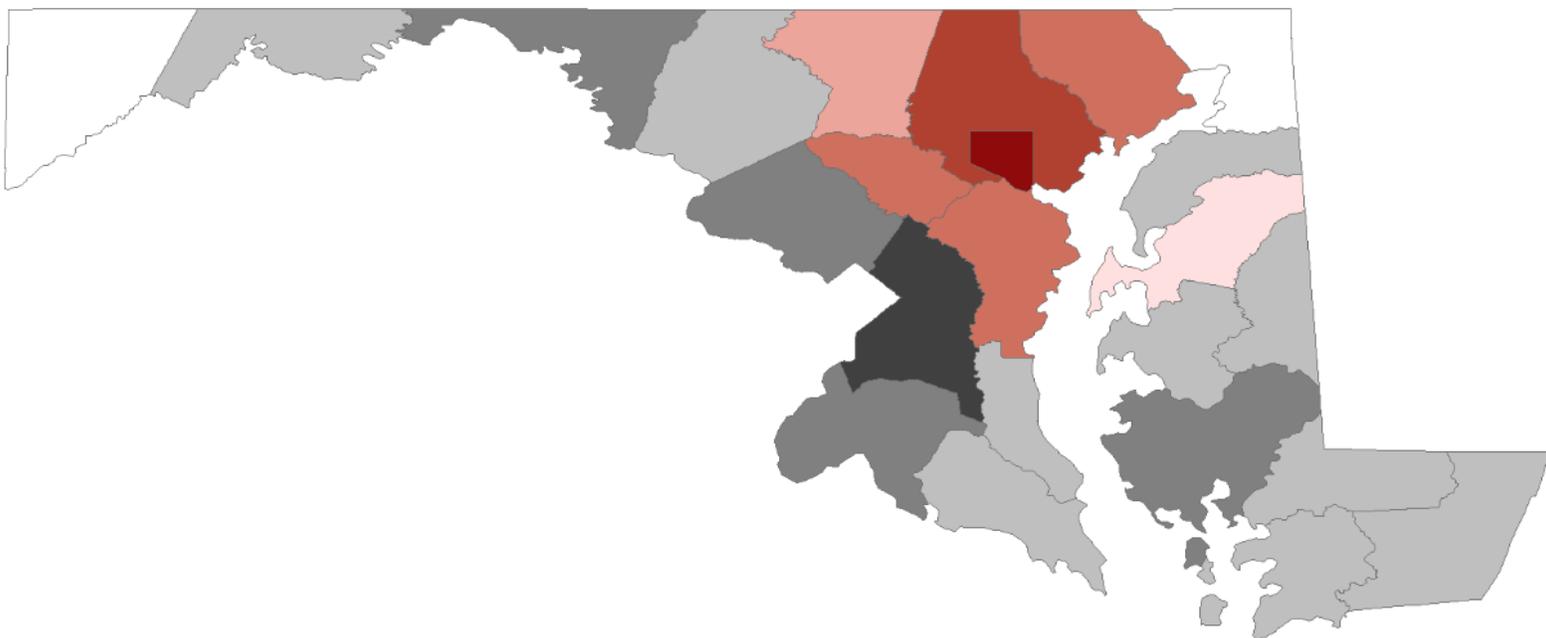


2015



# Baltimore Metro HIV Annual Epidemiological Profile

Data reported through June 30, 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  
<http://phpa.dhmh.maryland.gov/OIDEOR/CHSE>  
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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 Chiefs 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/Pages/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 or are current residents of Maryland as of 6/30/2016. Nationally, it has been estimated that 13.0% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 16.3% 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. 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. It is important to note that surveillance is an ongoing systematic collection, analysis, interpretation, and dissemination of laboratory 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. 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.

In addition to providing estimates of prevalent cases by residence at HIV diagnosis, this epidemiological profile includes estimates for HIV cases whose current residence as of 6/30/2016 was in Maryland. Current residence data are restricted to cases for which there is a case report form or laboratory test reported between 1/1/2009 and 6/30/2016. Restricting

address data to recent years presents the most accurate data available and helps to account for cases that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may be residents of Maryland but have fallen out of care during the most recent seven years. Current residence utilizes addresses as recent as 2016 but uses laboratory data from 2015 to allow for laboratory reporting.

## 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

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 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 (six months after December 31<sup>st</sup> of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the Reported HIV Diagnoses for 2015 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 01/01/2015-12/31/2015, as reported by name through 6/30/2016.

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 6/30/2016 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2015 as reported by name through 6/30/2016.

## 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" 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), June 30, 2016. The Baltimore Metro region consists of the following jurisdictions: Anne Arundel, Baltimore City, Baltimore, Carroll, Harford, Howard and Queen Anne's.

Population data by sex, age, and race/ethnicity are from the July 1, 2015 U.S. Census Estimates and by country-of-birth from the 2014 American Community Survey (note the difference in total population due to different source). 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.

Estimations of those undiagnosed are from Centers for Disease Control and Prevention's 2016 HIV Surveillance Supplemental Report published July 2016. The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

## 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).

## HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

**MSM (Men who have Sex with Men):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**MSM/IDU:** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

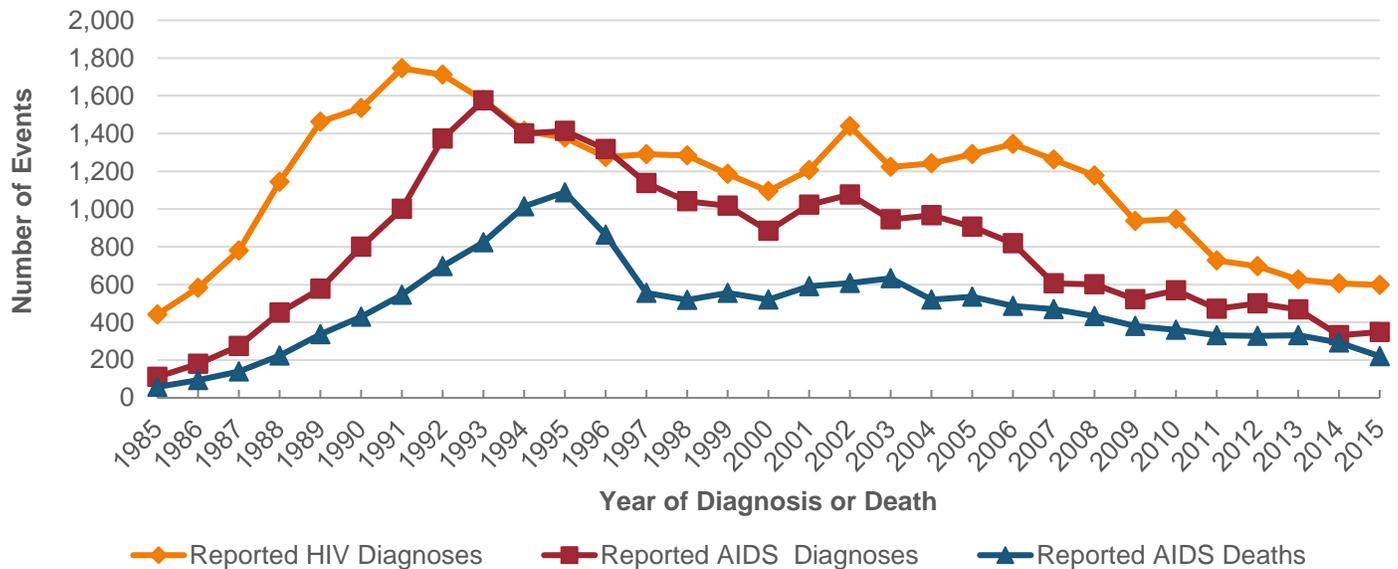
**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

**Perinatal Exposure:** Any baby born to an HIV positive mother.

## Section II – Trends 1985-2015

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2015, Reported through 6/30/2016**

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2015 as Reported through 6/30/2016



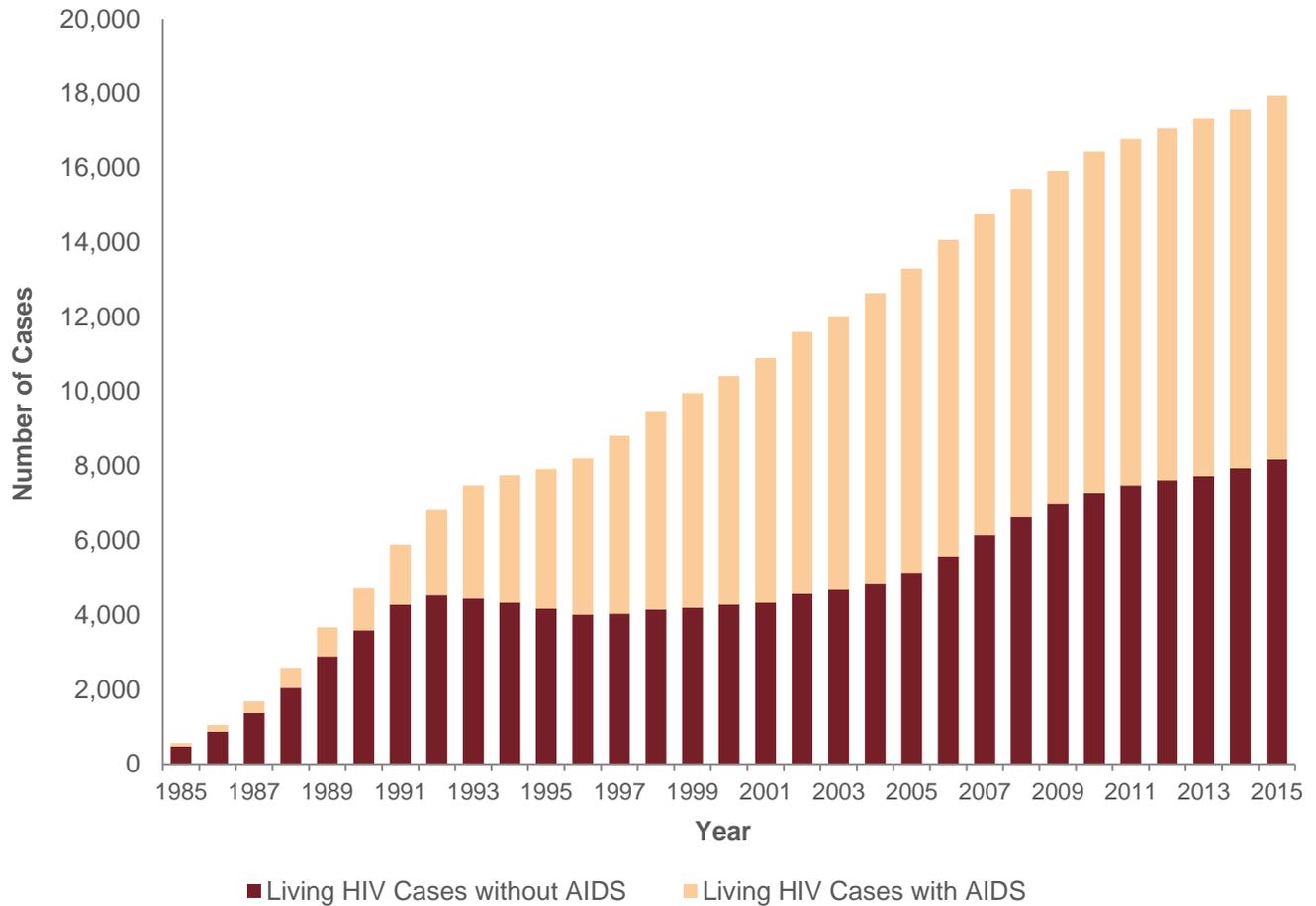
During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	223	78	36	2000	1,095	885	520
1985	442	111	58	2001	1,206	1,022	591
1986	583	180	94	2002	1,439	1,076	608
1987	780	274	140	2003	1,223	945	634
1988	1,144	452	224	2004	1,242	967	521
1989	1,463	577	336	2005	1,290	907	536
1990	1,535	801	430	2006	1,345	818	487
1991	1,745	1,000	546	2007	1,262	607	469
1992	1,712	1,374	698	2008	1,178	601	433
1993	1,577	1,575	823	2009	937	522	381
1994	1,413	1,401	1,014	2010	946	570	360
1995	1,379	1,414	1,089	2011	728	471	332
1996	1,275	1,317	864	2012	698	501	328
1997	1,290	1,137	555	2013	626	468	332
1998	1,284	1,041	519	2014	606	332	293*
1999	1,186	1,017	556	2015	598	348	220*
				<b>TOTAL</b>	<b>35,450</b>	<b>24,789</b>	<b>15,027</b>

\*2014-2015 reported AIDS deaths are preliminary.

