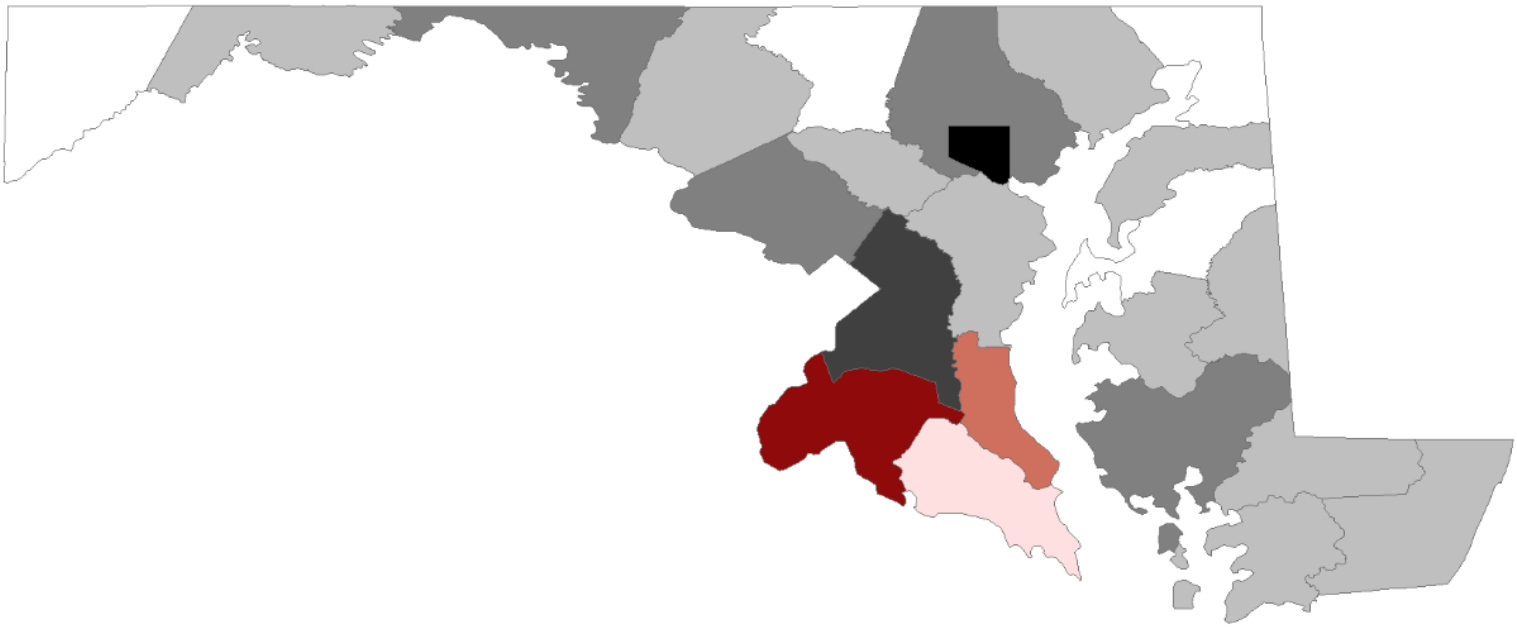
2014



Southern Region 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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Center for HIV Surveillance, Epidemiology and Evaluation

Colin Flynn, Chief
Jami Stockdale, Deputy Chief, Epidemiology and Evaluation
Reshma Bhattacharjee, Deputy Chief, HIV Case Surveillance

Alyssa Arey, Epidemiologist
Morgan Boyer, Epidemiologist
Harold Boykin, Epidemiologist
Molly Gribbin, Epidemiologist
Jennifer Lawall, Epidemiologist

Leigh Carels, Surveillance Investigator
Phyllis Finch, Surveillance Investigator
Delwar Hossain, Surveillance Investigator
Bekele Mamo, Surveillance Investigator
Winona Matthews, Surveillance Investigator
Carly Stokum, Surveillance Investigator
Assefa Tigeneh, Surveillance Investigator
Denise Bannerman-Wood, Data Quality Specialist/NIR Coordinator

Yvonne Childress, Data Specialist
Kathy Colburn, Data Specialist
Lillian Keene, Data Specialist
Rhonda Rowlette, Data Specialist, Health Record Reviewer

Mohammed Haque, Health Record Reviewer
Nancy McCaslin, Health Record Reviewer
Marilyn Walkins, Health Record Reviewer

Linda Knapp, Evaluator
Sara Daneshpour, Research Assistant
Claire Kihn, Research Assistant

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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.

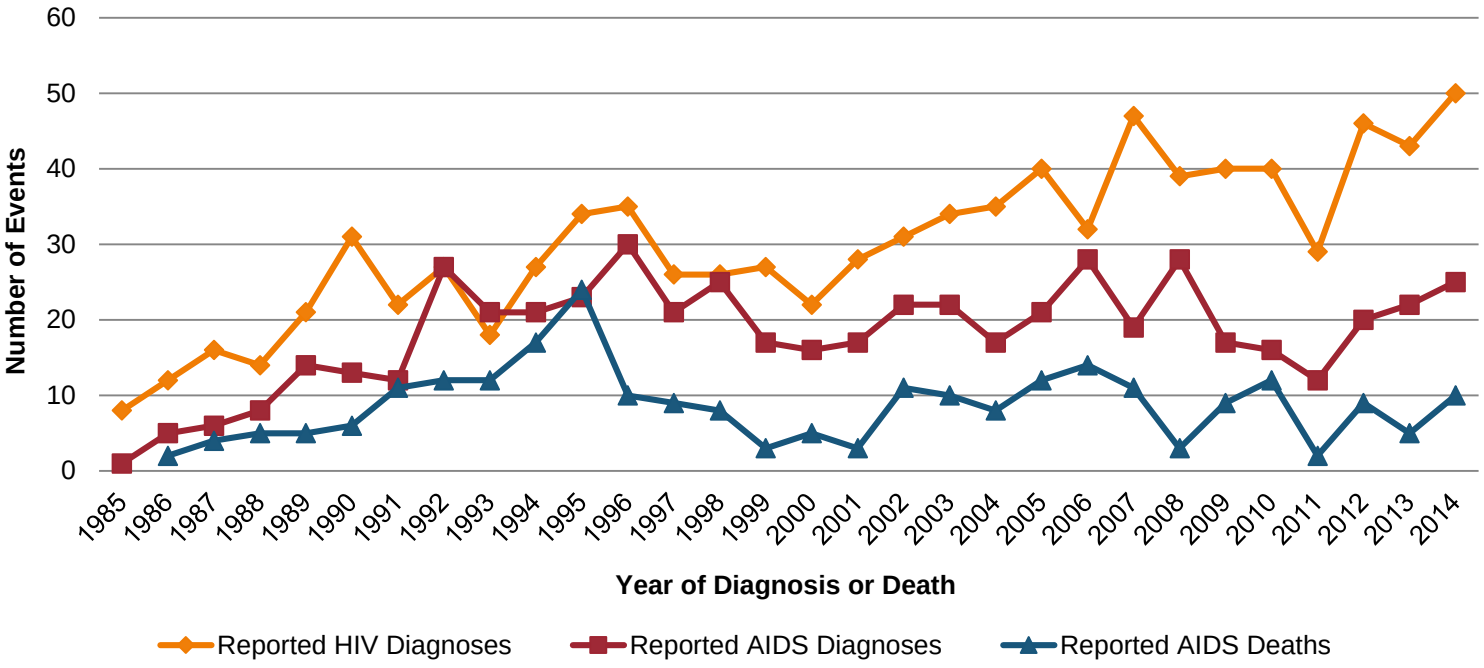
Heterosexual Exposure (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or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

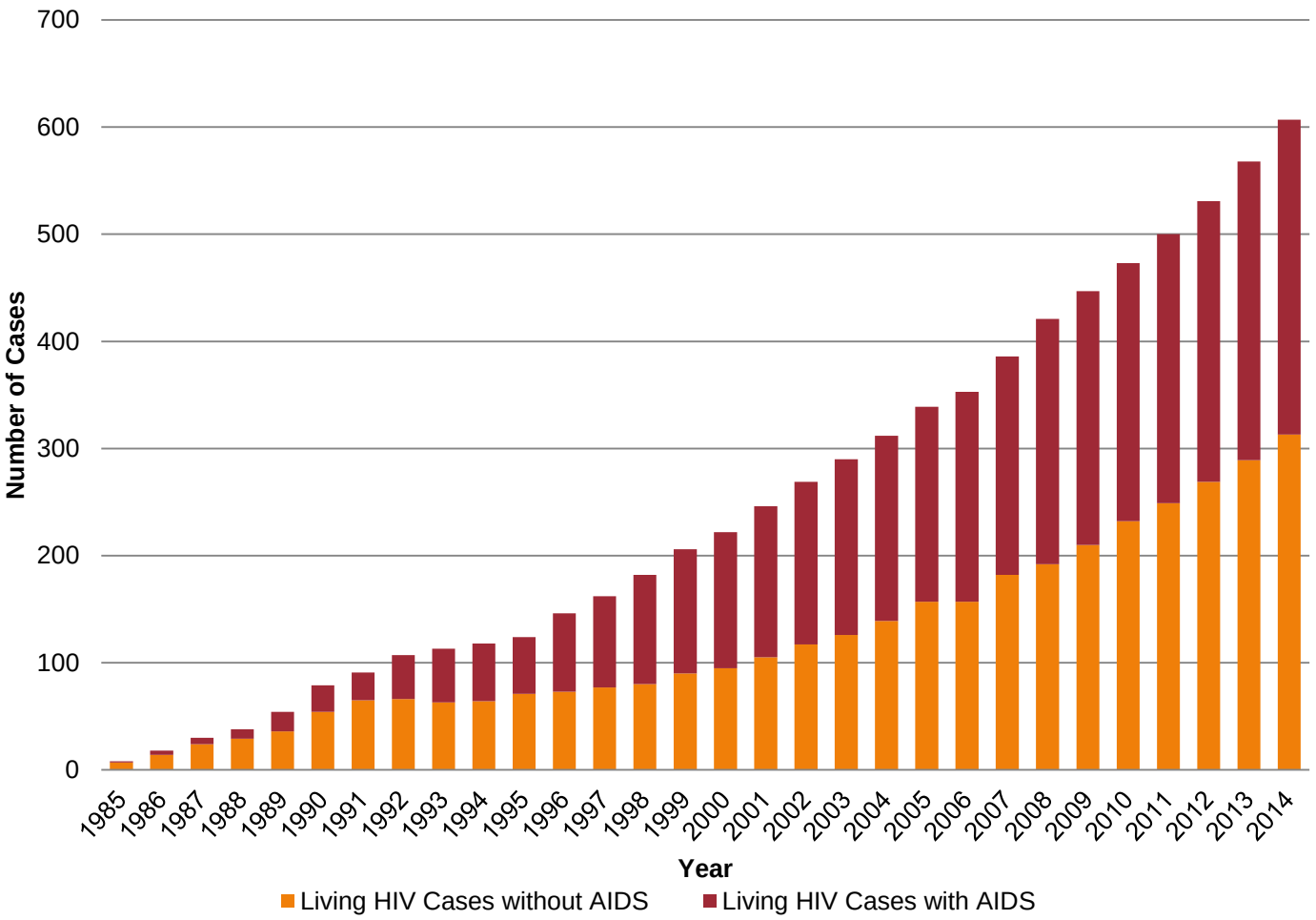


During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

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	2	1	1	**2000**	22	16	5
1985	8	1	0	**2001**	28	17	3
1986	12	5	2	**2002**	31	22	11
1987	16	6	4	**2003**	34	22	10
1988	14	8	5	**2004**	35	17	8
1989	21	14	5	**2005**	40	21	12
1990	31	13	6	**2006**	32	28	14
1991	22	12	11	**2007**	47	19	11
1992	27	27	12	**2008**	39	28	3
1993	18	21	12	**2009**	40	17	9
1994	27	21	17	**2010**	40	16	12
1995	34	23	24	**2011**	29	12	2
1996	35	30	10	**2012**	46	20	9
1997	26	21	9	**2013**	43	22	5
1998	26	25	8	**2014**	50	25	10
1999	27	17	3	**Total**	902	547	253

