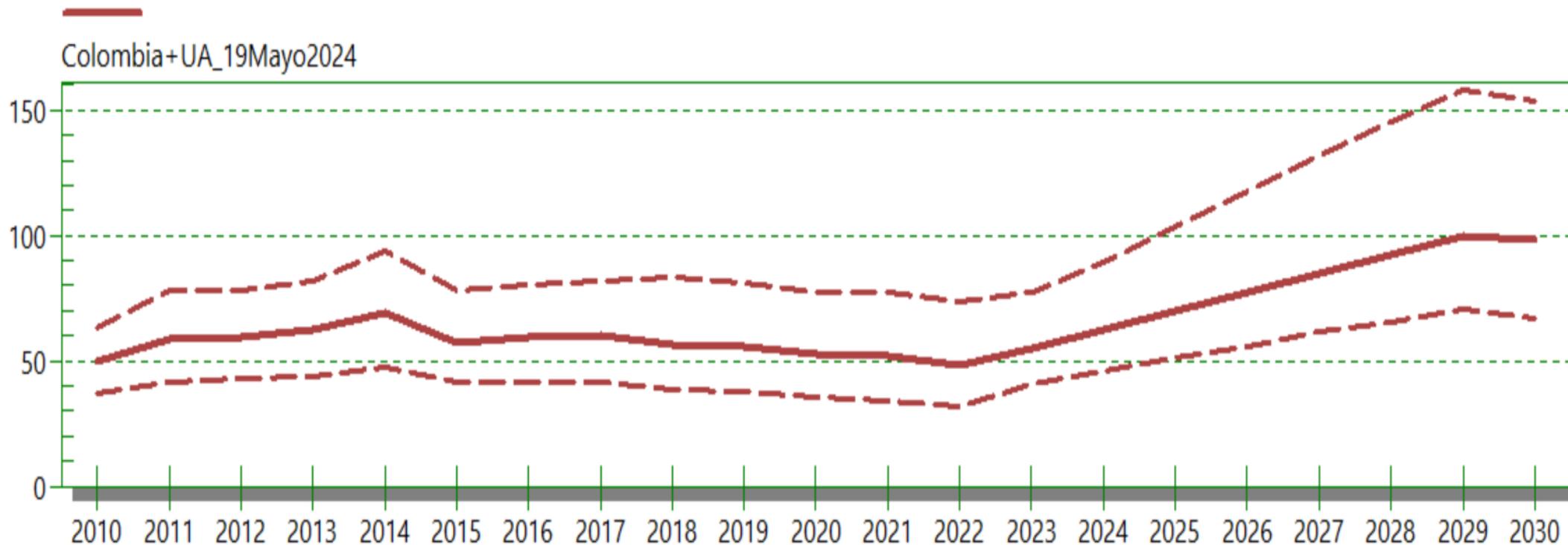
AIDS deaths



Colombia+UA_19Mayo2024	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Lower bound	5.90	4.88	4.36	4.05	3.80	3.47	3.18	3.21	3.16	2.53	2.07	1.99	2.22	2.14	2.00	1.78	1.62	1.49	1.38	1.30	1.23
Upper bound	11.25	10.03	9.11	8.72	8.21	7.67	7.36	7.70	7.62	6.40	5.56	6.40	7.41	6.65	6.19	5.90	5.58	5.24	4.87	4.61	4.31

