

GHANA AIDS COMMISSION



National and Sub-National HIV and AIDS Estimates and Projections 2017 Report

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ACRONYMS

AIDS	Acquired Immunodeficiency Syndrome
ANC	Ante-Natal Care
ART	Antiretroviral Therapy
ARV	Antiretroviral
BSS	Behavioural Surveillance Survey
BCC	Behaviour Change Communication
CDC	Centres for Disease Control and Prevention
CSW	Commercial Sex Worker
CV	Community Volunteer
DA	District Assembly
EPP	Estimation and Projection Package Modelling
FSW	Female Sex Worker
GAC	Ghana AIDS Commission
GDHS	Ghana Demographic and Health Survey
GES	Ghana Education Service
GFATM	Global Fund for AIDS, Tuberculosis and Malaria
GHS	Ghana Health Service
GSS	Ghana Statistical Service
HAART	Highly Active Antiretroviral Therapy
HCW	Health Care Worker
HIV	Human Immunodeficiency Virus
HSS	HIV Sentinel Survey
HTC	HIV Testing and Counselling
IPC	Inter personal Communication
IE &C	Information Education and Communication
JSI	John Snow Inc.
KP	Key Populations
LEAP	Livelihood Empowerment Against Poverty
MOE	Ministry of Education
MOH	Ministry of Health
MSM	Men who have Sex with Men
NACP	National AIDS/STI Control Programme
NGO	Non-governmental Organisation
NSF	National Strategic Framework
NSP	National Strategic Plan
OIs	Opportunistic Infection
PEP	Post Exposure Prophylaxis
PLHIV	People living with HIV and AIDS
PMTCT	Prevention of Mother to Child Transmission
SHARP	Strengthening HIV and AIDS Response Partnerships
SSS	Senior Secondary School
STI	Sexually Transmitted Infections
TB	Tuberculosis
TWG	Technical Working Group
UNAIDS	Joint United Nations Programme on HIV AND AIDS
WHO	World Health Organisation

1. o INTRODUCTION

HIV prevalence data is critical for planning and implementing programs in the National Response. The data is useful for understanding the magnitude of HIV and AIDS problems and for monitoring the impact of interventions. Generation of HIV prevalence data is done using UNAIDS/WHO recommended methods. As in other countries with generalized HIV epidemics, the estimates of HIV prevalence in Ghana is primarily based on sentinel surveillance among pregnant women attending antenatal care (ANC) clinic and a national population-based survey which includes HIV testing. Additional program data on the number of men, women and children on ART, the number of women receiving ARVs as prophylaxis (PMTCT) and other demographic and epidemiological information to determine the impact of HIV is fed into the software.

It is acknowledged that both sentinel surveillance and population-based surveys each have strengths and weaknesses but together provide complementary information. HSS provides samples that are consistent over time so that good estimates of HIV trends can be obtained. Population-based surveys, on the other hand, provide a better geographic coverage of the general population, and analysis of combined data from the sentinel surveillance provides a clear picture of overall trends and geographical distribution of HIV. HIV and AIDS data from all other available sources, including ART and routine PMTCT data were compiled and used as inputs for the projection to supplement the HSS and Survey data.

This technical report provides the Ghana National HIV Prevalence Estimates and Projections for 2013 to 2022 and describes the approach that was used to produce them. It is important to note that estimates and projections captured in this report take precedence over previous ones.

2.0 BACKGROUND OF ESTIMATION AND PROJECTION

UNAIDS and WHO, with the guidance and recommendations from an external group of scientists and researchers (the UNAIDS Reference Group on Estimates, Modelling and Projections), have developed a set of methods and assumptions to model epidemic trends, to determine annual estimates of HIV prevalence in countries, and to make demographic projections of the epidemic. For countries with generalized epidemics in which HIV is firmly established in the general population, the Estimation and Projection Package (EPP) has been designed as a tool to construct national and sub-national (e.g. urban and rural/regional and district) epidemic curves to indicate the levels and trends of the epidemic.

Once epidemic curves are produced in EPP, which is already in-built in the SPECTRUM Projection Package, estimates of national prevalence, incidence, mortality and treatment needs by sex and age groups are generated. The SPECTRUM module for HIV and AIDS projections uses the HIV epidemic curve produced in EPP together with assumptions about the epidemiology of HIV (including the ratio of female to male prevalence, distribution of infection by age, the survival distribution and the effect of HIV on fertility) to calculate HIV prevalence, incidence and mortality by age and sex. SPECTRUM also calculates the number of child infections occurring through mother to child transmission, child deaths, and the number of AIDS orphans, as well as the estimates of persons needing treatment. The UNAIDS Reference Group on Estimates, Modelling and Projections continues to improve the assumptions and EPP software to ensure better estimates and projections. The 2017 data was generated using the SPECTRUM version 5.65.

Countries require HIV estimates for sub-national geographic areas to plan and monitor their HIV epidemic and response with more precision than would be possible with only national estimates. The sub-national estimates complement efforts led by UNAIDS which use data from Demographic and Health Surveys to estimate HIV prevalence at the Regional and District levels. The sub-national estimates thus provide more variables to support sub-national program managers to plan and monitor the epidemic.

It has been observed that there are geographic variations in HIV incidence and prevalence as well as program implementation in Ghana. Surveillance data and HIV estimates, available by national, regional and district disaggregations, provide inputs for the generation of subnational estimates. These estimates provide the granular strategic information required to improve geographic planning and target setting in national HIV strategic plans.

3.0 ESTIMATION PROCESS AND METHOD

3.1 National Estimates

The sources of data for the National Estimates and Projections 2017 – 2022 was from the HIV Sentinel Survey (1992 to 2017), the 2003, 2008 and 2014 GDHS, Antiretroviral Therapy and Prevention of Mother to Child Transmission program data as at December 2017.

3.1.1 Ghana Demographic and Health Survey Data Used to Calibrate the National Epidemic Curve

The 2003 and 2014 GDHS (which included data on HIV testing, HIV prevalence for urban and rural localities as well as their sample size and standard errors) were used in building assumptions in addition to the HSS data to generate the curve.

3.1.2 Sentinel Surveillance Data Entered in EPP

Ghana has over the past 25 years been conducting annual HSS to provide the trend of HIV. In the last ten (10) years, the HSS data have also been used as the primary data source for the National HIV and AIDS estimates in Ghana. There are 40 sentinel sites with at least three sites from each region made up of 23 urban and 17 rural sites. The current rural/urban proportion of sites ensures a balanced representation in the determination of the HIV prevalence in Ghana. The number of sites has remained the same since 2005. HIV prevalence among antenatal clients for 2017 2.1%. HIV prevalence in urban areas is higher (2.5%) than rural (1.0%). The HSS urban and rural sites data from 1992 to 2017 were entered into EPP to generate the epidemic curve.

3.1.3 Program Data

Program data on the number of men, women and children on ART, the number of women receiving ARVs for prophylaxis (PMTCT) was fed into the software.

3.1.4 Other Data Applied

- a) Estimates of the population by age and sex projected over time were generated by using data from the UN Population Division.
- b) Survival on ART for Children:
 - Under 1 year old - 85%
 - Age 1 year and Older
 - 1st year survival - 85% and survival in subsequent years - 93%.
- c) Ratio of fertility of HIV infected women to the fertility of uninfected women (15-49) is 95%.
- d) From 2017 onwards, the ARV Eligibility criteria at <350 was removed and the treat all policy applied.
 - Net migration patterns
 - Life Expectancy
 - Breast Feeding

3.1.5 Generating the Epidemic Curve

The R-Spline model was used for generating the curves. This is the best model for countries with more than 8 years of surveillance data and over 7 surveillance sites.

Using the sentinel surveillance and GDHS data, the EPP software generates several probable curves first and then selects a sample of “the best fit curves” out of the total number initially generated through a process referred to as uncertainty analysis. The final epidemic curve is the median of the resampled curves.

The specific conditions for each parameter are displayed in tables 1 and 2 respectively. Based on the parameters and prevalence data from HSS calibrated with DHS+ data, the best fit curve for the Ghana HIV epidemic was generated for both urban and rural locations. See Figures 1 and 2 below.

Table 1: EPP Curve Fitting Urban Parameters

R-Spline					
Limits on curve generation					
Limits:	1.0000E-13		< y0 <	0.0025	
Epidemic start year (t0)			1970		
Random walk variance (lambda)			0.0100		
Conditions on prevalence					
<=	100.00	in year	2005	>=	0.00 in year 2005
<=	100.00	in year	2005	>=	0.00 in year 2005
<=	100.00	in year	2005	>=	0.00 in year 2005
<=	100.00	in year	2005	>=	0.00 in year 2005
<=	100.00	in year	2005	>=	0.00 in year 2005
Current seed:			1		
R-Spline					
Number of splines			7		
Difference Penalty			2		
Workset					
Number of Threads			4		
Use ANC adjustment			<input type="checkbox"/>		
Use age-sex model			<input checked="" type="checkbox"/>		
Use variance inflation			<input checked="" type="checkbox"/>		
Lambda VI			66.6667		

Table 2: EPP Curve Fitting Rural Parameters

R-Spline			
Limits on curve generation			
Limits:	1.0000E-13	< y0 <	0.0025
Epidemic start year (t0)	1975		
Random walk variance (lambda)	0.0100		
Conditions on prevalence			
<=	2.00	in year	1990
<=	2.50	in year	1998
<=	100.00	in year	2005
<=	100.00	in year	2005
<=	100.00	in year	2005
>=	0.00	in year	2005
>=	0.00	in year	2005
>=	0.00	in year	2005
>=	0.00	in year	2005
>=	0.00	in year	2005
Current seed: 1			
R-Spline			
Number of splines	7		
Difference Penalty	2		
Workset			
Number of Threads	4		
Use ANC adjustment	<input type="checkbox"/>		
Use age-sex model	<input checked="" type="checkbox"/>		
Use variance inflation	<input checked="" type="checkbox"/>		
Lambda VI	66.6667		

Figure 1: National Urban HIV Prevalence Curves

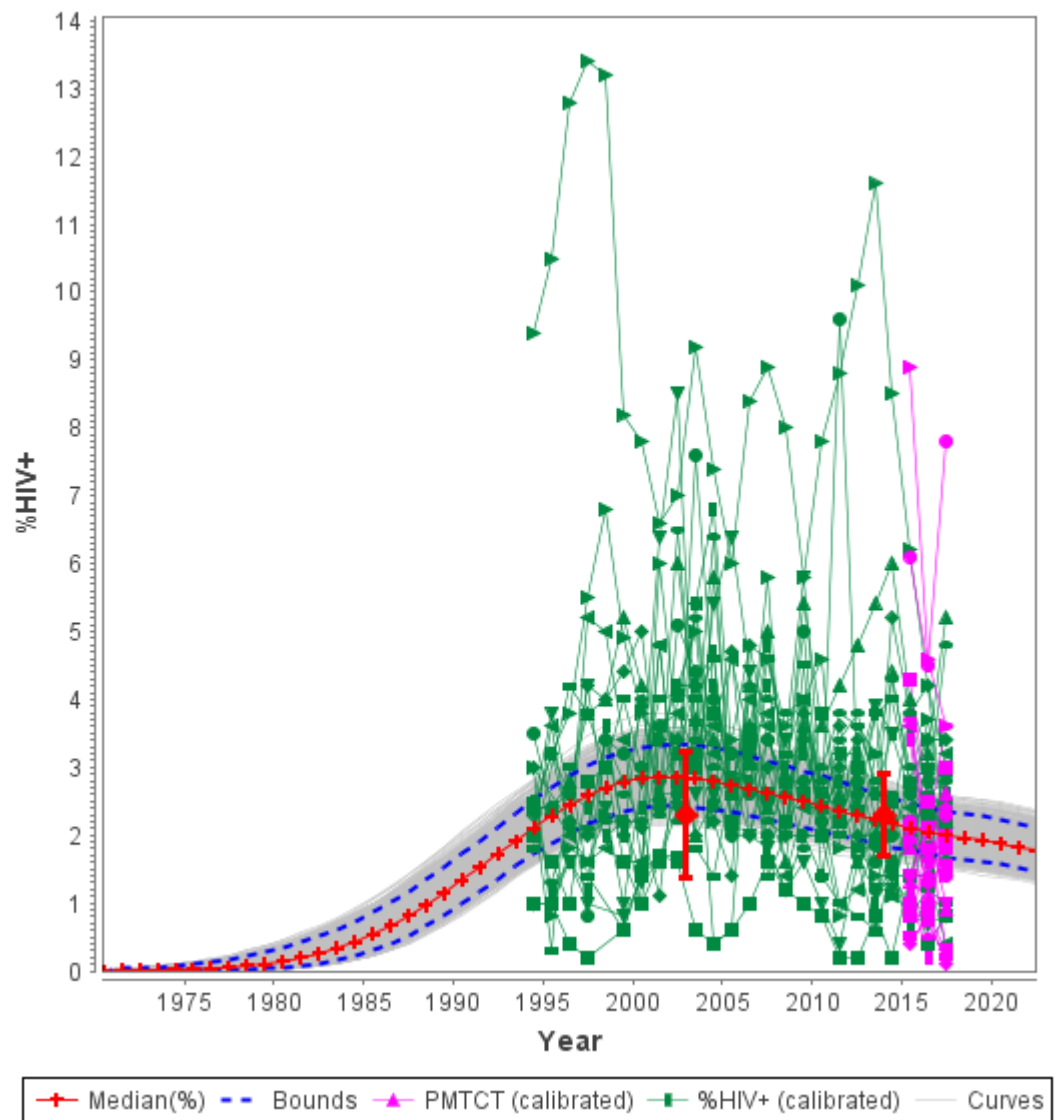
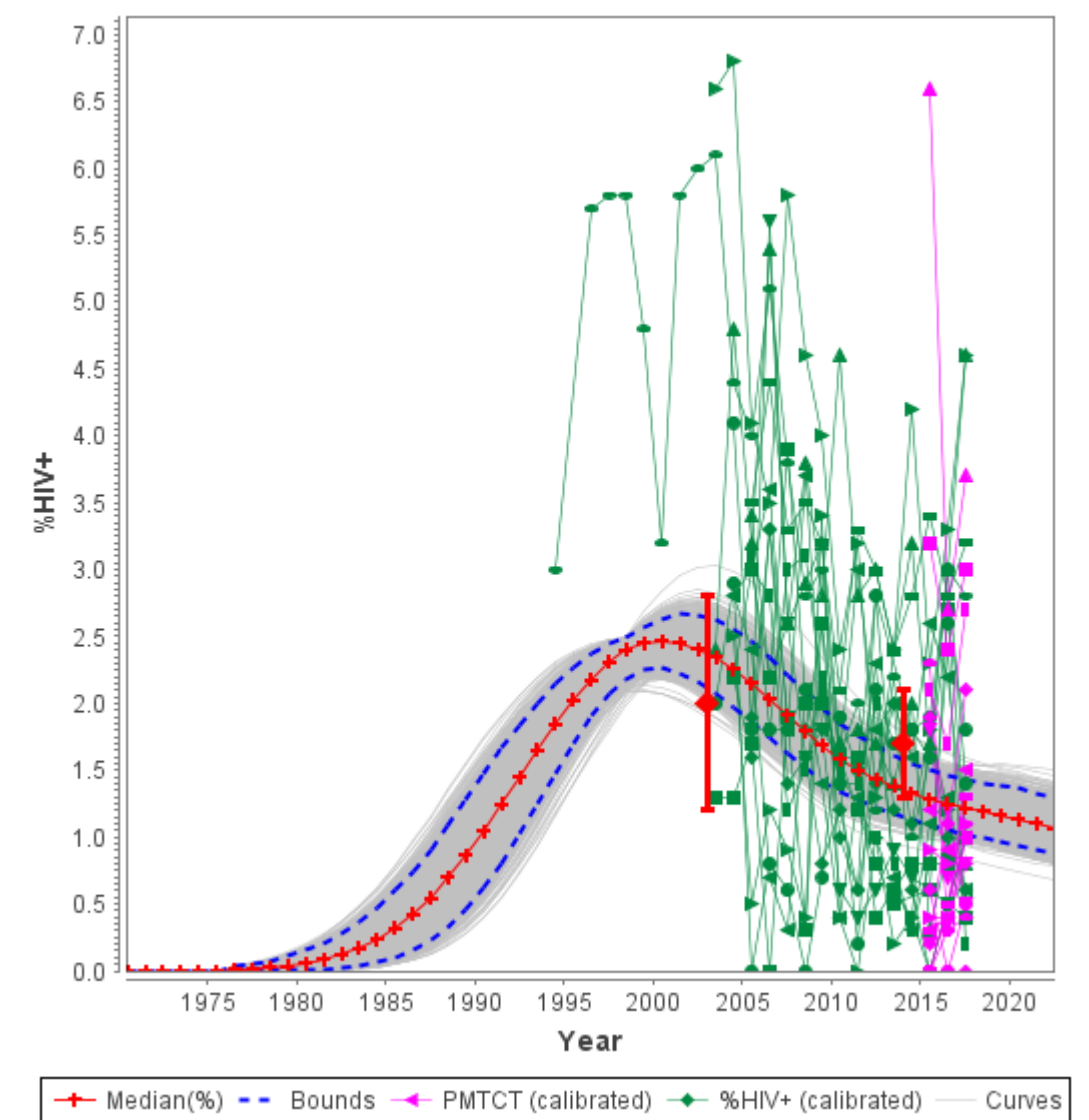


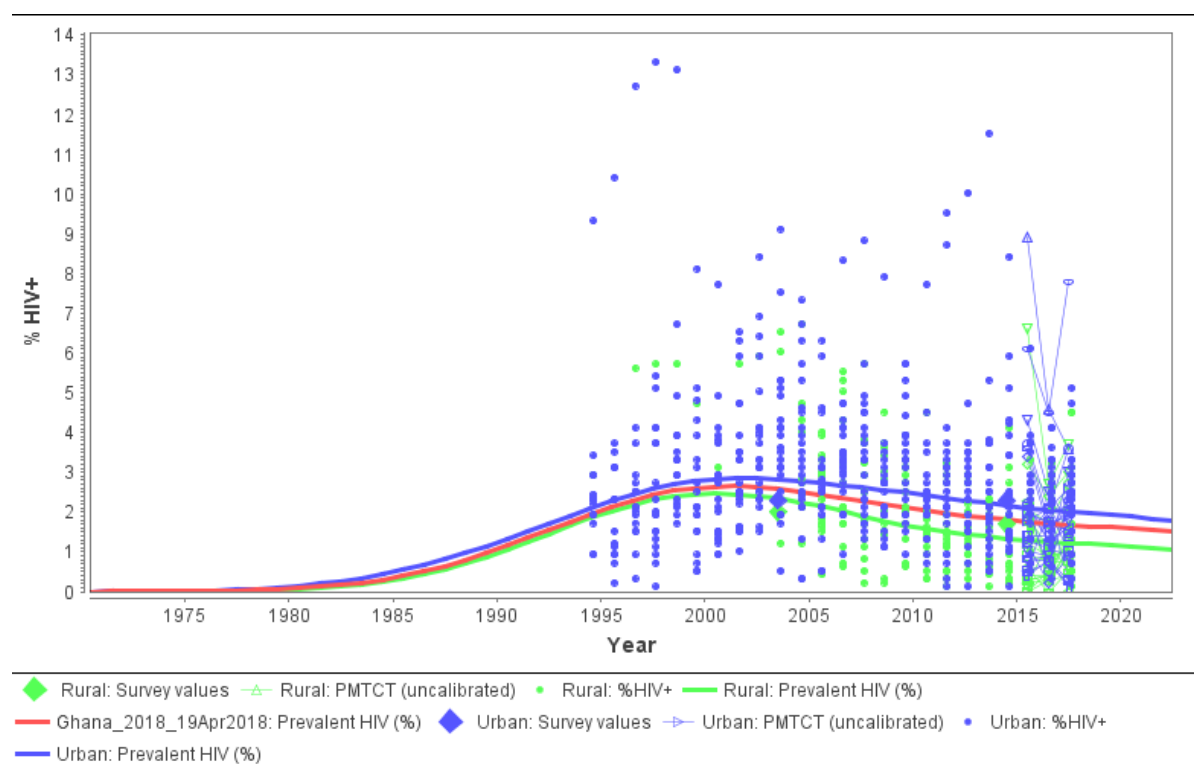
Figure 2: National Rural HIV Prevalence Curves



The graphs displayed in figure 1 and 2 on page 5 and 6 show the following features distinguished by colour:

- i. Surveillance data (Green)
- ii. Unique Curves (Light grey)
- iii. Bounds within which 95% of all curves fall (Blue dashed lines)
- iv. Bayesian Median (Red with +)
- v. Population Based Surveys (Red diamonds with 95% Confidence Interval)
- vi. PMTCT Routine Data (Pink diamonds)

Figure 3: Population Living with HIV in Total (Urban and Rural Areas)



3.1.6 Estimating the Size and Demographic Impact of HIV in Spectrum

Estimating the size of HIV and AIDS population and the demographic impact was based on the curve generated in EPP, estimates of the population, epidemiological assumptions and service provision program data. The Spectrum program calculates the number of adults and children living with HIV, AIDS deaths, new infections, and treatment needs and coverage. Tables 3 and 4 show demographic and Program data used in estimating the size and impact of HIV and AIDS. The default values in the Spectrum software which are estimates from the UN Population Division 2012 Population Prospects was used. Below is a summary of the values.

Table 3: Population and Demographic Parameters Used for Projection

Parameter	...	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	...
Life Expectancy												
Male		62.4	62.6	62.7	63.0	63.0	62.9	62.9	63.1	63.3	63.5	
Female		64.3	64.5	64.8	64.9	64.9	64.9	65.1	65.3	65.6	65.9	
Total Fertility Rate		4.2	4.1	4.1	4.0	4.0	3.9	3.8	3.8	3.7	3.7	
Sex Ratio at Birth		105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	

Table 4: Programme Indicators

Programme Indicator	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
No. of children born to HIV+ mothers on Co-trimoxazole	261	235	914	1,081	1,298	1,850	1,655	1,468	1,409	1,703	1,559	1,580	1,830
Number of children receiving ART	136	257	538	946	1,617	2,387	2,957	3,504	3,907	4,581	3,664	4,953	6,502
No. of HIV positive Pregnant women receiving single dose Nevirapine	584	1,239	1,448										
No. of HIV positive Pregnant women receiving Combivir			2,896	4,991	3,634	5,845							
No. of HIV positive Pregnant women receiving Triple Prophylaxis from 14 weeks							4,057	4,510	3,712	4,268	3,677		
No. of Adult receiving ART services (cumulative)	3,663	6,736	11,777	20,602	28,647	38,188	56,050	66,366	71,855	79,131	78,323	95,712	119,165

3.2 Sub-national Estimates

The main sources of data were used to generate the sub-National Estimates for 2017:

- i. National HIV Estimates, 2017 (Spectrum)
- ii. National, regional and district projected population for 2017
- iii. 2014 Ghana Demographic and Health Survey HIV prevalence data
- iv. 2017 Routine PMTCT data

Using Excel spread sheet, data from these sources were allocated to various regions and districts as inputs to generate indicators such as HIV prevalence, HIV population, new HIV infections and annual AIDS deaths.

4.0 RESULTS

4.1 National Estimates Results

The estimated adult national HIV prevalence for 2017 is 1.67% (C.I: 1.36% – 2.00%), with the number of people living with HIV and AIDS estimated at 313,063 (approx., 310,000) persons. This is made up of 284,860 (\approx 280,000) adults and 28,203 (\approx 28,000) children living with HIV and AIDS representing 91.0% adults and 9.0% children respectively. The HIV adult incidence rate in 2017 is estimated at 0.68%, and there were 19,101 new infections (82.1% adults, 17.9% children) and 15,694 AIDS deaths. Annual AIDS death amongst children 0-14 years is estimated to be 2,902.

A total number of 3,422 (\approx 3,400) new child infections were estimated to have occurred among children 0-14 years. The 15 – 24 year group accounted for 5,557 (\approx 5,600) of the new infections. The number of AIDS orphans is estimated at 186,187 (\approx 186,000). Total need for Antiretroviral Therapy (ART) by December 31 2017 is estimated to be 312,598 and an estimated number of 18,263 (\approx 18,000) mothers will also need PMTCT services. See table 5.

Table 5: National HIV Prevalence Estimates, 2017

2017	Lower 2.50%	Median 50%	Upper 97.50%
HIV Adults + Children	260,872	313,063	369,604
HIV Population – Adults 15+	237,759	284,860	335,845
HIV Population – Children (0 -14)	20,601	28,203	33,980
HIV prevalence- Adults (15-49)	1.36	1.67	2.00
Number of new HIV infections	14,990	19,101	23,893
New HIV infections- Adults (15+)	12,287	15,678	19,816
New HIV infections- children	1,976	3,422	4,650
HIV incidence- Adults	0.54	0.68	0.86
Total AIDS deaths	12,374	15,694	19,113
Annual AIDS deaths- Adults (15+)	9,918	12,792	15,753
Annual AIDS deaths- Children (0-14)	1,877	2,902	3,698
Annual AIDS deaths- adults (15-24)	465	790	1,280
Annual AIDS deaths:-children (1-4)	822	1,316	1,720
Mothers needing PMTCT	10,578	18,263	24,246
AIDS orphans	157,710	186,059	215,170
HIV population (15-49)	196,870	240,963	289,668
HIV 15+ females	160,653	190,179	224,506
New HIV infections- Males 15-24	172	1,175	1,719
New HIV infections- Females 15-24	2,351	4,382	6,306

4.2 Outlook for 2018

The projected adult national HIV prevalence for 2018 is 1.64% (C.I: 1.35% – 1.98%), with 316,613 number of people living with HIV and AIDS. This is made up of 289,883 adults (15+ years) and 26,730 children (0-14 years) living with HIV and AIDS. The HIV adult incidence rate in 2018 is estimated at 0.62%. It is projected that there will be 17,649 new infections and 11,908 AIDS deaths. Annual AIDS deaths amongst children 0-14 years is projected to be 2,473. See Table 6.

Table 6: National HIV Prevalence Estimates, Outlook for 2018

2018	Lower 2.50%	Median 50%	Upper 97.50%
HIV Adults + Children	265,392	316,613	375,789
HIV population- Children (0-14)	19,636	26,730	32,021
HIV population Adults (15+)	242,986	289,883	341,868
HIV Prevalence- Adults (15-49)	1.35	1.64	1.98
Number of new HIV infections	13,863	17,649	22,083
New HIV infections Adults (15+)	11,708	15,085	19,363
New HIV infections - (Children)	2,011	2,564	3,132
HIV incidence- Adults	0.48	0.62	0.77
Annual AIDS deaths	9,174	11,908	14,759
Annual AIDS deaths- Adults (15+)	7,084	9,435	11,953
Annual AIDS deaths- Children(0-14)	1,637	2,473	3,135
Annual AIDS deaths- Adults (15-24)	397	663	1,049
Annual AIDS deaths- Children (1-4)	599	1,107	1,474
Mothers needing PMTCT	13,569	19,296	24,373
AIDS orphans	150,697	178,119	207,240
HIV population (15-49)	200,535	243,009	292,386
HIV 15+ females	165,576	195,118	230,664
New HIV infections- Males 15 -24	170	1,124	1,626
New HIV infections- Females 15-24	2,255	4,198	5,960

4.3 Trends and Projections from 2013 – 2022

4.3.1 HIV Prevalence and Incidence

HIV prevalence is projected to drop gradually from 1.85% in 2013 to 1.67% in 2017. It is projected to drop further to 1.51% in 2022. A similar trend is expected within the same period for HIV incidence which is also projected to drop gradually from 0.75% in 2013 to 0.68% in 2017 and decline further to 0.30% in 2022. See Figures 4 and 5.

