



COLORADO

Department of Public Health & Environment

Colorado HIV Surveillance Semiannual Report 4th Quarter 2014

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Publication Schedule: This report reflects events occurring through December 31, 2014, and reported by December 31, 2014, unless otherwise stated. Reports are published twice a year.

To receive this report via e-mail, send an e-mail request to: cdphe_stihvdatarequest@state.co.us

The HIV Surveillance Report is accessible via internet:

<https://www.colorado.gov/pacific/cdphe/hiv-surveillance-quarterly-reports>

HIV in Colorado: An Overview

- In Colorado, the first case of AIDS was diagnosed in 1982.
- More than 19,100 people in Colorado have been diagnosed with HIV disease. Over 6,100 people have died as a result of the disease.
- In the last five years (2010-2014), 2,277 new diagnoses of HIV infection were reported in Colorado. Overall, 30 percent of these newly diagnosed cases were late stage diagnoses, stage 3 (AIDS), and had a CD4 count < 200 cells / μ L on their first CD4 test.
- By the end of 2014, more than 12,900 people were reported to be living with HIV across Colorado.
- Treatment for HIV disease is both effective and widely available. Most people with HIV survive long after diagnosis.



HOW HIV/AIDS SURVEILLANCE WORKS IN COLORADO

Health care providers, laboratories, and local health departments are required by law to report HIV- and AIDS-related information according to the requirements listed below. Identifying and reporting new HIV cases helps state and local health departments develop programs that reduce the spread of HIV. Case reporting also helps assure that people living with HIV receive treatment as early as possible, and that partners who have been exposed to the virus receive HIV testing. Federal funding for HIV prevention and treatment is based on case counts. Our state benefits the most when HIV surveillance is complete, accurate and timely. Copies of the case report form can be found at the Colorado Department of Public Health and Environment website: <https://www.colorado.gov/pacific/cdphe/sti-and-hiv-contractor-and-provider-resources>. **Fax** the completed form to: 303-782-5393

For federal funding purposes, all states and territories count HIV/AIDS cases in the same manner. An individual gets counted as an HIV case in the county in which he/she is residing at the time of his/her initial HIV diagnosis (not including a diagnosis made from an anonymous test). Once that person progresses to AIDS, he/she is counted as an AIDS case in the county in which he/she is residing at the time of his/her AIDS diagnosis. An AIDS case is no longer counted as an HIV case. States are continually working with each other to ensure that cases are counted in only one state. Once a person is diagnosed with AIDS, he/she remains an AIDS case even if his/her health later improves. Within Colorado, county-level case counts can go down if we learn that a person's earliest diagnosis of HIV or AIDS actually occurred while he/she resided in another state or county. Also, a county's HIV case count can go down over time if their HIV cases progress to AIDS while residing outside the county.

For epidemiologic purposes, it is helpful to evaluate all cases of HIV and AIDS as part of one combined group: people who have been diagnosed with HIV disease. For this report, geographic assignment of a new HIV case is based on residence at the time of a person's initial HIV diagnosis, regardless of whether he/she later progressed to AIDS. Living cases are presumed to be in the same place they resided when their most recent diagnosis of HIV or AIDS occurred.

HIV/AIDS Reporting Requirements:

REPORTING	ITEM TO REPORT	TIMELINE	TO WHOM
Health care providers	HIV or AIDS diagnosis	7 days	State or local health department
Health care facilities	HIV or AIDS diagnosis	7 days	State or local health department
Laboratories	Any test result that indicates HIV infection (including a positive Western blot); All CD4 results (absolute and %); All HIV viral load results	7 days	State health department
Local health departments	HIV and AIDS	7 days	State health department

DEFINITIONS

AIDS: Acquired Immune Deficiency Syndrome. An advanced stage of HIV disease which is defined by the existence of certain opportunistic illnesses or other clinical outcomes. The presence of AIDS usually suggests that a person has been HIV-positive for many years.

Case: A person with HIV disease who has been diagnosed and reported to the health department while living in Colorado. This report does not describe the results of anonymous HIV testing.

Case Rate: The number of reported cases divided by the number of people residing in a given area and presumed to be at risk for disease, based on population estimates. In this report, rates are described as cases per 100,000 residents.

CD4 Count: The concentration of a certain type of white blood cell circulating within a person's body. CD4 count provides a good indication of a patient's stage of HIV illness.

Confidence Interval (CI): A range of values within which the true value is likely to exist. In this report, we use 95% confidence intervals to describe the reliability of disease rates.

Cumulative HIV cases: The total number of HIV cases ever reported, as of a specific point in time. Cumulative cases include people who are both living and deceased.

Exposure category: The manner in which a case was most likely to have been infected by HIV, based on reported risk behaviors. Categories are arranged in a hierarchy. A case can only be assigned to one exposure category at any given time.

Foreign-born: This term is used to describe people born outside the United States. If information about country of birth is missing, a case is presumed to be foreign-born.

Gender: A person's sex at birth, either male or female.

HIV: Human Immunodeficiency Virus. The virus that causes HIV disease, including AIDS.

HIV/AIDS deaths: Deaths caused by HIV or AIDS. We use death certificate information to determine whether HIV or AIDS was a contributing factor in a patient's death.

HIV diagnosis date: The earliest, documented date when a person was diagnosed with HIV disease, with or without AIDS.

HIV Incidence: The number of people newly infected with HIV during a specified time period, often a calendar year. We can only estimate HIV incidence. This report does not include estimates of HIV incidence.

HIV Prevalence: The total number of people living with HIV disease at a specific point in time. We can only estimate HIV prevalence. This report does not include estimates of HIV prevalence.

HIV Surveillance: The ongoing and systematic collection, evaluation and dissemination of population-based information about people diagnosed with HIV disease.

Late HIV Diagnosis: This describes the event in which a case is diagnosed with AIDS within 12 months of HIV diagnosis. A late HIV diagnosis indicates that a person was probably not getting routinely tested for HIV before the diagnosis occurred.

Living HIV Case: A case of HIV disease that has been reported to the health department and is presumed living in Colorado at a specific point in time. A living HIV case can also be described as a prevalent HIV case.

New HIV Case: A newly diagnosed case of HIV disease, with or without AIDS, that has been diagnosed while living in Colorado.

Reporting delay: This refers to the length of time between when a case is diagnosed and when the case is reported to the health department. In Colorado, most cases are reported within 6 months.

Viral Load: This is the concentration of viral copies circulating within a person's body. Viral load is a good indication of whether a person is receiving effective treatment for HIV disease.