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

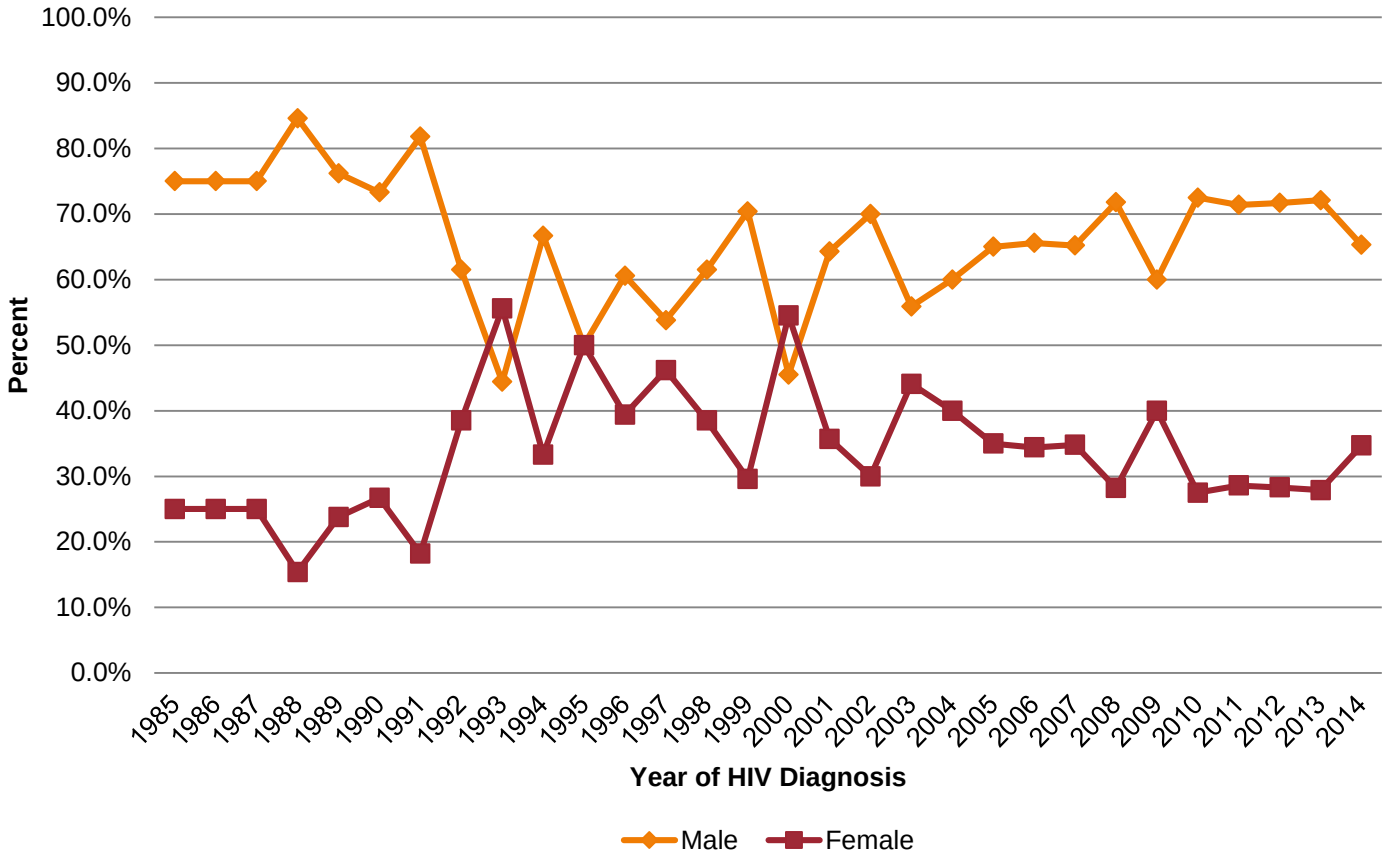
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2014, as Reported through 12/31/2015



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	7	1	8	**2000**	95	127	222
1986	14	4	18	**2001**	105	141	246
1987	24	6	30	**2002**	117	152	269
1988	29	9	38	**2003**	126	164	290
1989	36	18	54	**2004**	139	173	312
1990	54	25	79	**2005**	157	182	339
1991	65	26	91	**2006**	157	196	353
1992	66	41	107	**2007**	182	204	386
1993	63	50	113	**2008**	192	229	421
1994	64	54	118	**2009**	210	237	447
1995	71	53	124	**2010**	232	241	473
1996	73	73	146	**2011**	249	251	500
1997	77	85	162	**2012**	269	262	531
1998	80	102	182	**2013**	289	279	568
1999	90	116	206	**2014**	313	294	607

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

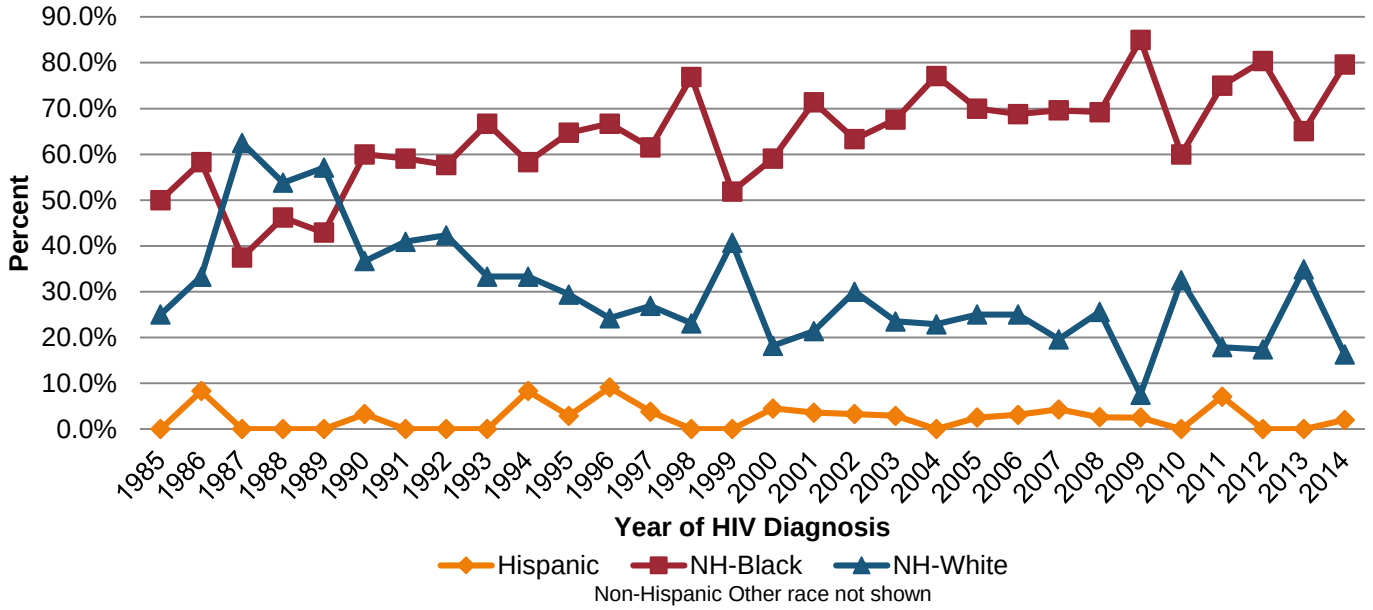
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



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	2	100.0%	0.0%	**2000**	22	45.5%	54.5%
1985	8	75.0%	25.0%	**2001**	28	64.3%	35.7%
1986	12	75.0%	25.0%	**2002**	30	70.0%	30.0%
1987	16	75.0%	25.0%	**2003**	34	55.9%	44.1%
1988	13	84.6%	15.4%	**2004**	35	60.0%	40.0%
1989	21	76.2%	23.8%	**2005**	40	65.0%	35.0%
1990	30	73.3%	26.7%	**2006**	32	65.6%	34.4%
1991	22	81.8%	18.2%	**2007**	46	65.2%	34.8%
1992	26	61.5%	38.5%	**2008**	39	71.8%	28.2%
1993	18	44.4%	55.6%	**2009**	40	60.0%	40.0%
1994	24	66.7%	33.3%	**2010**	40	72.5%	27.5%
1995	34	50.0%	50.0%	**2011**	28	71.4%	28.6%
1996	33	60.6%	39.4%	**2012**	46	71.7%	28.3%
1997	26	53.8%	46.2%	**2013**	43	72.1%	27.9%
1998	26	61.5%	38.5%	**2014**	49	65.3%	34.7%
1999	27	70.4%	29.6%	**Total**	890	65.7%	34.3%

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

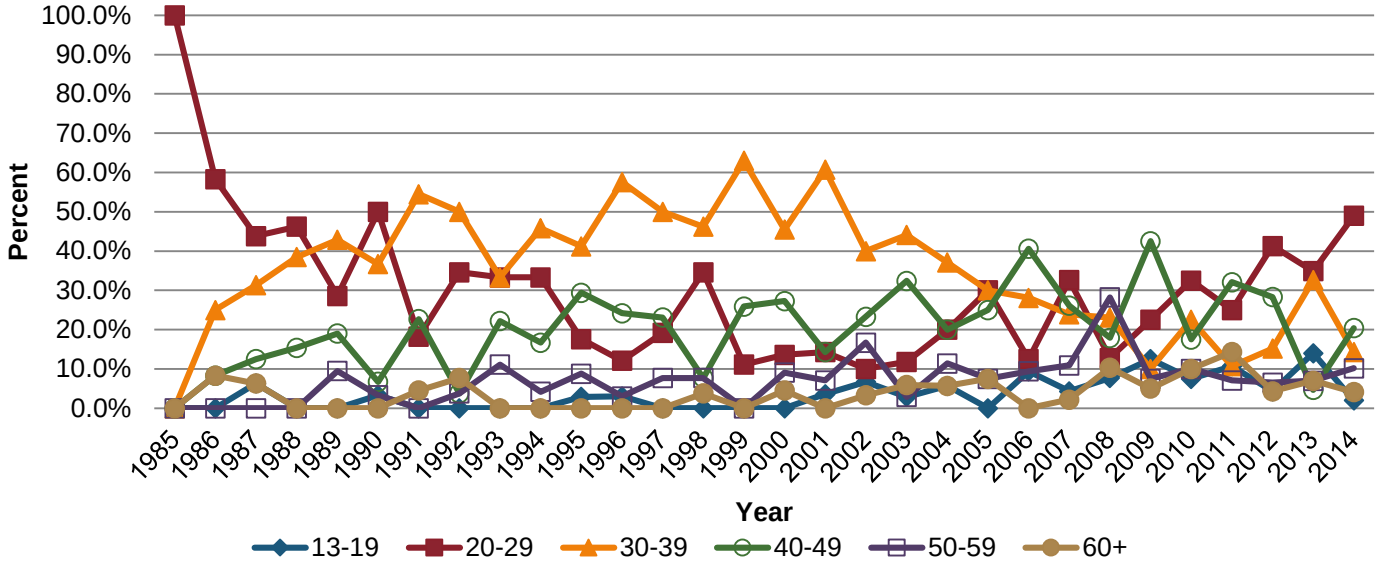
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