Figure 4: Adult HIV Prevalence

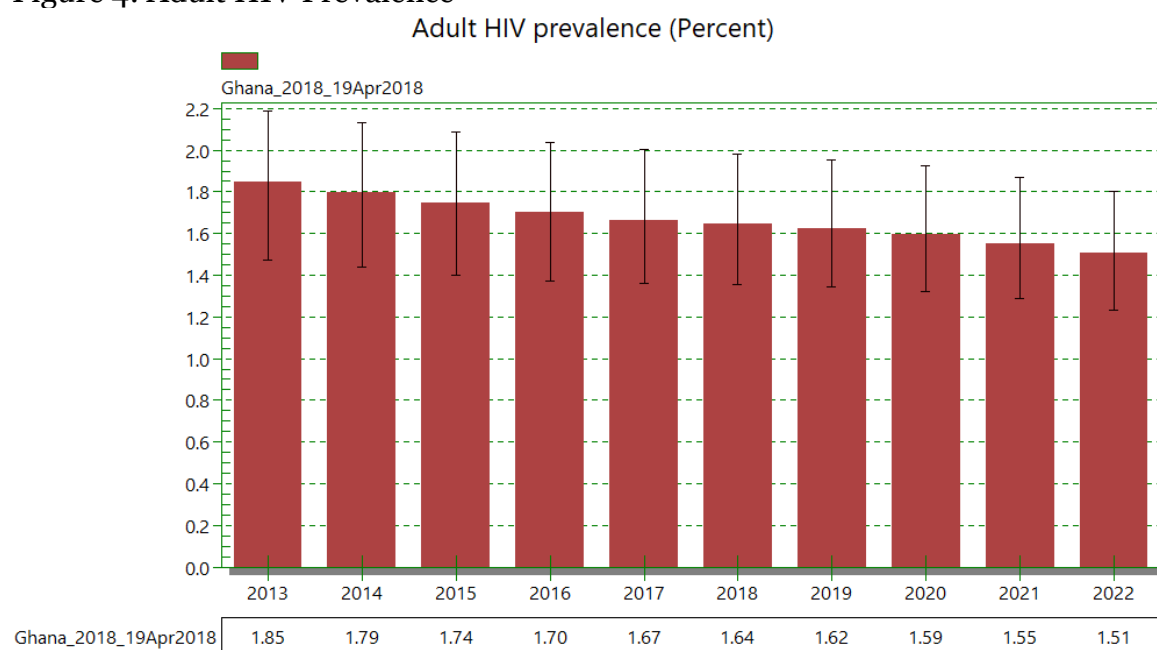
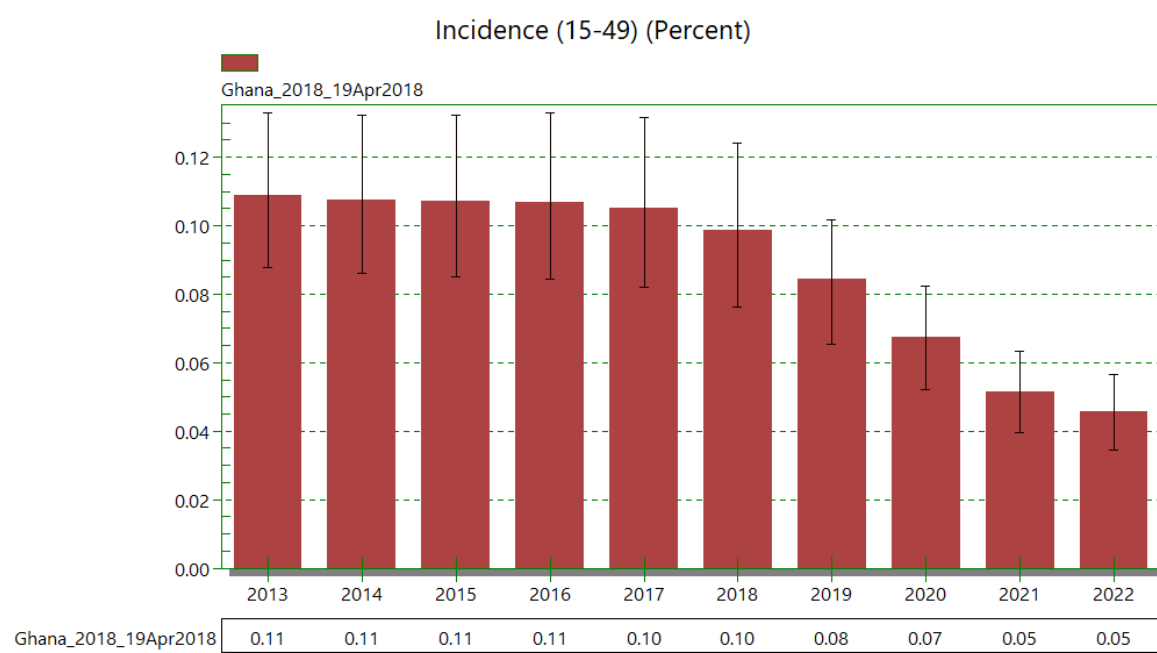


Figure 5: Adult Incidence



4.3.2 HIV Population

Over all HIV population is estimated to increase slowly from 309,918 in 2013 to 328,364 in 2022. This increase of 5.95% over the period is expected due to increased survival resulting from widespread use of ART over the last two decades.

Figure 6: Total HIV Population (Total)

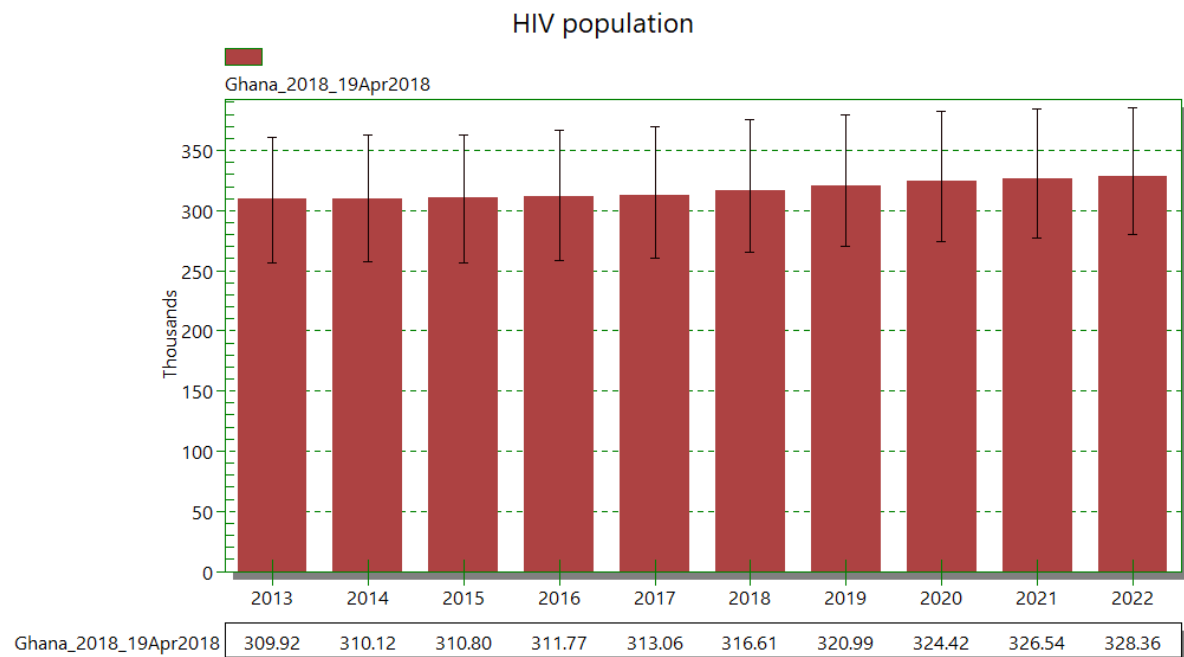
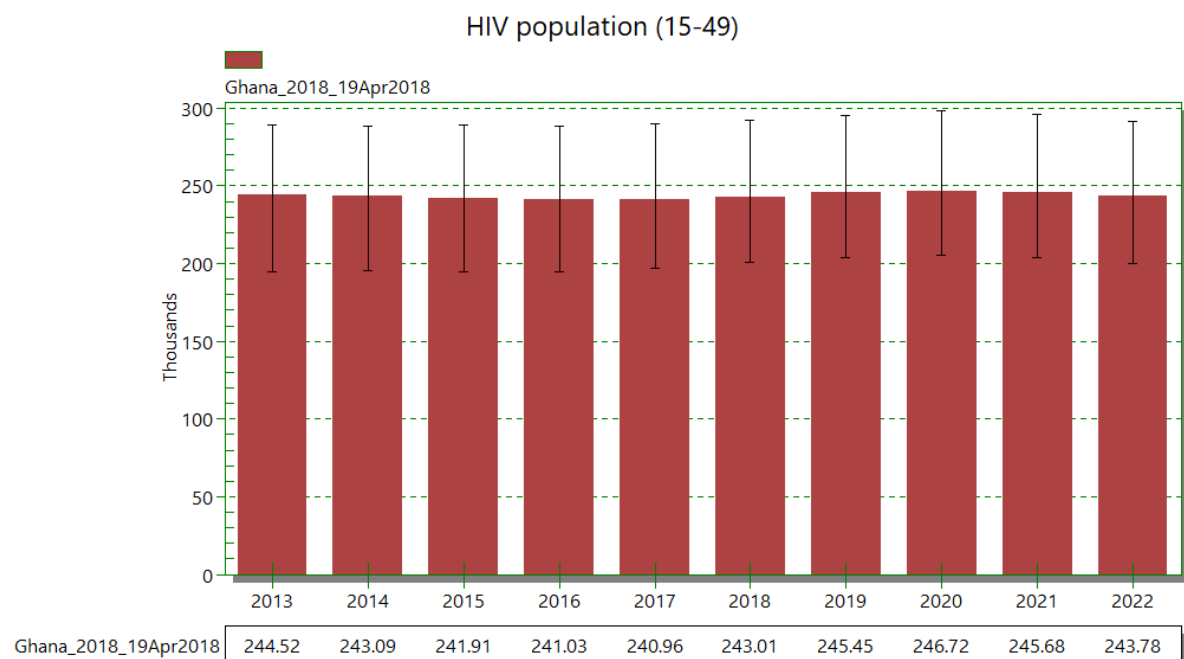
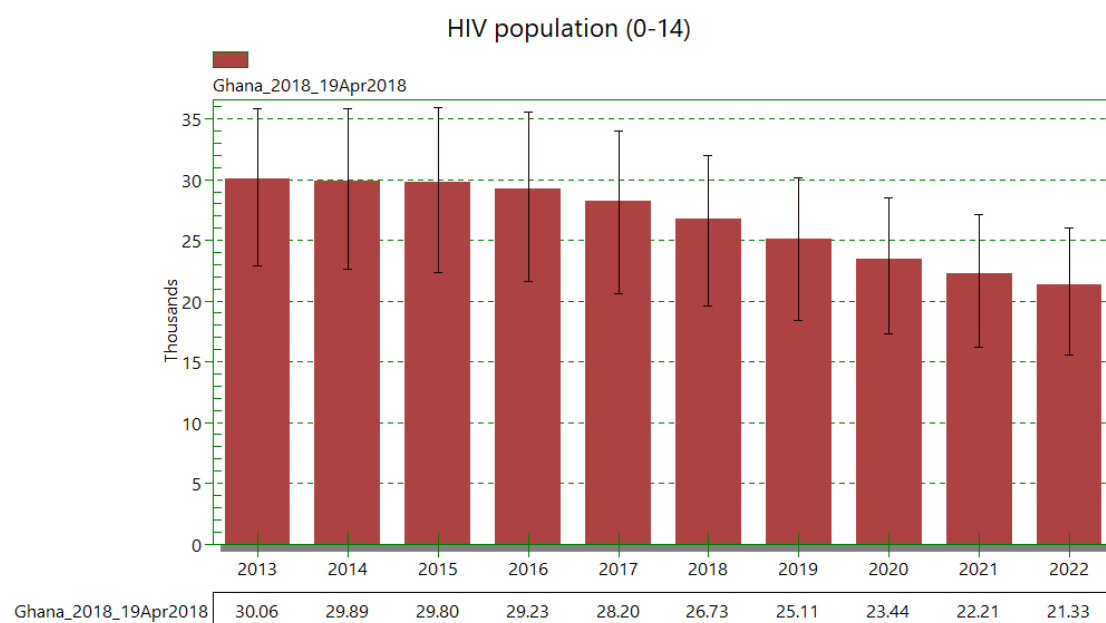


Figure 7: HIV Population (15-49) Years



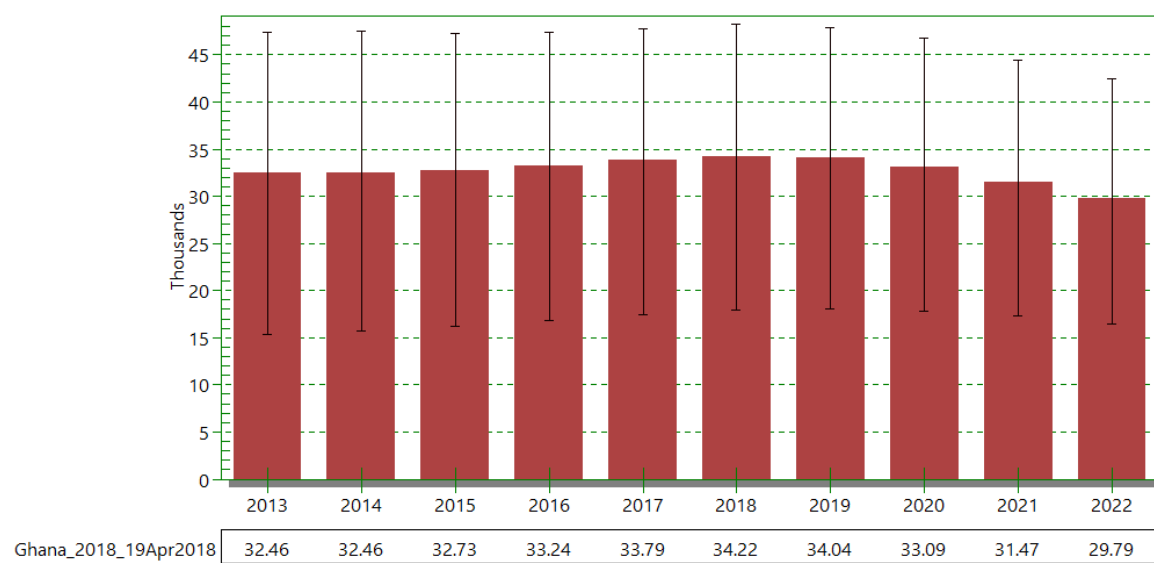
The HIV population among children 0 -14 years shows a decline from 30,061 in 2013 to 21,327 in 2022 (29.05% decline). This is due to expected reduction in new child infections through PMTCT. See figure 8.

Figure 8: HIV Population (0-14 Years)



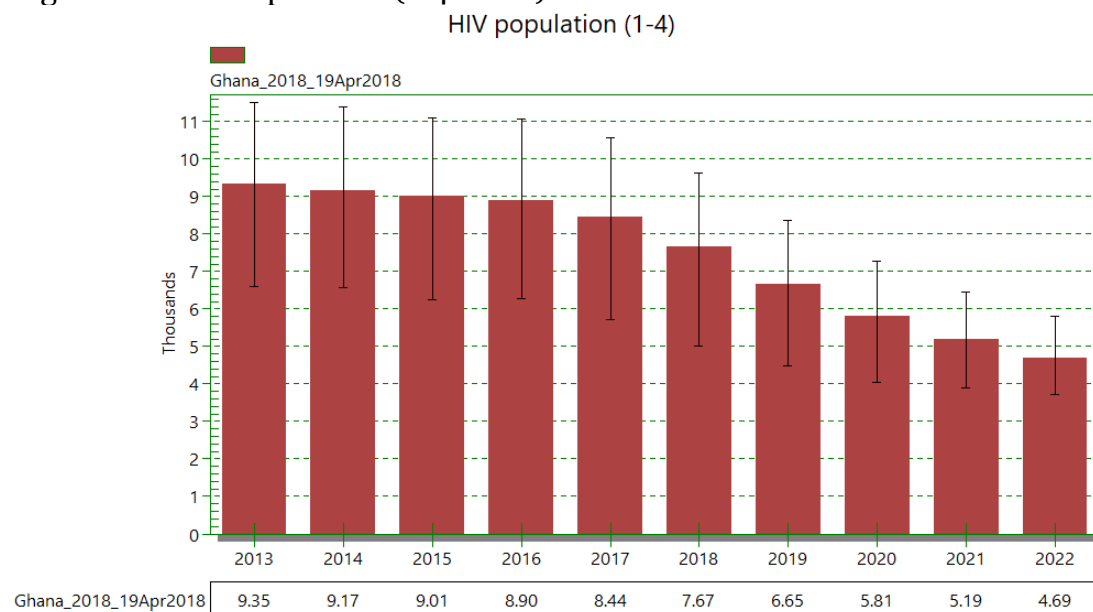
The HIV population among young adults 15-24 years increased between 2013 (32,462) to 2018 (34,219) representing a 5.41% increase. This increase can be partly due to reduction in public campaigns in HIV over the period as reported in the 2014 GDHS report. However, there is a projected decline from 34,219 in 2018 to 29,788 in 2022. This is partly attributed to new interventions which are expected to lead to a decline in new infections. The explanation for this trend is consistent with the findings of the projected new infections. See figure 9.

Figure 9: HIV Population (15-24 Years)



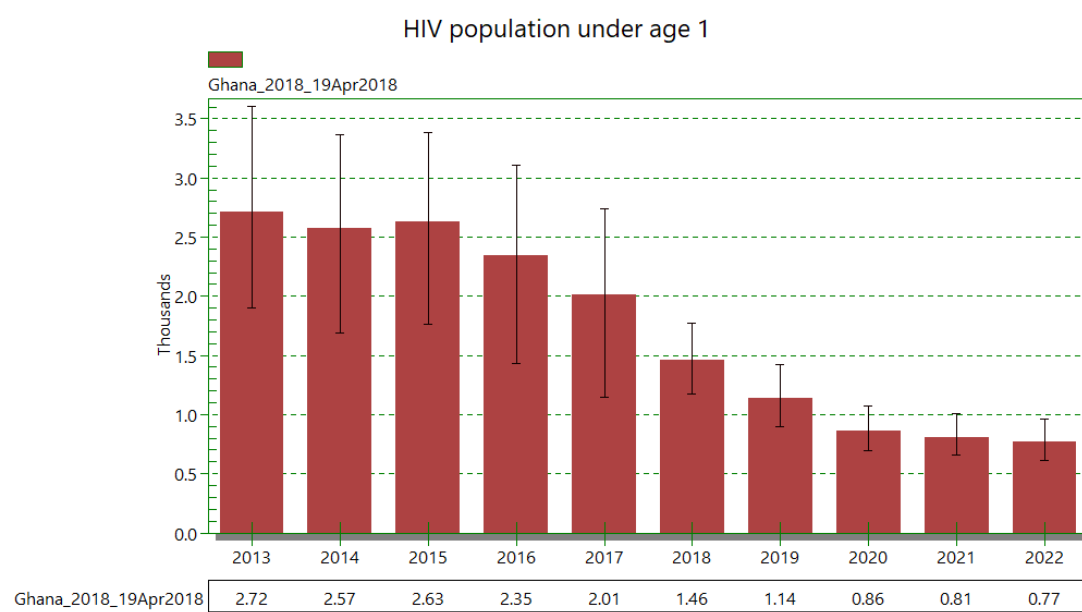
The HIV population among children 1 - 4 years shows a decline from 9,348 in 2013 to 4,689 in 2022 (49.84% decline). This is due to expected reduction in new child infections through PMTCT. See figure 10.

Figure 10: HIV Population (1-4 Years)



There is an estimated decline in the HIV population among children under age 1 from 2,715 in 2013 to 767 in 2022 (71.75% decline) due to expected reduction in new child infections through PMTCT. See figure 11

Figure 11: HIV Population less than one year



4.3.3 New HIV Infections

This section provides information on new HIV infections. Overall, New HIV infections are estimated to rise from 19,247 in 2013 to a peak of 19,568 in 2015 and eventually decline consistently to 9,275 in 2022.

New infections in the specified age group show a decline over the period 2013 to 2022. See Figures 12 - 16.

Figure 12: Number of New Infections (All)

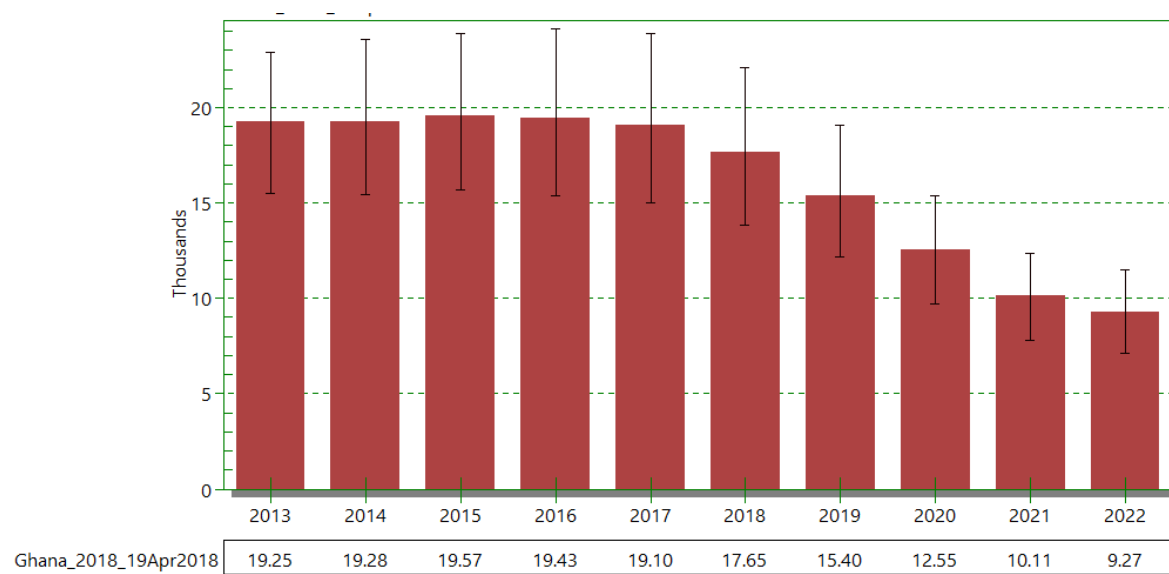


Figure 13: New HIV Infection (0-14 Years)

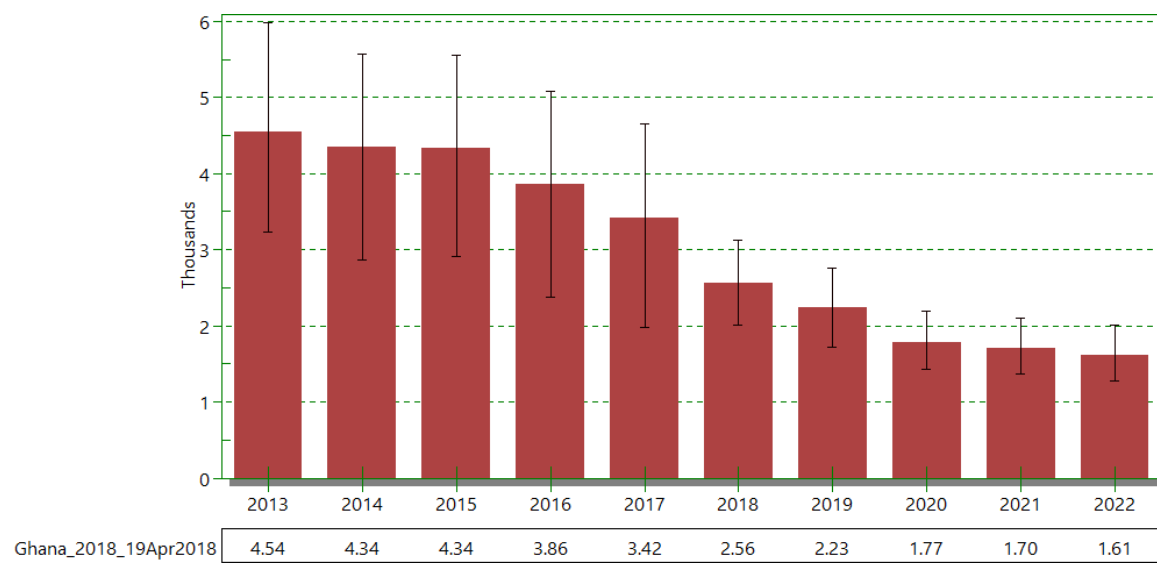


Figure 14: New HIV Infections (15-24 Years)

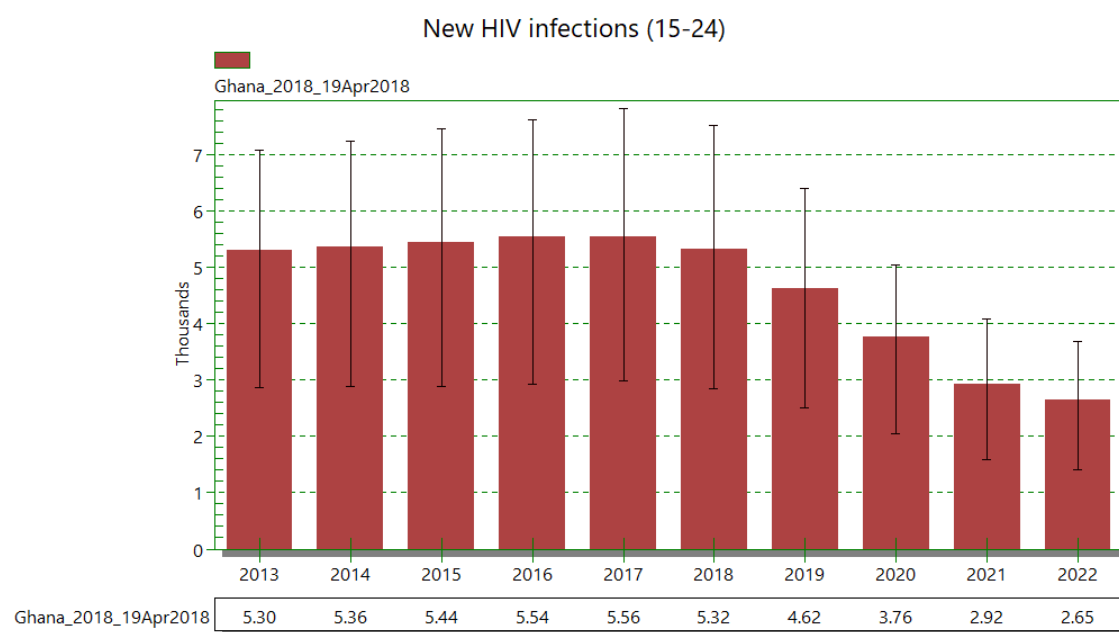


Figure 15 New HIV Infections (1-4 Years)

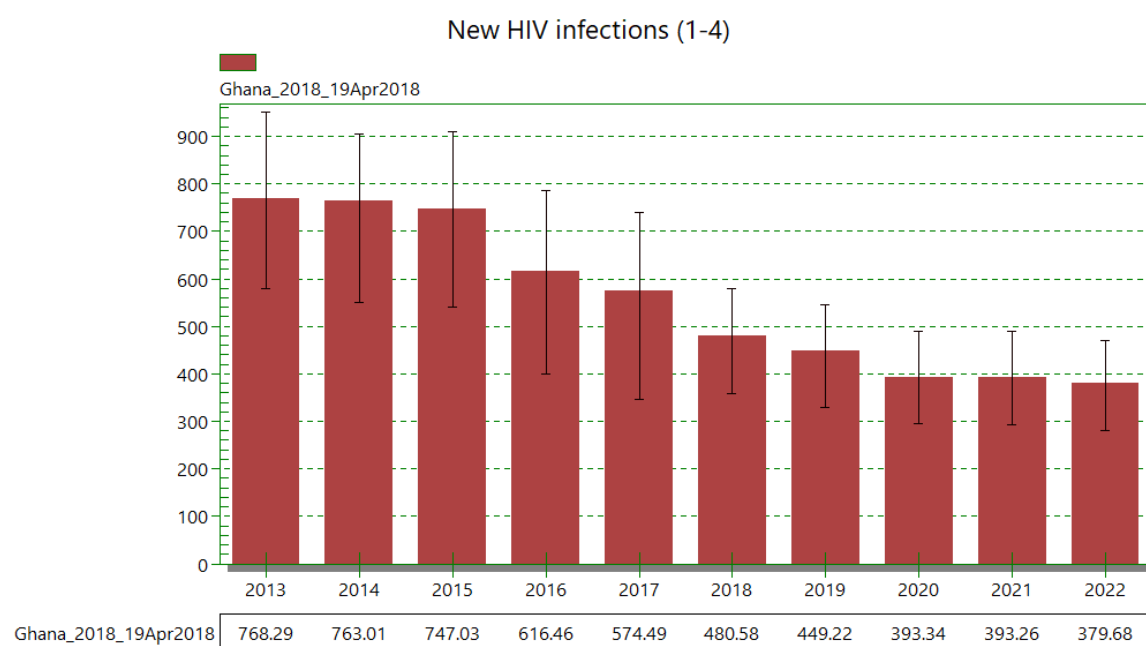
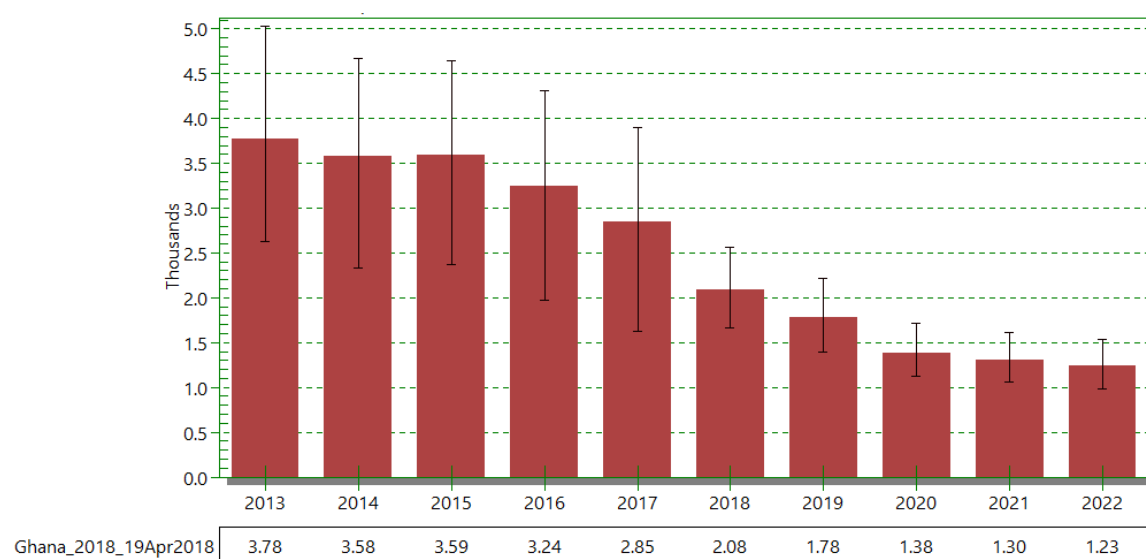


Figure 16: New Infant HIV Infections



4.4.4 Annual AIDS Deaths

Cumulative AIDS deaths for 2013 and 2022 are 381,920 and 486,683 respectively. Annual deaths are projected to decline from 16,891 in 2013 to 5,084 2022 (69.90% decline). This trend is replicated in all the age groups for the period. See figures 17, 18, 19 and 20 respectively.

