

# Maryland HIV/AIDS Quarterly Update

Fourth Quarter 2013

Data reported through December 31, 2013



Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Bureau  
Prevention and Health Promotion Administration  
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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.

<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 1/1/2012-12/31/2012 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/2012-12/31/2012, as reported by name through 12/31/2013.

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 12/31/2012 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2012 as reported by name through 12/31/2013.

### **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), December 31, 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 12/31/2012.

**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 12/31/2012.

**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 12/31/2012.

**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 12/31/2012.

**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 12/31/2012 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 12/31/2012 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 12/31/2012.

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to 12/31/2012.

**Suggested Citation:** Maryland HIV/AIDS Quarterly Update, Fourth 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. December 2013.

## Section II – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 1/1/2012-12/31/2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2013**

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	4	0.3%	6.2	***	***	***	***	***
Anne Arundel	460,107	45	3.2%	9.8	37	82.2%	401	82.2%	22.2%
Baltimore City	521,466	416	29.4%	79.8	332	79.8%	371	74.3%	28.1%
Baltimore	690,522	185	13.1%	26.8	153	82.7%	411	78.9%	27.6%
Calvert	74,654	7	0.5%	9.4	7	100.0%	568	85.7%	42.9%
Caroline	27,021	4	0.3%	14.8	***	***	***	***	***
Carroll	141,013	3	0.2%	2.1	***	***	***	***	***
Cecil	84,566	5	0.4%	5.9	5	100.0%	483	100.0%	20.0%
Charles	124,626	27	1.9%	21.7	21	77.8%	326	55.6%	25.9%
Dorchester	27,518	5	0.4%	18.2	***	***	***	***	***
Frederick	198,694	22	1.6%	11.1	21	95.5%	394	95.5%	27.3%
Garrett	25,615	1	0.1%	3.9	***	***	***	***	***
Harford	208,064	19	1.3%	9.1	17	89.5%	268	84.2%	52.6%
Howard	248,000	22	1.6%	8.9	20	90.9%	313	95.5%	40.9%
Kent	17,692	3	0.2%	17.0	***	***	***	***	***
Montgomery	834,814	200	14.1%	24.0	166	83.0%	341	74.5%	35.5%
Prince George's	733,568	370	26.1%	50.4	281	75.9%	334	67.3%	31.4%
Queen Anne's	40,871	2	0.1%	4.9	***	***	***	***	***
Saint Mary's	89,056	11	0.8%	12.4	8	72.7%	339	63.6%	18.2%
Somerset	23,041	1	0.1%	4.3	***	***	***	***	***
Talbot	32,981	0	0.0%	0.0	--	--	--	--	--
Washington	125,490	14	1.0%	11.2	13	92.9%	466	92.9%	42.9%
Wicomico	84,554	8	0.6%	9.5	8	100.0%	296	100.0%	37.5%
Worcester	45,218	4	0.3%	8.8	***	***	***	***	***
Corrections	--	37	2.6%	--	31	83.8%	468	78.4%	13.5%
<b>TOTAL</b>	<b>4,923,935</b>	<b>1,415</b>	<b>100.0%</b>	<b>28.7</b>	<b>1,144</b>	<b>80.8%</b>	<b>368</b>	<b>74.5%</b>	<b>30.2%</b>

\*\*\* 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 1/1/2012-12/31/2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2013**

