

Maryland HIV/AIDS Quarterly Update

Third Quarter 2014

Data reported through September 30, 2014



Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Bureau
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Maryland Department of Health and Mental Hygiene
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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 16% 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.

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 10/1/2012-9/30/2013 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 10/1/2012-9/30/2013, as reported by name through 9/30/2013.

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 9/30/2013 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 9/30/2013 as reported by name through 9/30/2014.

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), September 30, 2014.

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 9/30/2013.

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 9/30/2013.

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 9/30/2013.

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 9/30/2013.

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 9/30/2013 of 200 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 9/30/2013 of less than 200 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 9/30/2013.

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to 9/30/2013.

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Section II – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 10/1/2012-9/30/2013, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 9/30/2014

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	4	0.3%	6.2	***	***	***	***	***
Anne Arundel	464,062	56	3.9%	12.1	45	80.4%	384	76.8%	25.0%
Baltimore City	523,113	382	26.7%	73.0	306	80.1%	366	79.1%	28.0%
Baltimore	694,901	172	12.0%	24.8	150	87.2%	342	86.0%	27.3%
Calvert	75,485	1	0.1%	1.3	***	***	***	***	***
Caroline	27,080	3	0.2%	11.1	***	***	***	***	***
Carroll	141,768	3	0.2%	2.1	***	***	***	***	***
Cecil	84,917	6	0.4%	7.1	5	83.3%	496	100.0%	50.0%
Charles	126,399	41	2.9%	32.4	34	82.9%	430	68.3%	26.8%
Dorchester	27,623	5	0.3%	18.1	5	100.0%	312	100.0%	60.0%
Frederick	200,514	15	1.0%	7.5	13	86.7%	442	73.3%	40.0%
Garrett	25,790	1	0.1%	3.9	***	***	***	***	***
Harford	208,971	26	1.8%	12.4	25	96.2%	268	76.9%	46.2%
Howard	252,141	26	1.8%	10.3	22	84.6%	191	92.3%	46.2%
Kent	17,527	0	0.0%	0.0	0	0.0%		0.0%	0.0%
Montgomery	843,834	216	15.1%	25.6	173	80.1%	288	79.6%	38.4%
Prince George's	742,415	413	28.8%	55.6	337	81.6%	335	76.8%	33.7%
Queen Anne's	40,861	1	0.1%	2.4	***	***	***	***	***
Saint Mary's	89,811	8	0.6%	8.9	***	***	***	***	***
Somerset	23,048	4	0.3%	17.4	***	***	***	***	***
Talbot	32,904	2	0.1%	6.1	***	***	***	***	***
Washington	125,996	6	0.4%	4.8	6	100.0%	334	100.0%	33.3%
Wicomico	84,872	13	0.9%	15.3	13	100.0%	144	100.0%	61.5%
Worcester	45,144	3	0.2%	6.6	***	***	***	***	***
Corrections	--	26	1.8%		22	84.6%	424	76.9%	11.5%
TOTAL	4,963,586	1,433	100.0%	28.9	1,180	82.3%	336	79.5%	32.0%

*** 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 10/1/2012-9/30/2013, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 9/30/2014

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	3	0.3%	4.7	***	***
Anne Arundel	464,062	40	4.5%	8.6	4.4	37.5%
Baltimore City	523,113	297	33.1%	56.8	4.7	36.7%
Baltimore	694,901	114	12.7%	16.4	4.3	50.0%
Calvert	75,485	2	0.2%	2.6	***	***
Caroline	27,080	0	0.0%	0.0	--	0.0%
Carroll	141,768	1	0.1%	0.7	***	***
Cecil	84,917	4	0.4%	4.7	***	***
Charles	126,399	15	1.7%	11.9	2.4	73.3%
Dorchester	27,623	6	0.7%	21.7	5.7	50.0%
Frederick	200,514	7	0.8%	3.5	2.6	71.4%
Garrett	25,790	0	0.0%	0.0	--	0.0%
Harford	208,971	15	1.7%	7.2	1.9	86.7%
Howard	252,141	23	2.6%	9.1	1.6	69.6%
Kent	17,527	1	0.1%	5.7	***	***
Montgomery	843,834	110	12.2%	13.0	2.2	66.4%
Prince George's	742,415	228	25.4%	30.7	2.8	62.3%
Queen Anne's	40,861	0	0.0%	0.0	--	0.0%
Saint Mary's	89,811	1	0.1%	1.1	***	***
Somerset	23,048	2	0.2%	8.7	***	***
Talbot	32,904	1	0.1%	3.0	***	***
Washington	125,996	5	0.6%	4.0	6.5	40.0%
Wicomico	84,872	10	1.1%	11.8	1.9	80.0%
Worcester	45,144	0	0.0%	0.0	--	0.0%
Corrections	--	13	1.4%	--	5.7	30.8%
TOTAL	4,963,586	898	100.0%	18.1	3.6	52.4%