COBERTURA DE TRATAMIENTO PARA GESTANTES VIH (+), 2010 - 2030

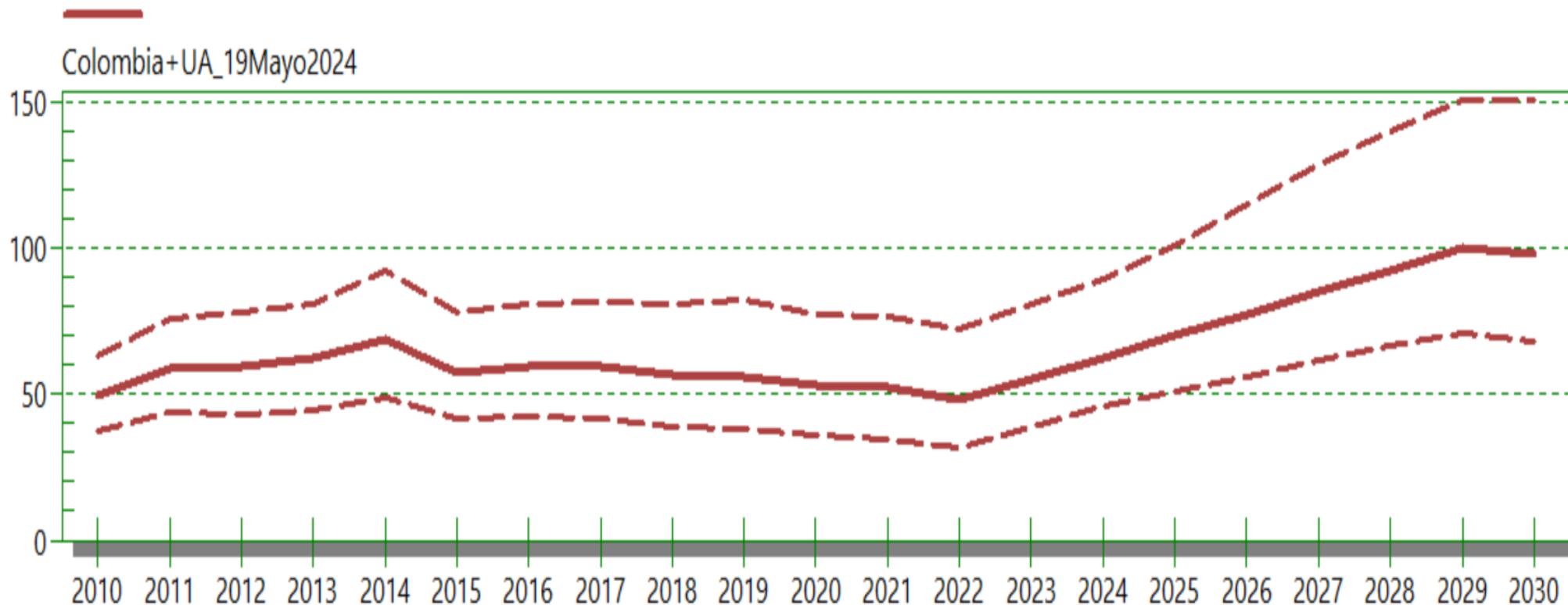
Treatment coverage for HIV+ pregnant women



Colombia+UA_19Mayo2024	49.65	58.44	59.60	62.31	68.87	57.48	59.67	59.81	56.69	55.63	52.74	52.19	48.08	55.00	62.50	70.00	77.50	85.00	92.50	100.00	98.00
Lower bound	37.07	41.37	43.34	43.57	47.22	41.77	41.68	41.26	38.58	37.64	35.20	33.99	31.92	40.45	45.62	50.93	55.33	61.73	65.69	70.29	66.75
Upper bound	63.43	77.93	78.42	82.18	93.92	78.33	80.57	81.57	83.55	81.26	77.74	77.20	73.27	77.18	89.65	103.51	117.40	131.68	145.37	158.31	153.84

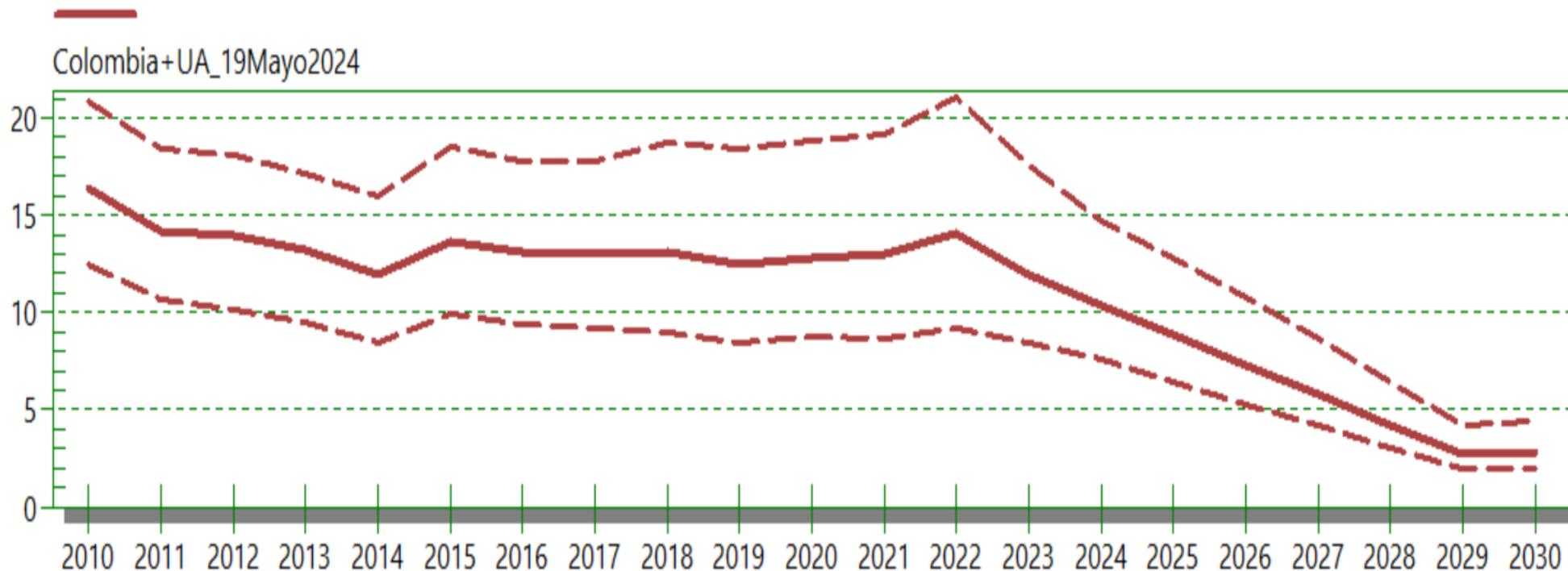
Cobertura de Prevención de la Transmisión Materno Infantil del VIH, 2010 - 2030

