

# Maryland HIV/AIDS Quarterly Update

Second Quarter 2013

Data reported through June 30, 2013



Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Bureau  
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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 18% 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.

<b>Time Point</b>	<b>Biological Event</b>	<b>Medical Event</b>	<b>Surveillance Event</b>
<b>1</b>	HIV Infection		
<b>2</b>		HIV Diagnosis	
<b>3</b>			HIV Report
<b>4</b>	AIDS Conditions		
<b>5</b>		AIDS Diagnosis	
<b>6</b>			AIDS Report
<b>7</b>	Death		
<b>8</b>		Death Diagnosis	
<b>9</b>			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 7/1/2011-6/30/2012 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 7/1/2011-6/30/2012, as reported by name through 6/30/2013.

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 6/30/2012 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 6/30/2012 as reported by name through 6/30/2013.

### **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), June 30, 2013.

Population data by sex, age, and race are from the July 1, 2012 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 6/30/2012.

**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 6/30/2012.

**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 6/30/2012.

**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 6/30/2012.

**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 6/30/2012 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 6/30/2012 of less than 400 copies per milliliter.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2012.

**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 6/30/2012.

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to 6/30/2012.

**Suggested Citation:** Maryland HIV/AIDS Quarterly Update, Second Quarter 2013. Baltimore, MD: Center for HIV Surveillance, Epidemiology and Evaluation, Infectious Disease Bureau, Prevention and Health Promotion Administration, Maryland Department of Health and Mental Hygiene. June 2013.

## Section II – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 7/1/2011-6/30/2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2013**

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	64,786	3	0.2%	4.6	***	***	***	***	***
Anne Arundel	460,107	58	4.1%	12.6	51	87.9%	325	82.8%	39.7%
Baltimore City	521,466	414	29.3%	79.4	318	76.8%	399	72.9%	25.1%
Baltimore	690,522	187	13.2%	27.1	147	78.6%	386	75.9%	26.7%
Calvert	74,654	11	0.8%	14.7	10	90.9%	314	81.8%	18.2%
Caroline	27,021	2	0.1%	7.4	***	***	***	***	***
Carroll	141,013	4	0.3%	2.8	***	***	***	***	***
Cecil	84,566	7	0.5%	8.3	5	71.4%	342	57.1%	14.3%
Charles	124,626	12	0.8%	9.6	9	75.0%	355	66.7%	33.3%
Dorchester	27,518	9	0.6%	32.7	7	77.8%	316	44.4%	22.2%
Frederick	198,694	16	1.1%	8.1	11	68.8%	277	81.3%	31.3%
Garrett	25,615	1	0.1%	3.9	0	0.0%	--	--	--
Harford	208,064	19	1.3%	9.1	17	89.5%	388	84.2%	31.6%
Howard	248,000	24	1.7%	9.7	15	62.5%	363	75.0%	25.0%
Kent	17,692	2	0.1%	11.3	***	***	***	***	***
Montgomery	834,814	196	13.9%	23.5	162	82.7%	308	73.0%	34.2%
Prince George's	733,568	373	26.4%	50.8	277	74.3%	359	72.1%	30.8%
Queen Anne's	40,871	1	0.1%	2.4	***	***	***	***	***
Saint Mary's	89,056	7	0.5%	7.9	6	85.7%	283	85.7%	42.9%
Somerset	23,041	2	0.1%	8.7	***	***	***	***	***
Talbot	32,981	3	0.2%	9.1	***	***	***	***	***
Washington	125,490	10	0.7%	8.0	8	80.0%	338	100.0%	40.0%
Wicomico	84,554	8	0.6%	9.5	8	100.0%	310	100.0%	37.5%
Worcester	45,218	4	0.3%	8.8	***	***	***	***	***
Corrections	--	39	2.8%	--	34	87.2%	589	74.4%	12.8%
TOTAL	4,923,935	1,412	100.0%	28.7	1,104	78.2%	369	74.2%	29.0%

\*\*\* 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 7/1/2012.