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	33	4.0%	7.2	4.2	39.4%
Baltimore City	521,466	289	34.8%	55.4	4.6	37.4%
Baltimore	690,522	115	13.9%	16.7	4.6	43.5%
Calvert	74,654	5	0.6%	6.7	0.5	80.0%
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	14	1.7%	11.2	2.1	50.0%
Dorchester	27,518	7	0.8%	25.4	2.7	57.1%
Frederick	198,694	7	0.8%	3.5	1.7	57.1%
Garrett	25,615	0	0.0%	0.0	--	--
Harford	208,064	15	1.8%	7.2	3.0	66.7%
Howard	248,000	16	1.9%	6.5	2.0	50.0%
Kent	17,692	1	0.1%	5.7	***	***
Montgomery	834,814	100	12.0%	12.0	1.8	75.0%
Prince George's	733,568	180	21.7%	24.5	2.3	65.0%
Queen Anne's	40,871	0	0.0%	0.0	--	--
Saint Mary's	89,056	6	0.7%	6.7	2.2	50.0%
Somerset	23,041	0	0.0%	0.0	--	--
Talbot	32,981	1	0.1%	3.0	***	***
Washington	125,490	6	0.7%	4.8	0.0	100.0%
Wicomico	84,554	4	0.5%	4.7	***	***
Worcester	45,218	5	0.6%	11.1	0.9	80.0%
Corrections	--	17	2.0%	--	4.5	35.3%
TOTAL	4,923,935	830	100.0%	16.9	3.5	51.3%

\*\*\* 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 12/31/2012, by Jurisdiction, Reported through 12/31/2013**

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	38	0.3%	58.7	33	0.2%	50.9	71	0.2%	109.6	912
Anne Arundel	460,107	432	3.3%	93.9	626	3.9%	136.1	1,058	3.7%	229.9	434
Baltimore City	521,466	5,187	40.2%	994.7	6,577	41.0%	1,261.3	11,764	40.6%	2,255.9	44
Baltimore	690,522	1,274	9.9%	184.5	1,584	9.9%	229.4	2,858	9.9%	413.9	241
Calvert	74,654	47	0.4%	63.0	55	0.3%	73.7	102	0.4%	136.6	731
Caroline	27,021	27	0.2%	99.9	32	0.2%	118.4	59	0.2%	218.4	457
Carroll	141,013	53	0.4%	37.6	63	0.4%	44.7	116	0.4%	82.3	1,215
Cecil	84,566	47	0.4%	55.6	58	0.4%	68.6	105	0.4%	124.2	805
Charles	124,626	168	1.3%	134.8	159	1.0%	127.6	327	1.1%	262.4	381
Dorchester	27,518	36	0.3%	130.8	74	0.5%	268.9	110	0.4%	399.7	250
Frederick	198,694	144	1.1%	72.5	143	0.9%	72.0	287	1.0%	144.4	692
Garrett	25,615	3	0.0%	11.7	4	0.0%	15.6	7	0.0%	27.3	3,659
Harford	208,064	156	1.2%	75.0	210	1.3%	100.9	366	1.3%	175.9	568
Howard	248,000	174	1.3%	70.2	217	1.4%	87.5	391	1.4%	157.7	634
Kent	17,692	17	0.1%	96.1	19	0.1%	107.4	36	0.1%	203.5	491
Montgomery	834,814	1,469	11.4%	176.0	1,800	11.2%	215.6	3,269	11.3%	391.6	255
Prince George's	733,568	2,729	21.1%	372.0	3,060	19.1%	417.1	5,789	20.0%	789.2	126
Queen Anne's	40,871	15	0.1%	36.7	31	0.2%	75.8	46	0.2%	112.5	888
Saint Mary's	89,056	46	0.4%	51.7	59	0.4%	66.3	105	0.4%	117.9	848
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	162	1.3%	129.1	132	0.8%	105.2	294	1.0%	234.3	426
Wicomico	84,554	94	0.7%	111.2	100	0.6%	118.3	194	0.7%	229.4	435
Worcester	45,218	30	0.2%	66.3	47	0.3%	103.9	77	0.3%	170.3	587
Corrections	--	532	4.1%	--	897	5.6%	--	1,429	4.9%	--	--
TOTAL	4,923,935	12,919	100.0%	262.4	16,040	100.0%	325.8	28,959	100.0%	588.1	170