PMTCT coverage (%)



Colombia+UA_19Mayo2024	49.65	58.44	59.60	62.31	68.87	57.48	59.67	59.81	56.69	55.63	52.74	52.19	48.08	55.00	62.50	70.00	77.50	85.00	92.50	100.00	98.00
Lower bound	37.75	43.68	43.45	44.49	48.87	41.67	42.69	41.89	38.78	37.78	35.89	34.56	31.48	38.73	46.16	50.98	55.79	61.52	66.96	70.94	68.13
Upper bound	63.05	75.82	77.67	80.64	92.19	77.78	81.11	81.53	80.59	81.94	77.45	76.64	72.08	81.13	89.09	100.73	114.93	128.63	140.19	150.43	150.86

MTCT rate at 6 weeks (%)

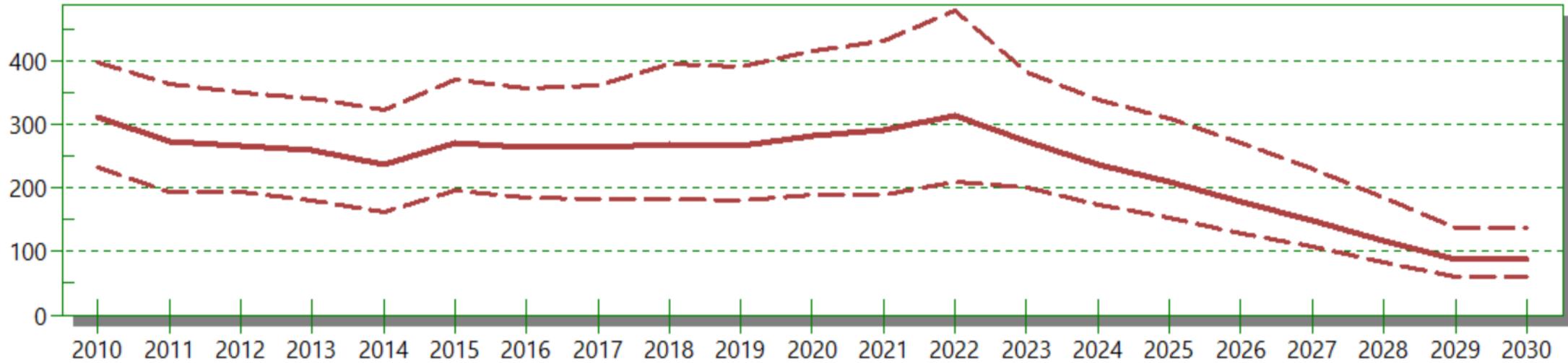


Colombia+UA_19Mayo2024	16.44	14.22	13.91	13.24	11.95	13.67	13.08	13.04	13.16	12.48	12.79	13.04	14.02	11.92	10.33	8.85	7.29	5.75	4.23	2.75	2.85
Lower bound	12.50	10.62	10.14	9.46	8.48	9.91	9.36	9.13	9.00	8.48	8.70	8.64	9.18	8.39	7.63	6.45	5.25	4.16	3.06	1.95	1.98
Upper bound	20.88	18.44	18.13	17.14	15.99	18.50	17.78	17.77	18.70	18.39	18.78	19.15	21.01	17.59	14.72	12.74	10.81	8.70	6.41	4.14	4.39

Número de nuevas infecciones en niños y niñas debidas a Transmisión Materno Infantil del VIH, 2010 - 2030

