

# Maryland HIV/AIDS Quarterly Update

Fourth Quarter 2014

Data reported through December 31, 2014



Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Bureau  
Prevention and Health Promotion Administration  
Maryland Department of Health and Mental Hygiene  
<http://phpa.dhmf.maryland.gov/oideor/chse>  
1-800-358-9001



## TABLE OF CONTENTS

<b>Section I – Background Information</b> .....	1
HIV/AIDS Reporting Requirements.....	Error! Bookmark not defined.
For Assistance with HIV/AIDS Reporting .....	Error! Bookmark not defined.
Limitations in the HIV/AIDS Data .....	Error! Bookmark not defined.
Stages of a Case of HIV/AIDS .....	Error! Bookmark not defined.
Changes in Case Terminology.....	Error! Bookmark not defined.
Laboratory Data .....	Error! Bookmark not defined.
Sources of Data .....	Error! Bookmark not defined.
Tabulation of Column Totals .....	Error! Bookmark not defined.
Data Suppression.....	Error! Bookmark not defined.
On-line Mapping Tool.....	Error! Bookmark not defined.
Glossary of Terms.....	4
<b>Section II – Adult/Adolescent Cases by Jurisdiction</b> .....	6
Table 1 – Adult/Adolescent HIV Diagnoses during 01/1/2013-12/31/2013, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2014.....	6
Table 2 – Adult/Adolescent AIDS Diagnoses during 01/1/2013-12/31/2013, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2014 .....	7
Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2013, by Jurisdiction, Reported through 12/31/2014 .....	8
Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2013, Reported through 12/31/2014 .....	9
Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2013, by Jurisdiction, Reported through 12/31/2014 .....	10

## 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.

It is important to note that HIV surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of HIV disease data. 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. Linkage to care data is based solely on laboratory data 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>
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

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, and 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 probably be 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 2012 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/2013-12/31/2013, as reported by name through 12/31/2014.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 12/31/2013 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2013 as reported by name through 12/31/2014.

## **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" after diagnosis or is "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, 2014.

Population data by sex, age, and race are from the July 1, 2013 U.S. Census Estimates and by country-of-birth from the 2012 American Community Survey (note the differences in total population due to different sources). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

## 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 12/31/2013.

**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 12/31/2013.

**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 12/31/2013.

**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 12/31/2013.

**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 12/31/2013 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 12/31/2013 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 12/31/2013.

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to 12/31/2013.

**Suggested Citation:** Maryland HIV/AIDS Quarterly Update, Fourth Quarter 2014. 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 2014.

Please note the data has not been geocoded and therefore is preliminary.

## Section II – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 01/1/2013-12/31/2013, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2014**

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	5	0.4%	7.8	5	100.0%	66	100.0%	80.8%
Anne Arundel	464,062	58	4.2%	12.5	49	84.5%	300	82.8%	34.5%
Baltimore City	523,113	356	25.5%	68.1	281	78.9%	363	77.8%	28.4%
Baltimore	694,901	164	11.8%	23.6	141	86.0%	337	86.6%	28.0%
Calvert	75,485	1	0.1%	1.3	***	***	***	***	***
Caroline	27,080	2	0.1%	7.4	***	***	***	***	***
Carroll	141,768	3	0.2%	2.1	***	***	***	***	***
Cecil	84,917	8	0.6%	9.4	5	62.5%	345	100.0%	50.0%
Charles	126,399	37	2.7%	29.3	29	78.4%	449	81.1%	29.7%
Dorchester	27,623	4	0.3%	14.5	***	***	***	***	***
Frederick	200,514	15	1.1%	7.5	12	80.0%	228	60.0%	53.3%
Garrett	25,790	1	0.1%	3.9	***	***	***	***	***
Harford	208,971	32	2.3%	15.3	30	93.8%	292	81.3%	37.5%
Howard	252,141	29	2.1%	11.5	26	89.7%	269	89.7%	41.4%
Kent	17,527	0	0.0%	0.0	0	0.0%	--	0.0%	0.0%
Montgomery	843,834	222	15.9%	26.3	180	81.1%	288	82.0%	38.3%
Prince George's	742,415	389	27.9%	52.4	312	80.2%	362	80.5%	29.8%
Queen Anne's	40,861	1	0.1%	2.4	***	***	***	***	***
Saint Mary's	89,811	9	0.6%	10.0	***	***	***	***	***
Somerset	23,048	5	0.4%	21.7	5	100.0%	243	100.0%	60.0%
Talbot	32,904	3	0.2%	9.1	***	***	***	***	***
Washington	125,996	7	0.5%	5.6	6	85.7%	258	100.0%	42.9%
Wicomico	84,872	14	1.0%	16.5	14	100.0%	202	100.0%	64.3%
Worcester	45,144	2	0.1%	4.4	***	***	***	***	***
Corrections	--	27	1.9%	--	24	88.9%	440	77.8%	14.8%
TOTAL	4,963,586	1,394	100.0%	28.1	1,138	81.6%	335	81.3%	31.9%

