Maryland HIV/AIDS Quarterly Update

First Quarter 2016

Data reported through March 31, 2016

Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Epidemiology and Outbreak Response Bureau
Prevention and Health Promotion Administration
Maryland Department of Health and Mental Hygiene
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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 410-767-5227.

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 12.8% of people living with HIV infection are undiagnosed. In Maryland, it is estimated that 18.7% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department.

Please note that not all data has been geocoded in the quarterly reports and therefore is preliminary. Geocoding is the process of assigning geographic identifiers to map features and data records. Addresses are standard data elements required by law and submitted as part of reporting requirements; however, the information may be incomplete which then requires a geocoding process to improve the quality of data. This process is fully completed on the end-of-the-year data set.

Stages of a Case of HIV/AIDS

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

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

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

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

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old diagnosed cases as well as undiagnosed infections. 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 (a quarter-year) are used to generate the number of diagnoses during the prior years. This one year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 4/1/2014-3/31/2015 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 4/1/2014-3/31/2015, as reported by name through 3/31/2016.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the Reported HIV Diagnoses each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 3/31/2014 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 3/31/2014 as reported by name through 3/31/2016.

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 regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" initially after diagnosis or in following years that they remain "in care".

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), March 31, 2016.

Population data by sex, age, and race/ethnicity are from the July 1, 2014 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).

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 03/31/2015.

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 03/31/2015.

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 03/31/2015.

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 03/31/2015.

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 03/31/2015 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 03/31/2015 of less than 200 copies per milliliter.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2014.

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

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

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to 03/31/2015.

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to 03/31/2015.

Suggested Citation: Maryland HIV/AIDS Quarterly Update, First Quarter 2016. Baltimore, MD: Center for HIV Surveillance, Epidemiology and Evaluation, Infectious Disease Epidemiology and Outbreak Response Bureau, Prevention and Health Promotion Administration, Maryland Department of Health and Mental Hygiene. April 2016.

Section II – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 4/1/2014-03/31/2015 , First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 03/31/2016

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	63,865	1	0.1%	1.6	***	***	***	***	***
Anne Arundel	468,309	68	5.0%	14.5	56	82.4%	320	85.3%	20.6%
Baltimore City	523,281	319	23.4%	61.0	248	77.7%	398	81.2%	27.6%
Baltimore	698,028	197	14.5%	28.2	157	79.7%	366	83.2%	24.4%
Calvert	75,818	4	0.3%	5.3	***	***	***	***	***
Caroline	26,987	3	0.2%	11.1	***	***	***	***	***
Carroll	142,505	8	0.6%	5.6	8	100.0%	143	100.0%	75.0%
Cecil	85,505	5	0.4%	5.8	***	***	***	***	***
Charles	128,189	35	2.6%	27.3	25	71.4%	418	82.9%	22.9%
Dorchester	27,470	5	0.4%	18.2	***	***	***	***	***
Frederick	202,815	17	1.2%	8.4	16	94.1%	535	88.2%	17.6%
Garrett	25,684	0	0.0%	0.0	0	--	--	--	--
Harford	210,360	22	1.6%	10.5	18	81.8%	397	90.9%	27.3%
Howard	256,471	29	2.1%	11.3	22	75.9%	512	82.8%	20.7%
Kent	17,418	1	0.1%	5.7	***	***	***	***	***
Montgomery	855,169	234	17.2%	27.4	192	82.1%	298	81.2%	32.9%
Prince George's	753,706	370	27.1%	49.1	307	83.0%	401	85.1%	25.9%
Queen Anne's	41,277	1	0.1%	2.4	***	***	***	***	***
Saint Mary's	90,661	6	0.4%	6.6	5	83.3%	138	83.3%	66.7%
Somerset	22,645	3	0.2%	13.2	***	***	***	***	***
Talbot	32,664	1	0.1%	3.1	***	***	***	***	***
Washington	126,009	4	0.3%	3.2	***	***	***	***	***
Wicomico	85,525	8	0.6%	9.4	7	87.5%	338	75.0%	12.5%
Worcester	45,243	1	0.1%	2.2	***	***	***	***	***
Corrections	--	21	1.5%	--	15	71.4%	465	81.0%	19.0%
TOTAL	5,005,603	1,363	100.0%	27.2	1,101	80.8%	367	83.4%	27.3%

*** 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 7/1/2014.

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

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 04/01/2014-03/31/2015 , Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 03/31/2016