Year of HIV Diagnosis	Adult/Adolescent Reported HIV Diagnoses				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	2	0.0%	50.0%	50.0%	0.0%
1985	8	0.0%	50.0%	25.0%	25.0%
1986	12	8.3%	58.3%	33.3%	0.0%
1987	16	0.0%	37.5%	62.5%	0.0%
1988	13	0.0%	46.2%	53.8%	0.0%
1989	21	0.0%	42.9%	57.1%	0.0%
1990	30	3.3%	60.0%	36.7%	0.0%
1991	22	0.0%	59.1%	40.9%	0.0%
1992	26	0.0%	57.7%	42.3%	0.0%
1993	18	0.0%	66.7%	33.3%	0.0%
1994	24	8.3%	58.3%	33.3%	0.0%
1995	34	2.9%	64.7%	29.4%	2.9%
1996	33	9.1%	66.7%	24.2%	0.0%
1997	26	3.8%	61.5%	26.9%	7.7%
1998	26	0.0%	76.9%	23.1%	0.0%
1999	27	0.0%	51.9%	40.7%	7.4%
2000	22	4.5%	59.1%	18.2%	18.2%
2001	28	3.6%	71.4%	21.4%	3.6%
2002	30	3.3%	63.3%	30.0%	3.3%
2003	34	2.9%	67.6%	23.5%	5.9%
2004	35	0.0%	77.1%	22.9%	0.0%
2005	40	2.5%	70.0%	25.0%	2.5%
2006	32	3.1%	68.8%	25.0%	3.1%
2007	46	4.3%	69.6%	19.6%	6.5%
2008	39	2.6%	69.2%	25.6%	2.6%
2009	40	2.5%	85.0%	7.5%	5.0%
2010	40	0.0%	60.0%	32.5%	7.5%
2011	28	7.1%	75.0%	17.9%	0.0%
2012	46	0.0%	80.4%	17.4%	2.2%
2013	43	0.0%	65.1%	34.9%	0.0%
2014	49	2.0%	79.6%	16.3%	2.0%
Total	890	2.5%	66.6%	27.8%	3.1%

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

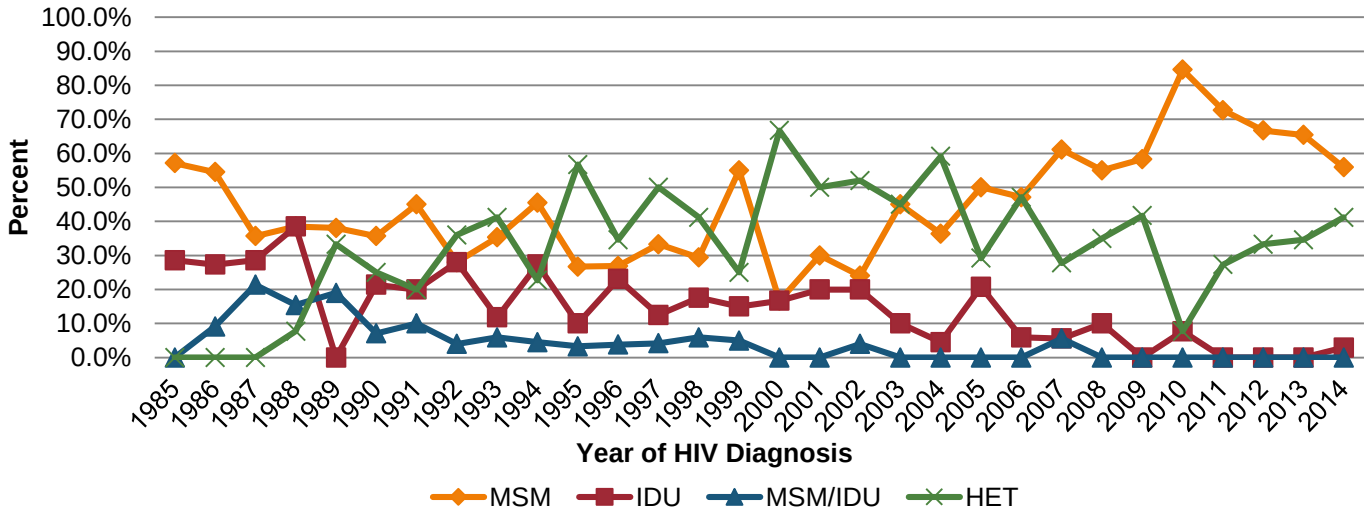
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



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	2	50.0%	0.0%	0.0%	50.0%	0.0%	0.0%
1985	8	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
1986	12	0.0%	58.3%	25.0%	8.3%	0.0%	8.3%
1987	16	6.3%	43.8%	31.3%	12.5%	0.0%	6.3%
1988	13	0.0%	46.2%	38.5%	15.4%	0.0%	0.0%
1989	21	0.0%	28.6%	42.9%	19.0%	9.5%	0.0%
1990	30	3.3%	50.0%	36.7%	6.7%	3.3%	0.0%
1991	22	0.0%	18.2%	54.5%	22.7%	0.0%	4.5%
1992	26	0.0%	34.6%	50.0%	3.8%	3.8%	7.7%
1993	18	0.0%	33.3%	33.3%	22.2%	11.1%	0.0%
1994	24	0.0%	33.3%	45.8%	16.7%	4.2%	0.0%
1995	34	2.9%	17.6%	41.2%	29.4%	8.8%	0.0%
1996	33	3.0%	12.1%	57.6%	24.2%	3.0%	0.0%
1997	26	0.0%	19.2%	50.0%	23.1%	7.7%	0.0%
1998	26	0.0%	34.6%	46.2%	7.7%	7.7%	3.8%
1999	27	0.0%	11.1%	63.0%	25.9%	0.0%	0.0%
2000	22	0.0%	13.6%	45.5%	27.3%	9.1%	4.5%
2001	28	3.6%	14.3%	60.7%	14.3%	7.1%	0.0%
2002	30	6.7%	10.0%	40.0%	23.3%	16.7%	3.3%
2003	34	2.9%	11.8%	44.1%	32.4%	2.9%	5.9%
2004	35	5.7%	20.0%	37.1%	20.0%	11.4%	5.7%
2005	40	0.0%	30.0%	30.0%	25.0%	7.5%	7.5%
2006	32	9.4%	12.5%	28.1%	40.6%	9.4%	0.0%
2007	46	4.3%	32.6%	23.9%	26.1%	10.9%	2.2%
2008	39	7.7%	12.8%	23.1%	17.9%	28.2%	10.3%
2009	40	12.5%	22.5%	10.0%	42.5%	7.5%	5.0%
2010	40	7.5%	32.5%	22.5%	17.5%	10.0%	10.0%
2011	28	10.7%	25.0%	10.7%	32.1%	7.1%	14.3%
2012	46	4.3%	41.3%	15.2%	28.3%	6.5%	4.3%
2013	43	14.0%	34.9%	32.6%	4.7%	7.0%	7.0%
2014	49	2.0%	49.0%	14.3%	20.4%	10.2%	4.1%
Total	890	4.4%	27.8%	33.9%	21.8%	8.0%	4.2%

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.	With Exposure Category					
		No.	% MSM	% IDU	% MSM/IDU	% HET	% Other Exposure
<1985	2	2	100.0%	0.0%	0.0%	0.0%	0.0%
1985	8	7	57.1%	28.6%	0.0%	0.0%	14.3%
1986	12	11	54.5%	27.3%	9.1%	0.0%	9.1%
1987	16	14	35.7%	28.6%	21.4%	0.0%	14.3%
1988	13	13	38.5%	38.5%	15.4%	7.7%	0.0%
1989	21	21	38.1%	0.0%	19.0%	33.3%	9.5%
1990	30	28	35.7%	21.4%	7.1%	25.0%	10.7%
1991	22	20	45.0%	20.0%	10.0%	20.0%	5.0%
1992	26	25	28.0%	28.0%	4.0%	36.0%	4.0%
1993	18	17	35.3%	11.8%	5.9%	41.2%	5.9%
1994	24	22	45.5%	27.3%	4.5%	22.7%	0.0%
1995	34	30	26.7%	10.0%	3.3%	56.7%	3.3%
1996	33	26	26.9%	23.1%	3.8%	34.6%	11.5%
1997	26	24	33.3%	12.5%	4.2%	50.0%	0.0%
1998	26	17	29.4%	17.6%	5.9%	41.2%	5.9%
1999	27	20	55.0%	15.0%	5.0%	25.0%	0.0%
2000	22	18	16.7%	16.7%	0.0%	66.7%	0.0%
2001	28	20	30.0%	20.0%	0.0%	50.0%	0.0%
2002	30	25	24.0%	20.0%	4.0%	52.0%	0.0%
2003	34	20	45.0%	10.0%	0.0%	45.0%	0.0%
2004	35	22	36.4%	4.5%	0.0%	59.1%	0.0%
2005	40	24	50.0%	20.8%	0.0%	29.2%	0.0%
2006	32	17	47.1%	5.9%	0.0%	47.1%	0.0%
2007	46	18	61.1%	5.6%	5.6%	27.8%	0.0%
2008	39	20	55.0%	10.0%	0.0%	35.0%	0.0%
2009	40	12	58.3%	0.0%	0.0%	41.7%	0.0%
2010	40	13	84.6%	7.7%	0.0%	7.7%	0.0%
2011	28	11	72.7%	0.0%	0.0%	27.3%	0.0%
2012	46	30	66.7%	0.0%	0.0%	33.3%	0.0%
2013	43	26	65.4%	0.0%	0.0%	34.6%	0.0%
2014	49	34	55.9%	2.9%	0.0%	41.2%	0.0%
Total	890	607	44.0%	13.7%	4.0%	35.6%	2.8%