Number of new child infections due to mother-to-child transmission

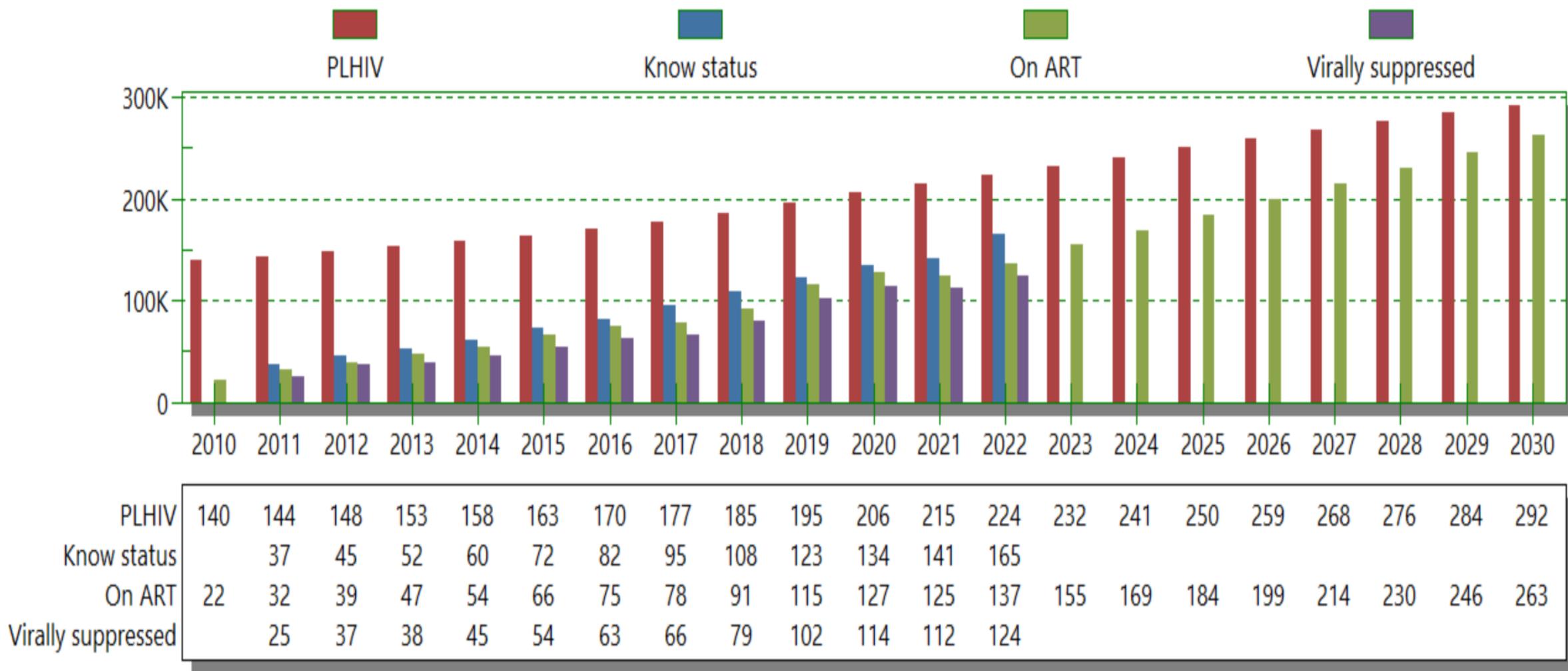
Colombia+UA_19Mayo2024



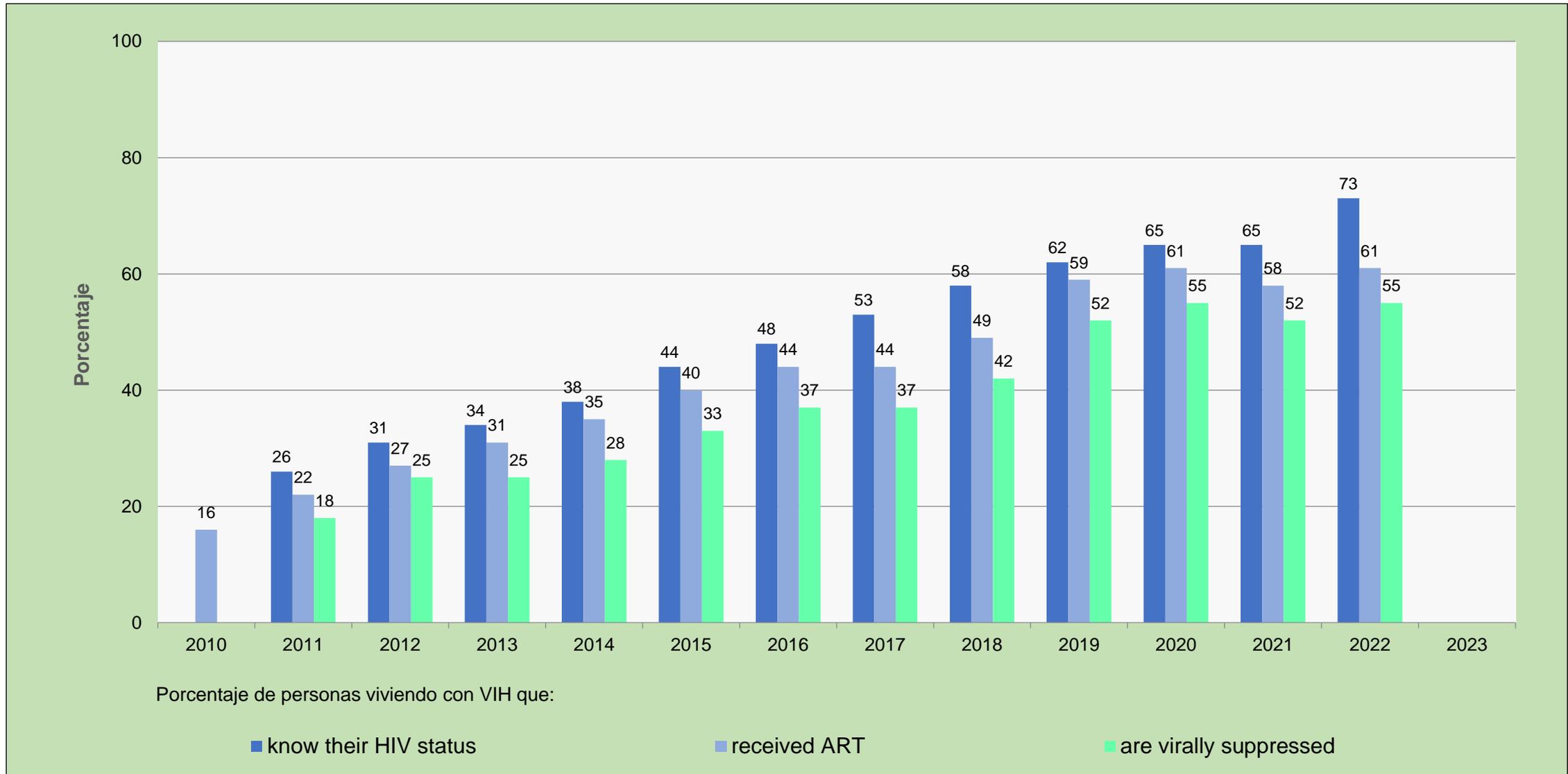
Colombia+UA_19Mayo2024	310.83	272.11	266.39	258.47	235.78	270.98	264.79	264.01	267.73	266.88	281.95	290.98	314.60	272.09	236.01	209.18	178.14	147.67	117.12	86.74	87.44
Lower bound	232.05	192.63	193.70	180.72	161.66	196.93	184.95	182.11	182.18	