## Figure 2 – Trends in Living HIV Cases, 1985-2015, Reported through 6/30/2016

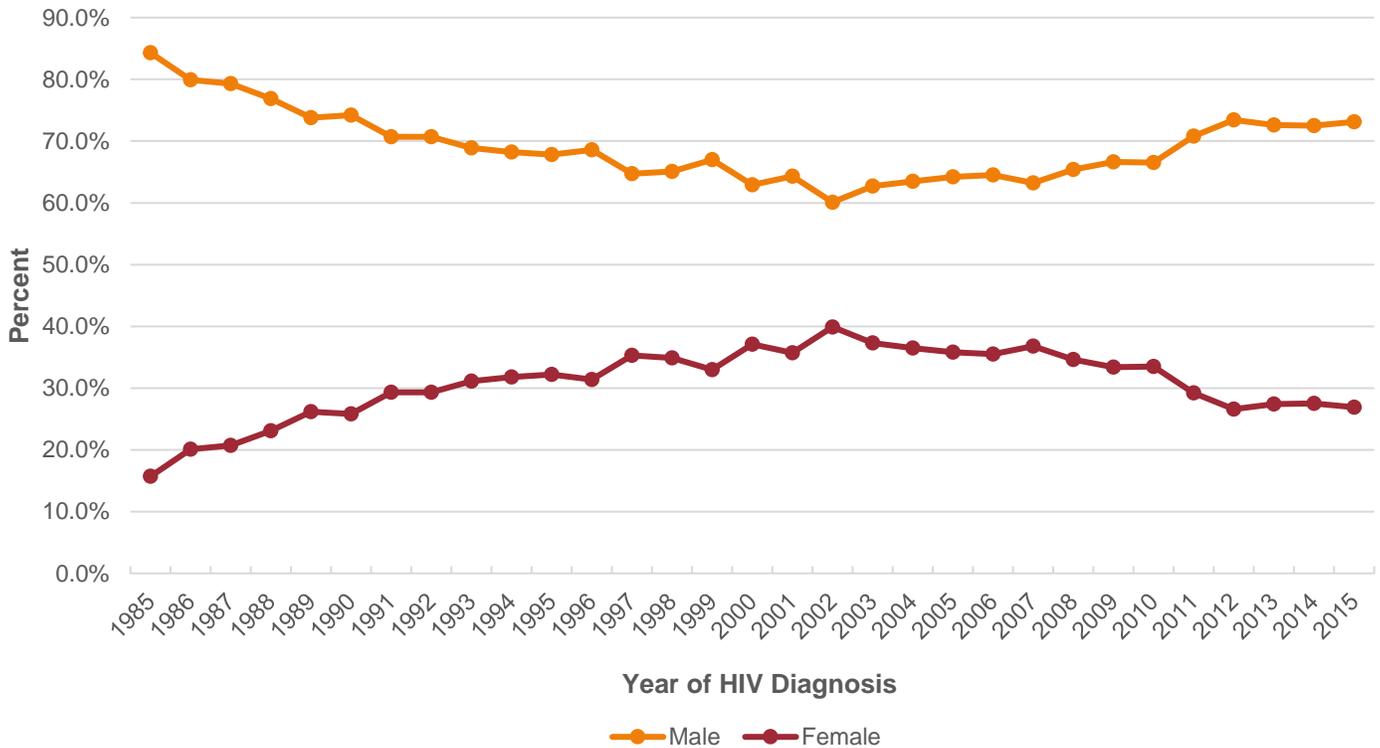
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2015, as Reported through 6/30/2016



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	474	95	569	2000	4,284	6,134	10,418
1986	868	181	1,049	2001	4,336	6,565	10,901
1987	1,367	316	1,683	2002	4,568	7,033	11,601
1988	2,045	544	2,589	2003	4,682	7,344	12,026
1989	2,887	785	3,672	2004	4,850	7,790	12,640
1990	3,584	1,156	4,740	2005	5,138	8,161	13,299
1991	4,276	1,610	5,886	2006	5,573	8,493	14,066
1992	4,531	2,286	6,817	2007	6,141	8,631	14,772
1993	4,446	3,038	7,484	2008	6,634	8,799	15,433
1994	4,333	3,426	7,759	2009	6,978	8,940	15,918
1995	4,172	3,751	7,923	2010	7,282	9,150	16,432
1996	4,007	4,204	8,211	2011	7,482	9,289	16,771
1997	4,029	4,786	8,815	2012	7,623	9,462	17,085
1998	4,150	5,308	9,458	2013	7,735	9,598	17,333
1999	4,194	5,769	9,963	2014	7,946	9,637	17,583
				2015	8,176	9,765	17,941

### Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2015, Reported through 6/30/2016

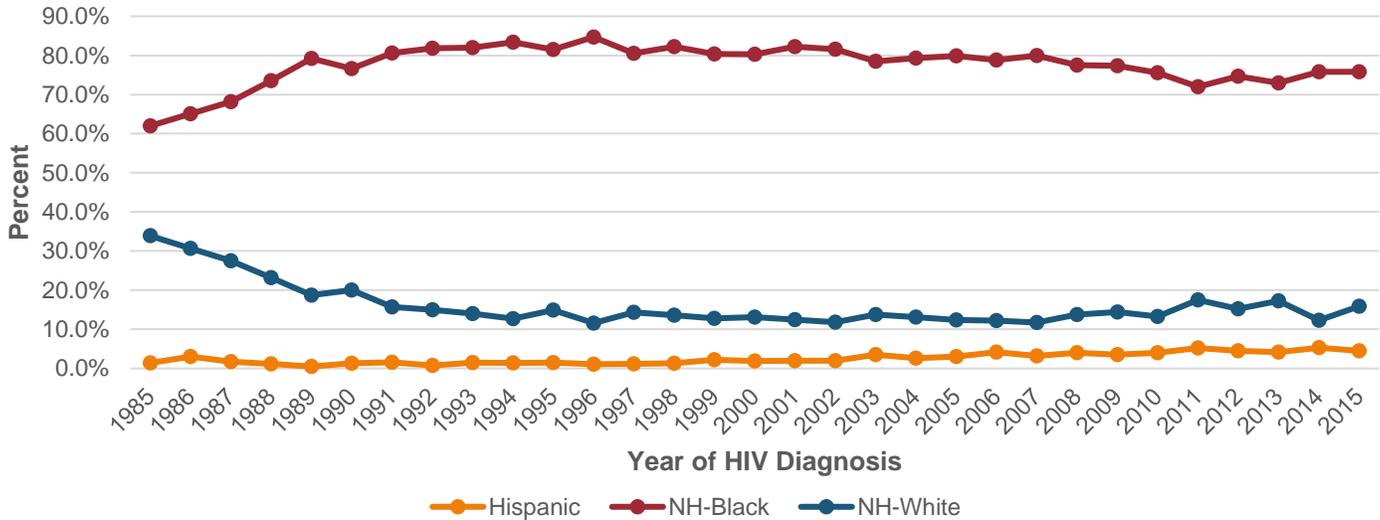
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES			YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES		
	No.	% Male	% Female		No.	% Male	% Female
<1985	221	86.0%	14.0%	2000	1,088	62.9%	37.1%
1985	434	84.3%	15.7%	2001	1,197	64.3%	35.7%
1986	576	79.9%	20.1%	2002	1,430	60.1%	39.9%
1987	764	79.3%	20.7%	2003	1,221	62.7%	37.3%
1988	1,122	76.9%	23.1%	2004	1,237	63.5%	36.5%
1989	1,435	73.8%	26.2%	2005	1,289	64.2%	35.8%
1990	1,498	74.2%	25.8%	2006	1,340	64.5%	35.5%
1991	1,708	70.7%	29.3%	2007	1,229	63.2%	36.8%
1992	1,667	70.7%	29.3%	2008	1,170	65.4%	34.6%
1993	1,532	68.9%	31.1%	2009	931	66.6%	33.4%
1994	1,383	68.2%	31.8%	2010	944	66.5%	33.5%
1995	1,360	67.8%	32.2%	2011	726	70.8%	29.2%
1996	1,254	68.6%	31.4%	2012	696	73.4%	26.6%
1997	1,280	64.7%	35.3%	2013	625	72.6%	27.4%
1998	1,268	65.1%	34.9%	2014	604	72.5%	27.5%
1999	1,171	67.0%	33.0%	2015	598	73.1%	26.9%
				<b>TOTAL</b>	<b>34,998</b>	<b>68.5%</b>	<b>31.5%</b>

## Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2015, Reported through 6/30/2016

Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016

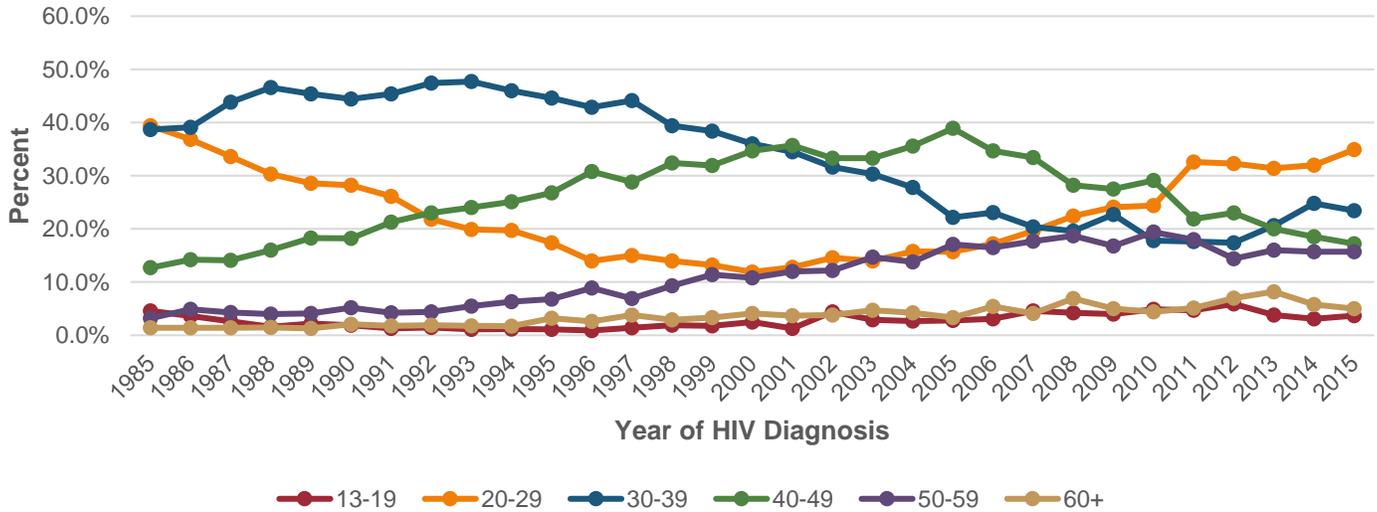


Non-Hispanic Other race not shown

YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	221	2.7%	53.8%	41.2%	2.3%
1985	434	1.4%	62.0%	33.9%	2.8%
1986	576	3.0%	65.1%	30.7%	1.2%
1987	764	1.7%	68.2%	27.5%	2.6%
1988	1,122	1.2%	73.5%	23.2%	2.1%
1989	1,435	0.5%	79.2%	18.7%	1.7%
1990	1,498	1.3%	76.6%	20.0%	2.1%
1991	1,708	1.6%	80.6%	15.7%	2.0%
1992	1,667	0.8%	81.8%	15.0%	2.4%
1993	1,532	1.5%	82.0%	14.0%	2.5%
1994	1,383	1.4%	83.4%	12.7%	2.6%
1995	1,360	1.5%	81.5%	14.9%	2.1%
1996	1,254	1.1%	84.7%	11.6%	2.6%
1997	1,280	1.2%	80.5%	14.3%	4.0%
1998	1,268	1.3%	82.2%	13.6%	2.9%
1999	1,171	2.2%	80.4%	12.8%	4.5%
2000	1,088	1.9%	80.3%	13.1%	4.7%
2001	1,197	2.0%	82.2%	12.5%	3.3%
2002	1,430	2.0%	81.6%	11.8%	4.6%
2003	1,221	3.5%	78.5%	13.8%	4.2%
2004	1,237	2.6%	79.3%	13.1%	5.0%
2005	1,289	3.0%	79.9%	12.4%	4.7%
2006	1,340	4.2%	78.8%	12.2%	4.8%
2007	1,229	3.2%	80.0%	11.7%	5.1%
2008	1,170	4.0%	77.5%	13.8%	4.6%
2009	931	3.5%	77.4%	14.4%	4.6%
2010	944	4.0%	75.6%	13.3%	7.0%
2011	726	5.2%	72.0%	17.5%	5.2%
2012	696	4.5%	74.7%	15.2%	5.6%
2013	625	4.2%	73.0%	17.3%	5.6%
2014	604	5.3%	75.8%	12.3%	6.6%
2015	598	4.5%	75.8%	15.9%	3.8%
<b>TOTAL</b>	<b>34,998</b>	<b>2.3%</b>	<b>78.6%</b>	<b>15.4%</b>	<b>3.6%</b>

## Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2015, Reported through 6/30/2016