Figure 1. New HIV diagnoses, deaths, and prevalence by year, 2000-2014, Colorado

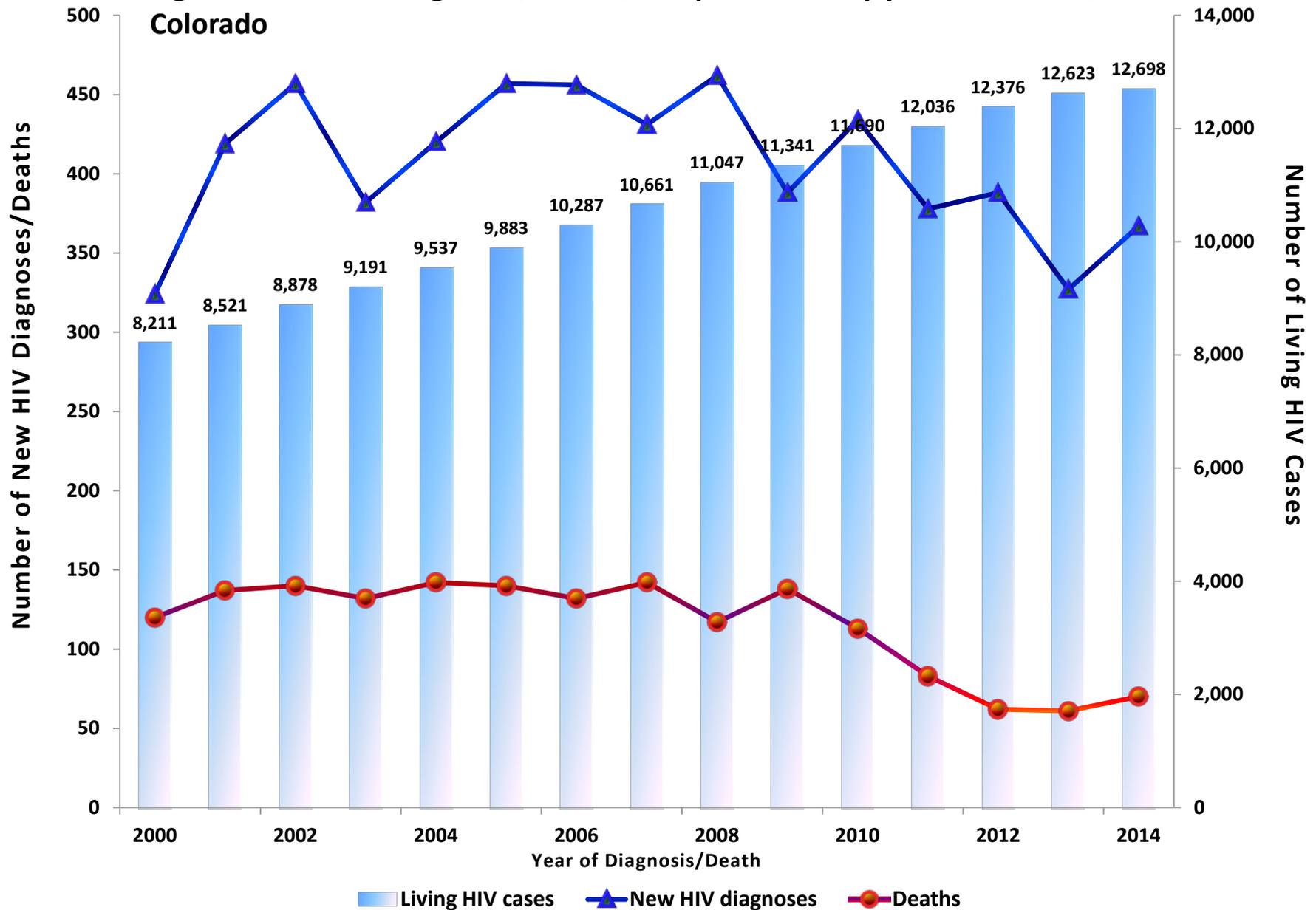


Table 1. New HIV Cases

Year of HIV diagnosis	Newly Diagnosed Cases of HIV Disease							Late HIV Diagnoses	
	2010	2011	2012	2013	2014	2010-2014		2010-2014 [^]	
	No.	No.	No.	No.	No.	No.	%	Rate [‡]	%
Total	434	378	388	327	367	1894	100	7.4	32%
Gender									
Male	372	325	328	283	316	1624	86%	12.7	33%
Female	62	53	60	44	51	270	14%	2.1	27%
Age at HIV Diagnosis									
Under 13 years	8	7	6	5	2	28	1%	0.6	21%
13-19 years	11	7	8	6	13	45	2%	1.9	11%
20-29 years	132	113	142	108	121	616	33%	16.7	20%
30-39 years	110	102	112	90	107	521	28%	14.5	32%
40-49 years	104	91	81	80	83	439	23%	12.2	43%
50-59 years	53	46	28	26	26	179	9%	5.0	49%
60-69 years	14	7	9	11	11	52	3%	1.6	56%
70 years and over	2	5	2	1	4	14	1%	0.7	67%
Race and Hispanic Origin									
White, not Hispanic	233	204	192	158	175	962	51%	5.3	31%
Black, not Hispanic	93	56	69	60	70	348	18%	34.2	28%
Hispanic (All Races)	90	106	114	96	110	516	27%	9.9	38%
Asian/Pacific Islander	10	6	6	8	6	36	2%	4.8	29%
Amer. Indian/Alaska Native	3	5	5	2	2	17	1%	8.0	25%
Multiple Race	5	1	2	3	4	15	1%	---	33%
Exposure Category - All									
Male-male sex (MSM)	268	240	245	212	225	1190	63%	---	30%
Injection Drug Use (IDU)	12	20	13	11	11	67	4%	---	40%
MSM & IDU	31	22	23	5	16	97	5%	---	19%
Heterosexual contact	75	38	46	41	25	225	12%	---	33%
Pediatric*	8	7	6	5	3	29	2%	---	28%
Transfusion/Hemophiliac	0	0	0	0	0	0	0.0%	---	---
No Identified Risk/Other	40	51	55	53	87	286	15%	---	45%
Exposure Category - Female									
Injection Drug Use (IDU)	2	9	6	3	4	24	9%	---	32%
Heterosexual contact	46	25	34	25	19	149	55%	---	25%
Pediatric*	4	2	4	1	3	14	5%	---	22%
Transfusion/Hemophiliac	0	0	0	0	0	0	0.0%	---	---
No Identified Risk/Other	10	17	16	15	25	83	31%	---	30%

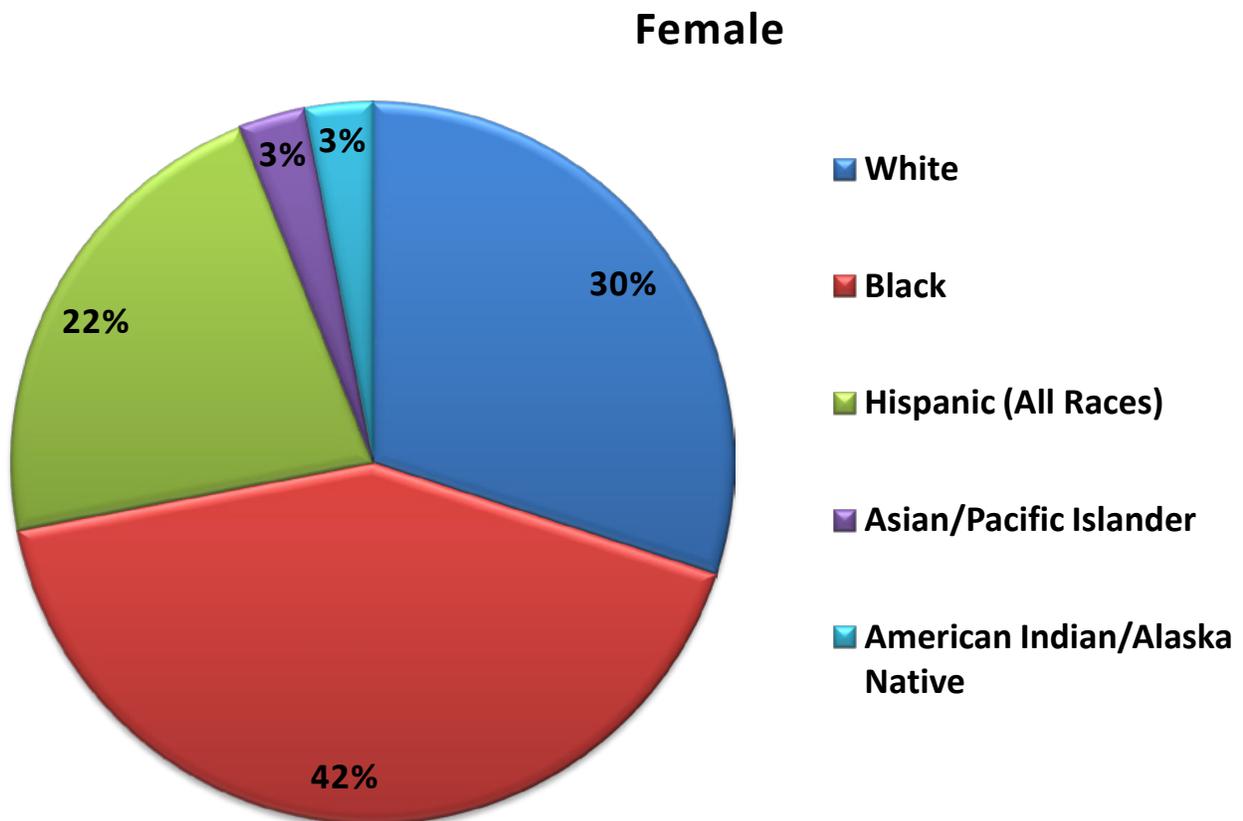
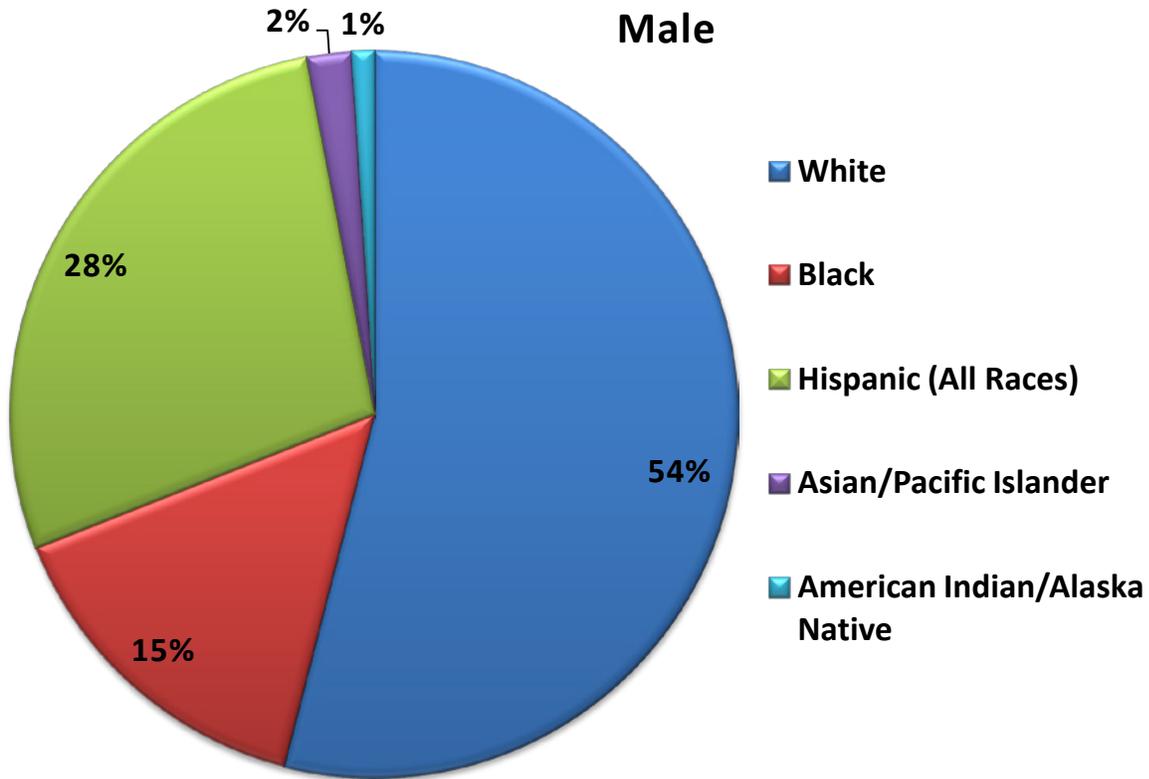
* Pediatric cases are individuals under age 13 years at the time of HIV or AIDS diagnosis.