180.55	188.20	189.55	208.89	200.13	172.28	152.20	127.18	107.24	83.17	60.97	59.56
Upper bound	397.06	362.85	350.51	340.89	321.55	369.27	357.52	360.07	394.52	389.80	415.61	430.44	479.49	381.80	338.52	309.32	269.85	228.76	184.06	137.31	137.27

CASCADA DE TRATAMIENTO - NÚMEROS en todas las edades, 2010 - 2030

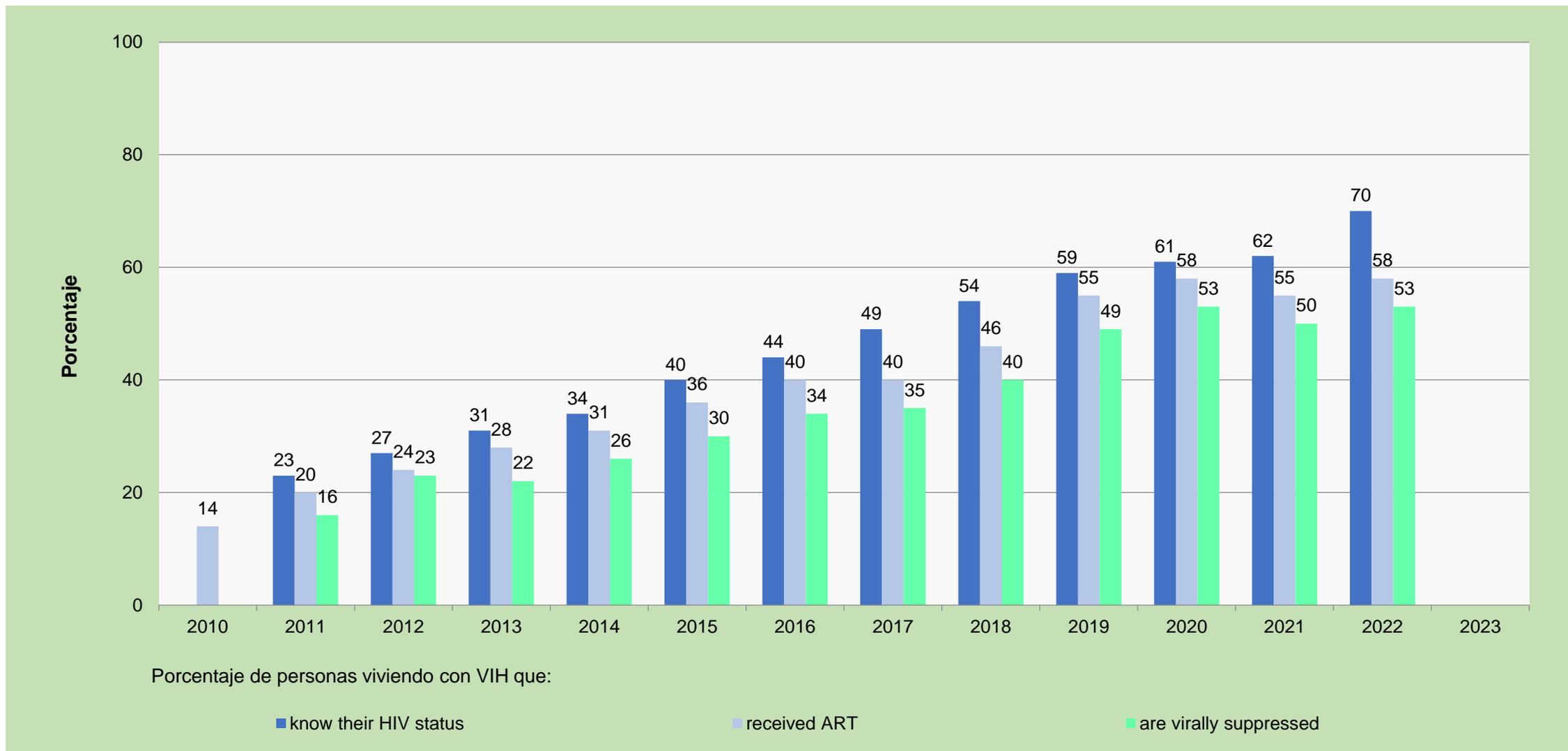
Treatment cascade; Age Group: All adults; Indicator: Numbers