\*\*\* 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 01/1/2013-12/31/2013, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2014**

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	5	0.5%	7.8	2.0	80.0%
Anne Arundel	464,062	41	4.3%	8.8	3.7	46.3%
Baltimore City	523,113	283	29.9%	54.1	4.9	35.7%
Baltimore	694,901	106	11.2%	15.3	4.3	50.9%
Calvert	75,485	1	0.1%	1.3	***	***
Caroline	27,080	1	0.1%	3.7	***	***
Carroll	141,768	1	0.1%	0.7	***	***
Cecil	84,917	5	0.5%	5.9	0.2	100.0%
Charles	126,399	17	1.8%	13.4	3.3	64.7%
Dorchester	27,623	5	0.5%	18.1	8.9	40.0%
Frederick	200,514	13	1.4%	6.5	3.6	69.2%
Garrett	25,790	0	0.0%	0.0	--	0.0%
Harford	208,971	17	1.8%	8.1	1.9	82.4%
Howard	252,141	21	2.2%	8.3	1.8	66.7%
Kent	17,527	0	0.0%	0.0		0.0%
Montgomery	843,834	158	16.7%	18.7	3.3	49.4%
Prince George's	742,415	230	24.3%	31.0	3.5	56.1%
Queen Anne's	40,861	0	0.0%	0.0	--	0.0%
Saint Mary's	89,811	4	0.4%	4.5	***	***
Somerset	23,048	3	0.3%	13.0	***	***
Talbot	32,904	1	0.1%	3.0	***	***
Washington	125,996	7	0.7%	5.6	5.3	42.9%
Wicomico	84,872	11	1.2%	13.0	1.4	90.9%
Worcester	45,144	0	0.0%	0.0	--	0.0%
Corrections	--	15	1.6%	--	4.0	26.7%
<b>TOTAL</b>	<b>4,963,586</b>	<b>945</b>	<b>100.0%</b>	<b>19.0</b>	<b>3.9</b>	<b>49.1%</b>

\*\*\* 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 12/31/2013, by Jurisdiction, Reported through 12/31/2014**

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	492	3.6%	106.0	650	3.9%	140.1	1,142	3.8%	246.1	406
Baltimore City	523,113	5,239	38.6%	1,001.5	6,648	39.9%	1,270.9	11,887	39.3%	2,272.4	44
Baltimore	694,901	1,358	10.0%	195.4	1,655	9.9%	238.2	3,013	10.0%	433.6	230
Calvert	75,485	47	0.3%	62.3	52	0.3%	68.9	99	0.3%	131.2	762
Caroline	27,080	27	0.2%	99.7	32	0.2%	118.2	59	0.2%	217.9	458
Carroll	141,768	55	0.4%	38.8	63	0.4%	44.4	118	0.4%	83.2	1,201
Cecil	84,917	47	0.3%	55.3	59	0.4%	69.5	106	0.4%	124.8	801
Charles	126,399	207	1.5%	163.8	176	1.1%	139.2	383	1.3%	303.0	330
Dorchester	27,623	36	0.3%	130.3	76	0.5%	275.1	112	0.4%	405.5	246
Frederick	200,514	152	1.1%	75.8	154	0.9%	76.8	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	175	1.3%	83.7	220	1.3%	105.3	395	1.3%	189.0	529
Howard	252,141	214	1.6%	84.9	241	1.4%	95.6	455	1.5%	180.5	554
Kent	17,527	15	0.1%	85.6	19	0.1%	108.4	34	0.1%	194.0	515
Montgomery	843,834	1,641	12.1%	194.5	1,946	11.7%	230.6	3,587	11.9%	425.1	235
Prince George's	742,415	2,929	21.6%	394.5	3,287	19.7%	442.7	6,216	20.6%	837.3	119
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	55	0.4%	61.2	61	0.4%	67.9	116	0.4%	129.2	774
Somerset	23,048	20	0.1%	86.8	32	0.2%	138.8	52	0.2%	225.6	443
Talbot	32,904	23	0.2%	69.9	32	0.2%	97.3	55	0.2%	167.2	598
Washington	125,996	161	1.2%	127.8	138	0.8%	109.5	299	1.0%	237.3	421
Wicomico	84,872	91	0.7%	107.2	108	0.6%	127.3	199	0.7%	234.5	426
Worcester	45,144	33	0.2%	73.1	46	0.3%	101.9	79	0.3%	175.0	571
Corrections	--	507	3.7%	--	883	5.3%	--	1,390	4.6%	--	--
TOTAL	4,963,586	13,583	100.0%	273.7	16,647	100.0%	335.4	30,230	100.0%	609.0	164