‡ 2009-2013 population estimate used in calculating the rates

[^] Late HIV diagnoses based on new HIV cases diagnosed between 2010 and 2014.

All HIV/AIDS surveillance data reported to the Colorado Department of Public Health & Environment as of December 31, 2014.

Figure 2. New HIV Cases by Gender and Race/Ethnicity, 2009-2014



STATISTICS: NEW HIV CASES (continued)

Table 1b. First CD4 Test[†] Results among New HIV Cases, 2010-2014

CD4 count, cells/ μ L:	Stage of Infection at HIV Diagnosis (among cases with CD4 information)				Median CD4 Count	Cases with CD4 Information		Total Cases
	≥ 500	350-499	200-349	< 200		No.	% of Total	
	%	%	%	%	cells/ μ L			No.
Total	28%	22%	21%	30%	347	1,913	84%	2,277
Gender								
Male	27%	22%	21%	30%	344	1,653	84%	1,962
Female	35%	18%	20%	27%	384	260	83%	315
Age at HIV Diagnosis								
< 13	71%	19%	10%	0%	733	21	55%	38
13-24	33%	30%	20%	16%	419	338	79%	429
25-34	33%	23%	21%	22%	388	635	83%	768
35-44	23%	18%	21%	37%	291	465	87%	532
45-54	20%	17%	20%	43%	260	333	89%	373
55+	15%	13%	19%	53%	197	121	88%	137
Race and Hispanic Origin								
White, not Hispanic	29%	23%	20%	28%	365	1,004	86%	1,167
Black, not Hispanic	29%	21%	23%	26%	356	329	77%	430
Hispanic (All Races)	24%	19%	21%	36%	298	505	87%	580
Asian/Pacific Islander	20%	22%	27%	32%	297	41	85%	48
Amer. Indian/Alaska Native	19%	38%	6%	38%	392	16	57%	28
Multiple Race	50%	0%	17%	33%	437	18	75%	24
Exposure Category by Gender								
Male only:								
Male-male sex (MSM)	28%	24%	21%	27%	361	1,240	86%	1,443
Injection Drug Use (IDU)	20%	20%	15%	46%	273	46	87%	53
MSM & IDU	41%	21%	24%	14%	456	103	85%	121
Heterosexual contact	18%	13%	19%	49%	214	67	77%	87
Pediatric [‡]	69%	15%	8%	8%	691	13	57%	23
Transfusion/Hemophiliac	--	--	--	--	--	0	--	0
No Identified Risk/Other	13%	13%	18%	57%	165	184	78%	235
Female only:								
Injection Drug Use (IDU)	38%	4%	27%	31%	313	26	93%	28
Heterosexual contact	35%	23%	16%	25%	400	146	85%	172
Pediatric	67%	20%	7%	7%	769	15	65%	23
Transfusion/Hemophiliac	--	--	--	--	--	0	--	0
No Identified Risk/Other	27%	14%	26%	33%	270	73	79%	92

[†]Among Males, the median days between first CD4 test date and HIV diagnosis date is 8 days. For 90% percent of Males, the first CD4 test date was no more than 90 days from HIV diagnosis date. Among Females, the median days between first CD4 test date and HIV diagnosis date is 14 days. For 88% percent of Females, the first CD4 test date was no more than 90 days from HIV diagnosis date. All first CD4 test dates were within 1 year of HIV diagnosis dates.

[‡]Pediatric cases are individuals under age 13 years at the time of HIV diagnosis.

All HIV/AIDS surveillance and laboratory data reported to the Colorado Department of Public Health & Environment as of December 31, 2014.

STATISTICS: NEW HIV CASES (continued)

Table 1c. First CD4 Test Results among New HIV Cases, by County and Combined Local Health District, 2010-2014

CD4 count, cells/ μ L:	Stage of Infection at HIV Diagnosis (among cases with CD4 information)				Median CD4 Count cells/ μ L	Cases with CD4 Information		Total Cases No.
	≥ 500	350-499	200-349	< 200		No.	% of Total	
	%	%	%	%				
Total	28%	22%	21%	30%	347	1,913	84%	2,277
Adams Co.	27%	19%	21%	33%	321	191	87%	219
Alamosa Co.	0%	0%	33%	67%	72	3	75%	4
Arapahoe Co.	30%	23%	18%	29%	376	282	86%	327
Archuleta Co.	0%	0%	0%	0%	---	0	0%	1
Baca Co.	0%	0%	0%	0%	---	0	---	0
Bent Co.	0%	100%	0%	0%	366	1	100%	1
Boulder Co.	27%	14%	18%	41%	323	49	75%	65
Broomfield Co.	20%	40%	20%	20%	432	5	83%	6
Chaffee Co.	0%	33%	33%	33%	227	3	100%	3
Cheyenne Co.	0%	0%	0%	100%	20	1	100%	1
Clear Creek Co.	0%	0%	0%	100%	34	2	100%	2
Conejos Co.	0%	0%	50%	50%	124	2	100%	2
Costilla Co.	33%	33%	0%	33%	396	3	75%	4
Crowley Co.	0%	0%	0%	0%	---	0	---	0
Custer Co.	0%	0%	0%	0%	---	0	---	0
Delta Co.	0%	0%	100%	0%	260	2	100%	2
Denver Co.	31%	23%	22%	23%	377	771	88%	877
Dolores Co.	0%	0%	0%	100%	34	1	100%	1
Douglas Co.	18%	27%	23%	32%	283	44	86%	51
Eagle Co.	14%	29%	14%	43%	300	14	88%	16
El Paso Co.	27%	19%	20%	35%	341	153	73%	210
Elbert Co.	0%	40%	60%	0%	267	5	83%	6
Fremont Co.	22%	11%	11%	56%	184	9	56%	16
Garfield Co.	36%	18%	9%	36%	388	11	85%	13
Gilpin Co.	0%	0%	100%	0%	340	1	100%	1
Grand Co.	0%	0%	100%	0%	332	1	100%	1
Gunnison Co.	0%	100%	0%	0%	430	2	100%	2
Hinsdale Co.	0%	0%	0%	0%	---	0	---	0
Huerfano Co.	0%	50%	0%	50%	238	2	100%	2
Jackson Co.	0%	0%	0%	100%	189	1	100%	1

[†] Among Males, the median days between first CD4 test date and HIV diagnosis date is 8 days. For 90% percent of Males, the first CD4 test date was no more than 90 days from HIV diagnosis date. Among Females, the median days between first CD4 test date and HIV diagnosis date is 14 days. For 88% percent of Females, the first CD4 test date was no more than 90 days from HIV diagnosis date. All first CD4 test dates were within 1 year of HIV diagnosis dates.

All HIV/AIDS surveillance and laboratory data reported to the Colorado Department of Public Health & Environment as of December 31, 2014.

