

Maryland HIV/AIDS Quarterly Update

First Quarter 2015

Data reported through March 31, 2015



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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician’s office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report

patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.

- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:
<http://phpa.dhmh.maryland.gov/oideor/chse/sitepages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5061.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis. Nationally, it has been estimated that 14% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department. Please note that not all data has been geocoded in the quarterly reports and therefore is preliminary. Geocoding is the process of assigning geographic identifiers to map features and data records. Addresses are standard data elements required by law and submitted as part of reporting requirements; however, the information may be incomplete which then requires a geocoding process to improve the quality of data. This process is fully completed on the end-of-the-year data set.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

For surveillance purposes, a case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, or years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would have been many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old cases. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (the end of the year) are used to generate the number of diagnoses during the prior years. This one year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 4/1/2013-3/31/2014 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 4/1/2013-3/31/2014, as reported by name through 3/31/2015.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the Reported HIV Diagnoses each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 3/31/2013 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 3/31/2013 as reported by name through 3/31/2015.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured at least 2-3 times per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" initially after diagnosis or in following years that they remain "in care".

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), March 31, 2015.

Population data by sex, age, and race are from the July 1, 2013 U.S. Census Estimates. Due to estimation limitations, some population totals may not equal the sum of its components.

Tabulation of Column Totals

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

On-line Mapping Tool

Please visit the Maryland Department of Health and Mental Hygiene's website at <http://phpa.dhmh.maryland.gov/oideor/chse> to create your own maps of adult/adolescent HIV rates by jurisdiction of residence, subset them by sex at birth and race/ethnicity, zoom in to the jurisdiction level, plot the locations of HIV testing sites, and print out your custom map.

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of 3/31/2014.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of 3/31/2014.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 3/31/2014.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Median: The measure of central location which divides a set of data into two equal parts.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to 3/31/2014.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to 3/31/2014 of 400 copies per milliliter or greater.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to 3/31/2014 of less than 400 copies per milliliter.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2013.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to 3/31/2014.

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to 3/31/2014.

Suggested Citation: Maryland HIV/AIDS Epidemiology Profile, First Quarter 2015. Baltimore, MD: Center for HIV Surveillance, Epidemiology and Evaluation, Infectious Disease Epidemiology and Outbreak Response Bureau, Prevention and Health Promotion Administration, Maryland Department of Health and Mental Hygiene. April 2015.

Section II – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 4/1/2013-3/31/2014 , First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 3/31/2015

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late HIV Diagnosis
					No. with Test	% with Test	Median Count		
Allegany	64,412	5	0.4%	7.8	5	100.0%	66	100.0%	80.0%
Anne Arundel	464,062	61	4.4%	13.1	53	86.9%	300	85.2%	34.4%
Baltimore City	523,113	359	25.9%	68.6	277	77.2%	392	75.8%	27.3%
Baltimore	694,901	167	12.0%	24.0	139	83.2%	353	86.8%	24.6%
Calvert	75,485	2	0.1%	2.6	***	***	***	***	***
Caroline	27,080	2	0.1%	7.4	***	***	***	***	***
Carroll	141,768	3	0.2%	2.1	***	***	***	***	***
Cecil	84,917	6	0.4%	7.1	***	***	***	***	***
Charles	126,399	40	2.9%	31.6	30	75.0%	442	77.5%	27.5%
Dorchester	27,623	4	0.3%	14.5	***	***	***	***	***
Frederick	200,514	16	1.2%	8.0	12	75.0%	263	75.0%	43.8%
Garrett	25,790	0	0.0%	0.0	0	0.0%	--	0.0%	0.0%
Harford	208,971	29	2.1%	13.9	26	89.7%	275	86.2%	41.4%
Howard	252,141	31	2.2%	12.3	28	90.3%	343	87.1%	32.3%
Kent	17,527	2	0.1%	11.4	***	***	***	***	***
Montgomery	843,834	214	15.4%	25.4	175	81.8%	288	84.6%	37.4%
Prince George's	742,415	369	26.6%	49.7	297	80.5%	363	82.4%	28.2%
Queen Anne's	40,861	1	0.1%	2.4	***	***	***	***	***
Saint Mary's	89,811	11	0.8%	12.2	6	54.5%	282	72.7%	36.4%
Somerset	23,048	6	0.4%	26.0	6	100.0%	248	100.0%	50.0%
Talbot	32,904	3	0.2%	9.1	***	***	***	***	***
Washington	125,996	11	0.8%	8.7	10	90.9%	334	81.8%	27.3%
Wicomico	84,872	15	1.1%	17.7	15	100.0%	199	100.0%	60.0%
Worcester	45,144	2	0.1%	4.4	***	***	***	***	***
Corrections	--	29	2.1%	--	24	82.8%	398	72.4%	17.2%
TOTAL	4,963,586	1,388	100.0%	28.0	1,123	80.9%	353	81.8%	30.2%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2013.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 2 – Adult/Adolescent AIDS Diagnoses during 4/1/2013-3/31/2014 , Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 3/31/2015

