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Diagnoses of HIV Infection Among Adults and Adolescents in Metropolitan Statistical Areas United States and Puerto Rico, 2018

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Data are presented for diagnoses of HIV infection reported to CDC through December 2019.

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SURVEILLANCE OF HIV INFECTION

In 2018, rates of diagnoses of HIV infection (13.6) and HIV prevalence (369.4) among persons residing in metropolitan statistical areas (MSAs, population of 500,000 or more) of the United States and Puerto Rico were approximately 2 times the rates of those residing in smaller metropolitan areas (8.1 and 180.1, respectively), and approximately 3 times the rates of those residing in nonmetropolitan areas (5.2 and 124.5, respectively) [1]. Understanding the burden of disease among different subgroups and by geographic area can help HIV programs to focus on populations and areas at greatest need for HIV prevention and treatment services. Data presented for persons 13 years and older were reported (after the removal of personally identifiable information) to the Centers for Disease Control and Prevention (CDC) through December 2019. Please use caution when interpreting the following:

- Data on diagnoses of HIV infection. HIV surveillance reports may not be representative of all persons with HIV because not all infected persons have been (1) tested or (2) tested at a time when the infection could be detected and diagnosed. Also, some states offer anonymous HIV testing; the results of anonymous tests are not reported to the confidential, name-based HIV registries of state and local health departments. Therefore, reports of confidential test results may not represent all persons who tested positive for HIV infection.
- Deaths and prevalence-based data. Data for the year 2018 are considered preliminary and are based on deaths reported to CDC through December 2019.
- Numbers less than 12 and rates based on these numbers.

Data re-release agreements between CDC and state/local HIV surveillance programs require specific levels of cell suppression at the state and county level in order to ensure confidentiality of personally identifiable information.

TABULATION AND PRESENTATION OF DATA

The data are presented for adults and adolescents aged 13 years and older with HIV infection diagnosed during 2018. The tables also present data for persons living with diagnosed HIV infection (prevalence) as of December 31, 2018. Tables include the total numbers and rates of diagnoses of HIV infection in 2018 by MSA of residence at diagnosis, and the total numbers and rates of HIV prevalence by MSA of residence at year-end 2018 (i.e., most recent known address). Summary data are provided for persons residing in MSAs (populations of 500,000 or more), in smaller metropolitan areas (populations of 50,000–499,999), and in nonmetropolitan areas (populations of less than 50,000). Summary data also include diagnoses of HIV infection among persons with an unknown county of residence.

Numbers and rates for 107 MSAs and 28 divisions located within any of these MSAs were included in the tabulations. Aside from the summary totals for smaller metropolitan (50,000–499,999 population) and nonmetropolitan areas (less than 50,000) that are provided in the final rows of each table, data on diagnosed HIV infection among persons who resided in MSAs with populations of less than 500,000 are not presented in detail. The MSAs and divisions were located in 44 states (Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Utah, Virginia, Washington, West Virginia, and Wisconsin), the District of Columbia, and 1 U.S. dependent area (Puerto Rico). Alaska, Montana, North Dakota, South Dakota, Vermont, and Wyoming do not have MSAs within their borders.

Diagnoses of HIV Infection

The data are presented for adults and adolescents (aged 13 years and older) with HIV infection diagnosed during 2018. The term *diagnosis of HIV infection* is defined as a diagnosis of HIV infection regardless of the stage of disease (stage 0, 1, 2, 3

[AIDS], or unknown) and refers to all persons with a diagnosis of HIV infection.

More information on counting diagnoses of HIV infection can be found in the Technical Notes of the *2018 HIV Surveillance Report* at <https://www.cdc.gov/hiv/library/reports/hiv-surveillance/vol-31/index.html>.

Prevalence: Persons Living with Diagnosed HIV Infection

Prevalence data reflect persons living with diagnosed HIV infection, regardless of the stage of disease, as of December 31, 2018. For tables presenting prevalence data, MSA of residence is based on the most recent known address as of December 31, 2018. Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019. Due to incomplete reporting of deaths for the year 2018, prevalence data for MSAs in Alabama, Oklahoma, and South Carolina should be interpreted with caution.

Deaths

Persons reported to the National HIV Surveillance System are assumed alive unless their deaths have been reported to CDC. Death data include all deaths of persons with diagnosed HIV infection, regardless of the cause of death (Table 10). Data are reported for deaths that occurred by December 31, 2018, thereby allowing at least 12 months for deaths to be reported to CDC. For death data, MSA of residence is based on residence at death. When information on residence at death is not available, the MSA where a person's death occurred is used.

Data Suppression and Exclusions

In accordance with *Data Re-Release Agreement for HIV Surveillance and Surveillance-Related Data* (issued July 2018) [2], a suppression rule was applied for population denominators less than 100.

Data for American Indians/Alaska Natives and Asians were excluded from tabulations by MSA, race/ethnicity, and transmission category (Tables 8a–9c), as nearly all of the case counts for American Indians/Alaska Natives and Asians in these tables were less than 12 and thus were associated with small numbers and unstable rates.

We excluded data for San Juan-Carolina-Caguas, PR, from tables displaying diagnoses of HIV infection by race/ethnicity (Tables 4a–5b, 8a–9c). The 2018

postcensal estimates do not include population estimates for Puerto Rico by race/ethnicity, thereby preventing assessment of the suppression rule for these population denominators.

Population of Area of Residence

In the *Federal Register* for June 28, 2010, the Office of Management and Budget (OMB) published revised standards for defining MSAs in federal statistical activities [3]. These standards, which provided for the identification of MSAs in the United States and Puerto Rico, replaced the 2000 standards. The adoption of the new standards was effective as of June 28, 2010. On February 28, 2013, OMB announced new MSA delineations based on the new standards and Census 2010 data [4]. OMB defines populations of area of residence as areas with populations of 500,000 or more (MSAs), areas with populations of 50,000–499,999, or areas with populations of less than 50,000 (nonmetropolitan areas). The Boston-Cambridge-Newton, MA-NH, New York-Newark-Jersey City, NY-NJ-PA, and San Francisco-Oakland-Hayward, CA MSAs all include 1 division with a population less than 500,000. Therefore, data presented for divisions in these 3 MSAs do not sum to the MSA totals.

Rates

Rates per 100,000 population were calculated for (1) the numbers of diagnoses of HIV infection in 2018, (2) the numbers of persons living with diagnosed HIV infection at year-end 2018 (prevalence), and (3) the numbers of deaths during 2018 of persons with diagnosed HIV infection.

The population denominators used to compute the rates for areas in the United States and Puerto Rico were based on the Vintage 2018 postcensal estimates file from the U.S. Census Bureau [5]. Each rate was calculated by dividing the total number of diagnoses (or deaths or prevalence) for the calendar year by the population for that calendar year and then multiplying the result by 100,000. The denominators used for calculating the rates specific to age, sex, and race/ethnicity were computed by applying the appropriate vintage estimates for age, sex, and race/ethnicity for the 50 states and the District of Columbia [5]. The same method was used to calculate the denominators for Puerto Rico.

CDC currently does not provide subpopulation rates by race/ethnicity for Puerto Rico because the U.S. Census Bureau does not collect information on

race/ethnicity from the U.S. dependent areas. For this reason, and because the suppression rule could not be assessed for all population denominators (see Tabulation and Presentation of Data), rates for San Juan-Carolina-Caguas, PR, were not calculated for the tables displaying race/ethnicity (Tables 4a/b, 5a/b, 8a/b/c, 9a/b/c). Rates for transmission categories are not provided because of the absence of denominator data from the U.S. Census Bureau, the source of data used for calculating all rates in the tables.

Ranks

Rank refers to the number assigned to an area or an MSA according to the magnitude of the measure, without consideration for the distance between the values [6]. The lowest rank number was assigned to the highest value of the measure. Ties were resolved by assigning the smallest of the corresponding ranks according to the SAS rank procedure [7]. Because rank indicates a relative position in a series, a rank value is influenced by fluctuations associated with the corresponding area or MSA as well as those of the other sites in the series. Rates based on reported numbers less than 12 were not assigned a rank.

Age

The designation “adults and adolescents” refers to persons aged 13 years and older. For presentations of data on persons living with diagnosed HIV infection (Tables 1a/b/c, 2b, 3b, 4b, 5b, 6b, 7b, 9a/b/c), the age-group assignment (e.g., 13–24 years) is based on the person’s age as of December 31, 2018. For presentations of data on deaths of persons with diagnosed HIV infection (Table 10), age-group assignment (i.e., 13 years and older) is determined based on the person’s age at the time of death.

Sex at Birth

Sex designations in the tables are based on a person’s sex at birth. Data for transgender persons are not presented due to small numbers.

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Table 1a. Diagnoses of HIV infection, 2018, and persons living with diagnosed HIV infection (prevalence), year-end 2018, adults and adolescents, by metropolitan statistical area of residence—United States and Puerto Rico

MSA of residence	Diagnosis, 2018 ^a			Prevalence of diagnosed HIV infection, year-end 2018 ^b	
	No.	Rate ^c	Rank ^d	No.	Rate ^c
Top 10 MSAs by rate of diagnoses of HIV infection, 2018					
Miami–Fort Lauderdale–West Palm Beach, FL	2,087	39.4	1	53,716	1,014.1
Fort Lauderdale Division	626	37.8	—	19,483	1,177.3
Miami Division	1,177	49.9	—	26,316	1,116.3
West Palm Beach Division	284	22.1	—	7,917	616.2
Atlanta–Sandy Springs–Roswell, GA	1,650	33.5	2	36,493	741.1
Baton Rouge, LA	227	32.9	3	5,176	750.2
Memphis, TN–MS–AR	364	32.8	4	7,138	643.4
Orlando–Kissimmee–Sanford, FL	674	31.0	5	12,182	561.1
Augusta–Richmond County, GA–SC	146	29.0	6	2,347	465.6
New Orleans–Metairie, LA	307	28.8	7	7,981	749.0
Jackson, MS	137	28.4	8	3,239	672.4
Houston–The Woodlands–Sugar Land, TX	1,426	25.2	9	30,550	540.4
Jacksonville, FL	318	24.7	10	7,046	548.0
MSAs, alphabetical order					
Akron, OH	53	8.8	74	1,031	170.8
Albany–Schenectady–Troy, NY	50	6.6	92	2,167	284.7
Albuquerque, NM	55	7.1	88	1,806	233.6
Allentown–Bethlehem–Easton, PA–NJ	52	7.2	86	1,165	161.9
Atlanta–Sandy Springs–Roswell, GA	1,650	33.5	2	36,493	741.1
Augusta–Richmond County, GA–SC	146	29.0	6	2,347	465.6
Austin–Round Rock, TX	268	14.8	39	6,281	347.6
Bakersfield, CA	153	21.6	12	1,697	239.6
Baltimore–Columbia–Towson, MD	454	19.2	19	15,010	635.4
Baton Rouge, LA	227	32.9	3	5,176	750.2
Birmingham–Hoover, AL	160	16.6	30	4,302	446.9
Boise City, ID	18	3.0	104	232	38.6
Boston–Cambridge–Newton, MA–NH ^e	477	11.4	60	14,278	340.3
Boston Division	252	14.4	—	8,137	464.1
Cambridge Division	219	10.6	—	5,843	283.5
Bridgeport–Stamford–Norwalk, CT	54	6.8	91	2,657	333.1
Buffalo–Cheektowaga–Niagara Falls, NY	55	5.7	99	2,542	262.3
Cape Coral–Fort Myers, FL	75	11.4	61	2,151	325.6
Charleston–North Charleston, SC	134	20.2	16	2,637	398.1
Charlotte–Concord–Gastonia, NC–SC	361	16.9	29	8,621	403.7
Chattanooga, TN–GA	54	11.3	62	1,172	246.1
Chicago–Naperville–Elgin, IL–IN–WI	1,207	15.2	37	29,248	367.1
Chicago Division	1,062	17.3	—	26,644	435.1
Elgin Division	35	6.6	—	439	83.1
Gary Division	61	10.4	—	1,209	205.5
Lake County Division	49	6.7	—	956	131.5
Cincinnati, OH–KY–IN	284	15.6	33	4,400	241.1
Cleveland–Elyria, OH	173	9.9	69	5,454	311.5
Colorado Springs, CO	48	7.9	81	932	152.4
Columbia, SC	145	20.7	15	4,249	605.5
Columbus, OH	234	13.4	48	5,726	327.8
Dallas–Fort Worth–Arlington, TX	1,308	21.3	14	28,461	463.5
Dallas Division	1,013	24.8	—	22,213	544.5
Fort Worth Division	295	14.3	—	6,248	303.2
Dayton, OH	79	11.6	57	1,652	242.9
Deltona–Daytona Beach–Ormond Beach, FL	89	15.4	35	1,958	338.9
Denver–Aurora–Lakewood, CO	263	10.7	66	9,437	383.4
Des Moines–West Des Moines, IA	38	7.1	89	881	164.8
Detroit–Warren–Dearborn, MI	473	12.9	50	10,123	277.0
Detroit Division	300	20.6	—	6,737	462.4
Warren Division	173	7.9	—	3,386	154.1

Table 1a. Diagnoses of HIV infection, 2018, and persons living with diagnosed HIV infection (prevalence), year-end 2018, adults and adolescents, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence	Diagnosis, 2018 ^a			Prevalence of diagnosed HIV infection, year-end 2018 ^b	
	No.	Rate ^c	Rank ^d	No.	Rate ^c
Durham–Chapel Hill, NC	80	16.3	32	2,182	444.8
El Paso, TX	129	19.0	20	2,233	328.2
Fayetteville–Springdale–Rogers, AR–MO	26	5.8	97	640	142.7
Fresno, CA	108	13.7	46	1,981	251.3
Grand Rapids–Wyoming, MI	49	5.5	100	1,180	133.1
Greensboro–High Point, NC	120	18.5	23	2,795	431.5
Greenville–Anderson–Mauldin, SC	94	12.3	52	2,108	276.9
Harrisburg–Carlisle, PA	41	8.4	77	809	166.3
Hartford–West Hartford–East Hartford, CT	99	9.5	71	3,601	346.6
Honolulu (Urban), HI	57	6.9	90	1,530	185.3
Houston–The Woodlands–Sugar Land, TX	1,426	25.2	9	30,550	540.4
Indianapolis–Carmel–Anderson, IN	250	14.8	40	5,707	338.5
Jackson, MS	137	28.4	8	3,239	672.4
Jacksonville, FL	318	24.7	10	7,046	548.0
Kansas City, MO–KS	205	11.6	59	4,831	272.8
Knoxville, TN	66	8.7	75	1,097	145.3
Lakeland–Winter Haven, FL	105	17.6	26	2,442	409.2
Lancaster, PA	16	3.5	103	564	124.9
Las Vegas–Henderson–Paradise, NV	450	24.2	11	8,600	463.0
Lexington–Fayette, KY	63	14.5	41	1,108	255.0
Little Rock–North Little Rock–Conway, AR	132	21.4	13	2,306	374.4
Los Angeles–Long Beach–Anaheim, CA	1,976	17.6	25	56,328	502.1
Anaheim Division	286	10.6	—	6,879	255.7
Los Angeles Division	1,690	19.8	—	49,449	579.8
Louisville/Jefferson County, KY–IN	191	17.5	27	3,702	339.9
Madison, WI	29	5.2	101	591	105.1
McAllen–Edinburg–Mission, TX	92	13.9	44	1,464	221.1
Memphis, TN–MS–AR	364	32.8	4	7,138	643.4
Miami–Fort Lauderdale–West Palm Beach, FL	2,087	39.4	1	53,716	1,014.1
Fort Lauderdale Division	626	37.8	—	19,483	1,177.3
Miami Division	1,177	49.9	—	26,316	1,116.3
West Palm Beach Division	284	22.1	—	7,917	616.2
Milwaukee–Waukesha–West Allis, WI	119	9.0	73	2,329	177.0
Minneapolis–St. Paul–Bloomington, MN–WI	230	7.6	84	7,243	240.6
Modesto, CA	61	13.8	45	795	179.6
Nashville–Davidson–Murfreesboro–Franklin, TN	215	13.4	49	5,107	317.3
New Haven–Milford, CT	82	11.1	63	3,231	438.2
New Orleans–Metairie, LA	307	28.8	7	7,981	749.0
New York–Newark–Jersey City, NY–NJ–PA ^e	2,976	17.6	24	138,673	821.0
Nassau County Division	192	7.9	—	6,143	254.0
New York Division	2,359	19.6	—	118,069	982.6
Newark Division	407	19.3	—	13,434	635.7
North Port–Sarasota–Bradenton, FL	68	9.3	72	1,990	273.2
Ogden–Clearfield, UT	15	2.9	105	403	76.7
Oklahoma City, OK	137	12.0	54	2,817	245.9
Omaha–Council Bluffs, NE–IA	50	6.5	93	385	50.2
Orlando–Kissimmee–Sanford, FL	674	31.0	5	12,182	561.1
Oxnard–Thousand Oaks–Ventura, CA	52	7.3	85	1,070	150.1
Palm Bay–Melbourne–Titusville, FL	63	12.1	53	1,576	302.9
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	777	15.1	38	24,515	475.6
Camden Division	99	9.4	—	2,926	277.7
Montgomery Division	103	6.1	—	1,432	85.1
Philadelphia Division	505	28.0	—	17,816	987.6
Wilmington Division	70	11.4	—	2,341	381.5
Phoenix–Mesa–Scottsdale, AZ	574	14.2	42	12,291	304.8
Pittsburgh, PA	116	5.8	98	2,966	147.4
Portland–South Portland, ME	11	2.4	—	857	184.2

Table 1a. Diagnoses of HIV infection, 2018, and persons living with diagnosed HIV infection (prevalence), year-end 2018, adults and adolescents, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence	Diagnosis, 2018 ^a			Prevalence of diagnosed HIV infection, year-end 2018 ^b	
	No.	Rate ^c	Rank ^d	No.	Rate ^c
Portland–Vancouver–Hillsboro, OR–WA	178	8.5	76	5,502	262.2
Providence–Warwick, RI–MA	115	8.2	79	2,610	187.0
Provo–Orem, UT	13	2.7	106	218	45.5
Raleigh, NC	131	11.6	58	3,821	338.2
Richmond, VA	207	18.7	21	3,286	297.5
Riverside–San Bernardino–Ontario, CA	531	14.1	43	13,483	357.3
Rochester, NY	59	6.4	94	2,867	313.0
Sacramento–Roseville–Arden–Arcade, CA	192	9.8	70	5,125	261.1
St. Louis, MO–IL	255	10.8	65	7,135	302.1
Salt Lake City, UT	76	7.8	82	1,979	202.0
San Antonio–New Braunfels, TX	351	17.0	28	6,898	334.6
San Diego–Carlsbad, CA	378	13.4	47	13,131	466.4
San Francisco–Oakland–Hayward, CA ^e	628	15.5	34	23,354	575.5
Oakland Division	310	13.0	—	8,730	366.0
San Francisco Division	297	20.5	—	13,827	954.3
San Jose–Sunnyvale–Santa Clara, CA	169	10.0	68	3,320	197.3
San Juan–Carolina–Caguas, PR	330	18.6	22	9,049	510.8
Scranton–Wilkes-Barre–Hazleton, PA	37	7.8	83	510	106.9
Seattle–Tacoma–Bellevue, WA	389	11.7	56	9,522	286.9
Seattle Division	328	12.7	—	8,029	311.1
Tacoma Division	61	8.3	—	1,493	202.5
Spokane–Spokane Valley, WA	22	4.6	102	675	139.9
Springfield, MA	65	11.9	55	2,162	396.7
Stockton–Lodi, CA	66	10.9	64	1,316	217.0
Syracuse, NY	35	6.3	96	1,319	238.0
Tampa–St. Petersburg–Clearwater, FL	545	20.2	17	12,818	475.7
Toledo, OH	54	10.7	67	1,037	205.1
Tucson, AZ	113	12.8	51	2,579	291.8
Tulsa, OK	65	8.0	80	1,912	234.0
Virginia Beach–Norfolk–Newport News, VA–NC	239	16.5	31	6,036	415.7
Washington–Arlington–Alexandria, DC–VA–MD–WV	1,010	19.4	18	31,167	598.8
Silver Spring Division	150	13.7	—	4,041	370.3
Washington Division	860	20.9	—	27,126	659.4
Wichita, KS	44	8.4	78	935	177.6
Winston-Salem, NC	87	15.4	36	1,979	349.2
Worcester, MA–CT	52	6.4	95	2,128	262.7
Youngstown–Warren–Boardman, OH–PA	33	7.1	87	779	168.1
Subtotal for MSAs (population of ≥500,000)	30,543	16.2	—	828,837	440.0
Metropolitan areas (population of 50,000–499,999)	4,823	9.6	—	106,957	213.9
Nonmetropolitan areas	2,371	6.1	—	57,211	146.5
Total^f	37,864	13.6	—	1,039,680	374.8

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico. Data for the year 2018 are considered preliminary and are based on death data received by CDC through December 2019 (this applies to prevalence data).

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Data are based on residence at HIV diagnosis.

^b Data are based on address of residence at the end of the specified year (i.e., most recent known address).

^c Rates are per 100,000 population.

^d Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

^e Counts of diagnoses and persons living with diagnosed HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^f Includes persons whose county of residence is unknown.

Table 1b. Diagnoses of HIV infection, 2018, and persons living with diagnosed HIV infection (prevalence), year-end 2018, adult and adolescent males, by metropolitan statistical area of residence—United States and Puerto Rico

MSA of residence	Diagnosis, 2018 ^a			Prevalence of diagnosed HIV infection, year-end 2018 ^b	
	No.	Rate ^c	Rank ^d	No.	Rate ^c
Top 10 MSAs by rate of diagnoses of HIV infection, 2018					
Miami–Fort Lauderdale–West Palm Beach, FL	1,664	65.2	1	39,130	1,532.7
Fort Lauderdale Division	494	61.8	—	14,421	1,802.9
Miami Division	977	86.1	—	19,649	1,731.0
West Palm Beach Division	193	31.2	—	5,060	818.7
Atlanta–Sandy Springs–Roswell, GA	1,349	57.3	2	28,966	1,231.2
Memphis, TN–MS–AR	295	56.4	3	4,969	949.3
Orlando–Kissimmee–Sanford, FL	547	52.0	4	9,095	864.6
Jackson, MS	112	49.1	5	2,207	967.6
Augusta–Richmond County, GA–SC	117	48.1	6	1,600	658.4
New Orleans–Metairie, LA	238	46.9	7	5,935	1,168.6
Baton Rouge, LA	155	46.3	8	3,305	986.6
Las Vegas–Henderson–Paradise, NV	392	42.5	9	7,203	781.7
Houston–The Woodlands–Sugar Land, TX	1,122	40.3	10	22,937	822.8
MSAs, alphabetical order					
Akron, OH	48	16.5	70	830	285.0
Albany–Schenectady–Troy, NY	35	9.5	97	1,447	391.0
Albuquerque, NM	47	12.5	86	1,614	427.7
Allentown–Bethlehem–Easton, PA–NJ	38	10.8	93	755	215.4
Atlanta–Sandy Springs–Roswell, GA	1,349	57.3	2	28,966	1,231.2
Augusta–Richmond County, GA–SC	117	48.1	6	1,600	658.4
Austin–Round Rock, TX	231	25.6	35	5,370	595.1
Bakersfield, CA	137	37.6	13	1,428	392.4
Baltimore–Columbia–Towson, MD	344	30.5	24	9,862	875.6
Baton Rouge, LA	155	46.3	8	3,305	986.6
Birmingham–Hoover, AL	134	29.3	27	3,219	704.6
Boise City, ID	15	5.0	104	187	62.6
Boston–Cambridge–Newton, MA–NH ^e	334	16.5	69	10,232	505.8
Boston Division	181	21.5	—	5,995	713.7
Cambridge Division	148	14.9	—	3,989	400.6
Bridgeport–Stamford–Norwalk, CT	42	10.9	91	1,742	452.0
Buffalo–Cheektowaga–Niagara Falls, NY	42	9.0	101	1,784	383.3
Cape Coral–Fort Myers, FL	56	17.4	65	1,513	470.9
Charleston–North Charleston, SC	107	33.4	18	1,933	603.3
Charlotte–Concord–Gastonia, NC–SC	308	30.1	26	6,259	610.9
Chattanooga, TN–GA	46	20.1	55	889	389.0
Chicago–Naperville–Elgin, IL–IN–WI	1,007	26.0	34	23,508	607.4
Chicago Division	884	29.8	—	21,530	726.5
Elgin Division	31	11.9	—	342	130.9
Gary Division	51	17.9	—	920	323.5
Lake County Division	41	11.4	—	716	198.3
Cincinnati, OH–KY–IN	220	24.8	41	3,434	386.8
Cleveland–Elyria, OH	151	18.0	63	4,321	516.2
Colorado Springs, CO	44	14.3	79	761	246.8
Columbia, SC	110	32.7	20	3,071	911.5
Columbus, OH	182	21.3	53	4,554	533.4
Dallas–Fort Worth–Arlington, TX	1,091	36.4	14	22,668	756.5
Dallas Division	854	42.8	—	17,903	897.6
Fort Worth Division	237	23.7	—	4,765	475.6
Dayton, OH	73	22.3	50	1,305	399.3
Deltona–Daytona Beach–Ormond Beach, FL	71	25.4	36	1,389	497.2
Denver–Aurora–Lakewood, CO	240	19.6	58	8,333	679.5
Des Moines–West Des Moines, IA	27	10.3	95	696	266.0
Detroit–Warren–Dearborn, MI	387	21.9	52	7,942	450.4
Detroit Division	242	34.9	—	5,170	746.3
Warren Division	145	13.5	—	2,772	258.9

Table 1b. Diagnoses of HIV infection, 2018, and persons living with diagnosed HIV infection (prevalence), year-end 2018, adult and adolescent males, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence	Diagnosis, 2018 ^a			Prevalence of diagnosed HIV infection, year-end 2018 ^b	
	No.	Rate ^c	Rank ^d	No.	Rate ^c
Durham–Chapel Hill, NC	61	26.3	33	1,597	689.2
El Paso, TX	121	36.3	15	1,949	585.2
Fayetteville–Springdale–Rogers, AR–MO	21	9.4	98	528	237.5
Fresno, CA	99	25.3	37	1,664	425.9
Grand Rapids–Wyoming, MI	41	9.4	99	921	211.3
Greensboro–High Point, NC	97	31.7	22	1,977	646.1
Greenville–Anderson–Mauldin, SC	78	21.3	54	1,599	436.4
Harrisburg–Carlisle, PA	35	14.8	76	579	244.4
Hartford–West Hartford–East Hartford, CT	76	15.1	75	2,428	482.0
Honolulu (Urban), HI	54	13.1	84	1,354	327.6
Houston–The Woodlands–Sugar Land, TX	1,122	40.3	10	22,937	822.8
Indianapolis–Carmel–Anderson, IN	194	23.8	45	4,518	553.6
Jackson, MS	112	49.1	5	2,207	967.6
Jacksonville, FL	241	38.8	11	4,677	753.0
Kansas City, MO–KS	160	18.6	61	4,013	465.4
Knoxville, TN	50	13.7	81	866	236.7
Lakeland–Winter Haven, FL	79	27.3	31	1,624	560.3
Lancaster, PA	13	5.9	103	370	168.9
Las Vegas–Henderson–Paradise, NV	392	42.5	9	7,203	781.7
Lexington–Fayette, KY	51	24.2	42	917	434.7
Little Rock–North Little Rock–Conway, AR	114	38.7	12	1,847	627.1
Los Angeles–Long Beach–Anaheim, CA	1,761	32.1	21	49,935	909.1
Anaheim Division	259	19.6	—	6,064	459.9
Los Angeles Division	1,502	36.0	—	43,871	1,051.1
Louisville/Jefferson County, KY–IN	162	30.7	23	2,955	560.7
Madison, WI	28	10.0	96	492	176.2
McAllen–Edinburg–Mission, TX	77	24.0	44	1,195	373.1
Memphis, TN–MS–AR	295	56.4	3	4,969	949.3
Miami–Fort Lauderdale–West Palm Beach, FL	1,664	65.2	1	39,130	1,532.7
Fort Lauderdale Division	494	61.8	—	14,421	1,802.9
Miami Division	977	86.1	—	19,649	1,731.0
West Palm Beach Division	193	31.2	—	5,060	818.7
Milwaukee–Waukesha–West Allis, WI	102	16.0	72	1,879	295.4
Minneapolis–St. Paul–Bloomington, MN–WI	175	11.8	87	5,440	366.6
Modesto, CA	50	23.0	48	638	292.9
Nashville–Davidson–Murfreesboro–Franklin, TN	179	22.9	49	4,042	518.0
New Haven–Milford, CT	59	16.8	67	2,097	595.9
New Orleans–Metairie, LA	238	46.9	7	5,935	1,168.6
New York–Newark–Jersey City, NY–NJ–PA ^e	2,348	29.0	28	97,809	1,208.5
Nassau County Division	148	12.6	—	4,248	361.4
New York Division	1,890	33.0	—	84,224	1,470.8
Newark Division	297	29.1	—	8,564	838.0
North Port–Sarasota–Bradenton, FL	50	14.4	77	1,446	417.2
Ogden–Clearfield, UT	13	4.9	106	348	132.1
Oklahoma City, OK	124	22.1	51	2,322	414.3
Omaha–Council Bluffs, NE–IA	43	11.4	89	308	81.6
Orlando–Kissimmee–Sanford, FL	547	52.0	4	9,095	864.6
Oxnard–Thousand Oaks–Ventura, CA	47	13.4	82	917	261.2
Palm Bay–Melbourne–Titusville, FL	48	19.0	59	1,071	424.0
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	596	24.1	43	17,306	700.9
Camden Division	84	16.5	—	2,062	405.3
Montgomery Division	82	10.0	—	1,098	134.2
Philadelphia Division	379	44.8	—	12,605	1,490.6
Wilmington Division	51	17.2	—	1,541	519.8
Phoenix–Mesa–Scottsdale, AZ	496	24.9	40	10,548	529.1
Pittsburgh, PA	101	10.4	94	2,366	243.1
Portland–South Portland, ME	7	3.1	—	656	292.3

Table 1b. Diagnoses of HIV infection, 2018, and persons living with diagnosed HIV infection (prevalence), year-end 2018, adult and adolescent males, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence	Diagnosis, 2018 ^a			Prevalence of diagnosed HIV infection, year-end 2018 ^b	
	No.	Rate ^c	Rank ^d	No.	Rate ^c
Portland–Vancouver–Hillsboro, OR–WA	159	15.4	74	4,898	474.6
Providence–Warwick, RI–MA	95	14.1	80	1,868	277.8
Provo–Orem, UT	12	5.0	105	190	78.9
Raleigh, NC	108	19.8	56	2,834	519.3
Richmond, VA	180	34.1	17	2,472	468.7
Riverside–San Bernardino–Ontario, CA	469	25.1	39	11,999	642.1
Rochester, NY	52	11.8	88	2,003	453.4
Sacramento–Roseville–Arden–Arcade, CA	162	17.0	66	4,296	451.3
St. Louis, MO–IL	210	18.5	62	5,737	506.2
Salt Lake City, UT	70	14.3	78	1,669	340.5
San Antonio–New Braunfels, TX	309	30.5	25	5,892	582.0
San Diego–Carlsbad, CA	330	23.4	47	11,788	834.6
San Francisco–Oakland–Hayward, CA ^e	556	27.8	30	20,873	1,045.3
Oakland Division	267	23.0	—	7,269	625.7
San Francisco Division	272	37.5	—	12,896	1,775.9
San Jose–Sunnyvale–Santa Clara, CA	151	17.8	64	2,885	339.5
San Juan–Carolina–Caguas, PR	272	32.9	19	6,337	767.5
Scranton–Wilkes-Barre–Hazleton, PA	26	11.2	90	351	150.6
Seattle–Tacoma–Bellevue, WA	274	16.6	68	8,087	488.5
Seattle Division	234	18.1	—	6,899	534.4
Tacoma Division	40	11.0	—	1,188	325.9
Spokane–Spokane Valley, WA	21	8.8	102	577	242.4
Springfield, MA	49	19.0	60	1,434	555.8
Stockton–Lodi, CA	49	16.3	71	1,048	349.2
Syracuse, NY	29	10.8	92	934	349.2
Tampa–St. Petersburg–Clearwater, FL	456	35.2	16	9,772	754.2
Toledo, OH	48	19.7	57	775	317.6
Tucson, AZ	102	23.6	46	2,227	515.3
Tulsa, OK	50	12.6	85	1,564	393.7
Virginia Beach–Norfolk–Newport News, VA–NC	190	26.8	32	4,365	615.7
Washington–Arlington–Alexandria, DC–VA–MD–WV	727	28.8	29	21,858	866.9
Silver Spring Division	96	18.3	—	2,498	476.9
Washington Division	631	31.6	—	19,360	969.2
Wichita, KS	41	15.8	73	766	295.3
Winston-Salem, NC	68	25.3	38	1,376	511.2
Worcester, MA–CT	36	9.1	100	1,367	344.4
Youngstown–Warren–Boardman, OH–PA	30	13.3	83	596	264.6
Subtotal for MSAs (population of ≥500,000)	24,940	27.2	—	636,429	695.0
Metropolitan areas (population of 50,000–499,999)	3,804	15.5	—	79,869	325.6
Nonmetropolitan areas	1,834	9.4	—	43,437	223.0
Total^f	30,675	22.6	—	794,784	586.2

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico. Data for the year 2018 are considered preliminary and are based on death data received by CDC through December 2019 (this applies to prevalence data).

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Data are based on residence at HIV diagnosis.

^b Data are based on address of residence at the end of the specified year (i.e., most recent known address).

^c Rates are per 100,000 population.

^d Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

^e Counts of diagnoses and persons living with diagnosed HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^f Includes persons whose county of residence is unknown.