Figure 17: Cumulative AIDS Deaths

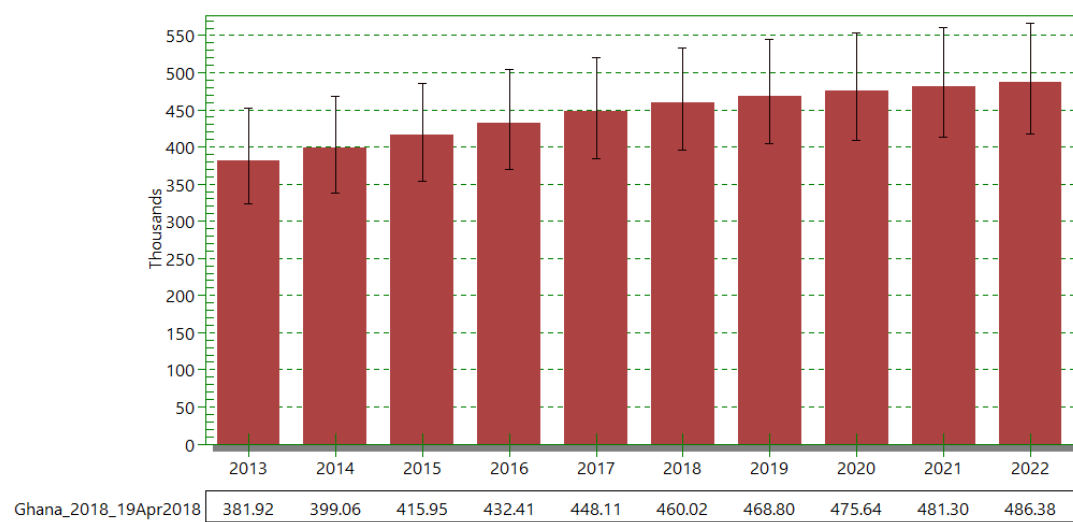


Figure 18: Annual AIDS Deaths (15-49 Years)

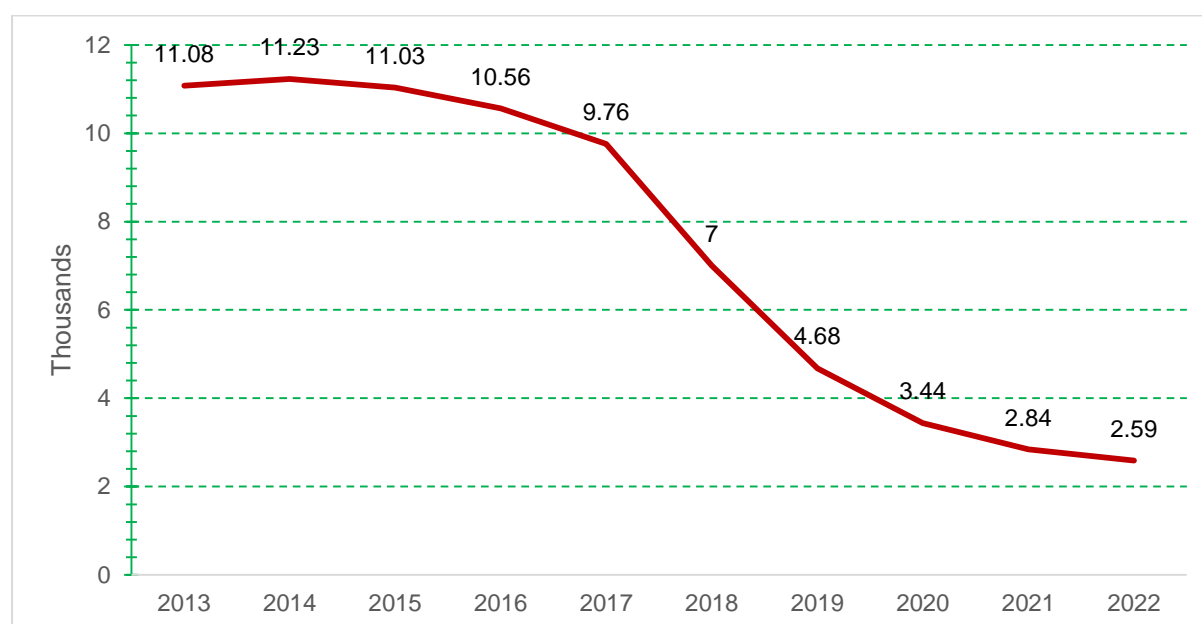


Figure 19: AIDS Deaths among Pregnant Women (15-49 Years)

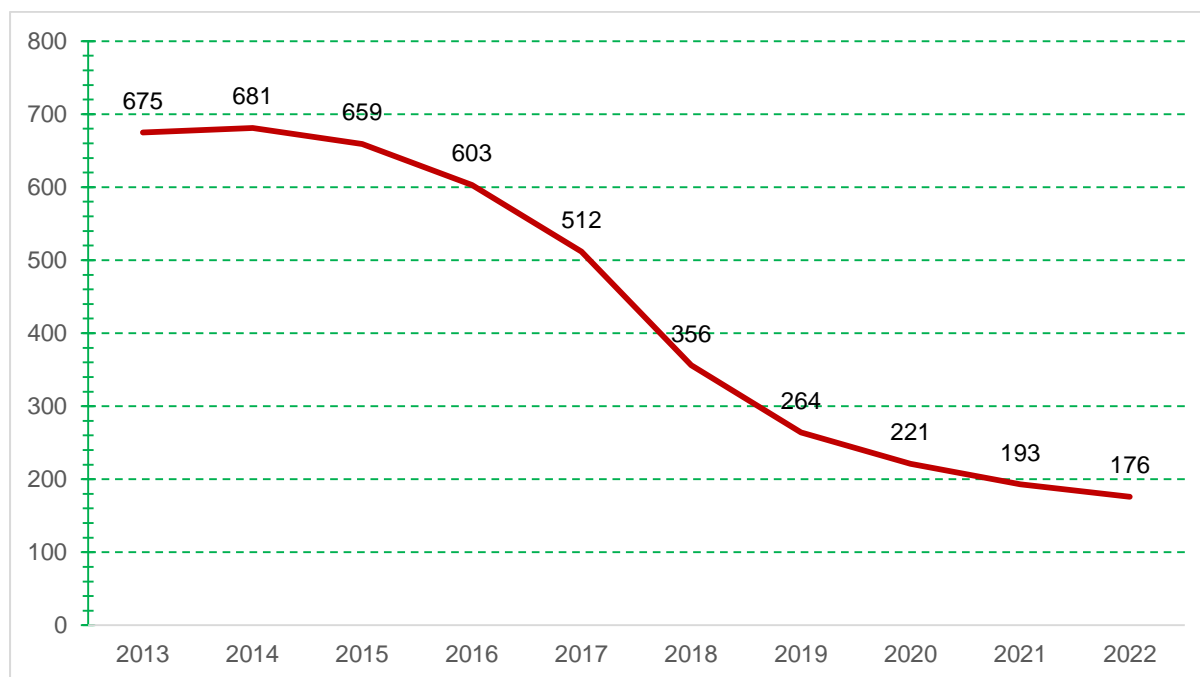
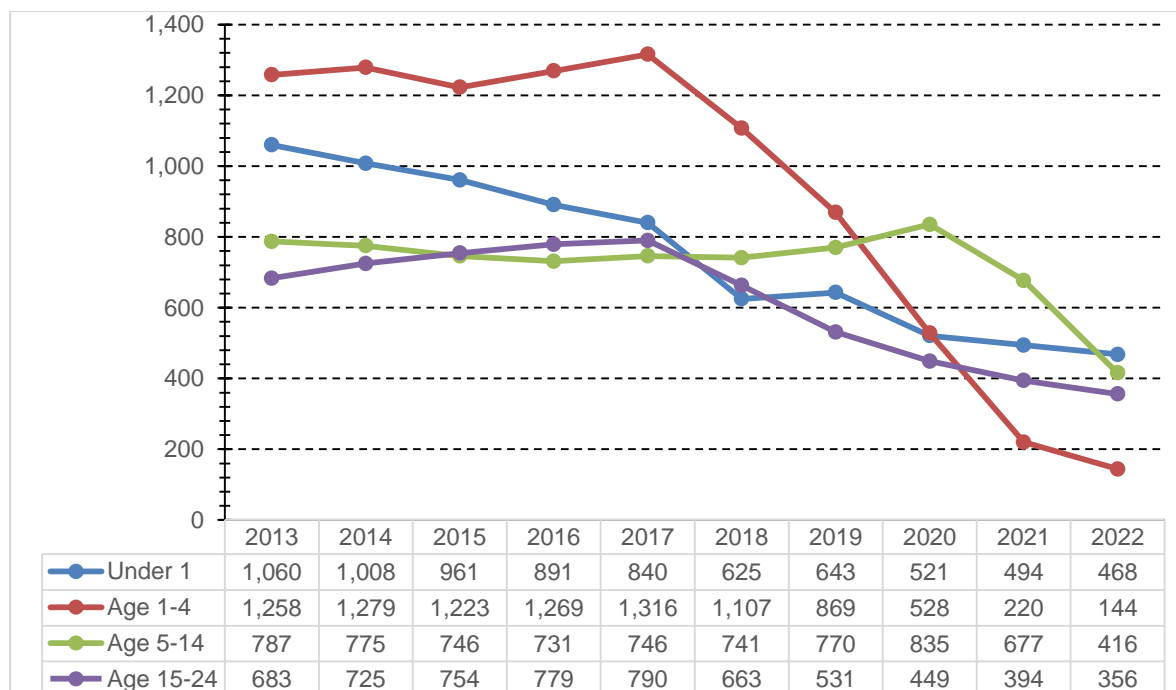
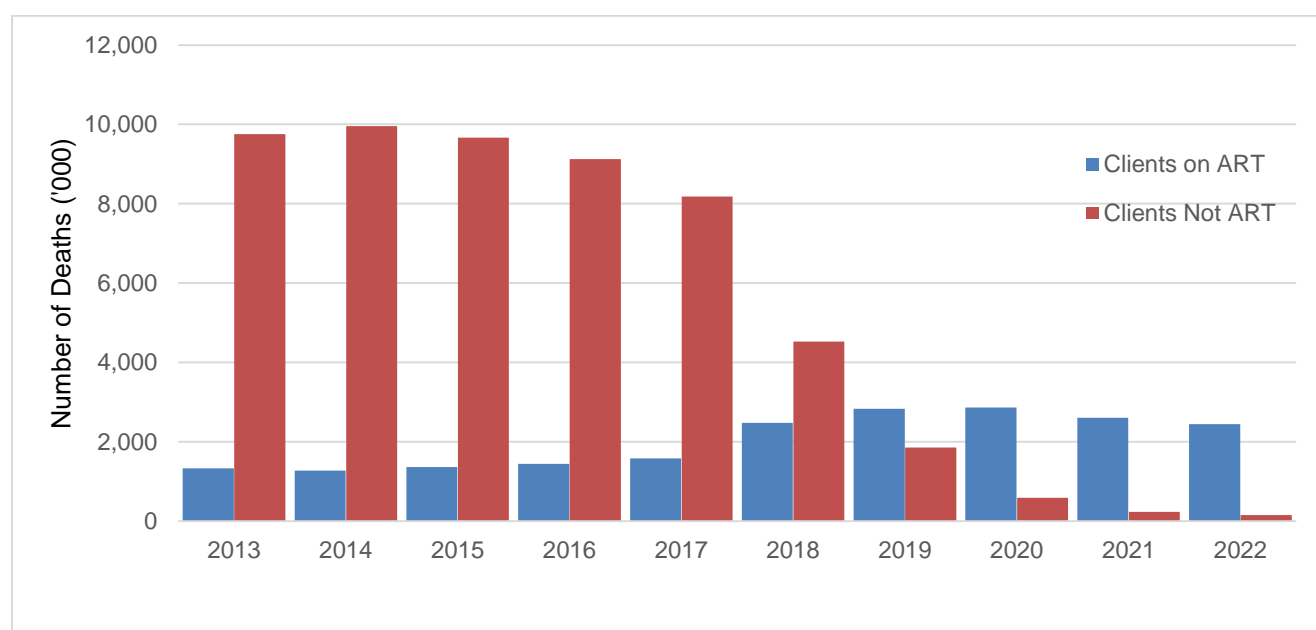


Figure 20: Annual AIDS Deaths in Children and Adolescents



Death is more likely to occur amongst clients who are not on ART than those on ART. This is shown clearly in Figure 21 where the projected annual number of deaths of clients on ART is relatively far lower than those not on ART for the period 2013 to 2018. From 2019 to 2022, the reverse is true: it is projected that deaths among clients not on ART will be fewer than those on ART. This could be due to the projected significant increase in ART coverage.

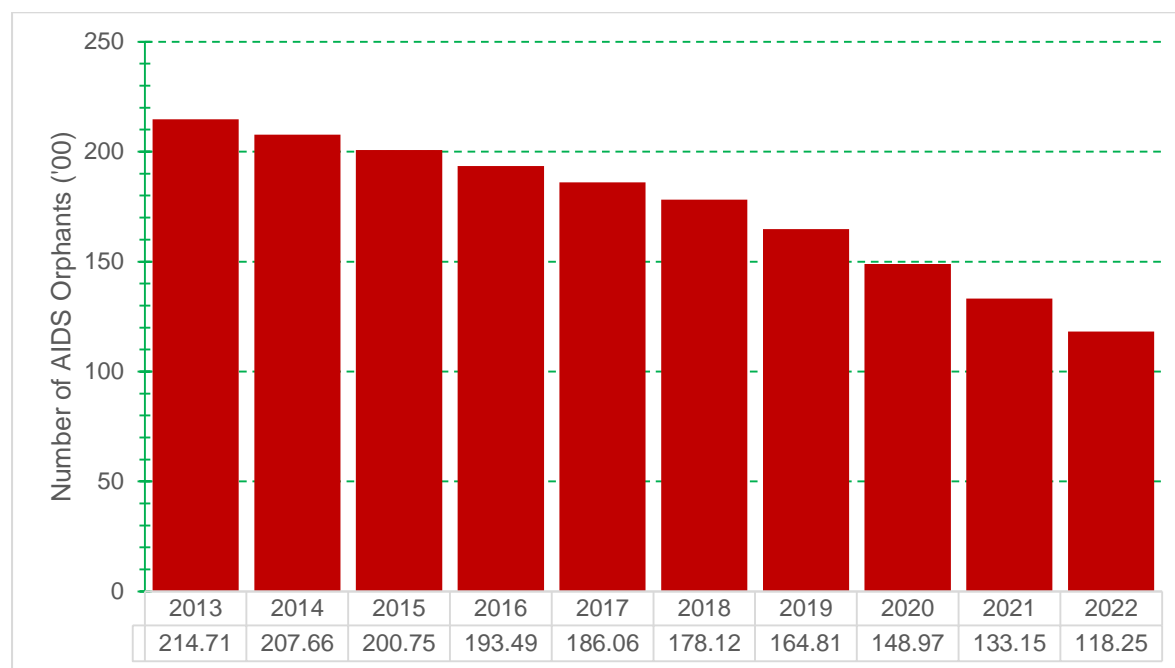
Figure 21: Annual AIDS Deaths for Clients on ART and Clients not on ART (15-49)



4.4.5 AIDS Orphans

Number of AIDS orphans is expected to decline from 214,804 in 2013 to 118,527 in 2022 due to the combined effects of ART and PMTCT as shown in Figure 22.

Figure 22: AIDS Orphans



4.4.6 ART Coverage

In 2016, Ghana has adopted the “Treat-All” policy which makes every PLHIV eligible for treatment and this is expected to increase PLHIV on ART. ART coverage of adults 15+ in 2016 is 33.88% and this is expected to hit 90.00% in 2020. This increase is expected to be seen across all age groups for the entire period. See figures 23, 24, 25 and 26.

Figure 23: ART Coverage of all HIV+ Adults (15 years and above)

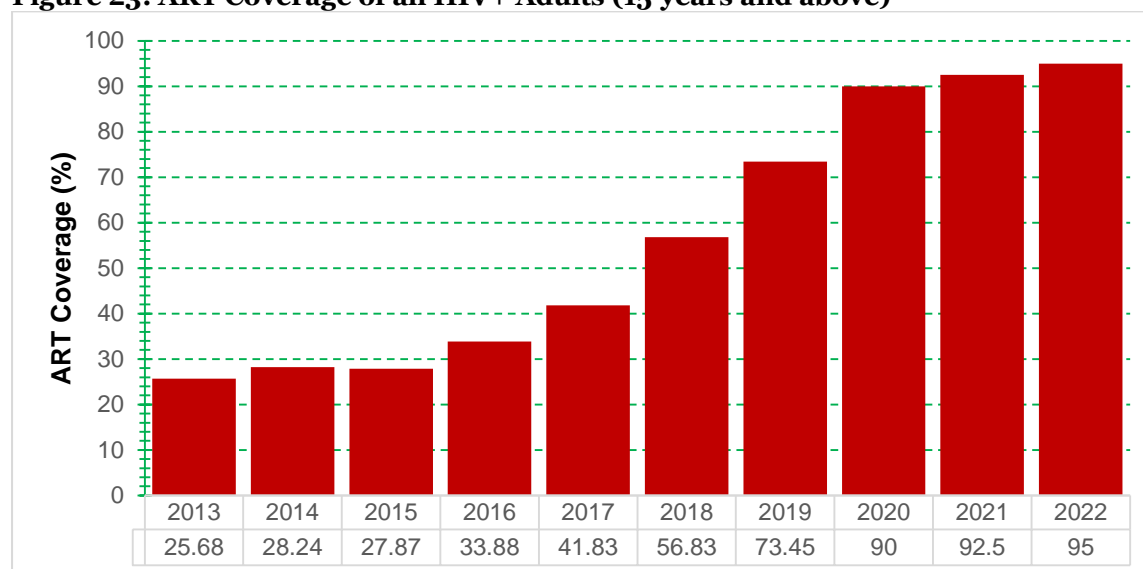
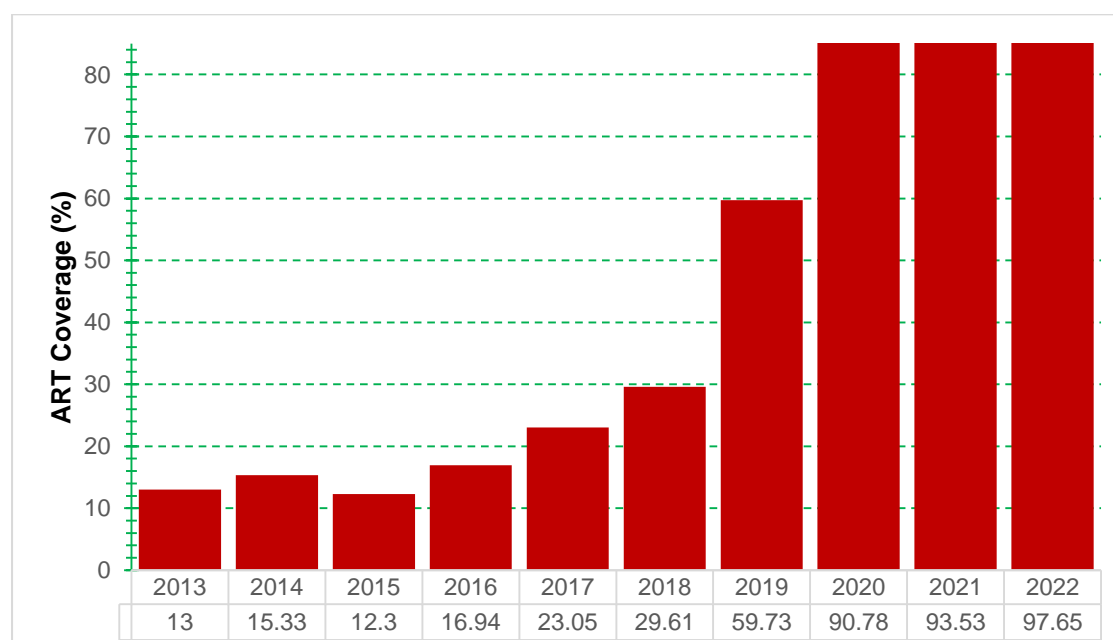


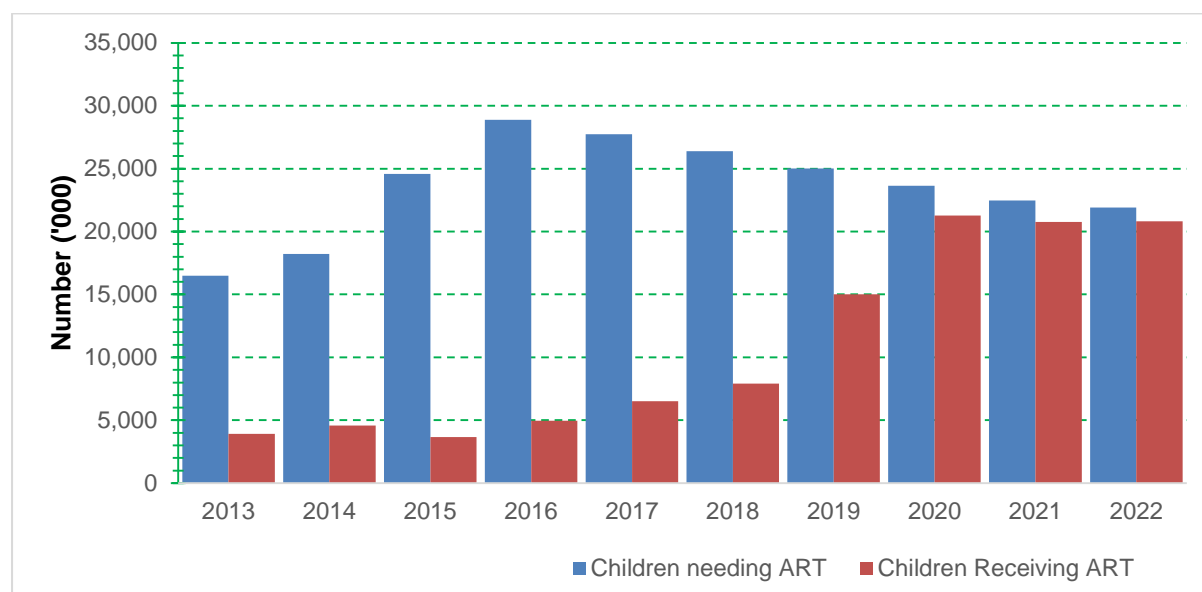
Figure 24: ART Coverage of All HIV+ Children (0-14)



4.4.7 ART and Co-trimoxazole

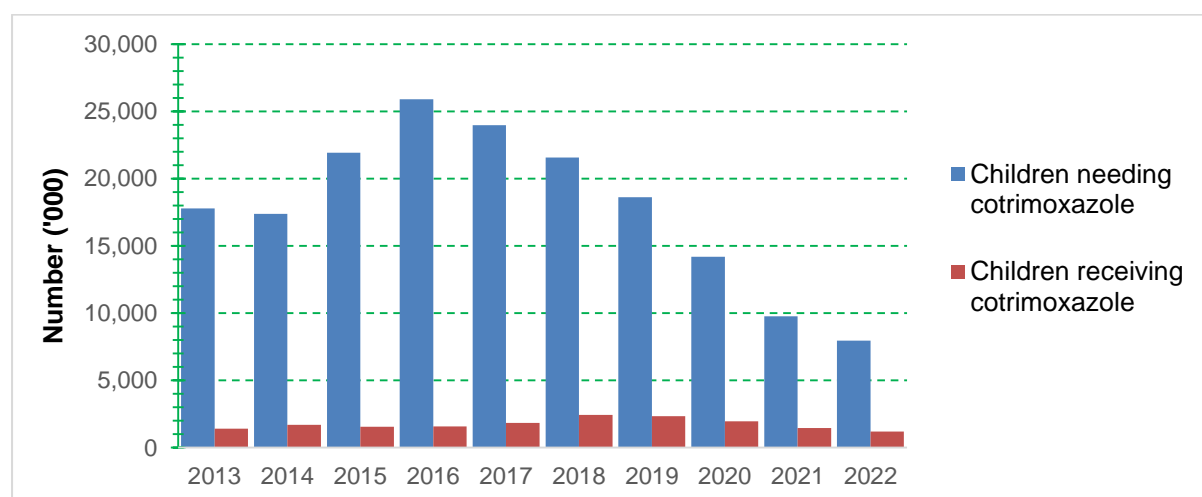
The number of children (0-14) needing ART is estimated to rise from 16,484 in 2013 to a peak of 28,872 and eventually decline to 21,921 in 2022. However, it is estimated that there will be a consistent rise in the children receiving ART from 3,907 in 2013 to 20,825 in 2022. Hence the unmet need is expected to shrink over time.

Figure 25: Children 0-14 Needing and Receiving ART



Even though there is a projected decline in the number of children needing cotrimoxazole, those receiving the treatment from the projection remains virtually unchanged and this is expected to result in high unmet need.

Figure 26: Children 0-14 years Needing and Receiving Cotrimoxazole



4.4.8 Prevention of Mother-to-Child Transmission of HIV

The unmet need for PMTCT is projected to reduce gradually so that there will be no unmet need from 2020 onward. This is because most mothers are projected to receive PMTCT services as displayed in figure 27.