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.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	No. with Test	% with Test	Median Count
Calvert	75,818	2	4.1%	2.6	***	***	***	***	***	***	***
Charles	128,189	39	79.6%	30.4	31	79.5%	11	28.2%	29	74.4%	325
Saint Mary's	90,661	8	16.3%	8.8	***	***	***	***	***	***	***
Total	294,668	49	100.0%	16.6	40	81.6%	17	34.7%	37	75.5%	302

*** 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
Calvert	75,818	1	4.0%	1.3	***	***
Charles	128,189	19	76.0%	14.8	2.8	57.9%
Saint Mary's	90,661	5	20.0%	5.5	0.2	100.0%
Total	294,668	25	100.0%	8.5	2.2	68.0%

*** 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)
Calvert	75,818	51	16.5%	67.3	52	17.9%	68.6	103	17.1%	135.9	736
Charles	128,189	200	64.5%	156.0	173	59.5%	135.0	373	62.1%	291.0	343
Saint Mary's	90,661	59	19.0%	65.1	66	22.7%	72.8	125	20.8%	137.9	725
Total	294,668	310	100.0%	105.2	291	100.0%	98.8	601	100.0%	204.0	490

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

Jurisdiction of Residence at Diagnosis	Population Age 13+	Adult/Adolescent Living HIV Cases with or without AIDS Diagnosis													
		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	
Calvert	75,818	103	17.1%	135.9	736	128	17.1%	168.8	592	24.3%	114	17.4%	150.4	665	10.7%
Charles	128,189	373	62.1%	291.0	343	465	62.0%	362.7	275	24.7%	403	61.3%	314.4	318	8.0%
Saint Mary's	90,661	125	20.8%	137.9	725	157	20.9%	173.2	577	25.6%	140	21.3%	154.4	647	12.0%
Total	294,668	601	100.0%	204.0	490	750	100.0%	254.5	392	24.8%	657	100.0%	223.0	448	9.3%

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+
Calvert	103	65	63.1%	631	6.2%	12.3%	15.4%	66.2%
Charles	373	225	60.3%	588	13.3%	12.0%	12.0%	62.7%
Saint Mary's	125	84	67.2%	493	7.1%	16.7%	27.4%	48.8%
Total	601	374	62.2%	588	10.7%	13.1%	16.0%	60.2%

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).

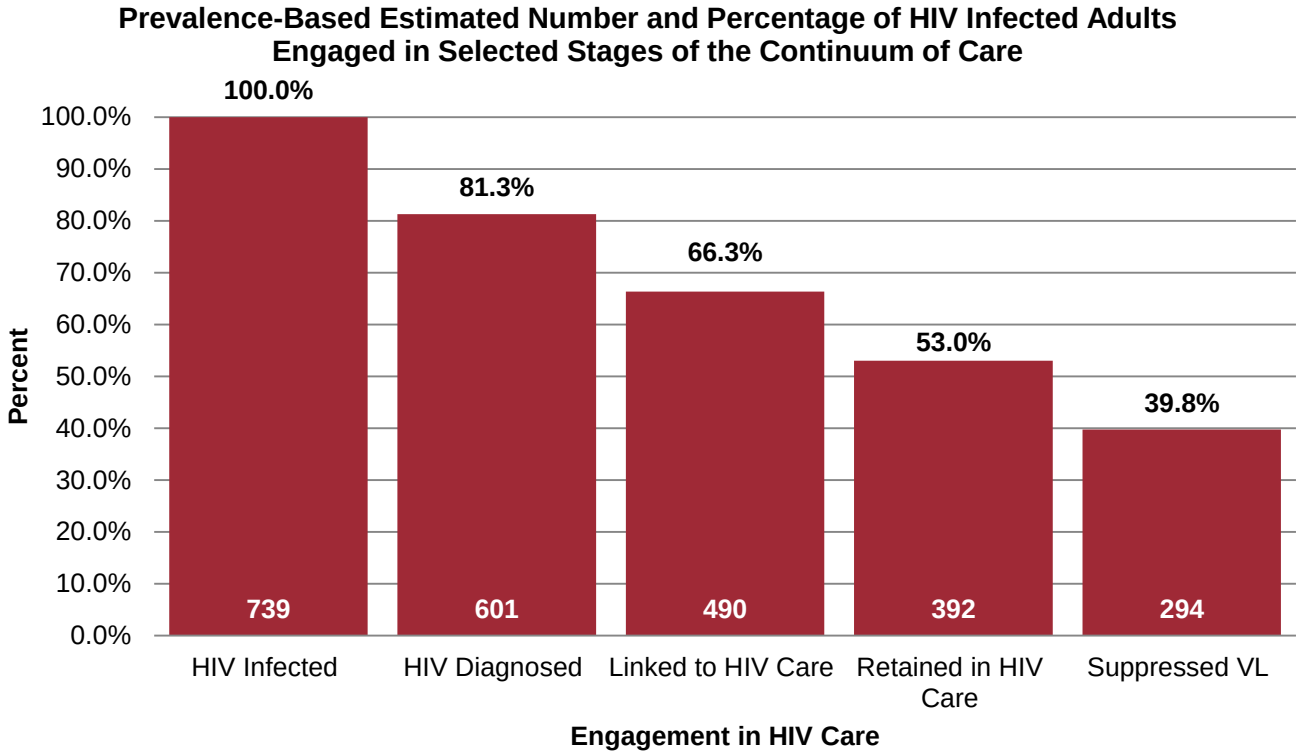
Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015

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
Calvert	103	63	61.2%	92.1%	34,480
Charles	373	229	61.4%	73.8%	13,934
Saint Mary's	125	85	68.0%	78.8%	4,566
Total	601	377	62.7%	78.0%	13,275

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 Southern Region Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (18.7%)[2] to generate an estimated number of HIV infected persons in the Southern Region. It then uses local data to describe the number and percentage of persons living with HIV in the Southern Region who belong to each of the stages of engagement in HIV care.



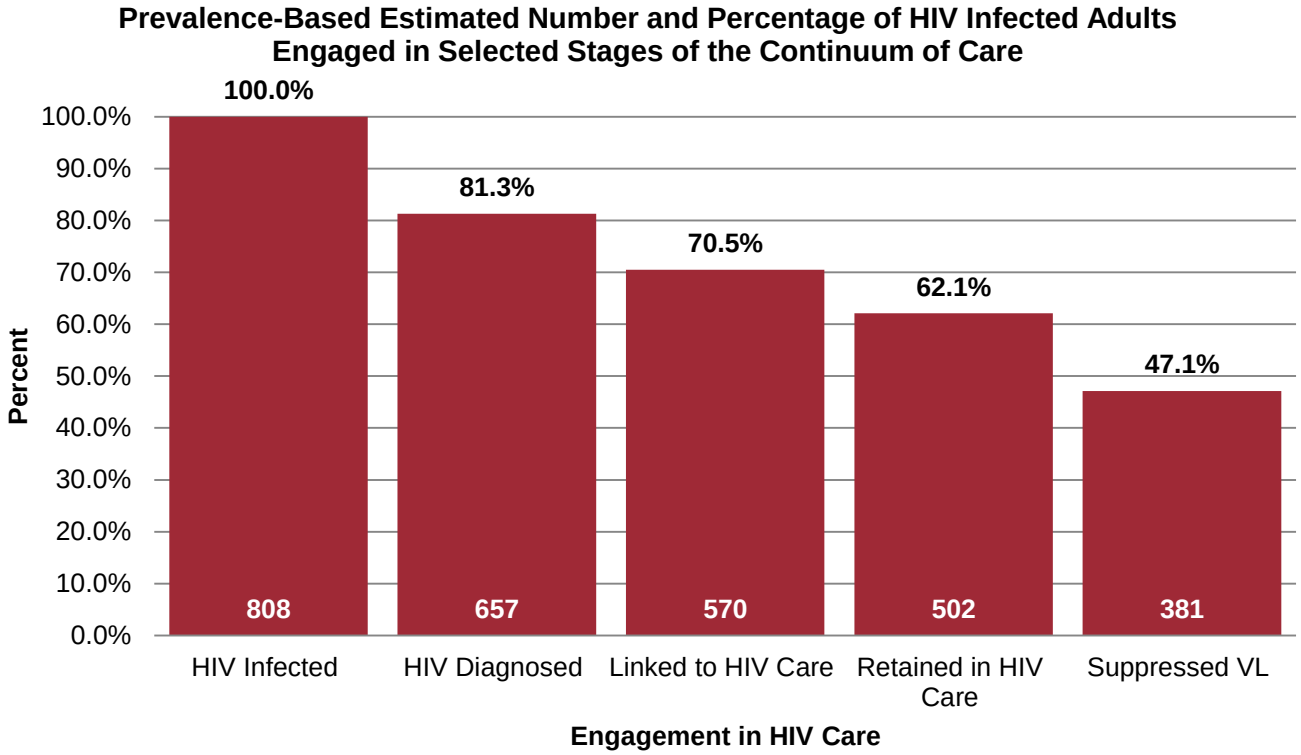
Continuum of Care Stage	Number	Percentage
HIV Infected	739	100.0%
HIV Diagnosed	601	81.3%
Linked to HIV Care	490	66.3%
Retained in HIV Care	392	53.0%
Suppressed VL	294	39.8%

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 or viral load 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): 7930-800.
[2] Centers for Disease Control and Prevention, Morbidity and Mortality Weekly Report, June 26, 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 Southern Region Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (18.7%)[1] to generate an estimated number of HIV infected persons in the Southern Region. It then uses local data for current Southern Region residents to describe the number and percentage of persons living with HIV in the Southern Region who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Number	Percentage
HIV Infected	808	100.0%
HIV Diagnosed	657	81.3%
Linked to HIV Care	570	70.5%
Retained in HIV Care	502	62.1%
Suppressed VL	381	47.1%

