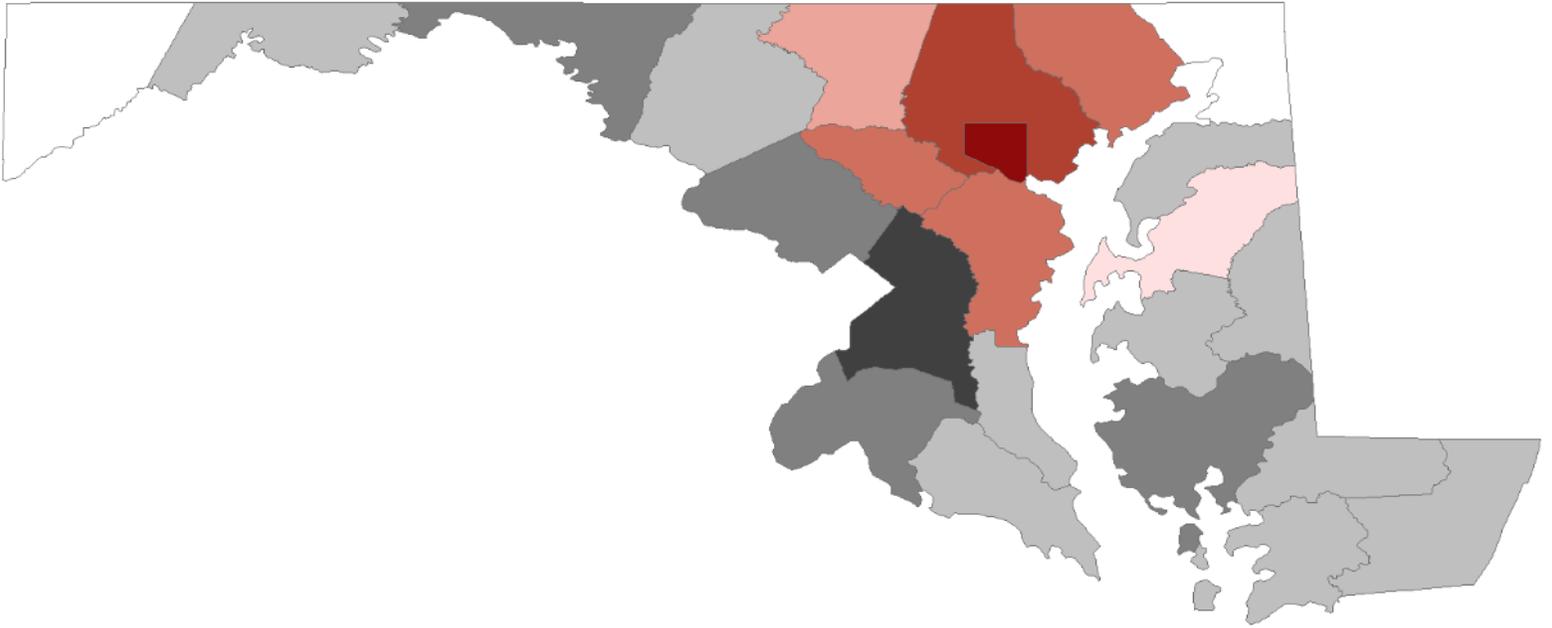


2014



Baltimore Metro HIV Annual Epidemiological Profile

Data reported through December 31, 2015

Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Epidemiology and Outbreak Response Bureau
Prevention and Health Promotion Administration
Maryland Department of Health and Mental Hygiene
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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory 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. Nationally, it has been estimated that 12.8% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 18.7% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. 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.

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 (the end of the year) are used to generate the number of diagnoses during the prior years. This one-year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 2014 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 01/01/2014-12/31/2014, as reported by name through 12/31/2015.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 12/31/2015 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 12/31/2015.

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), December 31, 2015.

Population data by sex, age, and race/ethnicity are from the July 1, 2014 U.S. Census Estimates and by country-of-birth from the 2013 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.

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.

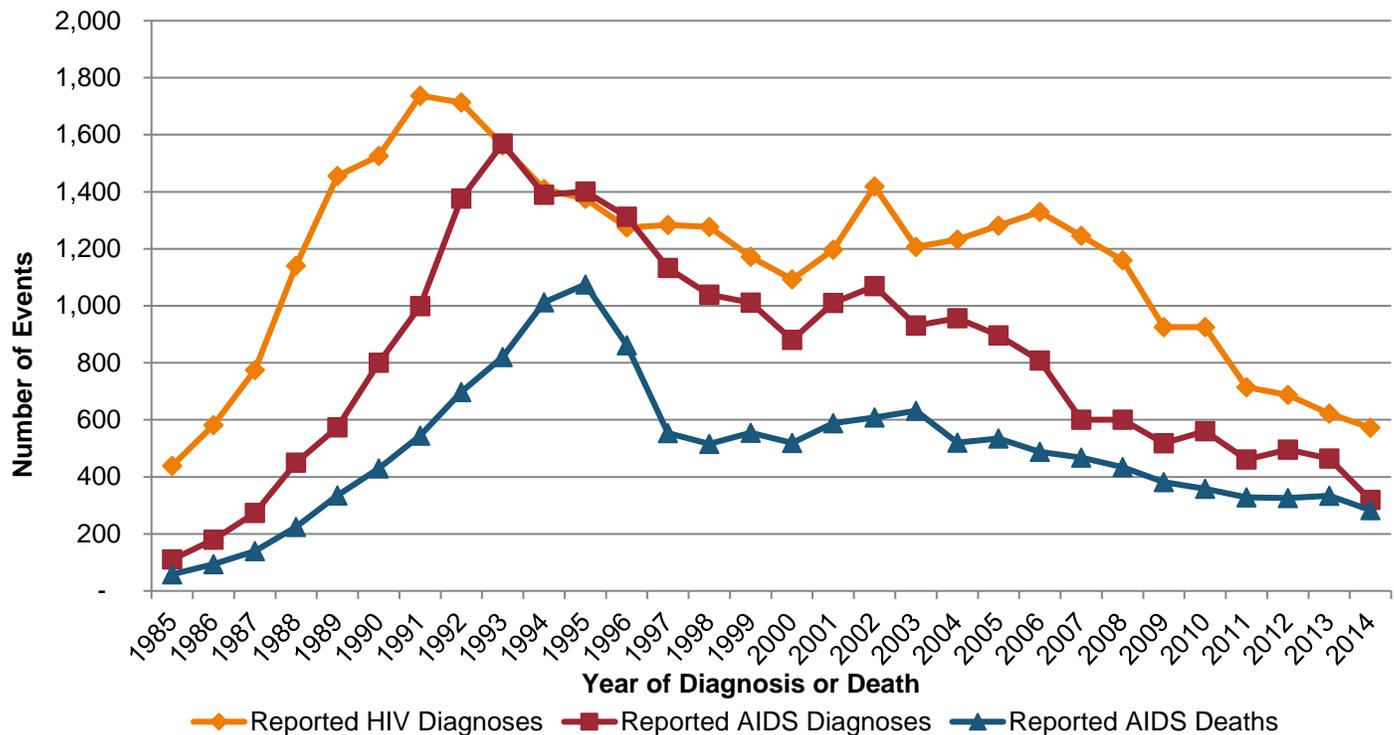
Heterosexual Exposure (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or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

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

Section II – Trends 1985-2014

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2014, Reported through 12/31/2015

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 2014 as Reported through 12/31/2015

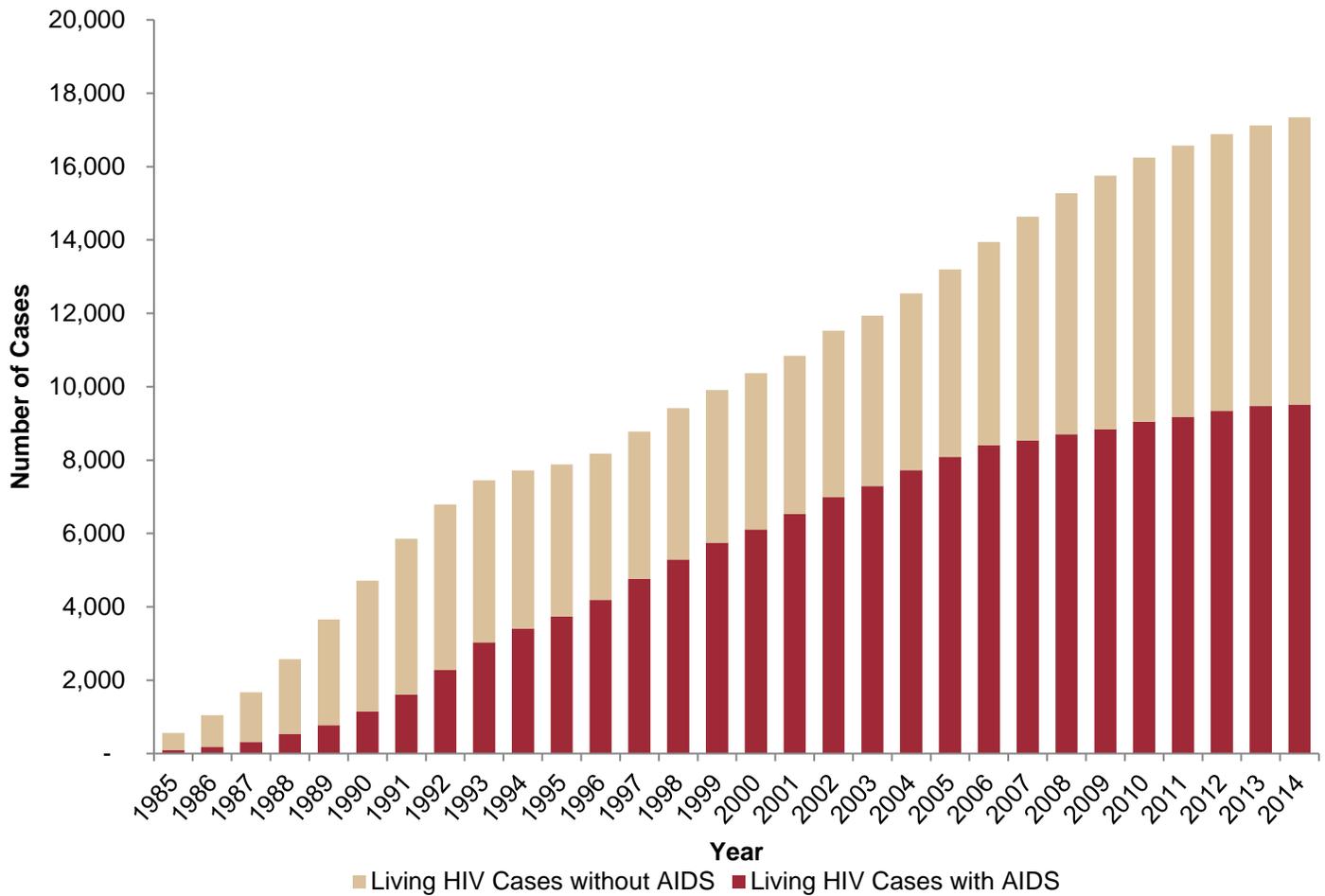


During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

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	222	78	36	2000	1,093	881	519
1985	439	110	58	2001	1,196	1,010	588
1986	582	180	94	2002	1,418	1,069	608
1987	775	273	140	2003	1,207	931	632
1988	1,141	450	224	2004	1,232	957	520
1989	1,455	574	335	2005	1,281	896	535
1990	1,526	800	430	2006	1,329	808	488
1991	1,737	999	545	2007	1,246	600	468
1992	1,713	1,376	698	2008	1,160	600	434
1993	1,563	1,569	820	2009	925	518	382
1994	1,410	1,390	1,012	2010	925	560	358
1995	1,375	1,401	1,075	2011	714	461	328
1996	1,274	1,313	862	2012	688	496	326
1997	1,283	1,133	554	2013	622	464	334
1998	1,277	1,039	516	2014	572	319	283
1999	1,172	1,011	555	TOTAL	34,552	24,266	14,757