CASCADA DE TRATAMIENTO - PORCENTAJE en población de todas las edades, 2010 - 2022

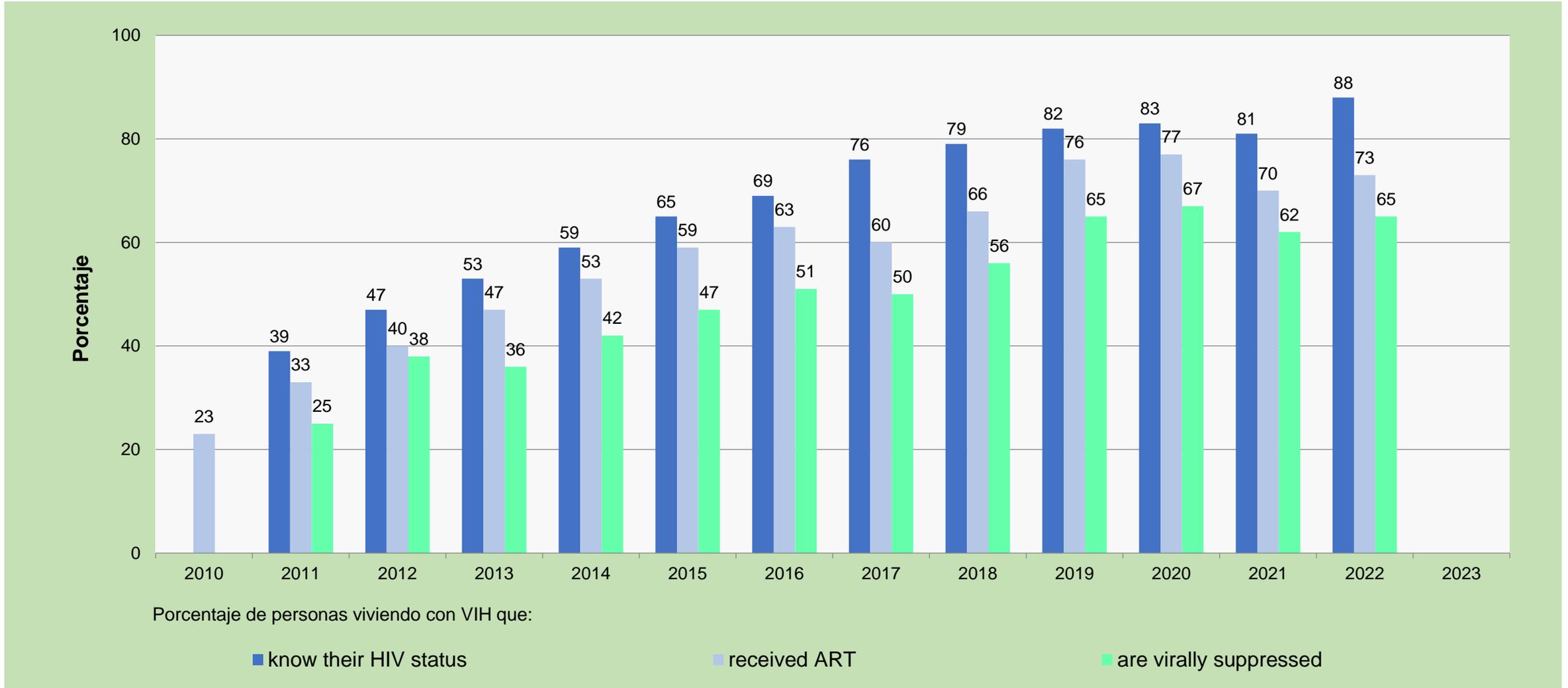


CASCADA DE TRATAMIENTO en hombres de 15 y más años 2010 - 2022



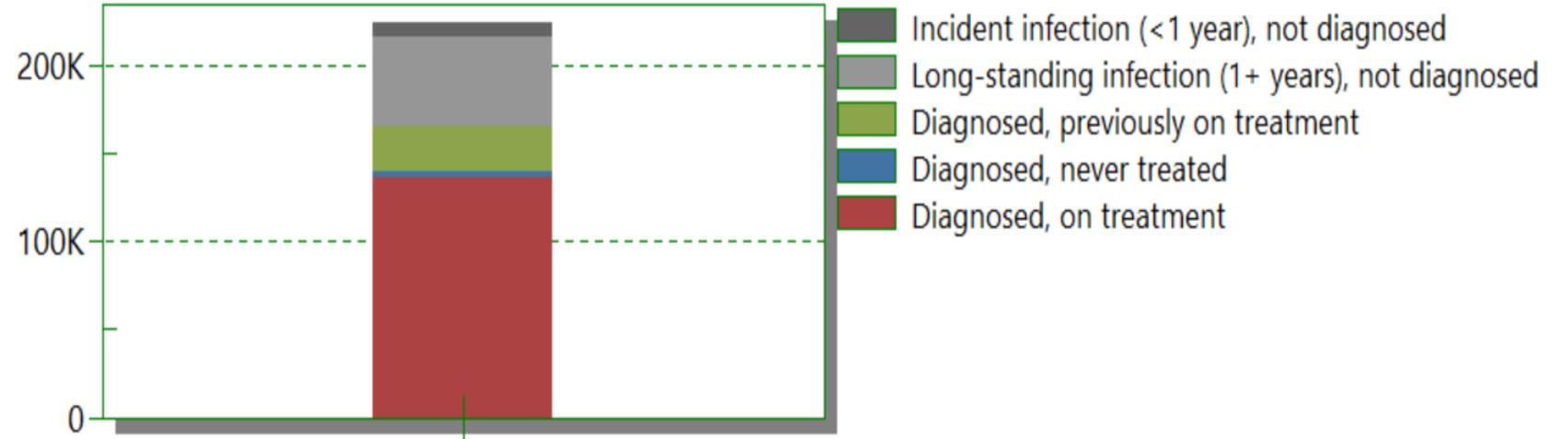
Fuente: Estimaciones Spectrum 2024

CASCADA DE TRATAMIENTO en mujeres de 15 y más años 2010 - 2022