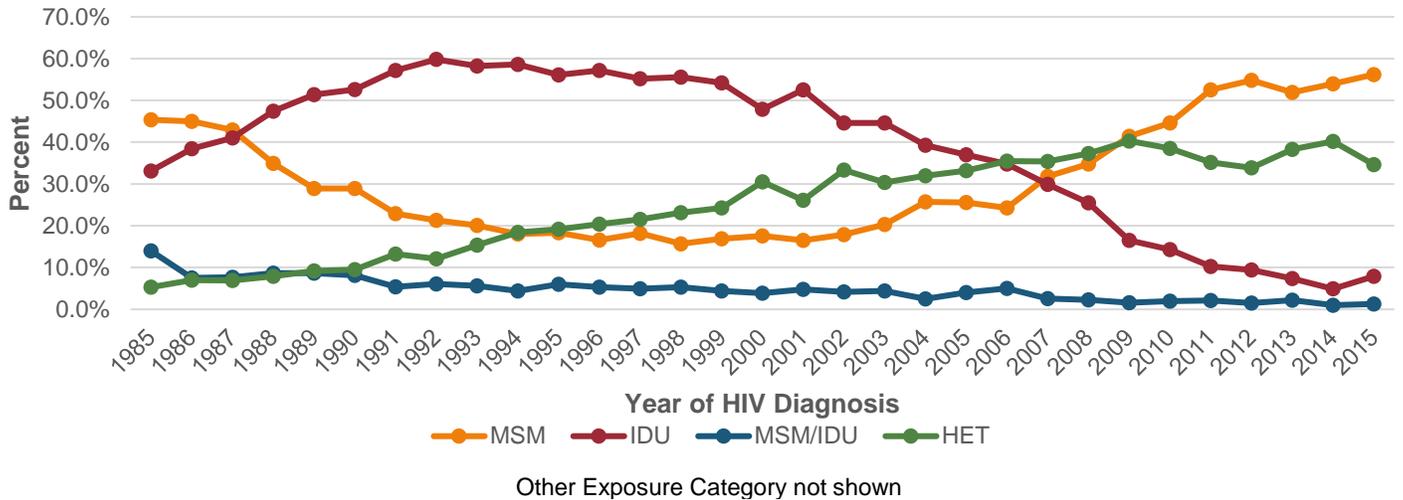
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	REPORTED ADULT/ADOLESCENT HIV DIAGNOSES						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	221	5.9%	43.4%	31.2%	13.1%	5.9%	0.5%
1985	434	4.6%	39.4%	38.7%	12.7%	3.2%	1.4%
1986	576	3.6%	36.8%	39.1%	14.2%	4.9%	1.4%
1987	764	2.6%	33.6%	43.8%	14.1%	4.3%	1.4%
1988	1,122	1.6%	30.3%	46.6%	16.0%	4.0%	1.5%
1989	1,435	2.2%	28.6%	45.4%	18.3%	4.1%	1.3%
1990	1,498	1.9%	28.2%	44.4%	18.2%	5.2%	2.1%
1991	1,708	1.3%	26.1%	45.4%	21.3%	4.2%	1.8%
1992	1,667	1.5%	21.8%	47.4%	23.0%	4.4%	1.9%
1993	1,532	1.1%	19.9%	47.7%	24.0%	5.5%	1.8%
1994	1,383	1.2%	19.7%	46.0%	25.1%	6.3%	1.7%
1995	1,360	1.1%	17.4%	44.6%	26.8%	6.8%	3.2%
1996	1,254	0.9%	14.0%	42.9%	30.8%	8.9%	2.6%
1997	1,280	1.4%	15.0%	44.1%	28.8%	6.9%	3.8%
1998	1,268	1.9%	14.0%	39.4%	32.4%	9.3%	2.9%
1999	1,171	1.8%	13.2%	38.4%	31.9%	11.4%	3.3%
2000	1,088	2.5%	11.9%	36.0%	34.7%	10.8%	4.1%
2001	1,197	1.3%	12.8%	34.5%	35.7%	12.0%	3.7%
2002	1,430	4.4%	14.6%	31.6%	33.3%	12.2%	3.8%
2003	1,221	2.9%	14.0%	30.3%	33.3%	14.7%	4.7%
2004	1,237	2.7%	15.8%	27.8%	35.6%	13.8%	4.2%
2005	1,289	2.8%	15.7%	22.2%	38.9%	17.1%	3.3%
2006	1,340	3.1%	17.2%	23.1%	34.7%	16.5%	5.4%
2007	1,229	4.6%	19.6%	20.4%	33.4%	17.7%	4.1%
2008	1,170	4.2%	22.4%	19.6%	28.2%	18.7%	6.9%
2009	931	4.0%	24.1%	22.7%	27.5%	16.8%	5.0%
2010	944	4.9%	24.4%	17.8%	29.1%	19.4%	4.4%
2011	726	4.7%	32.6%	17.6%	21.9%	18.0%	5.1%
2012	696	5.9%	32.3%	17.4%	23.0%	14.4%	7.0%
2013	625	3.8%	31.4%	20.6%	20.0%	16.0%	8.2%
2014	604	3.1%	32.0%	24.8%	18.5%	15.7%	5.8%
2015	598	3.7%	34.9%	23.4%	17.2%	15.7%	5.0%
<b>TOTAL</b>	<b>34,998</b>	<b>2.6%</b>	<b>21.5%</b>	<b>35.2%</b>	<b>26.8%</b>	<b>10.4%</b>	<b>3.4%</b>

## Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2015, Reported through 6/30/2016

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	221	216	56.9%	27.8%	7.4%	3.7%	4.2%
1985	434	414	45.4%	33.1%	14.0%	5.3%	2.2%
1986	576	560	45.0%	38.4%	7.5%	7.0%	2.1%
1987	764	741	42.9%	41.0%	7.7%	6.9%	1.5%
1988	1,122	1,086	34.9%	47.4%	8.7%	7.9%	1.1%
1989	1,435	1,396	28.9%	51.4%	8.7%	9.2%	1.8%
1990	1,498	1,438	28.9%	52.6%	8.1%	9.5%	0.9%
1991	1,708	1,632	22.9%	57.2%	5.4%	13.2%	1.2%
1992	1,667	1,584	21.3%	59.8%	6.1%	12.1%	0.8%
1993	1,532	1,487	20.1%	58.2%	5.6%	15.4%	0.7%
1994	1,383	1,324	18.0%	58.6%	4.4%	18.4%	0.7%
1995	1,360	1,299	18.3%	56.1%	6.0%	19.2%	0.3%
1996	1,254	1,199	16.6%	57.2%	5.3%	20.4%	0.4%
1997	1,280	1,195	18.2%	55.2%	4.9%	21.5%	0.2%
1998	1,268	1,192	15.7%	55.6%	5.3%	23.1%	0.3%
1999	1,171	1,083	16.9%	54.2%	4.4%	24.3%	0.2%
2000	1,088	1,002	17.6%	47.9%	3.9%	30.5%	0.1%
2001	1,197	1,094	16.5%	52.5%	4.8%	26.1%	0.1%
2002	1,430	1,268	17.9%	44.6%	4.2%	33.3%	0.1%
2003	1,221	1,098	20.3%	44.6%	4.4%	30.4%	0.3%
2004	1,237	1,105	25.7%	39.3%	2.5%	32.0%	0.5%
2005	1,289	1,089	25.6%	37.0%	4.0%	33.2%	0.1%
2006	1,340	1,066	24.3%	34.8%	5.0%	35.5%	0.5%
2007	1,229	954	31.8%	29.9%	2.6%	35.4%	0.3%
2008	1,170	830	34.8%	25.5%	2.3%	37.3%	0.0%
2009	931	635	41.4%	16.5%	1.6%	40.3%	0.2%
2010	944	603	44.6%	14.3%	2.0%	38.5%	0.7%
2011	726	486	52.5%	10.3%	2.1%	35.2%	0.0%
2012	696	540	54.8%	9.4%	1.5%	33.9%	0.4%
2013	625	543	51.9%	7.4%	2.2%	38.3%	0.2%
2014	604	515	54.0%	4.9%	1.0%	40.2%	0.0%
2015	598	393	56.2%	7.9%	1.3%	34.6%	0.0%
<b>TOTAL</b>	<b>34,998</b>	<b>31,067</b>	<b>27.2%</b>	<b>44.3%</b>	<b>5.0%</b>	<b>22.9%</b>	<b>0.6%</b>

\*2015 reported HIV exposure data are preliminary.

## Section III – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Anne Arundel	472,498	62	10.4%	13.1	49	79.0%	16	25.8%	50	80.6%	345
Baltimore City	523,202	353	59.0%	67.5	295	83.6%	79	22.4%	279	79.0%	384
Baltimore	701,736	133	22.2%	19.0	113	85.0%	33	24.8%	109	82.0%	384
Carroll	142,863	6	1.0%	4.2	***	***	***	***	***	***	***
Harford	210,992	12	2.0%	5.7	10	83.3%	5	41.7%	8	66.7%	110
Howard	260,100	31	5.2%	11.9	29	93.5%	7	22.6%	25	80.6%	389
Queen Anne's	41,518	1	0.2%	2.4	***	***	***	***	***	***	***
<b>TOTAL</b>	<b>2,352,908</b>	<b>598</b>	<b>100.0%</b>	<b>25.4</b>	<b>503</b>	<b>84.1%</b>	<b>143</b>	<b>23.9%</b>	<b>478</b>	<b>79.9%</b>	<b>374</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 7/1/2015.

**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).

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number 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 calculated from Percent Linked to Care.

**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.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Number and 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 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 6/30/2016**

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
Anne Arundel	472,498	30	8.7%	6.3	3.8	56.7%
Baltimore City	523,202	213	61.7%	40.7	5.1	39.9%
Baltimore	701,736	73	21.2%	10.4	4.9	47.9%
Carroll	142,863	5	1.4%	3.5	1.2	80.0%
Harford	210,992	10	2.9%	4.7	2.9	80.0%
Howard	260,100	14	4.1%	5.4	6.0	42.9%
Queen Anne's	41,518	0	0.0%	0.0	--	--
<b>TOTAL</b>	2,352,908	345	100.0%	14.7	4.9	44.9%

\*\*\* 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 7/1/2015.

**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).

**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 12/31/2015, by Jurisdiction, Reported through 6/30/2016**

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)
Anne Arundel	472,498	546	6.8%	115.6	634	6.6%	134.2	1,180	6.7%	249.7	400
Baltimore City	523,202	5,626	70.1%	1,075.3	6,847	71.3%	1,308.7	12,473	70.8%	2,384.0	41
Baltimore	701,736	1,304	16.2%	185.8	1,512	15.7%	215.5	2,816	16.0%	401.3	249
Carroll	142,863	59	0.7%	41.3	71	0.7%	49.7	130	0.7%	91.0	1,098
Harford	210,992	191	2.4%	90.5	237	2.5%	112.3	428	2.4%	202.9	492
Howard	260,100	283	3.5%	108.8	270	2.8%	103.8	553	3.1%	212.6	470
Queen Anne's	41,518	16	0.2%	38.5	33	0.3%	79.5	49	0.3%	118.0	847
<b>TOTAL</b>	<b>2,352,908</b>	<b>8,025</b>	<b>100.0%</b>	<b>341.1</b>	<b>9,604</b>	<b>100.0%</b>	<b>408.2</b>	<b>17,629</b>	<b>100.0%</b>	<b>749.2</b>	<b>133</b>

**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 7/1/2015.

**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 December 31<sup>st</sup> of the specified year.

**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 December 31<sup>st</sup> of 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 December 31<sup>st</sup> of the specified year.

**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 3A – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction and Current Residence, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITH OR WITHOUT AIDS DIAGNOSIS								
		Residence at HIV Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio	No.	% of Total	Rate	Ratio	
Anne Arundel	472,498	1,180	6.7%	249.7	400	1,175	7.3%	248.7	402	-0.4%
Baltimore City	523,202	12,473	70.8%	2,384.0	41	10,558	65.7%	2,018.0	49	-15.4%
Baltimore	701,736	2,816	16.0%	401.3	249	3,177	19.8%	452.7	220	12.8%
Carroll	142,863	130	0.7%	91.0	1,098	123	0.8%	86.1	1,161	-5.4%
Harford	210,992	428	2.4%	202.9	492	431	2.7%	204.3	489	0.7%
Howard	260,100	553	3.1%	212.6	470	567	3.5%	218.0	458	2.5%
Queen Anne's	41,518	49	0.3%	118.0	847	48	0.3%	115.6	864	-2.0%
<b>TOTAL</b>	<b>2,352,908</b>	<b>17,629</b>	<b>100.0%</b>	<b>749.2</b>	<b>133</b>	<b>16,079</b>	<b>100.0%</b>	<b>683.4</b>	<b>146</b>	<b>-8.8%</b>

**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 December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence:** Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2015.

**Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Current Residence:** Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

**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.

**Percent Change:** The extent to which a county gained or lost HIV/AIDS cases relative to the number of cases diagnosed in the county.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

**Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, Reported through 6/30/2016**

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	
Anne Arundel	1,180	683	57.9%	550	12.0%	13.8%	18.3%	55.9%
Baltimore City	12,473	7,100	56.9%	527	14.1%	15.4%	17.5%	53.0%
Baltimore	2,816	1,611	57.2%	564	12.0%	13.3%	16.6%	58.0%
Carroll	130	62	47.7%	600	17.7%	9.7%	9.7%	62.9%
Harford	428	256	59.8%	553	14.1%	15.6%	16.0%	54.3%
Howard	553	304	55.0%	564	12.8%	15.8%	14.8%	56.6%
Queen Anne's	49	29	59.2%	605	13.8%	17.2%	3.4%	65.5%
<b>TOTAL</b>	<b>17,629</b>	<b>10,045</b>	<b>57.0%</b>	<b>535</b>	<b>13.6%</b>	<b>15.0%</b>	<b>17.2%</b>	<b>54.2%</b>

**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 December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**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 measured in the specified year, reported through 6/30/2016.