Table 1c. Diagnoses of HIV infection, 2018, and persons living with diagnosed HIV infection (prevalence), year-end 2018, adult and adolescent females, by metropolitan statistical area of residence—United States and Puerto Rico

MSA of residence	Diagnosis, 2018 ^a			Prevalence of diagnosed HIV infection, year-end 2018 ^b	
	No.	Rate ^c	Rank ^d	No.	Rate ^c
Top 10 MSAs by rate of diagnoses of HIV infection, 2018					
Baton Rouge, LA	72	20.3	1	1,871	527.2
Miami–Fort Lauderdale–West Palm Beach, FL	423	15.4	2	14,586	531.6
Fort Lauderdale Division	132	15.4	—	5,062	592.1
Miami Division	200	16.4	—	6,667	545.4
West Palm Beach Division	91	13.6	—	2,857	428.5
New Orleans–Metairie, LA	69	12.4	3	2,046	366.9
Memphis, TN–MS–AR	69	11.8	4	2,169	370.1
Atlanta–Sandy Springs–Roswell, GA	301	11.7	5	7,527	292.7
Jacksonville, FL	77	11.6	6	2,369	356.4
Orlando–Kissimmee–Sanford, FL	127	11.3	7	3,087	275.8
Augusta–Richmond County, GA–SC	29	11.1	8	747	286.1
Houston–The Woodlands–Sugar Land, TX	304	10.6	9	7,613	265.6
Washington–Arlington–Alexandria, DC–VA–MD–WV	283	10.5	10	9,309	346.9
Silver Spring Division	54	9.5	—	1,543	271.9
Washington Division	229	10.8	—	7,766	366.9
MSAs, alphabetical order					
Akron, OH	5	1.6	—	201	64.3
Albany–Schenectady–Troy, NY	15	3.8	57	720	184.1
Albuquerque, NM	8	2.0	—	192	48.5
Allentown–Bethlehem–Easton, PA–NJ	14	3.8	59	410	111.1
Atlanta–Sandy Springs–Roswell, GA	301	11.7	5	7,527	292.7
Augusta–Richmond County, GA–SC	29	11.1	8	747	286.1
Austin–Round Rock, TX	37	4.1	52	911	100.7
Bakersfield, CA	16	4.6	46	269	78.1
Baltimore–Columbia–Towson, MD	110	8.9	13	5,148	416.5
Baton Rouge, LA	72	20.3	1	1,871	527.2
Birmingham–Hoover, AL	26	5.1	40	1,083	214.2
Boise City, ID	3	1.0	—	45	14.9
Boston–Cambridge–Newton, MA–NH ^e	143	6.6	24	4,046	186.2
Boston Division	71	7.8	—	2,142	234.5
Cambridge Division	71	6.7	—	1,854	174.1
Bridgeport–Stamford–Norwalk, CT	12	2.9	68	915	221.9
Buffalo–Cheektowaga–Niagara Falls, NY	13	2.6	70	758	150.5
Cape Coral–Fort Myers, FL	19	5.6	35	638	188.0
Charleston–North Charleston, SC	27	7.9	15	704	205.8
Charlotte–Concord–Gastonia, NC–SC	53	4.8	43	2,362	212.6
Chattanooga, TN–GA	8	3.2	—	283	114.3
Chicago–Naperville–Elgin, IL–IN–WI	200	4.9	42	5,740	140.1
Chicago Division	178	5.6	—	5,114	161.9
Elgin Division	4	1.5	—	97	36.4
Gary Division	10	3.3	—	289	95.1
Lake County Division	8	2.2	—	240	65.6
Cincinnati, OH–KY–IN	64	6.8	20	966	103.1
Cleveland–Elyria, OH	22	2.4	72	1,133	123.9
Colorado Springs, CO	4	1.3	—	171	56.4
Columbia, SC	35	9.6	12	1,178	322.9
Columbus, OH	52	5.8	32	1,172	131.2
Dallas–Fort Worth–Arlington, TX	217	6.9	19	5,793	184.3
Dallas Division	159	7.6	—	4,310	206.7
Fort Worth Division	58	5.5	—	1,483	140.1
Dayton, OH	6	1.7	—	347	98.2
Deltona–Daytona Beach–Ormond Beach, FL	18	6.0	30	569	190.7
Denver–Aurora–Lakewood, CO	23	1.9	75	1,104	89.4
Des Moines–West Des Moines, IA	11	4.0	—	185	67.8
Detroit–Warren–Dearborn, MI	86	4.5	47	2,181	115.3
Detroit Division	58	7.6	—	1,567	205.1
Warren Division	28	2.5	—	614	54.5

Table 1c. Diagnoses of HIV infection, 2018, and persons living with diagnosed HIV infection (prevalence), year-end 2018, adult and adolescent females, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence	Diagnosis, 2018 ^a			Prevalence of diagnosed HIV infection, year-end 2018 ^b	
	No.	Rate ^c	Rank ^d	No.	Rate ^c
Durham–Chapel Hill, NC	19	7.3	16	585	226.0
El Paso, TX	8	2.3	—	284	81.8
Fayetteville–Springdale–Rogers, AR–MO	5	2.2	—	112	49.5
Fresno, CA	9	2.3	—	317	79.7
Grand Rapids–Wyoming, MI	8	1.8	—	259	57.5
Greensboro–High Point, NC	23	6.7	22	818	239.3
Greenville–Anderson–Mauldin, SC	16	4.1	53	509	128.9
Harrisburg–Carlisle, PA	6	2.4	—	230	92.2
Hartford–West Hartford–East Hartford, CT	23	4.3	50	1,173	219.2
Honolulu (Urban), HI	3	0.7	—	176	42.7
Houston–The Woodlands–Sugar Land, TX	304	10.6	9	7,613	265.6
Indianapolis–Carmel–Anderson, IN	56	6.4	25	1,189	136.7
Jackson, MS	25	9.9	11	1,032	406.9
Jacksonville, FL	77	11.6	6	2,369	356.4
Kansas City, MO–KS	45	5.0	41	818	90.1
Knoxville, TN	16	4.1	51	231	59.4
Lakeland–Winter Haven, FL	26	8.5	14	818	266.5
Lancaster, PA	3	1.3	—	194	83.4
Las Vegas–Henderson–Paradise, NV	58	6.2	28	1,397	149.3
Lexington–Fayette, KY	12	5.4	38	191	85.4
Little Rock–North Little Rock–Conway, AR	18	5.6	34	459	142.8
Los Angeles–Long Beach–Anaheim, CA	215	3.8	60	6,393	111.7
Anaheim Division	27	2.0	—	815	59.4
Los Angeles Division	188	4.3	—	5,578	128.1
Louisville/Jefferson County, KY–IN	29	5.2	39	747	132.9
Madison, WI	1	0.4	—	99	35.0
McAllen–Edinburg–Mission, TX	15	4.4	48	269	78.7
Memphis, TN–MS–AR	69	11.8	4	2,169	370.1
Miami–Fort Lauderdale–West Palm Beach, FL	423	15.4	2	14,586	531.6
Fort Lauderdale Division	132	15.4	—	5,062	592.1
Miami Division	200	16.4	—	6,667	545.4
West Palm Beach Division	91	13.6	—	2,857	428.5
Milwaukee–Waukesha–West Allis, WI	17	2.5	71	450	66.2
Minneapolis–St. Paul–Bloomington, MN–WI	55	3.6	62	1,803	118.1
Modesto, CA	11	4.9	—	157	69.8
Nashville–Davidson–Murfreesboro–Franklin, TN	36	4.3	49	1,065	128.4
New Haven–Milford, CT	23	6.0	31	1,134	294.2
New Orleans–Metairie, LA	69	12.4	3	2,046	366.9
New York–Newark–Jersey City, NY–NJ–PA ^e	628	7.1	17	40,864	464.5
Nassau County Division	44	3.5	—	1,895	152.4
New York Division	469	7.5	—	33,845	538.1
Newark Division	110	10.1	—	4,870	446.2
North Port–Sarasota–Bradenton, FL	18	4.7	44	544	142.4
Ogden–Clearfield, UT	2	0.8	—	55	21.0
Oklahoma City, OK	13	2.2	73	495	84.6
Omaha–Council Bluffs, NE–IA	7	1.8	—	77	19.8
Orlando–Kissimmee–Sanford, FL	127	11.3	7	3,087	275.8
Oxnard–Thousand Oaks–Ventura, CA	5	1.4	—	153	42.3
Palm Bay–Melbourne–Titusville, FL	15	5.6	33	505	188.6
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	181	6.7	21	7,209	268.4
Camden Division	15	2.8	—	864	158.6
Montgomery Division	21	2.4	—	334	38.6
Philadelphia Division	126	13.1	—	5,211	543.8
Wilmington Division	19	6.0	—	800	252.3
Phoenix–Mesa–Scottsdale, AZ	78	3.8	58	1,743	85.5
Pittsburgh, PA	15	1.4	77	600	57.7
Portland–South Portland, ME	4	1.7	—	201	83.4
Portland–Vancouver–Hillsboro, OR–WA	19	1.8	76	604	56.7
Providence–Warwick, RI–MA	20	2.8	69	742	102.5

Table 1c. Diagnoses of HIV infection, 2018, and persons living with diagnosed HIV infection (prevalence), year-end 2018, adult and adolescent females, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence	Diagnosis, 2018 ^a			Prevalence of diagnosed HIV infection, year-end 2018 ^b	
	No.	Rate ^c	Rank ^d	No.	Rate ^c
Provo–Orem, UT	1	0.4	—	28	11.7
Raleigh, NC	23	3.9	55	987	169.0
Richmond, VA	27	4.7	45	814	141.1
Riverside–San Bernardino–Ontario, CA	62	3.3	66	1,484	77.9
Rochester, NY	7	1.5	—	864	182.2
Sacramento–Roseville–Arden–Arcade, CA	30	3.0	67	829	82.0
St. Louis, MO–IL	45	3.7	61	1,398	113.8
Salt Lake City, UT	6	1.2	—	310	63.3
San Antonio–New Braunfels, TX	42	4.0	54	1,006	95.9
San Diego–Carlsbad, CA	48	3.4	65	1,343	95.7
San Francisco–Oakland–Hayward, CA ^e	72	3.5	64	2,481	120.4
Oakland Division	43	3.5	—	1,461	119.4
San Francisco Division	25	3.5	—	931	128.8
San Jose–Sunnyvale–Santa Clara, CA	18	2.2	74	435	52.2
San Juan–Carolina–Caguas, PR	58	6.1	29	2,712	286.7
Scranton–Wilkes-Barre–Hazleton, PA	11	4.5	—	159	65.1
Seattle–Tacoma–Bellevue, WA	115	6.9	18	1,435	86.3
Seattle Division	94	7.3	—	1,130	87.6
Tacoma Division	21	5.6	—	305	81.8
Spokane–Spokane Valley, WA	1	0.4	—	98	40.1
Springfield, MA	16	5.6	36	728	253.7
Stockton–Lodi, CA	17	5.6	37	268	87.5
Syracuse, NY	6	2.1	—	385	134.2
Tampa–St. Petersburg–Clearwater, FL	89	6.4	27	3,046	217.8
Toledo, OH	6	2.3	—	262	100.1
Tucson, AZ	11	2.4	—	352	78.0
Tulsa, OK	15	3.6	63	348	82.9
Virginia Beach–Norfolk–Newport News, VA–NC	49	6.6	23	1,671	224.8
Washington–Arlington–Alexandria, DC–VA–MD–WV	283	10.5	10	9,309	346.9
Silver Spring Division	54	9.5	—	1,543	271.9
Washington Division	229	10.8	—	7,766	366.9
Wichita, KS	3	1.1	—	169	63.2
Winston-Salem, NC	19	6.4	26	603	202.7
Worcester, MA–CT	16	3.9	56	761	184.2
Youngstown–Warren–Boardman, OH–PA	3	1.3	—	183	76.8
Subtotal for MSAs (population of ≥500,000)	5,603	5.8	—	192,408	198.8
Metropolitan areas (population of 50,000–499,999)	1,019	4.0	—	27,088	106.3
Nonmetropolitan areas	537	2.7	—	13,774	70.4
Total^f	7,189	5.1	—	244,896	172.7

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico. Data for the year 2018 are considered preliminary and are based on death data received by CDC through December 2019 (this applies to prevalence data).

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Data are based on residence at HIV diagnosis.

^b Data are based on address of residence at the end of the specified year (i.e., most recent known address).

^c Rates are per 100,000 population.

^d Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

^e Counts of diagnoses and persons living with diagnosed HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^f Includes persons whose county of residence is unknown.

Table 2a. Diagnoses of HIV infection among adult and adolescent males, by age and metropolitan statistical area of residence, 2018—United States and Puerto Rico

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
Akron, OH	15	26.1	50	15	32.7	73	7	17.6	—	5	11.2	—	6	5.8	—
Albany–Schenectady–Troy, NY	5	6.7	—	15	25.6	87	7	13.5	—	4	7.0	—	4	3.1	—
Albuquerque, NM	11	15.4	—	19	28.5	84	5	8.6	—	10	18.4	—	2	1.6	—
Allentown–Bethlehem–Easton, PA–NJ	8	11.9	—	17	31.9	76	6	12.1	—	4	7.2	—	3	2.4	—
Atlanta–Sandy Springs–Roswell, GA	337	69.3	5	564	135.9	2	216	55.2	5	133	32.6	13	99	15.2	4
Augusta–Richmond County, GA–SC	39	79.4	2	38	88.1	10	17	47.7	9	17	47.9	2	6	7.5	—
Austin–Round Rock, TX	52	29.7	43	93	47.7	49	51	29.4	34	23	16.4	37	12	5.5	31
Bakersfield, CA	34	40.3	22	52	68.9	21	24	39.6	16	19	37.1	8	8	8.7	—
Baltimore–Columbia–Towson, MD	85	40.1	23	129	64.4	24	57	33.3	28	44	24.8	20	29	7.9	19
Baton Rouge, LA	35	47.9	16	54	89.7	9	31	58.6	4	23	46.6	3	12	12.1	6
Birmingham–Hoover, AL	43	50.0	11	53	69.3	20	18	25.4	46	11	15.3	—	9	5.9	—
Boise City, ID	4	6.5	—	4	7.8	—	1	2.0	—	4	8.8	—	2	2.2	—
Boston–Cambridge–Newton, MA–NH ^c	40	10.3	74	128	34.5	68	81	27.0	42	44	13.9	46	41	6.4	27
Boston Division	17	10.4	—	70	41.9	—	48	38.5	—	26	20.3	—	20	7.8	—
Cambridge Division	23	12.1	—	57	32.3	—	31	20.5	—	16	10.2	—	21	6.6	—
Bridgeport–Stamford–Norwalk, CT	9	11.6	—	12	22.0	92	8	14.0	—	6	8.9	—	7	5.4	—
Buffalo–Cheektowaga–Niagara Falls, NY	16	18.7	64	12	15.0	94	5	8.1	—	7	10.0	—	2	1.2	—
Cape Coral–Fort Myers, FL	10	21.8	—	25	59.8	30	8	20.7	—	5	11.7	—	8	5.3	—
Charleston–North Charleston, SC	30	49.9	12	37	60.7	28	15	29.4	35	16	33.4	10	9	9.0	—
Charlotte–Concord–Gastonia, NC–SC	74	37.2	25	114	63.9	26	60	35.4	24	39	22.0	27	21	7.0	22
Chattanooga, TN–GA	5	12.2	—	21	55.5	35	5	14.8	—	7	19.6	—	8	10.0	—
Chicago–Naperville–Elgin, IL–IN–WI	255	33.7	35	369	53.7	41	181	28.9	36	133	21.7	28	69	5.8	29
Chicago Division	219	39.1	—	335	60.5	—	156	32.0	—	115	24.6	—	59	6.6	—
Elgin Division	11	18.6	—	9	22.7	—	5	11.9	—	4	9.3	—	2	2.6	—
Gary Division	16	28.5	—	13	30.6	—	9	20.6	—	8	18.3	—	5	5.1	—
Lake County Division	9	11.2	—	12	23.1	—	11	20.4	—	6	10.0	—	3	2.6	—
Cincinnati, OH–KY–IN	53	29.7	42	82	55.4	36	43	32.1	31	34	24.5	21	8	2.8	—
Cleveland–Elyria, OH	37	24.1	54	56	42.4	57	26	22.3	56	14	10.9	52	18	5.9	28
Colorado Springs, CO	12	17.2	65	22	35.7	65	7	14.7	—	3	7.0	—	0	0.0	—
Columbia, SC	30	39.0	24	49	85.7	11	18	36.3	22	10	20.0	—	3	2.9	—
Columbus, OH	40	23.9	55	77	46.3	54	35	24.8	49	19	14.2	45	11	4.5	—
Dallas–Fort Worth–Arlington, TX	270	42.9	19	438	78.6	16	199	38.2	17	121	24.5	22	63	7.9	18
Dallas Division	202	48.2	—	349	92.9	—	160	45.1	—	93	27.9	—	50	9.8	—
Fort Worth Division	68	32.2	—	89	49.1	—	39	23.5	—	28	17.4	—	13	4.6	—
Dayton, OH	22	34.1	32	20	37.2	63	12	26.4	43	14	29.1	16	5	4.4	—
Deltona–Daytona Beach–Ormond Beach, FL	16	36.3	28	27	71.1	19	11	32.8	—	10	25.6	—	7	5.6	—
Denver–Aurora–Lakewood, CO	47	21.8	57	102	40.1	59	48	21.8	57	21	10.9	51	22	6.4	26

Table 2a. Diagnoses of HIV infection among adult and adolescent males, by age and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
Des Moines–West Des Moines, IA	4	7.9	—	15	30.8	77	2	4.4	—	3	7.3	—	3	4.0	—
Detroit–Warren–Dearborn, MI	111	33.9	34	156	53.2	42	47	18.7	61	44	15.2	42	29	4.8	34
Detroit Division	78	57.5	—	97	79.1	—	26	26.6	—	24	21.7	—	17	7.5	—
Warren Division	33	17.2	—	59	34.6	—	21	13.6	—	20	11.2	—	12	3.2	—
Durham–Chapel Hill, NC	20	42.3	20	22	52.0	45	11	30.5	—	2	5.7	—	6	8.5	—
El Paso, TX	40	48.1	15	37	55.5	34	23	43.9	12	11	24.0	—	10	11.8	—
Fayetteville–Springdale–Rogers, AR–MO	6	11.9	—	8	19.5	—	3	7.9	—	1	3.1	—	3	5.0	—
Fresno, CA	31	35.0	30	36	46.1	55	16	25.1	47	10	18.1	—	6	5.7	—
Grand Rapids–Wyoming, MI	7	7.6	—	14	18.0	93	6	9.1	—	9	14.0	—	5	3.7	—
Greensboro–High Point, NC	42	68.2	6	29	59.8	29	7	16.1	—	8	15.9	—	11	10.8	—
Greenville–Anderson–Mauldin, SC	11	14.8	—	31	52.3	43	17	31.7	32	13	22.7	25	6	4.9	—
Harrisburg–Carlisle, PA	13	30.3	40	12	30.5	79	4	11.6	—	6	16.2	—	0	0.0	—
Hartford–West Hartford–East Hartford, CT	14	13.8	71	27	34.2	69	11	15.6	—	19	24.0	24	5	2.9	—
Honolulu (Urban), HI	7	9.0	—	20	25.3	89	15	23.6	52	6	10.2	—	6	4.5	—
Houston–The Woodlands–Sugar Land, TX	286	48.9	14	434	82.2	13	190	38.1	18	145	32.7	12	67	9.1	12
Indianapolis–Carmel–Anderson, IN	59	36.5	27	76	52.3	44	30	22.4	55	16	12.3	49	13	5.3	33
Jackson, MS	33	69.7	4	39	97.9	5	24	65.3	2	10	29.4	—	6	8.6	—
Jacksonville, FL	64	56.5	10	91	81.5	15	39	41.1	13	29	29.9	14	18	8.8	14
Kansas City, MO–KS	38	23.5	56	56	36.4	64	34	24.1	50	22	16.5	36	10	3.7	—
Knoxville, TN	8	11.2	—	23	41.4	58	9	17.3	—	6	10.6	—	4	3.1	—
Lakeland–Winter Haven, FL	14	26.4	48	38	81.7	14	15	36.4	21	8	19.0	—	4	3.7	—
Lancaster, PA	3	7.1	—	5	13.9	—	3	9.8	—	2	6.2	—	0	0.0	—
Las Vegas–Henderson–Paradise, NV	78	46.8	17	157	93.4	8	77	49.9	8	49	32.8	11	31	11.0	7
Lexington–Fayette, KY	10	21.5	—	18	48.1	48	11	33.0	—	5	15.8	—	7	11.3	—
Little Rock–North Little Rock–Conway, AR	37	62.3	7	48	93.6	7	14	30.1	33	12	27.3	17	3	3.2	—
Los Angeles–Long Beach–Anaheim, CA	379	36.2	29	687	64.0	25	339	37.8	19	230	25.9	19	126	7.9	17
Anaheim Division	63	25.1	—	95	40.1	—	48	23.5	—	30	13.7	—	23	5.6	—
Los Angeles Division	316	39.7	—	592	70.7	—	291	42.0	—	200	30.0	—	103	8.7	—
Louisville/Jefferson County, KY–IN	44	45.3	18	69	77.0	18	33	40.2	15	13	15.6	41	3	1.7	—
Madison, WI	9	14.8	—	6	11.6	—	6	13.7	—	6	15.1	—	1	1.2	—
McAllen–Edinburg–Mission, TX	18	20.7	60	32	54.3	40	18	33.8	27	3	6.7	—	6	7.9	—
Memphis, TN–MS–AR	92	84.5	1	103	110.8	3	43	53.4	6	30	36.8	9	27	16.9	3
Miami–Fort Lauderdale–West Palm Beach, FL	252	58.3	8	616	145.3	1	323	80.6	1	272	63.7	1	201	23.1	1
Fort Lauderdale Division	81	59.1	—	198	150.2	—	82	64.6	—	85	63.5	—	48	17.8	—
Miami Division	130	66.3	—	357	177.3	—	198	104.5	—	164	81.8	—	128	36.8	—
West Palm Beach Division	41	41.3	—	61	67.3	—	43	51.0	—	23	24.9	—	25	9.9	—
Milwaukee–Waukesha–West Allis, WI	25	20.3	61	36	33.0	72	16	16.4	65	16	16.6	35	9	4.3	—
Minneapolis–St. Paul–Bloomington, MN–WI	25	9.0	75	69	25.6	88	46	18.8	60	26	11.1	50	9	2.0	—

Table 2a. Diagnoses of HIV infection among adult and adolescent males, by age and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
Modesto, CA	10	20.9	—	18	44.5	56	13	37.0	20	5	15.5	—	4	6.4	—
Nashville–Davidson–Murfreesboro–Franklin, TN	41	26.9	47	74	50.5	46	31	23.8	51	20	16.0	40	13	5.7	30
New Haven–Milford, CT	15	21.5	58	22	38.2	61	2	4.1	—	10	18.1	—	10	8.3	—
New Orleans–Metairie, LA	63	70.0	3	91	100.3	4	41	51.6	7	34	44.5	4	9	5.3	—
New York–Newark–Jersey City, NY–NJ–PA ^c	440	29.8	41	898	61.1	27	435	34.0	25	314	24.2	23	261	10.1	9
Nassau County Division	20	9.0	—	53	30.9	—	40	23.8	—	15	7.5	—	20	4.8	—
New York Division	360	35.1	—	739	66.0	—	337	36.3	—	254	28.5	—	200	11.3	—
Newark Division	60	30.9	—	101	65.5	—	57	35.7	—	41	22.9	—	38	11.4	—
North Port–Sarasota–Bradenton, FL	6	13.1	—	13	33.5	70	15	40.3	14	10	22.0	—	6	3.3	—
Ogden–Clearfield, UT	4	6.4	—	4	8.2	—	2	4.1	—	3	8.5	—	0	0.0	—
Oklahoma City, OK	31	26.2	49	48	46.3	53	26	28.4	37	13	16.3	39	6	3.6	—
Omaha–Council Bluffs, NE–IA	10	13.2	—	16	23.2	91	4	6.3	—	7	12.4	—	6	5.3	—
Orlando–Kissimmee–Sanford, FL	116	57.7	9	192	96.7	6	112	64.4	3	70	42.5	5	57	18.2	2
Oxnard–Thousand Oaks–Ventura, CA	7	10.1	—	22	37.2	62	9	17.0	—	3	5.4	—	6	5.3	—
Palm Bay–Melbourne–Titusville, FL	9	22.6	—	10	28.7	—	9	29.8	—	9	24.8	—	11	9.9	—
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	155	33.2	36	202	46.3	52	101	27.4	39	75	19.4	32	63	7.8	20
Camden Division	23	24.0	—	28	33.9	—	13	17.1	—	12	14.4	—	8	4.7	—
Montgomery Division	12	8.1	—	27	22.6	—	13	10.8	—	13	9.6	—	17	5.8	—
Philadelphia Division	108	64.5	—	131	71.6	—	65	50.9	—	45	37.4	—	30	12.1	—
Wilmington Division	12	21.3	—	16	31.3	—	10	22.9	—	5	10.6	—	8	8.1	—
Phoenix–Mesa–Scottsdale, AZ	103	25.9	52	197	54.5	39	90	28.2	38	66	22.0	26	40	6.5	25
Pittsburgh, PA	23	14.1	70	46	28.9	82	11	8.2	—	11	7.5	—	10	2.7	—
Portland–South Portland, ME	0	0.0	—	4	11.5	—	2	6.4	—	1	2.8	—	0	0.0	—
Portland–Vancouver–Hillsboro, OR–WA	27	15.2	68	62	32.2	75	35	19.1	59	21	12.8	48	14	4.5	36
Providence–Warwick, RI–MA	20	15.4	67	30	27.0	85	16	16.8	63	18	16.9	34	11	4.8	—
Provo–Orem, UT	4	4.8	—	4	8.5	—	3	7.4	—	0	0.0	—	1	2.3	—
Raleigh, NC	35	32.0	38	45	47.2	50	16	16.5	64	10	10.4	—	2	1.4	—
Richmond, VA	49	49.7	13	78	83.2	12	29	35.7	23	10	12.0	—	14	8.2	16
Riverside–San Bernardino–Ontario, CA	107	26.0	51	173	50.0	47	74	24.9	48	57	20.1	30	58	10.9	8
Rochester, NY	10	11.6	—	22	30.6	78	7	12.0	—	7	10.4	—	6	3.8	—
Sacramento–Roseville–Arden–Arcade, CA	37	19.7	62	50	29.6	80	41	27.2	40	25	17.4	33	9	3.0	—
St. Louis, MO–IL	69	33.1	37	67	35.4	66	32	18.6	62	26	15.1	43	16	4.1	37
Salt Lake City, UT	14	13.0	72	29	28.5	83	11	12.0	—	9	12.9	—	7	5.8	—
San Antonio–New Braunfels, TX	60	27.4	46	128	65.7	23	57	34.0	26	45	29.8	15	19	6.8	24
San Diego–Carlsbad, CA	55	19.1	63	135	46.8	51	59	25.8	45	44	21.4	29	37	9.2	11
San Francisco–Oakland–Hayward, CA ^c	87	27.5	45	227	57.5	32	115	33.2	29	85	26.2	18	42	6.8	23
Oakland Division	46	22.6	—	110	51.3	—	51	25.3	—	36	19.0	—	24	6.8	—
San Francisco Division	38	39.6	—	112	66.5	—	59	45.6	—	45	39.2	—	18	8.3	—

Table 2a. Diagnoses of HIV infection among adult and adolescent males, by age and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
San Jose–Sunnyvale–Santa Clara, CA	22	14.4	69	58	33.4	71	40	27.0	41	18	13.0	47	13	5.5	32
San Juan–Carolina–Caguas, PR	49	30.9	39	82	66.3	22	53	44.7	11	51	40.5	6	37	12.4	5
Scranton–Wilkes-Barre–Hazleton, PA	8	19.3	—	10	27.5	—	4	12.6	—	1	2.7	—	3	3.5	—
Seattle–Tacoma–Bellevue, WA	36	12.8	73	112	32.3	74	67	23.1	54	37	14.2	44	22	4.6	35
Seattle Division	30	14.2	—	94	34.1	—	57	24.6	—	32	15.6	—	21	5.7	—
Tacoma Division	6	8.5	—	18	25.2	—	10	17.0	—	5	9.1	—	1	0.9	—
Spokane–Spokane Valley, WA	3	6.7	—	6	14.2	—	7	20.0	—	5	14.8	—	0	0.0	—
Springfield, MA	10	16.5	—	14	34.8	67	8	24.3	—	10	26.9	—	7	8.0	—
Stockton–Lodi, CA	14	20.9	59	16	29.6	81	10	20.3	—	4	8.7	—	5	6.0	—
Syracuse, NY	10	18.4	—	5	12.0	—	7	19.8	—	6	14.6	—	1	1.1	—
Tampa–St. Petersburg–Clearwater, FL	87	40.7	21	160	77.4	17	86	45.4	10	81	39.8	7	42	8.7	15
Toledo, OH	13	25.2	53	16	39.0	60	5	14.7	—	9	25.2	—	5	6.1	—
Tucson, AZ	26	27.9	44	38	54.6	38	14	23.6	53	10	17.9	—	14	9.1	13
Tulsa, OK	13	16.5	66	17	24.8	90	8	12.9	—	6	10.0	—	6	4.7	—
Virginia Beach–Norfolk–Newport News, VA–NC	53	34.7	31	78	56.6	33	28	26.4	44	16	16.3	38	15	7.0	21
Washington–Arlington–Alexandria, DC–VA–MD–WV	160	34.1	33	271	58.4	31	144	32.6	30	84	19.9	31	68	9.4	10
Silver Spring Division	20	20.6	—	34	41.1	—	23	26.6	—	11	12.5	—	8	4.7	—
Washington Division	140	37.6	—	237	62.2	—	121	34.0	—	73	21.9	—	60	10.8	—
Wichita, KS	11	20.3	—	12	27.0	86	10	25.4	—	6	16.4	—	2	2.4	—
Winston-Salem, NC	19	37.1	26	22	55.0	37	6	15.9	—	11	24.3	—	10	10.5	—
Worcester, MA–CT	5	6.5	—	8	12.7	—	12	21.2	58	8	12.0	—	3	2.2	—
Youngstown–Warren–Boardman, OH–PA	7	17.4	—	10	31.3	—	5	16.9	—	4	11.8	—	4	4.5	—
Subtotal for MSAs (population of ≥500,000)	5,567	31.5	—	9,496	57.6	—	4,546	31.2	—	3,207	22.3	—	2,124	7.5	—
Metropolitan areas (population of 50,000–499,999)	945	18.4	—	1,412	35.0	—	626	17.8	—	484	13.8	—	337	4.0	—
Nonmetropolitan areas	386	10.5	—	613	21.3	—	354	13.1	—	264	9.2	—	217	2.9	—
Total^d	6,910	26.1	—	11,560	49.4	—	5,544	26.7	—	3,969	19.1	—	2,692	6.1	—

Abbreviation: MSA, metropolitan statistical area.

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico. Data are based on residence at time of diagnosis of HIV infection.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Rates are per 100,000 population.^b Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.^c Counts of diagnoses of HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.^d Includes persons whose county of residence is unknown.

Table 2b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥ 55 years	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Akron, OH	48	83.5	168	366.7	129	323.8	204	457.9	281	271.4
Albany–Schenectady–Troy, NY	32	42.6	179	305.8	189	364.9	404	709.2	643	503.5
Albuquerque, NM	50	69.9	246	369.0	274	468.6	440	808.2	604	478.3
Allentown–Bethlehem–Easton, PA–NJ	21	31.3	84	157.5	109	219.9	215	386.7	326	261.0
Atlanta–Sandy Springs–Roswell, GA	1,149	236.1	6,973	1,680.7	6,123	1,565.6	7,575	1,857.0	7,146	1,095.7
Augusta–Richmond County, GA–SC	102	207.7	331	767.3	256	718.4	364	1,026.1	547	686.7
Austin–Round Rock, TX	194	110.8	1,115	572.2	1,158	668.2	1,435	1,020.4	1,468	672.0
Bakersfield, CA	79	93.7	288	381.5	268	442.5	357	698.0	436	472.0
Baltimore–Columbia–Towson, MD	270	127.4	1,614	806.3	1,515	884.8	2,416	1,364.5	4,047	1,106.3
Baton Rouge, LA	159	217.7	691	1,147.3	712	1,346.9	807	1,634.2	936	940.7
Birmingham–Hoover, AL	133	154.8	670	875.8	591	833.0	839	1,163.7	986	651.3
Boise City, ID	1	1.6	18	35.0	20	40.2	58	127.9	90	98.6
Boston–Cambridge–Newton, MA–NH ^b	195	50.1	1,184	318.7	1,502	499.9	3,005	948.4	4,346	674.1
Boston Division	97	59.4	664	397.3	882	707.1	1,739	1,359.4	2,613	1,017.3
Cambridge Division	96	50.3	501	283.7	589	390.4	1,184	751.6	1,619	506.0
Bridgeport–Stamford–Norwalk, CT	32	41.3	202	369.8	250	436.5	464	691.5	794	615.8
Buffalo–Cheektowaga–Niagara Falls, NY	71	83.2	294	368.5	278	447.9	481	684.8	660	392.8
Cape Coral–Fort Myers, FL	46	100.4	202	482.8	203	524.6	465	1,087.1	597	392.3
Charleston–North Charleston, SC	77	128.0	403	661.1	315	617.7	453	945.0	685	682.6
Charlotte–Concord–Gastonia, NC–SC	275	138.4	1,431	802.0	1,133	667.6	1,674	943.2	1,746	581.5
Chattanooga, TN–GA	22	53.7	149	393.5	153	451.7	292	816.6	273	340.9
Chicago–Naperville–Elgin, IL–IN–WI	934	123.6	4,643	675.1	4,602	734.0	6,064	988.3	7,265	612.3
Chicago Division	846	151.1	4,262	769.8	4,223	866.0	5,559	1,191.4	6,640	741.0
Elgin Division	23	38.9	60	151.1	66	157.6	100	232.4	93	119.8
Gary Division	40	71.2	187	439.6	161	368.9	220	503.1	312	317.5
Lake County Division	25	31.0	134	258.5	152	282.2	185	307.3	220	191.9
Cincinnati, OH–KY–IN	150	84.2	763	515.5	595	444.8	861	620.1	1,065	368.7
Cleveland–Elyria, OH	185	120.6	825	624.5	688	590.5	1,114	866.5	1,509	492.5
Colorado Springs, CO	26	37.3	128	207.4	120	252.6	208	484.8	279	322.8
Columbia, SC	131	170.5	681	1,190.5	527	1,062.6	778	1,556.0	954	923.8
Columbus, OH	154	92.0	911	547.3	871	618.1	1,327	989.4	1,291	527.0
Dallas–Fort Worth–Arlington, TX	989	157.0	4,966	891.4	4,746	910.9	6,017	1,217.4	5,950	749.2
Dallas Division	753	179.6	3,938	1,047.7	3,839	1,082.2	4,751	1,426.3	4,622	903.2
Fort Worth Division	236	111.9	1,028	567.2	907	545.5	1,266	785.6	1,328	470.2
Dayton, OH	70	108.4	246	457.0	233	513.2	305	633.7	451	392.6
Deltona–Daytona Beach–Ormond Beach, FL	60	136.2	191	503.3	176	524.6	406	1,039.3	556	445.7
Denver–Aurora–Lakewood, CO	167	77.3	1,056	415.1	1,428	647.1	2,165	1,123.9	3,517	1,026.4

Table 2b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥ 55 years	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Des Moines–West Des Moines, IA	25	49.5	116	238.3	137	299.2	188	458.5	230	304.0
Detroit–Warren–Dearborn, MI	399	121.7	1,891	644.8	1,363	542.0	1,895	656.1	2,394	397.7
Detroit Division	279	205.5	1,296	1,056.5	897	919.0	1,184	1,069.4	1,514	669.8
Warren Division	120	62.5	595	348.7	466	302.8	711	399.2	880	234.1
Durham–Chapel Hill, NC	68	143.9	286	676.3	271	752.3	391	1,109.1	581	819.7
El Paso, TX	90	108.3	370	555.0	381	727.4	545	1,187.0	563	662.5
Fayetteville–Springdale–Rogers, AR–MO	25	49.8	63	153.7	106	278.1	175	536.4	159	263.5
Fresno, CA	91	102.9	333	426.3	360	565.2	398	720.1	482	458.3
Grand Rapids–Wyoming, MI	39	42.2	137	176.4	175	266.3	269	417.9	301	221.7
Greensboro–High Point, NC	147	238.7	395	814.6	365	838.9	496	986.0	574	562.2
Greenville–Anderson–Mauldin, SC	53	71.4	319	538.5	284	529.9	457	797.6	486	398.2
Harrisburg–Carlisle, PA	20	46.6	89	226.1	87	251.3	158	426.3	225	271.1
Hartford–West Hartford–East Hartford, CT	52	51.2	269	340.4	342	484.0	676	855.4	1,089	627.7
Honolulu (Urban), HI	19	24.3	171	216.6	227	356.9	327	558.3	610	455.1
Houston–The Woodlands–Sugar Land, TX	953	162.9	4,996	946.4	4,877	977.7	5,903	1,331.7	6,208	847.5
Indianapolis–Carmel–Anderson, IN	202	124.8	908	624.8	874	651.8	1,258	969.0	1,276	520.8
Jackson, MS	101	213.3	501	1,258.2	417	1,134.9	569	1,672.8	619	882.4
Jacksonville, FL	212	187.0	976	873.8	847	892.1	1,167	1,203.5	1,475	722.4
Kansas City, MO–KS	130	80.4	682	443.3	768	544.9	1,091	816.1	1,342	493.1
Knoxville, TN	33	46.1	135	242.8	156	299.9	275	484.0	267	205.7
Lakeland–Winter Haven, FL	57	107.5	256	550.7	284	690.0	412	978.9	615	574.2
Lancaster, PA	14	32.9	45	125.5	60	195.5	118	368.0	133	170.8
Las Vegas–Henderson–Paradise, NV	238	142.7	1,520	904.5	1,466	949.1	1,975	1,320.5	2,004	708.9
Lexington–Fayette, KY	30	64.4	161	430.3	194	581.1	263	831.6	269	434.4
Little Rock–North Little Rock–Conway, AR	109	183.5	437	852.4	367	789.9	428	975.3	506	541.0
Los Angeles–Long Beach–Anaheim, CA	1,235	117.9	8,042	748.7	10,095	1,125.9	14,463	1,631.1	16,100	1,013.9
Anaheim Division	195	77.6	979	413.6	1,246	610.5	1,720	784.0	1,924	472.6
Los Angeles Division	1,040	130.7	7,063	843.4	8,849	1,277.8	12,743	1,909.5	14,176	1,200.6
Louisville/Jefferson County, KY–IN	118	121.5	604	674.1	551	672.0	766	919.3	916	523.5
Madison, WI	20	32.9	86	166.6	83	189.3	133	334.2	170	204.7
McAllen–Edinburg–Mission, TX	58	66.8	266	451.4	325	610.0	302	671.3	244	320.1
Memphis, TN–MS–AR	297	272.9	1,143	1,229.5	1,036	1,287.5	1,245	1,526.1	1,248	782.0
Miami–Fort Lauderdale–West Palm Beach, FL	885	204.7	5,031	1,187.0	6,146	1,533.4	11,123	2,605.9	15,945	1,834.5
Fort Lauderdale Division	296	215.9	1,706	1,293.9	2,084	1,641.5	4,200	3,138.5	6,135	2,270.8
Miami Division	457	233.0	2,711	1,346.7	3,372	1,779.3	5,600	2,791.8	7,509	2,160.4
West Palm Beach Division	132	133.1	614	677.1	690	818.2	1,323	1,431.3	2,301	915.2
Milwaukee–Waukesha–West Allis, WI	82	66.7	383	351.6	338	346.8	481	497.6	595	283.1
Minneapolis–St. Paul–Bloomington, MN–WI	140	50.6	824	306.0	1,041	425.0	1,565	669.7	1,870	407.0