Fuente: Estimaciones Spectrum 2024

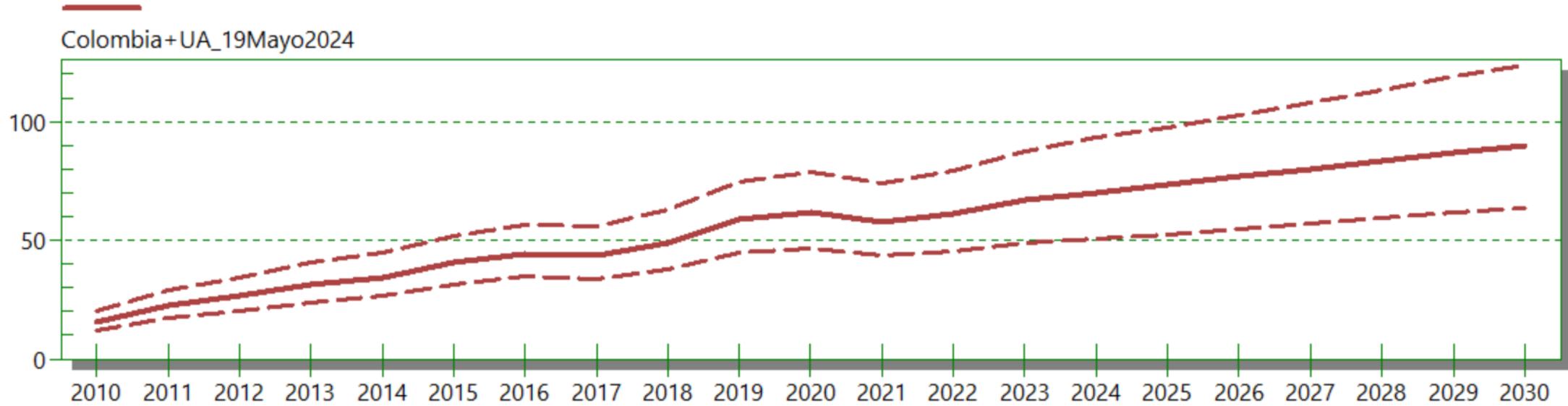
Knowledge of status; 2022



Diagnosed, on treatment	136.58
Diagnosed, never treated	3.08
Diagnosed, previously on treatment	25.04
Long-standing infection (1+ years), not diagnosed	51.23
Incident infection (<1 year), not diagnosed	7.88