**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 12/31/2015, by Jurisdiction, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	No.	Recent Viral Load Test Result				Median Unsuppressed
		No. with Test	% with Test	% Suppressed		
Anne Arundel	1,180	642	54.4%	76.5%	12,048	
Baltimore City	12,473	6,503	52.1%	70.8%	10,990	
Baltimore	2,816	1,482	52.6%	78.1%	12,589	
Carroll	130	64	49.2%	84.4%	45,252	
Harford	428	238	55.6%	78.2%	15,814	
Howard	553	308	55.7%	77.6%	30,990	
Queen Anne's	49	27	55.1%	85.2%	71,428	
<b>TOTAL</b>	<b>17,629</b>	<b>9,264</b>	<b>52.5%</b>	<b>72.9%</b>	<b>11,846</b>	

**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 December 31<sup>st</sup> of the specified year.

**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 measured in the specified year, reported through 6/30/2016.

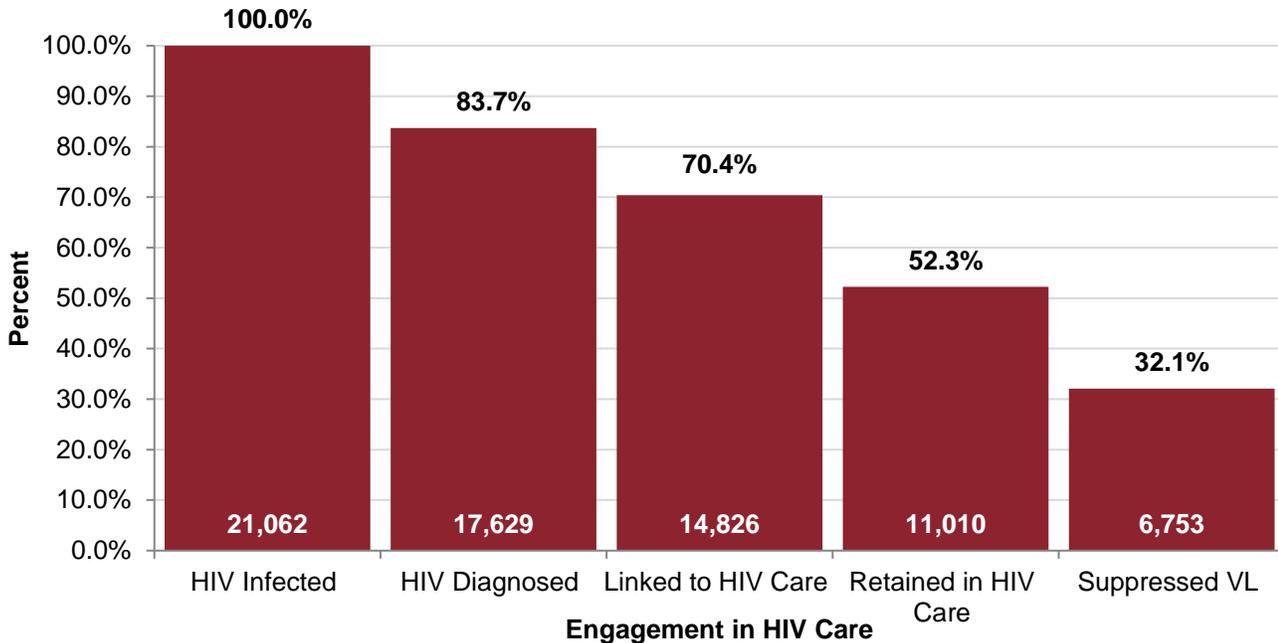
**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

**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 measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

## Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.<sup>1</sup> utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The prevalence-based Baltimore Metro Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)<sup>2</sup> to generate an estimated number of HIV infected persons in the Baltimore Metro region. It then uses local data to describe the number and percentage of persons living with HIV in the Baltimore Metro region who belong to each of the stages of engagement in HIV care.

### Prevalence-Based Estimated Number and Percentage of HIV Infected Adults Engaged in Selected Stages of the Continuum of Care



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	21,062	100.0%
HIV Diagnosed	17,629	83.7%
Linked to HIV Care	14,826	70.4%
Retained in HIV Care	11,010	52.3%
Suppressed VL	6,753	32.1%

**HIV Infected:** HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

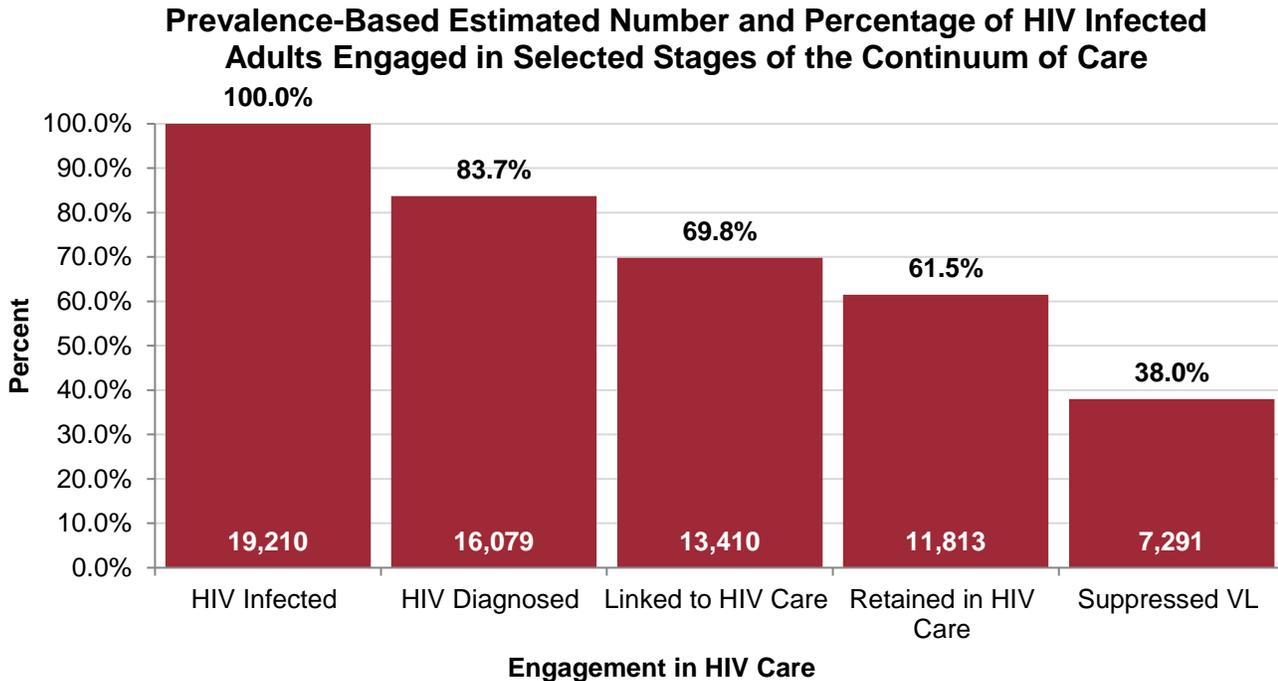
**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load measured in the specified year, reported through 6/30/2016 of less than 200 copies per milliliter.

<sup>1</sup> Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test and Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis.* 2011; 52 (6): 7930-800.

<sup>2</sup> Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

## Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The prevalence-based Baltimore Metro Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)<sup>1</sup> to generate an estimated number of HIV infected persons in the Baltimore Metro region. It then uses local data for current Baltimore Metro residents to describe the number and percentage of persons living with HIV in the Baltimore Metro region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	19,210	100.0%
HIV Diagnosed	16,079	83.7%
Linked to HIV Care	13,410	69.8%
Retained in HIV Care	11,813	61.5%
Suppressed VL	7,291	38.0%

**HIV Infected:** HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

**HIV Diagnosed:** Adult/adolescent total living HIV as of December 31<sup>st</sup> of the specified year with a recent address in Maryland between 2009 and 2016.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

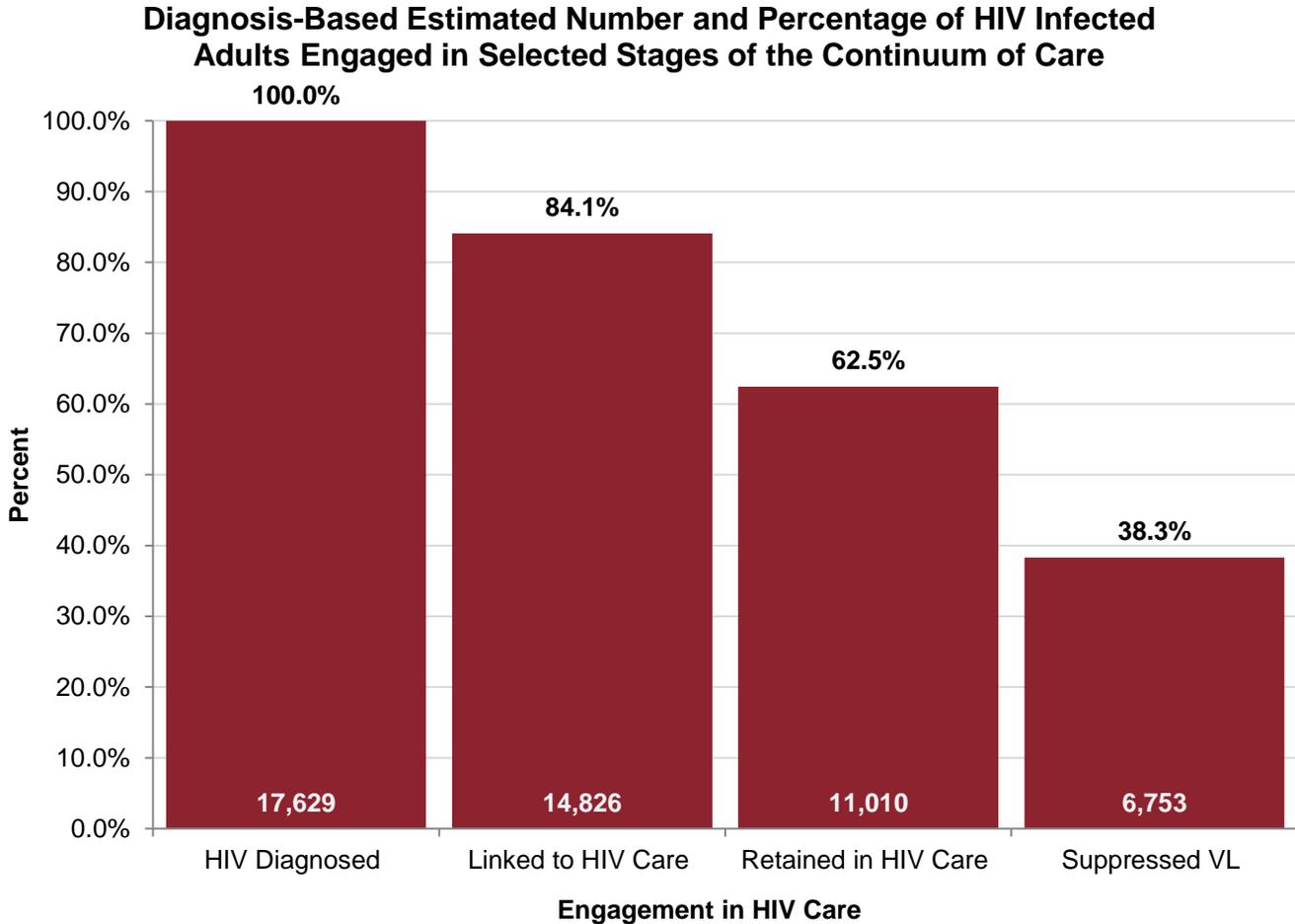
**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

<sup>1</sup> Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

## Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

The diagnosis-based Baltimore Metro Engagement in HIV Care Cascade (below) uses local data to describe the number and percentage of persons diagnosed with HIV in the Baltimore Metro region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	17,629	100.0%
Linked to HIV Care	14,826	84.1%
Retained in HIV Care	11,010	62.5%
Suppressed VL	6,753	38.3%