**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 7/1/2011-6/30/2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 6/30/2013**

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	64,786	0	0.0%	0.0	--	--
Anne Arundel	460,107	40	5.1%	8.7	3.8	55.0%
Baltimore City	521,466	265	33.6%	50.8	5.1	34.7%
Baltimore	690,522	104	13.2%	15.1	3.9	44.2%
Calvert	74,654	4	0.5%	5.4	***	***
Caroline	27,021	3	0.4%	11.1	***	***
Carroll	141,013	3	0.4%	2.1	***	***
Cecil	84,566	3	0.4%	3.5	***	***
Charles	124,626	11	1.4%	8.8	3.5	36.4%
Dorchester	27,518	4	0.5%	14.5	***	***
Frederick	198,694	8	1.0%	4.0	1.5	62.5%
Garrett	25,615	0	0.0%	0.0	--	--
Harford	208,064	13	1.6%	6.2	4.0	46.2%
Howard	248,000	12	1.5%	4.8	2.2	41.7%
Kent	17,692	0	0.0%	0.0	--	--
Montgomery	834,814	87	11.0%	10.4	1.9	69.0%
Prince George's	733,568	185	23.5%	25.2	2.2	63.8%
Queen Anne's	40,871	2	0.3%	4.9	***	***
Saint Mary's	89,056	4	0.5%	4.5	***	***
Somerset	23,041	2	0.3%	8.7	***	***
Talbot	32,981	4	0.5%	12.1	***	***
Washington	125,490	6	0.8%	4.8	1.7	83.3%
Wicomico	84,554	9	1.1%	10.6	6.0	33.3%
Worcester	45,218	3	0.4%	6.6	***	***
Corrections	--	16	2.0%	--	3.8	56.3%
TOTAL	4,923,935	788	100.0%	16.0	3.6	50.3%

\*\*\* 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 7/1/2012.

**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 6/30/2012, by Jurisdiction, Reported through 6/30/2013**

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	64,786	35	0.3%	54.0	37	0.2%	57.1	72	0.3%	111.1	899
Anne Arundel	460,107	433	3.4%	94.1	617	3.9%	134.1	1,050	3.7%	228.2	438
Baltimore City	521,466	5,223	41.4%	1,001.6	6,622	41.6%	1,269.9	11,845	41.5%	2,271.5	44
Baltimore	690,522	1,233	9.8%	178.6	1,549	9.7%	224.3	2,782	9.7%	402.9	248
Calvert	74,654	43	0.3%	57.6	53	0.3%	71.0	96	0.3%	128.6	777
Caroline	27,021	27	0.2%	99.9	30	0.2%	111.0	57	0.2%	210.9	474
Carroll	141,013	54	0.4%	38.3	62	0.4%	44.0	116	0.4%	82.3	1,215
Cecil	84,566	46	0.4%	54.4	58	0.4%	68.6	104	0.4%	123.0	813
Charles	124,626	155	1.2%	124.4	154	1.0%	123.6	309	1.1%	247.9	403
Dorchester	27,518	36	0.3%	130.8	72	0.5%	261.6	108	0.4%	392.5	254
Frederick	198,694	127	1.0%	63.9	145	0.9%	73.0	272	1.0%	136.9	730
Garrett	25,615	4	0.0%	15.6	4	0.0%	15.6	8	0.0%	31.2	3,201
Harford	208,064	150	1.2%	72.1	209	1.3%	100.4	359	1.3%	172.5	579
Howard	248,000	189	1.5%	76.2	212	1.3%	85.5	401	1.4%	161.7	618
Kent	17,692	17	0.1%	96.1	18	0.1%	101.7	35	0.1%	197.8	505
Montgomery	834,814	1,409	11.2%	168.8	1,752	11.0%	209.9	3,161	11.1%	378.6	264
Prince George's	733,568	2,527	20.0%	344.5	3,005	18.9%	409.6	5,532	19.4%	754.1	132
Queen Anne's	40,871	13	0.1%	31.8	31	0.2%	75.8	44	0.2%	107.7	928
Saint Mary's	89,056	41	0.3%	46.0	57	0.4%	64.0	98	0.3%	110.0	908
Somerset	23,041	18	0.1%	78.1	29	0.2%	125.9	47	0.2%	204.0	490
Talbot	32,981	21	0.2%	63.7	31	0.2%	94.0	52	0.2%	157.7	634
Washington	125,490	159	1.3%	126.7	132	0.8%	105.2	291	1.0%	231.9	431
Wicomico	84,554	94	0.7%	111.2	103	0.6%	121.8	197	0.7%	233.0	429
Worcester	45,218	31	0.2%	68.6	47	0.3%	103.9	78	0.3%	172.5	579
Corrections	--	530	4.2%	--	908	5.7%	--	1,438	5.0%	--	--
TOTAL	4,923,935	12,615	100.0%	256.2	15,937	100.0%	323.7	28,552	100.0%	579.9	172