Figure 2 – Trends in Living HIV Cases, 1985-2014, Reported through 12/31/2015

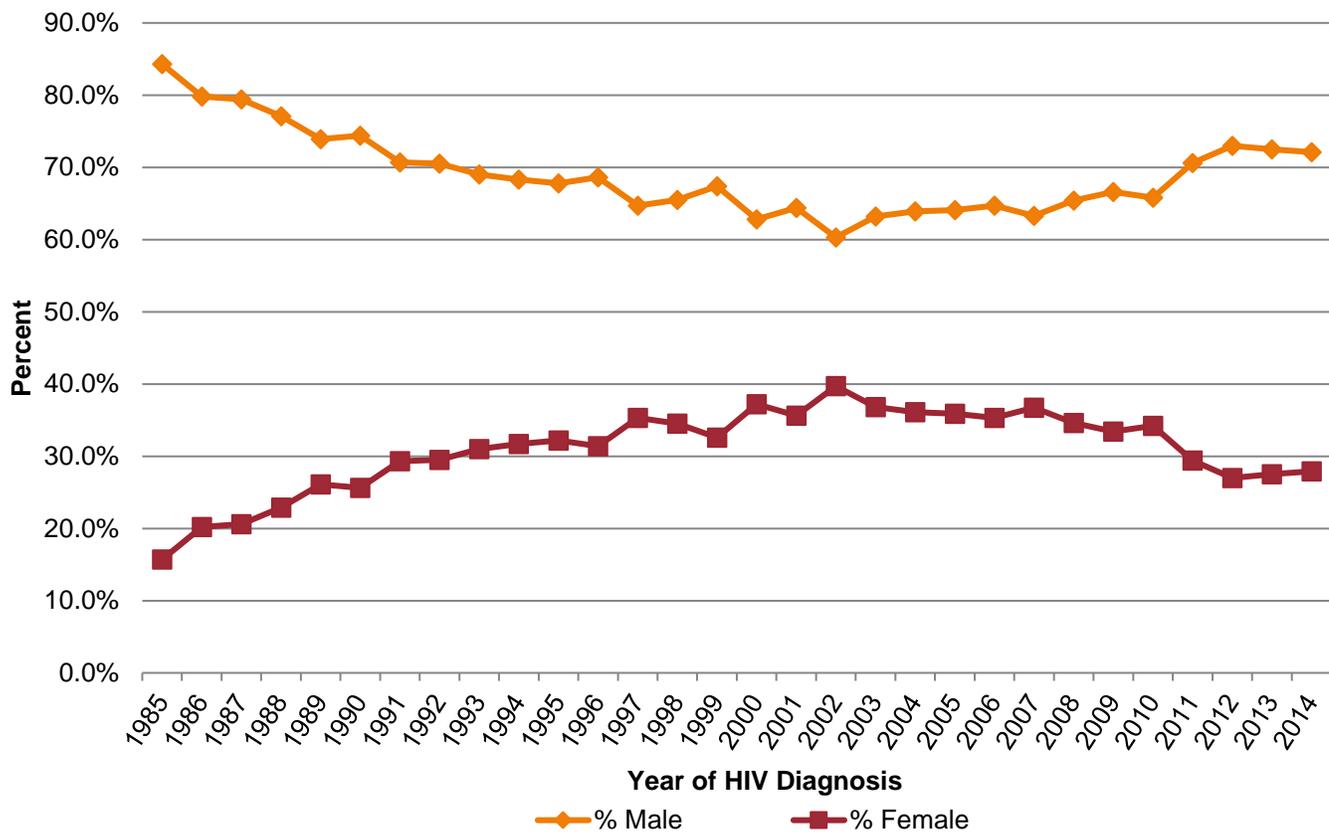
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2014, as Reported through 12/31/2015



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	471	94	565	2000	4,261	6,106	10,367
1986	865	180	1,045	2001	4,312	6,528	10,840
1987	1,359	314	1,673	2002	4,532	6,989	11,521
1988	2,036	540	2,576	2003	4,647	7,288	11,935
1989	2,873	779	3,652	2004	4,817	7,725	12,542
1990	3,566	1,149	4,715	2005	5,110	8,086	13,196
1991	4,251	1,603	5,854	2006	5,539	8,407	13,946
1992	4,509	2,281	6,790	2007	6,097	8,539	14,636
1993	4,415	3,030	7,445	2008	6,574	8,705	15,279
1994	4,307	3,409	7,716	2009	6,908	8,841	15,749
1995	4,148	3,735	7,883	2010	7,199	9,043	16,242
1996	3,987	4,186	8,173	2011	7,397	9,176	16,573
1997	4,011	4,765	8,776	2012	7,534	9,346	16,880
1998	4,130	5,288	9,418	2013	7,642	9,476	17,118
1999	4,168	5,744	9,912	2014	7,833	9,512	17,345

Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2014, Reported through 12/31/2015

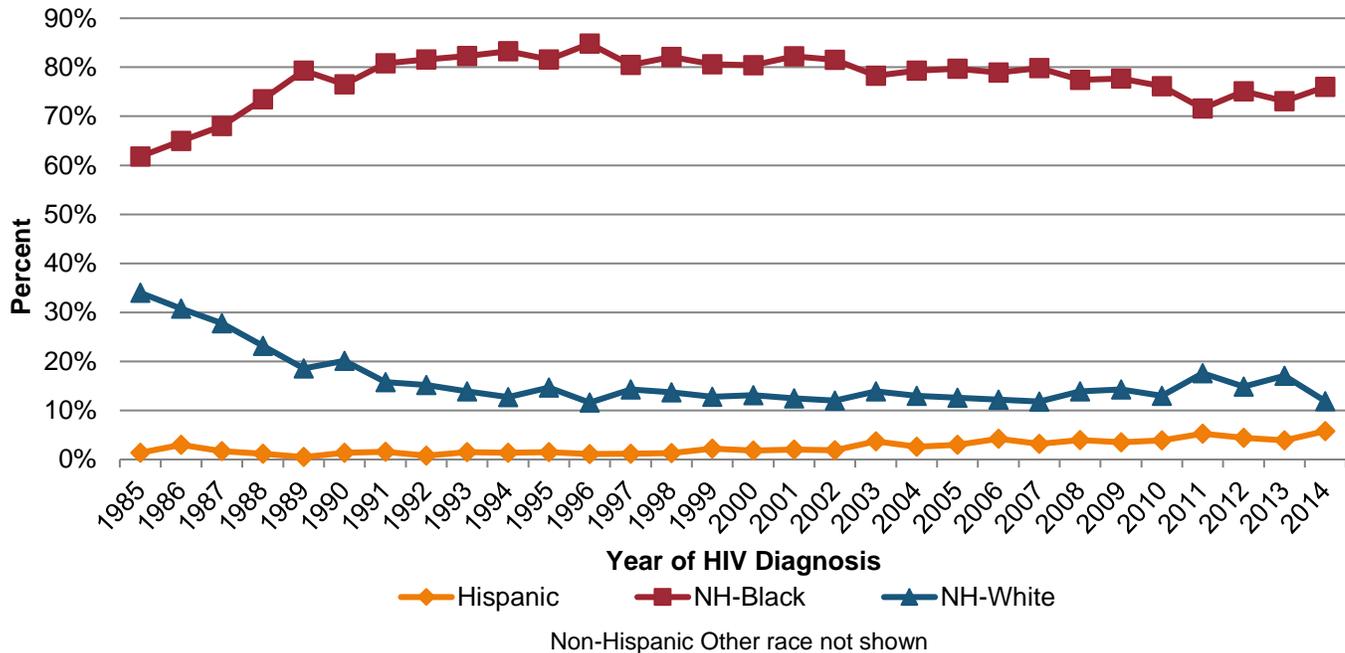
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



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	220	85.9%	14.1%	2000	1,085	62.8%	37.2%
1985	432	84.3%	15.7%	2001	1,187	64.4%	35.6%
1986	575	79.8%	20.2%	2002	1,410	60.3%	39.7%
1987	759	79.4%	20.6%	2003	1,205	63.2%	36.8%
1988	1,119	77.1%	22.9%	2004	1,227	63.9%	36.1%
1989	1,427	73.9%	26.1%	2005	1,280	64.1%	35.9%
1990	1,489	74.4%	25.6%	2006	1,324	64.7%	35.3%
1991	1,700	70.7%	29.3%	2007	1,215	63.3%	36.7%
1992	1,667	70.5%	29.5%	2008	1,152	65.4%	34.6%
1993	1,517	69.0%	31.0%	2009	919	66.6%	33.4%
1994	1,380	68.3%	31.7%	2010	922	65.8%	34.2%
1995	1,356	67.8%	32.2%	2011	712	70.6%	29.4%
1996	1,254	68.6%	31.4%	2012	686	73.0%	27.0%
1997	1,273	64.7%	35.3%	2013	621	72.5%	27.5%
1998	1,262	65.5%	34.5%	2014	570	72.1%	27.9%
1999	1,157	67.4%	32.6%	TOTAL	34,102	68.4%	31.6%

Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2014, Reported through 12/31/2015

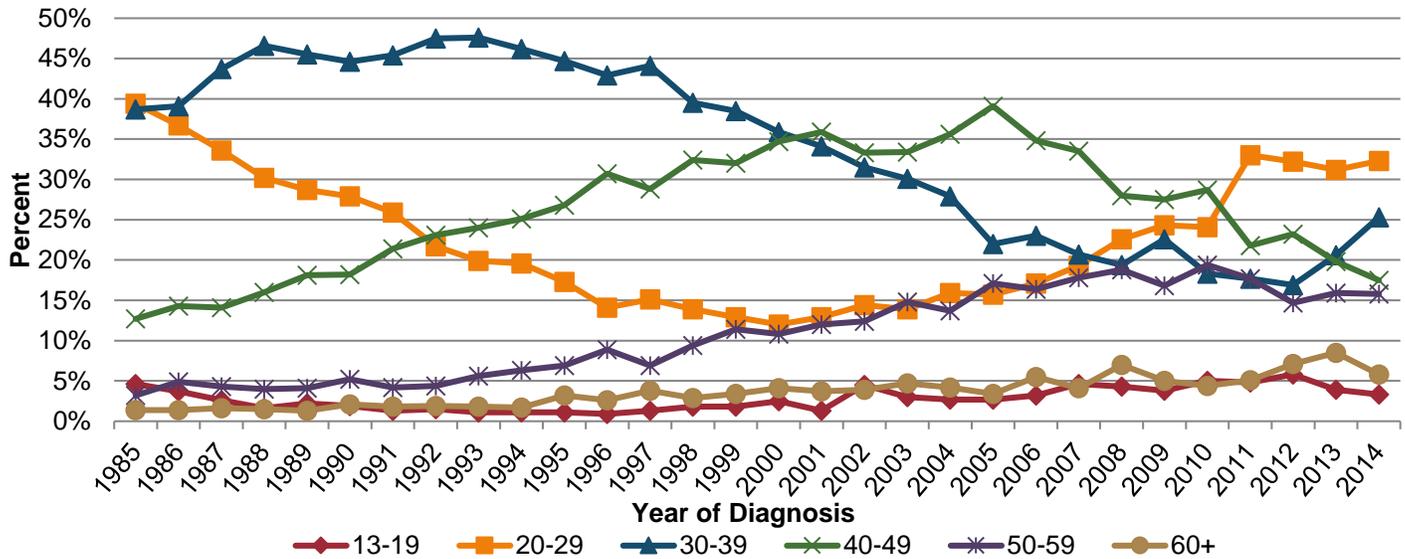
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	220	2.7%	53.6%	41.4%	2.3%
1985	432	1.4%	61.8%	34.0%	2.8%
1986	575	3.0%	65.0%	30.8%	1.2%
1987	759	1.7%	68.0%	27.8%	2.5%
1988	1,119	1.2%	73.5%	23.2%	2.1%
1989	1,427	0.5%	79.3%	18.6%	1.7%
1990	1,489	1.4%	76.5%	20.1%	2.0%
1991	1,700	1.6%	80.8%	15.8%	1.9%
1992	1,667	0.8%	81.6%	15.2%	2.4%
1993	1,517	1.5%	82.3%	13.9%	2.4%
1994	1,380	1.4%	83.3%	12.7%	2.6%
1995	1,356	1.5%	81.6%	14.7%	2.2%
1996	1,254	1.1%	84.8%	11.6%	2.6%
1997	1,273	1.2%	80.5%	14.3%	4.0%
1998	1,262	1.3%	82.1%	13.7%	2.9%
1999	1,157	2.2%	80.6%	12.8%	4.4%
2000	1,085	1.8%	80.4%	13.1%	4.7%
2001	1,187	2.0%	82.2%	12.5%	3.3%
2002	1,410	1.9%	81.5%	12.0%	4.6%
2003	1,205	3.7%	78.3%	13.9%	4.1%
2004	1,227	2.6%	79.3%	13.0%	5.1%
2005	1,280	3.0%	79.7%	12.6%	4.8%
2006	1,324	4.2%	78.9%	12.2%	4.6%
2007	1,215	3.2%	79.8%	11.8%	5.3%
2008	1,152	4.0%	77.4%	13.9%	4.7%
2009	919	3.5%	77.7%	14.3%	4.6%
2010	922	3.9%	76.1%	13.0%	6.9%
2011	712	5.3%	71.6%	17.6%	5.5%
2012	686	4.4%	75.1%	14.9%	5.7%
2013	621	3.9%	73.1%	17.1%	6.0%
2014	570	5.8%	76.0%	11.9%	6.3%
TOTAL	34,102	2.3%	78.7%	15.5%	3.6%

Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2014, Reported through 12/31/2015

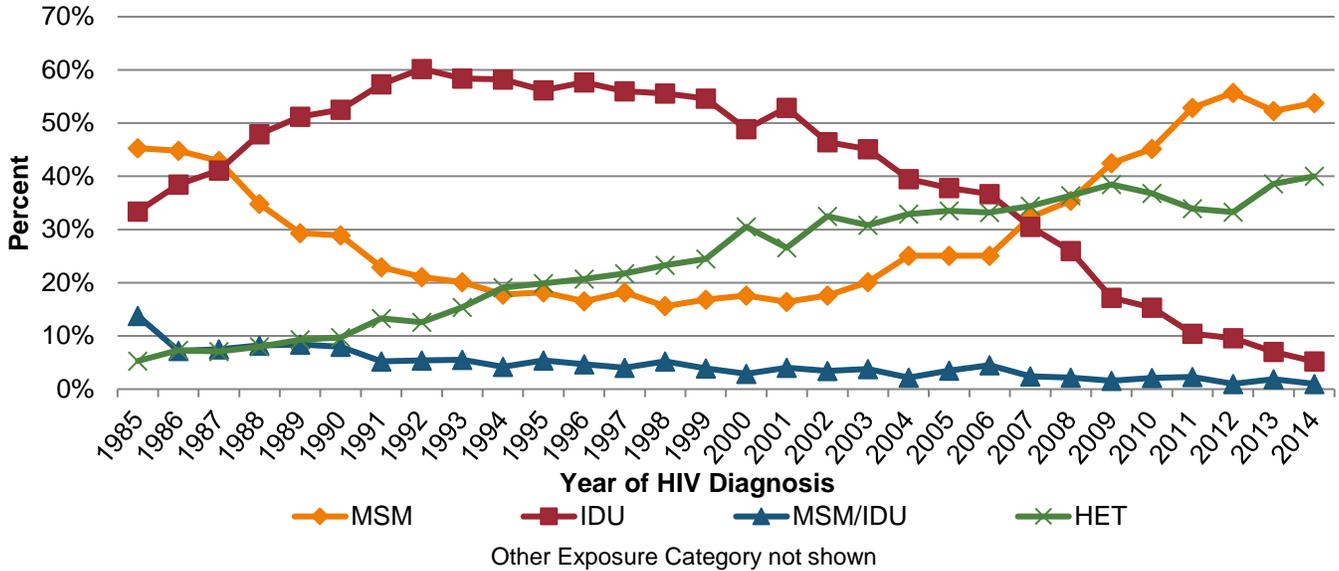
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



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	220	5.9%	43.2%	31.4%	13.2%	5.9%	0.5%
1985	432	4.6%	39.4%	38.7%	12.7%	3.2%	1.4%
1986	575	3.7%	36.7%	39.1%	14.3%	4.9%	1.4%
1987	759	2.6%	33.6%	43.7%	14.1%	4.3%	1.6%
1988	1,119	1.6%	30.2%	46.6%	16.0%	4.0%	1.5%
1989	1,427	2.2%	28.7%	45.5%	18.1%	4.1%	1.3%
1990	1,489	1.9%	27.9%	44.6%	18.2%	5.2%	2.1%
1991	1,700	1.3%	25.9%	45.4%	21.4%	4.2%	1.8%
1992	1,667	1.5%	21.7%	47.5%	23.1%	4.4%	1.9%
1993	1,517	1.1%	19.9%	47.6%	24.0%	5.6%	1.8%
1994	1,380	1.1%	19.6%	46.2%	25.1%	6.3%	1.7%
1995	1,356	1.1%	17.3%	44.7%	26.8%	6.9%	3.2%
1996	1,254	0.9%	14.1%	42.9%	30.7%	8.9%	2.6%
1997	1,273	1.3%	15.1%	44.1%	28.8%	6.9%	3.8%
1998	1,262	1.8%	13.9%	39.5%	32.4%	9.4%	2.9%
1999	1,157	1.8%	12.9%	38.5%	32.0%	11.4%	3.4%
2000	1,085	2.5%	12.0%	35.9%	34.7%	10.8%	4.1%
2001	1,187	1.3%	12.9%	34.1%	35.9%	12.0%	3.7%
2002	1,410	4.5%	14.4%	31.5%	33.3%	12.4%	3.9%
2003	1,205	3.0%	13.9%	30.1%	33.4%	14.8%	4.7%
2004	1,227	2.7%	15.9%	27.9%	35.6%	13.7%	4.2%
2005	1,280	2.7%	15.7%	22.0%	39.1%	17.1%	3.4%
2006	1,324	3.2%	17.1%	23.0%	34.8%	16.4%	5.5%
2007	1,215	4.6%	19.3%	20.7%	33.5%	17.8%	4.1%
2008	1,152	4.3%	22.6%	19.4%	28.0%	18.8%	7.0%
2009	919	3.8%	24.3%	22.6%	27.5%	16.8%	5.0%
2010	922	5.0%	24.1%	18.3%	28.7%	19.4%	4.4%
2011	712	4.8%	33.0%	17.7%	21.8%	17.7%	5.1%
2012	686	5.8%	32.2%	16.9%	23.2%	14.7%	7.1%
2013	621	3.9%	31.2%	20.6%	19.8%	15.9%	8.5%
2014	570	3.3%	32.3%	25.3%	17.5%	15.8%	5.8%
TOTAL	34,102	2.6%	21.3%	35.5%	27.0%	10.3%	3.4%

Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2014, Reported through 12/31/2015

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 2014, as Reported through 12/31/2015



YEAR	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	No.	% MSM	% IDU	% MSM/IDU	% HET	% Other Exposure
<1985	220	215	56.3%	27.9%	7.9%	3.7%	4.2%
1985	432	413	45.3%	33.4%	13.8%	5.3%	2.2%
1986	575	558	44.8%	38.5%	7.2%	7.3%	2.2%
1987	759	735	42.9%	41.1%	7.5%	7.1%	1.5%
1988	1,119	1,081	34.8%	47.9%	8.2%	8.0%	1.1%
1989	1,427	1,386	29.3%	51.2%	8.4%	9.3%	1.8%
1990	1,489	1,430	28.9%	52.5%	8.0%	9.7%	0.9%
1991	1,700	1,622	22.9%	57.3%	5.2%	13.3%	1.2%
1992	1,667	1,582	21.1%	60.2%	5.4%	12.6%	0.8%
1993	1,517	1,467	20.1%	58.4%	5.5%	15.4%	0.7%
1994	1,380	1,317	17.8%	58.2%	4.2%	19.1%	0.7%
1995	1,356	1,292	18.2%	56.2%	5.4%	19.9%	0.3%
1996	1,254	1,191	16.5%	57.7%	4.7%	20.7%	0.4%
1997	1,273	1,179	18.2%	56.0%	4.0%	21.7%	0.2%
1998	1,262	1,173	15.6%	55.6%	5.2%	23.3%	0.3%
1999	1,157	1,054	16.8%	54.6%	3.9%	24.5%	0.2%
2000	1,085	979	17.6%	48.9%	2.9%	30.5%	0.1%
2001	1,187	1,063	16.4%	52.9%	4.0%	26.6%	0.1%
2002	1,410	1,208	17.6%	46.4%	3.4%	32.5%	0.1%
2003	1,205	1,061	20.1%	45.1%	3.8%	30.8%	0.3%
2004	1,227	1,064	25.1%	39.5%	2.2%	32.9%	0.4%
2005	1,280	1,030	25.1%	37.8%	3.5%	33.5%	0.1%
2006	1,324	984	25.1%	36.7%	4.5%	33.2%	0.5%
2007	1,215	868	32.3%	30.5%	2.4%	34.4%	0.3%
2008	1,152	766	35.4%	26.0%	2.2%	36.4%	0.0%
2009	919	553	42.5%	17.2%	1.6%	38.5%	0.2%
2010	922	516	45.2%	15.3%	2.1%	36.8%	0.6%
2011	712	442	52.9%	10.4%	2.3%	33.9%	0.5%
2012	686	501	55.7%	9.6%	1.0%	33.3%	0.4%
2013	621	528	52.3%	7.0%	1.9%	38.6%	0.2%
2014	570	483	53.8%	5.2%	1.0%	40.0%	0.0%
TOTAL	34,102	29,741	26.6%	45.5%	4.8%	22.5%	0.6%

Section III – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							First CD4 Test Result		
		No. with HIV Diagnosis	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	No. with Test	% with Test	Median Count
Anne Arundel	468,309	51	8.9%	10.9	42	82.4%	12	23.5%	44	86.3%	301
Baltimore City	523,281	303	53.2%	57.9	237	78.2%	81	26.7%	240	79.2%	396
Baltimore	698,028	160	28.1%	22.9	133	83.1%	40	25.0%	131	81.9%	395
Carroll	142,505	6	1.1%	4.2	***	***	***	***	***	***	***
Harford	210,360	25	4.4%	11.9	22	88.0%	7	28.0%	21	84.0%	584
Howard	256,471	24	4.2%	9.4	17	70.8%	7	29.2%	18	75.0%	435
Queen Anne's	41,277	1	0.2%	2.4	***	***	***	***	***	***	***
TOTAL	2,340,231	570	100.0%	24.4	458	80.4%	151	26.5%	461	80.9%	387

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

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

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

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

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

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 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2015

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	468,309	22	6.9%	4.7	6.7	50.0%
Baltimore City	523,281	197	62.1%	37.6	4.6	44.2%
Baltimore	698,028	65	20.5%	9.3	3.9	53.8%
Carroll	142,505	4	1.3%	2.8	***	***
Harford	210,360	14	4.4%	6.7	2.9	50.0%
Howard	256,471	13	4.1%	5.1	2.3	61.5%
Queen Anne's	41,277	2	0.6%	4.8	***	***
TOTAL	2,340,231	317	100.0%	13.5	4.4	47.9%

***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 7/1/2014.

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

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

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

Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015

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	468,309	496	6.5%	105.9	618	6.6%	132.0	1,114	6.5%	237.9	420
Baltimore City	523,281	5,446	70.9%	1,040.7	6,717	71.8%	1,283.6	12,163	71.4%	2,324.4	43
Baltimore	698,028	1,223	15.9%	175.2	1,444	15.4%	206.9	2,667	15.7%	382.1	261
Carroll	142,505	55	0.7%	38.6	68	0.7%	47.7	123	0.7%	86.3	1,158
Harford	210,360	186	2.4%	88.4	226	2.4%	107.4	412	2.4%	195.9	510
Howard	256,471	254	3.3%	99.0	250	2.7%	97.5	504	3.0%	196.5	508
Queen Anne's	41,277	16	0.2%	38.8	31	0.3%	75.1	47	0.3%	113.9	878
TOTAL	2,340,231	7,676	100.0%	328.0	9,354	100.0%	399.7	17,030	100.0%	727.7	137

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2014.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st 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 31st 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 31st 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 12/31/2014, by Jurisdiction and Current Residence, Reported through 12/31/2015

ADULT/ADOLESCENT LIVING HIV CASES WITH OR WITHOUT AIDS DIAGNOSIS															
JURISDICTION OF RESIDENCE	Population Age 13+	Residence at HIV Diagnosis				Last Known Residence				% Change	Current Residence 2009-2015				% Change
		No.	% of Total	Rate	Ratio	No.	% of Total	Rate	Ratio		No.	% of Total	Rate	Ratio	
Anne Arundel	468,309	1,114	6.5%	237.9	420	1,292	7.1%	275.9	362	16.0%	1,073	7.1%	229	436	-3.7%
Baltimore City	523,281	12,163	71.4%	2,324.4	43	12,209	67.0%	2,333.2	42	0.4%	9,973	66.4%	1,906	52	-18.0%
Baltimore	698,028	2,667	15.7%	382.1	261	3,428	18.8%	491.1	203	28.5%	2,918	19.4%	418	239	9.4%
Carroll	142,505	123	0.7%	86.3	1,158	137	0.8%	96.1	1,040	11.4%	106	0.7%	74	1,344	-13.8%
Harford	210,360	412	2.4%	195.9	510	485	2.7%	230.6	433	17.7%	405	2.7%	193	519	-1.7%
Howard	256,471	504	3.0%	196.5	508	610	3.3%	237.8	420	21.0%	500	3.3%	195	512	-0.8%
Queen Anne's	41,277	47	0.3%	113.9	878	54	0.3%	130.8	764	14.9%	46	0.3%	111	897	-2.1%
TOTAL	2,340,231	17,030	100.0%	727.7	137	18,215	100.0%	778.3	128	7.0%	15,021	100.0%	642	155	-11.8%

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 31st 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 7/1/2014.