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

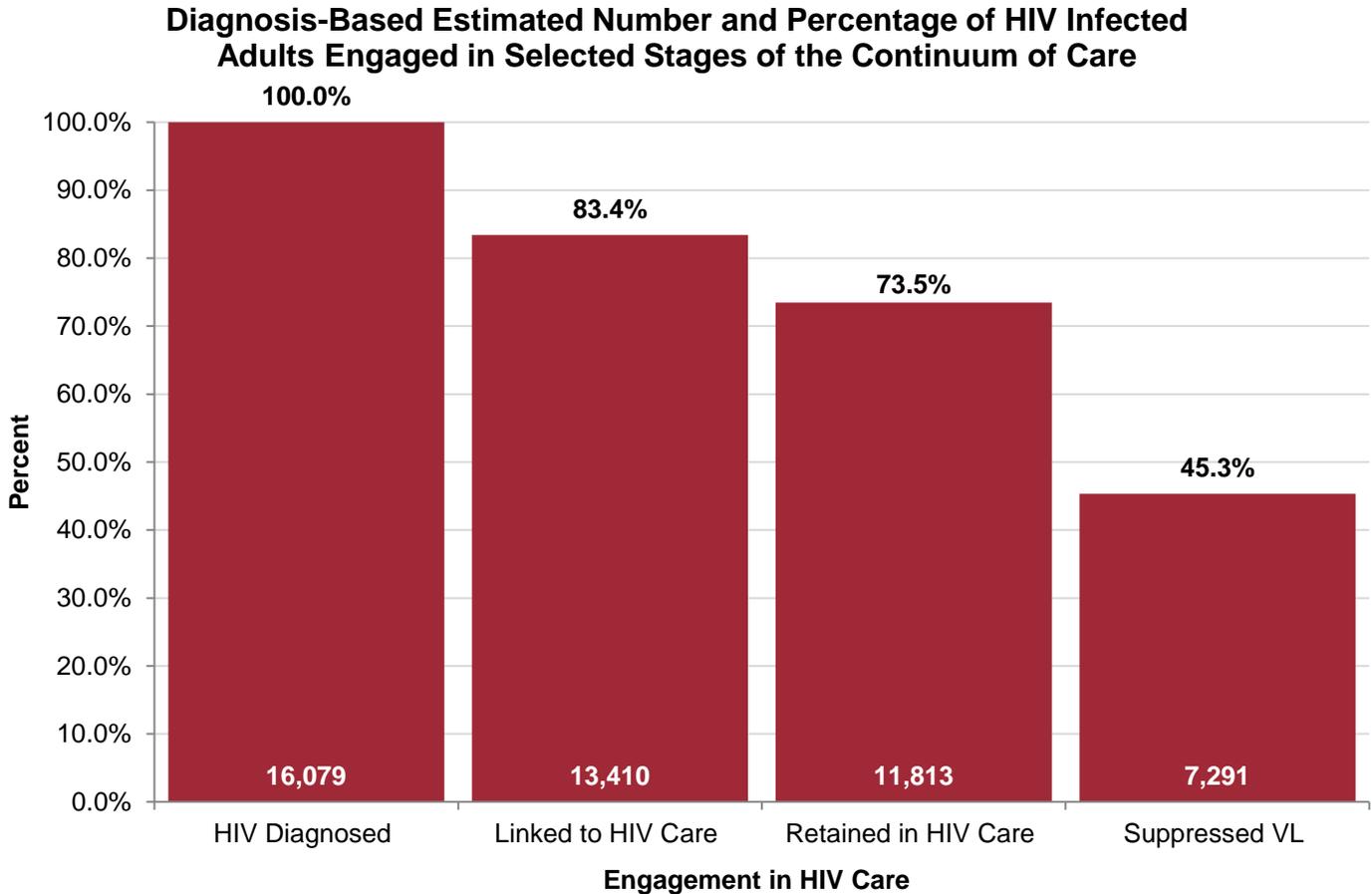
**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

## Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The diagnosis-based Baltimore Metro Engagement in HIV Care Cascade (below) uses local data for current Baltimore Metro residents to describe the number and percentage of persons diagnosed with HIV in the Baltimore Metro region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	16,079	100.0%
Linked to HIV Care	13,410	83.4%
Retained in HIV Care	11,813	73.5%
Suppressed VL	7,291	45.3%

**HIV Diagnosed:** Adult/adolescent total living HIV as of December 31<sup>st</sup> of the specified year with a recent address in Maryland between 2009 and 2016.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

## Section IV – Cases by Age

**Table 6 – HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 6/30/2016**

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES										
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late Diagnosis	% Late Diagnosis	First CD4 Test Result			
									No. with Test	% with Test	Median Count	
<5 (Pediatric)	170,028	0	0.0%	0.0	--	--	--	--	--	--	--	--
5-12 (Pediatric)	274,471	0	0.0%	0.0	--	--	--	--	--	--	--	--
13-19	244,888	22	3.7%	9.0	22	100.0%	***	***	19	86.4%	420	
20-29	394,843	209	34.9%	52.9	177	84.7%	39	18.7%	171	81.8%	412	
30-39	374,569	140	23.4%	37.4	115	82.1%	30	21.4%	111	79.3%	436	
40-49	360,297	103	17.2%	28.6	84	81.6%	32	31.1%	78	75.7%	266	
50-59	409,689	94	15.7%	22.9	76	80.9%	27	28.7%	72	76.6%	313	
60+	568,622	30	5.0%	5.3	29	96.7%	***	***	27	90.0%	279	
<b>TOTAL</b>	<b>2,797,407</b>	<b>598</b>	<b>100.0%</b>	<b>21.4</b>	<b>503</b>	<b>84.1%</b>	<b>143</b>	<b>23.9%</b>	<b>478</b>	<b>79.9%</b>	<b>374</b>	

\*\*\* Data withheld due to low population counts and/or case counts

**Table 7 – AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 6/30/2016**

AGE AT AIDS DIAGNOSIS	POPULATION	REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	170,028	0	0.0%	0.0	--	--
5-12 (Pediatric)	274,471	0	0.0%	0.0	--	--
13-19	244,888	2	0.6%	0.8	***	***
20-29	394,843	73	21.0%	18.5	2.7	61.6%
30-39	374,569	79	22.7%	21.1	4.9	39.2%
40-49	360,297	75	21.6%	20.8	5.8	41.3%
50-59	409,689	81	23.3%	19.8	5.6	40.7%
60+	568,622	38	10.9%	6.7	***	***
<b>TOTAL</b>	<b>2,797,407</b>	<b>348</b>	<b>100.0%</b>	<b>12.4</b>	<b>5.0</b>	<b>44.5%</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Population:** Population estimate for 7/1/2015.

**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).

**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.

**Number Linked to Care:** Number 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 calculated from Percent Linked to Care.

**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.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late 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.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**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.

**Table 8 – HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016**

AGE ON 12/31/2015	POPULATION	LIVING HIV CASES WITHOUT AIDS			LIVING HIV CASES WITH AIDS			TOTAL LIVING HIV CASES			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5	170,028	2	0.0%	1.2	1	0.0%	0.6	3	0.0%	1.8	56,676
5-12	274,471	24	0.3%	8.7	3	0.0%	1.1	27	0.2%	9.8	10,165
13-19	244,888	83	1.0%	33.9	30	0.3%	12.3	113	0.6%	46.1	2,167
20-29	394,843	1,219	14.9%	308.7	529	5.4%	134.0	1,748	9.7%	442.7	225
30-39	374,569	1,550	19.0%	413.8	1,111	11.4%	296.6	2,661	14.8%	710.4	140
40-49	360,297	1,783	21.8%	494.9	2,346	24.0%	651.1	4,129	23.0%	1,146.0	87
50-59	409,689	2,384	29.2%	581.9	3,760	38.5%	917.8	6,144	34.2%	1,499.7	66
60+	568,622	1,131	13.8%	198.9	1,985	20.3%	349.1	3,116	17.4%	548.0	182
<b>TOTAL</b>	<b>2,797,407</b>	<b>8,176</b>	<b>100.0%</b>	<b>292.3</b>	<b>9,765</b>	<b>100.0%</b>	<b>349.1</b>	<b>17,941</b>	<b>100.0%</b>	<b>641.3</b>	<b>155</b>

**Age on [date]:** Age group of living cases on the specified date.

**Population:** Population estimate for 7/1/2015.

**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 December 31<sup>st</sup> of the specified year.

**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 December 31<sup>st</sup> of 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 December 31<sup>st</sup> of the specified year.

**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 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016**

ADULT/ADOLESCENT TOTAL LIVING HIV CASES								
AGE ON 12/31/2015	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	39	25	64.1%	663	4.0%	20.0%	24.0%	52.0%
20-29	1,555	935	60.1%	522	12.1%	15.0%	19.6%	53.4%
30-39	2,646	1,426	53.9%	531	14.0%	14.7%	17.6%	53.7%
40-49	4,129	2,292	55.5%	521	15.1%	15.6%	17.0%	52.3%
50-59	6,144	3,603	58.6%	550	13.7%	14.7%	16.0%	55.6%
60+	3,116	1,764	56.6%	545	12.0%	14.9%	18.3%	54.8%
<b>TOTAL</b>	<b>17,629</b>	<b>10,045</b>	<b>57.0%</b>	<b>535</b>	<b>13.6%</b>	<b>15.0%</b>	<b>17.2%</b>	<b>54.2%</b>

**Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016**

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
AGE ON 12/31/2015	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
13-19	39	30	76.9%	30.0%	9,490
20-29	1,555	975	62.7%	55.2%	14,791
30-39	2,646	1,385	52.3%	64.7%	14,125
40-49	4,129	2,160	52.3%	72.6%	14,400
50-59	6,144	3,219	52.4%	77.6%	8,218
60+	3,116	1,495	48.0%	83.1%	5,661
<b>TOTAL</b>	<b>17,629</b>	<b>9,264</b>	<b>52.5%</b>	<b>72.9%</b>	<b>11,846</b>

**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 December 31<sup>st</sup> of the specified year.

**Age on [date]:** Age group of living cases on the specified date.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**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).

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year, reported through 6/30/2016.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

**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 measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

## Section V – Adult/Adolescent Cases by Demographics

**Table 11 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016**

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
Male	1,122,721	437	73.1%	38.9	367	84.0%	109	24.9%	347	79.4%	361
Female	1,230,187	161	26.9%	13.1	136	84.5%	34	21.1%	131	81.4%	420
<b>TOTAL</b>	<b>2,352,908</b>	<b>598</b>	<b>100.0%</b>	<b>25.4</b>	<b>503</b>	<b>84.1%</b>	<b>143</b>	<b>23.9%</b>	<b>478</b>	<b>79.9%</b>	<b>374</b>

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
Hispanic	111,938	27	4.5%	24.1	23	85.2%	9	33.3%	23	85.2%	360
Non-Hispanic	2,240,970	571	95.5%	25.5	480	84.1%	134	23.5%	455	79.7%	374
American Indian/Alaska Native, only	5,960	2	0.3%	33.6	***	***	***	***	***	***	***
Asian, only	128,614	7	1.2%	5.4	***	***	***	***	***	***	***
Black, only	664,587	453	75.8%	68.2	371	81.9%	100	22.1%	347	76.6%	365
Native Hawaiian/Other Pacific Islander, only	1,242	0	0.0%	0.0	--	--	--	--	--	--	--
White, only	1,401,506	95	15.9%	6.8	86	90.5%	27	28.4%	85	89.5%	433
Multiracial/Other	39,062	14	2.3%	35.8	14	100.0%	***	***	14	100.0%	339
<b>TOTAL</b>	<b>2,352,908</b>	<b>598</b>	<b>100.0%</b>	<b>25.4</b>	<b>503</b>	<b>84.1%</b>	<b>143</b>	<b>23.9%</b>	<b>478</b>	<b>79.9%</b>	<b>374</b>

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
United States	2,060,873	489	81.8%	23.7	408	83.4%	117	23.9%	387	79.1%	375
Foreign-born	245,535	28	4.7%	11.4	25	89.3%	8	28.6%	26	92.9%	416
Africa	--	15	2.5%	--	13	86.7%	5	33.3%	13	86.7%	335
Asia	--	3	0.5%	--	***	***	***	***	***	***	***
Caribbean	--	1	0.2%	--	***	***	***	***	***	***	***
Central America	--	6	1.0%	--	5	83.3%	***	***	6	100.0%	380
Other	--	3	0.5%	--	***	***	***	***	***	***	***
Unknown	--	81	13.5%	--	70	86.4%	18	22.2%	65	80.2%	355
<b>TOTAL</b>	<b>2,306,409</b>	<b>598</b>	<b>100.0%</b>	<b>25.9</b>	<b>503</b>	<b>84.1%</b>	<b>143</b>	<b>23.9%</b>	<b>478</b>	<b>79.9%</b>	<b>374</b>

\* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

\*\* Population data by country of birth are from the 2014 American Community Survey

\*\*\* Data withheld due to low population 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.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2015.

**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).

**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.

**Number Linked to Care:** Number 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 calculated from Percent Linked to Care.

**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.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late 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 12 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016**

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	1,122,721	237	68.7%	21.1	4.3	50.6%
Female	1,230,187	108	31.3%	8.8	6.2	32.4%
<b>TOTAL</b>	<b>2,352,908</b>	<b>345</b>	<b>100.0%</b>	<b>14.7</b>	<b>4.9</b>	<b>44.9%</b>

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	111,938	14	4.1%	12.5	3.2	57.1%
Non-Hispanic	2,240,970	331	95.9%	14.8	5.0	44.4%
American Indian/Alaska Native, only	5,960	2	0.6%	33.6	***	***
Asian, only	128,614	4	1.2%	3.1	***	***
Black, only	664,587	267	77.4%	40.2	5.2	40.8%
Native Hawaiian/Other Pacific Islander, only	1,242	0	0.0%	0.0	--	--
White, only	1,401,506	46	13.3%	3.3	3.6	63.0%
Multiracial/Other	39,062	12	3.5%	30.7	5.0	41.7%
<b>TOTAL</b>	<b>2,352,908</b>	<b>345</b>	<b>100.0%</b>	<b>14.7</b>	<b>4.9</b>	<b>44.9%</b>

COUNTY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	2,060,873	307	89.0%	14.9	5.3	41.7%
Foreign-born	245,535	14	4.1%	5.7	2.4	57.1%
Africa	--	6	1.7%	--	0.0	100.0%
Asia	--	2	0.6%	--	***	***
Caribbean	--	1	0.3%	--	***	***
Central America	--	5	1.4%	--	4.8	20.0%
Other	--	0	0.0%	--	--	--
Unknown	--	24	7.0%	--	1.4	79.2%
<b>TOTAL</b>	<b>2,306,409</b>	<b>345</b>	<b>100.0%</b>	<b>15.0</b>	<b>4.9</b>	<b>44.9%</b>

\* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

\*\* Population data by country of birth are from the 2014 American Community Survey

\*\*\* Data withheld due to low population 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.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2015.