STATISTICS: NEW HIV CASES (continued)

Table 1d. First CD4 Test Results among New HIV Cases, by County and Combined Local Health District, 2010-2014, continued

CD4 count, cells/μL:	Stage of Infection at HIV Diagnosis (among cases with CD4 information)				Median CD4 Count cells/μL	Cases with CD4 Information		Total Cases No.
	≥ 500	350-499	200-349	< 200		No.	% of Total	
	%	%	%	%				
Jefferson Co.	26%	21%	15%	38%	332	130	88%	147
Kiowa Co.	0%	0%	0%	0%	---	0	---	0
Kit Carson Co.	100%	0%	0%	0%	792	1	100%	1
La Plata Co.	0%	60%	0%	40%	391	5	63%	8
Lake Co.	0%	0%	0%	100%	94	2	67%	3
Larimer Co.	30%	19%	27%	24%	346	37	70%	53
Las Animas Co.	0%	33%	0%	67%	196	3	100%	3
Lincoln Co.	0%	0%	0%	100%	41	1	100%	1
Logan Co.	0%	0%	0%	0%	---	0	---	0
Mesa Co.	29%	25%	8%	38%	378	24	80%	30
Mineral Co.	0%	0%	0%	0%	---	0	---	0
Moffat Co.	0%	0%	100%	0%	334	1	100%	1
Montezuma Co.	0%	0%	0%	100%	184	1	100%	1
Montrose Co.	0%	0%	50%	50%	122	2	50%	4
Morgan Co.	0%	0%	0%	0%	---	0	0%	1
Otero Co.	33%	67%	0%	0%	491	3	100%	3
Ouray Co.	0%	0%	0%	0%	---	0	---	0
Park Co.	0%	50%	0%	50%	339	2	100%	2
Phillips Co.	0%	0%	0%	100%	40	1	100%	1
Pitkin Co.	0%	0%	75%	25%	219	4	80%	5
Prowers Co.	0%	0%	0%	0%	---	0	---	0
Pueblo Co.	23%	26%	32%	19%	349	31	76%	41
Rio Blanco Co.	0%	0%	0%	100%	52	2	100%	2
Rio Grande Co.	0%	0%	67%	33%	279	3	100%	3
Routt Co.	0%	33%	33%	33%	233	3	100%	3
Saguache Co.	0%	0%	0%	0%	---	0	---	0
San Juan Co.	0%	0%	0%	100%	44	1	100%	1
San Miguel Co.	0%	0%	100%	0%	298	1	100%	1
Sedgwick Co.	0%	0%	0%	0%	---	0	---	0
Summit Co.	29%	29%	14%	29%	364	7	100%	7
Teller Co.	0%	0%	0%	100%	20	3	100%	3
Washington Co.	0%	0%	0%	0%	---	0	---	0
Weld Co.	20%	16%	16%	48%	224	44	88%	50
Yuma Co.	33%	33%	0%	33%	353	3	100%	3
TriCounty †	28%	22%	20%	31%	346	517	87%	597
Diagnosed in another state then moved to Colorado (in-migrants)	26%	15%	13%	46%	237	39	60%	65
STATEWIDE TOTAL	28%	22%	21%	30%	347	1,913	84%	2,277

† Among Males, the median days between first CD4 test date and HIV diagnosis date is 8 days. For 90% percent of Males, the first CD4 test date was no more than 90 days from HIV diagnosis date. Among Females, the median days between first CD4 test date and HIV diagnosis date is 14 days. For 88% percent of Females, the first CD4 test date was no more than 90 days from HIV diagnosis date. All first CD4 test dates were within 1 year of HIV diagnosis dates.

† Not included in Total Cases. TriCounty Health Department is Adams, Arapahoe and Douglas counties.

All HIV/AIDS surveillance and laboratory data reported to the Colorado Department of Public Health & Environment as of December 31, 2014.

Figure 3. Persons Living with HIV Disease in Colorado, 2005 - 2014

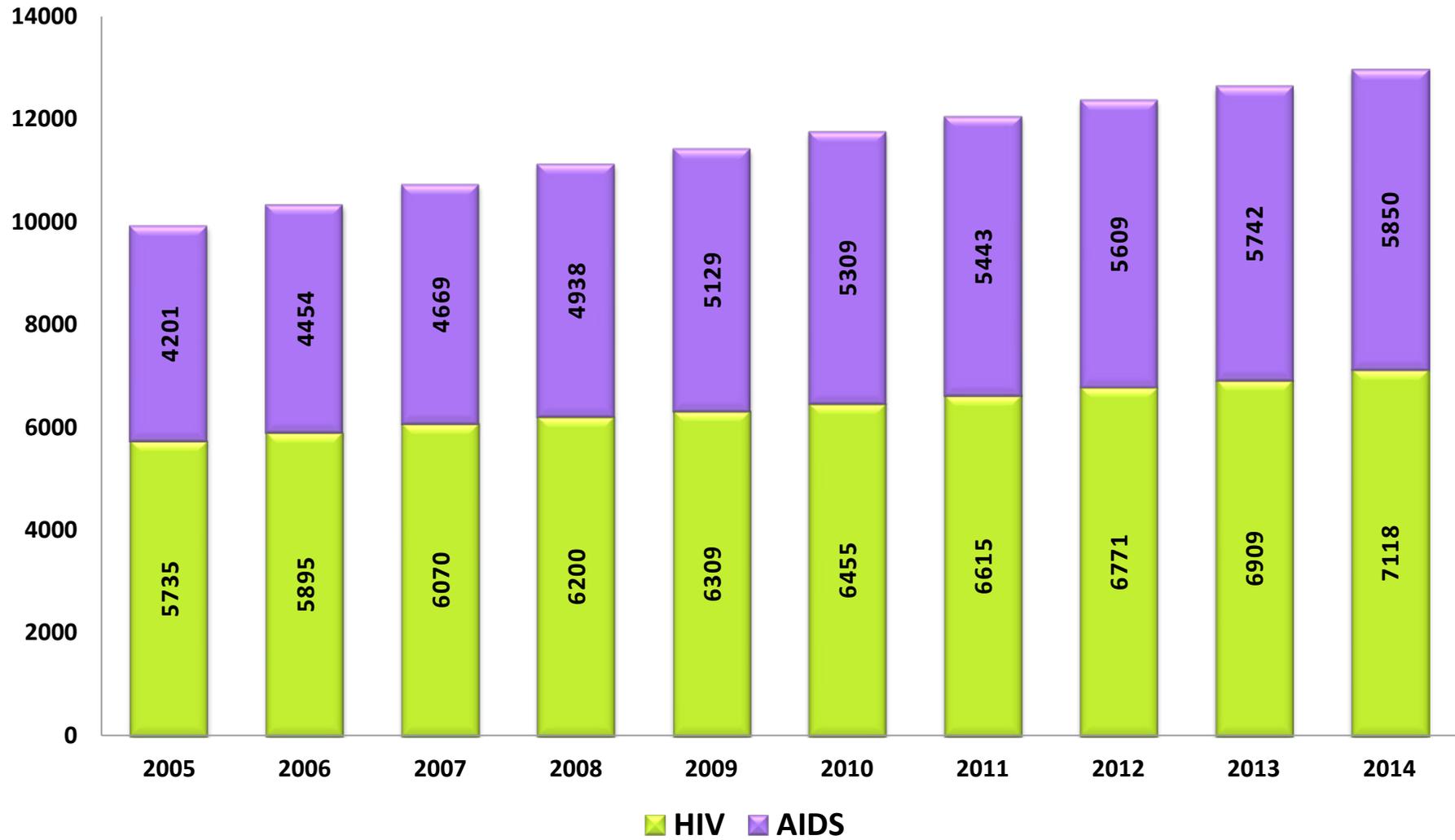


Table 2. People Living with HIV Disease as of December 31, 2014

	HIV (not AIDS)			AIDS			All Cases of HIV		Disease
	No.	%	Rate	No.	%	Rate	%	Rate [‡]	
Total	7,118	100%	135	5,850	100%	111	12,968	100%	246
Gender									
Male	6,272	88%	237	5,144	88%	194	11,416	88%	431
Female	846	12%	32	706	12%	27	1,552	12%	59
Current age*									
Under 13	37	1%	4	9	0.2%	1	46	0.4%	5
13-19	33	0.5%	7	5	0.1%	1	38	0.3%	8
20-29	584	8%	76	222	4%	29	806	6%	105
30-39	1,202	17%	162	745	13%	101	1,947	15%	263
40-49	1,684	24%	238	1,784	30%	253	3,468	27%	491
50-59	2,269	32%	312	2,057	35%	283	4,326	33%	595
60-69	1,064	15%	199	854	15%	160	1,918	15%	360
70-79	209	3%	81	148	3%	57	357	3%	138
80 and over	36	1%	23	26	0.4%	17	62	0.5%	40
Years Since HIV Diagnosis									
0-4	1,336	19%	---	658	11%	---	1,994	15%	---
5-9	1,297	18%	---	1,047	18%	---	2,344	18%	---
10-14	915	13%	---	1,110	19%	---	2,025	16%	---
15-19	695	10%	---	1,108	19%	---	1,803	14%	---
20-24	1,040	15%	---	1,123	19%	---	2,163	17%	---
25+	1,835	26%	---	804	14%	---	2,639	20%	---
Race and Hispanic Origin									
White, not Hispanic	4,656	74%	127	3,399	58%	93	8,055	62%	220
Black, not Hispanic	1,053	17%	516	972	17%	476	2,025	16%	992
Hispanic (All Races)	1,190	19%	107	1,323	23%	119	2,513	19%	227
Asian / Pacific Islander	83	1%	52	60	1%	38	143	1%	90
Amer. Indian/Alaska Native	44	1%	130	50	1%	148	94	1%	278
Multiple Race/Unknown	92	1%	---	46	1%	---	138	1%	---
Exposure Category by Gender									
Male only									
Male-male sex (MSM)	4698	75%	---	3642	71%	---	8,340	73%	---
Injection Drug Use (IDU)	269	4%	---	327	6%	---	596	5%	---
MSM & IDU	547	9%	---	521	10%	---	1,068	9%	---
Heterosexual contact	187	3%	---	276	5%	---	463	4%	---
Pediatric [^]	28	0.4%	---	26	0.5%	---	54	0.5%	---
Transfusion/Hemophiliac	7	0.1%	---	23	0.4%	---	30	0.3%	---
No Identified Risk	537	9%	---	328	6%	---	865	8%	---
Female only			---			---			---
Injection Drug Use (IDU)	139	16%	---	148	21%	---	287	18%	---
Heterosexual contact	467	55%	---	400	57%	---	867	56%	---
Pediatric	33	4%	---	18	3%	---	51	3%	---
Transfusion/Hemophiliac	3	0.4%	---	5	1%	---	8	1%	---
No Identified Risk	204	24%	---	135	19%	---	339	22%	---