Figure 27: Mothers Needing and Receiving PMTCT

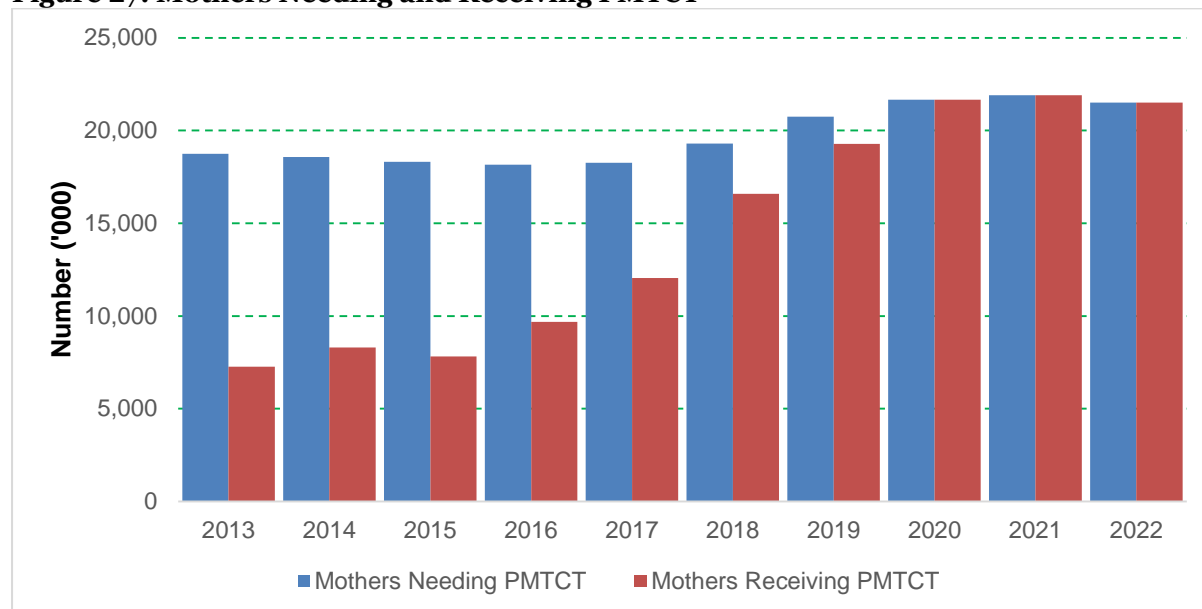
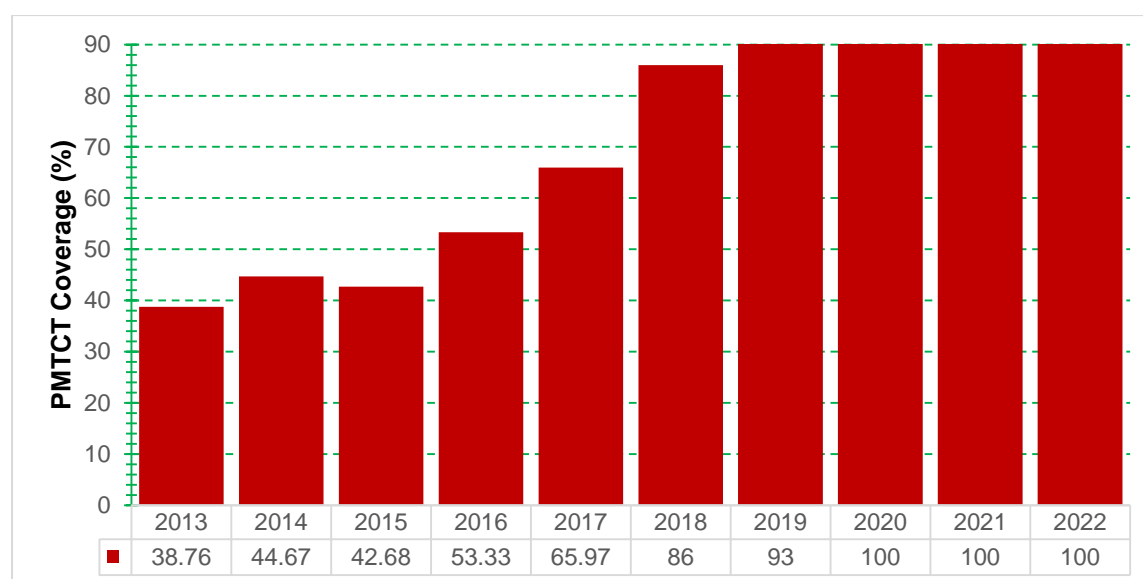


Figure 28 PMTCT Coverage



4.4.9 Impact of ART and PMTCT

Number of new infections due to mother-to-child transmission will decline gradually from 4,544 in 2013 to 1,614 in 2022, while deaths averted by ART are projected to increase from 7,730 in 2013 to 14,446 in 2022. See Figures 29 and 30.

Figure 29 Number of New Infections Due to Mother-to-Child Transmission

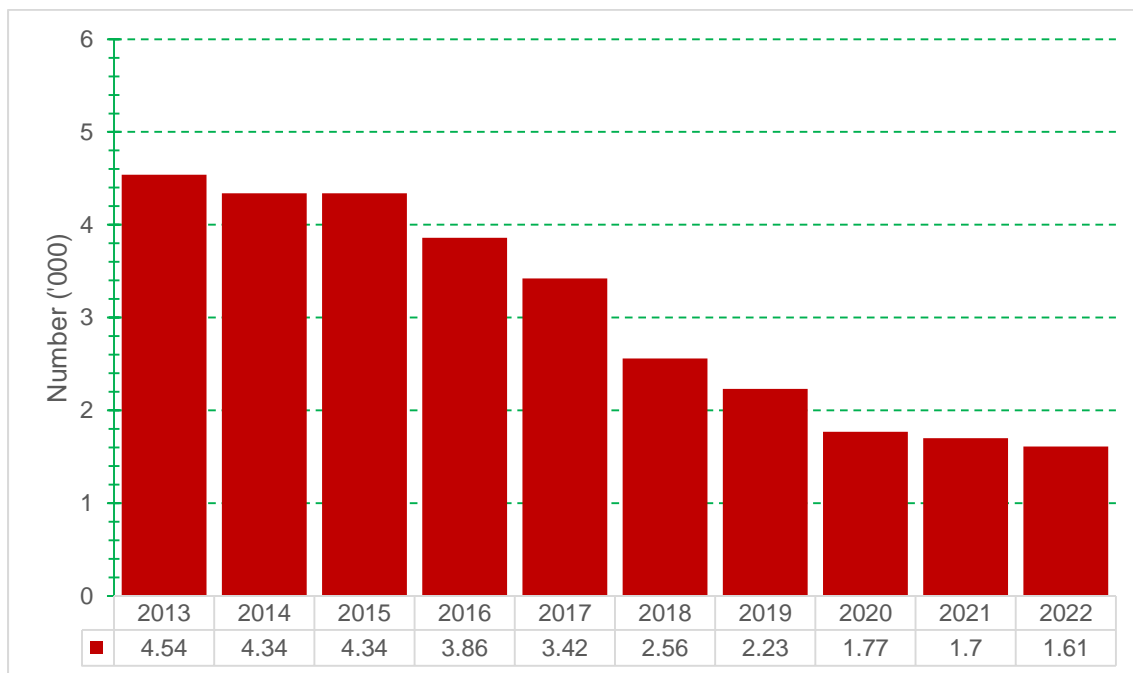
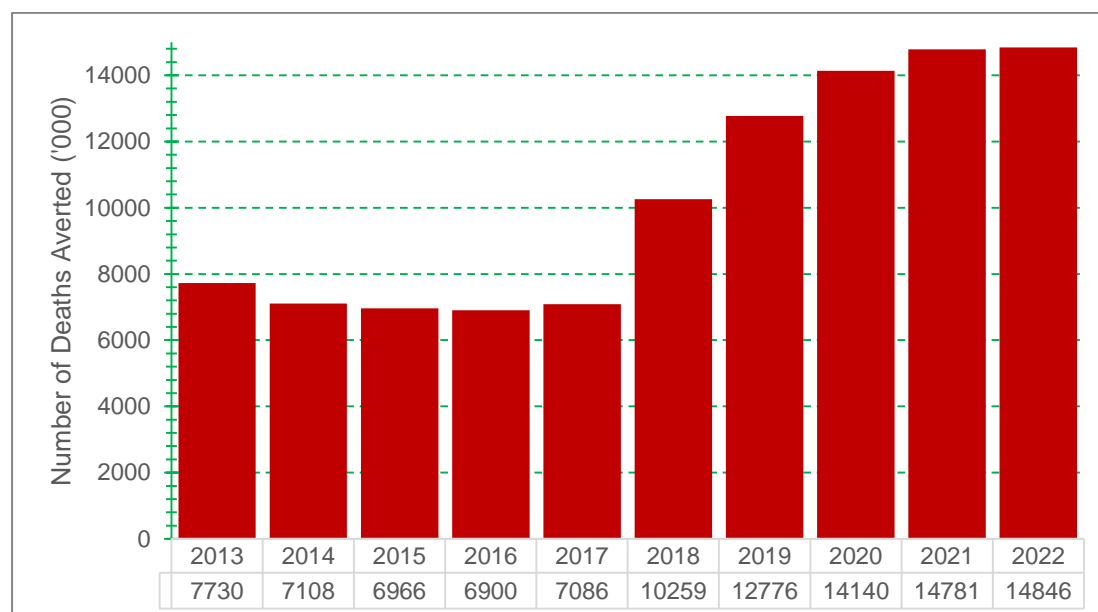
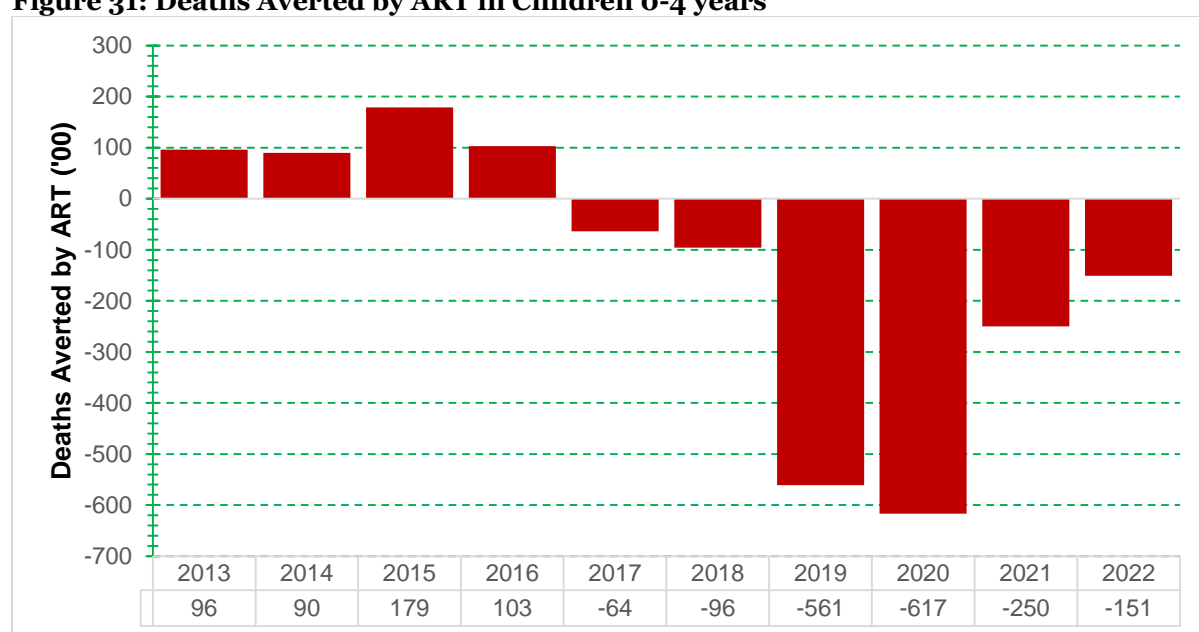


Figure 30: Deaths Averted by ART (ALL)



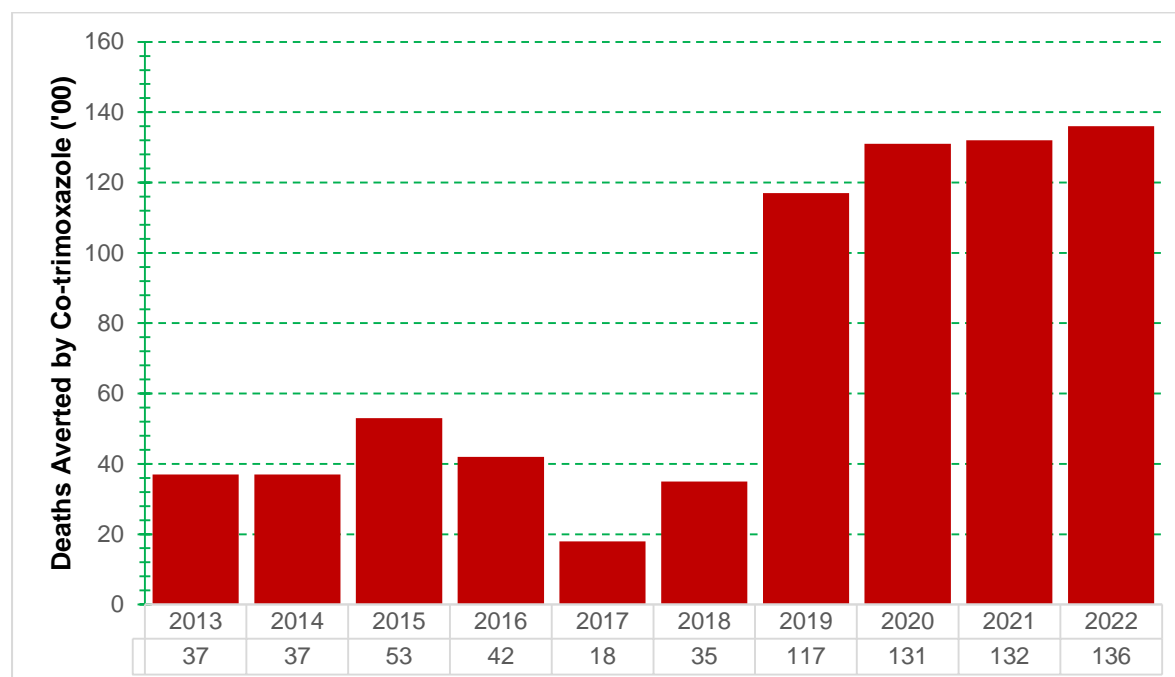
Deaths averted by ART in children are projected to increase from 37 in 2013 to 136 in 2022. The expected increment in death to be averted by ART and Co-trimoxazole post 2015 will largely be due to improved PMTCT and paediatric ART coverage and interventions following the implementation of new WHO recommendations.

Figure 31: Deaths Averted by ART in Children 0-4 years



Deaths averted by co-trimoxazole in children are projected to increase from 37 in 2013 to 136 in 2022. The expected increment in death to be averted by Co-trimoxazole post 2015 will largely be due to improved PMTCT and paediatric ART coverage and interventions following the implementation of new WHO recommendations.

Figure 32: Deaths Averted by Co-trimoxazole in Children 0-4 years



In general, there is an estimated increase in deaths averted by PMTCT in children (0-4 years) from 908 in 2013 to 2,531 in 2022 with a peak in 2020 (2,638). A similar trend is shown in new infections reaching its peak in 2021 (3,842).

Figure 33: Deaths averted by PMTCT in Children 0-4 Years

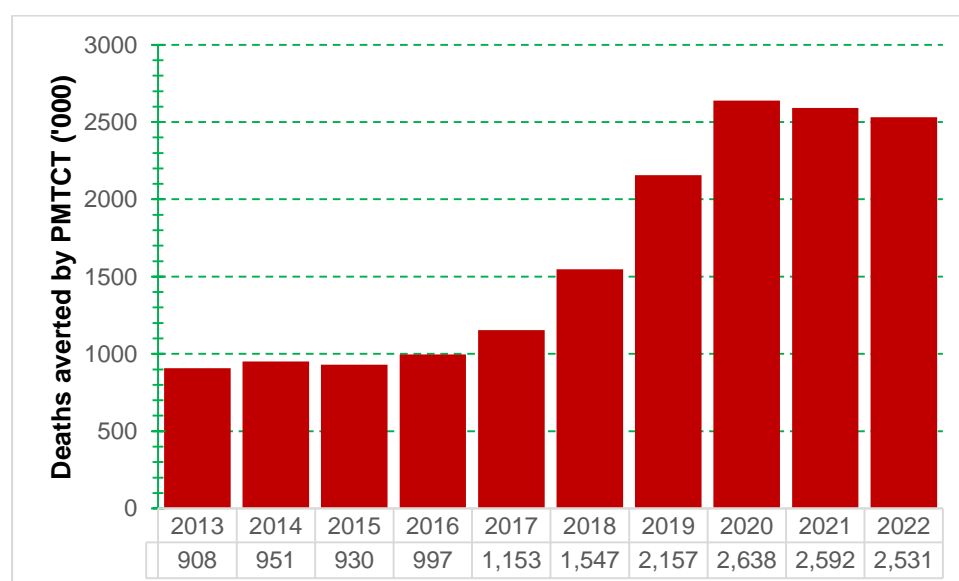
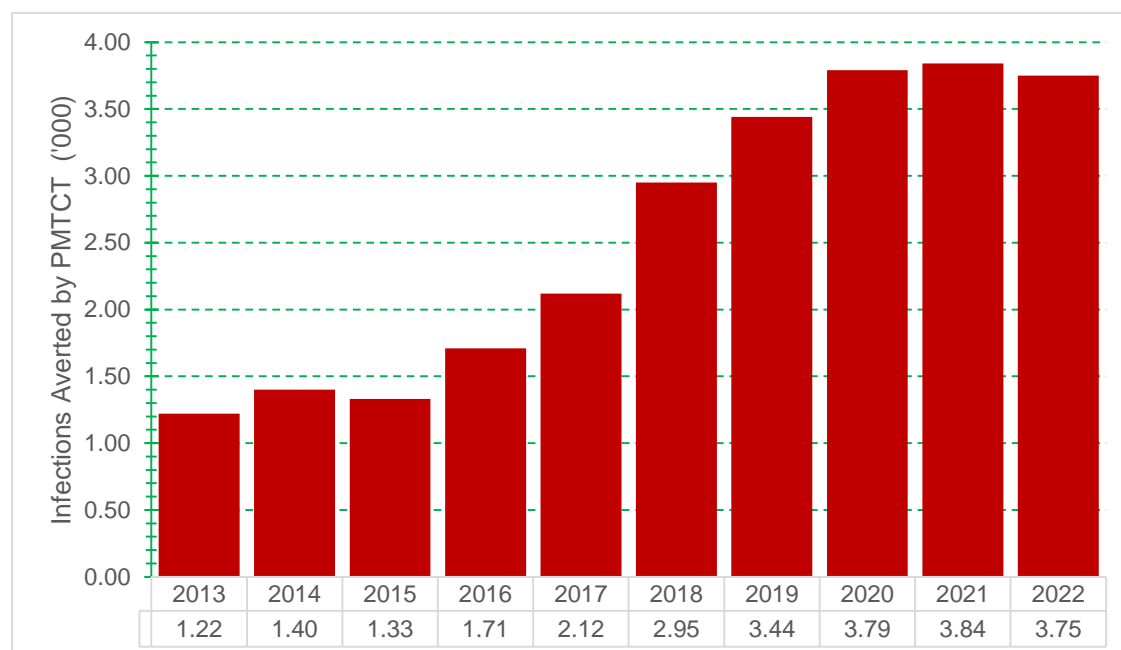


Figure 34: Infections Averted by PMTCT



As displayed in figure 41, Life-years gained due to ART and PMTCT is projected to increase progressively to 2022.

Figure 35: Life Years Gained by ART and PMTCT

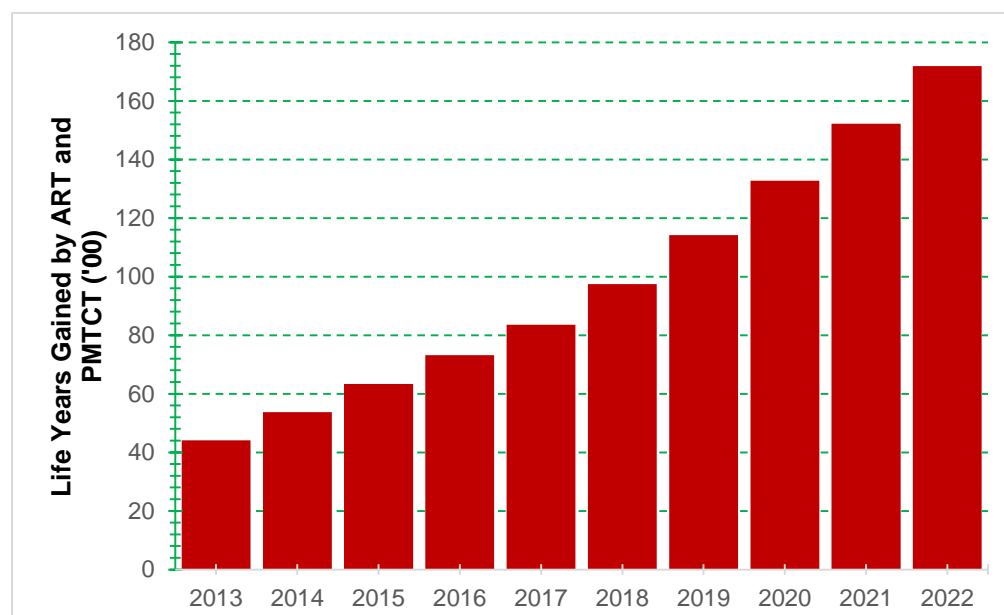


Table 7: Summary of HIV Population

HIV/AIDS summary						
	2017	2018	2019	2020	2021	2022
HIV population						
Total	313,063	316,613	320,992	324,417	326,540	328,364
Male	109,163	108,506	108,823	109,309	109,582	109,825
Female	203,900	208,108	212,169	215,108	216,958	218,539
Prevalence (15-49)	1.67	1.64	1.62	1.59	1.55	1.51
New HIV infections						
Total	19,101	17,649	15,400	12,553	10,112	9,275
Male	7,126	6,491	5,670	4,618	3,770	3,471
Female	11,975	11,158	9,731	7,935	6,342	5,803
Annual AIDS deaths						
Total	15,694	11,908	8,780	6,840	5,663	5,084
Male	7,698	6,168	4,361	3,126	2,476	2,185
Female	7,996	5,740	4,419	3,714	3,188	2,899

Approximately 65% of HIV population is female with a male to female ratio of 1: 1.9 as shown in Table 7 above. On the other hand, the proportion of females newly infected is averagely 63%. Furthermore, annual female deaths were higher than males (51%) in 2017.

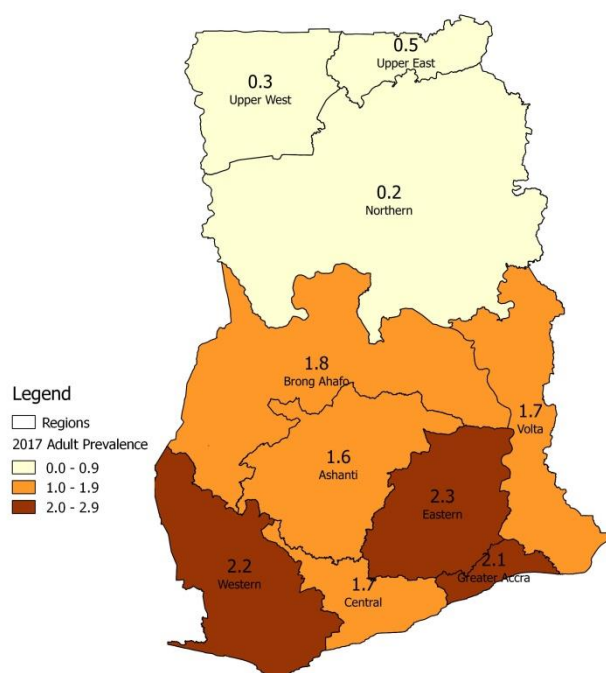
Table 8: Trends in Projected HIV Incidence, AIDS Mortality and ART Needs

	2017	2018	2019	2020	2021	2022
New HIV Infections Children 0-14	3,422	2,564	2,232	1,773	1,698	1,614
New HIV Infections 15-24	5,557	5,321	4,621	3,761	2,920	2,646
New HIV Infections 15-49	14,620	14,054	12,260	10,031	7,822	7,115
New HIV Infections 15+	15,678	15,085	13,169	10,780	8,414	7,660
Annual AIDS deaths Children 0-14	2,902	2,473	2,282	1,884	1,391	1,028
Annual AIDS Deaths 15-24	790	663	531	449	394	356
Annual AIDS Deaths 15-49	9,756	6,999	4,679	3,445	2,839	2,592
Annual AIDS Deaths 15+	12,792	9,435	6,498	4,956	4,273	4,055
Children needing Co- trimoxazole 0-14 (Dec 31)	23,968	21,571	18,612	14,183	9,770	7,961
Mothers needing PMTCT	18,263	19,296	20,740	21,660	21,904	21,512

4.4 Sub-National Estimates Results

Figure 36 shows that the estimated adult (15 - 49 years) HIV prevalence at the Regional level ranges from a low of 0.2% in Northern Region to the highest of 2.3% in the Eastern Region. Western and Greater Accra recorded 2.2% and 2.1% respectively. Upper East and Upper West show a prevalence of less than 1%.

Figure 36. Map Showing Regional Adult (15 - 49 years) HIV prevalence



4.4.1 Regional HIV Prevalence for Age groups (0-14; 15-24 and 15+)

Among the age group 0–14, Greater Accra region has the highest prevalence of 0.5%. Western, Eastern, Brong Ahafo, and Ashanti regions accounted for the second highest prevalence of 0.3% each whilst Northern Region has the lowest prevalence of 0.03%.

Eastern, Greater Accra and Western Regions have the highest HIV prevalence for the age group 15–24 years with 0.8% each. For the age group 15 years and older, Western Region recorded the highest HIV prevalence of 2.2% with the lowest being Northern Region recording 0.2%. See Table 9.

Table 9: Regional HIV Prevalence for Age groups: 0-14; 15-24 and 15+

Region	Prevalence among Age Group (years)		
	0-14	15-24	15+
Ashanti	0.3%	0.6%	1.5%
Brong Ahafo	0.3%	0.6%	1.8%
Central	0.2%	0.6%	1.6%
Eastern	0.3%	0.8%	2.1%
Greater Accra	0.5%	0.8%	2.1%
Northern	0.03%	0.1%	0.2%
Upper East	0.1%	0.2%	0.4%
Upper West	0.04%	0.1%	0.3%
Volta	0.2%	0.6%	1.6%
Western	0.3%	0.8%	2.2%

Detailed prevalence for all the Districts is shown in Table 37 to Table 40 in the annex.

4.4.2 Regional Distribution of HIV Population

The regional distribution of HIV population is as shown in Table 10 below. Greater Accra with the highest population of 73,556 constituting 23.5%. Upper West has the lowest number of people living with HIV constituting 0.5%.

Table 10. Regional Distribution of HIV population, 2017

Region	Male	Female	Total	
			Number	Percent
Ashanti	20,219	37,765	57,984	18.5
Brong Ahafo	10,951	20,455	31,406	10
Central	9,246	17,271	26,518	8.5
Eastern	15,491	28,935	44,425	14.2
Greater Accra	25,648	47,907	73,556	23.5
Northern	1,495	2,792	4,287	1.4
Upper East	1,215	2,269	3,484	1.1
Upper West	551	1,029	1,581	0.5
Volta	9,211	17,205	26,416	8.4
Western	15,136	28,271	43,406	13.9
Total	109,163	203,900	313,063	100.0

4.4.3 Age Distribution of HIV Population by Region

Table 11 below shows the age distribution of HIV population by Region. For the year group, 15 years and older, Greater Accra and Ashanti Regions have the highest number of people living with HIV whilst Upper East and Upper West have the lowest.

Greater Accra and Ashanti Regions have the highest number of people living with HIV for the 15-24 year group whilst Upper East and Upper West have the lowest.

Among the year group 15-49, the HIV population follows the same trend as the year groups described above: Ashanti and Greater Accra Regions recorded the highest whilst Upper West and Northern Regions have the lowest.

Table 11. Distribution of HIV Population by region and age group

Region	HIV Population among Age Group (years)			
	0-14	15-24	15 - 49	15+
Ashanti	5,224	6,259	44,630	52,760
Brong Ahafo	2,829	3,390	24,174	28,577
Central	2,389	2,862	20,410	24,129
Eastern	4,002	4,795	34,194	40,423
Greater Accra	6,626	7,940	56,616	66,930
Northern	386	463	3,300	3,901
Upper East	314	376	2,682	3,170
Upper West	142	171	1,216	1,438
Volta	2,380	2,851	20,332	24,036
Western	3,910	4,685	33,410	39,496
Total	28,202	33,792	240,964	284,860

4.4.4 Regional Distribution of New HIV Infections by Age

Greater Accra and Ashanti Regions recorded the highest new HIV infections whilst Upper West has the least. Table 12 show detailed regional distribution of new HIV infections by the various age groups.

Table 12 Regional Distribution of New HIV Infections by Age

Region	Male	Female	Total	
			Number	Percent
Ashanti	1,320	2,218	3538	18.5
Brong Ahafo	715	1201	1916	10
Central	604	1014	1618	8.5
Eastern	1,011	1699	2711	14.2
Greater Accra	1674	2814	4488	23.5
Northern	98	164	262	1.4
Upper East	79	133	213	1.1
Upper West	36	60	96	0.5
Volta	601	1011	1612	8.4
Western	988	1660	2648	13.9
Total	7126	11976	19101	100.0

4.4.5 Annual AIDS Deaths

Table 13 below show the Regional distribution of annual AIDS death. The highest number of AIDS deaths is recorded in the Greater Accra Region (11.7%) with the lowest occurring in Upper West (0.3%).

Table 13. Annual AIDS Deaths

Region	Male	Female	Total	
			Number	Percent
Ashanti	1,426	1,481	2,907	9.3
Brong Ahafo	772	802	1,574	5
Central	652	677	1,329	4.2
Eastern	1,092	1,135	2,227	7.1
Greater Accra	1,809	1,879	3,687	11.7
Northern	105	109	215	0.7
Upper East	86	89	175	0.6
Upper West	39	40	79	0.3
Volta	650	675	1,324	4.2
Western	1,067	1,109	2,176	6.9
Total	7,698	7,996	15,694	100.0

4.5 District level estimates

This section provides information on HIV indicators such as Prevalence, HIV Population, New Infections and Annual AIDS deaths by using excel allocation method for all the 216 districts.