**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).

**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 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016**

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Male	1,122,721	5,300	66.0%	472.1	6,131	63.8%	546.1	11,431	64.8%	1,018.2	98
Female	1,230,187	2,725	34.0%	221.5	3,473	36.2%	282.3	6,198	35.2%	503.8	198
<b>TOTAL</b>	<b>2,352,908</b>	<b>8,025</b>	<b>100.0%</b>	<b>341.1</b>	<b>9,604</b>	<b>100.0%</b>	<b>408.2</b>	<b>17,629</b>	<b>100.0%</b>	<b>749.2</b>	<b>133</b>

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
<b>Hispanic</b>	111,938	253	3.2%	226.0	352	3.7%	314.5	605	3.4%	540.5	185
<b>Non-Hispanic</b>	2,240,970	7,772	96.8%	346.8	9,252	96.3%	412.9	17,024	96.6%	759.7	131
American Indian/Alaska Native, only	5,960	8	0.1%	134.2	9	0.1%	151.0	17	0.1%	285.2	350
Asian, only	128,614	47	0.6%	36.5	24	0.2%	18.7	71	0.4%	55.2	1,811
Black, only	664,587	6,113	76.2%	919.8	7,382	76.9%	1,110.8	13,495	76.6%	2,030.6	49
Native Hawaiian/Other Pacific Islander, only	1,242	3	0.0%	241.5	0	0.0%	0.0	3	0.0%	241.5	414
White, only	1,401,506	1,308	16.3%	93.3	1,341	14.0%	95.7	2,649	15.0%	189.0	529
Multiracial/Other	39,062	293	3.7%	750.1	496	5.2%	1,269.8	789	4.5%	2,019.9	49
<b>TOTAL</b>	<b>2,352,908</b>	<b>8,025</b>	<b>100.0%</b>	<b>341.1</b>	<b>9,604</b>	<b>100.0%</b>	<b>408.2</b>	<b>17,629</b>	<b>100.0%</b>	<b>749.2</b>	<b>133</b>

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
<b>United States</b>	2,060,873	7,457	92.9%	361.8	9,092	94.7%	441.2	16,549	93.9%	803.0	124
<b>Foreign-born</b>	245,535	210	2.6%	85.5	352	3.7%	143.4	562	3.2%	228.9	436
Africa	--	105	1.3%	--	182	1.9%	--	287	1.6%	--	--
Asia	--	22	0.3%	--	30	0.3%	--	52	0.3%	--	--
Caribbean	--	19	0.2%	--	33	0.3%	--	52	0.3%	--	--
Central America	--	32	0.4%	--	70	0.7%	--	102	0.6%	--	--
Other	--	32	0.4%	--	37	0.4%	--	69	0.4%	--	--
Unknown	--	358	4.5%	--	160	1.7%	--	518	2.9%	--	--
<b>TOTAL</b>	<b>2,306,409</b>	<b>8,025</b>	<b>100.0%</b>	<b>347.9</b>	<b>9,604</b>	<b>100.0%</b>	<b>416.4</b>	<b>17,629</b>	<b>100.0%</b>	<b>764.3</b>	<b>130</b>

\* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

\*\* Population data by country of birth are from the 2014 American Community Survey

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2015.

**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 December 31<sup>st</sup> of the specified year.

**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 December 31<sup>st</sup> of 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 December 31<sup>st</sup> of the specified year.

**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 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016**

ADULT/ADOLESCENT TOTAL LIVING HIV CASES								
SEX AT BIRTH	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	11,431	6,206	54.3%	517	13.8%	15.8%	18.3%	52.1%
Female	6,198	3,839	61.9%	578	13.3%	13.6%	15.4%	57.6%
<b>TOTAL</b>	<b>17,629</b>	<b>10,045</b>	<b>57.0%</b>	<b>535</b>	<b>13.6%</b>	<b>15.0%</b>	<b>17.2%</b>	<b>54.2%</b>

ADULT/ADOLESCENT TOTAL LIVING HIV CASES								
RACE/ETHNICITY	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
<b>Hispanic</b>	605	344	56.9%	506	13.4%	14.8%	20.9%	50.9%
<b>Non-Hispanic</b>	17,024	9,701	57.0%	537	13.6%	15.0%	17.1%	54.4%
American Indian/Alaska Native, only	17	***	***	***	***	***	***	***
Asian, only	71	43	60.6%	496	7.0%	18.6%	25.6%	48.8%
Black, only	13,495	7,765	57.5%	529	13.9%	15.4%	17.3%	53.4%
Native Hawaiian/Other Pacific Islander, only	3	***	***	***	***	***	***	***
White, only	2,649	1,338	50.5%	598	10.8%	12.0%	15.7%	61.5%
Multiracial/Other	789	550	69.7%	509	16.2%	16.7%	16.2%	50.9%
<b>TOTAL</b>	<b>17,629</b>	<b>10,045</b>	<b>57.0%</b>	<b>535</b>	<b>13.6%</b>	<b>15.0%</b>	<b>17.2%</b>	<b>54.2%</b>

ADULT/ADOLESCENT TOTAL LIVING HIV CASES								
COUNTRY OF BIRTH	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
<b>United States</b>	16,549	9,413	56.9%	536	13.8%	14.9%	17.0%	54.3%
<b>Foreign-born</b>	562	311	55.3%	515	9.3%	15.4%	21.9%	53.4%
Africa	287	161	56.1%	532	9.9%	12.4%	21.7%	55.9%
Asia	52	28	53.8%	474	10.7%	21.4%	28.6%	39.3%
Caribbean	52	32	61.5%	554	6.3%	12.5%	18.8%	62.5%
Central America	102	57	55.9%	441	10.5%	24.6%	21.1%	43.9%
Other	69	33	47.8%	613	6.1%	12.1%	21.2%	60.6%
Unknown	518	321	62.0%	547	12.8%	15.9%	17.4%	53.9%
<b>TOTAL</b>	<b>17,629</b>	<b>10,045</b>	<b>57.0%</b>	<b>535</b>	<b>13.6%</b>	<b>15.0%</b>	<b>17.2%</b>	<b>54.2%</b>

\*\*\* Data withheld due to low population 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 December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

**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 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016**

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
SEX AT BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	11,431	5,743	50.2%	74.1%	12,920
Female	6,198	3,521	56.8%	70.9%	10,391
<b>TOTAL</b>	<b>17,629</b>	<b>9,264</b>	<b>52.5%</b>	<b>72.9%</b>	<b>11,846</b>

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
RACE/ETHNICITY	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	605	331	54.7%	77.0%	13,591
Non-Hispanic	17,024	8,933	52.5%	72.7%	11,759
American Indian/Alaska Native, only	17	***	***	***	***
Asian, only	71	39	54.9%	92.3%	69,710
Black, only	13,495	7,191	53.3%	70.7%	11,015
Native Hawaiian/Other Pacific Islander, only	3	***	***	***	***
White, only	2,649	1,218	46.0%	82.8%	16,576
Multiracial/Other	789	479	60.7%	75.2%	19,498
<b>TOTAL</b>	<b>17,629</b>	<b>9,264</b>	<b>52.5%</b>	<b>72.9%</b>	<b>11,846</b>

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
COUNTRY OF BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	16,549	8,656	52.3%	72.4%	11,756
Foreign-born	562	290	51.6%	85.5%	10,088
Africa	287	147	51.2%	85.7%	8,128
Asia	52	28	53.8%	89.3%	1,288
Caribbean	52	27	51.9%	88.9%	26,892
Central America	102	56	54.9%	80.4%	12,048
Other	69	32	46.4%	87.5%	2,385
Unknown	518	318	61.4%	73.6%	19,445
<b>TOTAL</b>	<b>17,629</b>	<b>9,264</b>	<b>52.5%</b>	<b>72.9%</b>	<b>11,846</b>

\*\*\* Data withheld due to low population 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 December 31<sup>st</sup> of the specified year.

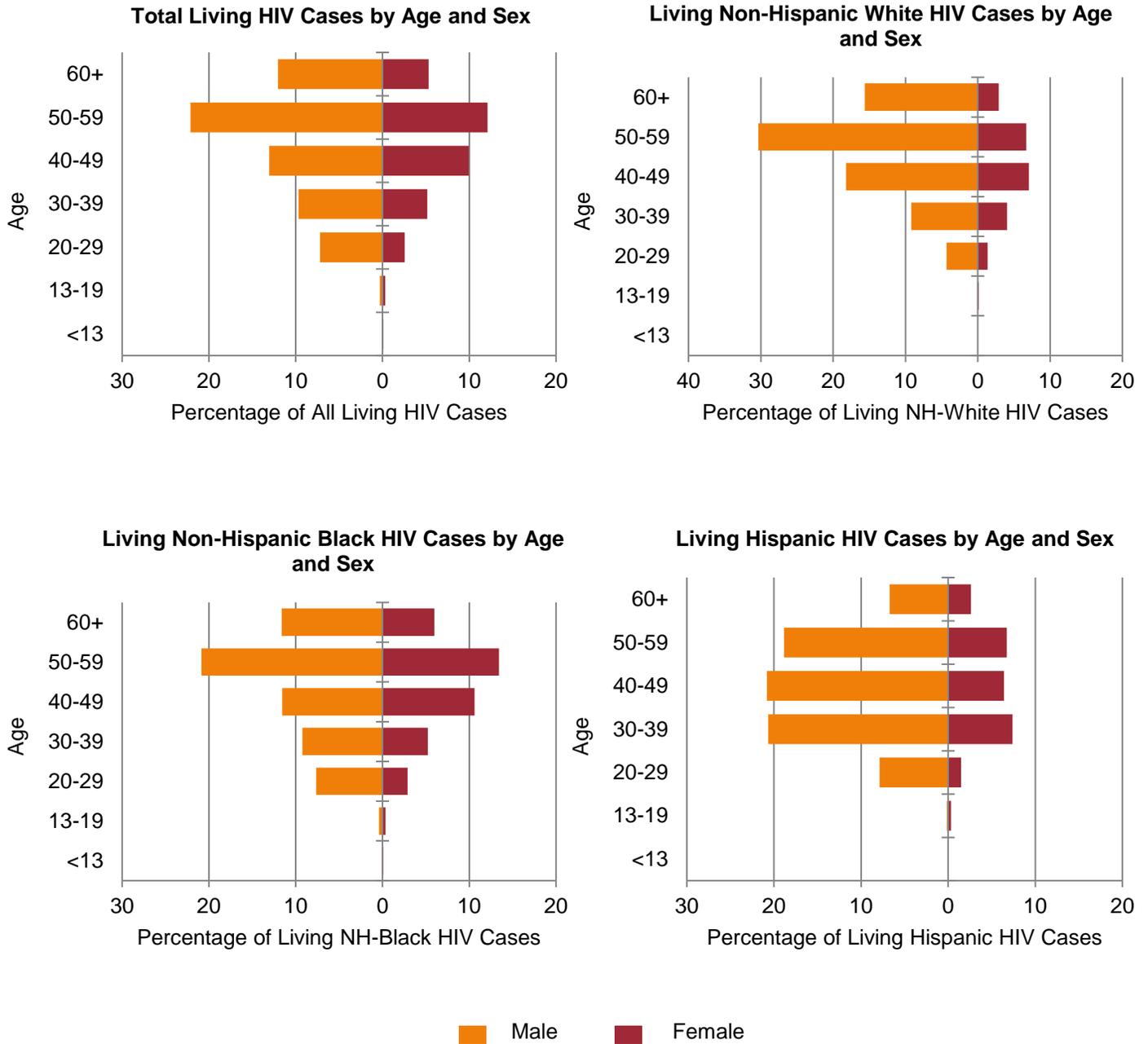
**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year, reported through 6/30/2016.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

**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 measured in the specified year, reported through 6/30/2016 of 200 copies per milliliter or greater.