Table 2b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥ 55 years	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Modesto, CA	20	41.9	101	249.9	122	347.3	197	609.1	198	318.2
Nashville–Davidson–Murfreesboro–Franklin, TN	150	98.6	805	549.4	712	546.9	1,169	935.0	1,206	532.9
New Haven–Milford, CT	64	91.9	258	447.8	273	562.4	534	967.6	968	800.5
New Orleans–Metairie, LA	264	293.5	1,187	1,307.7	1,148	1,443.6	1,421	1,858.2	1,915	1,118.8
New York–Newark–Jersey City, NY–NJ–PA ^b	2,187	148.2	14,007	953.6	15,843	1,239.2	25,106	1,933.8	40,666	1,581.2
Nassau County Division	113	50.6	634	370.2	657	391.2	1,053	528.9	1,791	432.8
New York Division	1,838	179.1	12,175	1,088.1	13,778	1,485.2	21,700	2,435.3	34,733	1,970.9
Newark Division	220	113.4	1,125	729.4	1,306	818.4	2,168	1,208.8	3,745	1,118.9
North Port–Sarasota–Bradenton, FL	25	54.5	132	339.9	203	545.1	389	855.1	697	389.0
Ogden–Clearfield, UT	10	16.0	70	144.0	78	159.1	82	231.4	108	159.3
Oklahoma City, OK	82	69.2	464	447.2	437	477.2	634	793.4	705	422.8
Omaha–Council Bluffs, NE–IA	8	10.6	42	61.0	60	95.2	103	182.3	95	83.7
Orlando–Kissimmee–Sanford, FL	366	182.2	1,686	848.7	1,694	973.3	2,456	1,492.2	2,893	922.3
Oxnard–Thousand Oaks–Ventura, CA	30	43.3	145	244.9	167	315.4	228	410.7	347	303.9
Palm Bay–Melbourne–Titusville, FL	31	77.9	138	395.9	144	476.1	284	783.2	474	425.5
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	586	125.4	2,946	675.5	2,818	765.6	4,337	1,123.9	6,619	815.6
Camden Division	55	57.4	319	386.6	302	396.8	530	634.9	856	501.1
Montgomery Division	19	12.8	142	118.8	162	134.5	279	206.6	496	168.0
Philadelphia Division	469	280.2	2,261	1,235.6	2,118	1,657.2	3,126	2,599.2	4,631	1,873.3
Wilmington Division	43	76.5	224	438.3	236	540.0	402	853.8	636	646.7
Phoenix–Mesa–Scottsdale, AZ	349	87.8	1,821	503.6	2,069	648.5	2,989	997.6	3,320	539.2
Pittsburgh, PA	69	42.4	411	258.4	358	265.8	608	416.5	920	248.1
Portland–South Portland, ME	6	16.2	45	129.6	77	245.2	208	583.8	320	374.3
Portland–Vancouver–Hillsboro, OR–WA	84	47.3	595	309.1	904	492.3	1,463	892.1	1,852	588.9
Providence–Warwick, RI–MA	44	33.8	222	200.0	265	278.4	541	507.3	796	346.9
Provo–Orem, UT	13	15.7	37	79.0	45	110.7	45	166.9	50	114.6
Raleigh, NC	111	101.6	537	562.7	525	541.6	850	882.0	811	548.9
Richmond, VA	101	102.5	475	506.7	413	508.2	601	720.8	882	517.3
Riverside–San Bernardino–Ontario, CA	315	76.6	1,531	442.4	1,615	543.4	2,969	1,049.1	5,569	1,048.1
Rochester, NY	49	56.7	299	416.3	267	458.3	500	745.4	888	561.1
Sacramento–Roseville–Arden–Arcade, CA	147	78.4	664	393.6	701	465.2	1,153	801.8	1,631	541.2
St. Louis, MO–IL	270	129.5	1,144	604.0	998	581.5	1,492	866.7	1,833	468.0
Salt Lake City, UT	45	41.9	241	237.0	356	388.1	457	655.8	570	475.8
San Antonio–New Braunfels, TX	255	116.3	1,270	652.2	1,208	719.9	1,531	1,014.6	1,628	582.4
San Diego–Carlsbad, CA	224	77.8	1,558	540.1	2,126	929.8	3,503	1,703.5	4,377	1,088.9
San Francisco–Oakland–Hayward, CA ^b	281	88.8	2,378	602.1	3,366	972.2	5,922	1,826.0	8,926	1,451.1
Oakland Division	163	80.1	1,057	493.2	1,222	606.3	1,972	1,040.2	2,855	809.1
San Francisco Division	107	111.6	1,263	749.5	2,051	1,585.6	3,763	3,278.7	5,712	2,623.6

Table 2b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥ 55 years	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
San Jose–Sunnyvale–Santa Clara, CA	66	43.3	407	234.2	616	416.3	852	617.7	944	397.0
San Juan–Carolina–Caguas, PR	113	71.1	686	554.6	1,060	893.6	1,869	1,485.3	2,609	873.6
Scranton–Wilkes-Barre–Hazleton, PA	10	24.2	56	154.0	66	207.3	96	261.2	123	141.9
Seattle–Tacoma–Bellevue, WA	145	51.4	1,063	306.4	1,581	544.0	2,511	963.7	2,787	586.3
Seattle Division	112	52.9	891	323.4	1,341	578.6	2,148	1,044.0	2,407	657.1
Tacoma Division	33	46.9	172	240.8	240	407.7	363	662.1	380	348.5
Spokane–Spokane Valley, WA	12	26.7	83	196.1	114	325.8	158	466.8	210	256.1
Springfield, MA	33	54.4	162	402.9	187	567.6	410	1,101.4	642	737.9
Stockton–Lodi, CA	40	59.7	191	353.2	182	370.0	305	661.2	330	393.8
Syracuse, NY	38	70.1	157	375.8	140	396.3	251	612.3	348	365.9
Tampa–St. Petersburg–Clearwater, FL	297	138.9	1,510	730.1	1,572	830.6	2,672	1,313.2	3,721	771.6
Toledo, OH	44	85.4	127	309.4	123	362.1	223	624.7	258	315.4
Tucson, AZ	65	69.7	263	377.9	327	550.6	583	1,046.1	989	641.5
Tulsa, OK	43	54.7	261	380.9	302	487.5	459	767.7	499	388.4
Virginia Beach–Norfolk–Newport News, VA–NC	221	144.6	995	721.5	686	647.4	1,061	1,080.1	1,402	655.0
Washington–Arlington–Alexandria, DC–VA–MD–WV	566	120.5	3,660	789.0	4,059	917.7	5,733	1,359.7	7,840	1,083.2
Silver Spring Division	81	83.4	380	459.5	476	550.0	676	767.5	885	522.6
Washington Division	485	130.1	3,280	860.5	3,583	1,007.2	5,057	1,516.1	6,955	1,254.4
Wichita, KS	29	53.5	139	312.3	118	299.3	218	594.2	262	309.7
Winston-Salem, NC	69	134.8	216	539.8	233	618.9	371	820.3	487	512.0
Worcester, MA–CT	27	34.9	151	240.5	207	364.9	389	585.7	593	443.9
Youngstown–Warren–Boardman, OH–PA	20	49.6	89	278.6	93	314.7	169	499.3	225	251.3
Subtotal for MSAs (population of ≥500,000)	19,788	112.0	107,512	652.1	113,845	781.5	170,807	1,189.3	224,477	787.9
Metropolitan areas (population of 50,000–499,999)	3,123	60.9	13,350	331.0	13,520	384.7	21,318	606.7	28,558	342.5
Nonmetropolitan areas	1,389	37.8	6,342	220.0	7,928	294.5	12,249	427.7	15,529	210.9
Total^c	25,371	95.8	132,399	565.7	141,260	680.0	214,066	1,032.2	281,688	637.5

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

Data are based on address of residence at the end of the specified year (i.e., most recent known address).

Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Rates are per 100,000 population.

^b Counts of persons living with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^c Includes persons whose county of residence is unknown.

Table 3a. Diagnoses of HIV infection among adult and adolescent females, by age and metropolitan statistical area of residence, 2018—United States and Puerto Rico

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
Akron, OH	0	0.0	—	3	6.6	—	1	2.5	—	0	0.0	—	1	0.8	—
Albany–Schenectady–Troy, NY	4	5.5	—	2	3.5	—	4	7.6	—	4	6.8	—	1	0.7	—
Albuquerque, NM	0	0.0	—	3	4.7	—	4	6.9	—	1	1.8	—	0	0.0	—
Allentown–Bethlehem–Easton, PA–NJ	1	1.6	—	4	7.8	—	0	0.0	—	6	10.4	—	3	2.0	—
Atlanta–Sandy Springs–Roswell, GA	51	10.6	2	88	20.2	6	73	16.9	5	53	12.1	9	36	4.6	7
Augusta–Richmond County, GA–SC	10	22.2	—	7	16.2	—	4	10.6	—	0	0.0	—	8	8.3	—
Austin–Round Rock, TX	6	3.5	—	12	6.6	25	5	3.0	—	6	4.4	—	8	3.2	—
Bakersfield, CA	3	3.9	—	4	6.2	—	4	7.4	—	1	2.0	—	4	4.0	—
Baltimore–Columbia–Towson, MD	9	4.4	—	36	17.4	8	16	8.7	21	25	13.0	7	24	5.4	5
Baton Rouge, LA	7	9.7	—	20	33.8	1	24	44.8	1	11	21.6	—	10	8.4	—
Birmingham–Hoover, AL	5	5.9	—	6	7.4	—	8	10.5	—	5	6.5	—	2	1.1	—
Boise City, ID	1	1.7	—	1	2.0	—	0	0.0	—	0	0.0	—	1	1.0	—
Boston–Cambridge–Newton, MA–NH ^c	8	2.1	—	33	8.9	20	43	14.0	10	31	9.2	15	28	3.6	9
Boston Division	3	1.8	—	15	8.8	—	16	12.5	—	17	12.5	—	20	6.4	—
Cambridge Division	5	2.7	—	17	9.8	—	27	17.4	—	14	8.3	—	8	2.1	—
Bridgeport–Stamford–Norwalk, CT	0	0.0	—	3	5.6	—	2	3.3	—	4	5.6	—	3	2.0	—
Buffalo–Cheektowaga–Niagara Falls, NY	3	3.6	—	5	6.4	—	3	4.7	—	2	2.7	—	0	0.0	—
Cape Coral–Fort Myers, FL	0	0.0	—	5	12.2	—	6	15.5	—	4	8.8	—	4	2.4	—
Charleston–North Charleston, SC	5	9.1	—	10	15.9	—	7	13.2	—	4	7.9	—	1	0.8	—
Charlotte–Concord–Gastonia, NC–SC	7	3.6	—	11	5.9	—	8	4.4	—	16	8.6	16	11	3.1	—
Chattanooga, TN–GA	0	0.0	—	2	5.2	—	2	5.7	—	0	0.0	—	4	4.1	—
Chicago–Naperville–Elgin, IL–IN–WI	42	5.7	7	49	7.2	24	45	7.1	24	36	5.7	20	28	2.0	14
Chicago Division	35	6.4	—	44	8.0	—	43	8.7	—	34	7.0	—	22	2.0	—
Elgin Division	0	0.0	—	2	5.2	—	0	0.0	—	1	2.3	—	1	1.1	—
Gary Division	5	9.3	—	1	2.3	—	0	0.0	—	1	2.2	—	3	2.6	—
Lake County Division	2	2.8	—	2	4.1	—	2	3.6	—	0	0.0	—	2	1.6	—
Cincinnati, OH–KY–IN	7	4.1	—	28	19.0	7	22	16.1	6	5	3.5	—	2	0.6	—
Cleveland–Elyria, OH	4	2.7	—	5	3.7	—	8	6.6	—	2	1.5	—	3	0.8	—
Colorado Springs, CO	1	1.7	—	0	0.0	—	1	2.2	—	1	2.3	—	1	1.0	—
Columbia, SC	1	1.4	—	6	10.2	—	8	14.9	—	10	18.3	—	10	8.0	—
Columbus, OH	5	3.1	—	21	12.7	14	10	7.1	—	11	8.2	—	5	1.7	—
Dallas–Fort Worth–Arlington, TX	33	5.4	9	62	11.0	17	51	9.4	20	49	9.7	14	22	2.4	12
Dallas Division	24	5.9	—	47	12.4	—	37	10.1	—	37	11.0	—	14	2.4	—
Fort Worth Division	9	4.4	—	15	8.1	—	14	8.0	—	12	7.2	—	8	2.5	—
Dayton, OH	1	1.6	—	3	5.6	—	1	2.1	—	0	0.0	—	1	0.7	—
Deltona–Daytona Beach–Ormond Beach, FL	5	12.2	—	3	8.2	—	2	5.8	—	5	12.0	—	3	2.1	—
Denver–Aurora–Lakewood, CO	4	1.9	—	4	1.7	—	7	3.3	—	3	1.6	—	5	1.3	—

Table 3a. Diagnoses of HIV infection among adult and adolescent females, by age and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
Des Moines–West Des Moines, IA	2	4.0	—	3	6.2	—	4	8.9	—	2	4.9	—	0	0.0	—
Detroit–Warren–Dearborn, MI	18	5.7	8	35	12.1	15	12	4.5	26	12	3.9	25	9	1.3	—
Detroit Division	12	9.0	—	25	19.7	—	8	7.4	—	6	5.1	—	7	2.5	—
Warren Division	6	3.3	—	10	6.2	—	4	2.5	—	6	3.2	—	2	0.5	—
Durham–Chapel Hill, NC	2	4.0	—	7	15.6	—	2	5.3	—	3	8.0	—	5	5.7	—
El Paso, TX	1	1.3	—	2	3.3	—	2	3.8	—	1	2.0	—	2	1.9	—
Fayetteville–Springdale–Rogers, AR–MO	0	0.0	—	1	2.5	—	1	2.7	—	2	6.2	—	1	1.4	—
Fresno, CA	1	1.2	—	2	2.7	—	0	0.0	—	4	7.2	—	2	1.7	—
Grand Rapids–Wyoming, MI	4	4.4	—	2	2.6	—	1	1.5	—	1	1.6	—	0	0.0	—
Greensboro–High Point, NC	4	6.3	—	7	13.4	—	4	8.3	—	4	7.4	—	4	3.2	—
Greenville–Anderson–Mauldin, SC	1	1.4	—	3	4.9	—	7	12.4	—	3	5.0	—	2	1.4	—
Harrisburg–Carlisle, PA	0	0.0	—	1	2.6	—	2	5.8	—	1	2.7	—	2	2.0	—
Hartford–West Hartford–East Hartford, CT	4	4.1	—	3	4.0	—	8	11.1	—	3	3.6	—	5	2.4	—
Honolulu (Urban), HI	1	1.5	—	1	1.4	—	0	0.0	—	1	1.7	—	0	0.0	—
Houston–The Woodlands–Sugar Land, TX	42	7.5	4	83	15.9	11	76	15.2	7	54	12.0	10	49	5.9	4
Indianapolis–Carmel–Anderson, IN	7	4.4	—	25	16.6	9	15	10.9	13	5	3.7	—	4	1.4	—
Jackson, MS	2	4.2	—	7	16.8	—	7	18.0	—	3	8.0	—	6	6.8	—
Jacksonville, FL	11	10.2	—	31	27.6	2	15	15.1	8	13	12.6	8	7	2.9	—
Kansas City, MO–KS	8	5.1	—	10	6.6	—	14	9.8	18	5	3.7	—	8	2.5	—
Knoxville, TN	3	4.4	—	7	12.5	—	2	3.8	—	3	5.0	—	1	0.7	—
Lakeland–Winter Haven, FL	4	7.8	—	5	10.8	—	3	6.9	—	10	23.3	—	4	3.3	—
Lancaster, PA	0	0.0	—	0	0.0	—	1	3.2	—	2	6.1	—	0	0.0	—
Las Vegas–Henderson–Paradise, NV	7	4.4	—	13	7.9	22	18	11.7	12	12	8.2	17	8	2.6	—
Lexington–Fayette, KY	1	2.1	—	7	19.2	—	3	8.9	—	0	0.0	—	1	1.3	—
Little Rock–North Little Rock–Conway, AR	2	3.4	—	4	7.4	—	7	14.2	—	3	6.4	—	2	1.8	—
Los Angeles–Long Beach–Anaheim, CA	30	2.9	13	52	5.1	30	53	5.9	25	39	4.3	24	41	2.2	13
Anaheim Division	3	1.2	—	6	2.7	—	9	4.3	—	4	1.8	—	5	1.1	—
Los Angeles Division	27	3.5	—	46	5.7	—	44	6.4	—	35	5.1	—	36	2.6	—
Louisville/Jefferson County, KY–IN	4	4.3	—	7	7.8	—	8	9.6	—	2	2.3	—	8	3.8	—
Madison, WI	0	0.0	—	1	2.1	—	0	0.0	—	0	0.0	—	0	0.0	—
McAllen–Edinburg–Mission, TX	4	4.7	—	5	8.7	—	4	7.1	—	1	2.0	—	1	1.1	—
Memphis, TN–MS–AR	11	10.3	—	20	20.2	5	16	17.9	4	12	13.2	6	10	5.0	—
Miami–Fort Lauderdale–West Palm Beach, FL	58	13.9	1	92	22.3	4	98	23.9	2	84	19.0	1	91	8.6	1
Fort Lauderdale Division	18	13.6	—	33	25.0	—	31	23.2	—	28	19.9	—	22	7.0	—
Miami Division	30	15.8	—	43	22.3	—	43	22.6	—	36	17.6	—	48	10.8	—
West Palm Beach Division	10	10.5	—	16	18.4	—	24	27.9	—	20	20.5	—	21	7.0	—
Milwaukee–Waukesha–West Allis, WI	3	2.5	—	6	5.4	—	0	0.0	—	4	4.0	—	4	1.6	—
Minneapolis–St. Paul–Bloomington, MN–WI	4	1.5	—	17	6.5	26	18	7.5	23	11	4.7	—	5	1.0	—

Table 3a. Diagnoses of HIV infection among adult and adolescent females, by age and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
Modesto, CA	0	0.0	—	2	5.1	—	4	11.5	—	1	3.0	—	4	5.5	—
Nashville–Davidson–Murfreesboro–Franklin, TN	3	2.0	—	13	8.6	21	9	6.8	—	6	4.7	—	5	1.9	—
New Haven–Milford, CT	3	4.4	—	2	3.5	—	7	13.4	—	6	10.1	—	5	3.4	—
New Orleans–Metairie, LA	11	12.4	—	23	23.5	3	19	22.4	3	12	14.6	4	4	2.0	—
New York–Newark–Jersey City, NY–NJ–PA ^c	71	4.9	11	139	9.4	19	137	10.4	17	138	10.0	12	143	4.5	8
Nassau County Division	6	2.8	—	7	4.3	—	7	4.1	—	11	5.3	—	13	2.7	—
New York Division	54	5.3	—	104	9.1	—	102	10.6	—	103	10.8	—	106	4.8	—
Newark Division	10	5.3	—	27	17.9	—	26	15.6	—	23	12.2	—	24	6.0	—
North Port–Sarasota–Bradenton, FL	0	0.0	—	4	10.3	—	5	12.7	—	6	12.0	—	3	1.4	—
Ogden–Clearfield, UT	0	0.0	—	1	2.1	—	0	0.0	—	1	2.9	—	0	0.0	—
Oklahoma City, OK	1	0.9	—	4	3.9	—	7	7.6	—	1	1.2	—	0	0.0	—
Omaha–Council Bluffs, NE–IA	1	1.4	—	3	4.5	—	1	1.6	—	1	1.8	—	1	0.8	—
Orlando–Kissimmee–Sanford, FL	17	8.5	3	31	15.9	10	23	12.8	11	30	17.4	2	26	7.0	2
Oxnard–Thousand Oaks–Ventura, CA	0	0.0	—	1	1.8	—	2	3.8	—	1	1.8	—	1	0.8	—
Palm Bay–Melbourne–Titusville, FL	4	11.2	—	4	12.0	—	0	0.0	—	4	10.2	—	3	2.3	—
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	23	5.0	10	58	13.2	13	41	10.7	15	28	6.8	18	31	3.1	11
Camden Division	1	1.1	—	4	5.0	—	5	6.3	—	2	2.2	—	3	1.5	—
Montgomery Division	2	1.4	—	8	6.9	—	10	8.2	—	0	0.0	—	1	0.3	—
Philadelphia Division	19	11.3	—	42	21.7	—	23	16.6	—	21	15.8	—	21	6.5	—
Wilmington Division	1	1.8	—	4	7.9	—	3	6.7	—	5	9.9	—	6	5.2	—
Phoenix–Mesa–Scottsdale, AZ	6	1.6	—	20	5.9	28	30	9.6	19	14	4.6	23	8	1.1	—
Pittsburgh, PA	1	0.6	—	2	1.3	—	3	2.3	—	6	4.0	—	3	0.7	—
Portland–South Portland, ME	1	2.8	—	1	2.9	—	1	3.1	—	1	2.7	—	0	0.0	—
Portland–Vancouver–Hillsboro, OR–WA	3	1.8	—	5	2.6	—	8	4.4	—	3	1.9	—	0	0.0	—
Providence–Warwick, RI–MA	3	2.3	—	3	2.8	—	6	6.2	—	6	5.3	—	2	0.7	—
Provo–Orem, UT	1	1.2	—	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—
Raleigh, NC	2	1.9	—	6	6.1	—	8	7.8	—	3	3.0	—	4	2.3	—
Richmond, VA	4	4.1	—	7	7.3	—	9	10.7	—	2	2.2	—	5	2.4	—
Riverside–San Bernardino–Ontario, CA	10	2.6	—	15	4.6	32	13	4.4	28	16	5.6	21	8	1.3	—
Rochester, NY	1	1.2	—	2	2.8	—	2	3.3	—	1	1.4	—	1	0.5	—
Sacramento–Roseville–Arden–Arcade, CA	2	1.1	—	7	4.2	—	12	7.8	22	3	2.0	—	6	1.7	—
St. Louis, MO–IL	4	2.0	—	15	7.7	23	9	5.0	—	9	4.9	—	8	1.7	—
Salt Lake City, UT	2	2.0	—	2	2.0	—	1	1.1	—	1	1.5	—	0	0.0	—
San Antonio–New Braunfels, TX	7	3.4	—	12	6.4	27	8	4.8	—	9	5.7	—	6	1.8	—
San Diego–Carlsbad, CA	4	1.6	—	14	5.3	29	10	4.5	—	12	5.8	19	8	1.7	—
San Francisco–Oakland–Hayward, CA ^c	12	3.9	12	15	4.0	33	15	4.4	27	16	5.0	22	14	2.0	15
Oakland Division	8	4.0	—	9	4.2	—	10	4.9	—	8	4.1	—	8	1.9	—
San Francisco Division	3	3.2	—	5	3.2	—	5	4.2	—	7	6.6	—	5	2.0	—

Table 3a. Diagnoses of HIV infection among adult and adolescent females, by age and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years			25–34 years			35–44 years			45–54 years			≥55 years		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
San Jose–Sunnyvale–Santa Clara, CA	2	1.4	—	4	2.7	—	6	4.3	—	4	3.0	—	2	0.7	—
San Juan–Carolina–Caguas, PR	9	5.8	—	9	6.9	—	9	6.7	—	19	13.3	5	12	3.1	10
Scranton–Wilkes-Barre–Hazleton, PA	1	2.5	—	4	12.0	—	1	3.2	—	3	8.1	—	2	1.9	—
Seattle–Tacoma–Bellevue, WA	10	3.7	—	16	4.9	31	30	10.8	14	25	9.8	13	34	6.3	3
Seattle Division	9	4.4	—	13	5.1	—	25	11.4	—	20	10.0	—	27	6.5	—
Tacoma Division	1	1.6	—	3	4.4	—	5	8.4	—	5	9.0	—	7	5.6	—
Spokane–Spokane Valley, WA	0	0.0	—	0	0.0	—	1	2.9	—	0	0.0	—	0	0.0	—
Springfield, MA	1	1.6	—	0	0.0	—	7	19.0	—	7	17.0	—	1	0.9	—
Stockton–Lodi, CA	4	6.3	—	5	9.7	—	1	2.1	—	6	13.1	—	1	1.0	—
Syracuse, NY	2	3.6	—	1	2.4	—	0	0.0	—	1	2.3	—	2	1.8	—
Tampa–St. Petersburg–Clearwater, FL	13	6.3	6	23	10.9	18	21	10.6	16	24	11.3	11	8	1.4	—
Toledo, OH	1	2.0	—	2	4.9	—	2	5.7	—	0	0.0	—	1	1.0	—
Tucson, AZ	1	1.1	—	3	4.7	—	5	8.5	—	0	0.0	—	2	1.1	—
Tulsa, OK	2	2.7	—	5	7.3	—	6	9.5	—	1	1.6	—	1	0.7	—
Virginia Beach–Norfolk–Newport News, VA–NC	9	6.7	—	15	11.5	16	10	9.2	—	8	7.4	—	7	2.7	—
Washington–Arlington–Alexandria, DC–VA–MD–WV	34	7.3	5	64	13.6	12	65	14.3	9	75	17.0	3	45	5.3	6
Silver Spring Division	2	2.1	—	15	17.9	—	11	12.0	—	16	16.9	—	10	4.9	—
Washington Division	32	8.6	—	49	12.6	—	54	14.8	—	59	17.1	—	35	5.4	—
Wichita, KS	0	0.0	—	1	2.3	—	0	0.0	—	1	2.7	—	1	1.0	—
Winston-Salem, NC	2	3.9	—	7	16.5	—	3	7.3	—	5	10.4	—	2	1.7	—
Worcester, MA–CT	2	2.7	—	5	8.3	—	3	5.2	—	4	5.9	—	2	1.3	—
Youngstown–Warren–Boardman, OH–PA	0	0.0	—	1	3.4	—	1	3.4	—	1	2.9	—	0	0.0	—
Subtotal for MSAs (population of ≥500,000)	752	4.4	—	1,471	9.1	—	1,331	9.0	—	1,116	7.5	—	933	2.8	—
Metropolitan areas (population of 50,000–499,999)	154	3.2	—	288	7.5	—	253	7.2	—	195	5.4	—	129	1.3	—
Nonmetropolitan areas	73	2.2	—	156	6.0	—	140	5.5	—	95	3.4	—	73	0.9	—
Total^d	981	3.9	—	1,923	8.5	—	1,729	8.3	—	1,416	6.6	—	1,140	2.2	—

Abbreviation: MSA, metropolitan statistical area.

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Rates are per 100,000 population.^b Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.^c Counts of diagnoses of HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.^d Includes persons whose county of residence is unknown.

Table 3b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Akron, OH	6	10.4	23	50.8	44	108.5	62	132.5	66	54.0
Albany–Schenectady–Troy, NY	18	24.8	63	111.0	109	205.8	259	437.1	271	181.0
Albuquerque, NM	5	7.3	29	45.5	45	77.3	54	95.7	59	39.7
Allentown–Bethlehem–Easton, PA–NJ	4	6.3	26	50.7	59	117.5	156	271.5	165	112.6
Atlanta–Sandy Springs–Roswell, GA	239	49.9	956	219.6	1,834	424.1	2,208	505.0	2,290	290.9
Augusta–Richmond County, GA–SC	43	95.3	90	207.7	125	330.3	203	524.6	286	297.6
Austin–Round Rock, TX	33	19.2	117	63.9	222	134.5	274	200.3	265	106.8
Bakersfield, CA	11	14.3	48	74.7	54	100.4	74	150.1	82	81.9
Baltimore–Columbia–Towson, MD	107	52.3	513	247.8	921	500.7	1,637	850.0	1,970	439.8
Baton Rouge, LA	52	72.0	336	568.1	591	1,103.3	476	932.6	416	349.7
Birmingham–Hoover, AL	25	29.4	121	149.8	285	374.1	317	414.9	335	179.0
Boise City, ID	4	7.0	2	4.0	9	18.4	14	31.5	16	15.7
Boston–Cambridge–Newton, MA–NH ^b	102	26.3	370	100.3	763	247.7	1,245	370.5	1,566	203.1
Boston Division	50	29.7	196	115.4	373	292.5	647	476.3	876	280.8
Cambridge Division	52	28.1	169	97.6	382	245.7	587	349.8	664	173.2
Bridgeport–Stamford–Norwalk, CT	20	26.9	59	110.7	143	239.2	296	414.4	397	259.0
Buffalo–Cheektowaga–Niagara Falls, NY	20	23.9	86	109.6	181	282.9	247	332.7	224	110.2
Cape Coral–Fort Myers, FL	6	13.5	83	203.3	160	413.7	177	389.5	212	124.8
Charleston–North Charleston, SC	27	49.0	105	167.2	107	202.3	207	406.3	258	214.5
Charlotte–Concord–Gastonia, NC–SC	51	26.0	241	130.2	487	266.5	763	409.3	820	227.6
Chattanooga, TN–GA	4	10.0	36	93.4	80	228.7	81	217.5	82	84.7
Chicago–Naperville–Elgin, IL–IN–WI	248	33.9	776	114.2	1,233	193.8	1,718	270.9	1,765	124.8
Chicago Division	225	41.0	700	127.3	1,069	216.3	1,532	316.7	1,588	146.7
Elgin Division	2	3.5	13	34.1	23	55.9	36	83.8	23	26.4
Gary Division	13	24.3	35	81.7	74	161.7	84	184.1	83	71.4
Lake County Division	8	11.1	28	57.6	67	121.8	66	106.8	71	55.3
Cincinnati, OH–KY–IN	62	36.1	190	128.9	259	189.5	230	160.7	225	66.5
Cleveland–Elyria, OH	36	24.2	120	89.2	232	190.4	350	255.8	395	106.2
Colorado Springs, CO	6	10.2	21	37.9	35	76.3	63	143.2	46	46.4
Columbia, SC	20	27.8	85	144.5	265	494.2	387	709.2	421	334.9
Columbus, OH	34	21.0	208	125.4	300	212.5	336	249.2	294	101.7
Dallas–Fort Worth–Arlington, TX	199	32.4	916	161.9	1,601	295.8	1,686	333.9	1,391	151.5
Dallas Division	147	36.1	699	183.9	1,188	323.9	1,256	372.3	1,020	171.8
Fort Worth Division	52	25.2	217	116.9	413	236.6	430	256.7	371	114.3
Dayton, OH	11	17.7	60	111.2	81	171.8	113	222.0	82	59.0
Deltona–Daytona Beach–Ormond Beach, FL	23	56.1	56	153.3	125	364.6	168	403.2	197	136.0
Denver–Aurora–Lakewood, CO	38	18.4	123	51.3	261	124.0	332	176.5	350	89.8

Table 3b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Des Moines–West Des Moines, IA	11	22.0	27	55.9	64	142.6	48	117.2	35	39.3
Detroit–Warren–Dearborn, MI	64	20.3	310	107.1	487	183.8	644	211.6	676	94.3
Detroit Division	39	29.2	229	180.2	331	307.3	471	399.9	497	178.8
Warren Division	25	13.8	81	49.9	156	99.2	173	92.7	179	40.8
Durham–Chapel Hill, NC	8	16.0	53	118.1	115	302.0	170	452.5	239	270.6
El Paso, TX	12	15.9	32	52.8	67	126.4	74	145.5	99	92.3
Fayetteville–Springdale–Rogers, AR–MO	4	8.3	11	27.8	25	68.0	26	80.2	46	66.3
Fresno, CA	10	11.7	36	48.4	68	109.8	88	159.5	115	95.2
Grand Rapids–Wyoming, MI	19	21.0	48	63.0	65	99.5	78	121.2	49	31.8
Greensboro–High Point, NC	26	40.8	105	200.7	194	402.9	253	469.2	240	194.2
Greenville–Anderson–Mauldin, SC	7	9.7	60	98.9	119	211.4	160	265.2	163	112.3
Harrisburg–Carlisle, PA	5	12.0	24	63.6	45	130.0	78	209.9	78	79.2
Hartford–West Hartford–East Hartford, CT	26	26.8	81	108.7	177	244.6	380	451.9	509	245.5
Honolulu (Urban), HI	6	9.1	15	21.4	36	58.6	45	77.4	74	47.3
Houston–The Woodlands–Sugar Land, TX	250	44.5	1,134	216.7	2,216	444.4	2,162	479.6	1,851	222.8
Indianapolis–Carmel–Anderson, IN	49	31.1	223	148.5	313	227.4	331	247.1	273	93.9
Jackson, MS	39	81.5	140	336.7	256	659.5	321	856.4	276	313.8
Jacksonville, FL	51	47.3	315	280.5	636	639.4	679	660.0	688	284.1
Kansas City, MO–KS	30	19.1	110	72.4	214	150.2	229	168.5	235	73.2
Knoxville, TN	13	19.1	33	59.1	63	118.7	61	102.5	61	40.0
Lakeland–Winter Haven, FL	26	50.4	102	220.8	156	360.5	271	630.8	263	213.9
Lancaster, PA	9	21.4	13	36.3	30	96.2	59	180.0	83	91.4
Las Vegas–Henderson–Paradise, NV	33	20.6	190	115.3	327	212.5	403	274.6	444	143.1
Lexington–Fayette, KY	7	14.9	30	82.4	54	160.4	55	170.6	45	60.5
Little Rock–North Little Rock–Conway, AR	24	41.1	78	144.8	102	206.9	127	269.2	128	113.6
Los Angeles–Long Beach–Anaheim, CA	193	18.9	727	70.8	1,360	151.6	1,882	207.2	2,231	119.0
Anaheim Division	25	10.3	57	25.5	183	87.8	249	109.6	301	64.3
Los Angeles Division	168	21.7	670	83.5	1,177	170.9	1,633	239.7	1,930	137.2
Louisville/Jefferson County, KY–IN	18	19.2	106	118.1	200	240.0	204	236.8	219	104.8
Madison, WI	5	8.5	16	33.8	27	63.7	24	60.2	27	28.5
McAllen–Edinburg–Mission, TX	12	14.0	50	86.8	71	126.3	71	141.8	65	70.7
Memphis, TN–MS–AR	60	56.0	319	322.7	631	706.2	647	712.7	512	256.2
Miami–Fort Lauderdale–West Palm Beach, FL	371	88.9	1,499	364.1	3,009	734.5	4,139	934.7	5,568	524.1
Fort Lauderdale Division	136	102.5	515	389.9	1,146	857.8	1,438	1,021.7	1,827	578.4
Miami Division	165	86.9	738	382.9	1,241	652.7	1,829	894.5	2,694	605.1
West Palm Beach Division	70	73.8	246	283.1	622	723.8	872	893.4	1,047	347.4
Milwaukee–Waukesha–West Allis, WI	12	10.0	54	48.5	107	106.2	139	138.2	138	55.7
Minneapolis–St. Paul–Bloomington, MN–WI	68	25.3	265	101.4	511	212.3	505	216.1	454	87.0

Table 3b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
Modesto, CA	5	11.0	22	56.0	23	66.3	50	150.9	57	78.7
Nashville–Davidson–Murfreesboro–Franklin, TN	30	20.1	123	81.3	255	191.3	335	261.6	322	120.4
New Haven–Milford, CT	13	18.9	75	130.7	157	301.5	393	659.4	496	336.0
New Orleans–Metairie, LA	56	63.0	339	346.8	617	727.9	542	657.9	492	241.4
New York–Newark–Jersey City, NY–NJ–PA ^b	853	58.8	3,306	224.1	6,213	470.4	11,904	861.0	18,588	586.9
Nassau County Division	47	22.0	165	100.7	282	166.8	538	257.1	863	176.9
New York Division	698	68.5	2,740	240.6	5,154	535.2	9,804	1,025.9	15,449	698.1
Newark Division	103	55.0	375	248.2	740	444.5	1,495	792.1	2,157	542.0
North Port–Sarasota–Bradenton, FL	12	27.5	51	131.8	110	280.4	166	332.7	205	97.4
Ogden–Clearfield, UT	2	3.5	2	4.2	13	27.3	19	54.3	19	25.8
Oklahoma City, OK	16	14.1	78	75.5	138	150.5	139	170.6	124	63.5
Omaha–Council Bluffs, NE–IA	5	6.9	8	11.9	19	30.5	27	47.8	18	13.7
Orlando–Kissimmee–Sanford, FL	98	49.0	329	168.4	624	346.3	933	541.4	1,103	297.0
Oxnard–Thousand Oaks–Ventura, CA	4	6.0	17	30.8	32	60.5	37	65.1	63	48.3
Palm Bay–Melbourne–Titusville, FL	16	44.8	50	150.2	101	318.8	140	356.3	198	155.0
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	162	35.5	792	180.1	1,347	350.3	2,323	562.1	2,585	260.7
Camden Division	17	19.0	85	106.3	140	175.8	279	311.5	343	166.6
Montgomery Division	10	6.9	43	37.3	67	55.2	106	75.6	108	31.4
Philadelphia Division	115	68.5	580	299.2	1,001	720.9	1,688	1,269.6	1,827	562.5
Wilmington Division	20	36.6	84	165.7	139	310.7	250	493.9	307	263.6
Phoenix–Mesa–Scottsdale, AZ	58	15.5	245	71.9	425	135.6	508	167.8	507	71.6
Pittsburgh, PA	17	10.8	56	36.8	128	96.1	190	125.9	209	46.9
Portland–South Portland, ME	8	22.3	20	57.9	57	177.6	56	149.6	60	59.3
Portland–Vancouver–Hillsboro, OR–WA	15	8.8	62	32.7	140	76.9	191	118.2	196	54.2
Providence–Warwick, RI–MA	16	12.5	54	49.8	120	123.2	248	219.4	304	109.9
Provo–Orem, UT	3	3.7	3	6.8	9	22.8	6	22.7	7	14.5
Raleigh, NC	28	26.2	85	86.2	229	223.6	304	304.4	341	193.3
Richmond, VA	20	20.6	81	83.9	153	181.2	259	288.2	301	144.0
Riverside–San Bernardino–Ontario, CA	49	12.6	176	53.6	301	100.9	467	162.5	491	81.8
Rochester, NY	11	13.0	59	83.1	117	190.6	277	388.9	400	215.1
Sacramento–Roseville–Arden–Arcade, CA	27	14.7	93	55.8	148	96.6	235	156.7	326	91.1
St. Louis, MO–IL	54	26.8	199	102.6	392	219.0	428	232.7	325	69.1
Salt Lake City, UT	7	6.9	39	39.8	89	101.1	95	141.1	80	59.6
San Antonio–New Braunfels, TX	33	15.9	181	97.1	238	141.5	274	174.6	280	84.6
San Diego–Carlsbad, CA	42	16.8	144	54.9	287	130.4	374	180.2	496	107.0
San Francisco–Oakland–Hayward, CA ^b	76	24.5	224	59.3	456	134.0	697	217.2	1,028	144.2
Oakland Division	44	22.2	139	65.6	266	129.7	428	220.5	584	141.0
San Francisco Division	27	28.4	77	49.6	171	142.5	248	232.8	408	166.0

Table 3b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by age and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico (cont)

MSA of residence	13–24 years		25–34 years		35–44 years		45–54 years		≥55 years	
	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a	No.	Rate ^a
San José–Sunnyvale–Santa Clara, CA	12	8.5	43	28.7	123	88.1	125	92.6	132	49.4
San Juan–Carolina–Caguas, PR	57	36.6	203	154.6	461	344.2	783	548.0	1,208	316.0
Scranton–Wilkes-Barre–Hazleton, PA	5	12.6	22	65.9	37	118.7	53	144.0	42	40.7
Seattle–Tacoma–Bellevue, WA	43	16.1	167	51.6	404	144.9	390	153.0	431	80.0
Seattle Division	37	18.3	134	52.5	311	141.8	310	155.5	338	81.8
Tacoma Division	6	9.4	33	48.2	93	156.4	80	143.9	93	74.2
Spokane–Spokane Valley, WA	8	18.9	12	29.8	26	75.5	27	78.7	25	26.9
Springfield, MA	10	15.7	49	122.7	137	372.7	239	581.6	293	277.8
Stockton–Lodi, CA	11	17.4	32	61.8	54	110.8	79	172.0	92	95.1
Syracuse, NY	7	12.7	38	90.8	84	228.0	117	269.8	139	126.8
Tampa–St. Petersburg–Clearwater, FL	80	38.5	340	161.1	647	327.0	928	436.3	1,051	184.6
Toledo, OH	12	23.7	30	73.1	67	191.3	96	254.5	57	58.6
Tucson, AZ	12	13.3	37	58.3	81	137.0	94	161.8	128	70.9
Tulsa, OK	18	24.0	65	94.6	104	164.0	97	158.4	64	42.3
Virginia Beach–Norfolk–Newport News, VA–NC	39	29.0	217	165.9	368	340.2	480	442.9	567	216.9
Washington–Arlington–Alexandria, DC–VA–MD–WV	200	43.1	951	201.8	2,147	471.2	2,904	659.4	3,107	364.3
Silver Spring Division	22	23.5	159	190.1	394	430.9	510	537.2	458	224.7
Washington Division	178	48.1	792	204.3	1,753	481.3	2,394	692.9	2,649	408.1
Wichita, KS	6	11.8	27	61.9	41	103.3	54	145.1	41	42.7
Winston-Salem, NC	15	29.1	53	124.9	103	252.2	209	436.7	223	194.3
Worcester, MA–CT	15	20.1	62	102.3	154	267.1	243	356.5	287	188.9
Youngstown–Warren–Boardman, OH–PA	6	15.9	25	83.9	35	120.0	50	145.5	67	62.5
Subtotal for MSAs (population of ≥500,000)	5,214	30.5	21,351	131.5	40,367	272.1	57,071	383.2	68,405	202.8
Metropolitan areas (population of 50,000–499,999)	888	18.3	3,535	92.1	6,269	179.2	7,936	219.9	8,460	87.5
Nonmetropolitan areas	399	11.8	1,796	68.7	3,133	122.3	4,124	146.7	4,322	52.7
Total^c	6,838	27.0	27,813	122.6	52,131	249.5	72,747	341.3	85,367	165.4

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

Data are based on address of residence at the end of the specified year (i.e., most recent known address).

Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Rates are per 100,000 population.

^b Counts of persons living with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^c Includes persons whose county of residence is unknown.

Table 4a. Diagnoses of HIV infection among adult and adolescent males, by race/ethnicity and metropolitan statistical area of residence, 2018—United States

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino ^a			White		
	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c
Akron, OH	0	0.0	—	0	0.0	—	23	71.5	41	0	0.0	—	25	10.5	46
Albany–Schenectady–Troy, NY	0	0.0	—	0	0.0	—	10	35.8	—	9	49.9	—	13	4.3	91
Albuquerque, NM	10	52.8	—	1	13.2	—	5	48.9	—	22	12.4	64	9	5.7	—
Allentown–Bethlehem–Easton, PA–NJ	0	0.0	—	1	9.5	—	10	54.9	—	12	21.4	59	12	4.6	88
Atlanta–Sandy Springs–Roswell, GA	0	0.0	—	8	5.4	—	952	126.6	1	162	66.4	4	196	16.8	16
Augusta–Richmond County, GA–SC	0	0.0	—	1	21.8	—	92	114.1	6	2	14.5	—	20	14.4	28
Austin–Round Rock, TX	0	0.0	—	3	5.4	—	39	60.8	54	91	32.6	45	93	19.1	9
Bakersfield, CA	0	0.0	—	1	5.7	—	24	114.3	5	88	46.8	14	22	17.0	14
Baltimore–Columbia–Towson, MD	1	34.8	—	6	9.2	—	262	85.6	22	20	31.4	49	49	7.3	74
Baton Rouge, LA	2	221.4	—	0	0.0	—	133	117.5	4	2	14.6	—	17	8.6	61
Birmingham–Hoover, AL	0	0.0	—	0	0.0	—	95	76.5	30	5	25.9	—	30	10.0	53
Boise City, ID	2	106.9	—	0	0.0	—	1	29.9	—	4	10.5	—	8	3.3	—
Boston–Cambridge–Newton, MA–NH ^d	1	32.6	—	15	9.0	11	83	54.5	66	97	44.2	19	133	9.2	57
Boston Division	0	0.0	—	7	10.6	—	52	49.4	—	50	51.4	—	68	12.2	—
Cambridge Division	1	80.6	—	8	8.3	—	31	69.2	—	47	40.3	—	60	8.3	—
Bridgeport–Stamford–Norwalk, CT	0	0.0	—	1	4.8	—	20	50.8	71	12	16.0	63	8	3.3	—
Buffalo–Cheektowaga–Niagara Falls, NY	0	0.0	—	1	7.0	—	21	41.8	76	7	32.9	—	9	2.4	—
Cape Coral–Fort Myers, FL	0	0.0	—	1	21.2	—	14	60.0	58	22	33.4	43	19	8.5	64
Charleston–North Charleston, SC	0	0.0	—	0	0.0	—	56	74.0	37	10	57.0	—	37	17.2	12
Charlotte–Concord–Gastonia, NC–SC	0	0.0	—	3	7.2	—	194	90.4	17	34	34.6	39	66	10.1	51
Chattanooga, TN–GA	0	0.0	—	0	0.0	—	16	56.2	63	3	29.8	—	26	14.2	29
Chicago–Naperville–Elgin, IL–IN–WI	3	60.6	—	19	7.1	14	473	81.4	26	288	34.3	41	206	9.7	55
Chicago Division	3	87.4	—	15	6.5	—	429	85.8	—	245	37.4	—	177	11.5	—
Elgin Division	0	0.0	—	1	9.9	—	4	28.4	—	20	28.0	—	5	3.1	—
Gary Division	0	0.0	—	2	47.3	—	28	64.5	—	5	11.1	—	16	8.5	—
Lake County Division	0	0.0	—	1	4.2	—	12	51.5	—	18	26.1	—	8	3.3	—
Cincinnati, OH–KY–IN	0	0.0	—	3	12.3	—	76	74.4	34	11	41.9	—	121	16.8	15
Cleveland–Elyria, OH	0	0.0	—	0	0.0	—	90	60.2	55	19	40.0	28	39	6.4	80
Colorado Springs, CO	2	99.0	—	1	13.2	—	10	50.2	—	11	23.1	—	20	9.0	59
Columbia, SC	0	0.0	—	0	0.0	—	87	82.4	25	6	31.8	—	15	7.6	70
Columbus, OH	0	0.0	—	1	2.5	—	96	75.9	32	12	35.5	36	69	10.8	44
Dallas–Fort Worth–Arlington, TX	0	0.0	—	20	9.2	10	416	93.8	16	365	43.8	21	256	17.7	11
Dallas Division	0	0.0	—	16	9.5	—	316	101.7	—	294	51.1	—	199	22.0	—
Fort Worth Division	0	0.0	—	4	8.3	—	100	75.2	—	71	27.5	—	57	10.5	—
Dayton, OH	0	0.0	—	2	26.3	—	36	76.0	31	4	45.2	—	26	10.2	50
Deltona–Daytona Beach–Ormond Beach, FL	0	0.0	—	1	18.8	—	27	101.0	12	15	41.0	25	25	12.1	37
Denver–Aurora–Lakewood, CO	2	33.5	—	2	4.0	—	32	46.5	73	100	37.8	33	101	12.4	34
Des Moines–West Des Moines, IA	0	0.0	—	0	0.0	—	10	72.0	—	3	16.6	—	13	6.1	81

Table 4a. Diagnoses of HIV infection among adult and adolescent males, by race/ethnicity and metropolitan statistical area of residence, 2018—United States (*cont*)

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino ^a			White		
	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c
Detroit–Warren–Dearborn, MI	0	0.0	—	3	3.6	—	261	74.1	36	21	28.2	54	91	7.5	71
Detroit Division	0	0.0	—	1	4.0	—	194	78.4	—	10	25.3	—	33	9.0	—
Warren Division	0	0.0	—	2	3.4	—	67	63.8	—	11	31.6	—	58	6.8	—
Durham–Chapel Hill, NC	0	0.0	—	1	8.0	—	45	78.3	27	9	36.0	—	6	4.5	—
El Paso, TX	0	0.0	—	2	55.0	—	7	53.6	—	108	40.7	26	2	4.3	—
Fayetteville–Springdale–Rogers, AR–MO	0	0.0	—	2	27.3	—	4	69.0	—	4	11.8	—	10	6.1	—
Fresno, CA	0	0.0	—	2	4.9	—	10	53.8	—	68	33.9	42	16	13.1	31
Grand Rapids–Wyoming, MI	0	0.0	—	3	25.3	—	9	32.6	—	6	15.6	—	23	6.6	78
Greensboro–High Point, NC	0	0.0	—	1	8.5	—	64	82.4	24	11	45.8	—	19	10.2	49
Greenville–Anderson–Mauldin, SC	0	0.0	—	2	27.0	—	37	65.6	47	15	62.1	5	21	7.7	69
Harrisburg–Carlisle, PA	0	0.0	—	0	0.0	—	18	76.8	29	4	28.7	—	12	6.5	79
Hartford–West Hartford–East Hartford, CT	0	0.0	—	1	3.8	—	23	43.5	75	24	34.4	40	25	7.2	75
Honolulu (Urban), HI	0	0.0	—	17	10.1	8	5	37.7	—	4	11.1	—	17	19.4	8
Houston–The Woodlands–Sugar Land, TX	0	0.0	—	29	12.9	2	441	97.9	14	456	44.8	18	161	15.3	24
Indianapolis–Carmel–Anderson, IN	0	0.0	—	2	7.3	—	101	86.6	20	29	56.3	7	55	9.1	58
Jackson, MS	0	0.0	—	0	0.0	—	96	89.9	18	5	75.7	—	11	10.0	—
Jacksonville, FL	0	0.0	—	2	8.1	—	149	123.5	2	25	44.9	17	61	15.0	26
Kansas City, MO–KS	1	27.0	—	2	7.9	—	56	55.9	64	26	35.2	38	73	11.4	42
Knoxville, TN	0	0.0	—	0	0.0	—	11	54.3	—	5	38.2	—	34	10.6	45
Lakeland–Winter Haven, FL	0	0.0	—	0	0.0	—	24	60.1	57	27	41.3	24	27	15.4	23
Lancaster, PA	0	0.0	—	0	0.0	—	2	24.5	—	6	27.6	—	5	2.8	—
Las Vegas–Henderson–Paradise, NV	2	47.9	—	22	25.5	1	113	110.7	7	136	50.2	13	112	26.3	3
Lexington–Fayette, KY	0	0.0	—	0	0.0	—	20	88.1	19	6	46.0	—	24	14.5	27
Little Rock–North Little Rock–Conway, AR	0	0.0	—	0	0.0	—	67	106.0	11	12	78.4	1	34	16.5	18
Los Angeles–Long Beach–Anaheim, CA	5	45.6	—	100	11.4	5	334	95.7	15	904	38.0	31	368	21.0	6
Anaheim Division	0	0.0	—	28	10.4	—	6	25.3	—	140	32.9	—	81	14.4	—
Los Angeles Division	5	61.0	—	72	11.9	—	328	100.8	—	764	39.1	—	287	24.1	—
Louisville/Jefferson County, KY–IN	0	0.0	—	4	35.9	—	52	73.5	39	9	35.5	—	91	22.2	4
Madison, WI	0	0.0	—	1	6.7	—	9	74.5	—	6	40.5	—	12	5.2	84
McAllen–Edinburg–Mission, TX	0	0.0	—	0	0.0	—	0	0.0	—	75	25.8	57	2	8.4	—
Memphis, TN–MS–AR	0	0.0	—	1	8.8	—	247	106.1	10	15	52.8	9	30	12.3	36
Miami–Fort Lauderdale–West Palm Beach, FL	0	0.0	—	11	17.3	—	516	107.5	9	852	73.5	2	268	32.6	1
Fort Lauderdale Division	0	0.0	—	6	20.5	—	195	94.3	—	178	74.8	—	107	34.1	—
Miami Division	0	0.0	—	2	11.3	—	232	138.5	—	626	79.7	—	110	70.1	—
West Palm Beach Division	0	0.0	—	3	17.8	—	89	84.2	—	48	35.1	—	51	14.5	—
Milwaukee–Waukesha–West Allis, WI	0	0.0	—	2	8.1	—	57	62.9	51	19	29.5	51	22	4.9	86
Minneapolis–St. Paul–Bloomington, MN–WI	3	36.3	—	7	7.3	—	64	54.3	67	29	35.3	37	67	5.8	82
Modesto, CA	0	0.0	—	3	25.1	—	3	48.1	—	29	29.7	50	15	15.9	20
Nashville–Davidson–Murfreesboro–Franklin, TN	1	42.6	—	4	18.4	—	76	67.6	45	20	36.8	34	70	12.1	38

Table 4a. Diagnoses of HIV infection among adult and adolescent males, by race/ethnicity and metropolitan statistical area of residence, 2018—United States (cont)

	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino ^a			White		
MSA of residence	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c
New Haven–Milford, CT	0	0.0	—	0	0.0	—	25	58.8	60	17	28.4	53	17	7.4	72
New Orleans–Metairie, LA	0	0.0	—	3	20.0	—	161	98.1	13	21	45.6	16	51	18.6	10
New York–Newark–Jersey City, NY–NJ–PA ^d	3	20.9	—	99	10.7	6	839	69.2	43	979	50.9	11	335	8.6	63
Nassau County Division	0	0.0	—	3	3.7	—	48	45.5	—	55	26.5	—	36	4.7	—
New York Division	1	9.2	—	92	12.1	—	653	72.0	—	812	54.5	—	253	10.2	—
Newark Division	2	145.2	—	3	3.8	—	134	72.5	—	109	53.7	—	41	7.6	—
North Port–Sarasota–Bradenton, FL	0	0.0	—	1	16.8	—	12	61.1	53	18	43.8	20	16	5.8	83
Ogden–Clearfield, UT	1	76.8	—	1	24.8	—	0	0.0	—	4	12.0	—	7	3.3	—
Oklahoma City, OK	7	33.1	—	2	10.8	—	34	60.2	56	20	28.5	52	46	12.4	35
Omaha–Council Bluffs, NE–IA	0	0.0	—	2	17.5	—	16	58.9	59	9	24.5	—	15	5.1	85
Orlando–Kissimmee–Sanford, FL	2	80.7	—	11	23.8	—	168	107.7	8	221	69.1	3	140	27.4	2
Oxnard–Thousand Oaks–Ventura, CA	0	0.0	—	1	4.0	—	4	56.1	—	26	18.2	60	15	9.0	60
Palm Bay–Melbourne–Titusville, FL	0	0.0	—	2	34.1	—	12	51.7	70	4	15.9	—	30	15.5	22
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	1	25.4	—	14	9.3	9	308	65.4	48	113	50.4	12	154	9.7	54
Camden Division	0	0.0	—	0	0.0	—	37	47.1	—	19	35.0	—	28	8.2	—
Montgomery Division	0	0.0	—	3	6.0	—	18	33.2	—	15	32.6	—	43	6.6	—
Philadelphia Division	1	65.2	—	10	16.1	—	223	80.0	—	72	74.0	—	70	17.8	—
Wilmington Division	0	0.0	—	1	7.1	—	30	50.7	—	7	26.3	—	13	6.8	—
Phoenix–Mesa–Scottsdale, AZ	12	33.0	1	9	11.4	—	81	75.7	33	220	37.9	32	164	14.2	30
Pittsburgh, PA	0	0.0	—	6	24.1	—	48	64.8	49	6	35.3	—	37	4.4	90
Portland–South Portland, ME	0	0.0	—	1	27.8	—	2	45.2	—	2	47.8	—	2	1.0	—
Portland–Vancouver–Hillsboro, OR–WA	1	13.7	—	2	2.8	—	12	37.7	78	47	40.0	27	89	11.6	40
Providence–Warwick, RI–MA	0	0.0	—	4	20.0	—	19	51.8	69	20	24.4	58	52	10.0	52
Provo–Orem, UT	0	0.0	—	1	23.8	—	0	0.0	—	5	18.3	—	5	2.5	—
Raleigh, NC	0	0.0	—	3	9.0	—	64	63.3	50	11	20.5	—	25	7.2	76
Richmond, VA	0	0.0	—	4	18.9	—	110	74.1	35	18	54.9	8	40	12.7	33
Riverside–San Bernardino–Ontario, CA	1	11.9	—	13	10.4	7	60	44.7	74	245	26.5	56	136	21.3	5
Rochester, NY	0	0.0	—	0	0.0	—	18	40.4	77	13	42.7	22	17	4.9	87
Sacramento–Roseville–Arden–Arcade, CA	2	38.9	—	10	7.8	—	31	46.6	72	54	27.5	55	54	10.5	47
St. Louis, MO–IL	0	0.0	—	1	3.3	—	126	68.1	44	9	26.3	—	67	7.8	68

Table 4a. Diagnoses of HIV infection among adult and adolescent males, by race/ethnicity and metropolitan statistical area of residence, 2018—United States (cont)

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino ^a			White		
	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c
Scranton–Wilkes-Barre–Hazleton, PA	0	0.0	—	0	0.0	—	5	54.3	—	4	18.6	—	16	8.2	66
Seattle–Tacoma–Bellevue, WA	1	7.5	—	16	6.8	15	57	55.7	65	60	38.7	30	126	11.7	39
Seattle Division	1	10.9	—	16	7.5	—	45	60.5	—	56	47.6	—	106	12.9	—
Tacoma Division	0	0.0	—	0	0.0	—	12	42.9	—	4	10.7	—	20	8.0	—
Spokane–Spokane Valley, WA	0	0.0	—	1	21.1	—	2	41.3	—	3	23.9	—	14	6.9	77
Springfield, MA	0	0.0	—	3	36.6	—	13	77.8	28	22	46.0	15	11	6.1	—
Stockton–Lodi, CA	0	0.0	—	2	4.3	—	10	46.1	—	20	16.6	62	16	16.0	19
Syracuse, NY	0	0.0	—	0	0.0	—	11	56.7	—	6	58.2	—	8	3.6	—
Tampa–St. Petersburg–Clearwater, FL	1	30.5	—	9	20.3	—	170	121.9	3	104	41.7	23	166	19.8	7
Toledo, OH	0	0.0	—	0	0.0	—	27	82.8	23	4	25.6	—	15	8.0	67
Tucson, AZ	3	31.2	—	2	15.3	—	12	72.1	40	48	32.2	47	36	15.2	25
Tulsa, OK	3	9.5	—	1	10.2	—	8	26.2	—	10	26.8	—	23	8.6	62
Virginia Beach–Norfolk–Newport News, VA–NC	0	0.0	—	3	10.9	—	125	62.2	52	16	33.1	44	42	10.2	48
Washington–Arlington–Alexandria, DC–VA–MD–WV	2	36.0	—	20	7.6	13	448	73.8	38	125	32.0	48	100	8.3	65
Silver Spring Division	1	108.6	—	8	11.6	—	43	51.9	—	27	30.1	—	16	5.9	—
Washington Division	1	21.5	—	12	6.2	—	405	77.3	—	98	32.5	—	84	9.0	—
Wichita, KS	0	0.0	—	4	41.8	—	13	69.5	42	6	19.1	—	18	9.4	56
Winston-Salem, NC	0	0.0	—	1	22.2	—	30	67.5	46	15	60.5	6	22	11.5	41
Worcester, MA–CT	0	0.0	—	1	5.5	—	10	57.8	—	11	25.6	—	14	4.5	89
Youngstown–Warren–Boardman, OH–PA	0	0.0	—	0	0.0	—	13	58.3	62	3	34.6	—	14	7.4	73
Subtotal for MSAs (population of ≥500,000)	80	21.4	—	680	10.1	—	9,642	81.1	—	7,591	41.1	—	6,013	11.7	—
Metropolitan areas (population of 50,000–499,999)	32	15.8	—	61	9.4	—	1,506	62.5	—	735	23.3	—	1,280	7.4	—
Nonmetropolitan areas	44	11.3	—	23	12.1	—	707	44.2	—	268	16.4	—	755	4.9	—
Total^f	156	16.2	—	767	10.1	—	11,897	74.9	—	8,622	37.0	—	8,066	9.6	—

Abbreviation: MSA, metropolitan statistical area.

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data are based on residence at time of diagnosis of HIV infection.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

Data for Native Hawaiians/other Pacific Islanders are not presented due to small population denominators (i.e., less than 100).

^a Hispanics/Latinos can be of any race.^b Rates are per 100,000 population.^c Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.^d Counts of diagnoses of HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.^e Data are not presented for San Juan–Carolina–Caguas, PR. The 2018 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).^f Includes persons whose county of residence is unknown.

Table 4b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2018—United States

MSA of residence	American Indian/ Alaska Native		Asian ^a		Black/African American		Hispanic/Latino ^b		White	
	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c
Akron, OH	0	0.0	5	50.2	335	1,041.9	37	640.4	418	175.7
Albany–Schenectady–Troy, NY	0	0.0	8	49.7	379	1,357.7	277	1,535.9	570	189.7
Albuquerque, NM	66	348.7	9	118.5	104	1,017.3	794	447.1	590	375.6
Allentown–Bethlehem–Easton, PA–NJ	0	0.0	9	85.4	127	697.1	281	501.0	295	113.0
Atlanta–Sandy Springs–Roswell, GA	14	300.9	163	109.5	19,064	2,535.7	2,397	982.9	5,711	488.7
Augusta–Richmond County, GA–SC	0	0.0	9	196.6	1,107	1,373.4	72	523.6	347	249.8
Austin–Round Rock, TX	1	36.9	67	119.8	887	1,383.4	1,968	705.5	2,216	455.8
Bakersfield, CA	2	85.4	13	74.7	189	900.4	783	416.3	404	312.8
Baltimore–Columbia–Towson, MD	7	243.4	71	108.6	7,064	2,306.7	528	828.4	1,540	230.7
Baton Rouge, LA	5	553.5	7	94.0	2,588	2,287.2	79	576.5	587	298.5
Birmingham–Hoover, AL	3	232.2	5	72.4	1,887	1,519.6	110	570.7	1,003	333.3
Boise City, ID	2	106.9	2	35.5	7	209.0	38	99.9	133	54.7
Boston–Cambridge–Newton, MA–NH ^d	12	391.4	297	177.8	2,587	1,700.2	2,469	1,125.5	4,646	319.9
Boston Division	6	401.0	158	238.9	1,765	1,675.3	1,392	1,429.9	2,540	456.0
Cambridge Division	6	483.6	137	142.2	806	1,798.8	1,061	909.2	1,902	263.3
Bridgeport–Stamford–Norwalk, CT	0	0.0	22	104.7	504	1,279.8	627	836.2	531	216.6
Buffalo–Cheektowaga–Niagara Falls, NY	0	0.0	23	161.8	594	1,181.3	322	1,513.5	608	164.1
Cape Coral–Fort Myers, FL	1	136.1	8	169.5	426	1,824.5	330	500.8	714	319.6
Charleston–North Charleston, SC	1	78.3	5	80.1	1,136	1,501.0	135	770.0	589	274.5
Charlotte–Concord–Gastonia, NC–SC	10	271.2	34	81.9	3,674	1,711.5	582	593.1	1,627	249.3
Chattanooga, TN–GA	1	153.5	4	107.5	315	1,105.9	64	636.1	484	265.0
Chicago–Naperville–Elgin, IL–IN–WI	23	464.5	340	126.3	10,208	1,756.9	5,502	655.1	6,098	286.6
Chicago Division	23	670.4	316	136.6	9,489	1,897.0	5,012	765.7	5,433	353.4
Elgin Division	0	0.0	12	118.3	70	496.8	130	182.3	119	73.2
Gary Division	0	0.0	3	71.0	445	1,025.2	121	268.4	321	170.8
Lake County Division	0	0.0	9	38.2	204	875.6	239	346.9	225	94.0
Cincinnati, OH–KY–IN	2	139.4	21	86.3	1,504	1,471.7	163	620.8	1,590	220.8
Cleveland–Elyria, OH	0	0.0	18	86.5	2,171	1,452.6	489	1,029.5	1,414	233.4
Colorado Springs, CO	4	198.0	8	105.9	111	557.7	146	306.7	460	207.9
Columbia, SC	0	0.0	6	76.0	2,220	2,102.4	153	811.3	622	313.8
Columbus, OH	6	340.9	32	80.9	1,596	1,262.3	264	780.4	2,396	376.7
Dallas–Fort Worth–Arlington, TX	9	77.5	288	133.0	7,999	1,802.9	5,924	710.6	7,233	499.9
Dallas Division	8	110.3	212	125.9	6,268	2,017.7	4,729	822.3	5,710	630.8
Fort Worth Division	1	22.9	76	157.9	1,731	1,301.3	1,195	462.2	1,523	281.2
Dayton, OH	0	0.0	10	131.4	555	1,171.9	53	598.5	629	245.9
Deltona–Daytona Beach–Ormond Beach, FL	2	241.7	7	131.5	452	1,691.3	215	588.2	665	322.4
Denver–Aurora–Lakewood, CO	36	602.1	73	145.6	1,063	1,544.5	1,967	742.8	4,960	610.9
Des Moines–West Des Moines, IA	0	0.0	19	162.0	106	763.7	75	415.6	459	214.7

Table 4b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2018—United States (cont)

MSA of residence	American Indian/ Alaska Native		Asian ^a		Black/African American		Hispanic/Latino ^b		White	
	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c
Detroit–Warren–Dearborn, MI	6	111.6	53	63.1	5,088	1,444.1	398	534.7	2,121	174.3
Detroit Division	5	205.7	22	88.1	3,911	1,581.4	224	565.7	841	230.1
Warren Division	1	34.0	31	52.5	1,177	1,120.8	174	499.5	1,280	150.3
Durham–Chapel Hill, NC	3	394.9	14	111.8	929	1,616.6	195	780.5	383	289.4
El Paso, TX	0	0.0	5	137.5	70	535.9	1,742	656.4	113	240.2
Fayetteville–Springdale–Rogers, AR–MO	2	67.1	10	136.4	48	827.4	86	254.3	362	219.3
Fresno, CA	8	334.1	55	135.5	200	1,076.8	929	462.9	431	353.0
Grand Rapids–Wyoming, MI	3	196.5	15	126.7	235	850.2	148	385.4	487	139.4
Greensboro–High Point, NC	2	145.3	16	135.8	1,283	1,652.0	130	541.6	478	256.1
Greenville–Anderson–Mauldin, SC	2	243.4	6	80.9	838	1,486.5	148	612.8	561	205.3
Harrisburg–Carlisle, PA	0	0.0	4	39.2	181	772.7	92	659.6	276	149.1
Hartford–West Hartford–East Hartford, CT	1	124.5	29	110.0	710	1,342.5	891	1,276.5	756	217.9
Honolulu (Urban), HI	2	231.9	263	155.6	80	603.1	159	441.3	559	638.3
Houston–The Woodlands–Sugar Land, TX	9	136.8	319	141.7	9,240	2,050.8	7,505	736.7	4,918	466.9
Indianapolis–Carmel–Anderson, IN	3	178.5	100	367.4	1,813	1,554.9	421	817.2	2,005	330.5
Jackson, MS	1	288.1	1	36.7	1,746	1,634.9	77	1,166.2	295	268.4
Jacksonville, FL	3	137.3	36	146.6	2,699	2,236.4	357	640.5	1,427	351.0
Kansas City, MO–KS	5	135.2	37	145.4	1,256	1,254.0	478	647.5	2,032	316.8
Knoxville, TN	0	0.0	6	104.5	184	908.0	60	458.8	587	183.2
Lakeland–Winter Haven, FL	4	473.3	6	117.4	651	1,631.3	364	556.1	563	321.8
Lancaster, PA	0	0.0	4	81.4	46	563.0	124	570.2	181	99.8
Las Vegas–Henderson–Paradise, NV	25	598.5	260	301.0	1,713	1,678.3	2,133	787.5	2,783	654.2
Lexington–Fayette, KY	0	0.0	4	61.7	225	991.6	116	889.7	553	335.1
Little Rock–North Little Rock–Conway, AR	1	80.7	5	101.4	899	1,422.8	118	770.6	728	354.0
Los Angeles–Long Beach–Anaheim, CA	55	501.9	1,964	223.8	8,035	2,301.8	23,181	973.2	14,530	827.8
Anaheim Division	7	254.0	443	164.1	268	1,129.8	2,951	692.6	2,232	396.7
Los Angeles Division	48	585.2	1,521	250.3	7,767	2,387.2	20,230	1,034.3	12,298	1,031.2
Louisville/Jefferson County, KY–IN	1	88.1	20	179.5	1,066	1,506.8	210	828.1	1,535	373.9
Madison, WI	0	0.0	10	67.5	110	910.9	63	425.6	296	127.6
McAllen–Edinburg–Mission, TX	1	513.9	0	0.0	27	1,387.8	1,108	381.2	49	206.9
Memphis, TN–MS–AR	1	97.0	9	79.6	3,923	1,685.3	166	584.3	656	268.3
Miami–Fort Lauderdale–West Palm Beach, FL	15	416.4	202	317.0	13,893	2,895.1	14,915	1,285.9	9,223	1,122.7
Fort Lauderdale Division	8	510.3	106	362.6	5,094	2,463.9	3,231	1,357.4	5,534	1,764.9
Miami Division	4	412.2	67	379.8	6,263	3,739.4	10,739	1,367.9	2,273	1,448.3
West Palm Beach Division	3	282.0	29	172.2	2,536	2,400.4	945	690.9	1,416	403.4
Milwaukee–Waukesha–West Allis, WI	4	150.6	20	81.5	915	1,010.3	290	450.4	594	133.4
Minneapolis–St. Paul–Bloomington, MN–WI	47	568.5	111	115.3	1,559	1,323.7	627	762.7	2,866	248.9
Modesto, CA	1	82.6	20	167.4	52	833.9	288	294.6	257	273.1
Nashville–Davidson–Murfreesboro–Franklin, TN	1	42.6	27	124.0	1,728	1,537.5	310	571.0	1,826	316.1

Table 4b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2018—United States (cont)

MSA of residence	American Indian/ Alaska Native		Asian ^a		Black/African American		Hispanic/Latino ^b		White	
	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c
New Haven–Milford, CT	1	159.8	16	110.0	715	1,682.4	678	1,131.3	631	275.1
New Orleans–Metairie, LA	5	245.5	35	232.9	3,429	2,088.9	442	959.0	1,889	687.2
New York–Newark–Jersey City, NY–NJ–PA ^d	43	300.1	1,825	197.5	33,489	2,762.8	36,317	1,889.2	19,074	487.1
Nassau County Division	0	0.0	48	59.3	822	779.8	1,401	675.2	1,349	175.9
New York Division	39	357.7	1,719	226.4	27,955	3,082.9	32,403	2,174.6	16,357	659.1
Newark Division	4	290.4	50	63.8	4,533	2,452.9	2,225	1,096.0	1,164	214.5
North Port–Sarasota–Bradenton, FL	1	148.0	7	117.5	333	1,694.9	237	577.0	830	301.3
Ogden–Clearfield, UT	8	614.7	6	148.6	16	422.9	78	234.4	221	102.7
Oklahoma City, OK	77	364.2	23	124.0	570	1,009.6	271	386.5	1,255	337.0
Omaha–Council Bluffs, NE–IA	4	246.0	6	52.6	69	254.1	58	157.9	167	56.8
Orlando–Kissimmee–Sanford, FL	9	363.0	73	158.2	2,973	1,906.6	2,693	842.3	3,100	605.9
Oxnard–Thousand Oaks–Ventura, CA	0	0.0	24	96.5	38	533.2	459	321.0	359	214.7
Palm Bay–Melbourne–Titusville, FL	1	115.9	9	153.4	312	1,343.9	123	490.3	599	310.3
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	22	558.8	167	110.6	9,599	2,038.4	2,873	1,281.4	3,985	251.7
Camden Division	0	0.0	21	85.4	812	1,033.3	490	903.0	618	180.5
Montgomery Division	3	333.5	10	19.9	278	512.0	168	365.5	573	87.3
Philadelphia Division	19	1,239.6	133	213.6	7,634	2,737.3	2,038	2,093.5	2,369	603.1
Wilmington Division	0	0.0	3	21.4	875	1,479.7	177	664.6	425	222.2
Phoenix–Mesa–Scottsdale, AZ	248	682.9	133	168.0	1,265	1,182.4	3,430	591.6	5,118	444.1
Pittsburgh, PA	0	0.0	18	72.4	777	1,048.2	136	800.2	1,276	151.3
Portland–South Portland, ME	0	0.0	2	55.6	91	2,056.2	49	1,171.2	496	238.1
Portland–Vancouver–Hillsboro, OR–WA	31	423.7	106	150.6	321	1,007.6	741	630.8	3,509	456.1
Providence–Warwick, RI–MA	5	206.0	24	120.1	318	867.0	446	544.2	1,019	195.7
Provo–Orem, UT	0	0.0	4	95.4	9	522.2	63	230.0	106	53.1
Raleigh, NC	4	227.9	25	74.8	1,514	1,498.2	326	607.3	858	246.9
Richmond, VA	1	49.2	20	94.4	1,469	989.5	186	567.7	687	218.7
Riverside–San Bernardino–Ontario, CA	33	392.7	201	160.3	1,236	920.6	3,945	427.1	6,200	973.1
Rochester, NY	0	0.0	6	49.7	651	1,462.6	408	1,340.9	702	202.3
Sacramento–Roseville–Arden–Arcade, CA	20	389.0	145	113.5	769	1,156.1	961	489.5	2,212	429.7
St. Louis, MO–IL	1	39.8	31	102.2	2,967	1,602.6	248	725.8	2,282	264.1
Salt Lake City, UT	12	377.5	37	171.8	102	1,086.7	392	468.9	1,080	302.9
San Antonio–New Braunfels, TX	3	107.8	38	150.3	685	981.6	3,749	693.9	1,190	329.5
San Diego–Carlsbad, CA	32	498.2	349	215.6	1,289	1,749.7	4,432	1,007.9	5,308	773.9
San Francisco–Oakland–Hayward, CA ^d	53	1,108.4	1,396	267.8	3,737	2,622.8	4,923	1,187.1	9,831	1,172.4
Oakland Division	17	555.6	453	155.0	2,243	2,045.6	1,685	638.9	2,514	562.9
San Francisco Division	35	2,474.2	928	416.0	1,374	4,734.0	3,059	2,279.8	6,946	2,222.5
San Jose–Sunnyvale–Santa Clara, CA	4	225.7	342	110.7	228	1,070.4	1,281	612.3	939	330.1
San Juan–Carolina–Caguas, PR ^e	—	—	—	—	—	—	—	—	—	—
Scranton–Wilkes-Barre–Hazleton, PA	1	352.3	2	47.8	76	825.8	62	288.9	187	95.6

Table 4b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2018—United States (cont)

MSA of residence	American Indian/ Alaska Native		Asian ^a		Black/African American		Hispanic/Latino ^b		White	
	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c
Seattle–Tacoma–Bellevue, WA	41	307.8	316	134.7	1,184	1,156.7	1,298	836.9	4,604	428.8
Seattle Division	31	337.9	290	136.3	956	1,285.5	1,105	938.5	3,985	483.8
Tacoma Division	10	241.2	26	119.3	228	814.6	193	516.7	619	247.6
Spokane–Spokane Valley, WA	6	151.3	10	210.6	47	969.8	55	438.6	434	212.5
Springfield, MA	0	0.0	18	219.9	254	1,520.3	694	1,449.8	446	246.3
Stockton–Lodi, CA	2	144.5	46	99.2	241	1,111.1	401	332.9	311	310.7
Syracuse, NY	2	118.7	11	149.9	238	1,227.0	146	1,416.3	413	184.4
Tampa–St. Petersburg–Clearwater, FL	2	60.9	87	196.5	2,966	2,126.9	1,808	725.6	4,644	553.0
Toledo, OH	0	0.0	3	76.0	324	993.2	52	332.9	363	194.3
Tucson, AZ	46	477.7	20	153.0	192	1,153.8	778	522.5	1,123	475.4
Tulsa, OK	83	262.1	24	244.2	304	995.7	163	436.7	876	327.6
Virginia Beach–Norfolk–Newport News, VA–NC	4	149.1	31	112.8	2,802	1,393.7	226	467.9	1,109	269.7
Washington–Arlington–Alexandria, DC–VA–MD–WV	17	305.6	309	118.0	12,672	2,087.1	2,847	727.8	4,679	390.4
Silver Spring Division	1	108.6	62	90.0	1,139	1,374.0	492	548.0	597	220.9
Washington Division	16	344.7	247	128.0	11,533	2,199.9	2,355	781.4	4,082	439.7
Wichita, KS	2	93.5	17	177.5	176	941.2	119	378.1	399	208.4
Winston-Salem, NC	2	233.3	3	66.6	728	1,637.1	172	693.4	413	216.0
Worcester, MA–CT	2	233.9	28	153.8	257	1,484.4	435	1,011.2	616	197.4
Youngstown–Warren–Boardman, OH–PA	0	0.0	1	65.9	217	973.3	75	863.8	261	137.9
Subtotal for MSAs (population of ≥500,000)	1,241	331.8	11,208	166.6	224,050	1,885.2	163,949	886.9	199,771	387.8
Metropolitan areas (population of 50,000–499,999)	412	203.2	716	110.9	27,554	1,144.1	12,644	400.2	33,168	192.5
Nonmetropolitan areas	587	150.8	167	87.6	15,572	972.6	6,230	382.2	18,695	122.2
Total^f	2,328	241.0	12,429	164.3	280,088	1,762.2	187,284	804.7	264,023	314.1

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States.