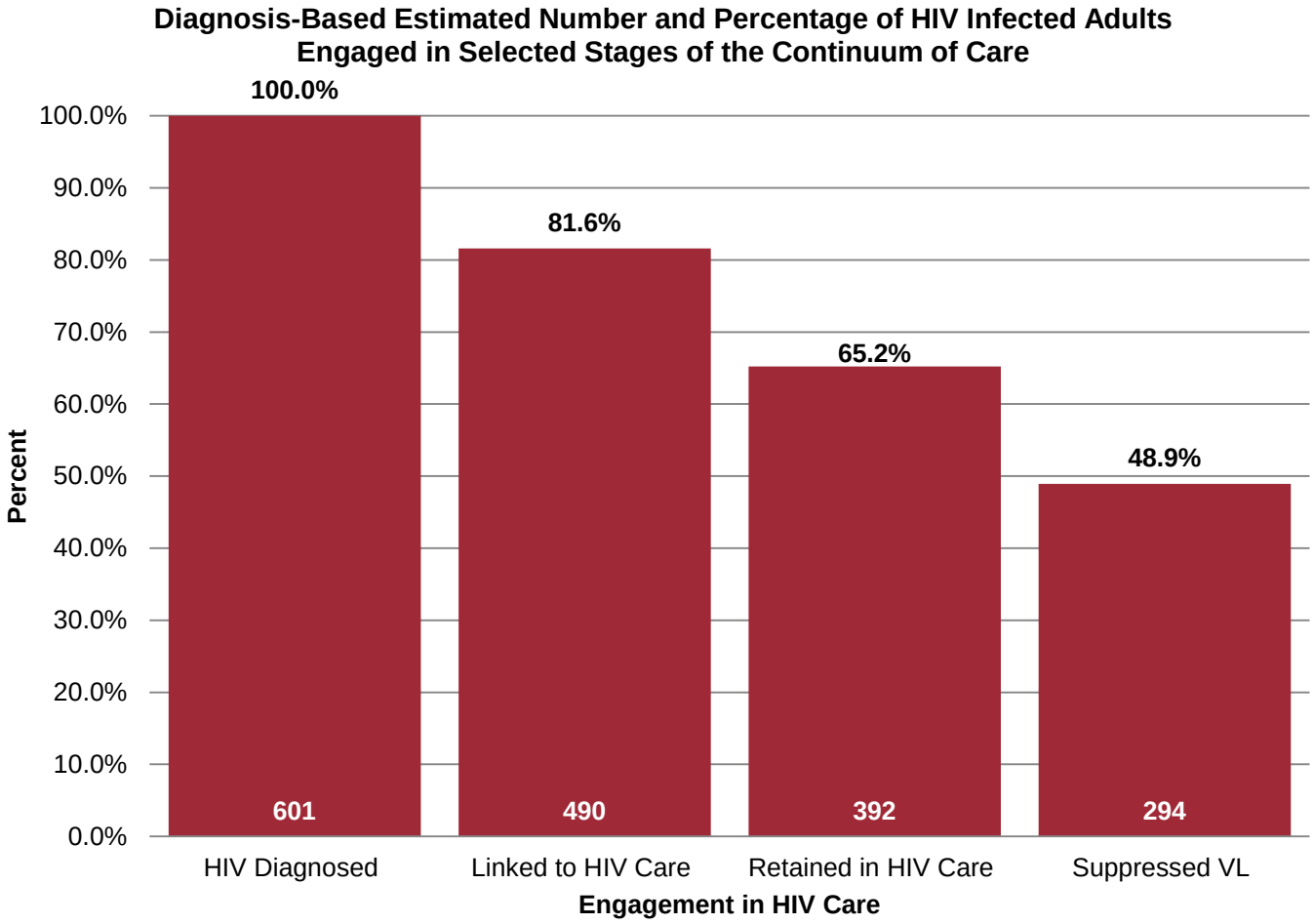
HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (18.7%) in Maryland.
HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2015.
Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.
Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result 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 26, 2015.

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

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



Continuum of Care Stage	Number	Percentage
HIV Diagnosed	601	100.0%
Linked to HIV Care	490	81.6%
Retained in HIV Care	392	65.2%
Suppressed VL	294	48.9%

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

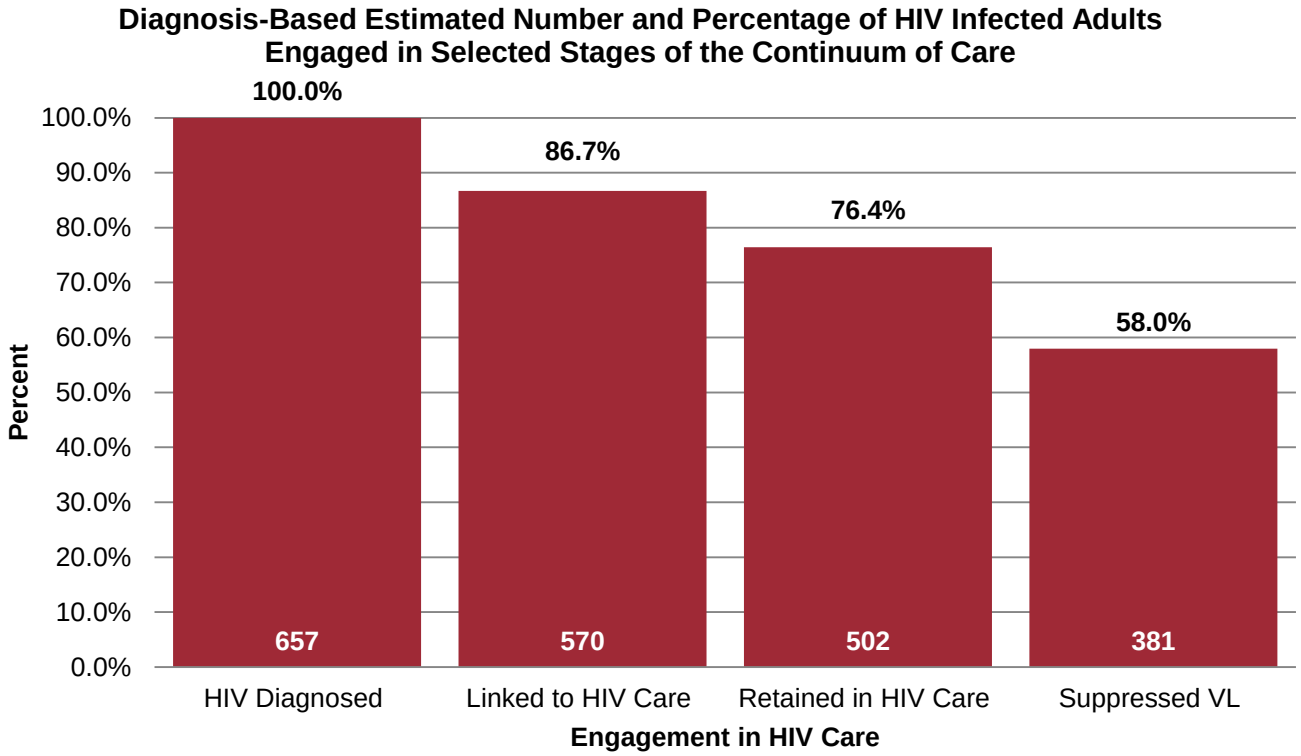
Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load 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 Southern Region Engagement in HIV Care Cascade (below) uses local data for current Southern Region residents to describe the number and percentage of persons diagnosed with HIV in the Southern Region who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Number	Percentage
HIV Diagnosed	657	100.0%
Linked to HIV Care	570	86.7%
Retained in HIV Care	502	76.4%
Suppressed VL	381	58.0%

HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2015.

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

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result 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, 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)	21,602	1	2.0%	4.6	***	***	***	***	***	***	***
5-12 (Pediatric)	39,472	0	0.0%	0.0	--	--	--	--	--	--	--
13-19	36,229	1	2.0%	2.8	***	***	***	***	***	***	***
20-29	46,186	24	48.0%	52.0	17	70.8%	5	20.8%	16	66.7%	402
30-39	43,294	7	14.0%	16.2	7	100.0%	***	***	7	100.0%	138
40-49	53,127	10	20.0%	18.8	9	90.0%	5	50.0%	8	80.0%	161
50-59	55,049	5	10.0%	9.1	***	***	***	***	***	***	***
60+	60,783	2	4.0%	3.3	***	***	***	***	***	***	***
Total	355,742	50	100.0%	14.1	41	82.0%	17	34.0%	38	76.0%	314

*** 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)	21,602	0	0.0%	0.0	--	--
5-12 (Pediatric)	39,472	0	0.0%	0.0	--	--
13-19	36,229	0	0.0%	0.0	--	--
20-29	46,186	9	36.0%	19.5	1.9	55.6%
30-39	43,294	5	20.0%	11.5	1.1	80.0%
40-49	53,127	8	32.0%	15.1	3.8	62.5%
50-59	55,049	1	4.0%	1.8	***	***
60+	60,783	2	8.0%	3.3	***	***
Total	355,742	25	100.0%	7.0	2.2	68.0%

*** 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	21,602	2	0.6%	9.3	0	0.0%	0.0	2	0.3%	9.3	10,801
5-12	39,472	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
13-19	36,229	4	1.3%	11.0	4	1.4%	11.0	8	1.3%	22.1	4,528
20-29	46,186	75	24.0%	162.4	29	9.9%	62.8	104	17.1%	225.2	444
30-39	43,294	68	21.7%	157.1	31	10.5%	71.6	99	16.3%	228.7	437
40-49	53,127	82	26.2%	154.3	91	31.0%	171.3	173	28.5%	325.6	307
50-59	55,049	56	17.9%	101.7	104	35.4%	188.9	160	26.4%	290.7	344
60+	60,783	26	8.3%	42.8	35	11.9%	57.6	61	10.0%	100.4	996
Total	355,742	313	100.0%	88.0	294	100.0%	82.6	607	100.0%	170.6	586

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	6	***	***	***	***	***	***	***
20-29	102	68	66.7%	534	13.2%	8.8%	19.1%	58.8%
30-39	99	52	52.5%	578	7.7%	11.5%	17.3%	63.5%
40-49	173	104	60.1%	589	17.3%	11.5%	14.4%	56.7%
50-59	160	110	68.8%	607	7.3%	13.6%	15.5%	63.6%
60+	61	***	***	***	***	***	***	***
Total	601	374	62.2%	588	10.7%	13.1%	16.0%	60.2%

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

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	6	***	***	***	***
20-29	102	70	68.6%	61.4%	18,620
30-39	99	54	54.5%	77.8%	15,910
40-49	173	104	60.1%	73.1%	16,230
50-59	160	110	68.8%	88.2%	2,022
60+	61	***	***	***	***
Total	601	377	62.7%	78.0%	13,275

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

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 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										
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	First CD4 Test Result			
									No. with Test	% with Test	Median Count	
Male	143,287	32	65.3%	22.3	26	81.3%	11	34.4%	25	78.1%	369	
Female	151,381	17	34.7%	11.2	14	82.4%	6	35.3%	12	70.6%	221	
Total	294,668	49	100.0%	16.6	40	81.6%	17	34.7%	37	75.5%	302	

Race/Ethnicity	Population Age 13+*	Adult/Adolescent Reported HIV Diagnoses										
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	First CD4 Test Result			
									No. with Test	% with Test	Median Count	
Hispanic	12,195	1	2.0%	8.2	***	***	***	***	***	***	***	
Non-Hispanic	282,473	48	98.0%	17.0	39	81.3%	16	33.3%	36	75.0%	314	
American Indian/Alaska Native, only	1,358	0	0.0%	0.0	--	--	--	--	--	--	--	
Asian, only	7,940	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%		
Black, only	76,607	39	79.6%	50.9	32	82.1%	12	30.8%	29	74.4%	369	
Native Hawaiian/ Other Pacific Islander, only	235	0	0.0%	0.0	--	--	--	--	--	--	--	
White only	189,854	8	16.3%	4.2	6	75.0%	***	***	6	75.0%	221	
Multiracial/ Other	6,478	1	2.0%	15.4	***	***	***	***	***	***	***	
Total	294,668	49	100.0%	16.6	40	81.6%	17	34.7%	37	75.5%	302	