The prevalence among the Districts ranges from low rate of 0.00% in Karaga District to as high as 5.64% in Lower Manya Krobo Municipal. Tables 15, 16 and 17 below show the prevalence in the Districts for the prevalence less than 1.00%, from 1.00% to less than 2.00% and greater than 2.00% respectively.

It is critical to note that Districts in Table 14 that have prevalence of more than 2.00% calls for the urgent need to scale up focused interventions in order to stem the tide.

Table 14. Districts with Prevalence 2.00% and above

No	District	HIV Prevalence	No	District	HIV Prevalence
1	Sefwi Akontombra	2.00	34	Dormaa Central Municipal	2.60
2	Jaman North	2.04	35	Atebubu Amantin	2.64
3	South Dayi	2.05	36	Techiman Municipal	2.65
4	Ahanta West	2.05	37	Sekondi Takoradi Metropolis	2.65
5	Komenda-Edina-Eguafo-Abirem Municipal	2.07	38	Upper Denkyira East Municipal	2.67
6	East Akim Municipal	2.12	39	Berekum Municipal	2.70
7	Atiwa	2.13	40	Ningo Prampram	2.71
8	Effutu Municipal	2.14	41	Dormaa West	2.73
9	Jasikan	2.14	42	Birim North	2.74
10	Sefwi Bibiani-Ahwiaso Bekwai	2.14	43	Wassa Amenfi East	2.75
11	Obuasi Municipal	2.20	44	Bia East	2.87
12	Central Tongu	2.21	45	Asokore Mampong Municipal	2.92
13	Amansie Central	2.22	46	Denkyembuor	2.97
14	Ashaiman Municipal	2.24	47	Kwahu South	2.98
15	Kpando Municipal	2.24	48	Aowin	3.20
16	Upper Manya Krobo	2.26	49	Upper Denkyira West	3.30
17	Dormaa East	2.29	50	Asutifi South	3.37
18	Kwahu East	2.29	51	Ada West	3.45
19	Ejisu Juaben Municipal	2.30	52	Akwapim North	3.48
20	Assin North Municipal	2.30	53	Agona East	3.53
21	Ada East	2.30	54	Asuogyaman	4.20
22	Ketu South	2.33	55	Ellembelle	4.57
23	Krachi West	2.34	56	North Tongu	4.72
24	Accra Metropolis	2.35	57	Yilo Krobo Municipal	4.97
25	Kwahu Afram Plains North	2.36	58	Sefwi Wiawso	5.13
26	Tema Metropolis	2.36	59	Lower Manya krobo Municipal	5.64
27	Ketu North	2.36			
28	Asutifi North	2.37			
29	Sunyani Municipal	2.40			
30	Kwaebibirem	2.48			
31	Asante Akim Central Municipal	2.49			
32	Shai Osudoku	2.50			
33	Mampong Municipal	2.60			

Table 15. Districts with Prevalence from 1.00% to 1.99%

No.	District	HIV Prevalence	No.	District	HIV Prevalence
1	Amansie West	1.01	44	Banda	1.57
2	Upper West Akim	1.01	45	Agotime-Ziope	1.57
3	Builsa South	1.01	46	South Tongu	1.57
4	Techiman North	1.05	47	West Akim Municipal	1.58
5	Suaman	1.06	48	Twifo Ati Morkwa	1.59
6	Birim South	1.07	49	Ewutu Senya	1.63
7	Wassa East	1.10	50	La Dadekotopon Municipal	1.63
8	Mfantiman	1.11	51	Bosumtwi	1.64
9	Asante Akim South	1.12	52	Abura-Asebu-Kwamankese	1.65
10	Atwima Mponua	1.12	53	Ekumfi	1.65
11	Atwima Kwanwoma	1.14	54	Ga South Municipal	1.66
12	Agona West Municipal	1.15	55	Sunyani West	1.67
13	Twifo Heman Lower Denkyira	1.15	56	Birim Municipal	1.68
14	East Gonja	1.20	57	Nsawam Adoagyiri Municipal	1.68
15	Cape Coast Metropolis	1.21	58	Akatsi South	1.68
16	Asunafo South	1.24	59	Sekyere Central	1.71
17	Tano North	1.24	60	Biakoye	1.73
18	Keta Municipal	1.24	61	Bia west	1.73
19	Prestea/Huni Valley	1.26	62	Jaman South	1.74
20	Sekyere Afram Plains North	1.27	63	Asante Akim North	1.75
21	Tain	1.31	64	Awutu Senya East Municipal	1.77
22	Ahafo Ano North	1.34	65	Ga West Municipal	1.77
23	Ahafo Ano South	1.35	66	Asunafo North Municipal	1.78
24	Afadzato South	1.36	67	Hohoe Municipal	1.78
25	Kwahu West Municipal	1.38	68	North Dayi	1.78
26	Kumasi Metropolis	1.41	69	Akwapim South	1.81
27	Ho Municipal	1.41	70	Wassa Amenfi West	1.83
28	Tano South	1.42	71	Ledzokuku Krowor Municipal	1.84
29	Gomoa West	1.43	72	Sekyere Kumewu	1.85
30	Jomoro	1.43	73	La Nkwantanang-Madina Municipal	1.86
31	Ga East Municipal	1.45	74	Ajumako-Enyan-Essiam	1.87
32	Juabeso	1.45	75	Ayensuano	1.87
33	Sekyere South	1.46	76	Fanteakwa	1.89
34	Sekyere East	1.50	77	Ho West	1.90
35	Afigya Kwabre	1.51	78	Atwima Nwabiagya	1.92
36	Offinso North	1.51	79	Akatsi North	1.92
37	Suhum Municipal	1.52	80	New Juaben Municipal	1.94
38	Tarkwa Nsuaem Municipal	1.52	81	Gomoa East	1.97
39	Bekwai Municipal	1.54	82	Kwahu Afram Plains South	1.98
40	Kintampo North Municipal	1.55	83	Adaklu	1.98
41	Bodi	1.55	84	Wenchi Municipal	1.99
42	Nkoranza South	1.56			
43	Kpone Katamanso	1.56			

Table 16. Districts with Prevalence less than 1.00%

No.	District	HIV Prevalence	No.	District	HIV Prevalence
1	Karaga	0.00	40	Binduri	0.53
2	Gushiegu	0.02	41	Kasena Nankana West	0.53
3	Mion	0.03	42	Nabdam	0.54
4	Tatale Sanguli	0.03	43	Lawra	0.56
5	Tolon	0.05	44	Bunkpurugu Yunyoo	0.60
6	Saboba	0.06	45	Talensi	0.62
7	Savelugu-Nanton	0.07	46	Bongo	0.64
8	Kpandai	0.08	47	Kasena Nankana East	0.64
9	East Mamprusi	0.09	48	Daffiama Bussie	0.66
10	Nanumba North	0.09	49	Bolgatanga Municipal	0.68
11	West Mamprusi	0.09	50	Assin South	0.70
12	Kumbungu	0.10	51	Kadjebi	0.70
13	Lambussie Karni	0.10	52	Bole	0.72
14	Gonja Central	0.11	53	Shama	0.72
15	Wa East	0.12	54	West Gonja	0.75
16	Garu Tempene	0.13	55	Pru	0.78
17	Nanumba South	0.14	56	Adenta Municipal	0.78
18	Sagnerigu Municipal	0.14	57	Krachi Nchumuru	0.78
19	Zabzugu	0.16	58	Builsa North	0.79
20	Yendi Municipal	0.17	59	Wassa Amenfi Central	0.79
21	Jirapa	0.17	60	Ejura Sekye Dumasi	0.80
22	Bawku West	0.18	61	Nkoranza North	0.81
23	Sissala East	0.18	62	Akyemansa	0.83
24	Chereponi	0.19	63	Krachi East	0.87
25	North Gonja	0.20	64	Adansi North	0.89
26	Nandom	0.20	65	Nkwanta South	0.89
27	Sissala West	0.20	66	Nzema East	0.89
28	Mamprugu Moagduri	0.21	67	Kwabre East	0.91
29	Pusiga	0.22	68	Asikuma-Odoben Brakwa	0.92
30	Mpohor	0.27	69	Adansi South	0.93
31	Bawku Municipal	0.28	70	Kintampo South	0.94
32	Tamale Metropolis	0.33	71	Offinso Municipal	0.95
33	Wa West	0.41	72	Bosome Freho	0.97
34	Sawla-Tuna-Kalba	0.46	73	Ga Central Municipal	0.98
35	Nadowli-Kaleo	0.46			
36	Sene West	0.47			
37	Sene East	0.49			
38	Nkwanta North	0.51			
39	Wa Municipal	0.52			

5.0 CONCLUSION

The 2017 - 2022 estimates results projects HIV prevalence to reduce from 1.67% to 1.51%. Also, new infections and AIDS-related deaths are projected to decrease within the same period due to increased uptake of ART services. This reduction in new infection and AIDS deaths is expected to lead the country in achieving epidemic control. The results in this report will further help epidemiologist, researchers and other key stakeholders to accelerate efforts towards achieving 90-90-90 and ending AIDS by 2030.

6.0 APPENDICES

Table 17: Children under 1 year Summary

Summary table for children under 1						
	2017	2018	2019	2020	2021	2022
HIV population						
Total	2,008	1,458	1,139	858	810	767
Male	1,034	753	596	451	425	403
Female	974	706	544	408	385	364
New HIV infections						
Total	2,848	2,083	1,782	1,380	1,304	1,235
Male	1,461	1,068	914	708	669	633
Female	1,387	1,015	868	672	635	601
Annual AIDS deaths						
Total	840	625	643	521	494	468
Male	427	316	319	257	244	231
Female	414	309	324	264	251	237

Table 18. Children 1 to 4 years Summary

Summary table for children 1 – 4						
	2017	2018	2019	2020	2021	2022
HIV population						
Total	8,440	7,669	6,651	5,809	5,186	4,689
Male	4,334	3,944	3,434	3,027	2,720	2,466
Female	4,106	3,725	3,217	2,782	2,467	2,223
New HIV infections						
Total	574	481	449	393	393	380
Male	293	245	229	201	201	194
Female	281	235	220	193	193	186
Annual AIDS deaths						
Total	1,316	1,107	869	528	220	144
Male	669	559	432	253	102	67
Female	647	548	437	275	118	77

Table 19: Children 0 to 14 years Summary

Child 0-14 summary						
	2017	2018	2019	2020	2021	2022
HIV population						
Total	28,203	26,730	25,114	23,444	22,213	21,327
Male	14,482	13,741	12,940	12,121	11,516	11,073
Female	13,721	12,989	12,174	11,324	10,697	10,254
New HIV infections						
Total	3,422	2,564	2,232	1,773	1,698	1,614
Male	1,754	1,314	1,143	908	870	827
Female	1,669	1,250	1,088	865	828	787
Annual AIDS deaths						
Total	2,902	2,473	2,282	1,884	1,391	1,028
Male	1,478	1,253	1,142	929	684	511
Female	1,424	1,220	1,140	955	706	517

Table 20: Adults 15 to 24 years Summary

Adults 15-24 summary						
	2017	2018	2019	2020	2021	2022
HIV population						
Total	33,792	34,219	34,036	33,092	31,471	29,788
Male	8,333	8,561	8,691	8,681	8,538	8,381
Female	25,458	25,657	25,345	24,412	22,933	21,407
Prevalence	0.60	0.60	0.59	0.56	0.52	0.49
New HIV infections						
Total	5,557	5,321	4,621	3,761	2,920	2,646
Male	1,175	1,124	973	790	611	551
Female	4,382	4,198	3,647	2,972	2,309	2,095
Incidence	0.10	0.10	0.08	0.07	0.05	0.04
HIV+ pregnant women	3,343	3,404	3,458	3,414	3,260	3,030
Annual AIDS deaths						
Total	790	663	531	449	394	356
Male	370	312	233	185	161	148
Female	421	351	298	264	233	208
Annual AIDS deaths among those on ART						
Total	127	243	310	343	328	311
Male	36	88	135	150	142	135
Female	91	155	176	194	187	175
Annual AIDS deaths among those not on ART						
Total	663	420	221	106	66	45
Male	333	224	99	36	20	13
Female	330	196	122	70	46	32

Table 21: Adults 15 to 49 years Summary

Adults 15-49 summary						
	2017	2018	2019	2020	2021	2022
HIV population						
Total	240,963	243,009	245,451	246,716	245,679	243,782
Male	73,451	72,742	72,728	72,742	72,136	71,325
Female	167,512	170,267	172,724	173,975	173,543	172,457
Prevalence	1.67	1.64	1.62	1.59	1.55	1.51
New HIV infections						
Total	14,620	14,054	12,260	10,031	7,822	7,115
Male	4,849	4,669	4,080	3,343	2,611	2,379
Female	9,771	9,385	8,180	6,688	5,211	4,736
Incidence	0.10	0.10	0.08	0.07	0.05	0.05
Annual AIDS deaths						
Total	9,756	6,999	4,679	3,445	2,839	2,592
Male	4,323	3,369	2,139	1,391	1,072	961
Female	5,433	3,630	2,540	2,054	1,767	1,632
Annual AIDS deaths among those on ART						
Total	1,578	2,472	2,828	2,858	2,605	2,439
Male	369	725	1,086	1,138	998	912
Female	1,209	1,747	1,742	1,720	1,607	1,527
Annual AIDS deaths among those not on ART						
Total	8,178	4,527	1,851	587	234	153
Male	3,954	2,644	1,053	252	74	48
Female	4,224	1,883	798	335	160	105
Number of AIDS deaths among pregnant women	512	356	264	221	193	176

Table 22: Adults 15+ years Summary

Adults 15+ summary						
	2017	2018	2019	2020	2021	2022
HIV population						
Total	284,860	289,883	295,878	300,972	304,327	307,038
Male	94,681	94,765	95,883	97,188	98,066	98,752
Female	190,179	195,118	199,995	203,784	206,261	208,286
Prevalence	1.60	1.59	1.58	1.57	1.55	1.52
New HIV infections						
Total	15,678	15,085	13,169	10,780	8,414	7,660
Male	5,372	5,177	4,526	3,710	2,900	2,644
Female	10,307	9,908	8,643	7,070	5,514	5,016
Incidence	0.09	0.09	0.07	0.06	0.04	0.04
Annual AIDS deaths						
Total	12,792	9,435	6,498	4,956	4,273	4,055
Male	6,220	4,915	3,219	2,198	1,791	1,673
Female	6,572	4,520	3,279	2,759	2,482	2,382
Annual AIDS deaths among those on ART						
Total	2,415	3,685	4,231	4,275	4,012	3,885
Male	726	1,310	1,844	1,886	1,705	1,618
Female	1,689	2,375	2,387	2,389	2,307	2,267
Annual AIDS deaths among those not on ART						
Total	10,377	5,750	2,267	681	261	170
Male	5,493	3,605	1,375	311	86	56
Female	4,883	2,145	892	370	175	115

Table 23: AIDS Orphans Summary

Orphans summary table - (Total) (Male+Female)						
	2017	2018	2019	2020	2021	2022
Maternal orphans						
AIDS	105,373	99,710	91,203	82,286	73,480	65,234
Non-AIDS	299,875	319,340	337,973	354,802	369,433	381,589
Total	405,248	419,050	429,176	437,088	442,913	446,823
Paternal orphans						
AIDS	121,239	117,693	110,554	100,639	90,339	80,606
Non-AIDS	525,400	553,512	581,597	608,126	632,745	655,090
Total	646,640	671,205	692,151	708,766	723,084	735,697
Double orphans						
AIDS	47,715	46,440	43,856	40,448	36,694	33,116
Non-AIDS	69,086	75,411	82,034	88,328	93,991	99,179
Total	116,801	121,851	125,890	128,776	130,685	132,295
Total orphans	935,087	968,404	995,437	1,017,077	1,035,312	1,050,224
All AIDS orphans	186,005	178,033	164,680	148,805	132,930	117,991

Table 24: PMTCT Summary

PMTCT summary						
	2017	2018	2019	2020	2021	2022
Mothers needing PMTCT	18,263	19,296	20,740	21,660	21,904	21,512
Mothers receiving PMTCT	12,048	16,595	19,288	21,660	21,904	21,512
Option B+: ART started before current pregnancy	1,480	7,525	12,340	17,328	18,071	18,285
Option B+: ART started during current pregnancy > 4 weeks before delivery	10,568	9,069	6,948	4,332	3,833	3,227
PMTCT coverage	65.97	86.00	93.00	100.00	100.00	100.00
PMTCT coverage of more efficacious regimens	65.97	86.00	93.00	100.00	100.00	100.00
MTCT rate at 6 weeks	10.47	6.69	5.19	3.74	3.67	3.57
Final transmission rate including breastfeeding period	18.74	13.29	10.76	8.19	7.75	7.50
Number of HIV+ breastfeeding women at 3 months	18,263	19,296	20,740	21,660	21,904	21,512
Number of HIV+ breastfeeding women at 12 months	17,624	18,621	20,014	20,902	21,138	20,759
Number of new child infections due to mother-to-child transmission						
Total	3,422	2,564	2,232	1,773	1,698	1,614
Male	1,754	1,314	1,143	908	870	827
Female	1,669	1,250	1,088	865	828	787
Treatment coverage for HIV+ pregnant women	65.97	86.00	93.00	100.00	100.00	100.00
Number of infants diagnosed with HIV	8,082	839	888	811	805	769

Table 25: Impact Summary

Impacts Summary - (Total) (Male+Female)						
	2017	2018	2019	2020	2021	2022
Deaths averted by ART	7,086	10,259	12,776	14,140	14,781	14,846
Infections averted by PMTCT	2,118	2,950	3,436	3,787	3,842	3,748
Life years gained by ART and PMTCT	83,564	97,416	114,174	132,706	152,184	171,926
Deaths averted by ART (0-4)	-64	-96	-561	-617	-250	-151
Deaths averted by cotrimoxazole (0-4)	18	35	117	131	132	136
Deaths averted by PMTCT (0-4)	1,153	1,547	2,157	2,638	2,592	2,531

Table 26: HIV Age Distribution

HIV age distribution																		
	2017			2018			2019			2020			2021			2022		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
0-4	10,448	5,368	5,080	9,127	4,697	4,430	7,791	4,030	3,760	6,667	3,478	3,190	5,996	3,145	2,852	5,456	2,869	2,587
5-9	9,564	4,918	4,646	9,474	4,876	4,597	9,188	4,733	4,455	8,783	4,529	4,254	8,440	4,359	4,081	8,137	4,211	3,927
10-14	8,192	4,196	3,995	8,129	4,168	3,962	8,136	4,178	3,958	7,994	4,114	3,879	7,776	4,011	3,765	7,734	3,994	3,740
15-19	11,011	3,196	7,815	11,189	3,298	7,891	11,165	3,420	7,744	10,889	3,528	7,361	10,422	3,614	6,808	9,965	3,650	6,315
20-24	22,781	5,137	17,644	23,030	5,264	17,766	22,871	5,271	17,600	22,204	5,153	17,051	21,049	4,924	16,124	19,823	4,731	15,092
25-29	35,473	8,907	26,566	35,247	8,958	26,289	35,009	8,976	26,033	34,519	8,885	25,635	33,658	8,644	25,014	32,622	8,344	24,278
30-34	46,961	12,808	34,154	46,122	12,568	33,554	45,384	12,421	32,962	44,504	12,254	32,250	43,406	11,997	31,409	42,293	11,716	30,577
35-39	50,479	15,232	35,247	50,562	14,819	35,743	50,767	14,637	36,129	50,727	14,518	36,209	50,292	14,341	35,950	49,581	14,130	35,451
40-44	43,173	15,252	27,921	44,350	14,940	29,410	45,855	14,889	30,966	47,323	14,935	32,388	48,529	14,951	33,578	49,452	14,932	34,520
45-49	31,085	12,919	18,166	32,510	12,895	19,614	34,401	13,113	21,288	36,551	13,471	23,081	38,323	13,665	24,659	40,046	13,823	26,224
50-54	20,254	9,413	10,841	21,542	9,652	11,889	22,962	9,979	12,983	24,346	10,300	14,046	25,858	10,635	15,223	27,519	10,996	16,522
55-59	11,345	5,586	5,759	12,161	5,842	6,319	13,203	6,212	6,990	14,416	6,660	7,756	15,963	7,238	8,726	17,455	7,759	9,696
60-64	6,181	3,074	3,107	6,722	3,270	3,452	7,351	3,529	3,823	8,023	3,821	4,202	8,720	4,124	4,596	9,469	4,441	5,028
65-69	3,303	1,724	1,579	3,465	1,757	1,708	3,719	1,840	1,879	4,056	1,967	2,089	4,461	2,130	2,331	4,920	2,321	2,599
70-74	1,735	912	823	1,864	964	901	2,005	1,025	980	2,142	1,085	1,057	2,269	1,137	1,132	2,401	1,187	1,214
75-79	737	371	366	768	385	383	822	411	412	895	446	449	980	487	493	1,074	532	542
80+	343	151	192	351	154	198	364	160	204	379	168	210	397	179	218	418	191	228
Total	313,063	109,163	203,900	316,613	108,506	208,108	320,992	108,823	212,169	324,417	109,309	215,108	326,540	109,582	216,958	328,364	109,825	218,539

Table 27: AIDS Death By Age

AIDS deaths by age																		
	2017			2018			2019			2020			2021			2022		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
0-4	2,156	1,096	1,060	1,732	875	857	1,512	751	761	1,050	510	540	715	346	369	612	298	314
5-9	359	184	175	355	182	174	369	188	182	397	199	198	300	151	150	167	87	81
10-14	387	198	189	386	197	189	401	204	197	437	219	217	376	188	188	249	127	122
15-19	425	249	176	330	193	137	252	135	117	211	106	105	185	93	92	163	83	79
20-24	366	120	245	333	119	213	280	99	181	238	79	159	209	68	141	193	65	129
25-29	802	234	568	566	196	370	380	137	243	272	94	177	207	73	134	179	66	113
30-34	1,404	494	910	941	379	563	589	235	353	401	147	254	299	107	192	254	94	161
35-39	2,425	990	1,435	1,652	754	898	1,029	447	582	701	262	438	539	185	353	469	159	310
40-44	2,358	1,149	1,209	1,644	869	775	1,036	509	527	729	302	427	598	223	375	550	197	353
45-49	1,976	1,086	890	1,532	859	673	1,114	578	536	894	399	494	802	322	480	784	297	487
50-54	1,424	869	555	1,122	696	427	813	467	346	653	331	322	600	281	319	598	268	330
55-59	774	489	286	630	403	226	481	289	192	409	222	187	399	203	195	412	204	208
60-64	418	265	153	347	223	123	270	164	106	233	130	103	226	121	106	235	123	112
65-69	227	149	78	181	120	61	137	86	52	118	67	51	115	62	53	122	65	57
70-74	119	79	40	98	66	32	74	48	27	62	37	25	58	33	25	59	33	26
75-79	50	32	18	40	26	14	30	19	11	26	15	11	25	14	11	26	15	12
80+	24	14	10	19	11	7	14	8	6	11	6	5	11	5	5	11	5	5
Total	15,694	7,698	7,996	11,908	6,168	5,740	8,780	4,361	4,419	6,840	3,126	3,714	5,663	2,476	3,188	5,084	2,185	2,899

Table 28: Sub Populations Summary

Adults 15+	2017			2018			2019			2020			2021		
HIV population	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
Total	284,860	198,747	86,113	289,883	203,909	85,974	295,878	210,004	85,873	295,878	210,004	85,873	295,878	210,004	85,873
Male	94,681	66,059	28,622	94,765	66,659	28,105	95,883	68,055	27,828	95,883	68,055	27,828	95,883	68,055	27,828
Female	190,179	132,688	57,491	195,118	137,250	57,868	199,995	141,950	58,045	199,995	141,950	58,045	199,995	141,950	58,045
Prevalence (15-49)	1.67	2.00	1.22	1.64	1.96	1.19	1.62	1.93	1.16	1.62	1.93	1.16	1.62	1.93	1.16
New HIV infections															
Total	15,678	11,582	4,097	15,085	11,220	3,866	13,169	9,500	3,669	13,169	9,500	3,669	13,169	9,500	3,669
Male	5,372	3,968	1,404	5,177	3,851	1,327	4,526	3,265	1,261	4,526	3,265	1,261	4,526	3,265	1,261
Female	10,307	7,614	2,693	9,908	7,369	2,539	8,643	6,235	2,408	8,643	6,235	2,408	8,643	6,235	2,408
Incidence (15-49)	0.10	0.13	0.06	0.1	0.12	0.06	0.08	0.1	0.05	0.08	0.1	0.05	0.08	0.1	0.05
Annual AIDS deaths															
Total	12,792	8,925	3,867	9,435	6,637	2,798	6,498	4,612	1,886	6,498	4,612	1,886	6,498	4,612	1,886
Male	6,220	4,339	1,880	4,915	3,457	1,458	3,219	2,285	934	3,219	2,285	934	3,219	2,285	934
Female	6,572	4,585	1,987	4,520	3,179	1,341	3,279	2,327	952	3,279	2,327	952	3,279	2,327	952
Total number receiving ART															
Total	119,165	83,141	36,024	164,733	115,876	48,857	217,320	154,247	63,073	217,320	154,247	63,073	217,320	154,247	63,073
Male	27,971	19,515	8,456	37,906	26,664	11,242	62,324	44,235	18,088	62,324	44,235	18,088	62,324	44,235	18,088
Female	91,194	63,626	27,568	126,827	89,212	37,614	154,996	110,011	44,985	154,996	110,011	44,985	154,996	110,011	44,985
Total need for ART															
Total	284,860	198,747	86,113	289,883	203,909	85,974	295,878	210,004	85,873	295,878	210,004	85,873	295,878	210,004	85,873
Male	94,681	66,059	28,622	94,765	66,659	28,105	95,883	68,055	27,828	95,883	68,055	27,828	95,883	68,055	27,828
Female	190,179	132,688	57,491	195,118	137,250	57,868	199,995	141,950	58,045	199,995	141,950	58,045	199,995	141,950	58,045
Population															
Total	17,833,368	10,419,627	7,413,742	18,268,046	10,780,996	7,487,050	18,716,308	11,155,935	7,560,372	18,716,308	11,155,935	7,560,372	18,716,308	11,155,935	7,560,372
Male	8,771,721	5,125,115	3,646,606	8,993,159	5,307,366	3,685,793	9,221,158	5,496,311	3,724,847	9,221,158	5,496,311	3,724,847	9,221,158	5,496,311	3,724,847
Female	9,061,647	5,294,512	3,767,135	9,274,887	5,473,629	3,801,257	9,495,149	5,659,625	3,835,525	9,495,149	5,659,625	3,835,525	9,495,149	5,659,625	3,835,525

Table 29: DHS + HIV Prevalence (2003)

	Male Prevalence	Female Prevalence	Total Prevalence	Standard Error
Rural	1.4%	2.5%	2.0%	0.2%
Urban	1.5%	2.9%	2.3%	0.3%
Total	1.5%	2.7%	2.2%	0.2%

Table 30: DHS + HIV Prevalence (2014)

	Male Prevalence	Female Prevalence	Total Prevalence	Standard Error
Rural	0.9%	2.5%	1.7%	0.2%
Urban	1.3%	3.1%	2.3%	0.3%
Total	1.1%	2.8%	2.2%	0.2%