Data are based on address of residence at the end of the specified year (i.e., most recent known address).

Data exclude 526 persons whose race/ethnicity is unknown.

Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

Data for Native Hawaiians/other Pacific Islanders are not presented due to small population denominators (i.e., less than 100).

^a Includes Asian/Pacific Islander legacy cases.^b Hispanics/Latinos can be of any race.^c Rates are per 100,000 population.^d Counts of persons living with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.^e Data are not presented for San Juan–Carolina–Caguas, PR. The 2018 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).^f Includes persons whose county of residence is unknown.

Table 5a. Diagnoses of HIV infection among adult and adolescent females, by race/ethnicity and metropolitan statistical area of residence, 2018—United States

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino ^a			White		
	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c
Akron, OH	0	0.0	—	0	0.0	—	2	5.2	—	0	0.0	—	3	1.2	—
Albany–Schenectady–Troy, NY	0	0.0	—	0	0.0	—	6	19.9	—	5	27.6	—	4	1.3	—
Albuquerque, NM	0	0.0	—	0	0.0	—	1	13.1	—	6	3.2	—	1	0.6	—
Allentown–Bethlehem–Easton, PA–NJ	0	0.0	—	0	0.0	—	10	56.5	—	3	5.3	—	1	0.4	—
Atlanta–Sandy Springs–Roswell, GA	0	0.0	—	3	1.9	—	238	26.0	15	23	10.1	4	31	2.5	11
Augusta–Richmond County, GA–SC	0	0.0	—	0	0.0	—	24	25.5	16	0	0.0	—	5	3.5	—
Austin–Round Rock, TX	0	0.0	—	1	1.7	—	8	12.3	—	15	5.5	10	12	2.4	12
Bakersfield, CA	0	0.0	—	0	0.0	—	4	24.1	—	9	5.2	—	3	2.3	—
Baltimore–Columbia–Towson, MD	0	0.0	—	0	0.0	—	86	23.0	19	7	11.8	—	14	2.0	21
Baton Rouge, LA	0	0.0	—	0	0.0	—	61	47.7	3	0	0.0	—	9	4.4	—
Birmingham–Hoover, AL	0	0.0	—	0	0.0	—	19	12.6	43	0	0.0	—	4	1.2	—
Boise City, ID	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—	3	1.2	—
Boston–Cambridge–Newton, MA–NH ^d	0	0.0	—	5	2.7	—	70	41.6	4	34	15.4	1	33	2.1	20
Boston Division	0	0.0	—	1	1.3	—	40	33.3	—	17	17.4	—	12	2.0	—
Cambridge Division	0	0.0	—	4	3.9	—	30	64.3	—	17	14.3	—	20	2.6	—
Bridgeport–Stamford–Norwalk, CT	0	0.0	—	0	0.0	—	7	14.7	—	4	5.4	—	0	0.0	—
Buffalo–Cheektowaga–Niagara Falls, NY	0	0.0	—	1	6.5	—	4	6.7	—	2	8.8	—	6	1.5	—
Cape Coral–Fort Myers, FL	0	0.0	—	0	0.0	—	8	31.6	—	5	7.7	—	6	2.5	—
Charleston–North Charleston, SC	0	0.0	—	0	0.0	—	14	15.6	36	3	19.5	—	8	3.6	—
Charlotte–Concord–Gastonia, NC–SC	0	0.0	—	0	0.0	—	40	15.3	38	1	1.0	—	10	1.4	—
Chattanooga, TN–GA	0	0.0	—	0	0.0	—	7	20.4	—	0	0.0	—	1	0.5	—
Chicago–Naperville–Elgin, IL–IN–WI	0	0.0	—	3	1.0	—	158	22.2	23	22	2.7	17	14	0.6	30
Chicago Division	0	0.0	—	3	1.2	—	147	23.9	—	16	2.5	—	9	0.6	—
Elgin Division	0	0.0	—	0	0.0	—	2	13.1	—	1	1.5	—	1	0.6	—
Gary Division	0	0.0	—	0	0.0	—	6	11.0	—	2	4.5	—	2	1.0	—
Lake County Division	0	0.0	—	0	0.0	—	3	12.1	—	3	4.6	—	2	0.8	—
Cincinnati, OH–KY–IN	0	0.0	—	0	0.0	—	23	19.7	29	2	8.2	—	35	4.6	3
Cleveland–Elyria, OH	0	0.0	—	0	0.0	—	14	7.6	47	1	2.1	—	7	1.1	—
Colorado Springs, CO	0	0.0	—	0	0.0	—	2	12.6	—	1	2.1	—	1	0.5	—
Columbia, SC	0	0.0	—	0	0.0	—	29	23.0	20	1	6.3	—	4	1.9	—
Columbus, OH	0	0.0	—	0	0.0	—	29	21.2	27	2	6.5	—	19	2.9	10
Dallas–Fort Worth–Arlington, TX	0	0.0	—	3	1.3	—	124	23.7	18	48	5.9	9	36	2.4	15
Dallas Division	0	0.0	—	0	0.0	—	100	27.0	—	33	6.0	—	21	2.2	—
Fort Worth Division	0	0.0	—	3	5.6	—	24	15.7	—	15	5.9	—	15	2.6	—
Dayton, OH	0	0.0	—	0	0.0	—	3	5.4	—	0	0.0	—	3	1.1	—
Deltona–Daytona Beach–Ormond Beach, FL	0	0.0	—	0	0.0	—	10	33.8	—	2	5.3	—	6	2.7	—
Denver–Aurora–Lakewood, CO	0	0.0	—	0	0.0	—	9	14.0	—	7	2.7	—	7	0.9	—
Des Moines–West Des Moines, IA	0	0.0	—	0	0.0	—	6	45.8	—	1	6.0	—	3	1.3	—

Table 5a. Diagnoses of HIV infection among adult and adolescent females, by race/ethnicity and metropolitan statistical area of residence, 2018—United States (*cont*)

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino ^a			White		
	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c
Detroit–Warren–Dearborn, MI	0	0.0	—	1	1.2	—	65	15.0	40	3	4.1	—	16	1.3	27
Detroit Division	0	0.0	—	0	0.0	—	49	16.3	—	3	7.7	—	5	1.3	—
Warren Division	0	0.0	—	1	1.7	—	16	12.1	—	0	0.0	—	11	1.2	—
Durham–Chapel Hill, NC	0	0.0	—	1	7.1	—	15	21.3	25	0	0.0	—	2	1.4	—
El Paso, TX	0	0.0	—	0	0.0	—	0	0.0	—	7	2.4	—	1	2.7	—
Fayetteville–Springdale–Rogers, AR–MO	0	0.0	—	0	0.0	—	2	41.2	—	1	3.1	—	2	1.2	—
Fresno, CA	0	0.0	—	0	0.0	—	0	0.0	—	8	4.0	—	0	0.0	—
Grand Rapids–Wyoming, MI	0	0.0	—	0	0.0	—	2	7.4	—	2	5.5	—	3	0.8	—
Greensboro–High Point, NC	0	0.0	—	0	0.0	—	18	18.9	31	2	8.9	—	3	1.5	—
Greenville–Anderson–Mauldin, SC	0	0.0	—	0	0.0	—	7	10.6	—	0	0.0	—	9	3.1	—
Harrisburg–Carlisle, PA	0	0.0	—	0	0.0	—	3	12.7	—	1	7.2	—	1	0.5	—
Hartford–West Hartford–East Hartford, CT	0	0.0	—	0	0.0	—	10	17.6	—	5	6.8	—	8	2.2	—
Honolulu (Urban), HI	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—	2	3.0	—
Houston–The Woodlands–Sugar Land, TX	0	0.0	—	7	2.9	—	175	33.6	9	85	8.6	6	26	2.4	13
Indianapolis–Carmel–Anderson, IN	0	0.0	—	0	0.0	—	37	27.4	13	3	6.3	—	15	2.3	16
Jackson, MS	0	0.0	—	1	31.5	—	19	15.2	39	0	0.0	—	4	3.4	—
Jacksonville, FL	0	0.0	—	0	0.0	—	49	34.6	7	3	5.4	—	23	5.4	1
Kansas City, MO–KS	0	0.0	—	0	0.0	—	25	22.2	24	4	5.7	—	16	2.4	14
Knoxville, TN	1	91.5	—	0	0.0	—	8	37.0	—	1	8.5	—	5	1.5	—
Lakeland–Winter Haven, FL	0	0.0	—	0	0.0	—	15	34.4	8	3	4.7	—	8	4.3	—
Lancaster, PA	0	0.0	—	0	0.0	—	2	27.1	—	0	0.0	—	1	0.5	—
Las Vegas–Henderson–Paradise, NV	0	0.0	—	2	1.8	—	33	30.3	10	5	1.9	—	18	4.4	4
Lexington–Fayette, KY	0	0.0	—	0	0.0	—	6	24.8	—	0	0.0	—	6	3.4	—
Little Rock–North Little Rock–Conway, AR	0	0.0	—	0	0.0	—	13	16.7	35	0	0.0	—	5	2.3	—
Los Angeles–Long Beach–Anaheim, CA	1	8.7	—	8	0.8	—	71	18.1	32	87	3.6	16	40	2.3	17
Anaheim Division	0	0.0	—	1	0.3	—	4	18.6	—	14	3.3	—	7	1.2	—
Los Angeles Division	1	11.6	—	7	1.0	—	67	18.0	—	73	3.7	—	33	2.8	—
Louisville/Jefferson County, KY–IN	0	0.0	—	0	0.0	—	14	17.1	33	1	4.5	—	13	3.0	7
Madison, WI	0	0.0	—	0	0.0	—	1	9.1	—	0	0.0	—	0	0.0	—
McAllen–Edinburg–Mission, TX	0	0.0	—	0	0.0	—	0	0.0	—	15	4.8	12	0	0.0	—
Memphis, TN–MS–AR	0	0.0	—	0	0.0	—	60	21.3	26	3	12.6	—	5	1.9	—
Miami–Fort Lauderdale–West Palm Beach, FL	0	0.0	—	3	4.1	—	280	51.1	2	95	7.6	8	40	4.8	2
Fort Lauderdale Division	0	0.0	—	2	5.9	—	99	40.8	—	14	5.5	—	15	4.8	—
Miami Division	0	0.0	—	1	4.9	—	116	62.0	—	71	8.3	—	11	7.4	—
West Palm Beach Division	0	0.0	—	0	0.0	—	65	54.8	—	10	7.3	—	14	3.7	—
Milwaukee–Waukesha–West Allis, WI	0	0.0	—	0	0.0	—	12	10.9	46	1	1.6	—	3	0.6	—
Minneapolis–St. Paul–Bloomington, MN–WI	0	0.0	—	0	0.0	—	34	29.1	11	3	3.9	—	16	1.3	26
Modesto, CA	0	0.0	—	3	22.6	—	1	17.3	—	5	5.2	—	2	2.0	—

Table 5a. Diagnoses of HIV infection among adult and adolescent females, by race/ethnicity and metropolitan statistical area of residence, 2018—United States (*cont*)

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino ^a			White		
	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c
Nashville–Davidson–Murfreesboro–Franklin, TN	0	0.0	—	2	8.2	—	22	17.0	34	3	6.3	—	7	1.1	—
New Haven–Milford, CT	0	0.0	—	0	0.0	—	14	28.4	12	3	4.7	—	5	2.0	—
New Orleans–Metairie, LA	0	0.0	—	0	0.0	—	45	22.5	22	11	26.5	—	12	4.1	5
New York–Newark–Jersey City, NY–NJ–PA ^d	0	0.0	—	18	1.8	1	363	24.8	17	175	8.7	5	45	1.1	28
Nassau County Division	0	0.0	—	0	0.0	—	23	18.9	—	10	5.0	—	5	0.6	—
New York Division	0	0.0	—	18	2.1	—	253	22.8	—	147	9.2	—	32	1.2	—
Newark Division	0	0.0	—	0	0.0	—	82	37.5	—	18	9.0	—	8	1.4	—
North Port–Sarasota–Bradenton, FL	0	0.0	—	1	12.7	—	9	40.0	—	1	2.4	—	7	2.3	—
Ogden–Clearfield, UT	0	0.0	—	0	0.0	—	1	39.7	—	0	0.0	—	1	0.5	—
Oklahoma City, OK	0	0.0	—	1	4.6	—	5	8.2	—	4	6.2	—	3	0.8	—
Omaha–Council Bluffs, NE–IA	0	0.0	—	0	0.0	—	2	7.0	—	1	2.9	—	4	1.3	—
Orlando–Kissimmee–Sanford, FL	0	0.0	—	1	1.8	—	67	38.6	5	43	12.7	3	16	3.0	6
Oxnard–Thousand Oaks–Ventura, CA	0	0.0	—	0	0.0	—	0	0.0	—	2	1.4	—	3	1.7	—
Palm Bay–Melbourne–Titusville, FL	0	0.0	—	0	0.0	—	4	15.4	—	2	7.5	—	9	4.5	—
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	0	0.0	—	1	0.6	—	116	20.6	28	31	14.1	2	28	1.7	25
Camden Division	0	0.0	—	0	0.0	—	12	13.6	—	0	0.0	—	2	0.5	—
Montgomery Division	0	0.0	—	1	1.8	—	9	15.8	—	4	9.6	—	7	1.0	—
Philadelphia Division	0	0.0	—	0	0.0	—	80	22.9	—	24	24.0	—	18	4.3	—
Wilmington Division	0	0.0	—	0	0.0	—	15	22.0	—	3	12.1	—	1	0.5	—
Phoenix–Mesa–Scottsdale, AZ	5	12.9	—	3	3.3	—	20	19.1	30	22	3.8	15	27	2.3	18
Pittsburgh, PA	0	0.0	—	1	4.0	—	5	5.9	—	0	0.0	—	9	1.0	—
Portland–South Portland, ME	0	0.0	—	0	0.0	—	1	26.4	—	0	0.0	—	3	1.3	—
Portland–Vancouver–Hillsboro, OR–WA	0	0.0	—	0	0.0	—	0	0.0	—	3	2.7	—	15	1.9	22
Providence–Warwick, RI–MA	0	0.0	—	0	0.0	—	9	24.6	—	6	7.3	—	4	0.7	—
Provo–Orem, UT	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—	1	0.5	—
Raleigh, NC	0	0.0	—	0	0.0	—	18	14.9	41	1	1.9	—	4	1.1	—
Richmond, VA	0	0.0	—	1	4.3	—	20	11.3	45	0	0.0	—	5	1.5	—
Riverside–San Bernardino–Ontario, CA	0	0.0	—	1	0.7	—	16	11.5	44	22	2.4	18	19	3.0	8
Rochester, NY	0	0.0	—	1	7.4	—	3	5.9	—	1	3.2	—	2	0.5	—
Sacramento–Roseville–Arden–Arcade, CA	0	0.0	—	3	2.1	—	11	15.8	—	8	4.0	—	6	1.1	—
St. Louis, MO–IL	0	0.0	—	0	0.0	—	34	14.7	42	0	0.0	—	8	0.9	—
Salt Lake City, UT	0	0.0	—	0	0.0	—	2	31.9	—	1	1.2	—	3	0.8	—
San Antonio–New Braunfels, TX	0	0.0	—	0	0.0	—	11	16.2	—	25	4.4	13	6	1.6	—
San Diego–Carlsbad, CA	0	0.0	—	1	0.5	—	11	18.3	—	22	4.9	11	12	1.8	23
San Francisco–Oakland–Hayward, CA ^d	0	0.0	—	4	0.7	—	35	23.0	21	16	3.9	14	15	1.8	24
Oakland Division	0	0.0	—	1	0.3	—	23	18.5	—	8	3.1	—	9	2.0	—
San Francisco Division	0	0.0	—	3	1.1	—	10	38.2	—	7	5.4	—	5	1.8	—
San Jose–Sunnyvale–Santa Clara, CA	0	0.0	—	3	0.9	—	3	16.3	—	8	3.9	—	4	1.5	—

Table 5a. Diagnoses of HIV infection among adult and adolescent females, by race/ethnicity and metropolitan statistical area of residence, 2018—United States (cont)

MSA of residence	American Indian/ Alaska Native			Asian			Black/African American			Hispanic/Latino ^a			White		
	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c	No.	Rate ^b	Rank ^c
San Juan—Carolina—Caguas, PR ^e	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scranton—Wilkes-Barre—Hazleton, PA	0	0.0	—	0	0.0	—	3	48.8	—	4	19.3	—	3	1.4	—
Seattle—Tacoma—Bellevue, WA	1	7.1	—	3	1.1	—	73	81.0	1	9	6.3	—	24	2.2	19
Seattle Division	1	10.5	—	3	1.3	—	59	88.3	—	8	7.4	—	18	2.2	—
Tacoma Division	0	0.0	—	0	0.0	—	14	60.1	—	1	2.9	—	6	2.3	—
Spokane—Spokane Valley, WA	0	0.0	—	0	0.0	—	1	31.7	—	0	0.0	—	0	0.0	—
Springfield, MA	0	0.0	—	2	19.3	—	6	33.9	—	3	5.6	—	4	2.0	—
Stockton—Lodi, CA	0	0.0	—	1	2.0	—	6	27.1	—	4	3.4	—	5	4.8	—
Syracuse, NY	0	0.0	—	0	0.0	—	2	9.0	—	1	9.3	—	2	0.8	—
Tampa—St. Petersburg—Clearwater, FL	0	0.0	—	0	0.0	—	43	26.8	14	20	7.8	7	26	2.9	9
Toledo, OH	0	0.0	—	0	0.0	—	2	5.3	—	0	0.0	—	4	2.0	—
Tucson, AZ	0	0.0	—	0	0.0	—	6	46.6	—	3	1.9	—	1	0.4	—
Tulsa, OK	3	8.9	—	0	0.0	—	1	2.9	—	3	8.7	—	7	2.5	—
Virginia Beach—Norfolk—Newport News, VA—NC	0	0.0	—	0	0.0	—	36	15.5	37	5	11.3	—	7	1.7	—
Washington—Arlington—Alexandria, DC—VA—MD—WV	1	17.1	—	1	0.3	—	252	35.7	6	9	2.4	—	13	1.1	29
Silver Spring Division	0	0.0	—	1	1.2	—	47	48.8	—	2	2.3	—	2	0.7	—
Washington Division	1	20.8	—	0	0.0	—	205	33.6	—	7	2.5	—	11	1.2	—
Wichita, KS	0	0.0	—	0	0.0	—	1	5.4	—	1	3.4	—	1	0.5	—
Winston-Salem, NC	0	0.0	—	0	0.0	—	8	14.6	—	1	4.2	—	10	4.8	—
Worcester, MA—CT	0	0.0	—	0	0.0	—	7	43.9	—	4	9.2	—	5	1.5	—
Youngstown—Warren—Boardman, OH—PA	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—	3	1.5	—
Subtotal for MSAs (population of ≥500,000)	12	3.0	—	91	1.2	—	3,287	24.0	—	1,025	5.5	—	980	1.8	—
Metropolitan areas (population of 50,000–499,999)	5	2.4	—	6	0.8	—	536	21.0	—	110	3.6	—	311	1.7	—
Nonmetropolitan areas	13	3.2	—	6	2.7	—	254	16.9	—	49	3.5	—	196	1.3	—
Total^f	30	3.0	—	104	1.2	—	4,097	23.0	—	1,189	5.2	—	1,491	1.7	—

Abbreviation: MSA, metropolitan statistical area.

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data are based on residence at time of diagnosis of HIV infection.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

Data for Native Hawaiians/other Pacific Islanders are not presented due to small population denominators (i.e., less than 100).

^a Hispanics/Latinos can be of any race.^b Rates are per 100,000 population.^c Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.^d Counts of diagnoses of HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.^e Data are not presented for San Juan—Carolina—Caguas, PR. The 2018 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).^f Includes persons whose county of residence is unknown.

Table 5b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2018—United States

MSA of residence	American Indian/ Alaska Native		Asian ^a		Black/African American		Hispanic/Latino ^b		White	
	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c
Akron, OH	1	182.4	3	30.1	116	302.1	5	84.7	69	27.4
Albany–Schenectady–Troy, NY	0	0.0	6	35.3	262	868.6	149	821.7	177	55.6
Albuquerque, NM	19	87.5	0	0.0	36	470.5	80	42.8	53	32.4
Allentown–Bethlehem–Easton, PA–NJ	1	223.2	1	8.9	98	553.2	200	351.4	93	33.4
Atlanta–Sandy Springs–Roswell, GA	1	19.9	46	28.9	6,029	659.1	504	220.5	599	49.0
Augusta–Richmond County, GA–SC	0	0.0	2	33.2	597	634.5	33	284.2	94	65.4
Austin–Round Rock, TX	0	0.0	10	17.3	425	654.7	243	89.3	187	38.0
Bakersfield, CA	1	40.2	5	26.8	49	295.2	118	68.5	86	67.3
Baltimore–Columbia–Towson, MD	5	160.9	16	22.2	4,213	1,128.3	164	276.9	452	64.1
Baton Rouge, LA	0	0.0	3	40.8	1,665	1,302.8	25	222.4	163	79.9
Birmingham–Hoover, AL	1	72.9	2	24.8	815	541.1	27	163.6	156	48.1
Boise City, ID	1	54.5	0	0.0	11	518.4	7	19.3	25	10.1
Boston–Cambridge–Newton, MA–NH ^d	5	157.6	79	42.6	2,248	1,336.9	900	406.8	749	47.9
Boston Division	3	183.5	24	31.2	1,348	1,121.7	409	418.8	324	53.8
Cambridge Division	2	162.6	55	53.3	892	1,910.9	485	408.5	393	50.4
Bridgeport–Stamford–Norwalk, CT	2	418.9	8	33.7	458	964.2	313	424.6	120	45.8
Buffalo–Cheektowaga–Niagara Falls, NY	0	0.0	12	78.4	337	565.8	157	690.6	159	40.2
Cape Coral–Fort Myers, FL	0	0.0	0	0.0	375	1,482.3	117	179.7	129	54.1
Charleston–North Charleston, SC	1	76.8	0	0.0	542	604.1	30	195.2	113	50.7
Charlotte–Concord–Gastonia, NC–SC	2	52.3	17	40.0	1,775	678.6	162	168.7	291	42.1
Chattanooga, TN–GA	0	0.0	1	24.4	154	448.1	19	222.8	100	50.8
Chicago–Naperville–Elgin, IL–IN–WI	7	127.2	63	21.1	3,958	557.0	898	111.3	571	25.7
Chicago Division	7	179.7	56	21.9	3,616	586.8	790	125.3	425	26.3
Elgin Division	0	0.0	5	44.8	40	261.3	21	31.1	27	15.9
Gary Division	0	0.0	0	0.0	180	331.2	29	65.1	70	35.6
Lake County Division	0	0.0	2	7.7	122	492.0	58	89.7	49	20.0
Cincinnati, OH–KY–IN	0	0.0	7	26.7	541	464.1	43	175.4	331	43.9
Cleveland–Elyria, OH	2	140.1	3	12.9	684	373.2	183	383.8	206	31.9
Colorado Springs, CO	0	0.0	3	27.8	59	370.6	31	65.7	69	31.7
Columbia, SC	0	0.0	3	36.2	966	766.8	40	251.1	144	69.2
Columbus, OH	1	54.7	9	21.7	723	528.4	61	197.8	324	48.8
Dallas–Fort Worth–Arlington, TX	5	40.7	76	32.9	3,667	700.5	986	121.9	744	49.0
Dallas Division	2	25.7	54	30.5	2,838	766.4	739	133.3	442	46.8
Fort Worth Division	3	66.7	22	40.8	829	541.2	247	97.0	302	52.5
Dayton, OH	1	128.9	1	11.2	226	403.3	2	23.5	98	36.0
Deltona–Daytona Beach–Ormond Beach, FL	2	240.5	2	31.3	287	970.3	79	210.9	180	81.8
Denver–Aurora–Lakewood, CO	14	222.0	21	35.4	469	728.2	228	87.6	340	41.5
Des Moines–West Des Moines, IA	0	0.0	12	101.2	91	694.1	16	96.6	50	22.0

Table 5b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2018—United States (cont)

MSA of residence	American Indian/ Alaska Native		Asian ^a		Black/African American		Hispanic/Latino ^b		White	
	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c
Detroit–Warren–Dearborn, MI	5	86.4	14	16.4	1,730	400.0	93	127.0	277	22.0
Detroit Division	3	112.2	3	11.3	1,325	441.1	69	176.3	125	32.8
Warren Division	2	64.2	11	18.8	405	306.5	24	70.4	152	17.3
Durham–Chapel Hill, NC	0	0.0	8	56.8	469	667.0	48	215.5	46	31.3
El Paso, TX	0	0.0	1	22.3	27	324.4	235	80.0	15	40.0
Fayetteville–Springdale–Rogers, AR–MO	1	32.1	0	0.0	16	329.9	18	56.3	73	42.4
Fresno, CA	3	115.3	14	32.8	83	456.4	151	76.4	58	44.8
Grand Rapids–Wyoming, MI	1	64.2	9	67.1	144	529.7	30	82.3	67	18.4
Greensboro–High Point, NC	6	400.7	8	62.3	630	660.9	34	150.9	110	53.8
Greenville–Anderson–Mauldin, SC	0	0.0	1	12.6	329	499.9	35	157.9	133	45.4
Harrisburg–Carlisle, PA	0	0.0	0	0.0	97	410.6	41	296.4	73	37.1
Hartford–West Hartford–East Hartford, CT	1	125.6	10	37.7	402	705.9	511	694.3	237	64.1
Honolulu (Urban), HI	1	142.6	42	20.8	15	196.1	15	45.2	51	76.7
Houston–The Woodlands–Sugar Land, TX	3	43.9	63	25.8	4,996	958.8	1,565	159.2	685	63.7
Indianapolis–Carmel–Anderson, IN	0	0.0	49	171.9	703	521.2	93	194.4	287	44.6
Jackson, MS	0	0.0	2	63.0	901	720.2	14	315.7	79	66.5
Jacksonville, FL	1	47.3	14	48.8	1,803	1,273.1	108	195.4	385	90.7
Kansas City, MO–KS	0	0.0	10	36.3	494	437.8	77	109.5	195	28.9
Knoxville, TN	1	91.5	1	16.0	90	416.5	13	110.0	114	33.3
Lakeland–Winter Haven, FL	1	116.0	2	31.2	448	1,028.1	160	248.1	182	97.0
Lancaster, PA	0	0.0	2	35.1	59	799.3	78	353.6	46	23.6
Las Vegas–Henderson–Paradise, NV	10	218.6	50	45.3	689	632.6	237	88.3	363	88.8
Lexington–Fayette, KY	1	228.4	1	15.1	103	425.1	23	224.1	58	32.5
Little Rock–North Little Rock–Conway, AR	1	73.5	2	33.0	316	406.9	22	169.7	94	43.0
Los Angeles–Long Beach–Anaheim, CA	7	61.0	229	22.4	1,879	478.2	3,016	124.8	983	56.0
Anaheim Division	0	0.0	57	18.5	108	503.2	407	95.0	223	38.7
Los Angeles Division	7	81.0	172	24.0	1,771	476.8	2,609	131.2	760	64.4
Louisville/Jefferson County, KY–IN	1	95.6	6	49.6	409	500.5	38	170.6	258	59.2
Madison, WI	0	0.0	3	19.9	50	455.9	11	82.1	31	13.0
McAllen–Edinburg–Mission, TX	0	0.0	0	0.0	3	323.8	256	81.7	8	34.9
Memphis, TN–MS–AR	1	82.7	4	30.8	1,891	669.9	47	197.7	139	53.5
Miami–Fort Lauderdale–West Palm Beach, FL	7	187.0	26	35.3	10,796	1,970.2	2,477	198.0	1,040	123.8
Fort Lauderdale Division	5	299.4	13	38.5	4,009	1,654.2	517	202.4	406	131.3
Miami Division	2	192.4	7	34.6	4,611	2,465.5	1,663	193.8	302	203.7
West Palm Beach Division	0	0.0	6	30.5	2,176	1,835.1	297	216.3	332	86.8
Milwaukee–Waukesha–West Allis, WI	2	63.8	9	34.8	285	258.3	73	117.3	68	14.5
Minneapolis–St. Paul–Bloomington, MN–WI	38	418.8	33	32.3	1,205	1,031.0	111	145.4	328	27.5
Modesto, CA	0	0.0	7	52.7	33	570.6	56	58.2	54	53.2
Nashville–Davidson–Murfreesboro–Franklin, TN	1	43.6	12	49.3	674	519.7	65	135.8	273	44.6

Table 5b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2018—United States (*cont*)

[illegible]

Table 5b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by race/ethnicity and metropolitan statistical area of residence, year-end 2018—United States (cont)

MSA of residence	American Indian/ Alaska Native		Asian ^a		Black/African American		Hispanic/Latino ^b		White	
	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c	No.	Rate ^c
Scranton–Wilkes-Barre–Hazleton, PA	0	0.0	1	21.5	44	715.8	41	197.4	62	29.5
Seattle–Tacoma–Bellevue, WA	24	171.2	59	22.5	711	789.1	155	108.6	391	36.4
Seattle Division	19	199.8	48	20.7	590	883.0	117	108.0	294	35.9
Tacoma Division	5	110.9	11	37.3	121	519.5	38	110.5	97	37.8
Spokane–Spokane Valley, WA	5	119.4	4	65.2	22	696.7	1	8.3	62	29.4
Springfield, MA	0	0.0	8	77.1	137	773.0	458	848.0	113	56.5
Stockton–Lodi, CA	1	70.0	16	31.4	112	506.3	57	48.8	69	66.2
Syracuse, NY	1	51.3	6	71.3	162	732.8	59	551.0	102	42.8
Tampa–St. Petersburg–Clearwater, FL	1	28.7	15	28.5	1,693	1,054.0	536	208.4	712	78.8
Toledo, OH	0	0.0	1	22.5	144	384.8	20	126.5	91	45.8
Tucson, AZ	10	94.3	5	32.2	93	722.5	95	59.9	138	56.1
Tulsa, OK	23	68.5	18	170.7	115	334.3	35	101.9	136	47.8
Virginia Beach–Norfolk–Newport News, VA–NC	2	78.3	8	23.9	1,281	550.2	101	228.2	222	54.1
Washington–Arlington–Alexandria, DC–VA–MD–WV	7	119.4	83	27.3	7,620	1,078.0	604	162.8	532	43.1
Silver Spring Division	2	190.6	20	24.9	1,160	1,203.5	127	143.6	149	51.5
Washington Division	5	103.9	63	28.2	6,460	1,058.2	477	168.9	383	40.6
Wichita, KS	0	0.0	3	27.6	72	389.1	26	87.1	60	30.1
Winston-Salem, NC	1	103.3	1	17.0	443	809.9	36	149.8	109	52.4
Worcester, MA–CT	1	129.6	8	40.3	295	1,849.8	265	606.5	180	55.1
Youngstown–Warren–Boardman, OH–PA	0	0.0	0	0.0	79	326.4	25	365.4	56	27.8
Subtotal for MSAs (population of ≥500,000)	403	101.9	2,194	29.0	114,329	833.4	38,013	205.2	26,046	48.5
Metropolitan areas (population of 50,000–499,999)	153	72.8	264	35.9	14,542	570.4	3,143	103.9	7,015	38.9
Nonmetropolitan areas	215	53.0	62	27.6	6,988	463.8	1,259	90.0	4,486	28.6
Total^f	799	79.0	2,621	30.8	141,754	797.5	43,787	190.8	39,862	45.6

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States. Data are based on address of residence at the end of the specified year (i.e., most recent known address). Data exclude 207 persons whose race/ethnicity is unknown. Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

Data for Native Hawaiians/other Pacific Islanders are not presented due to small population denominators (i.e., less than 100).

^a Includes Asian/Pacific Islander legacy cases.

^b Hispanics/Latinos can be of any race.

^c Rates are per 100,000 population.

^d Counts of persons living with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^e Data are not presented for San Juan–Carolina–Caguas, PR. The 2018 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

^f Includes persons whose county of residence is unknown.

Table 6a. Diagnoses of HIV infection among adult and adolescent males, by transmission category and metropolitan statistical area of residence, 2018—United States and Puerto Rico

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Akron, OH	45	1	0	2	0
Albany–Schenectady–Troy, NY	27	5	0	3	0
Albuquerque, NM	39	4	5	0	0
Allentown–Bethlehem–Easton, PA–NJ	29	2	1	5	0
Atlanta–Sandy Springs–Roswell, GA	1,189	24	19	117	0
Augusta–Richmond County, GA–SC	97	4	1	15	0
Austin–Round Rock, TX	195	10	12	13	0
Bakersfield, CA	116	9	9	3	0
Baltimore–Columbia–Towson, MD	262	23	5	54	0
Baton Rouge, LA	97	4	4	50	1
Birmingham–Hoover, AL	117	4	1	12	0
Boise City, ID	10	1	3	1	0
Boston–Cambridge–Newton, MA–NH ^c	233	53	14	35	0
Boston Division	124	23	10	24	0
Cambridge Division	105	28	4	11	0
Bridgeport–Stamford–Norwalk, CT	32	1	1	8	0
Buffalo–Cheektowaga–Niagara Falls, NY	34	2	1	5	0
Cape Coral–Fort Myers, FL	37	1	3	15	0
Charleston–North Charleston, SC	92	2	3	10	0
Charlotte–Concord–Gastonia, NC–SC	270	9	9	21	0
Chattanooga, TN–GA	34	4	3	5	0
Chicago–Naperville–Elgin, IL–IN–WI	861	34	28	77	7
Chicago Division	763	31	25	59	6
Elgin Division	27	2	0	2	0
Gary Division	38	1	0	12	0
Lake County Division	32	1	3	5	0
Cincinnati, OH–KY–IN	137	62	13	9	0
Cleveland–Elyria, OH	133	4	4	11	0
Colorado Springs, CO	38	1	3	1	0
Columbia, SC	90	6	2	12	0
Columbus, OH	145	15	10	12	0
Dallas–Fort Worth–Arlington, TX	958	22	47	64	1
Dallas Division	755	19	37	43	0
Fort Worth Division	204	3	9	21	0
Dayton, OH	64	1	4	4	0
Deltona–Daytona Beach–Ormond Beach, FL	52	6	11	2	0
Denver–Aurora–Lakewood, CO	201	8	26	6	0
Des Moines–West Des Moines, IA	17	0	5	5	0
Detroit–Warren–Dearborn, MI	339	21	12	14	1
Detroit Division	212	12	8	10	0
Warren Division	127	9	5	4	0
Durham–Chapel Hill, NC	50	1	3	7	0
El Paso, TX	105	4	9	4	0
Fayetteville–Springdale–Rogers, AR–MO	19	0	1	1	0
Fresno, CA	91	2	4	3	0
Grand Rapids–Wyoming, MI	36	2	2	1	0
Greensboro–High Point, NC	83	4	2	8	0
Greenville–Anderson–Mauldin, SC	71	1	0	6	0
Harrisburg–Carlisle, PA	31	1	1	2	0
Hartford–West Hartford–East Hartford, CT	56	7	2	11	0
Honolulu (Urban), HI	46	4	3	1	0

Table 6a. Diagnoses of HIV infection among adult and adolescent males, by transmission category and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Houston—The Woodlands—Sugar Land, TX	975	30	36	80	1
Indianapolis—Carmel—Anderson, IN	133	11	10	40	0
Jackson, MS	96	3	1	12	0
Jacksonville, FL	170	6	4	60	0
Kansas City, MO—KS	122	10	20	9	0
Knoxville, TN	42	3	2	3	0
Lakeland—Winter Haven, FL	52	3	4	20	0
Lancaster, PA	8	2	0	3	0
Las Vegas—Henderson—Paradise, NV	338	11	22	19	2
Lexington—Fayette, KY	44	3	2	2	0
Little Rock—North Little Rock—Conway, AR	103	5	1	5	0
Los Angeles—Long Beach—Anaheim, CA	1,586	59	67	49	0
Anaheim Division	210	13	11	25	0
Los Angeles Division	1,376	45	56	24	0
Louisville/Jefferson County, KY—IN	133	12	15	3	0
Madison, WI	24	1	1	1	0
McAllen—Edinburg—Mission, TX	70	0	2	5	0
Memphis, TN—MS—AR	246	5	10	35	0
Miami—Fort Lauderdale—West Palm Beach, FL	1,287	29	27	321	0
Fort Lauderdale Division	350	10	14	120	0
Miami Division	801	13	9	154	0
West Palm Beach Division	136	6	4	47	0
Milwaukee—Waukesha—West Allis, WI	88	2	5	7	0
Minneapolis—St. Paul—Bloomington, MN—WI	136	5	19	16	0
Modesto, CA	36	1	7	6	0
Nashville—Davidson—Murfreesboro—Franklin, TN	163	3	7	5	0
New Haven—Milford, CT	45	4	2	9	0
New Orleans—Metairie, LA	185	14	7	33	0
New York—Newark—Jersey City, NY—NJ—PA ^c	1,880	127	82	255	5
Nassau County Division	112	7	8	20	0
New York Division	1,542	96	66	185	1
Newark Division	218	23	6	47	3
North Port—Sarasota—Bradenton, FL	36	2	3	9	0
Ogden—Clearfield, UT	11	1	0	0	0
Oklahoma City, OK	102	9	7	6	0
Omaha—Council Bluffs, NE—IA	36	2	2	3	0
Orlando—Kissimmee—Sanford, FL	413	16	11	107	0
Oxnard—Thousand Oaks—Ventura, CA	45	1	0	1	0
Palm Bay—Melbourne—Titusville, FL	36	1	2	8	0
Philadelphia—Camden—Wilmington, PA—NJ—DE—MD	413	71	25	88	0
Camden Division	53	11	2	18	0
Montgomery Division	52	5	5	20	0
Philadelphia Division	270	55	15	40	0
Wilmington Division	38	0	2	10	0
Phoenix—Mesa—Scottsdale, AZ	421	25	30	19	2
Pittsburgh, PA	84	7	5	5	0
Portland—South Portland, ME	5	2	0	0	0
Portland—Vancouver—Hillsboro, OR—WA	124	9	22	5	0
Providence—Warwick, RI—MA	78	6	7	4	0
Provo—Orem, UT	10	0	2	0	0
Raleigh, NC	92	2	5	9	0

Table 6a. Diagnoses of HIV infection among adult and adolescent males, by transmission category and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Richmond, VA	163	2	5	10	0
Riverside–San Bernardino–Ontario, CA	416	20	21	12	0
Rochester, NY	42	1	3	6	0
Sacramento–Roseville–Arden–Arcade, CA	131	10	13	8	0
St. Louis, MO–IL	187	1	6	16	0
Salt Lake City, UT	57	0	12	1	0
San Antonio–New Braunfels, TX	262	13	18	16	0
San Diego–Carlsbad, CA	281	18	16	15	0
San Francisco–Oakland–Hayward, CA ^c	458	33	47	16	1
Oakland Division	228	9	18	10	1
San Francisco Division	217	20	29	6	0
San Jose–Sunnyvale–Santa Clara, CA	128	3	11	9	0
San Juan–Carolina–Caguas, PR	190	19	9	54	0
Scranton–Wilkes-Barre–Hazleton, PA	14	2	4	6	0
Seattle–Tacoma–Bellevue, WA	207	23	25	17	2
Seattle Division	172	19	25	16	2
Tacoma Division	35	4	0	1	0
Spokane–Spokane Valley, WA	12	2	6	1	0
Springfield, MA	34	10	4	2	0
Stockton–Lodi, CA	39	4	1	5	0
Syracuse, NY	21	4	2	2	0
Tampa–St. Petersburg–Clearwater, FL	347	30	22	57	0
Toledo, OH	40	0	5	2	0
Tucson, AZ	90	5	5	2	0
Tulsa, OK	39	4	4	3	0
Virginia Beach–Norfolk–Newport News, VA–NC	160	6	7	17	0
Washington–Arlington–Alexandria, DC–VA–MD–WV	578	18	19	111	2
Silver Spring Division	73	2	3	19	0
Washington Division	505	17	16	92	2
Wichita, KS	32	1	4	4	0
Winston-Salem, NC	55	3	5	5	0
Worcester, MA–CT	23	8	2	3	0
Youngstown–Warren–Boardman, OH–PA	24	1	3	2	0
Subtotal for MSAs (population of ≥500,000)	20,469	1,113	1,037	2,295	27
Metropolitan areas (population of 50,000–499,999)	2,979	204	205	411	5
Nonmetropolitan areas	1,404	106	123	198	3
Total^d	24,923	1,433	1,372	2,912	35

Abbreviation: MSA, metropolitan statistical area.