‡ 2013 Census population estimate used in calculating the rates

* Current age as of December 31, 2014

[^] Pediatric cases are individuals under age 13 years at the time of HIV or AIDS diagnosis.

Presumed Colorado residence based on most recent data available. No exclusions based on HIV lab tests.

All HIV/AIDS surveillance data reported to the Colorado Department of Public Health and Environment as of December 31, 2014.

Figure 4. Living HIV Case Rates by Race/Ethnicity and Gender, as of December 31, 2014

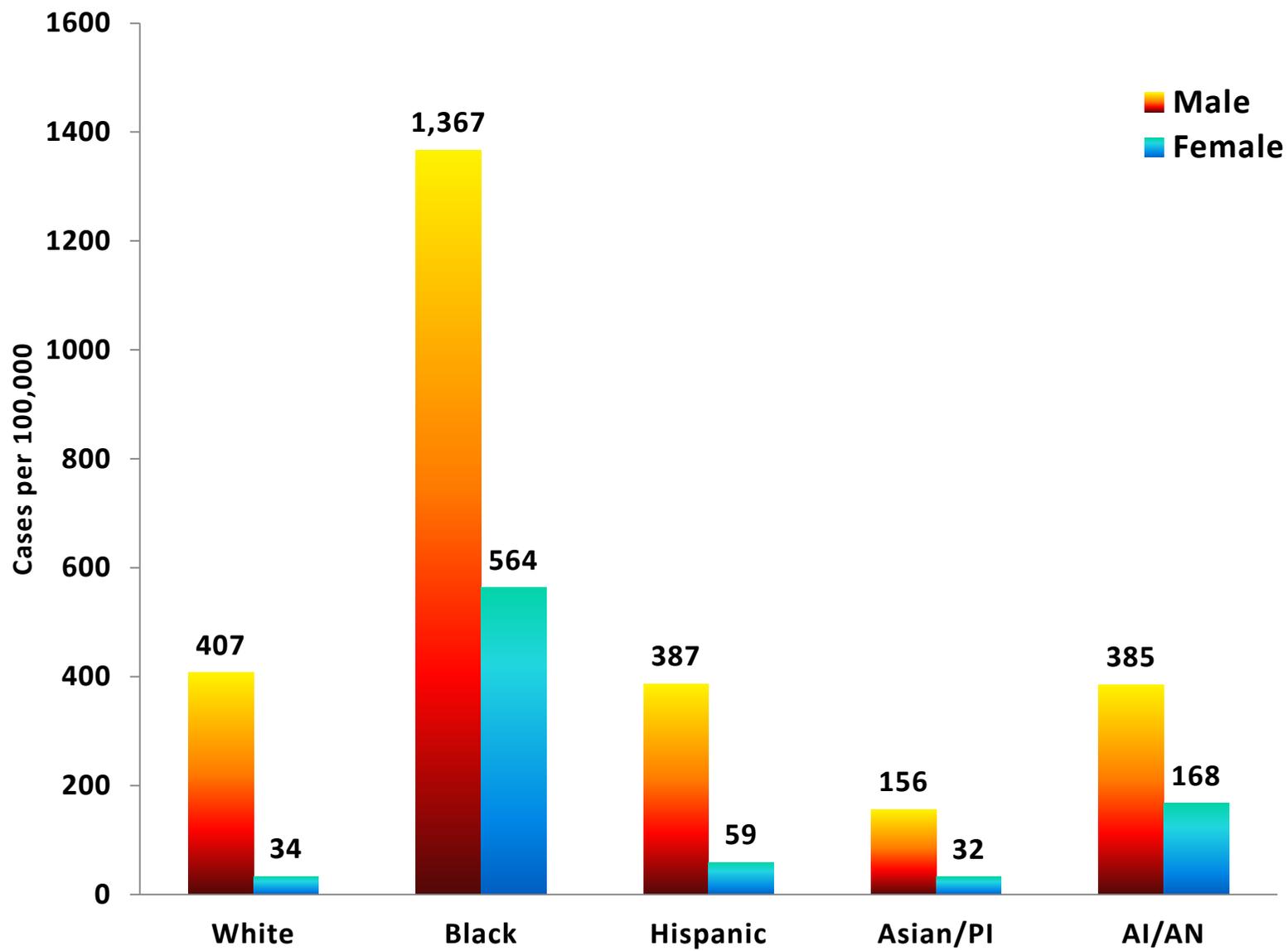


Table 3. People Living with HIV Disease as of December 31, 2014

Exposure Category	White		Black		All Hispanic		Asian / Pacific Islander		American Indian/ Alaska Native		Multiple/ Unknown	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Males:												
Male-male sex (MSM)	5,814	78%	825	55%	1,527	70%	69	61%	39	59%	66	55%
Injection Drug Use (IDU)	294	4%	135	9%	147	7%	8	7%	5	8%	7	6%
MSM & IDU	774	10%	104	7%	160	7%	7	6%	15	23%	8	7%
Heterosexual contact	117	2%	219	15%	109	5%	13	12%	2	3%	3	3%
Pediatric [^]	17	0.2%	30	2%	7	0.3%	0	0%	0	0%	0	0%
Transfusion/Hemophiliac	24	0.3%	4	0.3%	2	0.1%	0	0%	0	0%	0	0%
No Identified Risk/Other	399	5%	170	11%	240	11%	16	14%	5	8%	35	29%
Total Males	7,439		1,487		2,192		113		66		119	
Exposure Category												
Females:												
Injection Drug Use (IDU)	160	26%	61	11%	54	17%	0	0%	8	29%	4	21%
Heterosexual contact	316	51%	334	62%	175	55%	22	73%	13	46%	7	37%
Pediatric [^]	11	2%	31	6%	6	2%	1	3%	1	4%	1	5%
Transfusion/Hemophiliac	5	1%	1	0.2%	2	1%	0	0%	0	0%	0	0%
No Identified Risk/Other	124	20%	111	21%	84	26%	7	23%	6	21%	7	37%
Total Females	616		538		321		30		28		19	

[^] Pediatric cases are individuals under age 13 years at the time of HIV or AIDS diagnosis.

Presumed Colorado residence based on most recent data available. No exclusions based on HIV lab tests.

All HIV/AIDS surveillance data reported to the Colorado Department of Public Health and Environment as of December 31, 2014.