**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 12/31/2013.

**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 12/31/2013.

**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 12/31/2013.

**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 12/31/2013, Reported through 12/31/2014**

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	47	64.4%	660	10.6%	6.4%	17.0%	66.0%	
Anne Arundel	1,142	682	59.7%	518	12.5%	15.8%	20.2%	51.5%	
Baltimore City	11,887	7,417	62.4%	512	13.4%	16.2%	18.7%	51.7%	
Baltimore	3,013	1,884	62.5%	524	13.0%	15.0%	19.7%	52.3%	
Calvert	99	62	62.6%	549	9.7%	12.9%	16.1%	61.3%	
Caroline	59	34	57.6%	570	8.8%	11.8%	11.8%	67.6%	
Carroll	118	52	44.1%	523	17.3%	5.8%	23.1%	53.8%	
Cecil	106	50	47.2%	528	6.0%	22.0%	20.0%	52.0%	
Charles	383	230	60.1%	581	10.9%	11.3%	14.3%	63.5%	
Dorchester	112	81	72.3%	509	7.4%	17.3%	24.7%	50.6%	
Frederick	306	168	54.9%	517	10.1%	10.1%	26.2%	53.6%	
Garrett	8	***	***	***	***	***	***	***	
Harford	395	235	59.5%	536	11.9%	17.9%	18.7%	52.3%	
Howard	455	271	59.6%	595	12.2%	11.4%	16.2%	60.1%	
Kent	34	***	***	***	***	***	***	***	
Montgomery	3,587	1,799	50.2%	524	12.4%	15.2%	19.3%	53.1%	
Prince George's	6,216	3,319	53.4%	508	14.2%	15.1%	19.5%	51.3%	
Queen Anne's	47	30	63.8%	506	3.3%	30.0%	16.7%	50.0%	
Saint Mary's	116	75	64.7%	540	12.0%	17.3%	16.0%	54.7%	
Somerset	52	38	73.1%	571	13.2%	13.2%	10.5%	63.2%	
Talbot	55	38	69.1%	438	13.2%	23.7%	18.4%	44.7%	
Washington	299	154	51.5%	581	7.8%	13.0%	20.1%	59.1%	
Wicomico	199	119	59.8%	503	17.6%	17.6%	14.3%	50.4%	
Worcester	79	50	63.3%	525	18.0%	12.0%	14.0%	56.0%	
Corrections	1,390	864	62.2%	458	16.9%	18.2%	19.9%	45.0%	
TOTAL	30,230	17,721	58.6%	516	13.3%	15.6%	19.1%	52.0%	

\*\*\* 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 12/31/2013.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to 12/31/2013.

**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 12/31/2013.

**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 12/31/2013, by Jurisdiction, Reported through 12/31/2014**

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	46	63.0%	80.4%	39,868
Anne Arundel	1,142	599	52.5%	70.5%	10,000
Baltimore City	11,887	6,133	51.6%	67.3%	9,404
Baltimore	3,013	1,640	54.4%	70.2%	12,470
Calvert	99	63	63.6%	77.8%	20,787
Caroline	59	37	62.7%	73.0%	24,600
Carroll	118	47	39.8%	80.9%	15,106
Cecil	106	49	46.2%	79.6%	4,930
Charles	383	232	60.6%	75.9%	8,579
Dorchester	112	74	66.1%	83.8%	46,300
Frederick	306	164	53.6%	81.1%	6,640
Garrett	8	***	***	***	***
Harford	395	216	54.7%	73.1%	8,074
Howard	455	239	52.5%	76.6%	16,850
Kent	34	***	***	***	***
Montgomery	3,587	1,836	51.2%	80.9%	7,466
Prince George's	6,216	3,314	53.3%	74.5%	11,825
Queen Anne's	47	30	63.8%	93.3%	2,225
Saint Mary's	116	71	61.2%	73.2%	1,710
Somerset	52	37	71.2%	73.0%	8,590
Talbot	55	36	65.5%	77.8%	24,750
Washington	299	146	48.8%	86.3%	28,264
Wicomico	199	117	58.8%	76.1%	6,635
Worcester	79	50	63.3%	82.0%	1,600
Corrections	1,390	634	45.6%	59.9%	13,617
TOTAL	30,230	15,833	52.4%	71.7%	10,040

\*\*\* 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 12/31/2013.

**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 12/31/2013.

**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 12/31/2013 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 12/31/2013 of 200 copies per milliliter or greater.