*** 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 9/30/2013, by Jurisdiction, Reported through 9/30/2014

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	39	0.3%	60.5	34	0.2%	52.8	73	0.2%	113.3	882
Anne Arundel	464,062	484	3.5%	104.3	651	3.9%	140.3	1,135	3.7%	244.6	408
Baltimore City	523,113	5,304	38.8%	1,013.9	6,737	40.4%	1,287.9	12,041	39.7%	2,301.8	43
Baltimore	694,901	1,366	10.0%	196.6	1,660	10.0%	238.9	3,026	10.0%	435.5	229
Calvert	75,485	47	0.3%	62.3	53	0.3%	70.2	100	0.3%	132.5	754
Caroline	27,080	28	0.2%	103.4	32	0.2%	118.2	60	0.2%	221.6	451
Carroll	141,768	55	0.4%	38.8	64	0.4%	45.1	119	0.4%	83.9	1,191
Cecil	84,917	47	0.3%	55.3	61	0.4%	71.8	108	0.4%	127.2	786
Charles	126,399	207	1.5%	163.8	172	1.0%	136.1	379	1.2%	299.8	333
Dorchester	27,623	36	0.3%	130.3	76	0.5%	275.1	112	0.4%	405.5	246
Frederick	200,514	155	1.1%	77.3	151	0.9%	75.3	306	1.0%	152.6	655
Garrett	25,790	4	0.0%	15.5	4	0.0%	15.5	8	0.0%	31.0	3,223
Harford	208,971	173	1.3%	82.8	216	1.3%	103.4	389	1.3%	186.2	537
Howard	252,141	210	1.5%	83.3	241	1.4%	95.6	451	1.5%	178.9	559
Kent	17,527	16	0.1%	91.3	19	0.1%	108.4	35	0.1%	199.7	500
Montgomery	843,834	1,668	12.2%	197.7	1,891	11.3%	224.1	3,559	11.7%	421.8	237
Prince George's	742,415	2,936	21.5%	395.5	3,276	19.6%	441.3	6,212	20.5%	836.7	119
Queen Anne's	40,861	15	0.1%	36.7	32	0.2%	78.3	47	0.2%	115.0	869
Saint Mary's	89,811	54	0.4%	60.1	60	0.4%	66.8	114	0.4%	126.9	787
Somerset	23,048	21	0.2%	91.1	31	0.2%	134.5	52	0.2%	225.6	443
Talbot	32,904	22	0.2%	66.9	32	0.2%	97.3	54	0.2%	164.1	609
Washington	125,996	162	1.2%	128.6	138	0.8%	109.5	300	1.0%	238.1	419
Wicomico	84,872	93	0.7%	109.6	109	0.7%	128.4	202	0.7%	238.0	420
Worcester	45,144	33	0.2%	73.1	46	0.3%	101.9	79	0.3%	175.0	571
Corrections	--	512	3.7%	--	892	5.3%	--	1,404	4.6%	--	--
TOTAL	4,963,586	13,687	100.0%	275.7	16,678	100.0%	336.0	30,365	100.0%	611.8	163

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 9/30/2013.

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 9/30/2013.

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 9/30/2013.

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.

Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 9/30/2013, Reported through 9/30/2014

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	73	50	68.5%	669	10.0%	2.0%	20.0%	68.0%	
Anne Arundel	1,135	664	58.5%	509	13.7%	14.6%	20.8%	50.9%	
Baltimore City	12,041	7,487	62.2%	496	14.1%	17.2%	19.2%	49.5%	
Baltimore	3,026	1,855	61.3%	503	13.7%	16.3%	19.4%	50.6%	
Calvert	100	60	60.0%	564	11.7%	11.7%	11.7%	65.0%	
Caroline	60	38	63.3%	558	10.5%	13.2%	13.2%	63.2%	
Carroll	119	55	46.2%	520	16.4%	7.3%	21.8%	54.5%	
Cecil	108	53	49.1%	499	13.2%	15.1%	22.6%	49.1%	
Charles	379	235	62.0%	564	12.3%	11.1%	18.3%	58.3%	
Dorchester	112	78	69.6%	524	10.3%	15.4%	21.8%	52.6%	
Frederick	306	165	53.9%	520	9.7%	13.3%	23.6%	53.3%	
Garrett	8	***	***	***	***	***	***	***	
Harford	389	228	58.6%	518	13.6%	18.0%	16.7%	51.8%	
Howard	451	262	58.1%	551	14.9%	11.1%	17.2%	56.9%	
Kent	35	***	***	***	***	***	***	***	
Montgomery	3,559	1,739	48.9%	517	11.3%	15.2%	20.6%	52.8%	
Prince George's	6,212	3,265	52.6%	495	14.7%	15.2%	20.7%	49.3%	
Queen Anne's	47	29	61.7%	556	6.9%	20.7%	20.7%	51.7%	
Saint Mary's	114	69	60.5%	500	13.0%	13.0%	23.2%	50.7%	
Somerset	52	36	69.2%	571	11.1%	8.3%	13.9%	66.7%	
Talbot	54	40	74.1%	507	15.0%	25.0%	10.0%	50.0%	
Washington	300	158	52.7%	555	8.2%	14.6%	18.4%	58.9%	
Wicomico	202	120	59.4%	443	20.8%	16.7%	18.3%	44.2%	
Worcester	79	48	60.8%	525	16.7%	8.3%	20.8%	54.2%	
Corrections	1,404	846	60.3%	448	17.3%	19.9%	19.6%	43.3%	
TOTAL	30,365	17,604	58.0%	501	13.9%	16.2%	19.7%	50.3%	

*** 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 9/30/2013.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to 9/30/2013.

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 9/30/2013.

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 9/30/2013, by Jurisdiction, Reported through 9/30/2014

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	73	48	65.8%	79.2%	19,872
Anne Arundel	1,135	588	51.8%	67.2%	8,320
Baltimore City	12,041	6,227	51.7%	65.6%	9,972
Baltimore	3,026	1,624	53.7%	69.4%	12,313
Calvert	100	61	61.0%	82.0%	65,350
Caroline	60	39	65.0%	76.9%	73,820
Carroll	119	45	37.8%	77.8%	14,373
Cecil	108	47	43.5%	87.2%	1,472
Charles	379	237	62.5%	74.3%	8,080
Dorchester	112	72	64.3%	80.6%	33,365
Frederick	306	162	52.9%	79.6%	23,298
Garrett	8	***	***	***	***
Harford	389	210	54.0%	74.3%	17,892
Howard	451	235	52.1%	77.0%	27,925
Kent	35	***	***	***	***
Montgomery	3,559	1,781	50.0%	80.0%	6,944
Prince George's	6,212	3,266	52.6%	73.3%	12,995
Queen Anne's	47	28	59.6%	85.7%	2,240
Saint Mary's	114	68	59.6%	79.4%	25,380
Somerset	52	36	69.2%	75.0%	15,860
Talbot	54	36	66.7%	77.8%	19,905
Washington	300	146	48.7%	87.7%	15,839
Wicomico	202	118	58.4%	70.3%	17,980
Worcester	79	48	60.8%	85.4%	4,010
Corrections	1,404	644	45.9%	61.8%	10,194
TOTAL	30,365	15,791	52.0%	70.5%	10,540

*** 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 9/30/2013.

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 9/30/2013.

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 9/30/2013 of less than 200 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 9/30/2013 of 200 copies per milliliter or greater.