Figure 5a. Living HIV Cases by Age at HIV Diagnosis, as of December 31, 2014

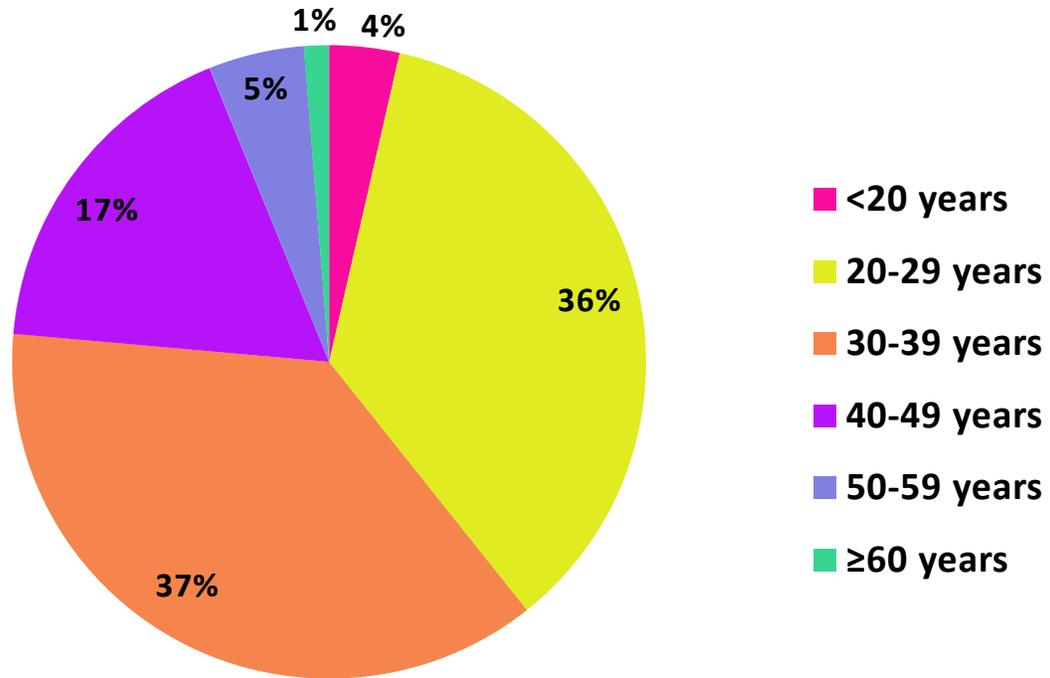


Figure 5b. Living HIV Cases by Current Age, as of December 31, 2014

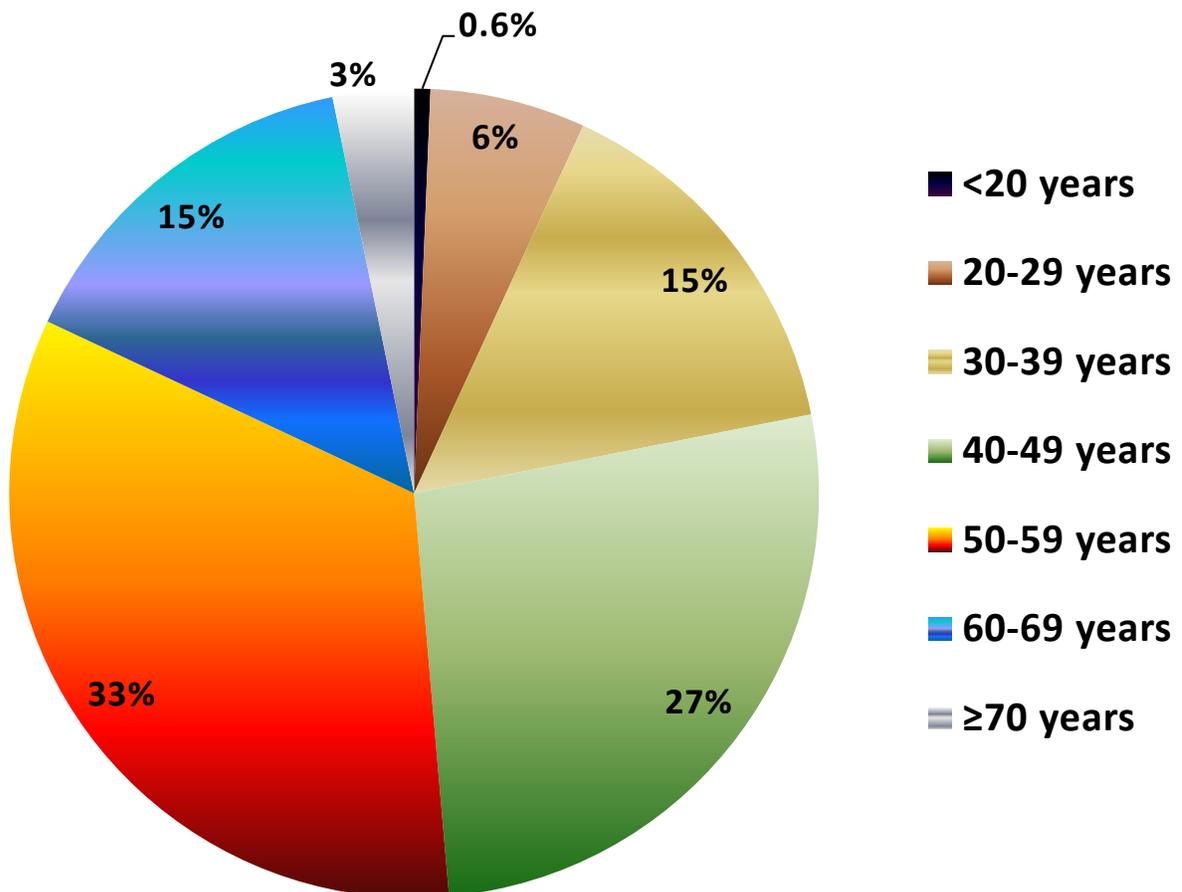


Table 3a. Viral Load Test Results (Last 12 Months) among Living HIV cases, as of December 31, 2014*

	Viral Load (VL) Results in 2014			Suppressed VL among Total Cases in 2014	Cases with a Viral Load Result in 2014		Total Cases	
	(among cases with VL information)				%	No.		% of Total
	High VL	Suppressed VL						
	Viral Load, copies/mL:	≥ 100,000	201 - 99,999					
	%	%	%			No.		
Total	2%	12%	86%	45%	6,822	53%	12,968	
Gender								
Male	2%	12%	86%	44%	5,841	51%	11,416	
Female	2%	12%	86%	54%	981	63%	1,552	
Current Age†								
< 13	0%	7%	93%	85%	42	91%	46	
13-24	4%	35%	62%	49%	188	79%	238	
25-34	3%	19%	78%	54%	1,041	70%	1,497	
35-44	3%	13%	84%	53%	1,556	63%	2,464	
45-54	2%	10%	88%	46%	2,372	52%	4,579	
55+	1%	7%	92%	36%	1,623	39%	4,144	
Race and Hispanic Origin								
White, not Hispanic	2%	10%	88%	44%	4,052	50%	8,055	
Black, not Hispanic	2%	18%	80%	43%	1,081	53%	2,025	
Hispanic (All Races)	3%	13%	84%	50%	1,490	59%	2,513	
Asian/Pacific Islander	1%	4%	95%	63%	95	66%	143	
Amer. Indian/Alaska Native	0%	21%	79%	35%	42	45%	94	
Multiple Race	0%	26%	74%	33%	62	45%	138	
Exposure Category by Gender								
Male only:								
Male-male sex (MSM)	2%	11%	86%	46%	4,447	53%	8,340	
Injection Drug Use (IDU)	1%	13%	86%	35%	243	41%	596	
MSM & IDU	3%	14%	83%	39%	500	47%	1,068	
Heterosexual contact	2%	11%	87%	50%	264	57%	463	
Pediatric‡	0%	24%	76%	57%	41	76%	54	
Transfusion/Hemophiliac	0%	12%	88%	23%	8	27%	30	
No Identified Risk/Other	2%	13%	85%	33%	338	39%	865	
Female only:								
Injection Drug Use (IDU)	1%	16%	83%	48%	164	57%	287	
Heterosexual contact	2%	12%	86%	57%	575	66%	867	
Pediatric‡	2%	10%	88%	73%	42	82%	51	
Transfusion/Hemophiliac	0%	0%	100%	88%	7	88%	8	
No Identified Risk/Other	3%	12%	85%	48%	193	57%	339	

* Colorado residents documented as living with HIV (diagnosed and reported to CDPHE and not known to have died or relocated) and persons living with HIV who have moved into Colorado (in-migrants) and have laboratory evidence of medical care in Colorado.

† Age as of December 31, 2014

‡ Pediatric cases are individuals under age 13 years at the time of HIV or AIDS diagnosis.