Figure 37: Overview of Estimation Process for Generalized Epidemic

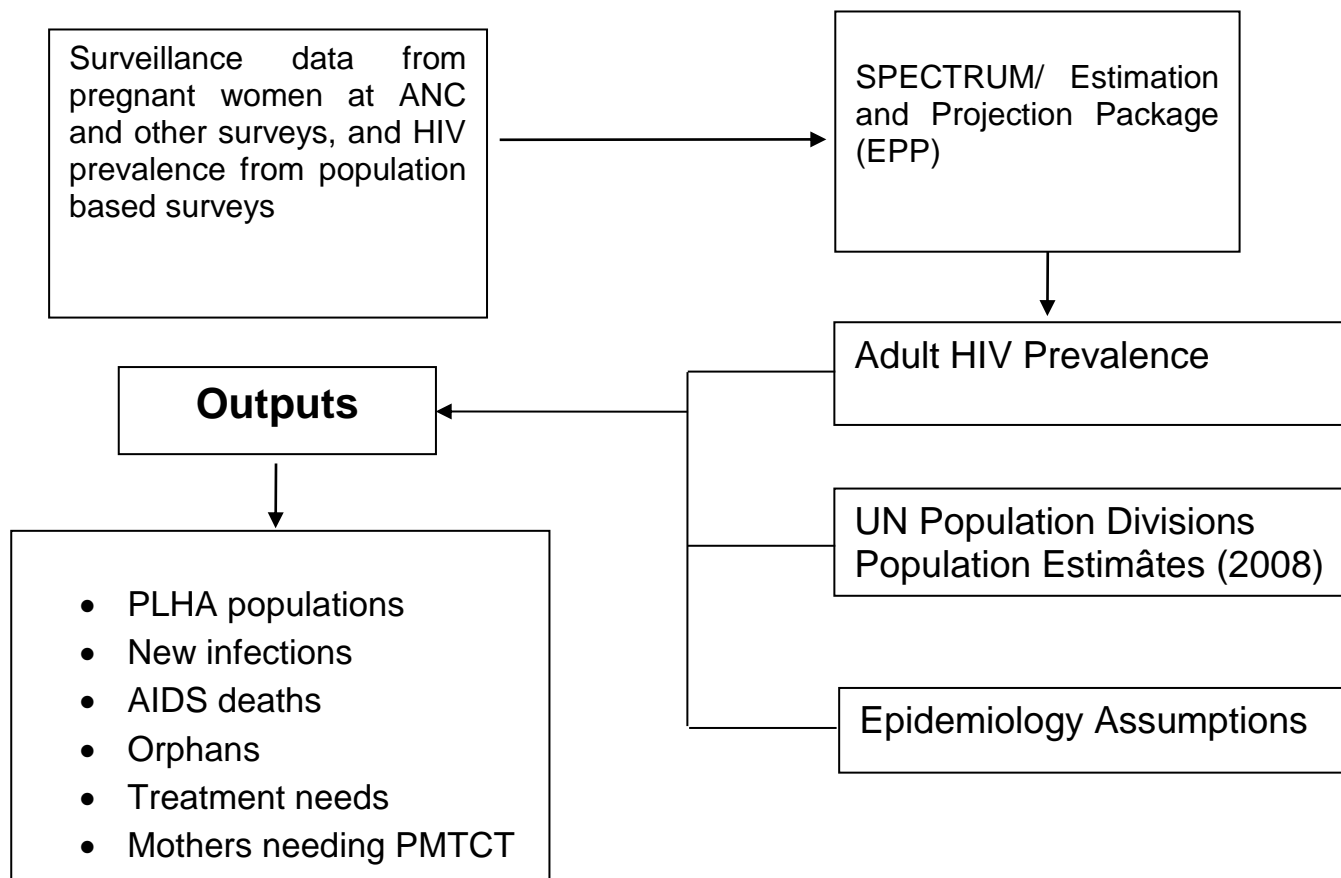


Table 31: HIV Prevalence, Routine Data, Sample Size - Urban Sites

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Census Level ANC-RT	(%)																								2.08
	(N)																								822491
Adabraka (%)	SS (%)		1	2	2	3	2	4	2	4	5	3	3	2	3	3	2	3	4	4	3	4	3	2	2.4
	(N)		300	300	300	300	300	500	426	396	498	499	488	499	498	492	499	500	500	500	500	422	500	388	500
	RT (%)																						4		1.8
	(N)																						921		1407
Agormanya (%)	SS (%)	9	11	13	13	13	8	8	7	7	9	7	6	8	9	8	6	8	9	10	12	9	6	4	2
	(N)	300	300	300	300	300	300	500	472	370	498	500	500	464	497	500	417	500	499	465	328	351	500	500	500
	RT (%)																						6		7.8
	(N)																						1,095		1111
Assin Fosu (%)	SS (%)	3	1	2	1	4	2	2	3	3	3	4	3	3	2	1	2	1	3	2	1	2	2	2	2.6
	(N)	300	300	300	300	300	300	500	500	500	497	499	495	417	450	500	499	499	498	500	497	372	500	500	499
	RT (%)																						1		0.9
	(N)																						1,706		1441
Bawku (%)	SS (%)	2	2		2	2	2	2	4	4	3	4	5	3	4	1	2	2	1	1	2	1	2	1	0.4
	(N)	300	300		300	300	300	394	500	500	498	500	500	500	499	500	500	500	500	500	500	465	500	500	500
	RT (%)																						0		0.1
	(N)																						1,169		1240
Bolgatanga (%)	SS (%)	2	2	1	3	3	2	1	2	3	3	4	2	3	3	2	3	4	2	3	2	3	1	2	2.2
	(N)	300	300	300	300	300	300	500	500	500	498	500	500	500	500	500	499	499	500	500	478	408	500	476	461
	RT (%)																						2		1.6
	(N)																						967		773

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Cape Coast (%)	SS (%)	4	2	3	1	3	3	3	4	3	8	4	3	3	3	3	5	2	10	3	2	2	3	2	2.5
	(N)	300	300	300	300	300	300	500	500	497	498	499	499	499	500	500	499	500	500	500	500	391	389	464	483
	RT (%)																						1		1
	(N)																						1,116		1133
Ho (%)	SS (%)	2	2	3	4	4	5	4	3	3	2	6	3	4	2	2	4	2	3	2	1	4	3	3	2.6
	(N)	300	300	300	300	300	300	500	500	499	498	500	499	496	495	500	500	500	497	500	497	458	499	498	498
	RT (%)																						2		2.3
	(N)																						1,432		1350
Hohoe (%)	SS (%)	2	3	2	4	4	4	5	3	3	4	2	1	5	3	3	3	2	3	3	2	1	1	3	3.4
	(N)	300	300	300	300	300	300	317	500	499	500	498	499	498	500	500	500	499	500	500	500	500	499	500	500
	RT (%)																						2		1.4
	(N)																						1,848		1524
Jirapa (%)	SS (%)	3	0	3	1		1	2	2	2	2	1	3	4	1	2	5	1	1	1	1	2	1	1	1
	(N)	300	300	300	300		300	500	467	494	496	499	498	499	433	497	492	500	500	500	500	335	498	500	500
	RT (%)																						1		0.9
	(N)																						999		580
Koforidua (%)	SS (%)	2	4	3	4	2	1	3	6	9	3	5	6	4	2	3	6	3	2	3	4	4	3	2	2.8
	(N)	300	300	300	300	300	300	300	300	300	300	300	300	499	498	500	500	500	498	500	381	425	500	500	500
	RT (%)																						4		1.5
	(N)																						1,819		1715
KorleBu (%)	SS (%)				2	2	2	2	5	2	4	0	1	4	4	4	4	2	3	4	3	2	4	3	4.8
	(N)				300	300	300	500	500	500	499	494	492	500	500	500	500	500	500	500	498	457	500	500	499
	RT (%)																						1		2
	(N)																						5,154		5214
Kumasi (%)	SS (%)	2.4	3.2	3.8	5.5	6.8	4.9	3.8	3.4	4.2	5	2.4	3.4	4.8	4.6	3.6	4	4.6	1.8	1.8	3.2	2	2.8	3.4	3.4
	(N)	300	300	300	300	300	300	450	500	496	500	499	498	500	500	498	500	500	499	500	500	500	499	500	499
	RT (%)																						2.1	2.1	1.4
	(N)																						3255	3135	2295

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Maamobi (%)	SS (%)									4	4	5	2	3	4	3	3	2	3	3	3	4	4	2	3
	(N)									499	499	468	497	499	499	500	500	500	500	500	500	454	500	500	500
	RT (%)																						2		2.6
	(N)																						2,063		2310
Mampong (%)	SS (%)	2	4	2	5	5	3	2	5	2	5	3	3	4	4	2	4	2	3	2	2	1	1	1	3.2
	(N)	300	300	300	300	300	300	430	500	499	499	500	481	499	500	500	500	500	500	500	500	432	500	500	499
	RT (%)																						1		2.4
	(N)																						1,250		913
Nalerigu (%)	SS (%)	1	1	0	0		1	1	2	2	1	0	1	1	2	1	1	1	0	0	1	0	1	0	0.8
	(N)	300	300	300	300		300	500	480	500	499	500	500	500	500	500	499	500	500	500	500	498	500	500	500
	RT (%)																						1		0.2
	(N)																						1,526		1300
Navrongo (%)	SS (%)								2	5	4	3	2	3	2	3	3	2	2	3	1	2	2	3	1.6
	(N)							381	493	499	500	500	500	500	500	500	500	500	500	500	497	312	388	362	368
	RT (%)																						1		0.3
	(N)																						429		371
Obuasi (%)	SS (%)									6	4	3	3	4	5	3	5	4	4	5	5	6	4	3	5.2
	(N)									300	460	500	500	500	500	500	500	500	500	500	500	499	500	498	500
	RT (%)																						4		3.6
	(N)																						2,117		1427
Sunyani (%)	SS (%)	3		2	2	3	3	2	1	3	2	3	5	2	3	2	4	3	4	2	2	5	4	4	3
	(N)	300		300	300	300	300	425	350	500	300	367	340	357	500	351	444	500	500	500	500	500	500	500	500
	RT (%)																						9		3.6
	(N)																						1,807		1783

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Takoradi (%)	SS (%)	2		4	4	3	4	3	4	4	4	5	3	3	5	3	4	3	2	2	4	4	3	3	1.6
	(N)	300		300	300	300	300	500	500	490	494	499	500	500	500	500	500	500	500	500	500	499	500	499	500
	RT (%)																						3		2
	(N)																						1,509		1267
Tamale (%)	SS (%)	1	1	2	1		1	1	2	2	4	3	2	2	2	1	2	1	0	2	1	1	1	1	0.8
	(N)	300	300	300	300		300	450	450	500	500	500	500	500	500	500	500	500	500	500	500	499	499	420	383
	RT (%)																						1		0.3
	(N)																						2,550		2389
Tema (%)	SS (%)						3	4	3	7	3	6	2	4	2	2	4	3	2	4	3	3	2	3	2.8
	(N)						300	357	367	366	498	500	496	499	499	500	498	500	499	420	500	418	402	500	500
	RT (%)																						1		3
	(N)																						3,824		1928
Wa (%)	SS (%)	3	1	2	2	2	2	1	6	3	3	2	3	3	6	2	2	2	1	2	1	1	2	4	2.1
	(N)	300	300	300	300	300	300	420	500	498	500	500	500	500	500	500	500	500	500	500	500	281	498	429	331
	RT (%)																						2		2.3
	(N)																						1,167		820
Wenchi (%)	SS (%)		3	3	2	2	2	1	3	3	5	7	3	3	5	3	3	2	3	3	4	2	1	3	2.2
	(N)		300	300	300	300	300	500	500	500	500	395	498	499	500	500	500	498	500	500	500	401	500	500	500
	RT (%)																						2		1.9
	(N)																						1,079		860

Table 32: HIV Prevalence, Routine Data, Sample Size - Rural Sites

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Census Level ANC-RT	(%)																								2.08
	(N)																								822491
Adibo (%)	SS(%)											2.5	0.5	1.2	0.9	0.4	3.4	0.4	0	1	0.2	0.4	1.8	1.2	0.4
	(N)											432	408	404	459	500	498	499	500	500	499	500	500	500	500
	RT(%)																						0.6		0
	(N)																						2,048		564
Afram Plains (%)	SS(%)												3	2.8	1.2	1.5	2.2	1.4	1.4	2	0.8	0.3	0.8	2.4	0.2
	(N)												499	499	499	399	500	500	497	500	500	394	500	500	500
	RT (%)																						0.3		1.3
	(N)																						592		533
Amansie West (%)	SS (%)											2.8	3	3.6	1.8	3.7	1.8	1.6	3	1.8	2	1.6	2.6	2.2	1
	(N)											500	320	499	435	326	441	500	500	500	500	495	500	499	500
	RT (%)																						1.8		0.8
	(N)																						1,399		1136
Asikuma Odoben (%)	SS (%)											2.2	3	2.2	3.9	2	2	1.6	1.6	0.4	0.6	0.8	0.8	0.8	0.4
	(N)											499	471	500	259	499	497	498	500	500	500	494	498	500	500
	RT (%)																						2.3		0.4
	(N)																						311		258
Asunafo (%)	SS (%)											4.1	1.8	1.8	1.8	2.1	2	1.4	0.2	2.1	1.7	1.8	1.9	3	1.4
	(N)											294	277	276	285	466	403	418	500	421	286	284	372	371	357
	RT (%)																						0.9		1.1
	(N)																						868		974

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Birim South (%)	SS (%)												3.4	2.2	2.6	2.9	3.2	1.7	1.8	1.7	1.4	2	0.3	0.9	0.8
	(N)												320	276	303	412	374	412	383	418	289	247	287	323	396
	RT (%)																						0		1
	(N)																						616		509
Builsa (%)	SS (%)											2.2	1.6	3.3	1.4	1.6	0.8	1.2	0.6	1.4	2	0.6	0	0.5	1
	(N)											405	429	427	499	500	500	500	500	500	500	475	347	426	500
	RT (%)																						0.3		1.5
	(N)																						582		389
Dangbe East (%)	SS (%)												3.5	4.4	3.3	3.5	3.2	2.1	3.3	3	2.4	2.8	3.4	2.8	3.2
	(N)												258	451	424	492	498	427	480	372	422	424	500	500	500
	RT (%)																						3.2		3
	(N)																						1784		2175
East Gonja (%)	SS (%)												1.8	5.6	2.6	1.6	1.8	0.6	0.4	0.6	0.9	0.7	0.6	0.5	0.4
	(N)												383	497	499	499	500	478	500	500	437	411	478	421	453
	RT (%)																						0		0.5
	(N)																						512		973
Eikwe (%)	SS (%)	3		5.7	5.8	5.8	4.8	3.2	5.8	6	6.1	4.4	4	5.1	3.8	2.8	3	1.6	2	1.2	2.2	1	1.6	3	2.8
	(N)	300		300	300	300	300	500	500	499	495	499	499	500	499	500	497	497	500	500	499	499	499	499	500
	RT (%)																						6.6		3.7
	(N)																						821		1476
Fanteakwa (%)	SS (%)										6.6	6.8	4.1	3.5	5.8	4.6	4	2.4	3.2	1.3	2.4	4.2	2.3	3.3	4.6
	(N)										334	293	401	415	415	500	499	500	498	478	500	311	400	364	500
	RT (%)																						1.9		2.1
	(N)																						317		699
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017

Kintampo (%)	SS (%)												3.1	1.8	3	3.1	2.1	1.5	1.2	1	0.6	0.4	0	0.5	1
	(N)												353	403	500	481	373	461	500	500	470	285	312	407	407
	RT (%)																						0		1.3
	(N)																						323		765
Krachi (%)	SS (%)										2.8	2.4	0.7	0.3	2.1	1.4	0.4	1.3	2.3	0.7	0.3	1.1	1.3	0.6	
	(N)										500	449	402	308	288	288	285	391	350	290	290	353	301	337	
	RT (%)																					0.2		0.5	
	(N)																					446		586	
Nadowli (%)	SS (%)									1.3	1.3	1.7	0	1.9	0.3	2.6	1.6	1.2	0.8	0.5		0.6	2.7	1	
	(N)									310	375	403	341	317	333	303	305	329	375	433		347	332	404	
	RT (%)																					0.2		1.1	
	(N)																					415		533	
North Tongu (%)	SS (%)									2	2.9	0	0.8	0.6	0	0.7	1.9	1.5	2.8		1.8	1.6	2.6	1.8	
	(N)									293	274	260	497	324	289	292	313	324	283		275	368	304	338	
	RT (%)																					0.4		0.8	
	(N)																					279		377	
Sefwi Asafo (%)	SS (%)									2.4	4.8	3.2	5.4	2.6	3.8	2.8	4.6	2.8	3	2.4	3.2	1.7	3	4.6	
	(N)									464	500	431	446	500	500	500	500	500	500	500	500	476	499	500	
	RT (%)																					2.1		2.7	
	(N)																					1459		1601	
Wasa West (%)	SS (%)											1.9	3.3	1.9	1.8	2.6	1	0.6	2.8	1.2	1.1	1.8	1	0.6	
	(N)											473	486	473	498	500	499	499	500	498	449	500	500	499	
	RT (%)																					1.2		1	
	(N)																					815		1316	

Key

SS – Sentinel Survey

N – Sample size
RT – Routine Testing (PMTCT)

Table 33. Regional Summary, 0-14 years

Region	HIV Prevalence	HIV Population			New HIV Infection			Annual AIDS Deaths		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Ashanti	0.25	2682	2541	5224	325	309	634	274	264	537
Brong Ahafo	0.26	1453	1376	2829	176	167	343	148	143	291
Central	0.24	1227	1162	2389	149	141	290	125	121	246
Eastern	0.34	2055	1947	4002	249	237	486	210	202	412
Greater Accra	0.45	3403	3224	6626	412	392	804	347	335	682
Northern	0.03	198	188	386	24	23	47	20	19	40
Upper East	0.06	161	153	314	20	19	38	16	16	32
Upper West	0.04	73	69	142	9	8	17	7	7	15
Volta	0.25	1222	1158	2380	148	141	289	125	120	245
Western	0.34	2008	1902	3910	243	231	474	205	197	402

Table 34. Regional Summary 15-24 years

Region	HIV Prevalence	HIV Population			New HIV Infection			Annual AIDS Deaths		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Ashanti	0.56	1543	4715	6259	218	812	1029	69	78	146
Brong Ahafo	0.63	836	2554	3390	118	440	557	37	42	79
Central	0.60	706	2156	2862	100	371	471	31	36	67
Eastern	0.84	1183	3613	4795	167	622	789	53	60	112
Greater Accra	0.82	1958	5982	7940	276	1030	1306	87	99	186
Northern	0.09	114	349	463	16	60	76	5	6	11
Upper East	0.17	93	283	376	13	49	62	4	5	9
Upper West	0.11	42	128	171	6	22	28	2	2	4

Volta	0.62	703	2148	2851	99	370	469	31	36	67
Western	0.81	1155	3530	4685	163	608	770	51	58	110

Table 35. Regional Summary 15-49 years

Region	HIV Prevalence	HIV Population			New HIV Infection			Annual AIDS Deaths		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Ashanti	1.57	13604	31026	44630	898	1810	2708	801	1006	1807
Brong Ahafo	1.82	7369	16805	24174	486	980	1467	434	545	979
Central	1.74	6222	14189	20410	411	828	1238	366	460	826
Eastern	2.31	10423	23771	34194	688	1387	2075	613	771	1384
Greater Accra	2.07	17258	39358	56616	1139	2296	3435	1016	1277	2292
Northern	0.25	1006	2294	3300	66	134	200	59	74	134
Upper East	0.50	817	1864	2682	54	109	163	48	60	109
Upper West	0.33	371	846	1216	24	49	74	22	27	49
Volta	1.74	6198	14134	20332	409	824	1234	365	458	823
Western	2.23	10184	23226	33410	672	1355	2027	599	753	1353

Table 36. Regional Summary 15+ years

Region	HIV Prevalence	HIV Population			New HIV Infection			Annual AIDS Deaths		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Ashanti	1.53	17536	35224	52760	995	1909	2904	1152	1217	2369
Brong Ahafo	1.76	9498	19079	28577	539	1034	1573	624	659	1283
Central	1.61	8020	16109	24129	455	873	1328	527	557	1084
Eastern	2.12	13436	26988	40423	762	1463	2225	883	933	1815
Greater Accra	2.07	22246	44684	66930	1262	2422	3684	1461	1544	3006
Northern	0.24	1296	2604	3901	74	141	215	85	90	175
Upper East	0.45	1054	2117	3170	60	115	174	69	73	142
Upper West	0.30	478	960	1438	27	52	79	31	33	65
Volta	1.57	7989	16047	24036	453	870	1323	525	555	1079
Western	2.19	13128	26369	39496	745	1429	2174	862	911	1774

Table 37. District Summary 0-14 years

Region	District	HIV Prevalence	HIV Population			HIV New Infection			Annual AIDS Deaths		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Ashanti	Adansi North	0.14	38	36	74	5	4	9	4	4	8
	Adansi South	0.15	44	41	85	5	5	10	4	4	9
	Afigya Kwabre	0.24	79	75	155	10	9	19	8	8	16
	Ahafo Ano North	0.22	50	48	98	6	6	12	5	5	10
	Ahafo Ano South	0.22	67	63	130	8	8	16	7	7	13
	Amansie Central	0.36	83	79	162	10	10	20	8	8	17
	Amansie West	0.16	54	51	104	6	6	13	5	5	11
	Asante Akim Central Municipal	0.40	67	64	131	8	8	16	7	7	13
	Asante Akim North	0.28	45	43	87	5	5	11	5	4	9
	Asante Akim South	0.18	54	51	104	6	6	13	5	5	11
	Asokore Mampong Municipal	0.47	300	284	584	36	35	71	31	30	60
	Atwima Kwanwoma	0.18	40	38	79	5	5	10	4	4	8
	Atwima Mponua	0.18	55	52	107	7	6	13	6	5	11
	Atwima Nwabiagya	0.31	106	100	206	13	12	25	11	10	21
	Bekwai Municipal	0.25	63	60	123	8	7	15	6	6	13
	Bosome Freho	0.16	24	23	47	3	3	6	2	2	5
	Bosumtwi	0.26	61	58	119	7	7	14	6	6	12
	Ejisu Juaben Municipal	0.37	126	120	246	15	15	30	13	12	25
	Ejura Sekye Dumasi	0.13	27	26	53	3	3	6	3	3	5
	Kumasi Metropolis	0.23	772	731	1503	93	89	182	79	76	155
	Kwabre East	0.15	39	37	77	5	5	9	4	4	8
	Mampong Municipal	0.42	87	82	169	11	10	20	9	9	17
	Obuasi Municipal	0.35	128	121	249	15	15	30	13	13	26
	Offinso Municipal	0.15	29	28	57	4	3	7	3	3	6
	Offinso North	0.24	37	35	72	4	4	9	4	4	7
	Sekyere Afram Plains North	0.20	16	15	32	2	2	4	2	2	3
	Sekyere Central	0.28	49	47	96	6	6	12	5	5	10
	Sekyere East	0.24	36	34	71	4	4	9	4	4	7

	Sekyere Kumewu	0.30	51	48	99	6	6	12	5	5	10
	Sekyere South	0.23	54	51	106	7	6	13	6	5	11
Brong Ahafo	Asunafo North Municipal	0.26	82	78	160	10	9	19	8	8	16
	Asunafo South	0.18	44	42	87	5	5	10	5	4	9
	Asutifi North	0.34	44	42	86	5	5	10	5	4	9
	Asutifi South	0.49	61	58	118	7	7	14	6	6	12
	Atebubu Amantin	0.38	107	102	209	13	12	25	11	11	21
	Banda	0.23	12	11	23	1	1	3	1	1	2
	Berekum Municipal	0.39	118	111	229	14	14	28	12	12	24
	Dormaa Central Municipal	0.38	47	44	91	6	5	11	5	5	9
	Dormaa East	0.33	86	81	167	10	10	20	9	8	17
	Dormaa West	0.40	47	45	92	6	5	11	5	5	9
	Jaman North	0.30	60	57	117	7	7	14	6	6	12
	Jaman South	0.25	58	55	113	7	7	14	6	6	12
	Kintampo North Municipal	0.23	55	52	108	7	6	13	6	5	11
	Kintampo South	0.14	28	27	55	3	3	7	3	3	6
	Nkoranza North	0.12	20	19	39	2	2	5	2	2	4
	Nkoranza South	0.23	53	50	103	6	6	12	5	5	11
	Pru	0.11	40	38	78	5	5	9	4	4	8
	Sene East	0.07	12	11	23	1	1	3	1	1	2
	Sene West	0.07	11	10	21	1	1	2	1	1	2
	Sunyani Municipal	0.35	82	78	160	10	9	19	8	8	16
	Sunyani West	0.24	48	46	94	6	6	11	5	5	10
	Tain	0.19	41	39	80	5	5	10	4	4	8
	Tano North	0.18	35	33	69	4	4	8	4	3	7
	Tano South	0.21	42	40	81	5	5	10	4	4	8
	Techiman Municipal	0.39	135	128	263	16	16	32	14	13	27
	Techiman North	0.15	21	20	41	3	2	5	2	2	4
	Wenchi Municipal	0.29	64	61	125	8	7	15	7	6	13
Central	Abura-Asebu-Kwamankese	0.23	59	56	114	7	7	14	6	6	12
	Agona East	0.49	103	97	200	12	12	24	10	10	21
	Agona West Municipal	0.16	42	40	82	5	5	10	4	4	8
	Ajumako-Enyan-Essiam	0.26	82	78	160	10	9	19	8	8	16
	Asikuma-	0.13	37	35	72	4	4	9	4	4	7

	Odoben Brakwa										
	Assin North Municipal	0.32	129	123	252	16	15	31	13	13	26
	Assin South	0.10	26	25	51	3	3	6	3	3	5
	Awutu Senya East Municipal	0.25	61	58	119	7	7	14	6	6	12
	Cape Coast Metropolis	0.17	44	41	85	5	5	10	4	4	9
	Effutu Municipal	0.30	40	38	79	5	5	10	4	4	8
	Ekumfi	0.23	30	28	58	4	3	7	3	3	6
	Ewutu Senya	0.23	49	46	95	6	6	11	5	5	10
	Gomoa East	0.27	136	129	265	16	16	32	14	13	27
	Gomoa West	0.20	65	62	127	8	8	15	7	6	13
	Komenda-Edina-Eguafo-Abirem Municipal	0.29	91	86	177	11	10	21	9	9	18
	Mfantsiman	0.15	48	46	94	6	6	11	5	5	10
	Twifo Ati Morkwa	0.22	34	32	66	4	4	8	3	3	7
	Twifo Heman Lower Denkyira	0.16	22	21	43	3	3	5	2	2	4
	Upper Denkyira East Municipal	0.37	61	58	118	7	7	14	6	6	12
	Upper Denkyira West	0.46	68	64	132	8	8	16	7	7	14
Eastern	Akwapim North	0.51	158	149	307	19	18	37	16	15	32
	Akwapim South	0.27	22	21	44	3	3	5	2	2	4
	Akyemansa	0.12	31	29	60	4	4	7	3	3	6
	Asuogyaman	0.62	137	130	267	17	16	32	14	13	27
	Atiwa	0.31	84	80	164	10	10	20	9	8	17
	Ayensuano	0.28	52	49	101	6	6	12	5	5	10
	Birim Municipal	0.25	85	81	166	10	10	20	9	8	17
	Birim North	0.40	78	73	151	9	9	18	8	8	16
	Birim South	0.16	46	43	89	6	5	11	5	4	9
	Denkyembu or	0.44	83	79	162	10	10	20	8	8	17
	East Akim Municipal	0.31	115	109	224	14	13	27	12	11	23
	Fanteakwa	0.28	71	68	139	9	8	17	7	7	14
	Kwaebibirem	0.37	99	94	193	12	11	23	10	10	20
	Kwahu Afram Plains North	0.35	97	92	189	12	11	23	10	10	19
	Kwahu Afram Plains South	0.29	88	83	172	11	10	21	9	9	18

	Kwahu East	0.34	62	59	121	8	7	15	6	6	12
	Kwahu South	0.44	70	67	137	9	8	17	7	7	14
	Kwahu West Municipal	0.20	45	42	87	5	5	11	5	4	9
	Lower Manya krobo Municipal	0.83	160	151	311	19	18	38	16	16	32
	New Juaben Municipal	0.29	87	83	170	11	10	21	9	9	17
	Nsawam Adoagyiri Municipal	0.25	45	42	87	5	5	11	5	4	9
	Suhum Municipal	0.22	46	44	90	6	5	11	5	5	9
	Upper Manya Krobo	0.33	58	55	113	7	7	14	6	6	12
	Upper West Akim	0.15	32	30	63	4	4	8	3	3	6
	West Akim Municipal	0.23	60	57	117	7	7	14	6	6	12
	Yilo Krobo Municipal	0.73	144	136	280	17	17	34	15	14	29
Greater Accra	Accra Metropolis	0.52	1499	1420	2919	182	173	354	153	147	300
	Ada East	0.50	84	80	164	10	10	20	9	8	17
	Ada West	0.76	113	107	220	14	13	27	12	11	23
	Adenta Municipal	0.17	24	23	47	3	3	6	2	2	5
	Ashaiman Municipal	0.49	175	166	341	21	20	41	18	17	35
	Ga Central Municipal	0.21	50	48	98	6	6	12	5	5	10
	Ga East Municipal	0.32	87	82	169	11	10	21	9	9	17
	Ga South Municipal	0.36	354	335	689	43	41	84	36	35	71
	Ga West Municipal	0.39	169	160	329	20	19	40	17	17	34
	Kpone Katamanso	0.34	76	72	148	9	9	18	8	7	15
	La Dadekotopon Municipal	0.36	112	106	218	14	13	26	11	11	22
	La Nkwantanang-Madina Municipal	0.41	76	72	148	9	9	18	8	7	15
	Ledzokuku Krowor Municipal	0.40	168	159	327	20	19	40	17	16	34
	Ningo Prampram	0.59	95	90	184	11	11	22	10	9	19
	Shai Osudoku	0.55	63	60	123	8	7	15	6	6	13
	Tema Metropolis	0.52	258	244	502	31	30	61	26	25	52
Northern	Bole	0.09	14	13	28	2	2	3	1	1	3
	Bunkpurugu Yunyoo	0.07	26	24	50	3	3	6	3	3	5