# Section VI – HIV Cases by Expanded Demographics

**Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016**



**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016**

MALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	74,269	151,303	210,701	57,679	493,951
	Cases	0	12	0	0	12
	Rate	0.0	7.9	0.0	0.0	2.4
	Ratio (1 in X)	--	12,608	--	--	41,162
13-19	Population	30,511	85,713	128,408	27,718	272,351
	Cases	1	54	2	1	58
	Rate	3.3	63.0	1.6	3.6	21.3
	Ratio (1 in X)	30,511	1,587	64,204	27,718	4,695
20-29	Population	49,423	129,223	198,509	37,500	414,655
	Cases	48	1,052	115	73	1,288
	Rate	97.1	814.1	57.9	194.7	310.6
	Ratio (1 in X)	1,029	122	1,726	513	321
30-39	Population	58,378	109,946	186,794	37,378	392,496
	Cases	126	1,271	245	94	1,736
	Rate	215.8	1,156.0	131.2	251.5	442.3
	Ratio (1 in X)	463	86	762	397	226
40-49	Population	42,384	112,894	195,236	34,649	385,163
	Cases	127	1,593	486	137	2,343
	Rate	299.6	1,411.1	248.9	395.4	608.3
	Ratio (1 in X)	333	70	401	252	164
50-59	Population	25,356	115,409	250,246	28,914	419,925
	Cases	115	2,874	810	171	3,970
	Rate	453.5	2,490.3	323.7	591.4	945.4
	Ratio (1 in X)	220	40	308	169	105
60+	Population	17,697	119,175	361,785	33,887	532,544
	Cases	41	1,600	417	103	2,161
	Rate	231.7	1,342.6	115.3	304.0	405.8
	Ratio (1 in X)	431	74	867	329	246
TOTAL MALES BY RACE/ETHNICITY	Population	298,018	823,663	1,531,679	257,725	2,911,085
	Cases	458	8,456	2,075	579	11,568
	Rate	153.7	1,026.6	135.5	224.7	397.4
	Ratio (1 in X)	650	97	738	445	251

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2015.

**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 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016**

FEMALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	74,269	151,303	210,701	57,679	493,951
	Cases	0	17	0	1	18
	Rate	0.0	11.2	0.0	1.7	3.6
	Ratio (1 in X)	--	8,900	--	57,679	27,441
13-19	Population	30,511	85,713	128,408	27,718	272,351
	Cases	2	49	4	0	55
	Rate	6.6	57.2	3.1	0.0	20.2
	Ratio (1 in X)	15,255	1,749	32,102	--	4,951
20-29	Population	49,423	129,223	198,509	37,500	414,655
	Cases	9	397	36	18	460
	Rate	18.2	307.2	18.1	48.0	110.9
	Ratio (1 in X)	5,491	325	5,514	2,083	901
30-39	Population	58,378	109,946	186,794	37,378	392,496
	Cases	45	719	108	53	925
	Rate	77.1	654.0	57.8	141.8	235.7
	Ratio (1 in X)	1,297	152	1,729	705	424
40-49	Population	42,384	112,894	195,236	34,649	385,163
	Cases	39	1,463	189	95	1,786
	Rate	92.0	1,295.9	96.8	274.2	463.7
	Ratio (1 in X)	1,086	77	1,032	364	215
50-59	Population	25,356	115,409	250,246	28,914	419,925
	Cases	41	1,848	179	106	2,174
	Rate	161.7	1,601.3	71.5	366.6	517.7
	Ratio (1 in X)	618	62	1,398	272	193
60+	Population	17,697	119,175	361,785	33,887	532,544
	Cases	16	821	78	40	955
	Rate	90.4	688.9	21.6	118.0	179.3
	Ratio (1 in X)	1,106	145	4,638	847	557
TOTAL FEMALES BY RACE/ETHNICITY	Population	298,018	823,663	1,531,679	257,725	2,911,085
	Cases	152	5,314	594	313	6,373
	Rate	51.0	645.2	38.8	121.4	218.9
	Ratio (1 in X)	1,960	154	2,578	823	456

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2015.

**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.

## Section VII – HIV Exposure Category

**Table 18 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016**

EXPOSURE CATEGORY	ADULT/ADOLESCENT HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
<b>With Exposure**</b>	393	100.0%	341	86.8%	87	22.1%	332	84.5%	391
Men who have Sex with Men (MSM)	221	56.2%	194	87.8%	42	19.0%	183	82.8%	412
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	136	34.6%	120	88.2%	36	26.5%	120	88.2%	360
Other Exposure	0	0.0%	--	--	--	--	--	--	--
<b>No Reported Exposure</b>	205		162	79.0%	56	27.3%	146	71.2%	342
<b>TOTAL</b>	598		503	84.1%	143	23.9%	478	79.9%	374

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
<b>With Exposure**</b>	291	100.0%	252	86.6%	62	21.3%	243	83.5%	384
Men who have Sex with Men (MSM)	221	75.9%	194	87.8%	42	19.0%	183	82.8%	412
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	48	16.5%	42	87.5%	12	25.0%	42	87.5%	327
Other Exposure	0	0.0%	--	--	--	--	--	--	--
<b>No Reported Exposure</b>	146		115	78.8%	47	32.2%	104	71.2%	307
<b>TOTAL</b>	437		367	84.0%	109	24.9%	347	79.4%	361

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
<b>With Exposure**</b>	102	100.0%	89	87.3%	25	24.5%	89	87.3%	424
Injection Drug Users (IDU)	14	13.7%	11	78.6%	***	***	11	78.6%	484
Heterosexual Exposure (HET)	88	86.3%	78	88.6%	***	***	78	88.6%	394
Other Exposure	0	0.0%	--	--	--	--	--	--	--
<b>No Reported Exposure</b>	59		47	79.7%	9	15.3%	42	71.2%	408
<b>TOTAL</b>	161		136	84.5%	34	21.1%	131	81.4%	420

\*\*\* Data withheld due to low population and/or case counts

\*\*2015 reported HIV exposure data are preliminary.

**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.

**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.

**Number Linked to Care:** Number 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 calculated from Percent Linked to Care.

**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.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late 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 19 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016**

EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<b>With Exposure**</b>	264	100.0%	5.7	36.7%
Men who have Sex with Men (MSM)	98	37.1%	4.4	45.9%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***
Heterosexual Exposure (HET)	95	36.0%	5.2	38.9%
Other Exposures	0	0.0%	--	--
<b>No Reported Exposure*</b>	81		2.3	71.6%
<b>TOTAL</b>	345		4.9	44.9%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<b>With Exposure**</b>	178	100.0%	5.2	40.4%
Men who have Sex with Men (MSM)	98	55.1%	4.4	45.9%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***
Heterosexual Exposure (HET)	35	19.7%	3.8	42.9
Other Exposures	0	0.0%	--	--
<b>No Reported Exposure</b>	59		1.3	81.4%
<b>TOTAL</b>	237		4.3	50.6%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<b>With Exposure**</b>	86	100.0%	6.6	29.1%
Injection Drug Users (IDU)	26	30.2%	7.8	11.5%
Heterosexual Exposure (HET)	60	69.8%	6.0	36.7%
Other Exposures	0	0.0%	--	--
<b>No Reported Exposure*</b>	22		4.9	45.5%
<b>TOTAL</b>	108		6.2	32.4%

\* Includes 1 new HIV diagnosis with Presumed Female Heterosexual exposure

\*\*2015 reported HIV exposure data are preliminary.

\*\*\* Data withheld due to low population 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.

**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 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016**

EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	6,183	100.0%	8,758	100.0%	14,941	100.0%
Men who have Sex with Men (MSM)	2,521	40.8%	2,451	28.0%	4,972	33.3%
Injection Drug Users (IDU)	1,393	22.5%	3,050	34.8%	4,443	29.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	191	3.1%	440	5.0%	631	4.2%
Heterosexual Exposure (HET)	2,062	33.3%	2,779	31.7%	4,841	32.4%
Other Exposures	16	0.3%	38	0.4%	54	0.4%
<b>No Reported Exposure*</b>	1,842		846		2,688	
<b>TOTAL</b>	8,025		9,604		17,629	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	4,194	100.0%	5,618	100.0%	9,812	100.0%
Men who have Sex with Men (MSM)	2,521	60.1%	2,451	43.6%	4,972	50.7%
Injection Drug Users (IDU)	823	19.6%	1,781	31.7%	2,604	26.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	191	4.6%	440	7.8%	631	6.4%
Heterosexual Exposure (HET)	651	15.5%	924	16.4%	1,575	16.1%
Other Exposures	8	0.2%	22	0.4%	30	0.3%
<b>No Reported Exposure</b>	1,106		513		1,619	
<b>TOTAL</b>	5,300		6,131		11,431	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	1,989	100.0%	3,140	100.0%	5,129	100.0%
Injection Drug Users (IDU)	570	28.7%	1,269	40.4%	1,839	35.9%
Heterosexual Exposure (HET)	1,411	70.9%	1,855	59.1%	3,266	63.7%
Other Exposures	8	0.4%	16	0.5%	24	0.5%
<b>No Reported Exposure*</b>	736		333		1,069	
<b>TOTAL</b>	2,725		3,473		6,198	

\* Includes 58 HIV cases without AIDS and 28 HIV cases with AIDS with Presumed Female Heterosexual exposure

**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 December 31<sup>st</sup> of the specified year.

**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 December 31<sup>st</sup> of 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 December 31<sup>st</sup> of the specified year.

**Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	526	100.0%	11,345	100.0%	2,276	100.0%
Men who have Sex with Men (MSM)	232	44.1%	3,132	27.6%	1,303	57.2%
Injection Drug Users (IDU)	76	14.4%	3,711	32.7%	443	19.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	16	3.0%	488	4.3%	91	4.0%
Heterosexual Exposure (HET)	201	38.2%	3,982	35.1%	421	18.5%
Other Exposures	1	0.2%	32	0.3%	18	0.8%
<b>No Reported Exposure*</b>	79		2,150		373	
<b>TOTAL</b>	605		13,495		2,649	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	395	100.0%	7,119	100.0%	1,780	100.0%
Men who have Sex with Men (MSM)	232	58.7%	3,132	44.0%	1,303	73.2%
Injection Drug Users (IDU)	51	12.9%	2,242	31.5%	214	12.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	16	4.1%	488	6.9%	91	5.1%
Heterosexual Exposure (HET)	96	24.3%	1,243	17.5%	158	8.9%
Other Exposures	0	0.0%	14	0.2%	14	0.8%
<b>No Reported Exposure</b>	62		1,220		283	
<b>TOTAL</b>	457		8,339		2,063	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	131	100.0%	4,226	100.0%	496	100.0%
Injection Drug Users (IDU)	25	19.1%	1,469	34.8%	229	46.2%
Heterosexual Exposure (HET)	105	80.2%	2,739	64.8%	263	53.0%
Other Exposures	1	0.8%	18	0.4%	4	0.8%
<b>No Reported Exposure*</b>	17		930		90	
<b>TOTAL</b>	148		5,156		586	

\* Includes 11 Hispanic cases, 174 non-Hispanic black cases, and 12 non-Hispanic white cases with Presumed Female Heterosexual exposure

**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 December 31<sup>st</sup> of the specified year.

**Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016**

ADULT/ADOLESCENT TOTAL LIVING HIV CASES								
EXPOSURE CATEGORY	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
<b>With Exposure</b>	14,941	8,940	59.8%	536	13.5%	15.0%	17.1%	54.4%
Men who have Sex with Men (MSM)	4,972	2,770	55.7%	563	10.4%	13.6%	17.9%	58.2%
Injection Drug Users (IDU)	4,443	2,693	60.6%	482	17.0%	17.6%	17.2%	48.1%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	631	378	59.9%	501	16.4%	17.2%	16.1%	50.3%
Heterosexual Exposure (HET)	4,841	3,062	63.3%	560	12.8%	13.8%	16.3%	57.1%
Other Exposures	54	37	68.5%	445	21.6%	10.8%	32.4%	35.1%
<b>No Reported Exposure*</b>	2,688	1,105	41.1%	525	14.4%	14.7%	17.6%	53.3%
<b>TOTAL</b>	17,629	10,045	57.0%	535	13.6%	15.0%	17.2%	54.2%

\* Includes 86 cases with Presumed Female Heterosexual exposure

**Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016**

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
EXPOSURE CATEGORY	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
<b>With Exposure</b>	14,941	8,175	54.7%	73.2%	11,482
Men who have Sex with Men (MSM)	4,972	2,705	54.4%	76.1%	14,461
Injection Drug Users (IDU)	4,443	2,297	51.7%	69.3%	12,023
Men who have Sex with Men and Inject Drugs (MSM/IDU)	631	334	52.9%	74.6%	7,790
Heterosexual Exposure (HET)	4,841	2,807	58.0%	73.6%	8,841
Other Exposures	54	32	59.3%	65.6%	28,184
<b>No Reported Exposure*</b>	2,688	1,089	40.5%	70.2%	14,547
<b>TOTAL</b>	17,629	9,264	52.5%	72.9%	11,846

\* Includes 86 cases with Presumed Female Heterosexual exposure

**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 December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

**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).

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year, reported through 6/30/2016.

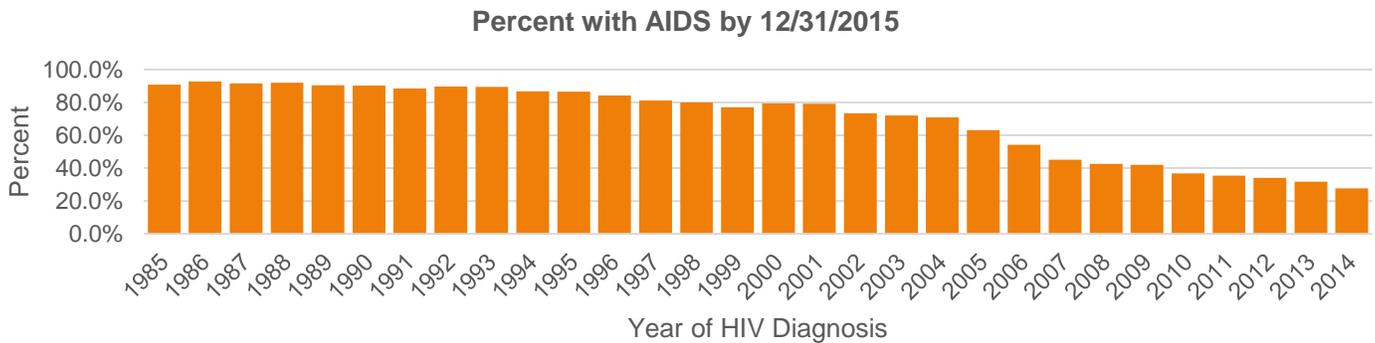
**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter reported through 6/30/2016.