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

Last Known Residence: Jurisdiction of residence from the most recent laboratory test or case report, reported through 12/31/2015.

Current Residence 2009-2015: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-12/31/2015.

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

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

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 12/31/2014, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES								
	No.	Recent CD4 Test Result							
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+	
Anne Arundel	1,114	623	55.9%	526	12.5%	16.9%	17.5%	53.1%	
Baltimore City	12,163	7,310	60.1%	525	13.3%	14.7%	18.7%	53.3%	
Baltimore	2,667	1,614	60.5%	527	13.6%	13.5%	19.1%	53.8%	
Carroll	123	60	48.8%	566	18.3%	6.7%	20.0%	55.0%	
Harford	412	256	62.1%	558	17.6%	11.7%	16.0%	54.7%	
Howard	504	282	56.0%	577	13.1%	9.6%	17.4%	59.9%	
Queen Anne's	47	30	63.8%	640	10.0%	10.0%	16.7%	63.3%	
TOTAL	17,030	10,175	59.7%	528	13.4%	14.4%	18.6%	53.6%	

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 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to December 31st 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.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

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 12/31/2014, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	No.	Recent Viral Load Test Result				
		No. with Test	% with Test	% Suppressed	Median Unsuppressed	
Anne Arundel	1,114	558	50.1%	74.0%	10,735	
Baltimore City	12,163	6,289	51.7%	70.8%	8,244	
Baltimore	2,667	1,393	52.2%	74.0%	12,511	
Carroll	123	55	44.7%	76.4%	21,080	
Harford	412	224	54.4%	78.1%	15,136	
Howard	504	272	54.0%	78.3%	7,838	
Queen Anne's	47	27	57.4%	81.5%	3,162	
TOTAL	17,030	8,818	51.8%	72.0%	9,435	

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 31st 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.

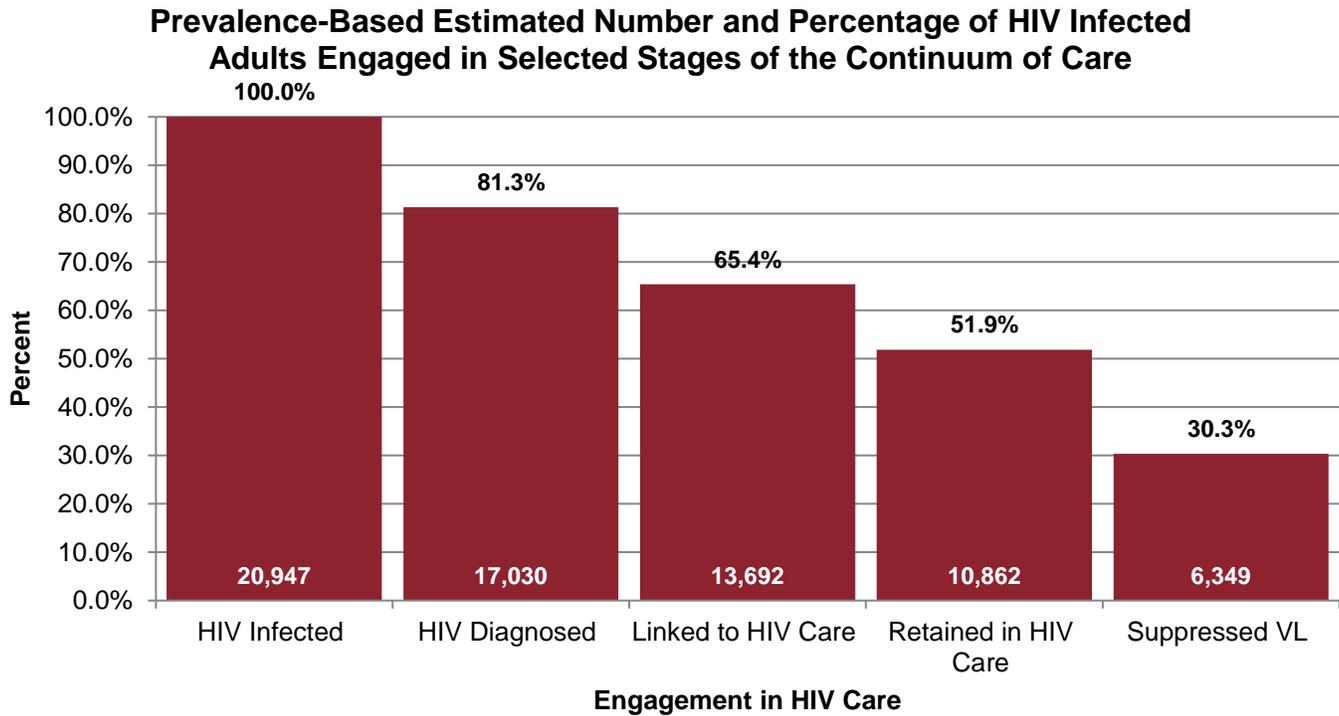
Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to December 31st of the specified year.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31st of the specified year of 200 copies per milliliter or greater.

Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, Reported through 12/31/2015

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ 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 number of undiagnosed persons in Maryland (18.7%)² to generate an estimated number of HIV infected persons in the Baltimore Metro area. It then uses local data to describe the number and percentage of persons living with HIV in the Baltimore Metro area who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	20,947	100.0%
HIV Diagnosed	17,030	81.3%
Linked to HIV Care	13,692	65.4%
Retained in HIV Care	10,862	51.9%
Suppressed VL	6,349	30.3%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (18.7%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st 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 test result reported in the 12 months prior to December 31st of the specified year.

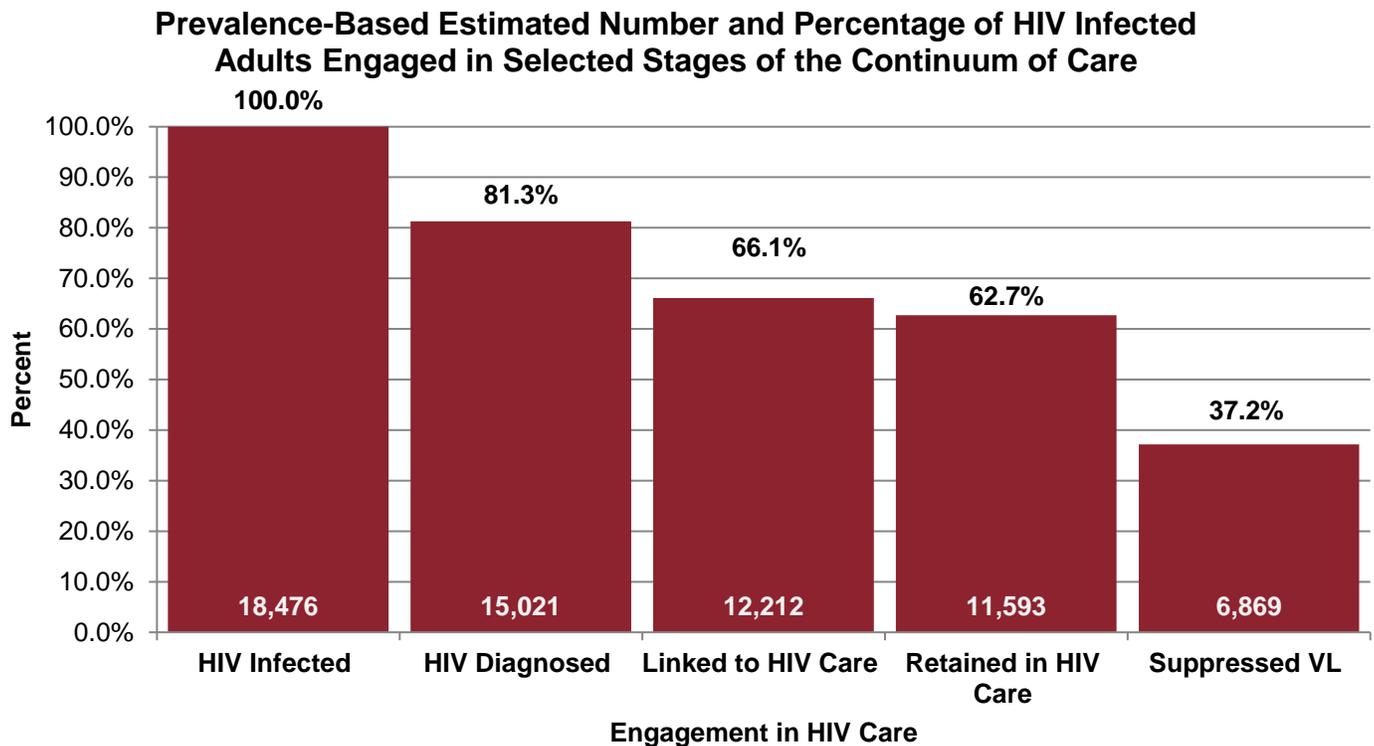
Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

¹ 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): 793-800.

² Centers for Disease Control and Prevention, *Morbidity and Mortality Weekly Report*, June 2015.

Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, by Current Residence, Reported through 12/31/2015

The prevalence-based Baltimore Metro Engagement in HIV Care Cascade (below) uses a CDC estimate of the number of undiagnosed persons in Maryland (18.7%)¹ to generate an estimated number of HIV infected persons in the Baltimore Metro area. It then uses local data for current Baltimore Metro area residents to describe the number and percentage of persons living with HIV in the Baltimore Metro area who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	18,476	100.0%
HIV Diagnosed	15,021	81.3%
Linked to HIV Care	12,212	66.1%
Retained in HIV Care	11,593	62.7%
Suppressed VL	6,869	37.2%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (18.7%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st 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 test result reported in the 12 months prior to December 31st of the specified year

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

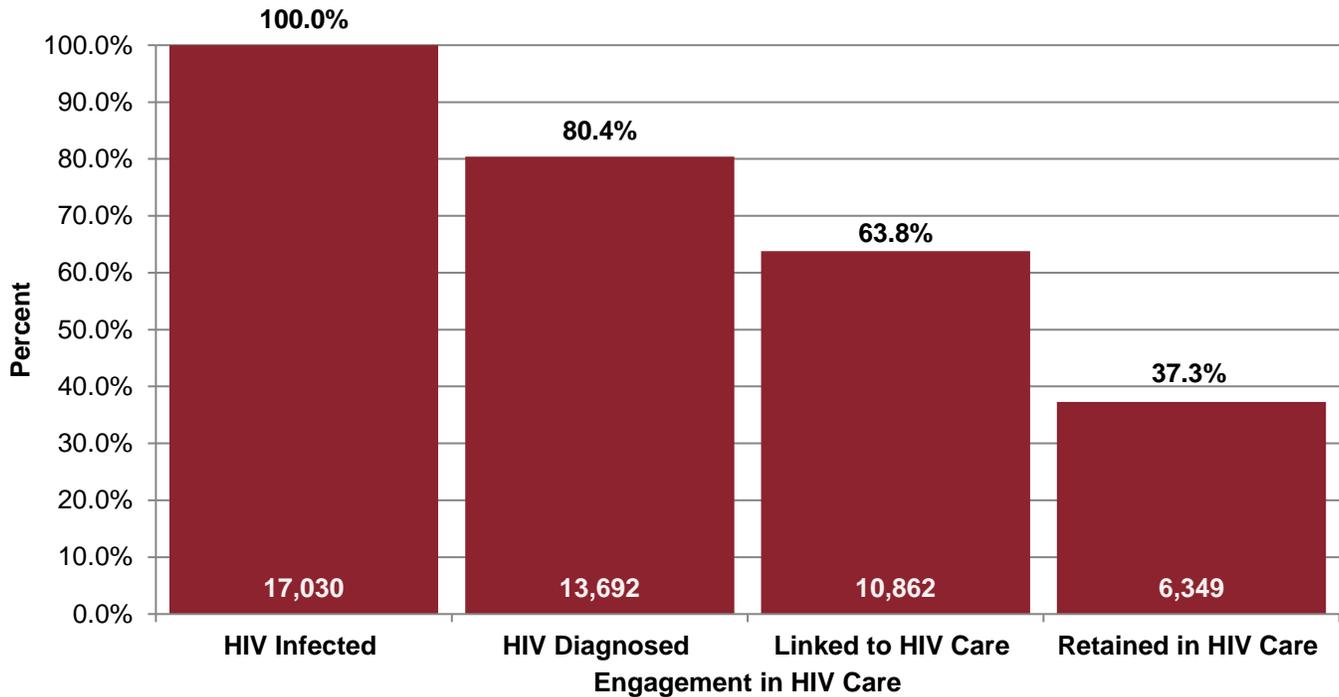
For additional information regarding current residence please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

¹ Centers for Disease Control and Prevention, Morbidity and Mortality Weekly Report, June 2015.

Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, Reported through 12/31/2015

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 area who belong to each of the stages of engagement in HIV care.

Diagnosis-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 Diagnosed	17,030	100.0%
Linked to HIV Care	13,692	80.4%
Retained in HIV Care	10,862	63.8%
Suppressed VL	6,349	37.3%

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

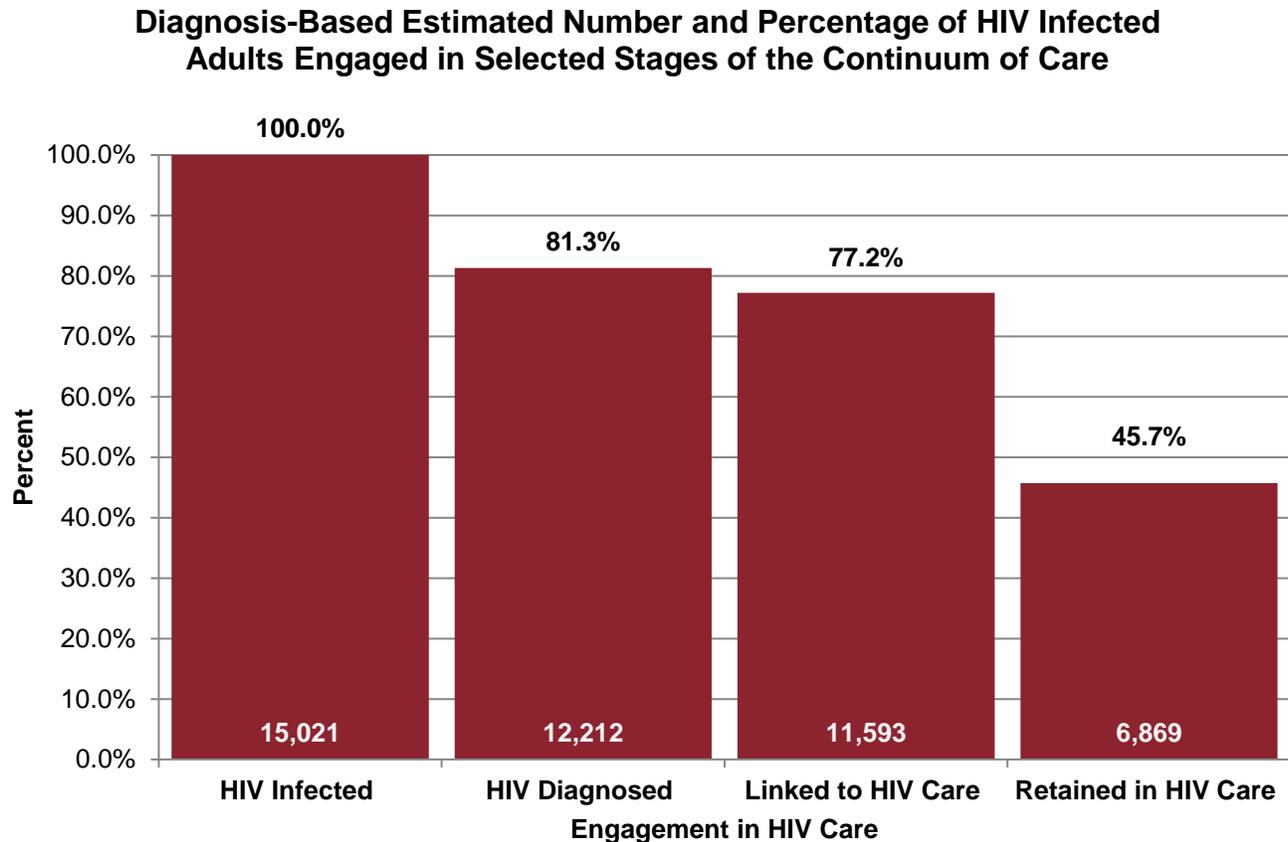
Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31st of the specified year

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

Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, by Current Residence, Reported through 12/31/2015

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



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	15,021	100.0%
Linked to HIV Care	12,212	81.3%
Retained in HIV Care	11,593	77.2%
Suppressed VL	6,869	45.7%

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st 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 test result reported in the 12 months prior to December 31st of the specified year

Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st 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.

Section IV – Cases by Age

Table 6 – HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 12/31/2015

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)	170,300	2	0.3%	1.2	***	***	***	***	***	***	***
5-12 (Pediatric)	275,343	0	0.0%	0.0	--	--	--	--	--	--	--
13-19	246,097	19	3.3%	7.7	***	***	***	***	***	***	***
20-29	395,777	184	32.2%	46.5	141	76.6%	24	13.0%	144	13.0%	407
30-39	366,314	144	25.2%	39.3	120	83.3%	44	30.6%	114	30.6%	392
40-49	369,373	100	17.5%	27.1	80	80.0%	33	33.0%	84	33.0%	321
50-59	409,056	90	15.7%	22.0	72	80.0%	33	36.7%	77	36.7%	260
60+	553,614	33	5.8%	6.0	27	81.8%	15	45.5%	26	45.5%	184
TOTAL	2,785,874	572	100.0%	20.5	460	80.4%	152	26.6%	462	26.6%	387

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

Table 7 – AIDS Diagnoses during 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 12/31/2015

AGE AT AIDS DIAGNOSIS	POPULATION	REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	170,300	1	0.3%	0.6	***	***
5-12 (Pediatric)	275,343	0	0.0%	0.0	--	0.0%
13-19	246,097	1	0.3%	0.4	***	***
20-29	395,777	46	14.4%	11.6	3.2	47.8%
30-39	366,314	78	24.5%	21.3	2.5	60.3%
40-49	369,373	89	27.9%	24.1	5.2	41.6%
50-59	409,056	71	22.3%	17.4	6	40.8%
60+	553,614	33	10.3%	6.0	5.7	48.5%
TOTAL	2,785,874	319	100.0%	11.5	4.5	48.0%

*** 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 7/1/2014.

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

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

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

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 12/31/2014, by Age on 12/31/2014, Reported through 12/31/2015

AGE ON 12/31/2014	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	170,300	3	0.0%	1.8	2	0.0%	1.2	5	0.0%	2.9	34,060
5-12	275,343	30	0.4%	10.9	3	0.0%	1.1	33	0.2%	12.0	8,343
13-19	246,097	79	1.0%	32.1	37	0.4%	15.0	116	0.7%	47.1	2,121
20-29	395,777	1,195	15.3%	301.9	520	5.5%	131.4	1,715	9.9%	433.3	230
30-39	366,314	1,456	18.6%	397.5	1,075	11.3%	293.5	2,531	14.6%	690.9	144
40-49	369,373	1,839	23.5%	497.9	2,480	26.1%	671.4	4,319	24.9%	1,169.3	85
50-59	409,056	2,230	28.5%	545.2	3,667	38.6%	896.5	5,897	34.0%	1,441.6	69
60+	553,614	1,001	12.8%	180.8	1,728	18.2%	312.1	2,729	15.7%	492.9	202
TOTAL	2,785,874	7,833	100.0%	281.2	9,512	100.0%	341.4	17,345	100.0%	622.6	160

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

Population: Population estimate for 7/1/2014.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st 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 31st 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 31st 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 12/31/2014, by Age on 12/31/2014, Reported through 12/31/2015

AGE ON 12/31/2014	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	38	27	71.1%	501	3.7%	11.1%	33.3%	51.9%
20-29	1,525	954	62.6%	511	12.2%	13.2%	23.5%	51.2%
30-39	2,522	1,508	59.8%	544	13.3%	12.4%	19.3%	55.0%
40-49	4,319	2,521	58.4%	523	14.7%	14.5%	17.4%	53.4%
50-59	5,897	3,592	60.9%	536	14.1%	14.5%	17.3%	54.1%
60+	2,729	1,573	57.6%	517	10.9%	16.7%	19.5%	52.8%
TOTAL	17,030	10,175	59.7%	528	13.4%	14.4%	18.6%	53.6%

Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, by Age on 12/31/2014, Reported through 12/31/2015

AGE ON 12/31/2014	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
13-19	38	28	73.7%	32.1%	2,692
20-29	1,525	950	62.3%	56.2%	12,045
30-39	2,522	1,390	55.1%	68.2%	11,732
40-49	4,319	2,196	50.8%	71.3%	11,010
50-59	5,897	3,032	51.4%	75.4%	7,690
60+	2,729	1,222	44.8%	82.2%	4,980
TOTAL	17,030	8,818	51.8%	72.0%	9,435

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 31st 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 reported in the 12 months prior to December 31st of the specified year.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31st of the specified year

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 reported in the 12 months prior to December 31st of the specified year.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31st of the specified year of 200 copies per milliliter or greater.

Section V – Adult/Adolescent Cases by Demographics

Table 11 – Adult/Adolescent HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2015

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	1,116,184	411	72.1%	36.8	320	77.9%	106	25.8%	329	80.0%	388
Female	1,224,047	159	27.9%	13.0	138	86.8%	45	28.3%	132	83.0%	354
TOTAL	2,340,231	570	100.0%	24.4	458	80.4%	151	26.5%	461	80.9%	387

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	108,986	33	5.8%	30.3	26	78.8%	11	33.3%	29	87.9%	306
Non-Hispanic	2,231,245	537	94.2%	24.1	432	80.4%	140	26.1%	432	80.4%	389
American Indian/Alaska Native, only	5,990	1	0.2%	16.7	***	***	***	***	***	***	***
Asian, only	122,939	3	0.5%	2.4	***	***	***	***	***	***	***
Black, only	655,869	433	76.0%	66.0	349	80.6%	113	26.1%	346	79.9%	392
Native Hawaiian/Other Pacific Islander, only	1,235	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%	--
White only	1,407,656	68	11.9%	4.8	53	77.9%	17	25.0%	54	79.4%	373
Multiracial/Other	37,555	32	5.6%	85.2	28	87.5%	9	28.1%	30	93.8%	405
TOTAL	2,340,231	570	100.0%	24.4	458	80.4%	151	26.5%	461	80.9%	387

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	2,063,321	472	82.8%	22.9	371	78.6%	122	25.8%	378	80.1%	386
Foreign-born	242,913	35	6.1%	14.4	30	85.7%	14	40.0%	32	91.4%	317
Africa	--	24	4.2%	--	22	91.7%	8	33.3%	22	91.7%	372
Asia	--	5	0.9%	--	***	***	***	***	***	***	***
Caribbean	--	2	0.4%	--	***	***	***	***	***	***	***
Central America	--	3	0.5%	--	***	***	***	***	***	***	***
Other	--	1	0.2%	--	***	***	***	***	***	***	***
Unknown	--	63	11.1%	--	57	90.5%	15	23.8%	51	81.0%	408
TOTAL	2,306,234	570	100.0%	24.7	458	80.4%	151	26.5%	461	80.9%	387

* Population data by sex at birth, age, and race/ethnicity are from the 2014 U.S. Census population estimates

** Population data by country of birth are from the 2013 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 7/1/2014.

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

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

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

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 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2015

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	1,116,184	201	63.4%	18.0	4.2	52.2%
Female	1,224,047	116	36.5%	9.5	4.7	40.5%
TOTAL	2,340,231	317	100.0%	13.5	4.4	47.9%

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	108,986	15	4.7%	13.8	1.3	73.3%
Non-Hispanic	2,231,245	302	95.3%	13.5	4.6	46.7%
American Indian/Alaska Native, only	5,990	0	0.0%	0.0	--	0.0%
Asian, only	122,939	1	0.3%	0.8	***	***
Black, only	655,869	237	74.8%	36.1	4.5	48.5%
Native Hawaiian/Other Pacific Islander, only	1,235	0	0.0%	0.0	--	0.0%
White only	1,407,656	44	13.9%	3.1	***	***
Multiracial/Other	37,555	20	6.3%	53.3	4.6	40.0%
TOTAL	2,340,231	317	100.0%	13.5	4.4	47.9%