Country of Birth	Population Age 13+**	Adult/Adolescent Reported HIV Diagnoses										
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	First CD4 Test Result			
									No. with Test	% with Test	Median Count	
United States	271,356	45	91.8%	16.6	36	80.0%	16	35.6%	33	73.3%	281	
Foreign-born	15,307	3	6.1%	19.6	***	***	***	***	***	***	***	
Africa	--	1	2.0%	--	***	***	***	***	***	***	***	
Asia	--	0	0.0%	--	--	--	--	--	--	--	--	
Caribbean	--	1	2.0%	--	***	***	***	***	***	***	***	
Central America	--	1	2.0%	--	***	***	***	***	***	***	***	
Other	--	0	0.0%	--	--	--	--	--	--	--	--	
Unknown	--	1	2.0%	--	***	***	***	***	***	***	***	
Total	286,663	49	100.0%	17.1	40	81.6%	17	34.7%	37	75.5%	302	

* 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	143,287	18	72.0%	12.6	2.6	66.7%
Female	151,381	7	28.0%	4.6	1.0	71.4%
Total	294,668	25	100.0%	8.5	2.2	68.0%

Race/Ethnicity	Population Age 13+*	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	12,195	1	4.0%	8.2	***	***
Non-Hispanic	282,473	24	96.0%	8.5	2.3	66.7%
American Indian/Alaska Native, only	1,358	0	0.0%	0.0	--	0.0%
Asian, only	7,940	0	0.0%	0.0	--	0.0%
Black, only	76,607	19	76.0%	24.8	2.7	68.4%
Native Hawaiian/Other Pacific Islander, only	235	0	0.0%	0.0	--	0.0%
White only	189,854	3	12.0%	1.6	***	***
Multiracial/Other	6,478	2	8.0%	30.9	***	***
Total	294,668	25	100.0%	8.5	2.2	68.0%

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	271,356	24	96.0%	8.8	2.3	66.7%
Foreign-born	15,307	1	4.0%	6.5	***	***
Africa	--	0	0.0%	--	--	0.0%
Asia	--	0	0.0%	--	--	0.0%
Caribbean	--	0	0.0%	--	--	0.0%
Central America	--	1	4.0%	--	***	***
Other	--	0	0.0%	--	--	0.0%
Unknown	--	0	0.0%	--	--	0.0%
Total	286,663	25	100.0%	8.7	2.2	68.0%

* 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	143,287	190	61.3%	132.6	191	65.6%	133.3	381	63.4%	265.9	376
Female	151,381	120	38.7%	79.3	100	34.4%	66.1	220	36.6%	145.3	688
Total	294,668	310	100.0%	105.2	291	100.0%	98.8	601	100.0%	204.0	490

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	12,195	9	2.9%	73.8	9	3.1%	73.8	18	3.0%	147.6	677
Non-Hispanic	282,473	301	97.1%	106.6	282	96.9%	99.8	583	97.0%	206.4	484
American Indian/Alaska Native, only	1,358	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
Asian, only	7,940	1	0.3%	12.6	1	0.3%	12.6	2	0.3%	25.2	3,970
Black, only	76,607	216	69.7%	282.0	198	68.0%	258.5	414	68.9%	540.4	185
Native Hawaiian/ Other Pacific Islander, only	235	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
White only	189,854	80	25.8%	42.1	70	24.1%	36.9	150	25.0%	79.0	1,265
Multiracial/ Other	6,478	4	1.3%	61.7	13	4.5%	200.7	17	2.8%	262.4	381
Total	294,668	310	100.0%	105.2	291	100.0%	98.8	601	100.0%	204.0	490

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	271,356	281	90.6%	103.6	275	94.5%	101.3	556	92.5%	204.9	488
Foreign-born	15,307	11	3.5%	71.9	10	3.4%	65.3	21	3.5%	137.2	728
Africa	--	3	1.0%	--	4	1.4%	--	7	1.2%	--	--
Asia	--	1	0.3%	--	0	0.0%	--	1	0.2%	--	--
Caribbean	--	1	0.3%	--	1	0.3%	--	2	0.3%	--	--
Central America	--	3	1.0%	--	4	1.4%	--	7	1.2%	--	--
Other	--	3	1.0%	--	1	0.3%	--	4	0.7%	--	--
Unknown	--	18	5.8%	--	6	2.1%	--	24	4.0%	--	--
Total	286,663	310	100.0%	108.1	291	100.0%	101.5	601	100.0%	209.7	476

* 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

Sex At Birth	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	381	234	61.4%	575	10.3%	14.5%	14.5%	60.7%
Female	220	140	63.6%	599	11.4%	10.7%	18.6%	59.3%
Total	601	374	62.2%	588	10.7%	13.1%	16.0%	60.2%

Race/Ethnicity	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	18	8	44.4%	574	0.0%	37.5%	0.0%	62.5%
Non-Hispanic	583	366	62.8%	588	10.9%	12.6%	16.4%	60.1%
American Indian/Alaska Native, only	0	0	0.0%	--	--	--	--	--
Asian, only	2	***	***	***	***	***	***	***
Black, only	414	256	61.8%	592	13.3%	8.2%	16.4%	62.1%
Native Hawaiian/Other Pacific Islander, only	0	0	0.0%	--	--	--	--	--
White only	150	94	62.7%	576	5.3%	21.3%	14.9%	58.5%
Multiracial/Other	17	***	***	***	***	***	***	***
Total	601	374	62.2%	588	10.7%	13.1%	16.0%	60.2%

Country Of Birth	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	556	354	63.7%	582	10.7%	13.6%	16.1%	59.6%
Foreign-born	21	7	33.3%	588	14.3%	14.3%	14.3%	57.1%
Africa	7	***	***	***	***	***	***	***
Asia	1	***	***	***	***	***	***	***
Caribbean	2	***	***	***	***	***	***	***
Central America	7	***	***	***	***	***	***	***
Other	4	***	***	***	***	***	***	***
Unknown	24	13	54.2%	636	7.7%	0.0%	15.4%	76.9%
Total	601	374	62.2%	588	10.7%	13.1%	16.0%	60.2%

*** 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

Sex At Birth	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	381	229	60.1%	77.3%	12,924
Female	220	148	67.3%	79.1%	13,275
Total	601	377	62.7%	78.0%	13,275

Race/Ethnicity	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	18	7	38.9%	71.4%	9,745
Non-Hispanic	583	370	63.5%	78.1%	13,275
American Indian/Alaska Native, only	0	0	0.0%	0.0%	--
Asian, only	2	***	***	***	***
Black, only	414	265	64.0%	75.8%	15,369
Native Hawaiian/Other Pacific Islander, only	0	0	0.0%	0.0%	--
White only	150	90	60.0%	85.6%	2,858
Multiracial/Other	17	***	***	***	***
Total	601	377	62.7%	78.0%	13,275

Country of Birth	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	556	356	64.0%	77.2%	12,020
Foreign-born	21	8	38.1%	100.0%	--
Africa	7	***	***	***	***
Asia	1	***	***	***	***
Caribbean	2	***	***	***	***
Central America	7	***	***	***	***
Other	4	***	***	***	***
Unknown	24	13	54.2%	84.6%	111,715
Total	601	377	62.7%	78.0%	13,275

*** 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.

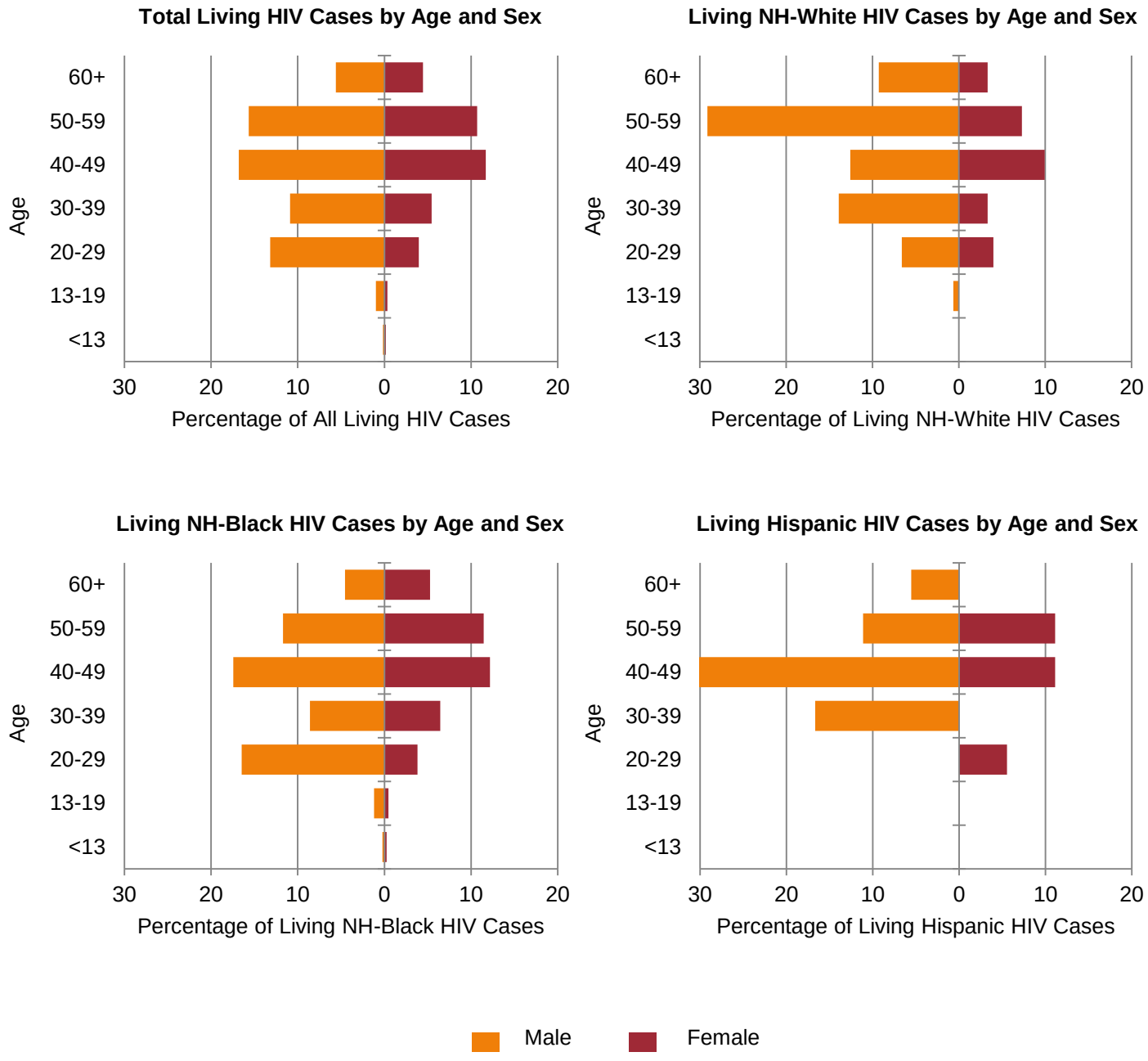
Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to December 31st of the specified year.