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico. Data are based on residence at time of diagnosis of HIV infection.

Data have been statistically adjusted to account for missing transmission category.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^c Counts of diagnoses of HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Includes persons whose county of residence is unknown.

Table 6b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Akron, OH	678	37	51	55	9
Albany–Schenectady–Troy, NY	857	220	171	170	30
Albuquerque, NM	1,258	95	180	70	11
Allentown–Bethlehem–Easton, PA–NJ	382	165	45	145	18
Atlanta–Sandy Springs–Roswell, GA	23,983	1,319	1,483	2,018	164
Augusta–Richmond County, GA–SC	1,042	165	104	245	45
Austin–Round Rock, TX	4,267	278	513	286	26
Bakersfield, CA	924	206	186	107	6
Baltimore–Columbia–Towson, MD	5,136	2,330	701	1,566	129
Baton Rouge, LA	1,832	376	217	845	35
Birmingham–Hoover, AL	2,576	159	185	280	20
Boise City, ID	133	15	29	8	2
Boston–Cambridge–Newton, MA–NH ^c	6,723	1,666	627	1,084	131
Boston Division	4,015	939	369	611	61
Cambridge Division	2,522	707	240	450	70
Bridgeport–Stamford–Norwalk, CT	935	411	63	305	29
Buffalo–Cheektowaga–Niagara Falls, NY	1,206	205	206	138	29
Cape Coral–Fort Myers, FL	967	76	97	360	14
Charleston–North Charleston, SC	1,424	119	120	256	14
Charlotte–Concord–Gastonia, NC–SC	4,842	405	293	675	44
Chattanooga, TN–GA	698	65	46	71	10
Chicago–Naperville–Elgin, IL–IN–WI	18,399	1,688	1,647	1,553	222
Chicago Division	16,960	1,523	1,510	1,338	200
Elgin Division	255	27	27	29	5
Gary Division	655	85	54	116	11
Lake County Division	529	54	57	70	7
Cincinnati, OH–KY–IN	2,739	219	213	239	25
Cleveland–Elyria, OH	3,416	252	260	361	32
Colorado Springs, CO	585	42	104	25	5
Columbia, SC	2,216	247	161	417	30
Columbus, OH	3,738	178	250	352	36
Dallas–Fort Worth–Arlington, TX	18,752	969	1,476	1,332	139
Dallas Division	15,198	629	1,080	906	89
Fort Worth Division	3,554	340	395	426	50
Dayton, OH	1,095	37	71	89	13
Deltona–Daytona Beach–Ormond Beach, FL	969	151	138	112	19
Denver–Aurora–Lakewood, CO	6,638	325	1,006	325	39
Des Moines–West Des Moines, IA	507	43	70	69	8
Detroit–Warren–Dearborn, MI	6,440	462	423	541	76
Detroit Division	4,105	353	279	380	53
Warren Division	2,335	110	144	161	24
Durham–Chapel Hill, NC	1,154	137	88	205	13
El Paso, TX	1,552	99	138	145	16
Fayetteville–Springdale–Rogers, AR–MO	418	33	47	26	4
Fresno, CA	1,339	120	152	42	12
Grand Rapids–Wyoming, MI	730	41	62	72	16
Greensboro–High Point, NC	1,501	143	89	224	20
Greenville–Anderson–Mauldin, SC	1,224	99	103	163	11
Harrisburg–Carlisle, PA	358	97	34	81	9
Hartford–West Hartford–East Hartford, CT	1,179	764	136	322	28
Honolulu (Urban), HI	1,110	61	109	65	9

Table 6b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	17,422	1,394	1,432	2,526	163
Indianapolis–Carmel–Anderson, IN	3,457	190	317	520	35
Jackson, MS	1,606	129	112	333	27
Jacksonville, FL	3,033	298	270	1,029	47
Kansas City, MO–KS	3,322	180	331	149	30
Knoxville, TN	689	52	61	59	6
Lakeland–Winter Haven, FL	973	125	96	410	21
Lancaster, PA	227	61	20	54	8
Las Vegas–Henderson–Paradise, NV	6,002	338	538	288	38
Lexington–Fayette, KY	738	50	63	58	9
Little Rock–North Little Rock–Conway, AR	1,538	106	98	94	12
Los Angeles–Long Beach–Anaheim, CA	43,567	1,721	3,255	1,170	223
Anaheim Division	5,170	313	365	178	38
Los Angeles Division	38,397	1,407	2,890	992	185
Louisville/Jefferson County, KY–IN	2,288	245	202	195	25
Madison, WI	397	22	43	24	7
McAllen–Edinburg–Mission, TX	925	75	55	138	2
Memphis, TN–MS–AR	3,765	149	170	843	42
Miami–Fort Lauderdale–West Palm Beach, FL	27,453	1,684	1,573	8,099	321
Fort Lauderdale Division	10,240	593	634	2,851	104
Miami Division	14,370	847	734	3,543	156
West Palm Beach Division	2,844	244	206	1,706	62
Milwaukee–Waukesha–West Allis, WI	1,490	121	117	137	13
Minneapolis–St. Paul–Bloomington, MN–WI	4,313	236	453	386	52
Modesto, CA	494	43	54	40	7
Nashville–Davidson–Murfreesboro–Franklin, TN	3,242	244	221	301	34
New Haven–Milford, CT	1,034	591	107	325	40
New Orleans–Metairie, LA	4,136	372	382	1,002	43
New York–Newark–Jersey City, NY–NJ–PA ^c	62,334	16,818	5,975	11,096	1,586
Nassau County Division	2,842	545	283	473	105
New York Division	54,541	14,058	5,228	9,076	1,321
Newark Division	4,578	1,992	394	1,458	142
North Port–Sarasota–Bradenton, FL	1,025	103	104	208	7
Ogden–Clearfield, UT	258	10	67	11	2
Oklahoma City, OK	1,805	137	230	131	19
Omaha–Council Bluffs, NE–IA	232	15	33	25	3
Orlando–Kissimmee–Sanford, FL	6,784	659	445	1,129	78
Oxnard–Thousand Oaks–Ventura, CA	764	44	47	46	16
Palm Bay–Melbourne–Titusville, FL	727	91	82	156	16
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	9,355	3,054	1,121	3,586	191
Camden Division	1,189	337	134	377	25
Montgomery Division	643	137	79	225	13
Philadelphia Division	6,694	2,298	803	2,674	136
Wilmington Division	830	282	104	309	16
Phoenix–Mesa–Scottsdale, AZ	8,356	678	985	434	96
Pittsburgh, PA	1,832	157	128	218	31
Portland–South Portland, ME	508	55	30	53	10
Portland–Vancouver–Hillsboro, OR–WA	3,940	227	546	142	44
Providence–Warwick, RI–MA	1,113	349	136	235	35
Provo–Orem, UT	139	12	27	8	5
Raleigh, NC	2,167	164	143	334	26

Table 6b. Adult and adolescent males living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Richmond, VA	1,811	210	118	307	26
Riverside–San Bernardino–Ontario, CA	10,079	520	894	454	52
Rochester, NY	1,255	329	168	225	25
Sacramento–Roseville–Arden–Arcade, CA	3,207	268	430	357	34
St. Louis, MO–IL	4,787	210	301	385	55
Salt Lake City, UT	1,224	96	263	62	23
San Antonio–New Braunfels, TX	4,822	332	412	292	34
San Diego–Carlsbad, CA	9,672	518	1,018	517	64
San Francisco–Oakland–Hayward, CA ^c	16,645	938	2,510	700	79
Oakland Division	5,862	364	576	419	49
San Francisco Division	10,284	484	1,864	236	28
San Jose–Sunnyvale–Santa Clara, CA	2,360	123	227	161	14
San Juan–Carolina–Caguas, PR	2,548	2,049	352	1,310	79
Scranton–Wilkes-Barre–Hazleton, PA	187	54	25	81	4
Seattle–Tacoma–Bellevue, WA	6,409	316	894	401	67
Seattle Division	5,512	241	767	321	59
Tacoma Division	898	75	127	80	9
Spokane–Spokane Valley, WA	380	47	112	28	10
Springfield, MA	742	446	109	109	28
Stockton–Lodi, CA	687	145	95	109	12
Syracuse, NY	644	112	91	70	17
Tampa–St. Petersburg–Clearwater, FL	7,321	581	682	1,101	87
Toledo, OH	604	30	59	73	9
Tucson, AZ	1,683	152	252	119	22
Tulsa, OK	1,189	72	192	97	13
Virginia Beach–Norfolk–Newport News, VA–NC	3,346	287	239	456	37
Washington–Arlington–Alexandria, DC–VA–MD–WV	15,520	1,680	1,124	3,337	197
Silver Spring Division	1,587	127	97	648	39
Washington Division	13,933	1,553	1,027	2,689	158
Wichita, KS	571	40	104	44	7
Winston-Salem, NC	994	109	74	180	20
Worcester, MA–CT	717	367	97	153	33
Youngstown–Warren–Boardman, OH–PA	427	62	42	56	8
Subtotal for MSAs (population of ≥500,000)	469,199	55,602	43,041	62,616	5,970
Metropolitan areas (population of 50,000–499,999)	55,243	7,762	6,656	9,370	837
Nonmetropolitan areas	28,471	4,806	4,164	5,476	521
Total^d	576,569	72,155	56,502	81,699	7,860

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

Data are based on address of residence at the end of the specified year (i.e., most recent known address).

Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019.

Data have been statistically adjusted to account for missing transmission category.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^c Counts of persons living with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Includes persons whose county of residence is unknown.

Table 7a. Diagnoses of HIV infection among adult and adolescent females, by transmission category and metropolitan statistical area of residence, 2018—United States and Puerto Rico

MSA of residence	Injection drug use (IDU)	Heterosexual contact ^a	Other ^b
	No.	No.	No.
Akron, OH	2	3	0
Albany–Schenectady–Troy, NY	3	12	0
Albuquerque, NM	2	6	0
Allentown–Bethlehem–Easton, PA–NJ	1	13	0
Atlanta–Sandy Springs–Roswell, GA	25	276	0
Augusta–Richmond County, GA–SC	0	29	0
Austin–Round Rock, TX	5	32	0
Bakersfield, CA	4	12	0
Baltimore–Columbia–Towson, MD	15	95	0
Baton Rouge, LA	8	64	0
Birmingham–Hoover, AL	1	25	0
Boise City, ID	1	2	0
Boston–Cambridge–Newton, MA–NH ^c	41	101	1
Boston Division	17	54	0
Cambridge Division	24	46	0
Bridgeport–Stamford–Norwalk, CT	1	12	0
Buffalo–Cheektowaga–Niagara Falls, NY	5	8	0
Cape Coral–Fort Myers, FL	1	18	0
Charleston–North Charleston, SC	2	25	0
Charlotte–Concord–Gastonia, NC–SC	5	47	0
Chattanooga, TN–GA	2	6	0
Chicago–Naperville–Elgin, IL–IN–WI	23	176	1
Chicago Division	20	157	1
Elgin Division	1	3	0
Gary Division	1	9	0
Lake County Division	1	7	0
Cincinnati, OH–KY–IN	34	30	0
Cleveland–Elyria, OH	3	19	0
Colorado Springs, CO	0	4	0
Columbia, SC	2	33	0
Columbus, OH	16	36	0
Dallas–Fort Worth–Arlington, TX	33	184	0
Dallas Division	24	135	0
Fort Worth Division	10	48	0
Dayton, OH	1	5	0
Deltona–Daytona Beach–Ormond Beach, FL	5	13	0
Denver–Aurora–Lakewood, CO	5	18	0
Des Moines–West Des Moines, IA	2	9	0
Detroit–Warren–Dearborn, MI	16	70	1
Detroit Division	10	47	0
Warren Division	6	22	0
Durham–Chapel Hill, NC	3	15	1
El Paso, TX	0	8	0
Fayetteville–Springdale–Rogers, AR–MO	1	4	0
Fresno, CA	2	8	0
Grand Rapids–Wyoming, MI	3	5	1
Greensboro–High Point, NC	3	20	0
Greenville–Anderson–Mauldin, SC	1	15	0
Harrisburg–Carlisle, PA	2	5	0
Hartford–West Hartford–East Hartford, CT	5	17	1
Honolulu (Urban), HI	0	3	0

Table 7a. Diagnoses of HIV infection among adult and adolescent females, by transmission category and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	Injection drug use (IDU)	Heterosexual contact ^a	Other ^b
	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	33	270	2
Indianapolis–Carmel–Anderson, IN	6	50	0
Jackson, MS	2	22	1
Jacksonville, FL	8	69	0
Kansas City, MO–KS	4	40	1
Knoxville, TN	3	13	0
Lakeland–Winter Haven, FL	2	24	0
Lancaster, PA	0	3	0
Las Vegas–Henderson–Paradise, NV	8	49	1
Lexington–Fayette, KY	2	10	0
Little Rock–North Little Rock–Conway, AR	2	17	0
Los Angeles–Long Beach–Anaheim, CA	45	170	1
Anaheim Division	6	21	0
Los Angeles Division	39	149	1
Louisville/Jefferson County, KY–IN	7	22	0
Madison, WI	0	1	0
McAllen–Edinburg–Mission, TX	2	13	0
Memphis, TN–MS–AR	4	65	0
Miami–Fort Lauderdale–West Palm Beach, FL	20	401	3
Fort Lauderdale Division	6	124	2
Miami Division	6	194	0
West Palm Beach Division	8	82	0
Milwaukee–Waukesha–West Allis, WI	2	15	0
Minneapolis–St. Paul–Bloomington, MN–WI	7	46	2
Modesto, CA	3	8	0
Nashville–Davidson–Murfreesboro–Franklin, TN	3	33	0
New Haven–Milford, CT	3	20	0
New Orleans–Metairie, LA	8	61	0
New York–Newark–Jersey City, NY–NJ–PA ^c	91	536	2
Nassau County Division	7	38	0
New York Division	67	400	1
Newark Division	17	93	0
North Port–Sarasota–Bradenton, FL	5	13	0
Ogden–Clearfield, UT	0	2	0
Oklahoma City, OK	1	12	0
Omaha–Council Bluffs, NE–IA	1	6	0
Orlando–Kissimmee–Sanford, FL	7	120	0
Oxnard–Thousand Oaks–Ventura, CA	1	4	0
Palm Bay–Melbourne–Titusville, FL	5	10	0
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	52	127	2
Camden Division	4	11	0
Montgomery Division	6	15	0
Philadelphia Division	39	85	2
Wilmington Division	3	16	0
Phoenix–Mesa–Scottsdale, AZ	17	60	1
Pittsburgh, PA	4	11	0
Portland–South Portland, ME	0	3	1
Portland–Vancouver–Hillsboro, OR–WA	8	11	0
Providence–Warwick, RI–MA	3	17	0
Provo–Orem, UT	1	0	0
Raleigh, NC	3	20	0

Table 7a. Diagnoses of HIV infection among adult and adolescent females, by transmission category and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	Injection drug use (IDU)	Heterosexual contact ^a	Other ^b
	No.	No.	No.
Richmond, VA	2	26	0
Riverside–San Bernardino–Ontario, CA	10	52	0
Rochester, NY	1	7	0
Sacramento–Roseville–Arden–Arcade, CA	7	23	0
St. Louis, MO–IL	4	41	0
Salt Lake City, UT	2	4	0
San Antonio–New Braunfels, TX	7	35	0
San Diego–Carlsbad, CA	9	39	0
San Francisco–Oakland–Hayward, CA ^c	15	57	0
Oakland Division	7	35	0
San Francisco Division	7	18	0
San Jose–Sunnyvale–Santa Clara, CA	2	16	0
San Juan–Carolina–Caguas, PR	0	58	0
Scranton–Wilkes-Barre–Hazleton, PA	0	11	0
Seattle–Tacoma–Bellevue, WA	25	88	1
Seattle Division	22	71	1
Tacoma Division	3	18	0
Spokane–Spokane Valley, WA	0	1	0
Springfield, MA	4	12	0
Stockton–Lodi, CA	2	15	0
Syracuse, NY	1	5	0
Tampa–St. Petersburg–Clearwater, FL	16	73	0
Toledo, OH	0	6	0
Tucson, AZ	2	9	0
Tulsa, OK	4	11	0
Virginia Beach–Norfolk–Newport News, VA–NC	5	45	0
Washington–Arlington–Alexandria, DC–VA–MD–WV	15	266	3
Silver Spring Division	1	53	0
Washington Division	14	213	3
Wichita, KS	0	3	0
Winston-Salem, NC	3	16	0
Worcester, MA–CT	4	12	0
Youngstown–Warren–Boardman, OH–PA	1	2	0
Subtotal for MSAs (population of ≥500,000)	795	4,778	31
Metropolitan areas (population of 50,000–499,999)	166	848	5
Nonmetropolitan areas	92	441	4
Total^d	1,058	6,091	40

Abbreviation: MSA, metropolitan statistical area.

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States.

Data are based on residence at time of diagnosis of HIV infection.

Data have been statistically adjusted to account for missing transmission category.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^c Counts of persons living with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Includes persons whose county of residence is unknown.

Table 7b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico

MSA of residence	Injection drug use (IDU)	Heterosexual contact ^a	Other ^b
	No.	No.	No.
Akron, OH	24	174	3
Albany–Schenectady–Troy, NY	210	482	29
Albuquerque, NM	55	129	9
Allentown–Bethlehem–Easton, PA–NJ	119	284	7
Atlanta–Sandy Springs–Roswell, GA	997	6,340	190
Augusta–Richmond County, GA–SC	112	598	38
Austin–Round Rock, TX	199	687	25
Bakersfield, CA	79	179	11
Baltimore–Columbia–Towson, MD	1,607	3,385	156
Baton Rouge, LA	242	1,602	27
Birmingham–Hoover, AL	153	910	20
Boise City, ID	14	25	6
Boston–Cambridge–Newton, MA–NH ^c	1,109	2,805	132
Boston Division	593	1,482	67
Cambridge Division	501	1,290	64
Bridgeport–Stamford–Norwalk, CT	252	636	28
Buffalo–Cheektowaga–Niagara Falls, NY	177	571	10
Cape Coral–Fort Myers, FL	76	548	14
Charleston–North Charleston, SC	103	577	25
Charlotte–Concord–Gastonia, NC–SC	419	1,889	54
Chattanooga, TN–GA	43	234	6
Chicago–Naperville–Elgin, IL–IN–WI	1,266	4,272	202
Chicago Division	1,154	3,783	177
Elgin Division	19	75	3
Gary Division	52	223	14
Lake County Division	40	192	8
Cincinnati, OH–KY–IN	207	735	23
Cleveland–Elyria, OH	198	897	38
Colorado Springs, CO	47	114	10
Columbia, SC	183	977	19
Columbus, OH	196	947	29
Dallas–Fort Worth–Arlington, TX	998	4,671	124
Dallas Division	672	3,559	79
Fort Worth Division	326	1,112	44
Dayton, OH	54	281	12
Deltona–Daytona Beach–Ormond Beach, FL	137	413	19
Denver–Aurora–Lakewood, CO	251	812	42
Des Moines–West Des Moines, IA	26	156	4
Detroit–Warren–Dearborn, MI	478	1,652	51
Detroit Division	358	1,181	29
Warren Division	121	471	22
Durham–Chapel Hill, NC	117	459	10
El Paso, TX	47	229	8
Fayetteville–Springdale–Rogers, AR–MO	23	83	6
Fresno, CA	96	215	6
Grand Rapids–Wyoming, MI	32	211	17
Greensboro–High Point, NC	121	678	19
Greenville–Anderson–Mauldin, SC	88	412	9
Harrisburg–Carlisle, PA	57	165	8
Hartford–West Hartford–East Hartford, CT	408	726	40
Honolulu (Urban), HI	45	125	6

Table 7b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico (cont)

MSA of residence	Injection drug use (IDU)	Heterosexual contact ^a	Other ^b
	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	1,177	6,266	171
Indianapolis–Carmel–Anderson, IN	159	994	37
Jackson, MS	150	860	22
Jacksonville, FL	295	2,023	51
Kansas City, MO–KS	130	672	16
Knoxville, TN	51	172	8
Lakeland–Winter Haven, FL	103	690	25
Lancaster, PA	46	138	9
Las Vegas–Henderson–Paradise, NV	258	1,100	39
Lexington–Fayette, KY	34	151	6
Little Rock–North Little Rock–Conway, AR	62	385	12
Los Angeles–Long Beach–Anaheim, CA	1,258	4,901	235
Anaheim Division	150	640	26
Los Angeles Division	1,108	4,261	209
Louisville/Jefferson County, KY–IN	195	539	14
Madison, WI	18	73	8
McAllen–Edinburg–Mission, TX	25	236	8
Memphis, TN–MS–AR	159	1,965	46
Miami–Fort Lauderdale–West Palm Beach, FL	1,345	12,817	424
Fort Lauderdale Division	453	4,458	152
Miami Division	643	5,835	189
West Palm Beach Division	250	2,524	84
Milwaukee–Waukesha–West Allis, WI	91	347	12
Minneapolis–St. Paul–Bloomington, MN–WI	236	1,485	82
Modesto, CA	41	103	13
Nashville–Davidson–Murfreesboro–Franklin, TN	177	865	24
New Haven–Milford, CT	401	707	27
New Orleans–Metairie, LA	272	1,722	52
New York–Newark–Jersey City, NY–NJ–PA ^c	11,328	27,934	1,602
Nassau County Division	402	1,403	90
New York Division	9,381	23,115	1,349
Newark Division	1,470	3,248	153
North Port–Sarasota–Bradenton, FL	102	428	15
Ogden–Clearfield, UT	10	42	3
Oklahoma City, OK	123	357	15
Omaha–Council Bluffs, NE–IA	13	61	3
Orlando–Kissimmee–Sanford, FL	434	2,551	103
Oxnard–Thousand Oaks–Ventura, CA	33	115	5
Palm Bay–Melbourne–Titusville, FL	84	397	24
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	1,835	5,185	189
Camden Division	226	609	29
Montgomery Division	79	243	12
Philadelphia Division	1,325	3,761	124
Wilmington Division	205	571	24
Phoenix–Mesa–Scottsdale, AZ	408	1,273	62
Pittsburgh, PA	104	478	18
Portland–South Portland, ME	47	148	7
Portland–Vancouver–Hillsboro, OR–WA	133	455	16
Providence–Warwick, RI–MA	275	448	19
Provo–Orem, UT	5	20	3
Raleigh, NC	178	775	34

Table 7b. Adult and adolescent females living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States and Puerto Rico (cont)

MSA of residence	Injection drug use (IDU)	Heterosexual contact ^a	Other ^b
	No.	No.	No.
Richmond, VA	138	655	21
Riverside–San Bernardino–Ontario, CA	334	1,100	50
Rochester, NY	280	559	26
Sacramento–Roseville–Arden–Arcade, CA	187	616	26
St. Louis, MO–IL	189	1,182	27
Salt Lake City, UT	76	228	6
San Antonio–New Braunfels, TX	227	752	27
San Diego–Carlsbad, CA	266	1,028	49
San Francisco–Oakland–Hayward, CA ^c	701	1,695	84
Oakland Division	317	1,092	51
San Francisco Division	365	537	29
San Jose–Sunnyvale–Santa Clara, CA	62	358	16
San Juan–Carolina–Caguas, PR	592	2,048	72
Scranton–Wilkes-Barre–Hazleton, PA	36	116	7
Seattle–Tacoma–Bellevue, WA	271	1,091	73
Seattle Division	201	868	61
Tacoma Division	70	223	12
Spokane–Spokane Valley, WA	31	60	7
Springfield, MA	240	465	24
Stockton–Lodi, CA	66	196	6
Syracuse, NY	91	286	8
Tampa–St. Petersburg–Clearwater, FL	483	2,478	85
Toledo, OH	27	224	11
Tucson, AZ	85	246	22
Tulsa, OK	73	261	15
Virginia Beach–Norfolk–Newport News, VA–NC	267	1,359	45
Washington–Arlington–Alexandria, DC–VA–MD–WV	1,483	7,613	212
Silver Spring Division	112	1,397	34
Washington Division	1,371	6,217	178
Wichita, KS	37	127	5
Winston-Salem, NC	119	472	12
Worcester, MA–CT	225	510	27
Youngstown–Warren–Boardman, OH–PA	40	132	11
Subtotal for MSAs (population of ≥500,000)	39,477	147,012	5,919
Metropolitan areas (population of 50,000–499,999)	5,113	21,250	726
Nonmetropolitan areas	2,657	10,715	402
Total^d	49,846	187,581	7,469

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

Data are based on address of residence at the end of the specified year (i.e., most recent known address).

Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019.

Data have been statistically adjusted to account for missing transmission category.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^c Counts of persons living with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Includes persons whose county of residence is unknown.

Table 8a. Diagnoses of HIV infection among black/African American adults and adolescents, by transmission category and metropolitan statistical area of residence, 2018—United States

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Akron, OH	21	0	0	4	0
Albany–Schenectady–Troy, NY	6	3	0	7	0
Albuquerque, NM	4	1	0	1	0
Allentown–Bethlehem–Easton, PA–NJ	4	3	0	13	0
Atlanta–Sandy Springs–Roswell, GA	833	32	8	316	1
Augusta–Richmond County, GA–SC	78	2	1	35	0
Austin–Round Rock, TX	32	1	1	13	0
Bakersfield, CA	19	2	2	5	0
Baltimore–Columbia–Towson, MD	204	21	3	120	0
Baton Rouge, LA	79	6	4	105	1
Birmingham–Hoover, AL	82	3	1	28	0
Boise City, ID	0	0	0	1	0
Boston–Cambridge–Newton, MA–NH ^c	46	16	3	87	0
Boston Division	29	10	2	52	0
Cambridge Division	18	6	1	36	0
Bridgeport–Stamford–Norwalk, CT	13	1	1	12	0
Buffalo–Cheektowaga–Niagara Falls, NY	17	0	1	7	0
Cape Coral–Fort Myers, FL	5	0	1	16	0
Charleston–North Charleston, SC	49	1	0	20	0
Charlotte–Concord–Gastonia, NC–SC	170	8	2	53	0
Chattanooga, TN–GA	12	2	0	9	0
Chicago–Naperville–Elgin, IL–IN–WI	393	31	11	190	6
Chicago Division	359	30	8	174	6
Elgin Division	3	1	0	2	0
Gary Division	22	1	0	11	0
Lake County Division	9	1	2	4	0
Cincinnati, OH–KY–IN	62	9	2	26	0
Cleveland–Elyria, OH	79	2	1	21	0
Colorado Springs, CO	9	0	0	2	0
Columbia, SC	73	4	1	37	0
Columbus, OH	80	6	4	35	0
Dallas–Fort Worth–Arlington, TX	356	26	13	145	1
Dallas Division	270	23	11	112	0
Fort Worth Division	85	3	2	33	0
Dayton, OH	31	1	0	7	0
Deltona–Daytona Beach–Ormond Beach, FL	20	3	6	8	0
Denver–Aurora–Lakewood, CO	26	2	2	12	0
Des Moines–West Des Moines, IA	5	0	1	10	0
Detroit–Warren–Dearborn, MI	235	17	6	67	1
Detroit Division	173	14	4	51	0
Warren Division	62	4	1	16	0
Durham–Chapel Hill, NC	38	2	1	18	1
El Paso, TX	7	0	0	0	0
Fayetteville–Springdale–Rogers, AR–MO	4	0	0	2	0
Fresno, CA	9	0	0	0	0
Grand Rapids–Wyoming, MI	8	1	0	2	0
Greensboro–High Point, NC	55	4	1	22	0
Greenville–Anderson–Mauldin, SC	32	1	0	11	0
Harrisburg–Carlisle, PA	16	1	0	5	0
Hartford–West Hartford–East Hartford, CT	16	1	0	15	1
Honolulu (Urban), HI	4	1	0	0	0

Table 8a. Diagnoses of HIV infection among black/African American adults and adolescents, by transmission category and metropolitan statistical area of residence, 2018—United States (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Houston—The Woodlands—Sugar Land, TX	383	23	9	200	2
Indianapolis—Carmel—Anderson, IN	69	4	1	64	0
Jackson, MS	80	5	1	28	1
Jacksonville, FL	98	1	2	97	0
Kansas City, MO—KS	41	2	8	28	1
Knoxville, TN	10	0	0	9	0
Lakeland—Winter Haven, FL	17	0	0	22	0
Lancaster, PA	0	0	0	4	0
Las Vegas—Henderson—Paradise, NV	94	5	2	43	2
Lexington—Fayette, KY	16	2	0	8	0
Little Rock—North Little Rock—Conway, AR	64	1	0	14	0
Los Angeles—Long Beach—Anaheim, CA	301	20	12	72	0
Anaheim Division	5	0	0	5	0
Los Angeles Division	296	20	12	67	0
Louisville/Jefferson County, KY—IN	48	4	0	14	0
Madison, WI	6	2	0	2	0
McAllen—Edinburg—Mission, TX	0	0	0	0	0
Memphis, TN—MS—AR	206	7	6	88	0
Miami—Fort Lauderdale—West Palm Beach, FL	305	17	3	470	1
Fort Lauderdale Division	112	6	1	174	1
Miami Division	139	7	0	202	0
West Palm Beach Division	55	4	1	95	0
Milwaukee—Waukesha—West Allis, WI	48	3	2	16	0
Minneapolis—St. Paul—Bloomington, MN—WI	48	3	2	43	1
Modesto, CA	3	0	0	1	0
Nashville—Davidson—Murfreesboro—Franklin, TN	70	3	2	23	0
New Haven—Milford, CT	19	3	0	17	0
New Orleans—Metairie, LA	129	10	4	62	0
New York—Newark—Jersey City, NY—NJ—PA ^c	624	110	25	442	2
Nassau County Division	35	3	2	31	0
New York Division	496	81	21	307	1
Newark Division	91	26	1	97	1
North Port—Sarasota—Bradenton, FL	7	0	0	14	0
Ogden—Clearfield, UT	0	0	0	1	0
Oklahoma City, OK	27	2	2	8	0
Omaha—Council Bluffs, NE—IA	13	1	0	5	0
Orlando—Kissimmee—Sanford, FL	114	2	0	118	0
Oxnard—Thousand Oaks—Ventura, CA	3	1	0	0	0
Palm Bay—Melbourne—Titusville, FL	6	0	0	10	0
Philadelphia—Camden—Wilmington, PA—NJ—DE—MD	227	39	8	149	1
Camden Division	27	2	0	20	0
Montgomery Division	9	2	1	15	0
Philadelphia Division	168	33	7	94	1
Wilmington Division	23	1	0	20	0
Phoenix—Mesa—Scottsdale, AZ	69	3	4	24	2
Pittsburgh, PA	40	6	0	7	0
Portland—South Portland, ME	1	1	0	1	1
Portland—Vancouver—Hillsboro, OR—WA	8	0	3	0	0
Providence—Warwick, RI—MA	14	3	1	11	0
Provo—Orem, UT	0	0	0	0	0
Raleigh, NC	54	2	2	24	0
Richmond, VA	102	1	2	24	0

Table 8a. Diagnoses of HIV infection among black/African American adults and adolescents, by transmission category and metropolitan statistical area of residence, 2018—United States (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Riverside–San Bernardino–Ontario, CA	53	5	2	16	0
Rochester, NY	16	0	0	5	0
Sacramento–Roseville–Arden–Arcade, CA	27	2	0	13	0
St. Louis, MO–IL	108	2	2	48	0
Salt Lake City, UT	1	0	1	3	0
San Antonio–New Braunfels, TX	35	2	1	13	0
San Diego–Carlsbad, CA	34	3	1	13	0
San Francisco–Oakland–Hayward, CA ^c	96	17	4	39	1
Oakland Division	65	8	3	27	1
San Francisco Division	31	8	0	10	0
San Jose–Sunnyvale–Santa Clara, CA	7	0	0	4	0
San Juan–Carolina–Caguas, PR ^d	—	—	—	—	—
Scranton–Wilkes-Barre–Hazleton, PA	2	0	2	4	0
Seattle–Tacoma–Bellevue, WA	39	8	5	76	2
Seattle Division	28	7	5	63	2
Tacoma Division	11	1	0	14	0
Spokane–Spokane Valley, WA	2	0	0	1	0
Springfield, MA	8	5	0	6	0
Stockton–Lodi, CA	9	1	0	6	0
Syracuse, NY	9	1	1	2	0
Tampa–St. Petersburg–Clearwater, FL	123	9	4	77	0
Toledo, OH	23	1	2	3	0
Tucson, AZ	11	0	0	7	0
Tulsa, OK	6	0	0	3	0
Virginia Beach–Norfolk–Newport News, VA–NC	104	9	1	47	0
Washington–Arlington–Alexandria, DC–VA–MD–WV	336	26	9	327	2
Silver Spring Division	32	1	0	56	0
Washington Division	304	24	9	271	2
Wichita, KS	10	0	0	3	0
Winston-Salem, NC	23	1	2	12	0
Worcester, MA–CT	5	3	0	9	0
Youngstown–Warren–Boardman, OH–PA	11	1	0	1	0
Subtotal for MSAs (population of ≥500,000)	7,694	596	219	4,386	35
Metropolitan areas (population of 50,000–499,999)	1,191	89	30	727	6
Nonmetropolitan areas	525	58	17	359	3
Total^e	9,440	748	268	5,494	43

Abbreviation: MSA, metropolitan statistical area.

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States.

Data are based on residence at time of diagnosis of HIV infection.

Data have been statistically adjusted to account for missing transmission category.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^c Counts of diagnoses of HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Data are not presented for San Juan–Carolina–Caguas, PR. The 2018 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

^e Includes persons whose county of residence is unknown.