Porcentaje de COBERTURA DE TAR en personas de 15 años y más, años 2010 - 2030

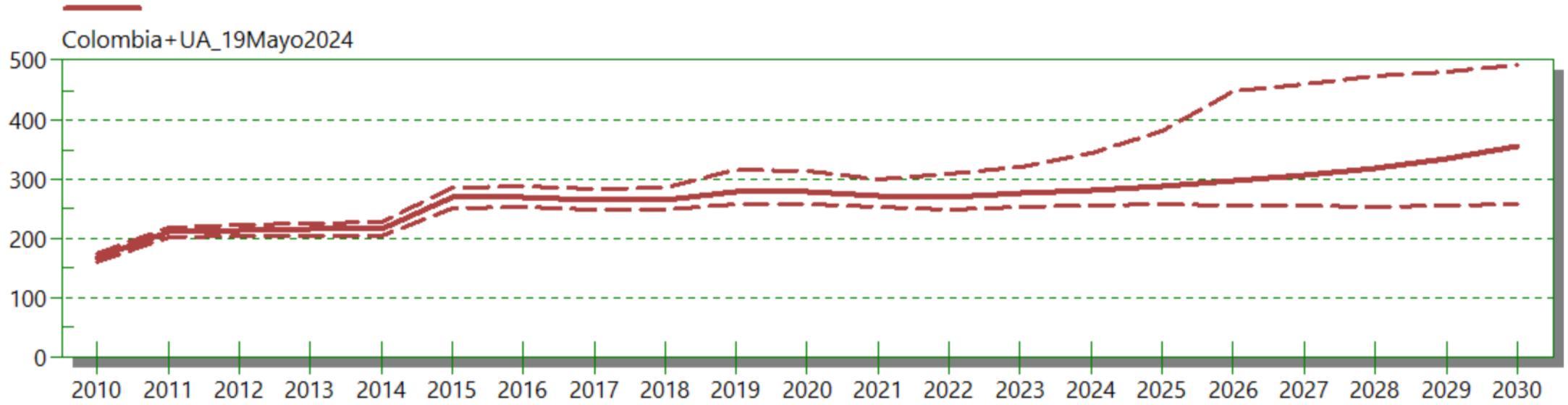
ART coverage of all HIV+ adults (15+) (%)



Colombia+UA_19Mayo2024	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Colombia+UA_19Mayo2024	15.60	22.39	26.58	31.06	34.52	40.40	44.22	43.88	49.09	58.95	61.64	57.90	61.03	66.77	70.08	73.39	76.71	80.03	83.35	86.67	90.00
Lower bound	11.85	17.08	20.34	23.91	26.69	31.37	34.55	33.86	37.65	44.80	46.69	43.52	45.14	48.68	50.48	52.23	54.48	56.85	59.15	61.64	63.60
Upper bound	20.29	29.09	34.32	40.52	44.69	51.96	56.61	56.01	62.76	74.81	78.63	74.06	79.02	87.61	93.05	97.68	102.98	108.15	113.32	118.95	123.92

MEDIANA DEL CONTEO DE CD4 al momento de inicio de la TAR, personas de 15 años y más, años 2010 - 2030

Median CD4 count at ART initiation (15+)



Colombia+UA_19Mayo2024	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Colombia+UA_19Mayo2024	167.96	210.52	213.51	214.94	215.06	269.25	269.88	264.03	264.96	279.07	279.49	272.81	270.56	275.63	282.01	288.35	296.73	306.85	319.67	336.04	356.87
Lower bound	161.10	201.25	203.80	204.66	204.33	251.75	252.68	248.48	247.83	258.46	258.32	253.92	248.13	253.30	254.53	257.41	256.67	255.04	254.44	256.61	258.34
Upper bound	174.96	218.95	222.70	224.58	226.71	286.38	288.96	283.31	286.24	317.32	314.05	299.29	309.31	321.57	344.38	382.17	449.96	461.91	474.30	483.14	494.49

Resumen de datos	2022	2023
Número de personas viviendo con VIH, todas las edades	225.940	234.490
Número de nuevas infecciones por VIH, todas las edades	13.450	12.970
Número de muertes por VIH/Sida, toda la población	4.180	3.690
Número de personas que conocen su estado serológico	165.000 (73%)	
Número de personas en TAR	137.000 (61%)	
Número de personas con carga viral suprimida	124.000 (55%)	



Salud