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	71,541	152,562	213,739	57,459	495,300
	Cases	0	1	0	0	1
	Rate	0.0	0.7	0.0	0.0	0.2
	Ratio (1 in X)	--	152,562	--	--	495,300
13-19	Population	30,296	86,222	131,079	26,785	274,383
	Cases	0	5	1	0	6
	Rate	0.0	5.8	0.8	0.0	2.2
	Ratio (1 in X)	--	17,244	131,079	--	45,730
20-29	Population	50,751	127,825	200,720	26,785	406,081
	Cases	0	69	10	1	80
	Rate	0.0	54.0	5.0	3.7	19.7
	Ratio (1 in X)	--	1,852	20,072	26,785	5,076
30-39	Population	57,696	106,837	183,291	26,785	374,609
	Cases	3	36	21	6	66
	Rate	5.2	33.7	11.5	22.4	17.6
	Ratio (1 in X)	19,232	2,967	8,728	4,464	5,675
40-49	Population	40,551	114,965	203,864	26,785	386,165
	Cases	7	73	19	3	102
	Rate	17.3	63.5	9.3	11.2	26.4
	Ratio (1 in X)	5,793	1,574	10,729	8,928	3,785
50-59	Population	23,930	112,807	253,472	28,002	418,211
	Cases	2	49	44	0	95
	Rate	8.4	43.4	17.4	0.0	22.7
	Ratio (1 in X)	11,965	2,302	5,760	--	4,402
60+	Population	16,164	113,639	354,261	31,330	515,394
	Cases	1	19	14	0	34
	Rate	6.2	16.7	4.0	0.0	6.6
	Ratio (1 in X)	16,164	5,981	25,304	--	15,158
TOTAL MALES BY RACE/ETHNICITY	Population	290,929	814,857	1,540,426	223,932	2,870,144
	Cases	13	252	109	10	384
	Rate	4.5	30.9	7.1	4.5	13.4
	Ratio (1 in X)	22,379	3,233	14,132	22,393	7,474

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	68,225	148,144	203,924	55,211	475,504
	Cases	0	1	0	0	1
	Rate	0.0	0.7	0.0	0.0	0.2
	Ratio (1 in X)	--	148,144	--	--	475,504
13-19	Population	27,934	84,490	123,976	26,839	263,239
	Cases	0	2	0	0	2
	Rate	0.0	2.4	0.0	0.0	0.8
	Ratio (1 in X)	--	42,245	--	--	131,619
20-29	Population	42,809	134,421	193,271	37,890	408,391
	Cases	1	16	6	1	24
	Rate	2.3	11.9	3.1	2.6	5.9
	Ratio (1 in X)	42,809	8,401	32,211	37,890	17,016
30-39	Population	46,937	126,949	183,261	43,388	400,535
	Cases	0	27	5	1	33
	Rate	0.0	21.3	2.7	2.3	8.2
	Ratio (1 in X)	--	4,701	36,652	43,388	12,137
40-49	Population	35,583	135,915	211,664	39,745	422,907
	Cases	2	51	15	3	71
	Rate	5.6	37.5	7.1	7.5	16.8
	Ratio (1 in X)	17,791	2,665	14,110	13,248	5,956
50-59	Population	23,654	137,337	262,114	32,753	455,858
	Cases	2	48	11	4	65
	Rate	8.5	35.0	4.2	12.2	14.3
	Ratio (1 in X)	11,827	2,861	23,828	8,188	7,013
60+	Population	21,300	167,331	426,068	38,856	653,555
	Cases	0	22	5	0	27
	Rate	0.0	13.1	1.2	0.0	4.1
	Ratio (1 in X)	--	7,605	85,213	--	24,205
TOTAL FEMALES BY RACE/ETHNICITY	Population	266,442	934,587	1,604,278	274,682	3,079,989
	Cases	5	167	42	9	223
	Rate	1.9	17.9	2.6	3.3	7.2
	Ratio (1 in X)	53,288	5,596	38,197	30,520	13,811

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	34	100.0%	29	85.3%	13	38.2%	29	85.3%	281
Men who have Sex with Men (MSM)	19	55.9%	15	78.9%	5	26.3%	15	78.9%	408
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--	--	--	--
Heterosexual Exposure (HET)	***	***	***	***	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	15		11	73.3%	4	26.7%	8	53.3%	360
Total	49		40	81.6%	17	34.7%	37	75.5%	302

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	24	100.0%	20	83.3%	8	33.3%	20	83.3%	347
Men who have Sex with Men (MSM)	19	79.2%	15	78.9%	5	26.3%	15	78.9%	408
Injection Drug Users (IDU)	0	0.0%	--	--	--	--	--	--	--
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--	--	--	--
Heterosexual Exposure (HET)	5	20.8%	5	100.0%	***	***	5	100.0%	149
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	8		6	75.0%	***	***	5	62.5%	418
Total	32		26	81.3%	11	34.4%	25	78.1%	369

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	10	100.0%	9	90.0%	5	50.0%	9	90.0%	123
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	7		5	71.4%	***	***	***	***	***
Total	17		14	82.4%	6	35.3%	12	70.6%	221

*** 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	19	100.0%	1.9	73.7%
Men who have Sex with Men (MSM)	8	42.1%	2.4	62.5%
Injection Drug Users (IDU)	0	0.0%	0.0	0.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	0.0	0.0%
Heterosexual Exposure (HET)	11	57.9%	1.6	81.8%
Other Exposures	0	0.0%	0.0	0.0%
No Reported Exposure	6		3.1	50.0%
Total	25		2.2	68.0%

Male Exposure Category	Adult/Adolescent AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	13	100.0%	2.6	69.2%
Men who have Sex with Men (MSM)	8	61.5%	2.4	62.5%
Injection Drug Users (IDU)	0	0.0%	0.0	0.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	0.0	0.0%
Heterosexual Exposure (HET)	5	38.5%	3.0	80.0%
Other Exposures	0	0.0%	0.0	0.0%
No Reported Exposure	5		2.7	60.0%
Total	18		2.6	66.7%

Female Exposure Category	Adult/Adolescent AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	6	100.0%	0.4	83.3%
Injection Drug Users (IDU)	0	0.0%	0.0	0.0%
Heterosexual Exposure (HET)	6	100.0%	0.4	83.3%
Other Exposures	0	0.0%	0.0	0.0%
No Reported Exposure	1		***	***
Total	7		1.0	71.4%

*** 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 to12 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 Total Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	164	100.0%	215	100.0%	379	100.0%
Men who have Sex with Men (MSM)	99	60.4%	89	41.4%	188	49.6%
Injection Drug Users (IDU)	13	7.9%	24	11.2%	37	9.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	3	1.8%	6	2.8%	9	2.4%
Heterosexual Exposure (HET)	48	29.3%	95	44.2%	143	37.7%
Other Exposures	1	0.6%	1	0.5%	2	0.5%
No Reported Exposure*	146		76	26.1%	222	36.9%
Total	310		291	100.0%	601	100.0%

Male Exposure Category	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Total Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	123	100.0%	143	100.0%	266	100.0%
Men who have Sex with Men (MSM)	99	80.5%	89	62.2%	188	70.7%
Injection Drug Users (IDU)	7	5.7%	14	9.8%	21	7.9%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	3	2.4%	6	4.2%	9	3.4%
Heterosexual Exposure (HET)	13	10.6%	34	23.8%	47	17.7%
Other Exposures	1	0.8%	0	0.0%	1	0.4%
No Reported Exposure	67		48	25.1%	115	30.2%
Total	190		191	100.0%	381	100.0%

Female Exposure Category	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Total Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	41	100%	72	100%	113	100
Injection Drug Users (IDU)	6	14.6%	10	13.9%	16	14.2
Heterosexual Exposure (HET)	35	85.4%	61	84.7%	96	85
Other Exposures	0	0.0%	1	1.4%	1	0.9
No Reported Exposure*	79		28	28.0%	107	48.6%
Total	120		100	100.0%	220	100.0%

* Includes 3 HIV cases without AIDS and 3 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	11	100.0%	250	100.0%	100	100.0%
Men who have Sex with Men (MSM)	5	45.5%	116	46.4%	60	60.0%
Injection Drug Users (IDU)	0	0.0%	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***
Heterosexual Exposure (HET)	***	***	103	41.2%	26	26.0%
Other Exposures	0	0.0%	2	0.8%	0	0.0%
No Reported Exposure*	7		164		50	
Total	18		414		150	

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	9	100.0%	170	100.0%	78	100.0%
Men who have Sex with Men (MSM)	5	55.6%	116	68.2%	60	76.9%
Injection Drug Users (IDU)	0	0.0%	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***
Heterosexual Exposure (HET)	***	***	34	20.0%	8	10.3%
Other Exposures	0	0.0%	1	0.6%	0	0.0%
No Reported Exposure	4		80		30	
Total	13		250		108	

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	2	100.0%	80	100.0%	22	100.0%
Injection Drug Users (IDU)	***	***	10	12.5%	***	***
Heterosexual Exposure (HET)	***	***	69	86.3%	***	***
Other Exposures	0	0.0%	1	1.3%	0	0.0%
No Reported Exposure*	3	60%	84		20	
Total	5		164		42	

* Includes 1 Hispanic case, 3 non-Hispanic black cases, and 2 non-Hispanic white cases with Presumed Female Heterosexual exposure

*** 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.

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	379	250	66.0%	573	10.0%	14.0%	16.8%	59.2%
Men who have Sex with Men (MSM)	188	119	63.3%	596	8.4%	8.4%	16.0%	67.2%
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	143	104	72.7%	563	14.4%	16.3%	15.4%	53.8%
Other Exposures	2	1	50.0%	520	0.0%	0.0%	0.0%	100.0%
No Reported Exposure*	222	124	55.9%	602	12.1%	11.3%	14.5%	62.1%
Total	601	374	62.2%	588	10.7%	13.1%	16.0%	60.2%

* Includes 6 cases with Presumed Female Heterosexual exposure

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

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	379	252	66.5%	77.4%	16,930
Men who have Sex with Men (MSM)	188	118	62.8%	75.4%	15,849
Injection Drug Users (IDU)	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***
Heterosexual Exposure (HET)	143	107	74.8%	77.6%	19,745
Other Exposures	2	1	50.0%	100.0%	--
No Reported Exposure*	222	125	56.3%	79.2%	5,960
Total	601	377	62.7%	78.0%	13,275

* Includes 6 cases with Presumed Female Heterosexual exposure

*** 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).

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.