Table 8b. Diagnoses of HIV infection among Hispanic/Latino adults and adolescents, by transmission category and metropolitan statistical area of residence, 2018—United States

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Akron, OH	0	0	0	0	0
Albany–Schenectady–Troy, NY	9	0	0	5	0
Albuquerque, NM	19	4	1	5	0
Allentown–Bethlehem–Easton, PA–NJ	11	1	1	3	0
Atlanta–Sandy Springs–Roswell, GA	146	2	2	35	0
Augusta–Richmond County, GA–SC	2	0	0	0	0
Austin–Round Rock, TX	83	6	1	16	0
Bakersfield, CA	76	8	5	9	0
Baltimore–Columbia–Towson, MD	12	1	1	13	0
Baton Rouge, LA	0	0	0	2	0
Birmingham–Hoover, AL	5	0	0	0	0
Boise City, ID	4	0	0	0	0
Boston–Cambridge–Newton, MA–NH ^c	71	28	2	31	0
Boston Division	37	12	1	17	0
Cambridge Division	34	16	0	14	0
Bridgeport–Stamford–Norwalk, CT	10	0	0	6	0
Buffalo–Cheektowaga–Niagara Falls, NY	6	3	0	0	0
Cape Coral–Fort Myers, FL	17	0	0	10	0
Charleston–North Charleston, SC	9	0	0	4	0
Charlotte–Concord–Gastonia, NC–SC	30	0	2	3	0
Chattanooga, TN–GA	3	0	0	0	0
Chicago–Naperville–Elgin, IL–IN–WI	263	7	5	35	1
Chicago Division	226	6	5	24	1
Elgin Division	18	1	0	2	0
Gary Division	4	0	0	3	0
Lake County Division	15	0	0	6	0
Cincinnati, OH–KY–IN	7	3	1	2	0
Cleveland–Elyria, OH	17	1	0	2	0
Colorado Springs, CO	9	0	1	2	0
Columbia, SC	5	0	0	1	0
Columbus, OH	11	0	0	3	0
Dallas–Fort Worth–Arlington, TX	329	13	16	56	0
Dallas Division	264	10	13	40	0
Fort Worth Division	65	3	3	16	0
Dayton, OH	3	0	1	0	0
Deltona–Daytona Beach–Ormond Beach, FL	12	0	2	2	0
Denver–Aurora–Lakewood, CO	87	5	8	7	0
Des Moines–West Des Moines, IA	3	0	0	1	0
Detroit–Warren–Dearborn, MI	18	2	1	3	0
Detroit Division	7	2	1	3	0
Warren Division	11	0	0	0	0
Durham–Chapel Hill, NC	8	0	0	0	0
El Paso, TX	95	3	7	10	0
Fayetteville–Springdale–Rogers, AR–MO	4	0	0	1	0
Fresno, CA	65	2	1	8	0
Grand Rapids–Wyoming, MI	4	0	1	2	0
Greensboro–High Point, NC	10	0	1	2	0
Greenville–Anderson–Mauldin, SC	13	0	0	2	0
Harrisburg–Carlisle, PA	4	0	0	1	0
Hartford–West Hartford–East Hartford, CT	17	3	1	8	0
Honolulu (Urban), HI	4	0	0	0	0

Table 8b. Diagnoses of HIV infection among Hispanic/Latino adults and adolescents, by transmission category and metropolitan statistical area of residence, 2018—United States (*cont*)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Houston—The Woodlands—Sugar Land, TX	401	21	15	104	1
Indianapolis—Carmel—Anderson, IN	19	1	3	9	0
Jackson, MS	5	0	0	0	0
Jacksonville, FL	23	0	0	5	0
Kansas City, MO—KS	21	0	2	6	0
Knoxville, TN	4	0	0	2	0
Lakeland—Winter Haven, FL	18	0	1	11	0
Lancaster, PA	5	1	0	0	0
Las Vegas—Henderson—Paradise, NV	123	5	7	7	0
Lexington—Fayette KY	6	0	0	0	0
Little Rock—North Little Rock—Conway, AR	10	0	1	1	0
Los Angeles—Long Beach—Anaheim, CA	819	47	34	90	0
Anaheim Division	117	9	5	23	0
Los Angeles Division	703	38	29	68	0
Louisville/Jefferson County, KY—IN	9	0	0	1	0
Madison, WI	6	0	0	0	0
McAllen—Edinburg—Mission, TX	68	3	2	17	0
Memphis, TN—MS—AR	12	0	0	5	0
Miami—Fort Lauderdale—West Palm Beach, FL	749	12	8	177	1
Fort Lauderdale Division	150	4	2	34	1
Miami Division	560	6	5	126	0
West Palm Beach Division	38	2	1	17	0
Milwaukee—Waukesha—West Allis, WI	15	0	1	3	0
Minneapolis—St. Paul—Bloomington, MN—WI	27	1	2	2	0
Modesto, CA	23	2	3	6	0
Nashville—Davidson—Murfreesboro—Franklin, TN	18	0	1	3	0
New Haven—Milford, CT	15	1	1	3	0
New Orleans—Metairie, LA	13	1	0	17	0
New York—Newark—Jersey City, NY—NJ—PA ^c	816	65	35	236	2
Nassau County Division	44	2	3	16	0
New York Division	685	54	30	190	0
Newark Division	83	8	2	31	2
North Port—Sarasota—Bradenton, FL	15	1	0	2	0
Ogden—Clearfield, UT	4	0	0	0	0
Oklahoma City, OK	19	0	0	5	0
Omaha—Council Bluffs, NE—IA	8	0	0	1	0
Orlando—Kissimmee—Sanford, FL	180	13	1	71	0
Oxnard—Thousand Oaks—Ventura, CA	25	0	0	2	0
Palm Bay—Melbourne—Titusville, FL	4	0	0	2	0
Philadelphia—Camden—Wilmington, PA—NJ—DE—MD	82	24	1	36	1
Camden Division	11	2	0	6	0
Montgomery Division	11	0	0	8	0
Philadelphia Division	56	21	1	17	1
Wilmington Division	4	1	0	5	0
Phoenix—Mesa—Scottsdale, AZ	190	14	13	24	1
Pittsburgh, PA	6	0	0	0	0
Portland—South Portland, ME	2	0	0	0	0
Portland—Vancouver—Hillsboro, OR—WA	40	1	4	5	0
Providence—Warwick, RI—MA	16	3	1	6	0
Provo—Orem, UT	4	0	1	0	0
Raleigh, NC	9	0	0	3	0

Table 8b. Diagnoses of HIV infection among Hispanic/Latino adults and adolescents, by transmission category and metropolitan statistical area of residence, 2018—United States (*cont*)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Richmond, VA	17	1	0	1	0
Riverside–San Bernardino–Ontario, CA	218	13	11	25	0
Rochester, NY	11	0	1	2	0
Sacramento–Roseville–Arden–Arcade, CA	43	5	5	9	0
St. Louis, MO–IL	8	0	1	0	0
Salt Lake City, UT	11	0	3	1	0
San Antonio–New Braunfels, TX	171	14	8	28	0
San Diego–Carlsbad, CA	122	10	4	29	0
San Francisco–Oakland–Hayward, CA ^c	188	10	19	16	0
Oakland Division	93	4	5	8	0
San Francisco Division	90	6	14	8	0
San Jose–Sunnyvale–Santa Clara, CA	71	2	6	11	0
San Juan–Carolina–Caguas, PR ^d	—	—	—	—	—
Scranton–Wilkes-Barre–Hazleton, PA	3	0	0	5	0
Seattle–Tacoma–Bellevue, WA	51	3	3	12	0
Seattle Division	47	3	3	11	0
Tacoma Division	4	0	0	1	0
Spokane–Spokane Valley, WA	3	0	0	0	0
Springfield, MA	16	3	2	3	0
Stockton–Lodi, CA	18	2	1	4	0
Syracuse, NY	1	2	1	3	0
Tampa–St. Petersburg–Clearwater, FL	86	6	5	27	0
Toledo, OH	4	0	0	0	0
Tucson, AZ	43	3	3	2	0
Tulsa, OK	8	0	1	4	0
Virginia Beach–Norfolk–Newport News, VA–NC	15	1	0	5	0
Washington–Arlington–Alexandria, DC–VA–MD–WV	108	4	2	18	2
Silver Spring Division	21	1	0	6	0
Washington Division	87	2	2	12	2
Wichita, KS	5	0	1	1	0
Winston-Salem, NC	15	0	0	1	0
Worcester, MA–CT	8	3	1	3	0
Youngstown–Warren–Boardman, OH–PA	2	0	1	0	0
Subtotal for MSAs (population of ≥500,000)	6,572	394	281	1,359	10
Metropolitan areas (population of 50,000–499,999)	601	56	35	152	1
Nonmetropolitan areas	204	24	14	73	1
Total^e	7,400	479	331	1,588	13

Abbreviation: MSA, metropolitan statistical area.

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States.

Data are based on residence at time of diagnosis of HIV infection.

Data have been statistically adjusted to account for missing transmission category.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

Hispanics/Latinos can be of any race.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^c Counts of diagnoses of HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Data are not presented for San Juan–Carolina–Caguas, PR. The 2018 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

^e Includes persons whose county of residence is unknown.

Table 8c. Diagnoses of HIV infection among white adults and adolescents, by transmission category and metropolitan statistical area of residence, 2018—United States

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Akron, OH	23	3	0	2	0
Albany–Schenectady–Troy, NY	10	4	0	3	0
Albuquerque, NM	7	0	2	1	0
Allentown–Bethlehem–Easton, PA–NJ	10	1	0	2	0
Atlanta–Sandy Springs–Roswell, GA	174	14	8	31	0
Augusta–Richmond County, GA–SC	15	2	0	8	0
Austin–Round Rock, TX	76	8	8	13	0
Bakersfield, CA	20	3	1	1	0
Baltimore–Columbia–Towson, MD	38	14	1	11	0
Baton Rouge, LA	15	5	0	6	0
Birmingham–Hoover, AL	27	1	0	5	0
Boise City, ID	5	1	2	2	0
Boston–Cambridge–Newton, MA–NH ^c	94	50	9	13	0
Boston Division	47	18	7	8	0
Cambridge Division	43	30	2	4	0
Bridgeport–Stamford–Norwalk, CT	7	0	0	0	0
Buffalo–Cheektowaga–Niagara Falls, NY	8	4	0	3	0
Cape Coral–Fort Myers, FL	14	2	2	7	0
Charleston–North Charleston, SC	30	3	3	9	0
Charlotte–Concord–Gastonia, NC–SC	58	5	3	10	0
Chattanooga, TN–GA	18	4	3	1	0
Chicago–Naperville–Elgin, IL–IN–WI	171	17	11	20	1
Chicago Division	151	13	10	11	1
Elgin Division	4	2	0	1	0
Gary Division	11	1	0	6	0
Lake County Division	6	0	1	3	0
Cincinnati, OH–KY–IN	61	78	10	8	0
Cleveland–Elyria, OH	33	4	2	6	0
Colorado Springs, CO	18	1	1	1	0
Columbia, SC	10	4	1	5	0
Columbus, OH	49	24	6	8	0
Dallas–Fort Worth–Arlington, TX	224	16	16	37	0
Dallas Division	180	9	11	20	0
Fort Worth Division	44	7	5	16	0
Dayton, OH	25	1	1	3	0
Deltona–Daytona Beach–Ormond Beach, FL	16	8	3	4	0
Denver–Aurora–Lakewood, CO	82	5	14	6	0
Des Moines–West Des Moines, IA	9	2	3	2	0
Detroit–Warren–Dearborn, MI	74	15	5	12	1
Detroit Division	28	5	2	2	0
Warren Division	46	10	3	9	1
Durham–Chapel Hill, NC	4	1	1	2	0
El Paso, TX	1	0	1	1	0
Fayetteville–Springdale–Rogers, AR–MO	8	1	1	2	0
Fresno, CA	12	1	2	1	0
Grand Rapids–Wyoming, MI	21	3	1	1	0
Greensboro–High Point, NC	16	2	0	3	0
Greenville–Anderson–Mauldin, SC	21	1	0	8	0
Harrisburg–Carlisle, PA	10	1	1	1	0
Hartford–West Hartford–East Hartford, CT	20	7	1	5	0
Honolulu (Urban), HI	15	1	0	3	0

Table 8c. Diagnoses of HIV infection among white adults and adolescents, by transmission category and metropolitan statistical area of residence, 2018—United States (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	132	15	11	29	0
Indianapolis–Carmel–Anderson, IN	42	9	4	14	0
Jackson, MS	11	0	0	4	0
Jacksonville, FL	45	13	2	25	0
Kansas City, MO–KS	55	12	9	14	0
Knoxville, TN	28	4	2	5	0
Lakeland–Winter Haven, FL	16	5	3	11	0
Lancaster, PA	3	1	0	2	0
Las Vegas–Henderson–Paradise, NV	91	10	13	17	0
Lexington–Fayette, KY	21	3	2	4	0
Little Rock–North Little Rock–Conway, AR	28	5	0	6	0
Los Angeles–Long Beach–Anaheim, CA	321	30	19	37	1
Anaheim Division	61	9	5	12	0
Los Angeles Division	260	21	14	25	1
Louisville/Jefferson County, KY–IN	67	15	14	9	0
Madison, WI	11	0	1	0	0
McAllen–Edinburg–Mission, TX	2	0	0	0	0
Memphis, TN–MS–AR	24	1	4	6	0
Miami–Fort Lauderdale–West Palm Beach, FL	213	17	16	62	0
Fort Lauderdale Division	77	5	11	29	0
Miami Division	95	4	4	18	0
West Palm Beach Division	41	8	1	14	0
Milwaukee–Waukesha–West Allis, WI	21	1	1	3	0
Minneapolis–St. Paul–Bloomington, MN–WI	51	6	11	15	0
Modesto, CA	10	2	3	2	0
Nashville–Davidson–Murfreesboro–Franklin, TN	64	2	4	7	0
New Haven–Milford, CT	11	3	1	8	0
New Orleans–Metairie, LA	40	10	1	12	0
New York–Newark–Jersey City, NY–NJ–PA ^c	281	28	18	52	0
Nassau County Division	27	6	3	5	0
New York Division	34	5	2	8	0
Newark Division	218	17	12	38	0
North Port–Sarasota–Bradenton, FL	11	6	3	3	0
Ogden–Clearfield, UT	6	1	0	1	0
Oklahoma City, OK	37	6	3	3	0
Omaha–Council Bluffs, NE–IA	13	2	1	3	0
Orlando–Kissimmee–Sanford, FL	107	8	9	31	0
Oxnard–Thousand Oaks–Ventura, CA	15	1	0	2	0
Palm Bay–Melbourne–Titusville, FL	24	6	2	7	0
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	86	57	15	24	0
Camden Division	15	9	2	3	0
Montgomery Division	27	9	4	10	0
Philadelphia Division	34	37	7	10	0
Wilmington Division	10	1	2	1	0
Phoenix–Mesa–Scottsdale, AZ	138	22	8	23	1
Pittsburgh, PA	29	5	4	7	0
Portland–South Portland, ME	1	1	0	3	0
Portland–Vancouver–Hillsboro, OR–WA	67	15	12	9	0
Providence–Warwick, RI–MA	45	4	5	3	0
Provo–Orem, UT	4	1	1	0	0
Raleigh, NC	21	2	3	3	0

Table 8c. Diagnoses of HIV infection among white adults and adolescents, by transmission category and metropolitan statistical area of residence, 2018—United States (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Richmond, VA	35	1	3	6	0
Riverside–San Bernardino–Ontario, CA	118	9	8	19	0
Rochester, NY	13	0	2	4	0
Sacramento–Roseville–Arden–Arcade, CA	42	8	6	4	0
St. Louis, MO–IL	63	4	3	5	0
Salt Lake City, UT	39	2	7	1	0
San Antonio–New Braunfels, TX	43	4	8	8	0
San Diego–Carlsbad, CA	97	13	10	9	0
San Francisco–Oakland–Hayward, CA ^c	104	19	20	11	0
Oakland Division	40	5	9	8	0
San Francisco Division	58	11	11	2	0
San Jose–Sunnyvale–Santa Clara, CA	24	3	3	6	0
San Juan–Carolina–Caguas, PR ^d	—	—	—	—	—
Scranton–Wilkes-Barre–Hazleton, PA	9	2	2	6	0
Seattle–Tacoma–Bellevue, WA	91	34	14	10	0
Seattle Division	76	28	14	6	0
Tacoma Division	16	6	0	4	0
Spokane–Spokane Valley, WA	6	1	6	1	0
Springfield, MA	8	6	0	2	0
Stockton–Lodi, CA	10	3	0	8	0
Syracuse, NY	6	2	0	2	0
Tampa–St. Petersburg–Clearwater, FL	125	29	11	26	0
Toledo, OH	12	0	2	5	0
Tucson, AZ	32	4	0	1	0
Tulsa, OK	19	5	1	5	0
Virginia Beach–Norfolk–Newport News, VA–NC	34	0	6	8	0
Washington–Arlington–Alexandria, DC–VA–MD–WV	88	2	6	17	0
Silver Spring Division	12	0	2	4	0
Washington Division	76	2	4	13	0
Wichita, KS	13	1	3	2	0
Winston-Salem, NC	16	4	3	8	0
Worcester, MA–CT	10	6	0	3	0
Youngstown–Warren–Boardman, OH–PA	11	1	2	3	0
Subtotal for MSAs (population of ≥500,000)	4,802	812	463	909	8
Metropolitan areas (population of 50,000–499,999)	961	201	121	306	3
Nonmetropolitan areas	593	105	82	169	2
Total^e	6,369	1,120	668	1,387	13

Abbreviation: MSA, metropolitan statistical area.

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States.

Data are based on residence at time of diagnosis of HIV infection.

Data have been statistically adjusted to account for missing transmission category.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^c Counts of diagnoses of HIV infection for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Data are not presented for San Juan–Carolina–Caguas, PR. The 2018 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

^e Includes persons whose county of residence is unknown.

Table 9a. Black/African American adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Akron, OH	263	29	17	135	7
Albany–Schenectady–Troy, NY	183	143	32	265	19
Albuquerque, NM	70	12	13	40	6
Allentown–Bethlehem–Easton, PA–NJ	61	48	4	107	5
Atlanta–Sandy Springs–Roswell, GA	15,440	1,729	858	6,818	249
Augusta–Richmond County, GA–SC	685	212	57	680	70
Austin–Round Rock, TX	581	197	85	433	17
Bakersfield, CA	112	42	24	58	2
Baltimore–Columbia–Towson, MD	3,265	3,224	497	4,066	225
Baton Rouge, LA	1,280	528	155	2,238	52
Birmingham–Hoover, AL	1,470	194	85	932	21
Boise City, ID	4	2	2	7	4
Boston–Cambridge–Newton, MA–NH ^c	1,161	981	111	2,447	135
Boston Division	825	681	75	1,456	77
Cambridge Division	328	296	36	979	58
Bridgeport–Stamford–Norwalk, CT	171	256	19	492	25
Buffalo–Cheektowaga–Niagara Falls, NY	380	126	61	351	14
Cape Coral–Fort Myers, FL	165	63	19	537	18
Charleston–North Charleston, SC	785	150	49	660	33
Charlotte–Concord–Gastonia, NC–SC	2,645	608	157	1,982	57
Chattanooga, TN–GA	229	55	13	166	6
Chicago–Naperville–Elgin, IL–IN–WI	7,348	1,967	711	3,889	251
Chicago Division	6,861	1,837	662	3,512	233
Elgin Division	46	15	6	40	3
Gary Division	312	68	23	213	10
Lake County Division	129	47	20	125	5
Cincinnati, OH–KY–IN	1,153	156	71	641	25
Cleveland–Elyria, OH	1,677	216	106	815	42
Colorado Springs, CO	78	18	9	58	7
Columbia, SC	1,544	339	99	1,165	39
Columbus, OH	1,188	189	65	849	29
Dallas–Fort Worth–Arlington, TX	6,166	1,003	478	3,877	143
Dallas Division	4,949	710	368	2,990	89
Fort Worth Division	1,217	293	111	887	53
Dayton, OH	440	48	26	256	12
Deltona–Daytona Beach–Ormond Beach, FL	272	118	46	276	26
Denver–Aurora–Lakewood, CO	711	142	92	555	33
Des Moines–West Des Moines, IA	53	20	6	118	1
Detroit–Warren–Dearborn, MI	4,000	736	243	1,757	82
Detroit Division	3,059	594	192	1,331	60
Warren Division	941	143	51	426	22
Durham–Chapel Hill, NC	617	202	46	517	16
El Paso, TX	48	12	5	30	2
Fayetteville–Springdale–Rogers, AR–MO	33	5	6	19	1
Fresno, CA	125	69	22	62	5
Grand Rapids–Wyoming, MI	153	31	10	167	18
Greensboro–High Point, NC	910	199	58	719	28
Greenville–Anderson–Mauldin, SC	606	110	42	400	9
Harrisburg–Carlisle, PA	83	67	8	114	6
Hartford–West Hartford–East Hartford, CT	265	364	37	425	22
Honolulu (Urban), HI	62	5	4	20	3

Table 9a. Black/African American adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	6,276	1,568	557	5,639	196
Indianapolis–Carmel–Anderson, IN	1,321	156	88	910	40
Jackson, MS	1,249	225	65	1,067	41
Jacksonville, FL	1,571	354	116	2,397	65
Kansas City, MO–KS	1,001	141	77	507	24
Knoxville, TN	123	27	13	106	5
Lakeland–Winter Haven, FL	311	71	20	677	19
Lancaster, PA	17	12	2	63	10
Las Vegas–Henderson–Paradise, NV	1,335	205	107	715	40
Lexington–Fayette, KY	156	30	13	119	10
Little Rock–North Little Rock–Conway, AR	752	77	40	333	14
Los Angeles–Long Beach–Anaheim, CA	6,614	814	578	1,796	112
Anaheim Division	198	42	15	110	12
Los Angeles Division	6,417	772	563	1,687	100
Louisville/Jefferson County, KY–IN	774	169	59	447	25
Madison, WI	74	17	7	54	8
McAllen–Edinburg–Mission, TX	16	3	1	10	0
Memphis, TN–MS–AR	2,910	245	109	2,498	53
Miami–Fort Lauderdale–West Palm Beach, FL	6,146	1,854	492	15,624	574
Fort Lauderdale Division	2,229	665	175	5,834	201
Miami Division	2,998	934	255	6,428	259
West Palm Beach Division	919	254	63	3,361	114
Milwaukee–Waukesha–West Allis, WI	700	128	50	313	10
Minneapolis–St. Paul–Bloomington, MN–WI	1,025	245	95	1,320	80
Modesto, CA	35	12	3	28	7
Nashville–Davidson–Murfreesboro–Franklin, TN	1,266	257	79	768	33
New Haven–Milford, CT	276	379	31	506	28
New Orleans–Metairie, LA	2,172	434	159	2,239	66
New York–Newark–Jersey City, NY–NJ–PA ^c	17,958	12,619	1,723	20,705	1,532
Nassau County Division	427	268	48	630	53
New York Division	15,446	10,046	1,466	16,801	1,258
Newark Division	2,025	2,211	198	3,173	212
North Port–Sarasota–Bradenton, FL	182	52	18	338	9
Ogden–Clearfield, UT	11	2	2	9	0
Oklahoma City, OK	429	65	37	227	12
Omaha–Council Bluffs, NE–IA	46	6	6	43	1
Orlando–Kissimmee–Sanford, FL	1,871	468	107	2,210	101
Oxnard–Thousand Oaks–Ventura, CA	28	6	3	17	2
Palm Bay–Melbourne–Titusville, FL	167	52	16	314	20
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	4,780	2,821	547	6,189	246
Camden Division	411	236	44	559	26
Montgomery Division	121	79	20	214	14
Philadelphia Division	3,866	2,164	417	4,784	179
Wilmington Division	382	341	65	633	27
Phoenix–Mesa–Scottsdale, AZ	919	197	106	550	42
Pittsburgh, PA	533	147	43	410	18
Portland–South Portland, ME	34	26	3	132	9
Portland–Vancouver–Hillsboro, OR–WA	212	37	33	159	13
Providence–Warwick, RI–MA	132	142	21	244	14
Provo–Orem, UT	4	1	1	7	3
Raleigh, NC	1,063	235	69	833	39

Table 9a. Black/African American adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States (*cont*)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Richmond, VA	1,027	253	59	708	25
Riverside–San Bernardino–Ontario, CA	900	196	77	524	31
Rochester, NY	349	263	43	334	20
Sacramento–Roseville–Arden–Arcade, CA	526	133	53	377	25
St. Louis, MO–IL	2,364	247	141	1,174	46
Salt Lake City, UT	58	20	9	112	9
San Antonio–New Braunfels, TX	497	104	52	300	12
San Diego–Carlsbad, CA	914	163	137	377	26
San Francisco–Oakland–Hayward, CA ^c	2,515	743	445	1,135	54
Oakland Division	1,622	370	164	881	42
San Francisco Division	830	337	272	228	12
San Jose–Sunnyvale–Santa Clara, CA	150	29	19	139	10
San Juan–Carolina–Caguas, PR ^d	—	—	—	—	—
Scranton–Wilkes-Barre–Hazleton, PA	29	21	6	61	3
Seattle–Tacoma–Bellevue, WA	779	151	89	810	66
Seattle Division	619	119	79	670	59
Tacoma Division	160	31	10	141	7
Spokane–Spokane Valley, WA	26	1	6	31	5
Springfield, MA	108	123	18	129	13
Stockton–Lodi, CA	129	79	22	119	4
Syracuse, NY	135	88	19	148	10
Tampa–St. Petersburg–Clearwater, FL	1,888	414	147	2,120	91
Toledo, OH	233	31	19	174	11
Tucson, AZ	116	29	25	104	11
Tulsa, OK	223	19	25	146	7
Virginia Beach–Norfolk–Newport News, VA–NC	2,072	396	132	1,430	55
Washington–Arlington–Alexandria, DC–VA–MD–WV	7,910	2,551	677	8,868	285
Silver Spring Division	568	138	34	1,515	44
Washington Division	7,342	2,413	643	7,353	242
Wichita, KS	128	24	17	74	6
Winston-Salem, NC	462	158	37	493	22
Worcester, MA–CT	92	115	17	315	14
Youngstown–Warren–Boardman, OH–PA	140	46	8	96	6
Subtotal for MSAs (population of ≥500,000)	144,735	45,302	12,233	129,959	6,150
Metropolitan areas (population of 50,000–499,999)	16,973	5,075	1,586	17,746	716
Nonmetropolitan areas	9,028	2,917	962	9,249	404
Total^e	178,685	56,283	15,532	163,613	7,730

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States.

Data are based on address of residence at the end of the specified year (i.e., most recent known address).

Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019.

Data have been statistically adjusted to account for missing transmission category.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^c Counts of persons living with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Data are not presented for San Juan–Carolina–Caguas, PR. The 2018 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

^e Includes persons whose county of residence is unknown.

Table 9b. Hispanic/Latino adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Akron, OH	28	4	1	8	2
Albany–Schenectady–Troy, NY	120	119	43	125	19
Albuquerque, NM	623	77	79	89	7
Allentown–Bethlehem–Easton, PA–NJ	102	151	20	195	13
Atlanta–Sandy Springs–Roswell, GA	1,980	173	138	579	31
Augusta–Richmond County, GA–SC	43	15	5	41	1
Austin–Round Rock, TX	1,603	134	146	311	18
Bakersfield, CA	516	143	88	146	8
Baltimore–Columbia–Towson, MD	328	74	43	238	9
Baton Rouge, LA	53	7	3	39	2
Birmingham–Hoover, AL	87	8	7	36	0
Boise City, ID	26	6	6	8	0
Boston–Cambridge–Newton, MA–NH ^c	1,443	879	146	855	47
Boston Division	862	442	88	387	22
Cambridge Division	569	432	57	463	25
Bridgeport–Stamford–Norwalk, CT	322	264	21	314	19
Buffalo–Cheektowaga–Niagara Falls, NY	174	133	44	123	6
Cape Coral–Fort Myers, FL	212	38	13	181	3
Charleston–North Charleston, SC	97	13	9	45	1
Charlotte–Concord–Gastonia, NC–SC	472	48	23	190	12
Chattanooga, TN–GA	43	5	4	31	1
Chicago–Naperville–Elgin, IL–IN–WI	4,382	479	381	1,080	78
Chicago Division	4,030	428	348	925	71
Elgin Division	99	9	10	33	0
Gary Division	77	21	9	38	5
Lake County Division	177	21	14	84	1
Cincinnati, OH–KY–IN	118	25	13	50	0
Cleveland–Elyria, OH	332	116	37	172	15
Colorado Springs, CO	117	17	16	22	4
Columbia, SC	113	16	6	57	1
Columbus, OH	200	21	21	77	6
Dallas–Fort Worth–Arlington, TX	5,081	391	321	1,073	45
Dallas Division	4,154	256	235	791	33
Fort Worth Division	926	135	86	282	13
Dayton, OH	45	0	2	6	1
Deltona–Daytona Beach–Ormond Beach, FL	139	45	24	81	5
Denver–Aurora–Lakewood, CO	1,570	143	223	252	8
Des Moines–West Des Moines, IA	61	10	6	15	0
Detroit–Warren–Dearborn, MI	309	41	26	106	8
Detroit Division	171	32	10	76	4
Warren Division	139	9	16	30	4
Durham–Chapel Hill, NC	141	16	8	77	1
El Paso, TX	1,398	122	115	322	20
Fayetteville–Springdale–Rogers, AR–MO	68	8	5	22	0
Fresno, CA	794	76	69	134	7
Grand Rapids–Wyoming, MI	116	13	12	34	3
Greensboro–High Point, NC	106	8	4	45	1
Greenville–Anderson–Mauldin, SC	119	15	7	41	1
Harrisburg–Carlisle, PA	38	49	7	39	1
Hartford–West Hartford–East Hartford, CT	332	567	61	411	32
Honolulu (Urban), HI	130	12	17	12	3

Table 9b. Hispanic/Latino adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Houston—The Woodlands—Sugar Land, TX	6,043	464	378	2,108	77
Indianapolis—Carmel—Anderson, IN	302	29	26	155	2
Jackson, MS	53	7	9	23	0
Jacksonville, FL	236	55	22	144	8
Kansas City, MO—KS	402	37	25	89	3
Knoxville, TN	49	2	4	17	1
Lakeland—Winter Haven, FL	210	72	27	201	14
Lancaster, PA	63	52	6	78	3
Las Vegas—Henderson—Paradise, NV	1,855	103	115	289	8
Lexington—Fayette KY	90	12	7	30	1
Little Rock—North Little Rock—Conway, AR	104	10	3	23	1
Los Angeles—Long Beach—Anaheim, CA	20,402	1,238	1,293	3,041	223
Anaheim Division	2,540	208	156	429	26
Los Angeles Division	17,862	1,030	1,137	2,612	197
Louisville/Jefferson County, KY—IN	180	15	5	45	2
Madison, WI	50	6	6	10	2
McAllen—Edinburg—Mission, TX	863	88	51	352	10
Memphis, TN—MS—AR	113	8	5	87	1
Miami—Fort Lauderdale—West Palm Beach, FL	12,378	612	527	3,769	106
Fort Lauderdale Division	2,658	136	134	791	29
Miami Division	9,079	396	350	2,514	63
West Palm Beach Division	641	80	43	464	14
Milwaukee—Waukesha—West Allis, WI	213	45	18	81	6
Minneapolis—St. Paul—Bloomington, MN—WI	513	55	41	121	8
Modesto, CA	229	29	21	57	8
Nashville—Davidson—Murfreesboro—Franklin, TN	251	19	17	84	4
New Haven—Milford, CT	306	351	36	319	27
New Orleans—Metairie, LA	288	34	29	215	6
New York—Newark—Jersey City, NY—NJ—PA ^c	22,502	11,016	2,594	12,626	1,173
Nassau County Division	974	254	87	594	60
New York Division	20,088	9,907	2,388	11,049	1,057
Newark Division	1,321	735	93	916	45
North Port—Sarasota—Bradenton, FL	144	36	16	113	3
Ogden—Clearfield, UT	59	7	10	12	0
Oklahoma City, OK	220	21	15	68	2
Omaha—Council Bluffs, NE—IA	42	5	6	12	0
Orlando—Kissimmee—Sanford, FL	1,936	409	157	980	58
Oxnard—Thousand Oaks—Ventura, CA	389	28	21	87	8
Palm Bay—Melbourne—Titusville, FL	77	32	10	51	3
Philadelphia—Camden—Wilmington, PA—NJ—DE—MD	1,257	1,097	241	1,286	71
Camden Division	241	179	33	234	16
Montgomery Division	72	56	11	68	2
Philadelphia Division	849	803	188	903	49
Wilmington Division	95	59	9	81	4
Phoenix—Mesa—Scottsdale, AZ	2,693	362	286	521	34
Pittsburgh, PA	101	15	8	29	2
Portland—South Portland, ME	40	13	3	9	0
Portland—Vancouver—Hillsboro, OR—WA	619	36	69	85	5
Providence—Warwick, RI—MA	201	168	35	223	17
Provo—Orem, UT	45	5	7	9	3
Raleigh, NC	243	25	17	117	4
Richmond, VA	128	25	7	79	2

Table 9b. Hispanic/Latino adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Riverside–San Bernardino–Ontario, CA	3,236	319	267	607	36
Rochester, NY	203	198	37	200	14
Sacramento–Roseville–Arden–Arcade, CA	733	81	82	186	12
St. Louis, MO–IL	205	17	18	55	4
Salt Lake City, UT	277	54	51	73	2
San Antonio–New Braunfels, TX	3,110	316	239	569	33
San Diego–Carlsbad, CA	3,674	304	279	662	54
San Francisco–Oakland–Hayward, CA ^c	4,078	261	498	568	35
Oakland Division	1,426	95	118	264	15
San Francisco Division	2,531	144	362	268	16
San Jose–Sunnyvale–Santa Clara, CA	1,050	82	97	190	9
San Juan–Carolina–Caguas, PR ^d	—	—	—	—	—
Scranton–Wilkes-Barre–Hazleton, PA	22	24	2	51	3
Seattle–Tacoma–Bellevue, WA	1,042	73	127	197	15
Seattle Division	903	49	105	153	13
Tacoma Division	139	24	22	44	2
Spokane–Spokane Valley, WA	40	3	9	3	1
Springfield, MA	264	438	56	363	32
Stockton–Lodi, CA	292	47	30	85	5
Syracuse, NY	82	40	22	58	4
Tampa–St. Petersburg–Clearwater, FL	1,313	259	120	620	33
Toledo, OH	44	5	5	17	1
Tucson, AZ	595	82	84	105	7
Tulsa, OK	121	14	13	47	2
Virginia Beach–Norfolk–Newport News, VA–NC	164	36	14	107	6
Washington–Arlington–Alexandria, DC–VA–MD–WV	2,204	168	107	937	35
Silver Spring Division	333	23	15	242	6
Washington Division	1,871	146	91	695	29
Wichita, KS	84	12	17	30	1
Winston-Salem, NC	130	15	7	55	2
Worcester, MA–CT	158	279	27	215	21
Youngstown–Warren–Boardman, OH–PA	43	23	8	22	4
Subtotal for MSAs (population of ≥500,000)	123,026	24,265	10,606	41,342	2,724
Metropolitan areas (population of 50,000–499,999)	8,504	2,154	1,045	3,879	205
Nonmetropolitan areas	3,623	1,301	652	1,802	111
Total^e	138,023	28,677	12,647	48,568	3,157

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States.

Data are based on address of residence at the end of the specified year (i.e., most recent known address).

Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019.

Data have been statistically adjusted to account for missing transmission category.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

Hispanics/Latinos can be of any race.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^c Counts of persons living with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Data are not presented for San Juan–Carolina–Caguas, PR. The 2018 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

^e Includes persons whose county of residence is unknown.