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Allegany	64,412	4	0.4%	6.2	***	***
Anne Arundel	464,062	44	4.8%	9.5	3.0	61.4%
Baltimore City	523,113	269	29.4%	51.4	4.6	39.0%
Baltimore	694,901	97	10.6%	14.0	4.3	49.5%
Calvert	75,485	1	0.1%	1.3	***	***
Caroline	27,080	2	0.2%	7.4	***	***
Carroll	141,768	1	0.1%	0.7	***	***
Cecil	84,917	2	0.2%	2.4	***	***
Charles	126,399	21	2.3%	16.6	3.5	57.1%
Dorchester	27,623	2	0.2%	7.2	***	***
Frederick	200,514	14	1.5%	7.0	3.4	71.4%
Garrett	25,790	0	0.0%	0.0	--	0.0%
Harford	208,971	16	1.8%	7.7	1.5	81.3%
Howard	252,141	16	1.8%	6.3	2.2	62.5%
Kent	17,527	1	0.1%	5.7	***	***
Montgomery	843,834	162	17.7%	19.2	3.0	53.7%
Prince George's	742,415	222	24.3%	29.9	3.4	57.2%
Queen Anne's	40,861	0	0.0%	0.0		0.0%
Saint Mary's	89,811	6	0.7%	6.7	2.6	66.7%
Somerset	23,048	3	0.3%	13.0	***	***
Talbot	32,904	1	0.1%	3.0	***	***
Washington	125,996	6	0.7%	4.8	3.9	50.0%
Wicomico	84,872	10	1.1%	11.8	1.5	90.0%
Worcester	45,144	0	0.0%	0.0	--	0.0%
Corrections	--	14	1.5%	--	3.5	28.6%
TOTAL	4,963,586	914	100.0%	18.4	3.7	51.8%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2013.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 3 – Adult/Adolescent HIV Cases Alive on 3/31/2014, by Jurisdiction, Reported through 3/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Allegany	64,412	38	0.3%	59.0	33	0.2%	51.2	71	0.2%	110.2	907
Anne Arundel	464,062	500	3.6%	107.7	660	3.9%	142.2	1,160	3.8%	250.0	400
Baltimore City	523,113	5,273	38.3%	1,008.0	6,676	39.8%	1,276.2	11,949	39.1%	2,284.2	43
Baltimore	694,901	1,388	10.1%	199.7	1,668	9.9%	240.0	3,056	10.0%	439.8	227
Calvert	75,485	49	0.4%	64.9	51	0.3%	67.6	100	0.3%	132.5	754
Caroline	27,080	27	0.2%	99.7	31	0.2%	114.5	58	0.2%	214.2	466
Carroll	141,768	56	0.4%	39.5	63	0.4%	44.4	119	0.4%	83.9	1,191
Cecil	84,917	47	0.3%	55.3	59	0.4%	69.5	106	0.3%	124.8	801
Charles	126,399	214	1.6%	169.3	182	1.1%	144.0	396	1.3%	313.3	319
Dorchester	27,623	38	0.3%	137.6	75	0.4%	271.5	113	0.4%	409.1	244
Frederick	200,514	154	1.1%	76.8	156	0.9%	77.8	310	1.0%	154.6	646
Garrett	25,790	3	0.0%	11.6	4	0.0%	15.5	7	0.0%	27.1	3,684
Harford	208,971	179	1.3%	85.7	223	1.3%	106.7	402	1.3%	192.4	519
Howard	252,141	220	1.6%	87.3	243	1.4%	96.4	463	1.5%	183.6	544
Kent	17,527	16	0.1%	91.3	20	0.1%	114.1	36	0.1%	205.4	486
Montgomery	843,834	1,671	12.1%	198.0	1,970	11.7%	233.5	3,641	11.9%	431.5	231
Prince George's	742,415	2,973	21.6%	400.4	3,324	19.8%	447.7	6,297	20.6%	848.2	117
Queen Anne's	40,861	16	0.1%	39.2	31	0.2%	75.9	47	0.2%	115.0	869
Saint Mary's	89,811	56	0.4%	62.4	63	0.4%	70.1	119	0.4%	132.5	754
Somerset	23,048	21	0.2%	91.1	32	0.2%	138.8	53	0.2%	230.0	434
Talbot	32,904	24	0.2%	72.9	32	0.2%	97.3	56	0.2%	170.2	587
Washington	125,996	165	1.2%	131.0	139	0.8%	110.3	304	1.0%	241.3	414
Wicomico	84,872	92	0.7%	108.4	109	0.6%	128.4	201	0.7%	236.8	422
Worcester	45,144	33	0.2%	73.1	46	0.3%	101.9	79	0.3%	175.0	571
Corrections	--	509	3.7%	--	880	5.2%	--	1,389	4.5%	--	--
TOTAL	4,963,586	13,762	100.0%	277.3	16,770	100.0%	337.9	30,532	100.0%	615.1	162