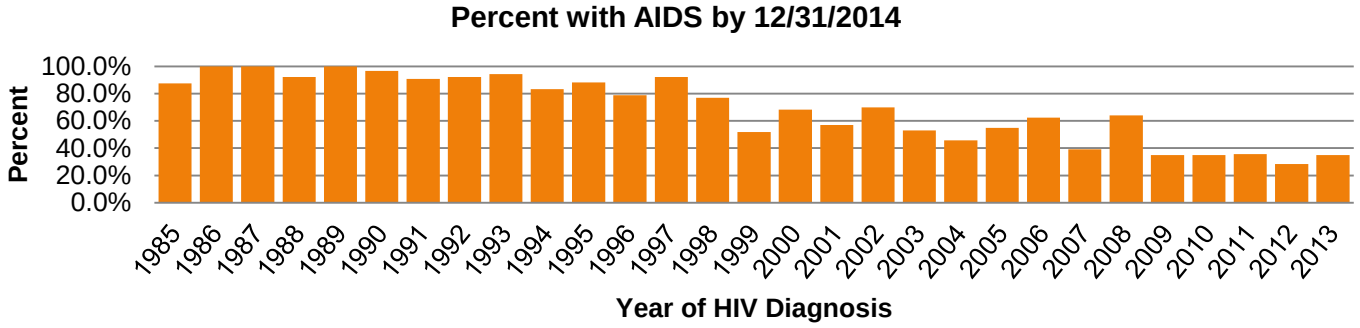
Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

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

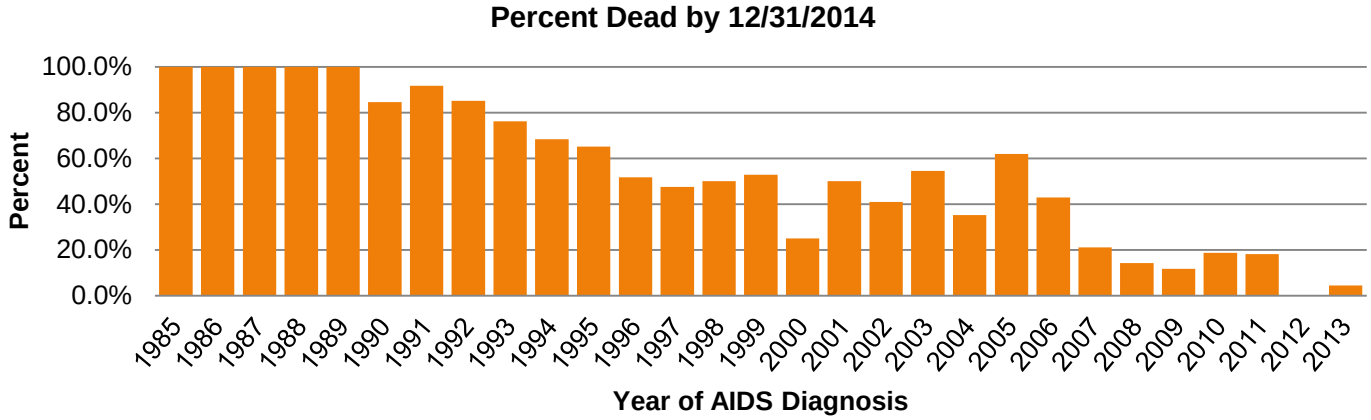
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/13 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2014 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis 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			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	2	2	100.0%	10.0	50.0%	50.0%	50.0%	50.0%
1985	8	7	87.5%	8.4	25.0%	25.0%	37.5%	62.5%
1986	12	12	100.0%	6.6	41.7%	41.7%	50.0%	66.7%
1987	16	16	100.0%	6.0	37.5%	37.5%	56.3%	81.3%
1988	13	12	92.3%	2.5	61.5%	61.5%	69.2%	92.3%
1989	21	21	100.0%	2.2	61.9%	61.9%	85.7%	95.2%
1990	30	29	96.7%	3.2	40.0%	50.0%	73.3%	93.3%
1991	22	20	90.9%	2.4	54.5%	59.1%	72.7%	90.9%
1992	26	24	92.3%	1.7	65.4%	65.4%	84.6%	88.5%
1993	18	17	94.4%	1.5	77.8%	83.3%	88.9%	88.9%
1994	24	20	83.3%	2.5	58.3%	66.7%	66.7%	75.0%
1995	34	30	88.2%	3.4	44.1%	47.1%	64.7%	79.4%
1996	33	26	78.8%	1.9	51.5%	60.6%	66.7%	75.8%
1997	26	24	92.3%	2.6	65.4%	65.4%	69.2%	84.6%
1998	26	20	76.9%	1.6	61.5%	65.4%	65.4%	73.1%
1999	27	14	51.9%	1.2	37.0%	40.7%	48.1%	51.9%
2000	22	15	68.2%	3.7	27.3%	31.8%	50.0%	63.6%
2001	28	16	57.1%	0.9	46.4%	46.4%	57.1%	57.1%
2002	30	21	70.0%	1.3	53.3%	56.7%	66.7%	70.0%
2003	34	18	52.9%	1.0	44.1%	44.1%	47.1%	52.9%
2004	35	16	45.7%	1.2	37.1%	40.0%	42.9%	45.7%
2005	40	22	55.0%	1.0	45.0%	45.0%	50.0%	--
2006	32	20	62.5%	1.0	50.0%	53.1%	56.3%	--
2007	46	18	39.1%	1.3	28.3%	30.4%	37.0%	--
2008	39	25	64.1%	1.0	51.3%	53.8%	59.0%	--
2009	40	14	35.0%	1.5	22.5%	22.5%	--	--
2010	40	14	35.0%	1.1	22.5%	27.5%	--	--
2011	28	10	35.7%	0.4	28.6%	35.7%	--	--
2012	46	13	28.3%	0.5	23.9%	28.3%	--	--
2013	43	15	34.9%	0.4	32.6%	--	--	--
Total	841	531	63.1%	2.1	42.8%	45.8%	53.6%	60.3%

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

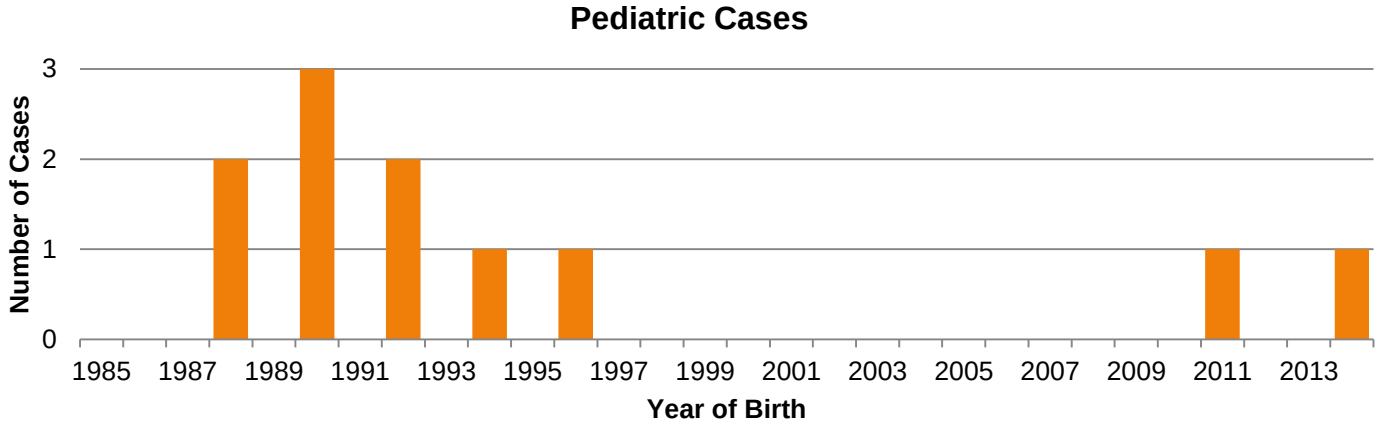


Year of HIV Diagnosis	Adult/Adolescent Reported AIDS Diagnoses							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	1	1	100.0%	0.0	0.0%	0.0%	0.0%	0.0%
1985	1	1	100.0%	2.9	100.0%	100.0%	0.0%	0.0%
1986	5	5	100.0%	1.1	40.0%	20.0%	0.0%	0.0%
1987	6	6	100.0%	2.5	50.0%	16.7%	16.7%	16.7%
1988	8	8	100.0%	2.3	62.5%	50.0%	12.5%	0.0%
1989	14	14	100.0%	2.1	85.7%	50.0%	0.0%	0.0%
1990	13	11	84.6%	3.6	76.9%	61.5%	38.5%	23.1%
1991	12	11	91.7%	2.4	83.3%	58.3%	16.7%	8.3%
1992	27	23	85.2%	3.0	85.2%	59.3%	22.2%	22.2%
1993	21	16	76.2%	1.7	71.4%	47.6%	28.6%	23.8%
1994	19	13	68.4%	3.2	89.5%	52.6%	47.4%	42.1%
1995	23	15	65.2%	3.1	73.9%	56.5%	52.2%	43.5%
1996	29	15	51.7%	4.9	86.2%	79.3%	72.4%	58.6%
1997	21	10	47.6%	6.5	81.0%	81.0%	81.0%	61.9%
1998	24	12	50.0%	6.1	83.3%	83.3%	79.2%	62.5%
1999	17	9	52.9%	5.7	88.2%	88.2%	70.6%	58.8%
2000	16	4	25.0%	7.8	100.0%	100.0%	87.5%	81.3%
2001	16	8	50.0%	5.1	87.5%	81.3%	68.8%	62.5%
2002	22	9	40.9%	2.6	86.4%	81.8%	63.6%	59.1%
2003	22	12	54.5%	4.8	81.8%	77.3%	68.2%	63.6%
2004	17	6	35.3%	3.0	82.4%	76.5%	76.5%	64.7%
2005	21	13	61.9%	4.5	81.0%	76.2%	66.7%	--
2006	28	12	42.9%	2.5	82.1%	82.1%	64.3%	--
2007	19	4	21.1%	1.1	84.2%	84.2%	78.9%	--
2008	28	4	14.3%	1.7	92.9%	92.9%	85.7%	--
2009	17	2	11.8%	1.7	94.1%	94.1%	--	--
2010	16	3	18.8%	0.7	87.5%	81.3%	--	--
2011	11	2	18.2%	2.1	90.9%	90.9%	--	--
2012	20	0	0.0%	0.0	100.0%	100.0%	--	--
2013	22	1	4.5%	0.5	95.5%	--	--	--
Total	516	250	48.4%	3.5	84.5%	75.8%	63.4%	56.4%

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	1	0	0	0	
1985	0	0	0	0	0
1986	0	0	0	0	0
1987	0	0	0	0	0
1988	2	1	1	0	0
1989	0	0	0	0	0
1990	3	1	0	0	1
1991	0	0	0	0	1
1992	2	1	0	0	2
1993	0	0	0	0	2
1994	1	3	3	0	4
1995	0	0	0	1	3
1996	1	2	2	1	4
1997	0	0	0	0	4
1998	0	0	1	0	4
1999	0	0	0	1	3
2000	0	0	0	0	3
2001	0	0	0	0	4
2002	0	1	0	0	5
2003	0	0	0	0	5
2004	0	0	0	0	5
2005	0	0	0	0	5
2006	0	0	0	0	5
2007	0	1	0	0	6
2008	0	0	0	0	6
2009	0	0	0	0	6
2010	0	0	0	1	5
2011	1	1	1	0	6
2012	0	0	0	0	6
2013	0	0	0	1	5
2014	1	1	0	0	6
Total	12	12	8	5	

Table 24 – Pediatric HIV 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
Calvert	2	33.3%
Charles	3	50.0%
Saint Mary's	1	16.7%
Total	6	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 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	3	50.0%
Female	3	50.0%
Total	6	100.0%

Race/Ethnicity	Pediatric Total Living HIV Cases	
	No.	% of Total
Hispanic	0	0.0%
Non-Hispanic	6	100.0%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	5	83.3%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	1	16.7%
Multiracial/Other	0	0.0%
Total	6	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 child bearing age (13-49 years old) on December 31st of the specified year