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	2,063,321	285	89.9%	13.8	4.8	43.2%
Foreign-born	242,913	17	5.4%	7.0	0.8	88.2%
Africa	--	9	2.8%	--	0.2	100.0%
Asia	--	2	0.6%	--	***	***
Caribbean	--	1	0.3%	--	***	***
Central America	--	3	0.9%	--	***	***
Other	--	2	0.6%	--	***	***
Unknown	--	15	4.7%	--	0.4	93.3%
TOTAL	2,306,234	317	100.0%	13.7	4.4	47.9%

* Population data by sex at birth, age, and race/ethnicity are from the 2014 U.S. Census population estimates

** Population data by country of birth are from the 2013 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 7/1/2014.

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

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

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

Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2014 and Reported through 12/31/2015

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			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
Male	1,116,184	5,048	65.6%	452.3	6,011	64.0%	538.5	11,059	64.7%	990.8	100
Female	1,224,047	2,648	34.5%	216.3	3,375	36.1%	275.7	6,023	35.4%	492.1	203
TOTAL	2,340,231	7,676	100.0%	328.0	9,354	100.0%	399.7	17,030	100.0%	727.7	137

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			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
Hispanic	108,986	236	3.1%	216.5	336	3.6%	308.3	572	3.4%	524.8	190
Non-Hispanic	2,231,245	7,440	96.9%	333.4	9,018	96.4%	404.2	16,458	96.6%	737.6	135
American Indian/Alaska Native, only	5,990	9	0.1%	150.2	7	0.1%	116.9	16	0.1%	267.1	374
Asian, only	122,939	39	0.5%	31.7	20	0.2%	16.3	59	0.3%	48.0	2,083
Black, only	655,869	5,862	76.4%	893.8	7,157	76.5%	1,091.2	13,019	76.4%	1,985.0	50
Native Hawaiian/ Other Pacific Islander, only	1,235	3	0.0%	242.9	0	0.0%	0.0	3	0.0%	242.9	411
White only	1,407,656	1,238	16.1%	87.9	1,331	14.2%	94.6	2,569	15.1%	182.5	547
Multiracial/ Other	37,555	289	3.8%	769.5	503	5.4%	1,339.4	792	4.7%	2,108.9	47
TOTAL	2,340,231	7,676	100.0%	328.0	9,354	100.0%	399.7	17,030	100.0%	727.7	137

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			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
United States	2,063,321	7,198	93.8%	348.9	8,882	95.0%	430.5	16,080	94.4%	779.3	128
Foreign-born	242,913	183	2.4%	75.3	332	3.5%	136.7	515	3.0%	212.0	471
Africa	--	89	1.2%	--	173	1.8%	--	262	1.5%	--	--
Asia	--	18	0.2%	--	25	0.3%	--	43	0.3%	--	--
Caribbean	--	19	0.2%	--	32	0.3%	--	51	0.3%	--	--
Central America	--	30	0.4%	--	65	0.7%	--	95	0.6%	--	--
Other	--	27	0.4%	--	37	0.4%	--	64	0.4%	--	--
Unknown	--	295	3.8%	--	140	1.5%	--	435	2.6%	--	--
TOTAL	2,306,234	7,676	100.0%	332.8	9,354	100.0%	405.6	17,030	100.0%	738.4	135

* Population data by sex at birth, age, and race/ethnicity are from the 2014 U.S. Census population estimates

** Population data by country of birth are from the 2013 American Community Survey

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2014.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st 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 31st 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 31st 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 12/31/2014 and Reported through 12/31/2015

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	11,007	6,335	57.6%	512	13.2%	14.7%	20.3%	51.7%
Female	6,023	3,840	63.8%	561	13.8%	13.9%	15.7%	56.7%
TOTAL	17,030	10,175	59.7%	528	13.4%	14.4%	18.6%	53.6%

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+
Hispanic	572	332	58.0%	518	12.0%	14.2%	21.7%	52.1%
Non-Hispanic	16,458	9,843	59.8%	529	13.5%	14.4%	18.5%	53.6%
American Indian/Alaska Native, only	16	***	***	***	***	***	***	***
Asian, only	59	30	50.8%	527	6.7%	20.0%	20.0%	53.3%
Black, only	13,019	7,869	60.4%	523	13.6%	14.7%	18.8%	53.0%
Native Hawaiian/Other Pacific Islander, only	3	***	***	***	***	***	***	***
White only	2,569	1,367	53.2%	584	11.3%	12.4%	16.6%	59.8%
Multiracial/Other	792	573	72.3%	477	18.0%	15.0%	19.2%	47.8%
TOTAL	17,030	10,175	59.7%	528	13.4%	14.4%	18.6%	53.5%

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+
United States	16,080	9,625	59.6%	530	13.5%	14.4%	18.3%	53.8%
Foreign-born	262	153	58.4%	484	15.0%	13.1%	28.1%	43.8%
Africa	43	25	58.1%	460	12.0%	20.0%	28.0%	40.0%
Asia	51	26	51.0%	572	3.8%	7.7%	30.8%	57.7%
Caribbean	95	50	52.6%	461	10.0%	20.0%	28.0%	42.0%
Central America	64	30	46.9%	603	13.3%	10.0%	20.0%	56.7%
Other	515	284	55.1%	486	12.7%	14.1%	27.5%	45.8%
Unknown	435	305	70.1%	514	13.4%	14.4%	19.0%	53.1%
TOTAL	17,030	10,175	59.7%	528	13.4%	14.4%	18.6%	53.6%

*** 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 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

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 12/31/2014 and Reported through 12/31/2015

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
SEX AT BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	11,007	5,408	49.1%	73.4%	10,716
Female	6,023	3,410	56.6%	69.9%	7,372
TOTAL	17,030	8,818	51.8%	72.0%	9,435

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
RACE/ETHNICITY	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	572	290	50.7%	76.2%	18,381
Non-Hispanic	16,458	8,528	51.8%	71.9%	9,360
American Indian/Alaska Native, only	16	***	***	***	***
Asian, only	59	26	44.1%	92.3%	21,920
Black, only	13,019	6,873	52.8%	70.5%	9,251
Native Hawaiian/Other Pacific Islander, only	3	***	***	***	***
White only	2,569	1,130	44.0%	81.2%	10,434
Multiracial/Other	792	494	62.4%	67.8%	8,845
TOTAL	17,030	8,818	51.8%	72.0%	9,435

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	16,080	8,272	51.4%	71.6%	9,553
Foreign-born	515	251	48.7%	80.1%	2,515
Africa	262	142	54.2%	77.5%	2,515
Asia	43	23	53.5%	87.0%	10,930
Caribbean	51	27	52.9%	92.6%	26,131
Central America	95	38	40.0%	76.3%	3,020
Other	65	21	32.8%	81.0%	1,439
Unknown	435	295	67.8%	75.6%	13,775
TOTAL	17,030	8,818	51.8%	72.0%	9,435

*** 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 31st of the specified year.

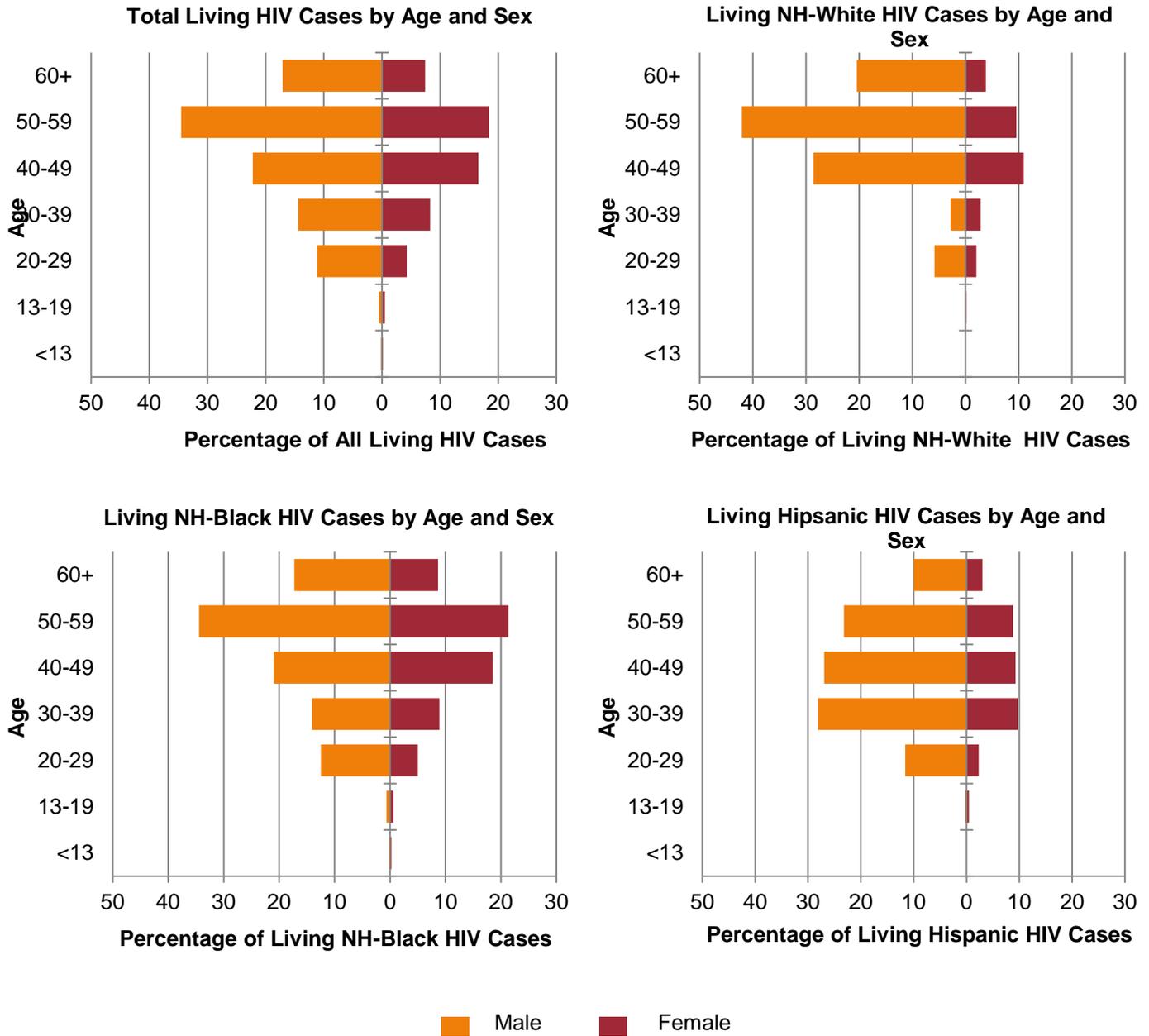
Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to December 31st of the specified year.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31st of the specified year 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 12/31/2014 and Reported through 12/31/2015



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

Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015

MALES						
AGE ON 12/31/2014		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	19,765	72,494	109,425	25,571	227,255
	Cases	0	16	1	0	17
	Rate	0.0	22.1	0.9	0.0	7.5
	Ratio (1 in X)	--	4,530	109,425	--	13,367
13-19	Population	8,003	39,688	66,064	11,482	125,237
	Cases	1	51	2	5	59
	Rate	12.5	128.5	3.0	43.5	47.1
	Ratio (1 in X)	8,003	778	33,032	2,296	2,122
20-29	Population	13,943	59,311	107,827	16,213	197,294
	Cases	50	1,013	106	72	1241
	Rate	358.6	1,707.9	98.3	444.1	629.0
	Ratio (1 in X)	278	58	1,017	225	158
30-39	Population	15,514	47,219	98,910	16,193	177,836
	Cases	121	1,148	242	94	1605
	Rate	779.9	2,431.2	244.7	580.5	902.5
	Ratio (1 in X)	128	41	408	172	110
40-49	Population	10,077	48,664	104,579	13,979	177,299
	Cases	116	1,707	518	133	2474
	Rate	1,151.1	3,507.7	495.3	951.4	1,395.4
	Ratio (1 in X)	86	28	201	105	71
50-59	Population	5,670	49,567	129,767	10,748	195,752
	Cases	100	2,803	762	180	3845
	Rate	1,763.7	5,655.0	587.2	1,674.7	1,964.2
	Ratio (1 in X)	56	17	170	59	50
60+	Population	4,105	50,889	176,900	10,872	242,766
	Cases	43	1,404	370	86	1903
	Rate	1,047.5	2,758.9	209.2	791.0	783.9
	Ratio (1 in X)	95	36	478	126	127
TOTAL MALES BY RACE/ETHNICITY	Population	77,077	367,832	793,472	105,058	1,343,439
	Cases	431	8,142	2,001	570	11,144
	Rate	559.2	2,213.5	252.2	542.6	829.5
	Ratio (1 in X)	178	45	396	184	120

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 31st of the specified year.