**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 7/1/2012.

**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 6/30/2012.

**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 6/30/2012.

**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 6/30/2012.

**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 6/30/2012, Reported through 6/30/2013**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Allegany	72	51	70.8%	609	9.8%	11.8%	17.6%	60.8%
Anne Arundel	1,050	593	56.5%	470	12.6%	21.4%	20.2%	45.7%
Baltimore City	11,845	6,909	58.3%	476	14.5%	17.8%	20.6%	47.1%
Baltimore	2,782	1,641	59.0%	481	15.7%	17.7%	18.2%	48.4%
Calvert	96	66	68.8%	516	19.7%	15.2%	13.6%	51.5%
Caroline	57	35	61.4%	582	14.3%	11.4%	11.4%	62.9%
Carroll	116	48	41.4%	531	14.6%	10.4%	18.8%	56.3%
Cecil	104	45	43.3%	443	6.7%	20.0%	28.9%	44.4%
Charles	309	175	56.6%	500	12.0%	16.6%	20.6%	50.9%
Dorchester	108	74	68.5%	430	12.2%	21.6%	21.6%	44.6%
Frederick	272	145	53.3%	533	11.7%	9.7%	21.4%	57.2%
Garrett	8	***	***	***	***	***	***	***
Harford	359	198	55.2%	520	16.2%	13.6%	17.7%	52.5%
Howard	401	213	53.1%	573	13.6%	12.2%	16.0%	58.2%
Kent	35	***	***	***	***	***	***	***
Montgomery	3,161	1,491	47.2%	498	12.6%	16.0%	21.6%	49.8%
Prince George's	5,532	2,694	48.7%	469	16.4%	16.2%	21.1%	46.3%
Queen Anne's	44	28	63.6%	456	10.7%	21.4%	25.0%	42.9%
Saint Mary's	98	56	57.1%	531	14.3%	19.6%	12.5%	53.6%
Somerset	47	24	51.1%	536	4.2%	16.7%	29.2%	50.0%
Talbot	52	32	61.5%	479	21.9%	21.9%	6.3%	50.0%
Washington	291	143	49.1%	519	11.9%	19.6%	16.8%	51.7%
Wicomico	197	100	50.8%	441	22.0%	16.0%	19.0%	43.0%
Worcester	78	47	60.3%	516	17.0%	14.9%	14.9%	53.2%
Corrections	1,438	830	57.7%	451	18.3%	18.6%	18.2%	44.9%
TOTAL	28,552	15,659	54.8%	480	14.9%	17.3%	20.1%	47.7%

\*\*\* 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 6/30/2012.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to 6/30/2012.

**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 6/30/2012.

**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 6/30/2012, by Jurisdiction, Reported through 6/30/2013**

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	72	49	68.1%	75.5%	5,811
Anne Arundel	1,050	538	51.2%	73.0%	12,097
Baltimore City	11,845	6,091	51.4%	68.1%	11,913
Baltimore	2,782	1,540	55.4%	70.1%	15,371
Calvert	96	62	64.6%	80.6%	16,215
Caroline	57	36	63.2%	66.7%	2,241
Carroll	116	54	46.6%	75.9%	6,297
Cecil	104	37	35.6%	81.1%	10,993
Charles	309	175	56.6%	74.3%	13,210
Dorchester	108	64	59.3%	73.4%	29,140
Frederick	272	139	51.1%	84.9%	48,820
Garrett	8	***	***	***	***
Harford	359	199	55.4%	75.9%	8,955
Howard	401	208	51.9%	81.7%	14,669
Kent	35	***	***	***	***
Montgomery	3,161	1,500	47.5%	79.9%	13,285
Prince George's	5,532	2,731	49.4%	74.8%	16,876
Queen Anne's	44	27	61.4%	85.2%	3,612
Saint Mary's	98	54	55.1%	77.8%	22,135
Somerset	47	27	57.4%	70.4%	4,986
Talbot	52	33	63.5%	72.7%	5,110
Washington	291	148	50.9%	83.1%	17,352
Wicomico	197	103	52.3%	68.0%	22,467
Worcester	78	45	57.7%	73.3%	5,013
Corrections	1,438	768	53.4%	66.9%	12,291
TOTAL	28,552	14,651	51.3%	71.9%	13,160

\*\*\* 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 6/30/2012.

**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 6/30/2012.

**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 6/30/2012 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 6/30/2012 of 400 copies per milliliter or greater.