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2013.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of 3/31/2014.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of 3/31/2014.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 3/31/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 3/31/2014, Reported through 3/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases								
	No.	Recent CD4 Test Result						350-499	500+
		No. with Test	% with Test	Median Count	<200	200-349			
Allegany	71	47	66.2%	641	6.4%	6.4%	21.3%	66.0%	
Anne Arundel	1,160	707	60.9%	534	13.4%	15.3%	18.0%	53.3%	
Baltimore City	11,949	7,474	62.5%	513	13.7%	15.7%	18.7%	51.9%	
Baltimore	3,056	1,914	62.6%	524	12.4%	15.7%	19.1%	52.8%	
Calvert	100	62	62.0%	556	9.7%	9.7%	16.1%	64.5%	
Caroline	58	36	62.1%	544	2.8%	16.7%	22.2%	58.3%	
Carroll	119	53	44.5%	520	17.0%	5.7%	24.5%	52.8%	
Cecil	106	50	47.2%	538	4.0%	16.0%	22.0%	58.0%	
Charles	396	243	61.4%	561	10.3%	13.6%	14.0%	62.1%	
Dorchester	113	81	71.7%	485	11.1%	13.6%	25.9%	49.4%	
Frederick	310	172	55.5%	528	11.0%	12.8%	20.3%	55.8%	
Garrett	7	***	***	***	***	***	***	***	
Harford	402	248	61.7%	539	15.3%	14.1%	17.7%	52.8%	
Howard	463	274	59.2%	572	12.0%	10.6%	18.2%	59.1%	
Kent	36	***	***	***	***	***	***	***	
Montgomery	3,641	1,851	50.8%	530	11.3%	16.1%	19.1%	53.5%	
Prince George's	6,297	3,380	53.7%	515	13.5%	15.1%	19.3%	52.0%	
Queen Anne's	47	30	63.8%	517	3.3%	23.3%	20.0%	53.3%	
Saint Mary's	119	78	65.5%	517	14.1%	15.4%	17.9%	52.6%	
Somerset	53	40	75.5%	554	10.0%	17.5%	12.5%	60.0%	
Talbot	56	39	69.6%	475	15.4%	17.9%	17.9%	48.7%	
Washington	304	159	52.3%	577	8.8%	12.6%	22.6%	56.0%	
Wicomico	201	125	62.2%	524	15.2%	20.8%	11.2%	52.8%	
Worcester	79	51	64.6%	571	19.6%	9.8%	3.9%	66.7%	
Corrections	1,389	857	61.7%	462	16.3%	18.0%	20.2%	45.5%	
TOTAL	30,532	17,996	58.9%	520	13.2%	15.5%	18.9%	52.4%	

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 3/31/2014.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to 3/31/2014.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to 3/31/2014.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 3/31/2014, by Jurisdiction, Reported through 3/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Allegany	71	44	62.0%	88.6%	58,424
Anne Arundel	1,160	618	53.3%	71.0%	14,429
Baltimore City	11,949	6,278	52.5%	68.3%	9,741
Baltimore	3,056	1,659	54.3%	71.6%	13,118
Calvert	100	60	60.0%	85.0%	28,420
Caroline	58	35	60.3%	82.9%	38,910
Carroll	119	51	42.9%	76.5%	15,290
Cecil	106	51	48.1%	88.2%	108,540
Charles	396	242	61.1%	75.6%	9,903
Dorchester	113	75	66.4%	80.0%	6,320
Frederick	310	171	55.2%	82.5%	7,588
Garrett	7	***	***	***	***
Harford	402	226	56.2%	73.9%	9,962
Howard	463	245	52.9%	80.0%	8,435
Kent	36	***	***	***	***
Montgomery	3,641	1,877	51.6%	82.5%	9,750
Prince George's	6,297	3,350	53.2%	75.7%	11,190
Queen Anne's	47	30	63.8%	86.7%	1,805
Saint Mary's	119	78	65.5%	75.6%	7,110
Somerset	53	39	73.6%	82.1%	7,043
Talbot	56	38	67.9%	76.3%	10,040
Washington	304	155	51.0%	84.5%	22,979
Wicomico	201	121	60.2%	74.4%	22,380
Worcester	79	50	63.3%	80.0%	2,855
Corrections	1,389	669	48.2%	62.0%	11,356
TOTAL	30,532	16,187	53.0%	72.9%	10,429

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 3/31/2014.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to 3/31/2014.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to 3/31/2013 of less than 400 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to 3/31/2014 of 400 copies per milliliter or greater.