Population: Population estimate for 7/1/2014.

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

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

Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015

FEMALES						
AGE ON 12/31/2014		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	19,179	70,336	104,269	24,605	218,388
	Cases	0	20	0	1	21
	Rate	0.0	28.4	0.0	4.1	9.6
	Ratio (1 in X)	--	3,516	--	24,604	10,399
13-19	Population	7,638	39,274	62,326	11,621	120,860
	Cases	2	51	3	1	57
	Rate	26.2	129.9	4.8	8.6	47.2
	Ratio (1 in X)	3,819	770	20,775	11,621	2,120
20-29	Population	11,834	64,969	104,657	17,023	198,483
	Cases	10	409	37	18	474
	Rate	84.5	629.5	35.4	105.7	238.8
	Ratio (1 in X)	1,183	158	2,828	945	418
30-39	Population	12,947	58,743	98,203	18,585	188,478
	Cases	42	724	108	52	926
	Rate	324.4	1,232.5	110.0	279.8	491.3
	Ratio (1 in X)	308	81	909	357	203
40-49	Population	8,917	58,532	108,665	15,960	192,074
	Cases	40	1509	198	98	1,845
	Rate	448.6	2,578.1	182.2	614.0	960.6
	Ratio (1 in X)	222	38	548	162	104
50-59	Population	5,397	61,379	134,777	11,751	213,304
	Cases	38	1736	173	105	2,052
	Rate	704.1	2,828.3	128.4	893.5	962.0
	Ratio (1 in X)	142	35	779	111	103
60+	Population	4,941	77,634	214,981	13,292	310,848
	Cases	13	706	69	38	826
	Rate	263.1	909.4	32.1	285.9	265.7
	Ratio (1 in X)	380	109	3,115	349	376
TOTAL FEMALES BY RACE/ETHNICITY	Population	70,853	430,867	827,878	112,837	1,442,435
	Cases	145	5,155	588	313	6,201
	Rate	204.6	1,196.4	71.0	277.4	429.9
	Ratio (1 in X)	488	83	1,407	360	232

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 31st of the specified year.

Population: Population estimate for 7/1/2014.

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

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

Section VII – HIV Exposure Category

Table 18 – Adult/Adolescent HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure	484	100.0%	395	81.6%	122	25.2%	400	82.6%	395
Men who have Sex with Men (MSM)	260	53.7%	217	83.5%	61	23.5%	220	84.6%	406
Injection Drug Users (IDU)	25	5.2%	12	48.0%	10	40.0%	20	80.0%	268
Men who have Sex with Men and Inject Drugs (MSM/IDU)	5	1.0%	***	***	***	***	5	100.0%	384
Heterosexual Exposure (HET)	193	39.9%	161	83.4%	50	25.9%	155	80.3%	356
Other Exposure	1	0.2%	***	***	***	***	0	0.0%	--
No Reported Exposure	86		63	73.3%	29	33.7%	61	70.9%	255
TOTAL	570		458	80.4%	151	26.5%	461	80.9%	387

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure	349	100.0%	279	79.9%	87	24.9%	288	82.5%	397
Men who have Sex with Men (MSM)	260	74.5%	217	83.5%	61	23.5%	220	84.6%	406
Injection Drug Users (IDU)	16	4.6%	***	***	***	***	12	75.0%	183
Men who have Sex with Men and Inject Drugs (MSM/IDU)	5	1.4%	***	***	***	***	5	100.0%	384
Heterosexual Exposure (HET)	67	19.2%	50	74.6%	17	25.4%	51	76.1%	388
Other Exposure	1	0.3%	1	100.0%	0	0.0%	0	0.0%	--
No Reported Exposure	62		41	66.1%	19	30.6%	41	66.1%	255
TOTAL	411		320	77.9%	106	25.8%	329	80.0%	388

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure	135	100.0%	116	85.9%	35	25.9%	112	83.0%	359
Injection Drug Users (IDU)	9	6.7%	5	55.6%	***	***	8	88.9%	507
Heterosexual Exposure (HET)	126	93.3%	111	88.1%	***	***	104	82.5%	354
Other Exposure	0	0.0%	0	0.0%	0	0.0%	0	0.0%	--
No Reported Exposure	24		22	91.7%	10	41.7%	20	83.3%	232
TOTAL	159		138	86.8%	45	28.3%	132	83.0%	354

*** 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.

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 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	269	100.0%	4.7	46.1%
Men who have Sex with Men (MSM)	103	38.3%	3.4	59.2%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***
Heterosexual Exposure (HET)	113	42.0%	4.2	49.6%
Other Exposures	0	0.0%	--	--
No Reported Exposure*	49		2.8	57.1%
TOTAL	317		4.4	47.8%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	172	100.0%	4.5	49.4%
Men who have Sex with Men (MSM)	103	59.9%	3.4	59.2%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***
Heterosexual Exposure (HET)	37	21.5%	4.2	48.6%
Other Exposures	0	0.0%	--	--
No Reported Exposure	30		2.7	66.7%
TOTAL	201		4.3	52.0%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	97	100.0%	5.1	40.2%
Injection Drug Users (IDU)	21	21.6%	8.4	4.8%
Heterosexual Exposure (HET)	76	78.4%	4.1	50.0%
Other Exposures	0	0.0%	--	--
No Reported Exposure*	19		3.0	42.1%
TOTAL	116		4.7	40.5%

* Includes 3 new HIV diagnoses with Presumed Female Heterosexual exposure

*** 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 12/31/2014 and Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	5,707	100.0%	8,239	100.0%	13,946	100.0%
Men who have Sex with Men (MSM)	2,261	39.6%	2,262	27.5%	4,523	32.4%
Injection Drug Users (IDU)	1,388	24.3%	2,981	36.2%	4,369	31.3%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	160	2.8%	364	4.4%	524	3.8%
Heterosexual Exposure (HET)	1,881	33.0%	2,595	31.5%	4,476	32.1%
Other Exposures	17	0.3%	37	0.4%	54	0.4%
No Reported Exposure*	1,969		1,115		3,084	
TOTAL	7,676		9,354		17,030	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	3,874	100.0%	5,311	100.0%	9,185	100.0%
Men who have Sex with Men (MSM)	2,261	58.4%	2,262	42.6%	4,523	49.2%
Injection Drug Users (IDU)	827	21.3%	1,783	33.6%	2,610	28.4%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	160	4.1%	364	6.9%	524	5.7%
Heterosexual Exposure (HET)	618	16.0%	880	16.6%	1,498	16.3%
Other Exposures	8	0.2%	22	0.4%	30	0.3%
No Reported Exposure	1,154		668		1,822	
TOTAL	5,028		5,979		11,007	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	1,833	100.0%	2,928	100.0%	4,761	100.0%
Injection Drug Users (IDU)	561	30.6%	1,198	40.9%	1,759	36.9%
Heterosexual Exposure (HET)	1,263	68.9%	1,715	58.6%	2,978	62.5%
Other Exposures	9	0.5%	15	0.5%	24	0.5%
No Reported Exposure*	815		447		1,262	
TOTAL	2,648		3,375		6,023	

* Includes 68 HIV cases without AIDS and 35 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 31st 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 31st 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 31st of the specified year.

Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2014 and Reported through 12/31/2015

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
With Exposure	456	100.0%	10,592	100.0%	2,148	100.0%
Men who have Sex with Men (MSM)	206	45.2%	2,814	26.6%	1,223	56.9%
Injection Drug Users (IDU)	73	16.0%	3,655	34.5%	431	20.1%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	14	3.1%	399	3.8%	79	3.7%
Heterosexual Exposure (HET)	162	355.0%	3,692	34.9%	397	18.5%
Other Exposures	1	0.2%	32	0.3%	18	0.8%
No Reported Exposure*	116		2,427		421	
TOTAL	572		13,019		2,569	

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
With Exposure	350	100.0%	6,680	100.0%	1,670	100.0%
Men who have Sex with Men (MSM)	206	58.9%	2,814	42.1%	1,223	73.2%
Injection Drug Users (IDU)	52	14.9%	2,252	33.7%	212	12.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	14	4.0%	399	6.0%	79	4.7%
Heterosexual Exposure (HET)	78	22.3%	1,201	18.0%	142	8.5%
Other Exposures	0	0.0%	14	0.2%	14	0.8%
No Reported Exposure	80		1,346		319	
TOTAL	430		8,026		1,989	

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
With Exposure	106	100.0%	3,912	100.0%	478	100.0%
Injection Drug Users (IDU)	21	19.8%	1,403	35.9%	219	45.8%
Heterosexual Exposure (HET)	84	79.2%	2,491	63.7%	255	53.3%
Other Exposures	1	0.9%	18	0.5%	4	0.8%
No Reported Exposure*	36		1,081		102	
TOTAL	142		4,993		580	

* Includes 4 Hispanic cases, 90 non-Hispanic black cases, and 7 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 31st of the specified year.

Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2014 and Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
With Exposure	13,946	8,687	62.3%	525	13.5%	14.5%	18.7%	53.3%
Men who have Sex with Men (MSM)	4,523	2,742	60.6%	557	9.5%	11.8%	20.8%	57.9%
Injection Drug Users (IDU)	4,369	2,726	62.4%	475	16.3%	18.9%	18.3%	46.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	524	320	61.1%	518	16.6%	13.4%	17.2%	52.8%
Heterosexual Exposure (HET)	4,476	2,860	63.9%	551	14.2%	13.0%	17.0%	55.8%
Other Exposures	54	39	72.2%	454	17.9%	17.9%	33.3%	30.8%
No Reported Exposure*	3,084	1,488	48.2%	546	13.0%	13.6%	18.1%	55.2%
TOTAL	17,030	10,175	59.7%	528	13.4%	14.4%	18.6%	53.6%

* Includes 103 cases with Presumed Female Heterosexual exposure

Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2014 and Reported through 12/31/2015

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
With Exposure	13,946	7,451	53.4%	71.5%	9,986
Men who have Sex with Men (MSM)	4,523	2,425	53.6%	74.4%	10,995
Injection Drug Users (IDU)	4,369	2,238	51.2%	68.6%	10,715
Men who have Sex with Men and Inject Drugs (MSM/IDU)	524	255	48.7%	65.1%	13,568
Heterosexual Exposure (HET)	4,476	2,505	56.0%	72.2%	7,071
Other Exposures	54	28	51.9%	50.0%	35,271
No Reported Exposure*	3,084	1,367	44.3%	74.6%	6,769
TOTAL	17,030	8,818	51.8%	72.0%	9,435

* Includes 103 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 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

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 reported in the 12 months prior to December 31st of the specified year.

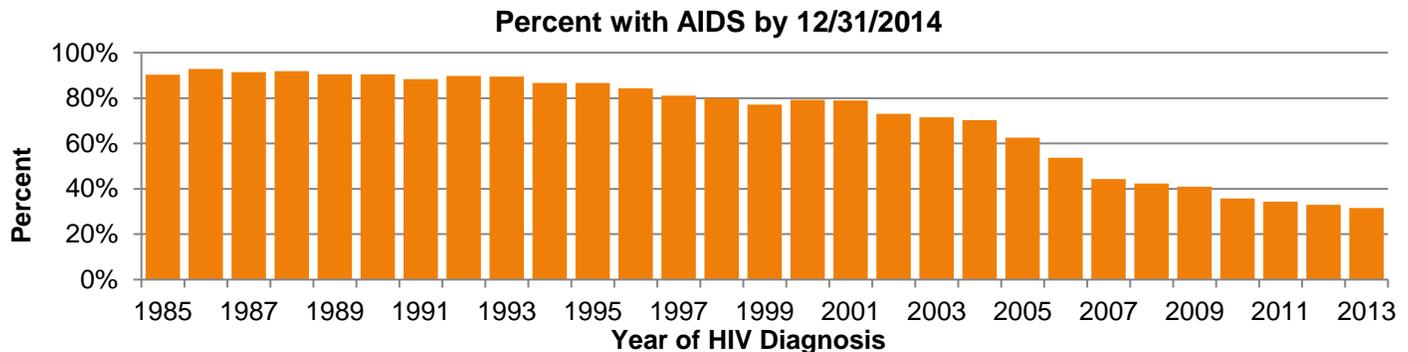
Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31st of the specified year of 200 copies per milliliter or greater.