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	63,865	0	0.0%	0.0	--	--
Anne Arundel	468,309	27	4.0%	5.8	5.5	51.9%
Baltimore City	523,281	192	28.5%	36.7	4.8	41.7%
Baltimore	698,028	82	12.2%	11.7	3.4	52.4%
Calvert	75,818	4	0.6%	5.3	***	***
Caroline	26,987	3	0.4%	11.1	***	***
Carroll	142,505	7	1.0%	4.9	0.6	85.7%
Cecil	85,505	4	0.6%	4.7	***	***
Charles	128,189	16	2.4%	12.5	3.6	56.3%
Dorchester	27,470	1	0.1%	3.6	***	***
Frederick	202,815	6	0.9%	3.0	3.6	50.0%
Garrett	25,684	0	0.0%	0.0	--	--
Harford	210,360	12	1.8%	5.7	4.8	41.7%
Howard	256,471	13	1.9%	5.1	5.1	38.5%
Kent	17,418	0	0.0%	0.0	--	--
Montgomery	855,169	107	15.9%	12.5	2.7	73.8%
Prince George's	753,706	176	26.2%	23.4	2.9	60.2%
Queen Anne's	41,277	2	0.3%	4.8	***	***
Saint Mary's	90,661	5	0.7%	5.5	0.2	100.0%
Somerset	22,645	0	0.0%	0.0	--	--
Talbot	32,664	1	0.1%	3.1	***	***
Washington	126,009	1	0.1%	0.8	***	***
Wicomico	85,525	3	0.4%	3.5	***	***
Worcester	45,243	0	0.0%	0.0	--	--
Corrections	--	11	1.6%	--	4.5	36.4%
TOTAL	5,005,603	673	100.0%	13.4	3.7	55.1%

*** 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 7/1/2014.
Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).
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 03/31/2015, by Jurisdiction, Reported through 03/31/2016

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	63,865	41	0.3%	64.2	33	0.2%	51.7	74	0.2%	115.9	863
Anne Arundel	468,309	531	3.7%	113.4	659	3.9%	140.7	1,190	3.8%	254.1	393
Baltimore City	523,281	5,300	37.0%	1,012.8	6,552	39.1%	1,252.1	11,852	38.1%	2,264.9	44
Baltimore	698,028	1,500	10.5%	214.9	1,692	10.1%	242.4	3,192	10.3%	457.3	218
Calvert	75,818	48	0.3%	63.3	49	0.3%	64.6	97	0.3%	127.9	781
Caroline	26,987	30	0.2%	111.2	34	0.2%	126.0	64	0.2%	237.2	421
Carroll	142,505	60	0.4%	42.1	72	0.4%	50.5	132	0.4%	92.6	1,079
Cecil	85,505	48	0.3%	56.1	60	0.4%	70.2	108	0.3%	126.3	791
Charles	128,189	232	1.6%	181.0	191	1.1%	149.0	423	1.4%	330.0	303
Dorchester	27,470	40	0.3%	145.6	74	0.4%	269.4	114	0.4%	415.0	240
Frederick	202,815	162	1.1%	79.9	155	0.9%	76.4	317	1.0%	156.3	639
Garrett	25,684	4	0.0%	15.6	4	0.0%	15.6	8	0.0%	31.1	3,210
Harford	210,360	190	1.3%	90.3	229	1.4%	108.9	419	1.3%	199.2	502
Howard	256,471	239	1.7%	93.2	246	1.5%	95.9	485	1.6%	189.1	528
Kent	17,418	17	0.1%	97.6	18	0.1%	103.3	35	0.1%	200.9	497
Montgomery	855,169	1,791	12.5%	209.4	2,014	12.0%	235.5	3,805	12.2%	444.9	224
Prince George's	753,706	3,160	22.1%	419.3	3,388	20.2%	449.5	6,548	21.1%	868.8	115
Queen Anne's	41,277	14	0.1%	33.9	33	0.2%	79.9	47	0.2%	113.9	878
Saint Mary's	90,661	57	0.4%	62.9	63	0.4%	69.5	120	0.4%	132.4	755
Somerset	22,645	23	0.2%	101.6	30	0.2%	132.5	53	0.2%	234.0	427
Talbot	32,664	24	0.2%	73.5	32	0.2%	98.0	56	0.2%	171.4	583
Washington	126,009	164	1.1%	130.1	131	0.8%	104.0	295	0.9%	234.1	427
Wicomico	85,525	95	0.7%	111.1	102	0.6%	119.3	197	0.6%	230.3	434
Worcester	45,243	29	0.2%	64.1	45	0.3%	99.5	74	0.2%	163.6	611
Corrections	--	510	3.6%	--	852	5.1%	--	1,362	4.4%	--	--
TOTAL	5,005,603	14,309	100.0%	285.9	16,758	100.0%	334.8	31,067	100.0%	620.6	161

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 7/1/2014.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of 03/31/2015.