**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 measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

## Section VIII – Disease Progression and Mortality

**Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2014, Reported through 6/30/2016**

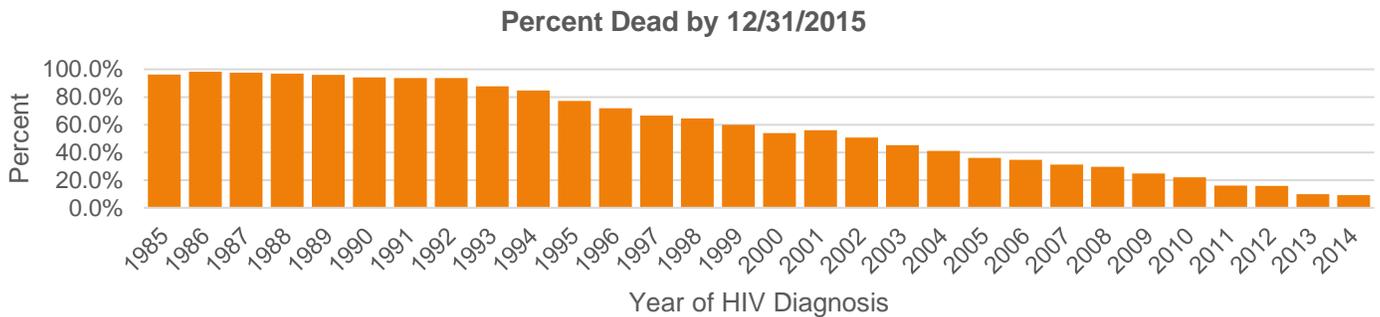
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 06/30/2014 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2015 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2015, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016



ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
YEAR OF HIV DIAGNOSIS	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	221	212	95.9%	7.0	33.9%	33.9%	37.6%	67.9%
1985	434	394	90.8%	6.5	26.0%	27.4%	35.3%	75.1%
1986	576	534	92.7%	5.5	33.5%	34.2%	46.0%	79.2%
1987	764	699	91.5%	4.7	33.4%	36.6%	54.1%	82.2%
1988	1,122	1,031	91.9%	3.8	38.3%	42.2%	63.9%	85.6%
1989	1,435	1,298	90.5%	3.6	37.9%	43.4%	67.2%	83.1%
1990	1,498	1,353	90.3%	3.0	44.1%	50.8%	73.2%	84.8%
1991	1,708	1,510	88.4%	2.7	46.0%	55.4%	73.1%	82.9%
1992	1,667	1,496	89.7%	2.5	50.7%	59.0%	75.4%	84.1%
1993	1,532	1,369	89.4%	2.2	53.9%	61.9%	76.4%	85.2%
1994	1,383	1,199	86.7%	2.3	52.9%	60.7%	73.6%	81.8%
1995	1,360	1,176	86.5%	2.2	56.8%	62.3%	72.3%	82.0%
1996	1,254	1,057	84.3%	1.9	59.3%	64.2%	71.5%	80.3%
1997	1,280	1,038	81.1%	2.0	55.5%	60.2%	68.8%	77.0%
1998	1,268	1,015	80.0%	2.0	55.4%	59.0%	67.5%	75.8%
1999	1,171	903	77.1%	1.6	56.1%	60.1%	68.1%	74.5%
2000	1,088	864	79.4%	1.7	56.3%	60.7%	69.9%	76.7%
2001	1,197	948	79.2%	1.5	59.1%	63.0%	71.4%	76.5%
2002	1,430	1,050	73.4%	1.6	54.0%	57.3%	64.2%	70.8%
2003	1,221	880	72.1%	1.4	54.6%	58.1%	63.8%	70.2%
2004	1,237	877	70.9%	1.4	52.7%	56.5%	62.9%	69.2%
2005	1,289	813	63.1%	1.3	47.2%	49.7%	56.2%	62.9%
2006	1,340	728	54.3%	1.5	38.5%	40.7%	47.9%	--
2007	1,229	555	45.2%	1.8	28.3%	31.3%	39.1%	--
2008	1,170	498	42.6%	1.5	27.9%	31.3%	38.8%	--
2009	931	391	42.0%	1.4	27.7%	30.6%	38.7%	--
2010	944	347	36.8%	1.1	25.7%	28.7%	35.4%	--
2011	726	258	35.5%	0.7	27.4%	31.4%	--	--
2012	696	237	34.1%	0.6	28.2%	30.5%	--	--
2013	625	198	31.7%	0.3	29.3%	30.7%	--	--
2014	604	167	27.6%	0.3	25.2%	--	--	--
<b>TOTAL</b>	<b>34,400</b>	<b>25,095</b>	<b>73.0%</b>	<b>2.4</b>	<b>45.0%</b>	<b>49.6%</b>	<b>60.3%</b>	<b>69.3%</b>

## Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2014, Reported through 6/30/2016

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/14 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2015 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2015, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016



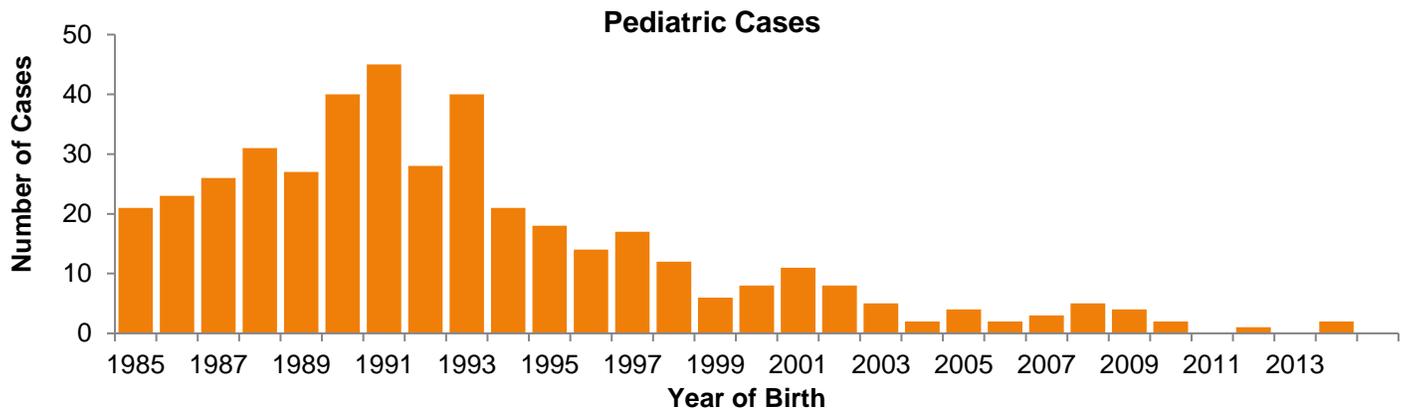
YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	77	73	94.8%	2.5	51.9%	32.5%	15.6%	13.0%
1985	105	101	96.2%	1.7	42.9%	21.9%	8.6%	6.7%
1986	174	171	98.3%	2.6	54.0%	35.6%	14.9%	8.6%
1987	264	258	97.7%	2.1	61.4%	33.3%	11.4%	5.3%
1988	437	423	96.8%	2.4	59.3%	39.1%	14.0%	6.6%
1989	558	535	95.9%	2.5	60.8%	39.4%	15.6%	8.1%
1990	784	738	94.1%	2.8	65.6%	46.3%	20.2%	11.7%
1991	975	913	93.6%	2.8	67.5%	45.9%	17.8%	12.0%
1992	1,346	1,261	93.7%	3.1	70.1%	48.6%	20.0%	13.8%
1993	1,550	1,359	87.7%	3.6	77.5%	55.2%	32.3%	20.8%
1994	1,382	1,170	84.7%	3.9	77.1%	58.3%	38.1%	24.1%
1995	1,400	1,081	77.2%	4.6	78.1%	66.0%	48.8%	34.9%
1996	1,304	938	71.9%	5.1	81.8%	74.6%	57.3%	41.4%
1997	1,130	753	66.6%	5.0	85.0%	77.0%	60.5%	44.4%
1998	1,032	666	64.5%	5.3	87.0%	80.0%	63.9%	47.0%
1999	1,010	605	59.9%	4.8	87.1%	80.0%	64.5%	48.9%
2000	883	476	53.9%	4.4	85.6%	80.2%	65.2%	52.9%
2001	1,015	568	56.0%	4.1	85.5%	76.7%	62.4%	50.2%
2002	1,070	543	50.7%	4.6	87.9%	81.9%	69.8%	56.7%
2003	944	427	45.2%	3.3	83.6%	78.2%	66.8%	57.6%
2004	965	397	41.1%	3.6	87.0%	82.5%	71.6%	61.2%
2005	906	326	36.0%	3.2	88.4%	83.7%	74.1%	64.7%
2006	815	282	34.6%	3.1	88.2%	83.4%	74.1%	65.4%
2007	602	188	31.2%	2.7	88.4%	84.9%	76.1%	68.8%
2008	594	175	29.5%	2.3	88.2%	83.8%	75.1%	70.5%
2009	519	128	24.7%	2.2	90.4%	86.7%	78.0%	75.3%
2010	563	124	22.0%	1.8	89.9%	86.5%	79.9%	78.0%
2011	467	75	16.1%	1.8	93.8%	90.8%	84.2%	83.9%
2012	498	78	15.7%	1.2	90.8%	88.6%	84.3%	84.3%
2013	458	45	9.8%	0.9	94.3%	90.8%	90.2%	90.2%
2014*	328	30	9.1%	0.5	92.4%	90.9%	90.9%	90.9%
<b>TOTAL</b>	<b>24,155</b>	<b>14,907</b>	<b>61.7%</b>	<b>3.7</b>	<b>81.1%</b>	<b>70.3%</b>	<b>54.3%</b>	<b>44.3%</b>

\*2014 reported AIDS deaths are preliminary.

## Section IX – Pediatric Cases

**Figure 12 – Trends in Pediatric HIV Cases, 1985-2015, Reported through 6/30/2016**

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2015, as Reported by Name through 6/30/2016



YEAR	PEDIATRIC REPORTED HIV DIAGNOSES				PEDIATRIC TOTAL LIVING HIV CASES
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	26	2	1	0	
1985	21	8	5	1	10
1986	23	7	6	4	13
1987	26	16	10	5	24
1988	31	22	14	4	43
1989	27	28	19	5	66
1990	40	37	16	5	99
1991	45	37	26	8	127
1992	28	45	28	9	163
1993	40	45	25	12	196
1994	21	30	20	12	213
1995	18	19	14	12	220
1996	14	21	12	14	228
1997	17	10	7	6	232
1998	12	16	9	3	245
1999	6	15	8	5	254
2000	8	7	2	0	261
2001	11	9	8	3	266
2002	8	9	6	4	271
2003	5	2	1	2	271
2004	2	5	2	3	273
2005	4	1	1	0	274
2006	2	5	3	2	278
2007	3	33	5	4	307
2008	5	8	7	3	312
2009	4	6	3	2	316
2010	2	2	7	4	314
2011	0	2	4	4	313
2012	1	2	3	3	312
2013	0	1	10	1	313
2014	2	2	4	0	315
2015	0	0	3	3	312
<b>TOTAL</b>	<b>452</b>	<b>452</b>	<b>289</b>	<b>143</b>	

**Table 24 – Pediatric HIV Total Living HIV Cases, Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Anne Arundel	22	7.1%
Baltimore City	217	69.6%
Baltimore	49	15.7%
Carroll	3	1.0%
Harford	14	4.5%
Howard	7	2.2%
Queen Anne's	0	0.0%
<b>TOTAL</b>	<b>312</b>	<b>100.0%</b>

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016**

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
<b>Male</b>	175	56.1%
<b>Female</b>	137	43.9%
<b>TOTAL</b>	312	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
<b>Hispanic</b>	5	1.6%
<b>Non-Hispanic</b>	307	98.4%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	1	0.3%
Black, only	275	88.1%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	20	6.4%
Multiracial/Other	11	3.5%
<b>TOTAL</b>	312	100.0%

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

# 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 December 31<sup>st</sup> of the specified year.

**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 December 31<sup>st</sup> of the specified year.

**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 December 31<sup>st</sup> of the specified year.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of living cases on the specified date.

**AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

**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).

**Current Residence:** Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Jurisdiction of Residence:** Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

**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.

**Living HIV Cases with AIDS:** Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Living HIV Cases without AIDS:** Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**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 measured in the specified year, reported through 6/30/2016.

**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 measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

**Number Linked to Care:** Number 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 calculated from Percent Linked to Care.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of 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.

**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 measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

**Percent with AIDS:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2015.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Population:** Population estimate for 7/1/2015.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2015.

**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.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year, reported through 6/30/2016.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result measured in the specified year, reported through 6/30/2016.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.