	Chereponi	0.02	4	4	8	0	0	1	0	0	1
	East Gonja	0.15	53	50	104	6	6	13	5	5	11
	East Mamprusi	0.01	4	4	7	0	0	1	0	0	1
	Gonja Central	0.01	3	3	6	0	0	1	0	0	1
	Gushiegu	0.00	1	1	2	0	0	0	0	0	0
	Karaga	0.00	0	0	0	0	0	0	0	0	0
	Kpandai	0.01	3	3	6	0	0	1	0	0	1
	Kumbungu	0.01	1	1	3	0	0	0	0	0	0
	Mamprugu Moagduri	0.03	3	3	7	0	0	1	0	0	1
	Mion	0.00	1	1	2	0	0	0	0	0	0
	Nanumba North	0.01	5	4	9	1	1	1	0	0	1
	Nanumba South	0.02	5	4	9	1	1	1	0	0	1
	North Gonja	0.02	3	3	6	0	0	1	0	0	1
	Saboba	0.01	1	1	3	0	0	0	0	0	0
	Sagnerigu Municipal	0.02	5	5	11	1	1	1	1	1	1
	Savelugu-Nanton	0.01	3	3	6	0	0	1	0	0	1
	Sawla-Tuna-Kalba	0.06	16	15	31	2	2	4	2	2	3
	Tamale Metropolis	0.04	20	19	39	2	2	5	2	2	4
	Tatale Sanguli	0.00	1	1	1	0	0	0	0	0	0
	Tolon	0.01	1	1	2	0	0	0	0	0	0
	West Gonja	0.09	10	10	20	1	1	2	1	1	2
	West Mamprusi	0.01	4	4	7	0	0	1	0	0	1
	Yendi Municipal	0.02	7	6	13	1	1	2	1	1	1
	Zabzugu	0.02	4	3	7	0	0	1	0	0	1
Upper East	Bawku Municipal	0.04	9	8	17	1	1	2	1	1	2
	Bawku West	0.02	6	6	12	1	1	1	1	1	1
	Binduri	0.07	11	11	22	1	1	3	1	1	2
	Bolgatanga Municipal	0.09	26	24	50	3	3	6	3	3	5
	Bongo	0.08	18	17	36	2	2	4	2	2	4
	Builsa North	0.10	14	13	27	2	2	3	1	1	3
	Builsa South	0.13	12	11	23	1	1	3	1	1	2
	Garu Tempene	0.02	6	6	12	1	1	1	1	1	1
	Kasena Nankana East	0.08	21	20	42	3	2	5	2	2	4
	Kasena Nankana West	0.07	11	11	22	1	1	3	1	1	2
	Nabdam	0.07	6	6	12	1	1	1	1	1	1
	Pusiga	0.03	5	4	9	1	1	1	0	0	1

	Talensi	0.08	16	16	32	2	2	4	2	2	3
	Daffiama Bussie	0.09	7	7	14	1	1	2	1	1	1
	Jirapa	0.02	5	5	10	1	1	1	1	0	1
	Lambussie Karni	0.01	2	2	3	0	0	0	0	0	0
	Lawra	0.07	10	9	19	1	1	2	1	1	2
	Nadowli-Kaleo	0.06	9	9	18	1	1	2	1	1	2
	Nandom	0.03	3	3	5	0	0	1	0	0	1
	Sissala East	0.02	3	3	7	0	0	1	0	0	1
	Sissala West	0.03	3	3	7	0	0	1	0	0	1
	Wa East	0.02	3	3	6	0	0	1	0	0	1
	Wa Municipal	0.07	16	15	31	2	2	4	2	2	3
	Wa West	0.05	12	11	23	1	1	3	1	1	2
Volta	Adaklu	0.29	23	22	45	3	3	5	2	2	5
	Afadzato South	0.20	44	42	85	5	5	10	4	4	9
	Agotime-Ziope	0.23	16	15	31	2	2	4	2	2	3
	Akatsi North	0.28	21	20	41	3	2	5	2	2	4
	Akatsi South	0.25	54	51	105	7	6	13	6	5	11
	Biakoye	0.25	40	38	78	5	5	9	4	4	8
	Central Tongu	0.32	45	43	88	5	5	11	5	4	9
	Ho Municipal	0.21	68	64	132	8	8	16	7	7	14
	Ho West	0.28	58	55	113	7	7	14	6	6	12
	Hohoe Municipal	0.26	94	89	183	11	11	22	10	9	19
	Jasikan	0.31	42	40	82	5	5	10	4	4	8
	Kadjebi	0.10	14	14	28	2	2	3	1	1	3
	Keta Municipal	0.18	56	53	109	7	6	13	6	6	11
	Ketu North	0.35	76	72	148	9	9	18	8	7	15
	Ketu South	0.34	125	119	244	15	14	30	13	12	25
	Kpando Municipal	0.33	38	36	73	5	4	9	4	4	8
	Krachi East	0.13	40	38	78	5	5	9	4	4	8
	Krachi Nchumuru	0.11	22	21	43	3	3	5	2	2	4
	Krachi West	0.34	44	41	85	5	5	10	4	4	9
	Nkwanta North	0.07	13	13	26	2	2	3	1	1	3
	Nkwanta South	0.13	42	40	82	5	5	10	4	4	8
	North Dayi	0.26	23	22	45	3	3	5	2	2	5
	North Tongu	0.69	141	134	275	17	16	33	14	14	28
	South Dayi	0.30	33	31	64	4	4	8	3	3	7
	South Tongu	0.23	50	47	97	6	6	12	5	5	10
Western	Ahanta West	0.32	90	85	175	11	10	21	9	9	18
	Aowin	0.50	153	145	299	19	18	36	16	15	31
	Bia East	0.45	34	32	67	4	4	8	3	3	7

	Bia west	0.27	61	58	119	7	7	14	6	6	12
	Bodi	0.24	34	32	66	4	4	8	3	3	7
	Ellembelle	0.71	157	149	305	19	18	37	16	15	31
	Jomoro	0.22	85	80	165	10	10	20	9	8	17
	Juabeso	0.22	35	34	69	4	4	8	4	3	7
	Mpohor	0.04	5	4	9	1	1	1	0	0	1
	Nzema East	0.14	22	21	43	3	3	5	2	2	4
	Prestea/Huni Valley	0.20	81	77	158	10	9	19	8	8	16
	Sefwi Akontombra	0.31	70	67	137	9	8	17	7	7	14
	Sefwi Bibiani-Ahwiaso Bekwai	0.33	104	99	203	13	12	25	11	10	21
	Sefwi Wiawso	0.79	293	277	570	35	34	69	30	29	59
	Sekondi Takoradi Metropolis	0.41	474	449	924	57	55	112	48	47	95
	Shama	0.11	24	23	46	3	3	6	2	2	5
	Suaman	0.16	9	9	18	1	1	2	1	1	2
	Tarkwa Nsuaem Municipal	0.23	52	49	101	6	6	12	5	5	10
	Wassa Amenfi Central	0.12	23	22	44	3	3	5	2	2	5
	Wassa Amenfi East	0.43	95	90	185	12	11	22	10	9	19
	Wassa Amenfi West	0.28	70	66	136	8	8	16	7	7	14
	Wassa East	0.17	38	36	73	5	4	9	4	4	8

Table 38. District Summary 15-49 years

Region	District	HIV Prevalence	HIV Population			New HIV Infection			Annual AIDS Deaths		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Ashanti	Adansi North	0.32	17	53	71	2	9	12	1	1	2
	Adansi South	0.33	19	58	77	3	10	13	1	1	2
	Afigya Kwabre	0.54	39	119	158	5	20	26	2	2	4
	Ahafo Ano North	0.48	25	75	100	3	13	16	1	1	2
	Ahafo Ano South	0.48	28	86	115	4	15	19	1	1	3
	Amansie Central	0.79	34	103	136	5	18	22	1	2	3
	Amansie West	0.36	26	80	107	4	14	18	1	1	2
	Asante Akim Central Municipal	0.89	36	109	145	5	19	24	2	2	3
	Asante Akim North	0.63	23	70	92	3	12	15	1	1	2
	Asante Akim South	0.40	23	69	92	3	12	15	1	1	2
	Asokore Mampong Municipal	1.04	201	614	815	28	106	134	9	10	19
	Atwima Kwanwoma	0.41	20	60	79	3	10	13	1	1	2
	Atwima Mponua	0.40	23	70	92	3	12	15	1	1	2
	Atwima Nwabiagya	0.69	58	177	235	8	30	39	3	3	5
	Bekwai Municipal	0.55	29	89	118	4	15	19	1	1	3
	Bosome Freho	0.35	10	32	42	1	5	7	0	1	1
	Bosumtwi	0.59	29	88	117	4	15	19	1	1	3
	Ejisu Juaben Municipal	0.82	63	194	257	9	33	42	3	3	6
	Ejura Sekye Dumasi	0.29	14	44	58	2	8	10	1	1	1
	Kumasi Metropolis	0.50	551	1685	2236	78	290	368	24	28	52
	Kwabre East	0.33	22	67	89	3	11	15	1	1	2
	Mampong Municipal	0.93	44	135	179	6	23	29	2	2	4
	Obuasi Municipal	0.79	82	251	333	12	43	55	4	4	8
	Offinso Municipal	0.34	15	45	59	2	8	10	1	1	1
	Offinso North	0.54	16	49	65	2	8	11	1	1	2
	Sekyere Afram Plains North	0.46	6	20	26	1	3	4	0	0	1
	Sekyere Central	0.61	22	67	89	3	12	15	1	1	2
	Sekyere East	0.54	18	54	72	3	9	12	1	1	2
	Sekyere Kumewu	0.66	22	69	91	3	12	15	1	1	2
	Sekyere South	0.52	28	87	115	4	15	19	1	1	3

Brong Ahafo	Asunafo North Municipal	0.62	42	129	171	6	22	28	2	2	4
	Asunafo South	0.43	22	66	88	3	11	14	1	1	2
	Asutifi North	0.82	23	71	94	3	12	16	1	1	2
	Asutifi South	1.17	36	110	147	5	19	24	2	2	3
	Atebubu Amantin	0.92	55	168	223	8	29	37	2	3	5
	Banda	0.55	6	18	23	1	3	4	0	0	1
	Berekum Municipal	0.94	75	231	306	11	40	50	3	4	7
	Dormaa Central Municipal	0.90	24	72	96	3	12	16	1	1	2
	Dormaa East	0.79	51	157	208	7	27	34	2	3	5
	Dormaa West	0.95	24	73	97	3	13	16	1	1	2
	Jaman North	0.71	38	115	153	5	20	25	2	2	4
	Jaman South	0.60	33	100	133	5	17	22	1	2	3
	Kintampo North Municipal	0.54	29	89	118	4	15	19	1	1	3
	Kintampo South	0.33	14	42	55	2	7	9	1	1	1
	Nkoranza North	0.28	10	30	40	1	5	7	0	0	1
	Nkoranza South	0.54	27	83	111	4	14	18	1	1	3
	Pru	0.27	20	62	83	3	11	14	1	1	2
	Sene East	0.17	5	16	21	1	3	4	0	0	1
	Sene West	0.16	5	16	21	1	3	3	0	0	0
	Sunyani Municipal	0.83	79	241	320	11	41	53	3	4	7
	Sunyani West	0.58	28	87	116	4	15	19	1	1	3
	Tain	0.45	22	67	88	3	11	15	1	1	2
	Tano North	0.43	19	59	78	3	10	13	1	1	2
	Tano South	0.49	21	64	85	3	11	14	1	1	2
	Techiman Municipal	0.92	81	246	326	11	42	54	4	4	8
	Techiman North	0.36	13	39	51	2	7	8	1	1	1
	Wenchi Municipal	0.69	35	106	140	5	18	23	2	2	3
Central	Abura-Asebu-Kwamankese	0.57	34	103	136	5	18	22	1	2	3
	Agona East	1.23	52	158	209	7	27	34	2	3	5
	Agona West Municipal	0.40	24	74	98	3	13	16	1	1	2
	Ajumako-Enyan-Essiam	0.65	41	126	167	6	22	27	2	2	4
	Asikuma-Odoben Brakwa	0.32	17	51	68	2	9	11	1	1	2
	Assin North Municipal	0.80	68	209	277	10	36	46	3	3	6
	Assin South	0.25	12	38	50	2	6	8	1	1	1
	Awutu Senya East Municipal	0.62	36	110	147	5	19	24	2	2	3

	Cape Coast Metropolis	0.42	59	180	238	8	31	39	3	3	6
	Effutu Municipal	0.74	32	97	129	4	17	21	1	2	3
	Ekumfi	0.58	14	43	57	2	7	9	1	1	1
	Ewutu Senya	0.57	26	80	106	4	14	17	1	1	2
	Gomoa East	0.68	73	222	295	10	38	49	3	4	7
	Gomoa West	0.50	33	101	134	5	17	22	1	2	3
	Komenda-Edina-Eguafo-Abirem Municipal	0.72	52	159	211	7	27	35	2	3	5
	Mfantiman	0.39	33	100	132	5	17	22	1	2	3
	Twifo Ati Morkwa	0.55	18	55	73	3	9	12	1	1	2
	Twifo Heman Lower Denkyira	0.40	11	35	46	2	6	8	1	1	1
	Upper Denkyira East Municipal	0.93	37	113	150	5	19	25	2	2	4
	Upper Denkyira West	1.15	34	104	139	5	18	23	2	2	3
Eastern	Akwapim North	1.25	92	280	372	13	48	61	4	5	9
	Akwapim South	0.65	13	39	51	2	7	8	1	1	1
	Akyemansa	0.30	15	44	59	2	8	10	1	1	1
	Asuogyaman	1.52	82	250	331	12	43	55	4	4	8
	Atiwa	0.77	42	127	169	6	22	28	2	2	4
	Ayensuano	0.68	24	74	98	3	13	16	1	1	2
	Birim Municipal	0.61	50	153	203	7	26	33	2	3	5
	Birim North	0.99	40	123	164	6	21	27	2	2	4
	Birim South	0.39	24	74	98	3	13	16	1	1	2
	Denkyembuor	1.07	46	140	186	6	24	31	2	2	4
	East Akim Municipal	0.77	74	226	299	10	39	49	3	4	7
	Fanteakwa	0.68	39	119	158	5	20	26	2	2	4
	Kwaebibirem	0.89	54	166	220	8	29	36	2	3	5
	Kwahu Afram Plains North	0.85	45	139	184	6	24	30	2	2	4
	Kwahu Afram Plains South	0.72	42	127	169	6	22	28	2	2	4
	Kwahu East	0.82	31	96	127	4	17	21	1	2	3
	Kwahu South	1.07	42	129	171	6	22	28	2	2	4
	Kwahu West Municipal	0.50	28	84	112	4	14	18	1	1	3
	Lower Manya krobo Municipal	2.03	110	337	447	16	58	73	5	6	10
	New Juaben Municipal	0.70	71	217	288	10	37	47	3	4	7
	Nsawam Adoagyiri Municipal	0.60	29	88	117	4	15	19	1	1	3
	Suhum	0.55	26	80	106	4	14	17	1	1	2

	Municipal										
	Upper Manya Krobo	0.82	30	92	122	4	16	20	1	2	3
	Upper West Akim	0.36	16	49	65	2	8	11	1	1	2
	West Akim Municipal	0.57	32	99	132	5	17	22	1	2	3
	Yilo Krobo Municipal	1.79	85	260	345	12	45	57	4	4	8
Greater Accra	Accra Metropolis	0.93	977	2984	3961	138	514	651	43	49	93
	Ada East	0.91	35	108	143	5	19	23	2	2	3
	Ada West	1.37	46	139	185	6	24	30	2	2	4
	Adenta Municipal	0.31	14	41	55	2	7	9	1	1	1
	Ashaiman Municipal	0.89	101	309	410	14	53	67	4	5	10
	Ga Central Municipal	0.39	25	75	100	3	13	16	1	1	2
	Ga East Municipal	0.58	47	145	192	7	25	32	2	2	4
	Ga South Municipal	0.66	152	464	616	21	80	101	7	8	14
	Ga West Municipal	0.70	86	263	349	12	45	57	4	4	8
	Kpone Katamanso	0.62	37	112	149	5	19	25	2	2	3
	La Dadekotopon Municipal	0.64	66	202	268	9	35	44	3	3	6
	La Nkwantanang-Madina Municipal	0.74	52	160	212	7	27	35	2	3	5
	Ledzokuku Krowor Municipal	0.73	92	281	372	13	48	61	4	5	9
	Ningo Prampram	1.07	45	137	182	6	24	30	2	2	4
	Shai Osudoku	0.99	28	87	116	4	15	19	1	1	3
	Tema Metropolis	0.93	156	476	631	22	82	104	7	8	15
Northern	Bole	0.25	8	24	32	1	4	5	0	0	1
	Bunkpurugu Yunyoo	0.21	13	41	54	2	7	9	1	1	1
	Chereponi	0.07	2	5	7	0	1	1	0	0	0
	East Gonja	0.41	31	95	127	4	16	21	1	2	3
	East Mamprusi	0.03	2	6	8	0	1	1	0	0	0
	Gonja Central	0.04	2	5	7	0	1	1	0	0	0
	Gushiegu	0.01	0	1	2	0	0	0	0	0	0
	Karaga	0.00	0	0	0	0	0	0	0	0	0
	Kpandai	0.03	2	5	7	0	1	1	0	0	0
	Kumbungu	0.04	1	2	3	0	0	0	0	0	0
	Mamprugu Moagduri	0.07	2	5	7	0	1	1	0	0	0
	Mion	0.01	0	1	2	0	0	0	0	0	0
	Nanumba	0.03	2	7	9	0	1	2	0	0	0

	North										
	Nanumba South	0.05	2	7	10	0	1	2	0	0	0
	North Gonja	0.07	2	5	7	0	1	1	0	0	0
	Saboba	0.02	1	2	3	0	0	0	0	0	0
	Sagnerigu Municipal	0.05	4	13	18	1	2	3	0	0	0
	Savelugu-Nanton	0.02	2	5	7	0	1	1	0	0	0
	Sawla-Tuna-Kalba	0.16	7	23	30	1	4	5	0	0	1
	Tamale Metropolis	0.11	15	47	63	2	8	10	1	1	1
	Tatale Sanguli	0.01	0	1	1	0	0	0	0	0	0
	Tolon	0.02	1	2	3	0	0	0	0	0	0
	West Gonja	0.26	6	20	26	1	3	4	0	0	1
	West Mamprusi	0.03	2	6	8	0	1	1	0	0	0
	Yendi Municipal	0.06	4	12	16	1	2	3	0	0	0
	Zabzugu	0.05	2	6	8	0	1	1	0	0	0
Upper East	Bawku Municipal	0.09	5	15	20	1	3	3	0	0	0
	Bawku West	0.06	3	8	11	0	1	2	0	0	0
	Binduri	0.18	5	16	22	1	3	4	0	0	1
	Bolgatanga Municipal	0.23	18	56	74	3	10	12	1	1	2
	Bongo	0.22	9	29	38	1	5	6	0	0	1
	Builsa North	0.26	8	25	33	1	4	5	0	0	1
	Builsa South	0.34	6	20	26	1	3	4	0	0	1
	Garu Tempene	0.04	3	8	11	0	1	2	0	0	0
	Kasena Nankana East	0.21	14	42	56	2	7	9	1	1	1
	Kasena Nankana West	0.18	7	22	29	1	4	5	0	0	1
	Nabdam	0.18	3	9	12	0	2	2	0	0	0
	Pusiga	0.07	2	6	8	0	1	1	0	0	0
	Talensi	0.21	9	26	35	1	4	6	0	0	1
Upper West	Daffiama Bussie	0.21	4	11	15	1	2	2	0	0	0
	Jirapa	0.05	2	7	10	0	1	2	0	0	0
	Lambussie Karni	0.03	1	3	4	0	0	1	0	0	0
	Lawra	0.18	5	15	20	1	3	3	0	0	0
	Nadowli-Kaleo	0.15	5	16	21	1	3	3	0	0	0
	Nandom	0.06	2	5	6	0	1	1	0	0	0
	Sissala East	0.06	2	6	7	0	1	1	0	0	0
	Sissala West	0.06	2	5	7	0	1	1	0	0	0
	Wa East	0.04	1	4	5	0	1	1	0	0	0
	Wa Municipal	0.17	13	40	53	2	7	9	1	1	1
	Wa West	0.13	5	17	22	1	3	4	0	0	1
Volta	Adaklu	0.70	15	47	62	2	8	10	1	1	1

	Afadzato South	0.48	23	70	93	3	12	15	1	1	2
	Agotime-Ziope	0.56	9	28	37	1	5	6	0	0	1
	Akatsi North	0.68	12	37	49	2	6	8	1	1	1
	Akatsi South	0.60	31	95	126	4	16	21	1	2	3
	Biakoye	0.62	21	63	83	3	11	14	1	1	2
	Central Tongu	0.79	27	82	109	4	14	18	1	1	3
	Ho Municipal	0.50	53	162	216	7	28	35	2	3	5
	Ho West	0.67	30	92	122	4	16	20	1	2	3
	Hohoe Municipal	0.63	56	171	227	8	29	37	2	3	5
	Jasikan	0.76	22	68	91	3	12	15	1	1	2
	Kadjebi	0.25	8	23	30	1	4	5	0	0	1
	Keta Municipal	0.44	36	110	146	5	19	24	2	2	3
	Ketu North	0.84	44	135	179	6	23	29	2	2	4
	Ketu South	0.83	71	217	288	10	37	47	3	4	7
	Kpando Municipal	0.80	23	70	93	3	12	15	1	1	2
	Krachi East	0.31	19	58	77	3	10	13	1	1	2
	Krachi Nchumuru	0.28	11	32	43	1	6	7	0	1	1
	Krachi West	0.83	22	66	88	3	11	14	1	1	2
	Nkwanta North	0.18	6	19	25	1	3	4	0	0	1
	Nkwanta South	0.32	19	57	76	3	10	12	1	1	2
	North Dayi	0.63	12	36	48	2	6	8	1	1	1
	North Tongu	1.68	90	274	364	13	47	60	4	5	8
	South Dayi	0.73	18	55	73	3	9	12	1	1	2
	South Tongu	0.56	26	80	107	4	14	18	1	1	2
Western	Ahanta West	0.74	45	137	182	6	24	30	2	2	4
	Aowin	1.15	77	235	312	11	40	51	3	4	7
	Bia East	1.03	17	51	68	2	9	11	1	1	2
	Bia west	0.62	31	96	127	4	16	21	1	2	3
	Bodi	0.56	17	51	68	2	9	11	1	1	2
	Ellembelle	1.64	90	276	367	13	48	60	4	5	9
	Jomoro	0.51	46	139	185	6	24	30	2	2	4
	Juabeso	0.52	18	55	73	3	10	12	1	1	2
	Mpohor	0.10	2	7	9	0	1	2	0	0	0
	Nzema East	0.32	12	35	47	2	6	8	1	1	1
	Prestea/Huni Valley	0.45	41	125	166	6	22	27	2	2	4
	Sefwi Akontombra	0.72	32	99	132	5	17	22	1	2	3
	Sefwi Bibiani-Ahwiaso Bekwai	0.77	59	181	240	8	31	39	3	3	6
	Sefwi Wiawso	1.84	155	474	629	22	82	103	7	8	15
	Sekondi Takoradi Metropolis	0.95	356	1087	1443	50	187	237	16	18	34

	Shama	0.26	12	38	50	2	7	8	1	1	1
	Suaman	0.38	5	16	22	1	3	4	0	0	1
	Tarkwa Nsuaem Municipal	0.54	30	92	122	4	16	20	1	2	3
	Wassa Amenfi Central	0.28	11	33	44	2	6	7	0	1	1
	Wassa Amenfi East	0.99	47	142	189	7	25	31	2	2	4
	Wassa Amenfi West	0.66	36	110	146	5	19	24	2	2	3
	Wassa East	0.40	16	50	67	2	9	11	1	1	2

Table 39. District Summary 15-49 years

Region	District	HIV Prevalence	HIV Population			New HIV Infection			Annual AIDS Deaths		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Ashanti	Adansi North	0.89	151	345	496	10	20	30	9	11	20
	Adansi South	0.93	171	389	560	11	23	34	10	13	23
	Afigya Kwabre	1.51	350	798	1148	23	47	70	21	26	46
	Ahafo Ano North	1.34	216	493	710	14	29	43	13	16	29
	Ahafo Ano South	1.35	259	590	849	17	34	52	15	19	34
	Amansie Central	2.22	312	712	1024	21	42	62	18	23	41
	Amansie West	1.01	228	520	748	15	30	45	13	17	30
	Asante Akim Central Municipal	2.49	305	695	1000	20	41	61	18	23	40
	Asante Akim North	1.75	195	444	639	13	26	39	11	14	26
	Asante Akim South	1.12	209	477	686	14	28	42	12	15	28
	Asokore Mampong Municipal	2.92	1730	3946	5677	114	230	344	102	128	230
	Atwima Kwanwoma	1.14	180	412	592	12	24	36	11	13	24
	Atwima Mponua	1.12	218	498	716	14	29	43	13	16	29
	Atwima Nwabiagya	1.92	519	1185	1704	34	69	103	31	38	69
	Bekwai Municipal	1.54	255	581	836	17	34	51	15	19	34
	Bosome Freho	0.97	95	217	312	6	13	19	6	7	13
	Bosumtwi	1.64	268	610	878	18	36	53	16	20	36
	Ejisu Juaben Municipal	2.30	562	1282	1844	37	75	112	33	42	75
	Ejura Sekye Dumasi	0.80	119	271	390	8	16	24	7	9	16
	Kumasi Metropolis	1.41	4897	11169	16066	323	651	975	288	362	650
	Kwabre East	0.91	192	438	630	13	26	38	11	14	26
	Mampon	2.60	375	855	1230	25	50	75	22	28	50

	g Municipal										
	Obuasi Municipal	2.20	715	1630	2345	47	95	142	42	53	95
	Offinso Municipal	0.95	121	277	398	8	16	24	7	9	16
	Offinso North	1.51	141	321	462	9	19	28	8	10	19
	Sekyere Afram Plains North	1.27	60	137	197	4	8	12	4	4	8
	Sekyere Central	1.71	193	439	632	13	26	38	11	14	26
	Sekyere East	1.50	152	346	497	10	20	30	9	11	20
	Sekyere Kumewu	1.85	189	430	619	12	25	38	11	14	25
	Sekyere South	1.46	227	519	746	15	30	45	13	17	30
Brong Ahafo	Asunafo North Municipal	1.78	384	875	1259	25	51	76	23	28	51
	Asunafo South	1.24	200	456	656	13	27	40	12	15	27
	Asutifi North	2.37	227	519	746	15	30	45	13	17	30
	Asutifi South	3.37	334	761	1094	22	44	66	20	25	44
	Atebubu Amantin	2.64	480	1094	1573	32	64	95	28	35	64
	Banda	1.57	54	123	176	4	7	11	3	4	7
	Berekum Municipal	2.70	636	1451	2087	42	85	127	37	47	85
	Dormaa Central Municipal	2.60	221	504	725	15	29	44	13	16	29
	Dormaa East	2.29	463	1055	1518	31	62	92	27	34	61
	Dormaa West	2.73	234	534	769	15	31	47	14	17	31
	Jaman North	2.04	293	668	961	19	39	58	17	22	39
	Jaman South	1.74	274	625	899	18	36	55	16	20	36
	Kintampo North Municipal	1.55	250	570	820	17	33	50	15	18	33
	Kintampo South	0.94	126	288	414	8	17	25	7	9	17
	Nkoranza North	0.81	89	204	294	6	12	18	5	7	12
	Nkoranza South	1.56	251	571	822	17	33	50	15	19	33
	Pru	0.78	170	388	558	11	23	34	10	13	23
	Sene East	0.49	49	112	161	3	7	10	3	4	7
	Sene West	0.47	46	104	150	3	6	9	3	3	6
	Sunyani Municipal	2.40	620	1414	2034	41	82	123	36	46	82

	Sunyani West	1.67	262	597	859	17	35	52	15	19	35
	Tain	1.31	195	446	641	13	26	39	12	14	26
	Tano North	1.24	174	397	571	11	23	35	10	13	23
	Tano South	1.42	188	428	615	12	25	37	11	14	25
	Techiman Municipal	2.65	725	1653	2377	48	96	144	43	54	96
	Techiman North	1.05	115	263	379	8	15	23	7	9	15
	Wenchi Municipal	1.99	309	706	1015	20	41	62	18	23	41
Central	Abura-Asebu-Kwaman kese	1.65	282	644	926	19	38	56	17	21	37
	Agona East	3.53	468	1066	1534	31	62	93	28	35	62
	Agona West Municipal	1.15	216	492	708	14	29	43	13	16	29
	Ajumako-Enyan-Essiam	1.87	355	810	1166	23	47	71	21	26	47
	Asikuma-Odobren Brakwa	0.92	154	351	505	10	20	31	9	11	20
	Assin North Municipal	2.30	605	1380	1986	40	81	120	36	45	80
	Assin South	0.70	112	255	367	7	15	22	7	8	15
	Awutu Senya East Municipal	1.77	358	816	1174	24	48	71	21	26	48
	Cape Coast Metropolis	1.21	412	940	1353	27	55	82	24	30	55
	Effutu Municipal	2.14	281	642	923	19	37	56	17	21	37
	Ekumfi	1.65	121	276	397	8	16	24	7	9	16
	Ewutu Senya	1.63	230	524	754	15	31	46	14	17	31
	Gomoa East	1.97	709	1617	2326	47	94	141	42	52	94
	Gomoa West	1.43	285	649	934	19	38	57	17	21	38
	Komenda-Edina-Eguafo-Abirem Municipal	2.07	454	1035	1489	30	60	90	27	34	60
	Mfantsiman	1.11	257	586	843	17	34	51	15	19	34
	Twifo Ati Morkwa	1.59	164	374	539	11	22	33	10	12	22
	Twifo Heman	1.15	104	237	340	7	14	21	6	8	14