All HIV/AIDS surveillance and laboratory data reported to the Colorado Department of Public Health & Environment as of December 31, 2014

Table 3b. Viral Load Test Results (Last 12 Months) by County and Combined Local Health District, as of December 31, 2014

	Viral Load (VL) Results in 2014			Suppressed VL among Total Cases in 2014	Cases with a Viral Load Result in 2014		Total Cases
	(among cases with VL information)				No.	% of Total	
	Viral Load, copies/mL:	High VL	Suppressed VL	%			No.
		≥ 100,000	201 - 99,999	≤ 200	%	No.	
		%	%	%			No.
Adams Co.	2%	12%	85%	55%	558	65%	864
Alamosa Co.	0%	0%	100%	75%	9	75%	12
Arapahoe Co.	2%	13%	85%	52%	858	61%	1,409
Archuleta Co.	0%	17%	83%	71%	6	86%	7
Baca Co.	0%	100%	0%	0%	1	100%	1
Bent Co.	0%	0%	0%	0%	0	0%	1
Boulder Co.	1%	7%	92%	46%	250	50%	497
Broomfield Co.	0%	6%	94%	65%	32	70%	46
Chaffee Co.	0%	20%	80%	57%	5	71%	7
Cheyenne Co.	---	---	---	---	0	---	0
Clear Creek Co.	25%	0%	75%	25%	4	33%	12
Conejos Co.	33%	0%	67%	50%	3	75%	4
Costilla Co.	0%	0%	100%	50%	3	50%	6
Crowley Co.	0%	8%	92%	73%	12	80%	15
Custer Co.	0%	0%	100%	100%	2	100%	2
Delta Co.	0%	0%	100%	62%	8	62%	13
Denver Co.	2%	13%	85%	41%	3,273	48%	6,783
Dolores Co.	0%	0%	100%	100%	2	100%	2
Douglas Co.	2%	9%	89%	60%	127	68%	187
Eagle Co.	0%	18%	82%	37%	34	45%	75
El Paso Co.	2%	12%	86%	43%	474	50%	947
Elbert Co.	6%	6%	88%	70%	16	80%	20
Fremont Co.	1%	18%	81%	37%	74	45%	164
Garfield Co.	4%	8%	88%	45%	26	51%	51
Gilpin Co.	0%	0%	100%	80%	4	80%	5
Grand Co.	0%	14%	86%	46%	7	54%	13
Gunnison Co.	0%	0%	100%	75%	9	75%	12
Hinsdale Co.	0%	0%	100%	50%	1	50%	2
Huerfano Co.	0%	20%	80%	67%	5	83%	6
Jackson Co.	0%	0%	0%	0	0	0%	2

All HIV/AIDS surveillance and laboratory data reported to the Colorado Department of Public Health & Environment as of December 31, 2014.

Table 3c. Viral Load Test Results (Last 12 Months) by County and Combined Local Health District, as of December 31, 2014, continued

	Viral Load (VL) Results in 2014						Total Cases
	(among cases with VL information)			Suppressed VL among Total Cases in 2014	Cases with a Viral Load Result in 2014		
	High VL	Suppressed VL			No.	% of Total	
	Viral Load, copies/mL:	≥ 100,000	201 - 99,999	≤ 200			
	%	%	%	%			
Jefferson Co.	2%	8%	90%	51%	391	57%	687
Kiowa Co.	---	---	---	---	0	---	0
Kit Carson Co.	0%	33%	67%	67%	3	100%	3
La Plata Co.	0%	10%	90%	39%	20	43%	46
Lake Co.	100%	0%	0%	0	1	20%	5
Larimer Co.	4%	7%	89%	51%	141	57%	248
Las Animas Co.	0%	14%	86%	38%	7	44%	16
Lincoln Co.	0%	0%	100%	25%	1	25%	4
Logan Co.	0%	29%	71%	56%	7	78%	9
Mesa Co.	5%	12%	83%	45%	76	55%	139
Mineral Co.	---	---	---	---	0	---	0
Moffat Co.	0%	50%	50%	11%	2	22%	9
Montezuma Co.	0%	20%	80%	33%	5	42%	12
Montrose Co.	13%	13%	75%	40%	8	53%	15
Morgan Co.	8%	8%	83%	53%	12	63%	19
Otero Co.	20%	10%	70%	50%	10	71%	14
Ouray Co.	---	---	---	---	0	---	0
Park Co.	0%	0%	100%	59%	10	59%	17
Phillips Co.	0%	0%	100%	50%	1	50%	2
Pitkin Co.	6%	6%	88%	44%	17	50%	34
Prowers Co.	0%	0%	100%	67%	6	67%	9
Pueblo Co.	3%	17%	79%	49%	121	62%	194
Rio Blanco Co.	0%	0%	100%	50%	2	50%	4
Rio Grande Co.	0%	0%	100%	78%	7	78%	9
Routt Co.	0%	13%	88%	41%	8	47%	17
Saguache Co.	0%	0%	100%	60%	3	60%	5
San Juan Co.	0%	0%	0%	0%	0	0%	4
San Miguel Co.	0%	0%	100%	80%	4	80%	5
Sedgwick Co.	---	---	---	---	0	---	0
Summit Co.	0%	4%	96%	52%	26	54%	48
Teller Co.	0%	33%	67%	50%	9	75%	12
Washington Co.	0%	0%	0%	0%	0	0%	3
Weld Co.	2%	14%	85%	50%	111	59%	189
Yuma Co.	0%	0%	100%	73%	8	73%	11
TriCounty HD†	2%	12%	86%	65%	1,543	63%	2,460

† Not included in Total Cases. TriCounty Health Department is Adams, Arapahoe and Douglas counties.

All HIV/AIDS surveillance and laboratory data reported to the Colorado Department of Public Health & Environment as of December 31, 2014.

Table 4. HIV Diagnoses by Health Statistics Region (HSR) and County through December 2014

Year of HIV diagnosis	Newly Diagnosed Cases of HIV Disease					2010-2014			County Rank [*]	HSR Rank [^]
	2010	2011	2012	2013	2014	No.	% [†]	Rate [¥]		
	No.	No.	No.	No.	No.	No.	% [†]	Rate [¥]	Rank [*]	Rank [^]
Region 1:	3	2	1	0	1	7	0%	1.9	---	19
Logan	0	0	0	0	0	0	0%	0.0	50	---
Morgan	2	1	0	0	0	3	0%	2.1	42	---
Phillips	0	1	0	0	0	1	0%	4.5	19	---
Sedgwick	0	0	0	0	0	0	0%	0.0	50	---
Washington	0	0	0	0	0	0	0%	0.0	50	---
Yuma	1	0	1	0	1	3	0%	6.0	11	---
Region 2: Larimer	13	6	9	5	10	43	2%	2.8	33	16
Region 3: Douglas	7	7	11	6	7	38	2%	2.6	36	17
Region 4: El Paso	41	33	33	28	39	174	9%	5.5	13	5
Region 5:	1	2	3	1	1	8	0%	4.1	---	8
Cheyenne	0	0	0	0	0	0	0%	0.0	50	---
Elbert	0	1	2	1	1	5	0%	4.3	22	---
Lincoln	1	1	0	0	0	2	0%	7.3	7	---
Kit Carson	0	0	1	0	0	1	0%	2.4	41	---
Region 6:	3	2	1	1	2	9	0%	2.6	---	17
Baca	0	0	0	0	0	0	0%	0.0	50	---
Bent	1	1	0	0	0	2	0%	6.5	9	---
Crowley	0	0	0	0	0	0	0%	0.0	50	---
Huerfano	1	0	0	0	1	2	0%	6.1	10	---
Kiowa	0	0	0	0	0	0	0%	0.0	50	---
Las Animas	1	1	0	0	1	3	0%	4.0	24	---
Otero	0	0	1	1	0	2	0%	2.1	42	---
Prowers	0	0	0	0	0	0	0%	0.0	50	---
Region 7: Pueblo	4	9	8	11	5	37	2%	4.6	18	7
Region 8:	4	4	3	0	2	13	1%	5.6	---	4
Alamosa	2	0	1	0	1	4	0%	5.1	15	---
Conejos	1	1	1	0	0	3	0%	7.3	7	---
Costilla	0	2	0	0	1	3	0%	16.8	2	---
Mineral	0	0	0	0	0	0	0%	0.0	50	---
Rio Grande	0	1	1	0	0	2	0%	3.4	26	---
Saguache	1	0	0	0	0	1	0%	3.2	29	---
Region 9:	1	0	2	1	2	6	0%	1.3	---	20
Archuleta	0	0	1	0	0	1	0%	1.7	44	---
Dolores	0	0	0	0	1	1	0%	9.8	4	---
La Plata	1	0	1	1	1	4	0%	1.5	45	---
Montezuma	0	0	0	0	0	0	0%	0.0	50	---
San Juan	0	0	0	0	0	0	0%	0.0	50	---

† Percent of HSRs' new HIV disease diagnoses (2010-2014)

¥ Health Statistics Region HIV infection rates per 100,000 population is calculated by dividing each region's sum of HIV diagnoses by the region's total population.

* Counties ranked by HIV infection rate per 100,000 population.

^ Health Statistics Regions ranked by HIV infection rate per 100,000 population

2009-2010 population updated estimate from the State Demographer's Office and 2011 -2013 US Census Bureau estimate used in calculating the rates.