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 03/31/2015.

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 03/31/2015.

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 03/31/2015, Reported through 03/31/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Allegany	74	49	66.2%	652	6.1%	4.1%	18.4%	71.4%
Anne Arundel	1,190	666	56.0%	514	14.0%	17.3%	17.7%	51.1%
Baltimore City	11,852	6,991	59.0%	528	13.7%	15.0%	17.9%	53.5%
Baltimore	3,192	1,884	59.0%	528	14.2%	14.1%	17.8%	53.9%
Calvert	97	63	64.9%	638	7.9%	15.9%	12.7%	63.5%
Caroline	64	34	53.1%	580	11.8%	11.8%	20.6%	55.9%
Carroll	132	61	46.2%	484	21.3%	11.5%	19.7%	47.5%
Cecil	108	51	47.2%	502	3.9%	25.5%	19.6%	51.0%
Charles	423	258	61.0%	566	11.2%	10.5%	17.1%	61.2%
Dorchester	114	77	67.5%	534	7.8%	19.5%	18.2%	54.5%
Frederick	317	173	54.6%	531	11.6%	6.4%	24.9%	57.2%
Garrett	8	***	***	***	***	***	***	***
Harford	419	255	60.9%	551	17.6%	10.6%	17.3%	54.5%
Howard	485	267	55.1%	573	12.0%	12.0%	18.4%	57.7%
Kent	35	***	***	***	***	***	***	***
Montgomery	3,805	1,960	51.5%	529	10.5%	14.2%	21.5%	53.8%
Prince George's	6,548	3,582	54.7%	530	12.8%	14.2%	19.0%	54.0%
Queen Anne's	47	28	59.6%	610	10.7%	17.9%	14.3%	57.1%
Saint Mary's	120	80	66.7%	493	8.8%	17.5%	25.0%	48.8%
Somerset	53	42	79.2%	580	11.9%	11.9%	16.7%	59.5%
Talbot	56	36	64.3%	396	19.4%	19.4%	16.7%	44.4%
Washington	295	152	51.5%	663	9.2%	10.5%	14.5%	65.8%
Wicomico	197	120	60.9%	532	10.8%	18.3%	17.5%	53.3%
Worcester	74	47	63.5%	577	10.6%	17.0%	10.6%	61.7%
Corrections	1,362	790	58.0%	454	17.6%	16.7%	20.3%	45.4%
TOTAL	31,067	17,690	56.9%	529	13.2%	14.6%	18.6%	53.7%

*** 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 03/31/2015.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to 03/31/2015.

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 03/31/2015.

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 03/31/2015, by Jurisdiction, Reported through 03/31/2016

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	74	49	66.2%	85.7%	4,180
Anne Arundel	1,190	611	51.3%	73.6%	17,806
Baltimore City	11,852	6,052	51.1%	70.9%	8,160
Baltimore	3,192	1,693	53.0%	71.9%	14,718
Calvert	97	64	66.0%	85.9%	34,480
Caroline	64	32	50.0%	81.3%	5,016
Carroll	132	57	43.2%	73.7%	50,402
Cecil	108	50	46.3%	72.0%	11,587
Charles	423	260	61.5%	75.8%	6,710
Dorchester	114	73	64.0%	87.7%	38,600
Frederick	317	174	54.9%	85.6%	2,570
Garrett	8	***	***	***	***
Harford	419	227	54.2%	76.2%	14,230
Howard	485	261	53.8%	79.7%	26,084
Kent	35	***	***	***	***
Montgomery	3,805	1,965	51.6%	83.4%	8,942
Prince George's	6,548	3,556	54.3%	77.4%	10,970
Queen Anne's	47	26	55.3%	80.8%	3,180
Saint Mary's	120	79	65.8%	81.0%	11,475
Somerset	53	40	75.5%	80.0%	14,615
Talbot	56	34	60.7%	82.4%	41,392
Washington	295	145	49.2%	86.2%	1,493
Wicomico	197	117	59.4%	82.9%	11,420
Worcester	74	47	63.5%	87.2%	16,730
Corrections	1,362	632	46.4%	64.2%	7,325
TOTAL	31,067	16,268	52.4%	74.9%	10,000

*** 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 03/31/2015.

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 03/31/2015.

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 03/31/2015 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 03/31/2015 of 200 copies per milliliter or greater.