	Lower Denkyira										
	Upper Denkyira East Municipal	2.67	336	766	1102	22	45	67	20	25	45
	Upper Denkyira West	3.30	319	727	1046	21	42	63	19	24	42
Eastern	Akwapim North	3.48	792	1807	2599	52	105	158	47	59	105
	Akwapim South	1.81	115	263	379	8	15	23	7	9	15
	Akyemansa	0.83	128	292	420	8	17	25	8	9	17
	Asuogyaman	4.20	707	1613	2320	47	94	141	42	52	94
	Atiwa	2.13	378	861	1239	25	50	75	22	28	50
	Ayensuanono	1.87	226	516	742	15	30	45	13	17	30
	Birim Municipal	1.68	424	967	1390	28	56	84	25	31	56
	Birim North	2.74	366	834	1199	24	49	73	22	27	49
	Birim South	1.07	205	469	674	14	27	41	12	15	27
	Denkyembuor	2.97	407	928	1335	27	54	81	24	30	54
	East Akim Municipal	2.12	617	1408	2025	41	82	123	36	46	82
	Fanteakwa	1.89	338	771	1109	22	45	67	20	25	45
	Kwaebibi	2.48	476	1086	1562	31	63	95	28	35	63
	Kwahu Afram Plains North	2.36	407	928	1335	27	54	81	24	30	54
	Kwahu Afram Plains South	1.98	396	903	1299	26	53	79	23	29	53
	Kwahu East	2.29	271	618	889	18	36	54	16	20	36
	Kwahu South	2.98	335	764	1099	22	45	67	20	25	44
	Kwahu West Municipal	1.38	229	521	750	15	30	46	13	17	30
	Lower Manya Krobo Municipal	5.64	924	2107	3032	61	123	184	54	68	123
	New Juaben Municipal	1.94	724	1651	2376	48	96	144	43	54	96
	Nsawam Adoagyiri Municipal	1.68	275	628	903	18	37	55	16	20	37
	Suhum Municipal	1.52	234	533	767	15	31	47	14	17	31

	Upper Many Krobo	2.26	267	610	877	18	36	53	16	20	36
	Upper West Akim	1.01	143	327	470	9	19	29	8	11	19
	West Akim Municipal	1.58	286	653	939	19	38	57	17	21	38
	Yilo Krobo Municipal	4.97	751	1714	2465	50	100	150	44	56	100
Greater Accra	Accra Metropolis	2.35	8502	19391	27893	561	1131	1692	500	629	1129
	Ada East	2.30	270	616	887	18	36	54	16	20	36
	Ada West	3.45	334	762	1097	22	44	67	20	25	44
	Adenta Municipal	0.78	129	294	423	9	17	26	8	10	17
	Ashaiman Municipal	2.24	902	2058	2961	60	120	180	53	67	120
	Ga Central Municipal	0.98	230	525	755	15	31	46	14	17	31
	Ga East Municipal	1.45	450	1027	1478	30	60	90	27	33	60
	Ga South Municipal	1.66	1369	3123	4492	90	182	273	81	101	182
	Ga West Municipal	1.77	798	1821	2619	53	106	159	47	59	106
	Kpone Katamanso	1.56	351	800	1151	23	47	70	21	26	47
	La Dadekotopon Municipal	1.63	616	1405	2021	41	82	123	36	46	82
	La Nkwantanang-Madina Municipal	1.86	448	1023	1471	30	60	89	26	33	60
	Ledzokuku Krowor Municipal	1.84	858	1957	2815	57	114	171	51	63	114
	Ningo Prampram	2.71	344	785	1129	23	46	69	20	25	46
	Shai Osudoku	2.50	228	520	748	15	30	45	13	17	30
	Tema Metropolis	2.36	1425	3251	4676	94	190	284	84	105	189
Northern	Bole	0.72	75	171	246	5	10	15	4	6	10
	Bunkpurgu Yunyoo	0.60	110	251	362	7	15	22	6	8	15
	Chereponi	0.19	15	35	51	1	2	3	1	1	2
	East Gonja	1.20	275	626	901	18	37	55	16	20	36

	East Mamprusi	0.09	17	38	55	1	2	3	1	1	2
	Gonja Central	0.11	15	34	49	1	2	3	1	1	2
	Gushiegu	0.02	4	8	12	0	0	1	0	0	0
	Karaga	0.00	0	0	0	0	0	0	0	0	0
	Kpandai	0.08	14	33	48	1	2	3	1	1	2
	Kumbungu	0.10	7	15	22	0	1	1	0	0	1
	Mamprugu Moagduri	0.21	15	35	51	1	2	3	1	1	2
	Mion	0.03	4	9	13	0	1	1	0	0	1
	Nanumba North	0.09	20	46	66	1	3	4	1	1	3
	Nanumba South	0.14	21	48	68	1	3	4	1	2	3
	North Gonja	0.20	14	33	47	1	2	3	1	1	2
	Saboba	0.06	6	13	19	0	1	1	0	0	1
	Sagnerigu Municipal	0.14	39	89	128	3	5	8	2	3	5
	Savelugu-Nanton	0.07	16	36	52	1	2	3	1	1	2
	Sawla-Tuna-Kalba	0.46	66	151	217	4	9	13	4	5	9
	Tamale Metropolis	0.33	141	323	464	9	19	28	8	10	19
	Tatale Sanguli	0.03	3	7	10	0	0	1	0	0	0
	Tolon	0.05	6	13	19	0	1	1	0	0	1
	West Gonja	0.75	54	122	176	4	7	11	3	4	7
	West Mamprusi	0.09	18	40	58	1	2	3	1	1	2
	Yendi Municipal	0.17	34	79	113	2	5	7	2	3	5
Upper East	Zabzugu	0.16	17	38	55	1	2	3	1	1	2
	Bawku Municipal	0.28	45	103	148	3	6	9	3	3	6
	Bawku West	0.18	24	55	80	2	3	5	1	2	3
	Binduri	0.53	46	106	152	3	6	9	3	3	6
	Bolgatanga Municipal	0.68	161	367	528	11	21	32	9	12	21
	Bongo	0.64	81	185	267	5	11	16	5	6	11
	Builsa North	0.79	72	165	237	5	10	14	4	5	10
	Builsa South	1.01	59	135	194	4	8	12	3	4	8
	Garu Tempane	0.13	23	52	75	2	3	5	1	2	3
	Kasena Nankana East	0.64	116	265	382	8	15	23	7	9	15

	Kasena Nankana West	0.53	63	143	206	4	8	12	4	5	8
	Nabdam	0.54	28	64	92	2	4	6	2	2	4
	Pusiga	0.22	19	43	61	1	2	4	1	1	2
	Talensi	0.62	79	179	258	5	10	16	5	6	10
Upper West	Daffiama Bussie	0.66	34	76	110	2	4	7	2	2	4
	Jirapa	0.17	22	51	73	1	3	4	1	2	3
	Lambussi e Karni	0.10	8	18	26	1	1	2	0	1	1
	Lawra	0.56	47	108	155	3	6	9	3	3	6
	Nadowli-Kaleo	0.46	44	100	144	3	6	9	3	3	6
	Nandom	0.20	15	34	49	1	2	3	1	1	2
	Sissala East	0.18	17	39	56	1	2	3	1	1	2
	Sissala West	0.20	15	34	49	1	2	3	1	1	2
	Wa East	0.12	13	29	41	1	2	2	1	1	2
	Wa Municipal	0.52	108	245	353	7	14	21	6	8	14
	Wa West	0.41	49	112	161	3	7	10	3	4	6
Volta	Adaklu	1.98	130	296	425	9	17	26	8	10	17
	Afadzato South	1.36	207	473	680	14	28	41	12	15	28
	Agotime-Ziope	1.57	81	185	266	5	11	16	5	6	11
	Akatsi North	1.92	102	233	336	7	14	20	6	8	14
	Akatsi South	1.68	267	609	876	18	36	53	16	20	35
	Biakoye	1.73	187	425	612	12	25	37	11	14	25
	Central Tongu	2.21	219	500	719	14	29	44	13	16	29
	Ho Municipal	1.41	478	1090	1568	32	64	95	28	35	63
	Ho West	1.90	288	657	945	19	38	57	17	21	38
	Hohoe Municipal	1.78	518	1181	1699	34	69	103	30	38	69
	Jasikan	2.14	212	483	695	14	28	42	12	16	28
	Kadjebi	0.70	69	158	227	5	9	14	4	5	9
	Keta Municipal	1.24	306	697	1003	20	41	61	18	23	41
	Ketu North	2.36	382	871	1253	25	51	76	22	28	51
	Ketu South	2.33	655	1493	2147	43	87	130	39	48	87
	Kpando Municipal	2.24	207	472	679	14	28	41	12	15	27
	Krachi East	0.87	167	381	548	11	22	33	10	12	22
	Krachi Nchumuru	0.78	91	207	297	6	12	18	5	7	12
	Krachi	2.34	189	431	620	12	25	38	11	14	25

	West										
	Nkwanta North	0.51	52	118	170	3	7	10	3	4	7
	Nkwanta South	0.89	170	389	559	11	23	34	10	13	23
	North Dayi	1.78	110	251	361	7	15	22	6	8	15
	North Tongu	4.72	731	1668	2399	48	97	146	43	54	97
	South Dayi	2.05	156	355	510	10	21	31	9	12	21
	South Tongu	1.57	225	513	737	15	30	45	13	17	30
Western	Ahanta West	2.05	394	899	1293	26	52	78	23	29	52
	Aowin	3.20	725	1654	2379	48	96	144	43	54	96
	Bia East	2.87	154	352	506	10	21	31	9	11	20
	Bia west	1.73	284	648	932	19	38	57	17	21	38
	Bodi	1.55	149	341	490	10	20	30	9	11	20
	Ellembelle	4.57	751	1712	2463	50	100	149	44	56	100
	Jomoro	1.43	402	918	1320	27	54	80	24	30	53
	Juabeso	1.45	165	376	541	11	22	33	10	12	22
	Mpohor	0.27	21	48	69	1	3	4	1	2	3
	Nzema East	0.89	102	233	335	7	14	20	6	8	14
	Prestea/Huni Valley	1.26	377	860	1237	25	50	75	22	28	50
	Sefwi Akontombra	2.00	309	706	1015	20	41	62	18	23	41
	Sefwi Bibiani-Ahwiaso Bekwai	2.14	496	1132	1629	33	66	99	29	37	66
	Sefwi Wiawso	5.13	1337	3049	4386	88	178	266	79	99	178
	Sekondi Takoradi Metropolis	2.65	3108	7087	10194	205	413	619	183	230	413
	Shama	0.72	104	237	341	7	14	21	6	8	14
	Suaman	1.06	45	103	149	3	6	9	3	3	6
	Tarkwa Nsuaem Municipal	1.52	275	627	902	18	37	55	16	20	37
	Wassa Amenfi Central	0.79	98	223	321	6	13	19	6	7	13
	Wassa Amenfi East	2.75	414	943	1357	27	55	82	24	31	55
	Wassa Amenfi West	1.83	318	724	1042	21	42	63	19	23	42
	Wassa East	1.10	155	354	510	10	21	31	9	11	21

Table 40. District Summary 15+ years

Region	District	HIV Prevalence	HIV Population			HIV New Infection			Annual AIDS Deaths		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Ashanti	Adansi North	0.87	204	410	614	12	22	34	13	14	28
	Adansi South	0.90	230	461	691	13	25	38	15	16	31
	Afigya Kwabre	1.47	450	903	1353	26	49	74	30	31	61
	Ahafo Ano North	1.31	285	572	857	16	31	47	19	20	38
	Ahafo Ano South	1.32	348	700	1048	20	38	58	23	24	47
	Amansie Central	2.17	435	873	1308	25	47	72	29	30	59
	Amansie West	0.98	298	599	897	17	32	49	20	21	40
	Asante Akim Central Municipal	2.43	408	820	1228	23	44	68	27	28	55
	Asante Akim North	1.71	266	535	801	15	29	44	17	18	36
	Asante Akim South	1.10	296	595	891	17	32	49	19	21	40
	Asokore Mampong Municipal	2.85	2180	4378	6557	124	237	361	143	151	294
	Atwima Kwanwoma	1.11	232	465	697	13	25	38	15	16	31
	Atwima Mponua	1.09	289	581	870	16	31	48	19	20	39
	Atwima Nwabiagya	1.88	656	1317	1973	37	71	109	43	46	89
	Bekwai Municipal	1.51	357	718	1075	20	39	59	23	25	48
	Bosome Freho	0.95	133	266	399	8	14	22	9	9	18
	Bosumtwi	1.61	352	706	1058	20	38	58	23	24	48
	Ejisu Juaben Municipal	2.25	749	1504	2252	42	81	124	49	52	101
	Ejura Sekye Dumasi	0.79	154	309	462	9	17	25	10	11	21
	Kumasi Metropolis	1.37	6117	12287	18404	347	666	1013	402	425	826
	Kwabre East	0.89	239	479	718	14	26	40	16	17	32
	Mampong Municipal	2.54	502	1009	1511	28	55	83	33	35	68
	Obuasi Municipal	2.15	884	1775	2659	50	96	146	58	61	119

	Offinso Municipal	0.93	160	321	481	9	17	26	11	11	22
	Offinso North	1.48	183	368	551	10	20	30	12	13	25
	Sekyere Afram Plains North	1.24	74	149	224	4	8	12	5	5	10
	Sekyere Central	1.67	269	540	809	15	29	45	18	19	36
	Sekyere East	1.46	208	418	627	12	23	34	14	14	28
	Sekyere Kumewu	1.81	268	538	805	15	29	44	18	19	36
	Sekyere South	1.42	312	627	940	18	34	52	21	22	42
Brong Ahafo	Asunafo North Municipal	1.73	493	990	1482	28	54	82	32	34	67
	Asunafo South	1.21	257	517	774	15	28	43	17	18	35
	Asutifi North	2.30	290	582	872	16	32	48	19	20	39
	Asutifi South	3.27	419	842	1261	24	46	69	28	29	57
	Atebubu Amantin	2.57	610	1224	1834	35	66	101	40	42	82
	Banda	1.53	73	147	221	4	8	12	5	5	10
	Berekum Municipal	2.62	823	1654	2477	47	90	136	54	57	111
	Dormaa Central Municipal	2.52	301	605	906	17	33	50	20	21	41
	Dormaa East	2.22	615	1235	1849	35	67	102	40	43	83
	Dormaa West	2.65	301	605	906	17	33	50	20	21	41
	Jaman North	1.98	388	779	1167	22	42	64	25	27	52
	Jaman South	1.69	364	732	1096	21	40	60	24	25	49
	Kintampo North Municipal	1.51	322	648	970	18	35	53	21	22	44
	Kintampo South	0.91	167	336	503	9	18	28	11	12	23
	Nkoranza North	0.79	122	245	368	7	13	20	8	8	17
	Nkoranza South	1.51	322	647	968	18	35	53	21	22	43
	Pru	0.76	214	430	644	12	23	35	14	15	29
	Sene East	0.48	62	125	187	4	7	10	4	4	8
	Sene West	0.46	59	118	176	3	6	10	4	4	8
	Sunyani Municipal	2.33	762	1530	2292	43	83	126	50	53	103
	Sunyani West	1.62	335	672	1007	19	36	55	22	23	45
	Tain	1.27	262	525	787	15	28	43	17	18	35
	Tano North	1.21	230	462	693	13	25	38	15	16	31
	Tano South	1.38	245	491	736	14	27	40	16	17	33
	Techiman Municipal	2.57	908	1825	2733	52	99	150	60	63	123

	Techiman North	1.01	147	295	442	8	16	24	10	10	20
	Wenchi Municipal	1.94	407	818	1225	23	44	67	27	28	55
Central	Abura-Asebu-Kwamankese	1.53	378	760	1138	21	41	63	25	26	51
	Agona East	3.28	634	1274	1908	36	69	105	42	44	86
	Agona West Municipal	1.07	287	576	862	16	31	47	19	20	39
	Ajumako-Enyan-Essiam	1.73	497	997	1494	28	54	82	33	34	67
	Asikuma-Odobren Brakwa	0.85	209	419	628	12	23	35	14	14	28
	Assin North Municipal	2.14	772	1551	2323	44	84	128	51	54	104
	Assin South	0.65	149	300	450	8	16	25	10	10	20
	Awutu Senya East Municipal	1.64	422	847	1268	24	46	70	28	29	57
	Cape Coast Metropolis	1.13	491	986	1477	28	53	81	32	34	66
	Effutu Municipal	1.99	349	701	1050	20	38	58	23	24	47
	Ekumfi	1.54	174	350	524	10	19	29	11	12	24
	Ewutu Senya	1.52	294	590	884	17	32	49	19	20	40
	Gomoa East	1.83	869	1746	2616	49	95	144	57	60	117
	Gomoa West	1.33	397	798	1195	23	43	66	26	28	54
	Komenda-Edina-Eguafo-Abirem Municipal	1.92	596	1198	1794	34	65	99	39	41	81
	Mfantsiman	1.03	328	659	987	19	36	54	22	23	44
	Twifo Ati Morkwa	1.48	205	411	616	12	22	34	13	14	28
	Twifo Heman Lower Denkyira	1.07	132	264	396	7	14	22	9	9	18
	Upper Denkyira East Municipal	2.48	430	864	1295	24	47	71	28	30	58
	Upper Denkyira West	3.06	406	816	1222	23	44	67	27	28	55
Eastern	Akwapim North	3.18	1074	2158	3232	61	117	178	71	75	145
	Akwapim South	1.65	149	298	447	8	16	25	10	10	20
	Akyemansa	0.76	168	337	505	10	18	28	11	12	23

	Asuogyaman	3.85	916	1840	2756	52	100	152	60	64	124
	Atiwa	1.95	506	1016	1523	29	55	84	33	35	68
	Ayensuano	1.71	305	612	917	17	33	50	20	21	41
	Birim Municipal	1.54	531	1067	1598	30	58	88	35	37	72
	Birim North	2.51	466	936	1402	26	51	77	31	32	63
	Birim South	0.98	272	546	818	15	30	45	18	19	37
	Denkyembor	2.72	508	1020	1528	29	55	84	33	35	69
	East Akim Municipal	1.94	818	1644	2462	46	89	136	54	57	111
	Fanteakwa	1.73	444	891	1335	25	48	73	29	31	60
	Kwaebibirem	2.27	608	1222	1830	35	66	101	40	42	82
	Kwahu Afram Plains North	2.16	482	967	1449	27	52	80	32	33	65
	Kwahu Afram Plains South	1.81	471	947	1418	27	51	78	31	33	64
	Kwahu East	2.09	377	757	1134	21	41	62	25	26	51
	Kwahu South	2.73	449	902	1350	25	49	74	29	31	61
	Kwahu West Municipal	1.27	291	584	875	17	32	48	19	20	39
	Lower Manya Krobo Municipal	5.16	1167	2344	3511	66	127	193	77	81	158
	New Juaben Municipal	1.77	922	1852	2774	52	100	153	61	64	125
	Nsawam Adoagyiri Municipal	1.53	342	686	1027	19	37	57	22	24	46
	Suhum Municipal	1.39	302	606	908	17	33	50	20	21	41
	Upper Manya Krobo	2.07	344	690	1034	19	37	57	23	24	46
	Upper West Akim	0.92	186	374	560	11	20	31	12	13	25
	West Akim Municipal	1.44	370	744	1115	21	40	61	24	26	50
	Yilo Krobo Municipal	4.54	969	1946	2915	55	105	160	64	67	131
Greater Accra	Accra Metropolis	2.35	####	22109	33117	625	1198	1823	723	764	1487
	Ada East	2.29	380	763	1143	22	41	63	25	26	51
	Ada West	3.44	448	900	1348	25	49	74	29	31	61
	Adenta Municipal	0.78	158	318	477	9	17	26	10	11	21
	Ashaiman Municipal	2.24	1125	2260	3385	64	122	186	74	78	152
	Ga Central Municipal	0.98	289	580	869	16	31	48	19	20	39
	Ga East	1.45	568	1142	1710	32	62	94	37	39	77

	Municipal										
	Ga South Municipal	1.66	1708	3431	5139	97	186	283	112	119	231
	Ga West Municipal	1.77	1005	2019	3024	57	109	166	66	70	136
	Kpone Katamanso	1.56	432	867	1299	24	47	71	28	30	58
	La Dadekotopon Municipal	1.62	810	1626	2436	46	88	134	53	56	109
	La Nkwantanga-Madina Municipal	1.86	569	1143	1713	32	62	94	37	40	77
	Ledzokuku Krowor Municipal	1.83	1106	2223	3329	63	120	183	73	77	149
	Ningo Prampram	2.70	455	914	1370	26	50	75	30	32	62
	Shai Osudoku	2.50	308	620	928	18	34	51	20	21	42
	Tema Metropolis	2.35	1875	3767	5643	106	204	311	123	130	253
Northern	Bole	0.70	97	195	292	6	11	16	6	7	13
	Bunkpurugu Yunyoo	0.59	147	295	441	8	16	24	10	10	20
	Chereponi	0.19	20	40	59	1	2	3	1	1	3
	East Gonja	1.16	348	699	1047	20	38	58	23	24	47
	East Mamprusi	0.09	22	43	65	1	2	4	1	1	3
	Gonja Central	0.10	19	37	56	1	2	3	1	1	3
	Gushiegu	0.02	5	9	14	0	1	1	0	0	1
	Karaga	0.00	0	0	0	0	0	0	0	0	0
	Kpandai	0.08	18	37	56	1	2	3	1	1	2
	Kumbungu	0.10	9	17	26	0	1	1	1	1	1
	Mamprugu Moagduri	0.20	20	41	61	1	2	3	1	1	3
	Mion	0.03	5	10	15	0	1	1	0	0	1
	Nanumba North	0.09	26	51	77	1	3	4	2	2	3
	Nanumba South	0.14	26	53	79	1	3	4	2	2	4
	North Gonja	0.20	18	36	54	1	2	3	1	1	2
	Saboba	0.06	7	15	22	0	1	1	0	1	1
	Sagnerigu Municipal	0.14	49	99	148	3	5	8	3	3	7
	Savelugu-Nanton	0.07	21	42	63	1	2	3	1	1	3
	Sawla-Tuna-Kalba	0.45	92	184	276	5	10	15	6	6	12
	Tamale Metropolis	0.32	179	360	540	10	20	30	12	12	24
	Tatale Sanguli	0.03	4	8	11	0	0	1	0	0	1
	Tolon	0.05	8	15	23	0	1	1	1	1	1

	West Gonja	0.73	69	139	208	4	8	11	5	5	9
	West Mamprusi	0.09	23	46	69	1	2	4	2	2	3
	Yendi Municipal	0.17	45	90	134	3	5	7	3	3	6
	Zabzugu	0.15	21	42	63	1	2	3	1	1	3
Upper East	Bawku Municipal	0.25	56	113	170	3	6	9	4	4	8
	Bawku West	0.16	32	64	96	2	3	5	2	2	4
	Binduri	0.48	63	127	190	4	7	10	4	4	9
	Bolgatanga Municipal	0.61	197	395	592	11	21	33	13	14	27
	Bongo	0.58	109	218	327	6	12	18	7	8	15
	Builsa North	0.71	94	188	282	5	10	16	6	7	13
	Builsa South	0.91	77	154	231	4	8	13	5	5	10
	Garu Tempene	0.12	31	63	94	2	3	5	2	2	4
	Kasena Nankana East	0.57	148	298	446	8	16	25	10	10	20
	Kasena Nankana West	0.48	82	164	245	5	9	14	5	6	11
	Nabdam	0.49	37	74	111	2	4	6	2	3	5
	Pusiga	0.20	24	48	72	1	3	4	2	2	3
	Talensi	0.56	104	209	314	6	11	17	7	7	14
Upper West	Daffiama Bussie	0.61	44	89	133	3	5	7	3	3	6
	Jirapa	0.15	30	60	90	2	3	5	2	2	4
	Lambussie Karni	0.09	11	22	32	1	1	2	1	1	1
	Lawra	0.52	64	129	194	4	7	11	4	4	9
	Nadowli-Kaleo	0.42	60	120	180	3	6	10	4	4	8
	Nandom	0.18	20	41	61	1	2	3	1	1	3
	Sissala East	0.17	21	42	63	1	2	3	1	1	3
	Sissala West	0.18	19	38	57	1	2	3	1	1	3
	Wa East	0.11	16	32	48	1	2	3	1	1	2
	Wa Municipal	0.48	128	258	386	7	14	21	8	9	17
	Wa West	0.38	65	130	194	4	7	11	4	4	9
Volta Western	Adaklu	1.78	159	320	479	9	17	26	10	11	22
	Afadzato South	1.22	281	565	846	16	31	47	18	20	38
	Agotime-Ziope	1.42	104	209	313	6	11	17	7	7	14
	Akatsi North	1.73	144	289	433	8	16	24	9	10	19
	Akatsi South	1.51	347	698	1045	20	38	58	23	24	47
	Biakoye	1.56	240	481	721	14	26	40	16	17	32
	Central Tongu	1.99	282	567	849	16	31	47	19	20	38
	Ho Municipal	1.27	607	1219	1825	34	66	100	40	42	82
	Ho West	1.71	404	811	1215	23	44	67	27	28	55

	Hohoe Municipal	1.61	673	1352	2026	38	73	111	44	47	91
	Jasikan	1.93	278	558	836	16	30	46	18	19	38
	Kadjebi	0.63	89	180	269	5	10	15	6	6	12
	Keta Municipal	1.11	421	845	1266	24	46	70	28	29	57
	Ketu North	2.13	505	1015	1521	29	55	84	33	35	68
	Ketu South	2.10	818	1643	2462	46	89	135	54	57	111
	Kpando Municipal	2.02	267	537	804	15	29	44	18	19	36
	Krachi East	0.78	196	395	591	11	21	33	13	14	27
	Krachi Nchumuru	0.70	109	218	327	6	12	18	7	8	15
	Krachi West	2.11	227	457	684	13	25	38	15	16	31
	Nkwanta North	0.46	60	121	181	3	7	10	4	4	8
	Nkwanta South	0.80	204	409	613	12	22	34	13	14	28
	North Dayi	1.61	160	322	482	9	17	27	11	11	22
	North Tongu	4.25	913	1834	2747	52	99	151	60	63	123
	South Dayi	1.85	205	412	617	12	22	34	13	14	28
	South Tongu	1.41	293	589	883	17	32	49	19	20	40
	Ahanta West	2.01	522	1048	1569	30	57	86	34	36	70
Western	Aowin	3.14	914	1836	2750	52	99	151	60	63	123
	Bia East	2.82	193	387	580	11	21	32	13	13	26
	Bia west	1.70	352	706	1058	20	38	58	23	24	48
	Bodi	1.52	190	382	572	11	21	31	12	13	26
	Ellembelle	4.48	986	1980	2966	56	107	163	65	68	133
	Jomoro	1.40	521	1046	1566	30	57	86	34	36	70
	Juabeso	1.42	205	411	616	12	22	34	13	14	28
	Mpohor	0.26	28	56	84	2	3	5	2	2	4
	Nzema East	0.87	132	265	397	7	14	22	9	9	18
	Prestea/Huni Valley	1.24	482	969	1451	27	53	80	32	33	65
	Sefwi Akontombra	1.96	388	780	1168	22	42	64	25	27	52
	Sefwi Bibiani-Ahwiaso Bekwai	2.10	643	1292	1936	37	70	107	42	45	87
	Sefwi Wiawso	5.03	1717	3449	5166	97	187	284	113	119	232
	Sekondi Takoradi Metropolis	2.60	4040	8115	12156	229	440	669	265	280	546
	Shama	0.71	140	280	420	8	15	23	9	10	19
	Suaman	1.04	55	111	166	3	6	9	4	4	7
	Tarkwa Nsuaem Municipal	1.49	343	689	1032	19	37	57	23	24	46
	Wassa Amenfi	0.77	127	254	381	7	14	21	8	9	17

	Central										
	Wassa Amenfi East	2.70	540	1085	1625	31	59	89	35	37	73
	Wassa Amenfi West	1.80	404	811	1214	23	44	67	27	28	55
	Wassa East	1.08	207	417	624	12	23	34	14	14	28