Table 4. HIV Diagnoses by Health Statistics Region and County, continued

Year of HIV diagnosis	Newly Diagnosed Cases of HIV Disease					2010-2014			County Rank*	HSR Rank [^]
	2010	2011	2012	2013	2014	No.	% [†]	Rate		
Region 10:	2	1	0	2	1	6	0%	1.2	---	21
Delta	0	1	0	0	0	1	0%	0.7	49	---
Gunnison	1	0	0	1	0	2	0%	2.6	36	---
Hinsdale	0	0	0	0	0	0	0%	0.0	50	---
Montrose	1	0	0	0	1	2	0%	1.0	48	---
Ouray	0	0	0	0	0	0	0%	0.0	50	---
San Miguel	0	0	0	1	0	1	0%	2.7	35	---
Region 11:	3	0	1	1	2	7	0%	3.1	---	13
Jackson	0	0	0	0	0	0	0%	0.0	50	---
Moffat	0	0	0	0	1	1	0%	1.5	45	---
Rio Blanco	0	0	1	1	0	2	0%	5.9	12	---
Routt	3	0	0	0	1	4	0%	3.4	26	---
Region 12:	9	4	10	2	9	34	2%	4.0	---	9
Eagle	3	2	5	0	4	14	1%	5.4	14	---
Garfield	0	1	4	1	3	9	0%	3.2	29	---
Grand	1	0	0	0	0	1	0%	1.4	47	---
Pitkin	2	0	0	0	2	4	0%	4.7	17	---
Summit	3	1	1	1	0	6	0%	4.3	22	---
Region 13:	5	2	2	0	4	13	1%	3.4	---	10
Chaffee	2	1	1	0	0	4	0%	4.4	20	---
Custer	0	0	0	0	0	0	0%	0.0	50	---
Fremont	2	0	1	0	3	6	0%	2.6	36	---
Lake	1	1	0	0	1	3	0%	8.2	6	---
Region 14: Adams	51	33	47	32	34	197	10%	8.7	5	3
Region 15: Arapahoe	65	51	57	54	64	291	15%	9.9	3	2
Region 16:	13	12	13	13	6	57	3%	3.2	---	11
Boulder	10	10	12	12	5	49	3%	3.3	28	---
Broomfield	3	2	1	1	1	8	0%	2.8	33	---
Region 17:	1	2	3	1	1	8	0%	3.0	---	14
Clear Creek	1	0	1	0	0	2	0%	4.4	20	---
Gilpin	0	0	1	0	0	1	0%	3.6	25	---
Park	0	1	1	0	0	2	0%	2.5	40	---
Teller	0	1	0	1	1	3	0%	2.6	36	---
Region 18: Weld	8	10	5	7	12	42	2%	3.2	29	11
Region 19: Mesa	4	1	9	5	2	21	1%	2.9	32	15
Region 20: Denver	174	160	148	130	140	752	40%	24.2	1	1
Region 21: Jefferson	22	37	22	27	23	131	7%	4.8	16	6
STATEWIDE TOTAL	434	378	388	327	367	1,894	100%	7.4	---	---

† Percent of HSRs' new HIV diagnoses (2010-2014)

* Counties ranked by HIV infection rate per 100,000 population

[^] Health Statistics Regions ranked by HIV infection rate per 100,000 population

2009-2010 population updated estimate from the State Demographer's Office and 2011 -2013. Census estimate used in calculating the rates

All HIV/AIDS surveillance data reported to the Colorado Department of Public Health and Environment as of December 31, 2014.

Table 5. Cumulative HIV/AIDS case counts and deaths by Residence at Most Recent Diagnosis, Colorado (reported as of 12/31/14)

	Cumulative [†]		Deaths		Presumed Living [‡]		
	Cases	N	%*	HIV	AIDS	Total	Total % [^]
Region 1:	75	31	41%	21	23	44	0.3%
Logan	17	8	47%	2	7	9	0.1%
Morgan	36	17	47%	12	7	19	0.1%
Phillips	5	3	60%	0	2	2	0.0%
Sedgwick	1	1	100%	0	0	0	0.0%
Washington	3	0	0%	2	1	3	0.0%
Yuma	13	2	15%	5	6	11	0.1%
Region 2: Larimer	334	86	26%	129	119	248	1.9%
Region 3: Douglas	224	37	17%	98	89	187	1.5%
Region 4: El Paso	1,399	452	32%	539	408	947	7.4%
Region 5:	35	8	23%	16	11	27	0.2%
Cheyenne	0	0	---	0	0	0	0.0%
Elbert	25	5	20%	12	8	20	0.2%
Lincoln	5	1	20%	3	1	4	0.0%
Kit Carson	5	2	40%	1	2	3	0.0%
Region 6:	95	33	35%	31	31	62	0.5%
Baca	2	1	50%	0	1	1	0.0%
Bent	3	2	67%	1	0	1	0.0%
Crowley	15	0	0%	9	6	15	0.1%
Huerfano	10	4	40%	2	4	6	0.0%
Kiowa	0	0	---	0	0	0	0.0%
Las Animas	31	15	48%	11	5	16	0.1%
Otero	20	6	30%	6	8	14	0.1%
Prowers	14	5	36%	2	7	9	0.1%
Region 7: Pueblo	298	104	35%	101	93	194	1.5%
Region 8:	60	24	40%	14	22	36	0.3%
Alamosa	24	12	50%	3	9	12	0.1%
Conejos	6	2	33%	1	3	4	0.0%
Costilla	10	4	40%	5	1	6	0.0%
Mineral	0	0	---	0	0	0	0.0%
Rio Grande	11	2	18%	4	5	9	0.1%
Saguache	9	4	44%	1	4	5	0.0%
Region 9:	97	26	27%	36	35	71	0.6%
Archuleta	9	2	22%	3	4	7	0.1%
Dolores	2	0	0%	0	2	2	0.0%
La Plata	64	18	28%	25	21	46	0.4%
Montezuma	18	6	33%	6	6	12	0.1%
San Juan	4	0	0%	2	2	4	0.0%
Region 10:	72	25	35%	23	24	47	0.4%
Delta	20	7	35%	6	7	13	0.1%
Gunnison	16	4	25%	6	6	12	0.1%
Hinsdale	4	2	50%	2	0	2	0.0%
Montrose	22	7	32%	6	9	15	0.1%
Ouray	1	1	100%	0	0	0	0.0%
San Miguel	9	4	44%	3	2	5	0.0%

* Percent of county cases who have died (row %).

^ Percent of total presumed living cases in Colorado (column %).

† Based on address at most recent diagnosis

‡ Based on most recent address information available as of December 31, 2014.

Table 5. Cumulative HIV/AIDS case counts and deaths by Residence at Most Recent Diagnosis, continued

	Cumulative [†]		Deaths		Presumed Living [‡]		
	Cases	N	%*	HIV	AIDS	Total	Total % [^]
Region 11:	45	13	29%	14	18	32	0.2%
Jackson	2	0	0%	0	2	2	0.0%
Moffat	13	4	31%	4	5	9	0.1%
Rio Blanco	6	2	33%	1	3	4	0.0%
Routt	24	7	29%	9	8	17	0.1%
Region 12:	285	64	22%	95	126	221	1.7%
Eagle	89	14	16%	31	44	75	0.6%
Garfield	64	13	20%	28	23	51	0.4%
Grand	21	8	38%	6	7	13	0.1%
Pitkin	45	11	24%	13	21	34	0.3%
Summit	66	18	27%	17	31	48	0.4%
Region 13:	256	78	30%	76	102	178	1.4%
Chaffee	14	7	50%	2	5	7	0.1%
Custer	2	0	0%	0	2	2	0.0%
Fremont	233	69	30%	72	92	164	1.3%
Lake	7	2	29%	2	3	5	0.0%
Region 14: Adams	1,172	308	26%	414	450	864	6.7%
Region 15: Arapahoe	1,874	465	25%	746	663	1,409	10.9%
Region 16:	732	189	26%	310	233	543	4.2%
Boulder	685	188	27%	281	216	497	3.8%
Broomfield	47	1	2%	29	17	46	0.4%
Region 17:	75	29	39%	16	30	46	0.4%
Clear Creek	20	8	40%	3	9	12	0.1%
Gilpin	14	9	64%	3	2	5	0.0%
Park	22	5	23%	6	11	17	0.1%
Teller	19	7	37%	4	8	12	0.1%
Region 18: Weld	281	92	33%	91	98	189	1.5%
Region 19: Mesa	187	48	26%	69	70	139	1.1%
Region 20: Denver	10,449	3,666	35%	3,898	2,885	6,783	52.3%
Region 21: Jefferson	1,053	366	35%	369	318	687	5.3%
Unknown	18	4	22%	12	2	14	0.1%
STATEWIDE TOTAL	19,116	6,148	32%	7,118	5,850	12,968	100.0%

* Percent of county cases who have died (row %).

[^] Percent of total presumed living cases in Colorado (column %).

[†] Based on address at most recent diagnosis

[‡] Based on most recent address information available as of December 31, 2014.

Presumed Colorado residence based on most recent data available.

No exclusions based on HIV lab tests.

All HIV/AIDS surveillance data reported to the Colorado Department of Public Health and Environment as of December 31, 2014.

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**Sexually Transmitted Infections/HIV Surveillance Section
Disease Control and Environmental Epidemiology Division
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South, A-3
Denver, CO 80246-1530
Phone: (303) 692-2700 Email: CDPHE_stihivdatarequest@state.co.us**