Section VIII – Disease Progression and Mortality

Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2013, Reported through 12/31/2015

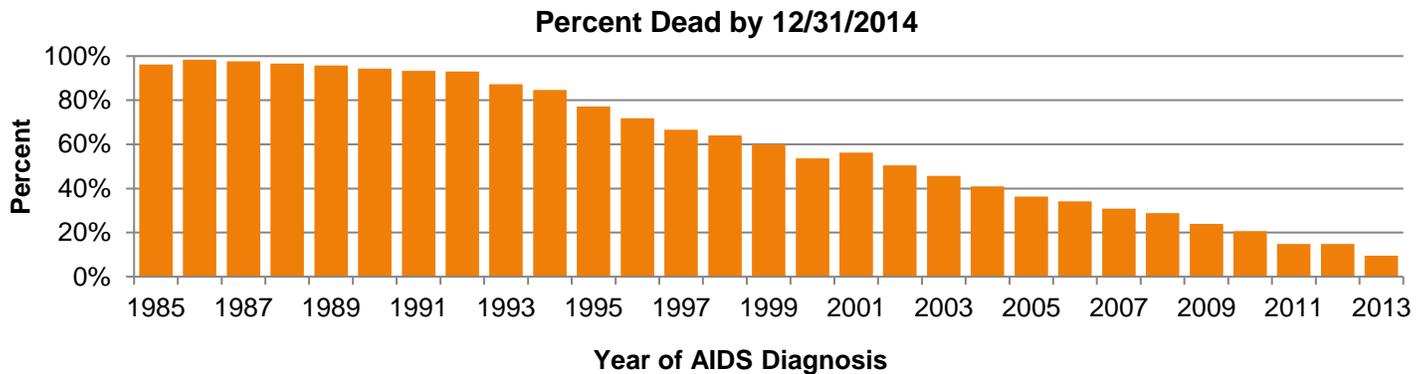
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/13 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2014 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2014, 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 2013, as Reported by Name through 12/31/2015.



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses		Mean Years from HIV to AIDS	Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS		1 Year	2 Years	5 Years	10 Years
<1985	220	212	96.4%	6.9	34.5%	34.5%	38.2%	68.6%
1985	432	390	90.3%	6.5	25.9%	27.1%	35.0%	74.8%
1986	575	534	92.9%	5.5	33.6%	34.3%	46.3%	79.5%
1987	759	694	91.4%	4.6	33.5%	36.8%	54.3%	82.2%
1988	1,119	1,027	91.8%	3.8	38.2%	42.1%	63.8%	85.5%
1989	1,427	1,291	90.5%	3.6	38.0%	43.5%	67.3%	83.3%
1990	1,489	1,346	90.4%	3.0	44.0%	50.8%	73.1%	84.9%
1991	1,700	1,503	88.4%	2.7	46.1%	55.7%	73.2%	83.0%
1992	1,667	1,496	89.7%	2.5	50.8%	59.0%	75.3%	84.0%
1993	1,517	1,357	89.5%	2.2	54.1%	62.2%	76.5%	85.3%
1994	1,380	1,196	86.7%	2.3	53.0%	60.9%	73.7%	81.7%
1995	1,356	1,174	86.6%	2.2	56.7%	62.3%	72.4%	82.1%
1996	1,254	1,057	84.3%	1.9	59.4%	64.0%	71.4%	80.2%
1997	1,273	1,033	81.1%	2.0	55.5%	60.5%	68.9%	76.9%
1998	1,262	1,009	80.0%	2.0	55.4%	59.0%	67.6%	75.8%
1999	1,157	892	77.1%	1.6	56.3%	60.3%	68.3%	74.6%
2000	1,085	860	79.3%	1.6	56.2%	60.5%	69.8%	76.9%
2001	1,187	937	78.9%	1.4	59.1%	63.1%	71.5%	76.7%
2002	1,410	1,030	73.0%	1.6	54.0%	57.4%	64.0%	70.8%
2003	1,205	862	71.5%	1.4	54.3%	57.7%	63.5%	70.0%
2004	1,227	863	70.3%	1.4	52.7%	56.5%	62.8%	69.0%
2005	1,280	801	62.6%	1.3	46.6%	49.2%	55.9%	--
2006	1,324	711	53.7%	1.4	38.7%	40.9%	48.1%	--
2007	1,215	538	44.3%	1.6	28.4%	31.4%	39.2%	--
2008	1,152	489	42.4%	1.4	28.0%	31.3%	39.0%	--
2009	919	376	40.9%	1.4	27.3%	30.3%	--	--
2010	922	330	35.8%	1.0	25.9%	28.9%	--	--
2011	712	245	34.4%	0.6	27.2%	31.3%	--	--
2012	686	226	32.9%	0.6	27.7%	30.0%	--	--
2013	621	196	31.6%	0.3	29.5%	--	--	--
TOTAL	33,532	24,675	73.6%	2.4	45.4%	50.0%	60.9%	70.0%

Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2013, Reported through 12/31/2015

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/13 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2014 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2014, 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 2013, as Reported by Name through 12/31/2015

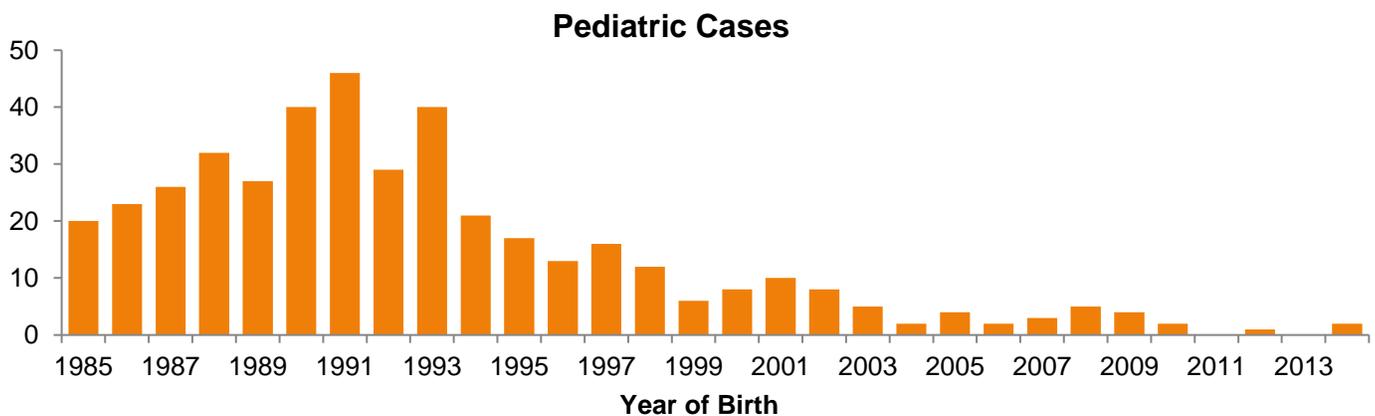


ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES								
YEAR OF HIV DIAGNOSIS	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	77	73	94.8%	2.5	51.9%	32.5%	15.6%	13.0%
1985	105	101	96.2%	1.7	42.9%	21.9%	8.6%	6.7%
1986	174	171	98.3%	2.6	54.0%	35.6%	14.9%	8.6%
1987	263	257	97.7%	2.1	61.2%	33.1%	11.0%	4.9%
1988	435	420	96.6%	2.3	59.3%	39.1%	13.8%	6.7%
1989	555	531	95.7%	2.4	60.5%	39.3%	15.5%	7.9%
1990	783	738	94.3%	2.8	65.5%	46.2%	20.1%	11.7%
1991	974	909	93.3%	2.7	67.5%	46.0%	18.0%	12.1%
1992	1,348	1,253	93.0%	3.0	70.3%	48.7%	20.4%	14.3%
1993	1,544	1,348	87.3%	3.6	77.5%	55.3%	32.6%	21.0%
1994	1,371	1,161	84.7%	3.8	77.0%	58.3%	37.9%	23.9%
1995	1,388	1,071	77.2%	4.5	78.0%	65.7%	48.5%	34.7%
1996	1,300	934	71.8%	5.1	81.8%	74.6%	57.3%	41.4%
1997	1,126	750	66.6%	5.0	85.0%	77.0%	60.7%	44.4%
1998	1,030	659	64.0%	5.2	87.0%	80.0%	64.0%	47.0%
1999	1,005	603	60.0%	4.7	86.9%	79.7%	64.0%	48.3%
2000	879	471	53.6%	4.3	85.6%	80.0%	65.1%	52.7%
2001	1,003	565	56.3%	4.1	85.3%	76.6%	62.0%	49.9%
2002	1,063	537	50.5%	4.5	87.8%	81.7%	69.5%	56.3%
2003	930	425	45.7%	3.3	83.2%	77.7%	66.2%	57.0%
2004	955	392	41.0%	3.4	86.9%	82.3%	71.3%	60.8%
2005	895	325	36.3%	3.1	88.3%	83.4%	73.5%	--
2006	805	275	34.2%	2.9	88.1%	83.4%	73.9%	--
2007	595	184	30.9%	2.6	88.2%	84.7%	75.6%	--
2008	593	171	28.8%	2.1	88.0%	83.6%	74.9%	--
2009	515	123	23.9%	2.1	90.3%	86.6%	--	--
2010	553	114	20.6%	1.5	89.7%	86.3%	--	--
2011	457	68	14.9%	1.5	93.7%	90.6%	--	--
2012	493	73	14.8%	1.1	90.7%	88.4%	--	--
2013	455	43	9.5%	0.8	94.3%	--	--	--
TOTAL	23,669	14,745	62.3%	3.6	80.8%	69.8%	53.6%	43.6%

Section IX – Pediatric Cases

Figure 12 – Trends in Pediatric HIV Cases, 1985-2014, Reported through 12/31/2015

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 31st of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2014, as Reported by Name through 12/31/2015.



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	20	7	4	1	9
1986	23	7	6	4	12
1987	26	16	10	5	23
1988	32	22	14	4	42
1989	27	28	19	5	65
1990	40	37	16	5	98
1991	46	37	26	8	126
1992	29	46	28	9	163
1993	40	46	25	12	197
1994	21	30	20	12	214
1995	17	19	13	12	221
1996	13	20	12	14	228
1997	16	10	7	6	232
1998	12	15	9	3	244
1999	6	15	7	4	254
2000	8	8	2	0	262
2001	10	9	8	3	267
2002	8	8	6	3	272
2003	5	2	1	2	272
2004	2	5	2	3	274
2005	4	1	1	0	275
2006	2	5	3	2	279
2007	3	31	5	4	306
2008	5	8	7	3	311
2009	4	6	3	2	315
2010	2	3	7	4	314
2011	0	2	4	2	315
2012	1	2	3	3	314
2013	0	1	10	1	314
2014	2	2	3	0	315
TOTAL	450	450	282	136	

Table 24 – Pediatric Total Living HIV Cases, Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Anne Arundel	21	6.7%
Baltimore City	222	70.5%
Baltimore	49	15.6%
Carroll	4	1.3%
Harford	13	4.1%
Howard	6	1.9%
Queen Anne's	0	0.0%
TOTAL	315	100.0%

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 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 31st of the specified year.

Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Male	137	43.5%
Female	178	56.5%
TOTAL	315	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Hispanic	4	1.3%
Non-Hispanic	311	98.7%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	1	0.3%
Black, only	278	88.3%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	20	6.3%
Multiracial/Other	12	3.8%
TOTAL	315	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 31st 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 31st 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 31st 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 31st 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).

Confirmed Perinatal HIV Transmissions: Reported babies born to an HIV positive mother, with a confirmed HIV diagnosis.

Current Residence 2009-2015: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-12/31/2015.

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.

Last Known Residence: Jurisdiction of residence from the most recent laboratory test or case report, reported through 12/31/2015.

Live Births: Babies born alive in the general population.

Living HIV Cases with AIDS: Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31st 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 31st 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 reported in the 12 months prior to December 31st of the specified year

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31st of the specified year of 200 copies per milliliter or greater.

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.

On ART: Estimated number of HIV Diagnosed receiving antiretroviral therapy (ART) during the specified year.

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 31st 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 reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

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.

Perinatal HIV Transmission Rate: Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures.

Population: Population estimate for 7/1/2014.

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

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

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

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to December 31st of the specified year.

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to December 31st of the specified year.

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.

Reported Perinatal HIV Exposures: Reported babies born to an HIV positive mother during the specified year.

Retained in HIV Care: HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31st of the specified year.

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

Women of Childbearing Age Total Living HIV cases: Reported HIV diagnoses among women of childbearing age (13-49 years old) on December 31st of the specified year.