**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 12/31/2012.

**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 12/31/2012.

**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 12/31/2012.

**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 12/31/2012, Reported through 12/31/2013**

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	52	73.2%	603	9.6%	5.8%	21.2%	63.5%	
Anne Arundel	1,058	620	58.6%	487	11.1%	20.0%	21.0%	47.9%	
Baltimore City	11,764	6,963	59.2%	490	15.4%	16.7%	19.2%	48.8%	
Baltimore	2,858	1,692	59.2%	488	14.7%	18.1%	18.5%	48.8%	
Calvert	102	67	65.7%	545	19.4%	11.9%	10.4%	58.2%	
Caroline	59	37	62.7%	575	16.2%	8.1%	16.2%	59.5%	
Carroll	116	49	42.2%	508	12.2%	14.3%	16.3%	57.1%	
Cecil	105	51	48.6%	483	3.9%	25.5%	25.5%	45.1%	
Charles	327	197	60.2%	504	14.7%	12.7%	22.3%	50.3%	
Dorchester	110	76	69.1%	512	13.2%	17.1%	19.7%	50.0%	
Frederick	287	158	55.1%	525	8.2%	16.5%	19.6%	55.7%	
Garrett	7	2	28.6%	***	***	***	***	***	
Harford	366	203	55.5%	516	15.8%	13.3%	19.2%	51.7%	
Howard	391	203	51.9%	543	14.3%	13.8%	18.2%	53.7%	
Kent	36	20	55.6%	651	***	***	***	***	
Montgomery	3,269	1,636	50.0%	517	12.0%	14.2%	21.3%	52.5%	
Prince George's	5,789	3,018	52.1%	480	14.7%	16.4%	21.3%	47.5%	
Queen Anne's	46	29	63.0%	514	10.3%	20.7%	13.8%	55.2%	
Saint Mary's	105	63	60.0%	506	17.5%	12.7%	19.0%	50.8%	
Somerset	47	29	61.7%	588	3.4%	17.2%	17.2%	62.1%	
Talbot	52	40	76.9%	471	17.5%	20.0%	15.0%	47.5%	
Washington	294	150	51.0%	560	10.7%	13.3%	19.3%	56.7%	
Wicomico	194	103	53.1%	490	17.5%	18.4%	17.5%	46.6%	
Worcester	77	50	64.9%	512	20.0%	14.0%	12.0%	54.0%	
Corrections	1,429	794	55.6%	431	18.8%	20.7%	20.3%	40.3%	
TOTAL	28,959	16,302	56.3%	491	14.7%	16.6%	19.8%	48.9%	

\*\*\* 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 12/31/2012.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to 12/31/2012.

**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 12/31/2012.

**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 12/31/2012, by Jurisdiction, Reported through 12/31/2013**

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	71	50	70.4%	70.0%	1,065
Anne Arundel	1,058	539	50.9%	42.5%	407
Baltimore City	11,764	5,667	48.2%	36.4%	490
Baltimore	2,858	1,475	51.6%	43.7%	665
Calvert	102	64	62.7%	60.9%	290
Caroline	59	39	66.1%	56.4%	350
Carroll	116	46	39.7%	45.7%	5,076
Cecil	105	46	43.8%	56.5%	205
Charles	327	198	60.6%	60.1%	1,755
Dorchester	110	68	61.8%	50.0%	125
Frederick	287	148	51.6%	64.2%	210
Garrett	7	2	28.6%	***	***
Harford	366	178	48.6%	49.4%	320
Howard	391	189	48.3%	52.4%	236
Kent	36	21	58.3%	***	96
Montgomery	3,269	1,618	49.5%	60.3%	285
Prince George's	5,789	3,009	52.0%	55.7%	800
Queen Anne's	46	27	58.7%	48.1%	110
Saint Mary's	105	63	60.0%	52.4%	1,030
Somerset	47	30	63.8%	56.7%	610
Talbot	52	37	71.2%	59.5%	350
Washington	294	150	51.0%	70.0%	2,606
Wicomico	194	103	53.1%	46.6%	743
Worcester	77	48	62.3%	60.4%	84
Corrections	1,429	723	50.6%	42.9%	1,069
TOTAL	28,959	14,538	50.2%	46.5%	539

\*\*\* 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 12/31/2012.

**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 12/31/2012.

**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 12/31/2012 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 12/31/2012 of 400 copies per milliliter or greater.