Table 9c. White adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Akron, OH	356	25	29	74	3
Albany–Schenectady–Troy, NY	431	97	63	142	15
Albuquerque, NM	467	46	74	52	4
Allentown–Bethlehem–Easton, PA–NJ	196	68	15	102	7
Atlanta–Sandy Springs–Roswell, GA	5,035	307	361	566	41
Augusta–Richmond County, GA–SC	262	42	32	94	12
Austin–Round Rock, TX	1,857	123	240	173	10
Bakersfield, CA	265	92	62	66	5
Baltimore–Columbia–Towson, MD	1,109	411	94	348	30
Baton Rouge, LA	467	77	52	150	6
Birmingham–Hoover, AL	846	85	75	144	9
Boise City, ID	98	19	21	18	4
Boston–Cambridge–Newton, MA–NH ^c	3,714	837	330	445	69
Boston Division	2,092	367	181	198	26
Cambridge Division	1,463	446	132	211	43
Bridgeport–Stamford–Norwalk, CT	389	124	18	109	11
Buffalo–Cheektowaga–Niagara Falls, NY	487	78	67	122	12
Cape Coral–Fort Myers, FL	561	49	58	170	5
Charleston–North Charleston, SC	491	51	51	106	4
Charlotte–Concord–Gastonia, NC–SC	1,412	120	96	271	19
Chattanooga, TN–GA	407	45	27	98	6
Chicago–Naperville–Elgin, IL–IN–WI	5,333	346	388	534	67
Chicago Division	4,805	267	345	395	46
Elgin Division	94	17	8	24	5
Gary Division	247	41	19	77	8
Lake County Division	188	21	16	40	9
Cincinnati, OH–KY–IN	1,321	223	119	239	19
Cleveland–Elyria, OH	1,213	98	96	202	12
Colorado Springs, CO	357	50	68	51	3
Columbia, SC	504	64	48	144	6
Columbus, OH	2,113	147	137	299	23
Dallas–Fort Worth–Arlington, TX	6,252	457	566	647	55
Dallas Division	5,087	253	394	386	31
Fort Worth Division	1,164	204	172	261	24
Dayton, OH	554	41	35	86	11
Deltona–Daytona Beach–Ormond Beach, FL	513	115	63	151	4
Denver–Aurora–Lakewood, CO	4,109	249	637	273	33
Des Moines–West Des Moines, IA	362	34	51	55	7
Detroit–Warren–Dearborn, MI	1,848	133	131	255	31
Detroit Division	713	64	63	114	13
Warren Division	1,136	69	68	141	18
Durham–Chapel Hill, NC	332	22	29	44	3
El Paso, TX	90	10	13	14	1
Fayetteville–Springdale–Rogers, AR–MO	291	41	34	65	5
Fresno, CA	338	61	51	37	2
Grand Rapids–Wyoming, MI	420	25	38	64	8
Greensboro–High Point, NC	421	41	22	97	7
Greenville–Anderson–Mauldin, SC	466	54	46	119	9
Harrisburg–Carlisle, PA	219	30	16	76	9
Hartford–West Hartford–East Hartford, CT	533	228	34	186	12
Honolulu (Urban), HI	468	42	41	54	5

Table 9c. White adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States (*cont*)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Houston–The Woodlands–Sugar Land, TX	4,095	434	411	628	35
Indianapolis–Carmel–Anderson, IN	1,663	130	182	298	20
Jackson, MS	235	35	29	67	8
Jacksonville, FL	1,100	165	117	414	15
Kansas City, MO–KS	1,727	115	195	175	14
Knoxville, TN	492	66	39	97	6
Lakeland–Winter Haven, FL	424	78	45	192	6
Lancaster, PA	137	36	11	39	5
Las Vegas–Henderson–Paradise, NV	2,304	257	277	286	23
Lexington–Fayette, KY	475	40	41	53	3
Little Rock–North Little Rock–Conway, AR	600	71	47	98	6
Los Angeles–Long Beach–Anaheim, CA	12,814	744	1,119	760	76
Anaheim Division	1,879	189	174	195	18
Los Angeles Division	10,934	555	946	565	59
Louisville/Jefferson County, KY–IN	1,218	240	128	200	7
Madison, WI	253	16	29	25	4
McAllen–Edinburg–Mission, TX	38	7	2	10	0
Memphis, TN–MS–AR	561	39	44	140	11
Miami–Fort Lauderdale–West Palm Beach, FL	8,092	484	467	1,171	49
Fort Lauderdale Division	4,911	213	284	513	19
Miami Division	2,004	131	100	326	15
West Palm Beach Division	1,177	141	83	332	16
Milwaukee–Waukesha–West Allis, WI	517	33	42	61	9
Minneapolis–St. Paul–Bloomington, MN–WI	2,474	125	270	291	34
Modesto, CA	202	38	26	41	5
Nashville–Davidson–Murfreesboro–Franklin, TN	1,583	127	116	256	17
New Haven–Milford, CT	417	229	31	175	9
New Orleans–Metairie, LA	1,550	164	168	229	20
New York–Newark–Jersey City, NY–NJ–PA ^c	15,749	2,621	910	2,521	252
Nassau County Division	1,036	236	82	277	38
New York Division	13,699	2,071	756	1,927	188
Newark Division	872	265	58	266	23
North Port–Sarasota–Bradenton, FL	667	110	67	155	8
Ogden–Clearfield, UT	164	11	47	28	5
Oklahoma City, OK	986	135	153	141	17
Omaha–Council Bluffs, NE–IA	134	14	20	24	4
Orlando–Kissimmee–Sanford, FL	2,724	192	159	382	20
Oxnard–Thousand Oaks–Ventura, CA	296	37	19	54	8
Palm Bay–Melbourne–Titusville, FL	460	87	51	171	16
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	2,802	797	261	915	52
Camden Division	442	122	50	136	7
Montgomery Division	402	71	40	144	9
Philadelphia Division	1,649	528	146	500	28
Wilmington Division	309	76	25	134	7
Phoenix–Mesa–Scottsdale, AZ	4,176	450	503	483	70
Pittsburgh, PA	1,060	86	65	207	23
Portland–South Portland, ME	421	62	21	51	8
Portland–Vancouver–Hillsboro, OR–WA	2,869	265	387	283	36
Providence–Warwick, RI–MA	718	300	76	201	18
Provo–Orem, UT	82	11	16	10	1
Raleigh, NC	751	66	46	119	12

Table 9c. White adults and adolescents living with diagnosed HIV infection (prevalence), by transmission category and metropolitan statistical area of residence, year-end 2018—United States (cont)

MSA of residence	Male-to-male sexual contact	Injection drug use (IDU)	Male-to-male sexual contact/ IDU	Heterosexual contact ^a	Other ^b
	No.	No.	No.	No.	No.
Richmond, VA	558	58	40	135	16
Riverside–San Bernardino–Ontario, CA	5,415	301	505	325	28
Rochester, NY	552	82	64	148	13
Sacramento–Roseville–Arden–Arcade, CA	1,673	215	268	314	16
St. Louis, MO–IL	2,025	116	124	259	27
Salt Lake City, UT	818	90	192	85	15
San Antonio–New Braunfels, TX	990	124	102	107	10
San Diego–Carlsbad, CA	4,440	283	534	392	24
San Francisco–Oakland–Hayward, CA ^c	8,078	509	1,327	413	46
Oakland Division	2,117	165	238	221	32
San Francisco Division	5,674	297	1,051	153	12
San Jose–Sunnyvale–Santa Clara, CA	790	57	86	88	7
San Juan–Carolina–Caguas, PR ^d	—	—	—	—	—
Scranton–Wilkes-Barre–Hazleton, PA	123	36	13	72	5
Seattle–Tacoma–Bellevue, WA	3,796	286	548	320	46
Seattle Division	3,307	215	476	243	38
Tacoma Division	489	71	72	76	8
Spokane–Spokane Valley, WA	286	65	93	44	8
Springfield, MA	342	116	32	64	6
Stockton–Lodi, CA	201	75	37	62	6
Syracuse, NY	348	41	32	86	8
Tampa–St. Petersburg–Clearwater, FL	3,857	360	386	716	38
Toledo, OH	302	17	29	99	7
Tucson, AZ	878	109	123	130	21
Tulsa, OK	682	83	125	112	9
Virginia Beach–Norfolk–Newport News, VA–NC	936	93	71	212	19
Washington–Arlington–Alexandria, DC–VA–MD–WV	4,133	268	227	521	62
Silver Spring Division	482	61	32	153	18
Washington Division	3,651	207	196	368	44
Wichita, KS	310	36	55	53	4
Winston-Salem, NC	352	47	27	91	6
Worcester, MA–CT	426	187	48	117	18
Youngstown–Warren–Boardman, OH–PA	214	26	21	52	4
Subtotal for MSAs (population of ≥500,000)	166,453	17,794	16,164	23,405	2,001
Metropolitan areas (population of 50,000–499,999)	25,829	4,080	3,337	6,462	475
Nonmetropolitan areas	13,920	2,666	2,157	4,117	320
Total^e	215,956	25,995	22,754	36,158	3,022

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States.

Data are based on address of residence at the end of the specified year (i.e., most recent known address).

Data for the year 2018 are considered preliminary and are based on death data reported to CDC through December 2019.

Data have been statistically adjusted to account for missing transmission category.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12 should be interpreted with caution.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.

^c Counts of persons living with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Data are not presented for San Juan–Carolina–Caguas, PR. The 2018 postcensal estimates do not include population denominators by race/ethnicity for Puerto Rico, thereby preventing assessment of the suppression rule for population denominators (i.e., cells suppressed when population denominator <100).

^e Includes persons whose county of residence is unknown.

Table 10. Deaths of adults and adolescents with diagnosed HIV infection, by sex and metropolitan statistical area of residence, 2018—United States and Puerto Rico

MSA of residence	Males			Females			Total		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
Akron, OH	17	5.8	56	2	0.6	—	19	3.1	61
Albany–Schenectady–Troy, NY	26	7.0	41	15	3.8	18	41	5.4	30
Albuquerque, NM	1	0.3	—	0	0.0	—	1	0.1	—
Allentown–Bethlehem–Easton, PA–NJ	11	3.1	—	7	1.9	—	18	2.5	70
Atlanta–Sandy Springs–Roswell, GA	281	11.9	12	110	4.3	15	391	7.9	15
Augusta–Richmond County, GA–SC	23	9.5	26	18	6.9	6	41	8.1	12
Austin–Round Rock, TX	53	5.9	55	12	1.3	37	65	3.6	55
Bakersfield, CA	37	10.2	21	7	2.0	—	44	6.2	22
Baltimore–Columbia–Towson, MD	250	22.2	1	100	8.1	3	350	14.8	2
Baton Rouge, LA	70	20.9	3	41	11.6	1	111	16.1	1
Birmingham–Hoover, AL	24	5.3	63	5	1.0	—	29	3.0	64
Boise City, ID	2	0.7	—	0	0.0	—	2	0.3	—
Boston–Cambridge–Newton, MA–NH ^c	2	0.1	—	1	0.0	—	3	0.1	—
Boston Division	0	0.0	—	1	0.1	—	1	0.1	—
Cambridge Division	1	0.1	—	0	0.0	—	1	0.0	—
Bridgeport–Stamford–Norwalk, CT	26	6.7	44	11	2.7	—	37	4.6	40
Buffalo–Cheektowaga–Niagara Falls, NY	34	7.3	39	13	2.6	25	47	4.9	36
Cape Coral–Fort Myers, FL	37	11.5	15	11	3.2	—	48	7.3	18
Charleston–North Charleston, SC	19	5.9	53	13	3.8	19	32	4.8	38
Charlotte–Concord–Gastonia, NC–SC	8	0.8	—	6	0.5	—	14	0.7	83
Chattanooga, TN–GA	25	10.9	18	12	4.8	11	37	7.8	16
Chicago–Naperville–Elgin, IL–IN–WI	29	0.7	79	8	0.2	—	37	0.5	84
Chicago Division	12	0.4	—	3	0.1	—	15	0.2	—
Elgin Division	1	0.4	—	0	0.0	—	1	0.2	—
Gary Division	14	4.9	—	5	1.6	—	19	3.2	—
Lake County Division	2	0.6	—	0	0.0	—	2	0.3	—
Cincinnati, OH–KY–IN	62	7.0	42	17	1.8	30	79	4.3	43
Cleveland–Elyria, OH	52	6.2	49	13	1.4	33	65	3.7	53
Colorado Springs, CO	1	0.3	—	0	0.0	—	1	0.2	—
Columbia, SC	24	7.1	40	11	3.0	—	35	5.0	34
Columbus, OH	67	7.8	35	8	0.9	—	75	4.3	44
Dallas–Fort Worth–Arlington, TX	141	4.7	65	32	1.0	42	173	2.8	69
Dallas Division	68	3.4	—	11	0.5	—	79	1.9	—
Fort Worth Division	73	7.3	—	21	2.0	—	94	4.6	—
Dayton, OH	29	8.9	29	4	1.1	—	33	4.9	35
Deltona–Daytona Beach–Ormond Beach, FL	33	11.8	14	14	4.7	12	47	8.1	11
Denver–Aurora–Lakewood, CO	45	3.7	70	3	0.2	—	48	2.0	79
Des Moines–West Des Moines, IA	0	0.0	—	0	0.0	—	0	0.0	—

Table 10. Deaths of adults and adolescents with diagnosed HIV infection, by sex and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	Males			Females			Total		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
Detroit–Warren–Dearborn, MI	156	8.8	30	43	2.3	28	199	5.4	29
Detroit Division	117	16.9	—	35	4.6	—	152	10.4	—
Warren Division	39	3.6	—	8	0.7	—	47	2.1	—
Durham–Chapel Hill, NC	4	1.7	—	0	0.0	—	4	0.8	—
El Paso, TX	1	0.3	—	1	0.3	—	2	0.3	—
Fayetteville–Springdale–Rogers, AR–MO	5	2.2	—	2	0.9	—	7	1.6	—
Fresno, CA	25	6.4	47	6	1.5	—	31	3.9	48
Grand Rapids–Wyoming, MI	12	2.8	77	8	1.8	—	20	2.3	76
Greensboro–High Point, NC	5	1.6	—	1	0.3	—	6	0.9	—
Greenville–Anderson–Mauldin, SC	13	3.5	71	11	2.8	—	24	3.2	60
Harrisburg–Carlisle, PA	13	5.5	61	2	0.8	—	15	3.1	62
Hartford–West Hartford–East Hartford, CT	50	9.9	23	23	4.3	13	73	7.0	20
Honolulu (Urban), HI	1	0.2	—	0	0.0	—	1	0.1	—
Houston–The Woodlands–Sugar Land, TX	287	10.3	20	86	3.0	23	373	6.6	21
Indianapolis–Carmel–Anderson, IN	60	7.4	38	12	1.4	35	72	4.3	45
Jackson, MS	27	11.8	13	16	6.3	9	43	8.9	9
Jacksonville, FL	98	15.8	6	47	7.1	4	145	11.3	6
Kansas City, MO–KS	56	6.5	46	7	0.8	—	63	3.6	56
Knoxville, TN	21	5.7	58	7	1.8	—	28	3.7	54
Lakeland–Winter Haven, FL	36	12.4	10	13	4.2	16	49	8.2	10
Lancaster, PA	8	3.7	—	5	2.1	—	13	2.9	68
Las Vegas–Henderson–Paradise, NV	83	9.0	28	24	2.6	26	107	5.8	27
Lexington–Fayette, KY	20	9.5	25	1	0.4	—	21	4.8	37
Little Rock–North Little Rock–Conway, AR	25	8.5	33	8	2.5	—	33	5.4	31
Los Angeles–Long Beach–Anaheim, CA	482	8.8	31	79	1.4	34	561	5.0	33
Anaheim Division	76	5.8	—	13	0.9	—	89	3.3	—
Los Angeles Division	406	9.7	—	66	1.5	—	472	5.5	—
Louisville/Jefferson County, KY–IN	39	7.4	37	17	3.0	22	56	5.1	32
Madison, WI	5	1.8	—	4	1.4	—	9	1.6	—
McAllen–Edinburg–Mission, TX	11	3.4	—	4	1.2	—	15	2.3	75
Memphis, TN–MS–AR	71	13.6	8	38	6.5	8	109	9.8	7
Miami–Fort Lauderdale–West Palm Beach, FL	538	21.1	2	243	8.9	2	781	14.7	3
Fort Lauderdale Division	186	23.3	—	72	8.4	—	258	15.6	—
Miami Division	260	22.9	—	114	9.3	—	374	15.9	—
West Palm Beach Division	92	14.9	—	57	8.5	—	149	11.6	—
Milwaukee–Waukesha–West Allis, WI	38	6.0	52	11	1.6	—	49	3.7	52
Minneapolis–St. Paul–Bloomington, MN–WI	56	3.8	69	17	1.1	41	73	2.4	72
Modesto, CA	9	4.1	—	1	0.4	—	10	2.3	—

Table 10. Deaths of adults and adolescents with diagnosed HIV infection, by sex and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	Males			Females			Total		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
Nashville–Davidson–Murfreesboro–Franklin, TN	74	9.5	24	21	2.5	27	95	5.9	26
New Haven–Milford, CT	38	10.8	19	14	3.6	21	52	7.1	19
New Orleans–Metairie, LA	98	19.3	4	38	6.8	7	136	12.8	4
New York–Newark–Jersey City, NY–NJ–PA ^c	1,310	16.2	5	607	6.9	5	1,917	11.3	5
Nassau County Division	71	6.0	—	25	2.0	—	96	4.0	—
New York Division	1,060	18.5	—	483	7.7	—	1,543	12.8	—
Newark Division	169	16.5	—	90	8.2	—	259	12.3	—
North Port–Sarasota–Bradenton, FL	35	10.1	22	8	2.1	—	43	5.9	25
Ogden–Clearfield, UT	8	3.0	—	0	0.0	—	8	1.5	—
Oklahoma City, OK	16	2.9	76	7	1.2	—	23	2.0	78
Omaha–Council Bluffs, NE–IA	7	1.9	—	2	0.5	—	9	1.2	—
Orlando–Kissimmee–Sanford, FL	117	11.1	17	48	4.3	14	165	7.6	17
Oxnard–Thousand Oaks–Ventura, CA	9	2.6	—	1	0.3	—	10	1.4	—
Palm Bay–Melbourne–Titusville, FL	32	12.7	9	10	3.7	—	42	8.1	13
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	298	12.1	11	112	4.2	17	410	8.0	14
Camden Division	39	7.7	—	12	2.2	—	51	4.8	—
Montgomery Division	41	5.0	—	9	1.0	—	50	3.0	—
Philadelphia Division	197	23.3	—	80	8.3	—	277	15.4	—
Wilmington Division	21	7.1	—	11	3.5	—	32	5.2	—
Phoenix–Mesa–Scottsdale, AZ	125	6.3	48	26	1.3	38	151	3.7	51
Pittsburgh, PA	40	4.1	68	6	0.6	—	46	2.3	74
Portland–South Portland, ME	5	2.2	—	1	0.4	—	6	1.3	—
Portland–Vancouver–Hillsboro, OR–WA	55	5.3	62	7	0.7	—	62	3.0	66
Providence–Warwick, RI–MA	16	2.4	78	7	1.0	—	23	1.6	81
Provo–Orem, UT	0	0.0	—	0	0.0	—	0	0.0	—
Raleigh, NC	25	4.6	67	13	2.2	29	38	3.4	57
Richmond, VA	16	3.0	74	7	1.2	—	23	2.1	77
Riverside–San Bernardino–Ontario, CA	210	11.2	16	13	0.7	44	223	5.9	24
Rochester, NY	26	5.9	54	14	3.0	24	40	4.4	42
Sacramento–Roseville–Arden–Arcade, CA	54	5.7	59	12	1.2	40	66	3.4	58
St. Louis, MO–IL	107	9.4	27	22	1.8	31	129	5.5	28
Salt Lake City, UT	27	5.5	60	2	0.4	—	29	3.0	65
San Antonio–New Braunfels, TX	4	0.4	—	0	0.0	—	4	0.2	—
San Diego–Carlsbad, CA	122	8.6	32	14	1.0	43	136	4.8	39
San Francisco–Oakland–Hayward, CA ^c	153	7.7	36	28	1.4	36	181	4.5	41
Oakland Division	83	7.1	—	17	1.4	—	100	4.2	—
San Francisco Division	66	9.1	—	11	1.5	—	77	5.3	—
San Jose–Sunnyvale–Santa Clara, CA	26	3.1	73	2	0.2	—	28	1.7	80

Table 10. Deaths of adults and adolescents with diagnosed HIV infection, by sex and metropolitan statistical area of residence, 2018—United States and Puerto Rico (cont)

MSA of residence	Males			Females			Total		
	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b	No.	Rate ^a	Rank ^b
San Juan–Carolina–Caguas, PR	28	3.4	72	14	1.5	32	42	2.4	73
Scranton–Wilkes-Barre–Hazleton, PA	6	2.6	—	2	0.8	—	8	1.7	—
Seattle–Tacoma–Bellevue, WA	115	6.9	43	20	1.2	39	135	4.1	46
Seattle Division	95	7.4	—	13	1.0	—	108	4.2	—
Tacoma Division	20	5.5	—	7	1.9	—	27	3.7	—
Spokane–Spokane Valley, WA	12	5.0	64	0	0.0	—	12	2.5	71
Springfield, MA	1	0.4	—	0	0.0	—	1	0.2	—
Stockton–Lodi, CA	20	6.7	45	3	1.0	—	23	3.8	50
Syracuse, NY	11	4.1	—	7	2.4	—	18	3.2	59
Tampa–St. Petersburg–Clearwater, FL	189	14.6	7	71	5.1	10	260	9.6	8
Toledo, OH	15	6.1	51	5	1.9	—	20	4.0	47
Tucson, AZ	25	5.8	57	2	0.4	—	27	3.1	63
Tulsa, OK	12	3.0	75	1	0.2	—	13	1.6	82
Virginia Beach–Norfolk–Newport News, VA–NC	33	4.7	66	9	1.2	—	42	2.9	67
Washington–Arlington–Alexandria, DC–VA–MD–WV	211	8.4	34	101	3.8	20	312	6.0	23
Silver Spring Division	31	5.9	—	8	1.4	—	39	3.6	—
Washington Division	180	9.0	—	93	4.4	—	273	6.6	—
Wichita, KS	16	6.2	50	4	1.5	—	20	3.8	49
Winston-Salem, NC	2	0.7	—	1	0.3	—	3	0.5	—
Worcester, MA–CT	4	1.0	—	0	0.0	—	4	0.5	—
Youngstown–Warren–Boardman, OH–PA	9	4.0	—	1	0.4	—	10	2.2	—
Subtotal for MSAs (population of ≥500,000)	7,446	8.1	—	2,514	2.6	—	9,960	5.3	—
Metropolitan areas (population of 50,000–499,999)	1,147	4.7	—	403	1.6	—	1,550	3.1	—
Nonmetropolitan areas	680	3.5	—	186	1.0	—	866	2.2	—
Total^d	11,971	8.8	—	3,843	2.7	—	15,814	5.7	—

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Deaths of persons with diagnosed HIV infection may be due to any cause.

Data for the year 2018 are considered preliminary and are based on deaths reported to CDC through December 2019.

Data are based on residence at death. When information on residence at death was not available, state at death (where a person's death occurred) was used.

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a Rates are per 100,000 population.

^b Based on rate. Ranks were not assigned to MSAs that were based on reported numbers less than 12.

^c Counts of deaths of persons with diagnosed HIV infection in the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^d Includes persons whose county of residence is unknown.

Appendix. Stage 3 (AIDS), 2018 and cumulative, and persons living with diagnosed HIV infection ever classified as stage 3 (AIDS) (prevalence), year-end 2018, by metropolitan statistical area of residence—United States and Puerto Rico

MSA of residence	Diagnosis, cumulative ^{a,b}							
	Diagnosis, 2018 ^b			Adults or adolescents			Prevalence of stage 3 (AIDS), year-end 2018 ^c	
	No.	Rate ^d	Rank ^e	No.	No.	No.	No.	Rate ^d
Akron, OH	18	2.6	91	1,011	1	1,012	447	63.4
Albany–Schenectady–Troy, NY	35	4.0	64	2,674	25	2,699	1,237	140.1
Albuquerque, NM	25	2.7	88	1,886	4	1,890	982	107.2
Allentown–Bethlehem–Easton, PA–NJ	24	2.8	83	1,801	18	1,819	612	72.6
Atlanta–Sandy Springs–Roswell, GA	766	12.9	4	35,371	153	35,524	18,317	307.9
Augusta–Richmond County, GA–SC	58	9.6	8	2,810	26	2,836	1,278	211.5
Austin–Round Rock, TX	107	4.9	46	6,572	26	6,598	3,118	143.8
Bakersfield, CA	51	5.7	32	2,191	9	2,200	887	98.9
Baltimore–Columbia–Towson, MD	260	9.3	11	26,319	229	26,548	7,906	282.1
Baton Rouge, LA	78	9.4	10	5,967	26	5,993	2,650	318.8
Birmingham–Hoover, AL	82	7.1	23	3,730	25	3,755	1,804	156.6
Boise City, ID	7	1.0	—	462	0	462	80	11.0
Boston–Cambridge–Newton, MA–NH ^f	208	4.3	60	17,502	167	17,669	7,576	155.4
Boston Division	113	5.6	—	10,795	98	10,893	4,432	218.2
Cambridge Division	91	3.8	—	6,317	68	6,385	3,006	125.0
Bridgeport–Stamford–Norwalk, CT	37	3.9	66	4,301	57	4,358	1,553	164.5
Buffalo–Cheektowaga–Niagara Falls, NY	31	2.7	87	3,082	20	3,102	1,299	114.9
Cape Coral–Fort Myers, FL	44	5.8	29	2,380	26	2,406	1,233	163.4
Charleston–North Charleston, SC	64	8.1	18	2,898	24	2,922	1,331	169.0
Charlotte–Concord–Gastonia, NC–SC	95	3.7	72	6,348	30	6,378	3,760	146.3
Chattanooga, TN–GA	22	3.9	65	1,382	3	1,385	601	107.2
Chicago–Naperville–Elgin, IL–IN–WI	544	5.7	31	39,652	264	39,916	14,328	150.8
Chicago Division	475	6.5	—	36,257	241	36,498	13,027	178.7
Elgin Division	9	1.4	—	825	9	834	220	34.5
Gary Division	33	4.7	—	1,488	9	1,497	599	85.4
Lake County Division	27	3.1	—	1,082	5	1,087	482	55.4
Cincinnati, OH–KY–IN	114	5.2	42	4,165	21	4,186	2,111	96.4
Cleveland–Elyria, OH	110	5.3	37	5,622	49	5,671	2,614	127.1
Colorado Springs, CO	21	2.8	84	774	5	779	412	55.8
Columbia, SC	93	11.2	7	4,799	25	4,824	2,296	275.7
Columbus, OH	112	5.3	38	5,088	25	5,113	2,546	120.9

Appendix. Stage 3 (AIDS), 2018 and cumulative, and persons living with diagnosed HIV infection ever classified as stage 3 (AIDS) (prevalence), year-end 2018, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence	Diagnosis, 2018 ^b			Diagnosis, cumulative ^{a,b}			Prevalence of stage 3 (AIDS), year-end 2018 ^c	
	No.	Rate ^d	Rank ^e	Adults or adolescents No.	Children No.	Total No.	No.	Rate ^d
Dallas–Fort Worth–Arlington, TX	545	7.2	22	28,824	66	28,890	13,944	184.9
Dallas Division	416	8.3	—	22,729	39	22,768	10,842	216.5
Fort Worth Division	129	5.1	—	6,095	27	6,122	3,102	122.5
Dayton, OH	37	4.6	52	1,705	14	1,719	821	101.8
Deltona–Daytona Beach–Ormond Beach, FL	48	7.3	21	2,186	18	2,204	1,111	168.4
Denver–Aurora–Lakewood, CO	133	4.5	55	8,835	25	8,860	3,951	134.7
Des Moines–West Des Moines, IA	13	2.0	97	806	4	810	462	70.5
Detroit–Warren–Dearborn, MI	213	4.9	47	14,071	79	14,150	5,125	118.5
Detroit Division	129	7.4	—	10,923	62	10,985	3,457	197.1
Warren Division	84	3.3	—	3,148	17	3,165	1,668	64.8
Durham–Chapel Hill, NC	34	5.9	28	1,734	10	1,744	897	155.9
El Paso, TX	33	3.9	67	2,232	10	2,242	1,142	135.1
Fayetteville–Springdale–Rogers, AR–MO	10	1.8	—	532	6	538	302	55.0
Fresno, CA	44	4.4	58	2,283	11	2,294	1,052	105.8
Grand Rapids–Wyoming, MI	28	2.6	89	1,268	6	1,274	604	56.5
Greensboro–High Point, NC	35	4.6	54	1,891	20	1,911	1,006	131.0
Greenville–Anderson–Mauldin, SC	48	5.3	41	2,189	7	2,196	1,115	123.0
Harrisburg–Carlisle, PA	18	3.1	76	1,688	9	1,697	398	69.3
Hartford–West Hartford–East Hartford, CT	46	3.8	71	5,937	46	5,983	2,202	182.5
Honolulu (Urban), HI	18	1.8	98	2,429	14	2,443	859	87.6
Houston–The Woodlands–Sugar Land, TX	631	9.0	12	36,244	182	36,426	15,500	221.5
Indianapolis–Carmel–Anderson, IN	119	5.8	30	5,666	28	5,694	2,782	135.8
Jackson, MS	79	13.6	3	3,792	31	3,823	1,566	269.9
Jacksonville, FL	146	9.5	9	8,642	78	8,720	3,829	249.5
Kansas City, MO–KS	104	4.9	48	6,158	17	6,175	2,553	119.1
Knoxville, TN	26	2.9	79	1,383	8	1,391	518	58.6
Lakeland–Winter Haven, FL	49	6.9	25	2,664	23	2,687	1,401	197.9
Lancaster, PA	11	2.0	—	934	23	957	288	53.0
Las Vegas–Henderson–Paradise, NV	181	8.1	19	6,906	28	6,934	4,029	180.5
Lexington–Fayette, KY	21	4.1	63	1,072	1	1,073	542	104.9
Little Rock–North Little Rock–Conway, AR	51	6.9	26	2,029	15	2,044	990	133.6

Appendix. Stage 3 (AIDS), 2018 and cumulative, and persons living with diagnosed HIV infection ever classified as stage 3 (AIDS) (prevalence), year-end 2018, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence	Diagnosis, 2018 ^b			Diagnosis, cumulative ^{a,b}			Prevalence of stage 3 (AIDS), year-end 2018 ^c	
	No.	Rate ^d	Rank ^e	Adults or adolescents No.	Children No.	Total No.	No.	Rate ^d
Los Angeles—Long Beach—Anaheim, CA	746	5.6	34	73,565	305	73,870	28,841	217.0
Anaheim Division	115	3.6	—	8,699	46	8,745	3,464	108.7
Los Angeles Division	631	6.2	—	64,866	259	65,125	25,377	251.1
Louisville/Jefferson County, KY—IN	72	5.5	35	3,463	30	3,493	1,660	128.0
Madison, WI	8	1.2	—	704	5	709	266	40.3
McAllen—Edinburg—Mission, TX	42	4.9	49	1,211	13	1,224	766	88.5
Memphis, TN—MS—AR	200	14.8	1	7,787	24	7,811	3,384	250.6
Miami—Fort Lauderdale—West Palm Beach, FL	856	13.8	2	71,080	1,011	72,091	27,556	444.5
Fort Lauderdale Division	290	14.9	—	21,779	266	22,045	10,126	518.9
Miami Division	436	15.8	—	37,174	514	37,688	12,843	465.1
West Palm Beach Division	130	8.7	—	12,127	231	12,358	4,587	308.7
Milwaukee—Waukesha—West Allis, WI	46	2.9	80	3,401	20	3,421	1,061	67.3
Minneapolis—St. Paul—Bloomington, MN—WI	109	3.0	77	6,170	23	6,193	3,248	89.5
Modesto, CA	21	3.8	70	941	6	947	474	86.2
Nashville—Davidson—Murfreesboro—Franklin, TN	86	4.5	57	5,357	27	5,384	2,428	125.7
New Haven—Milford, CT	44	5.1	44	5,177	74	5,251	2,015	235.0
New Orleans—Metairie, LA	162	12.8	5	11,610	78	11,688	4,120	324.3
New York—Newark—Jersey City, NY—NJ—PA ^f	1,631	8.2	17	228,980	2,993	231,973	77,783	389.3
Nassau County Division	100	3.5	—	9,558	117	9,675	3,519	123.9
New York Division	1,282	9.0	—	192,684	2,494	195,178	66,874	469.5
Newark Division	241	9.6	—	24,799	368	25,167	6,788	271.0
North Port—Sarasota—Bradenton, FL	32	3.9	68	2,543	29	2,572	1,117	136.0
Ogden—Clearfield, UT	8	1.2	—	347	4	351	201	29.8
Oklahoma City, OK	74	5.3	40	3,209	4	3,213	1,373	98.3
Omaha—Council Bluffs, NE—IA	26	2.8	86	1,469	5	1,474	165	17.5
Orlando—Kissimmee—Sanford, FL	290	11.3	6	12,519	95	12,614	6,232	242.2
Oxnard—Thousand Oaks—Ventura, CA	9	1.1	—	1,304	5	1,309	545	64.0
Palm Bay—Melbourne—Titusville, FL	32	5.4	36	1,912	12	1,924	912	152.8

Appendix. Stage 3 (AIDS), 2018 and cumulative, and persons living with diagnosed HIV infection ever classified as stage 3 (AIDS) (prevalence), year-end 2018, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence	Diagnosis, 2018 ^b			Diagnosis, cumulative ^{a,b}			Prevalence of stage 3 (AIDS), year-end 2018 ^c	
				Adults or adolescents	Children	Total		
	No.	Rate ^d	Rank ^e	No.	No.	No.	No.	Rate ^d
Philadelphia–Camden–Wilmington, PA–NJ–DE–MD	346	5.7	33	35,801	318	36,119	13,029	213.7
Camden Division	39	3.1	—	3,955	43	3,998	1,412	113.5
Montgomery County Division	55	2.8	—	2,994	12	3,006	693	35.0
Philadelphia Division	212	9.9	—	25,082	238	25,320	9,550	444.4
Wilmington Division	40	5.5	—	3,770	25	3,795	1,374	189.6
Phoenix–Mesa–Scottsdale, AZ	227	4.7	51	10,665	35	10,700	5,567	114.6
Pittsburgh, PA	58	2.5	94	4,187	22	4,209	1,482	63.7
Portland–South Portland, ME	10	1.9	—	764	2	766	423	79.0
Portland–Vancouver–Hillsboro, OR–WA	71	2.9	81	6,153	9	6,162	2,954	119.2
Providence–Warwick, RI–MA	56	3.5	74	4,884	44	4,928	1,464	90.3
Provo–Orem, UT	3	0.5	—	165	3	168	94	14.8
Raleigh, NC	70	5.1	43	3,237	20	3,257	1,797	131.9
Richmond, VA	107	8.2	16	4,694	35	4,729	1,423	108.9
Riverside–San Bernardino–Ontario, CA	208	4.5	56	11,489	63	11,552	7,531	162.9
Rochester, NY	32	3.0	78	3,735	17	3,752	1,611	150.4
Sacramento–Roseville–Arden–Arcade, CA	90	3.8	69	5,272	31	5,303	2,659	113.4
St. Louis, MO–IL	128	4.6	53	8,025	44	8,069	3,452	123.0
Salt Lake City, UT	28	2.3	96	2,085	9	2,094	962	78.7
San Antonio–New Braunfels, TX	156	6.2	27	7,337	32	7,369	3,511	139.4
San Diego–Carlsbad, CA	160	4.8	50	16,020	73	16,093	6,953	208.0
San Francisco–Oakland–Hayward, CA ^f	235	5.0	45	46,420	104	46,524	13,043	275.8
Oakland Division	104	3.7	—	12,224	54	12,278	4,889	173.6
San Francisco Division	128	7.7	—	32,487	45	32,532	7,690	465.3
San Jose–Sunnyvale–Santa Clara, CA	56	2.8	85	4,947	17	4,964	1,867	93.4
San Juan–Carolina–Caguas, PR	152	7.5	20	25,102	281	25,383	4,530	223.9
Scranton–Wilkes-Barre–Hazleton, PA	14	2.5	92	742	7	749	258	46.4
Seattle–Tacoma–Bellevue, WA	143	3.6	73	11,467	27	11,494	4,844	123.0
Seattle Division	120	3.9	—	10,096	18	10,114	4,096	134.4
Tacoma Division	23	2.6	—	1,371	9	1,380	748	83.9
Spokane–Spokane Valley, WA	8	1.4	—	703	1	704	365	63.6

Appendix. Stage 3 (AIDS), 2018 and cumulative, and persons living with diagnosed HIV infection ever classified as stage 3 (AIDS) (prevalence), year-end 2018, by metropolitan statistical area of residence—United States and Puerto Rico (cont)

MSA of residence	Diagnosis, 2018 ^b			Diagnosis, cumulative ^{a,b}			Prevalence of stage 3 (AIDS), year-end 2018 ^c	
				Adults or adolescents	Children	Total		
	No.	Rate ^d	Rank ^e	No.	No.	No.	No.	Rate ^d
Springfield, MA	26	4.1	62	2,620	28	2,648	1,189	188.2
Stockton–Lodi, CA	33	4.4	59	1,552	15	1,567	695	92.3
Syracuse, NY	17	2.6	90	1,632	10	1,642	738	113.5
Tampa–St. Petersburg–Clearwater, FL	262	8.3	15	15,274	117	15,391	6,954	221.3
Toledo, OH	32	5.3	39	1,133	14	1,147	504	83.6
Tucson, AZ	43	4.1	61	2,582	12	2,594	1,308	125.9
Tulsa, OK	25	2.5	93	2,083	12	2,095	949	95.5
Virginia Beach–Norfolk–Newport News, VA–NC	122	7.1	24	6,547	64	6,611	2,524	146.0
Washington–Arlington–Alexandria, DC–VA–MD–WV	562	9.0	13	42,139	336	42,475	15,797	252.8
Silver Spring Division	65	5.0	—	4,477	24	4,501	1,934	147.8
Washington Division	497	10.1	—	37,662	312	37,974	13,863	280.5
Wichita, KS	22	3.4	75	1,079	2	1,081	484	75.1
Winston–Salem, NC	60	8.9	14	1,518	11	1,529	855	127.3
Worcester, MA–CT	27	2.8	82	2,604	22	2,626	1,240	130.8
Youngstown–Warren–Boardman, OH–PA	13	2.4	95	788	0	788	361	67.0
Subtotal for MSAs (population of ≥500,000)	13,823	6.2	—	1,081,081	8,637	1,089,718	427,531	190.2
Metropolitan areas (population of 50,000–499,999)	2,228	3.8	—	127,146	868	128,014	55,006	92.6
Nonmetropolitan areas	1,256	2.7	—	67,767	440	68,207	30,280	65.5
Total^g	17,369	5.3	—	1,280,861	9,989	1,290,850	537,960	162.8

Abbreviations: MSA, metropolitan statistical area; CDC, Centers for Disease Control and Prevention [footnotes only].

Note. Because of the lack of U.S. census information for all U.S. dependent areas, table includes data for only the United States and Puerto Rico.

Data for the year 2018 are considered preliminary and are based on death data received by CDC through December 2019 (this applies to prevalence data).

MSA definitions for this report can be found at <http://www.census.gov/programs-surveys/metro-micro.html>.

Numbers less than 12, and rates based on these numbers, should be interpreted with caution.

^a From the beginning of the epidemic through 2018.

^b Data are based on residence at time of stage 3 (AIDS) classification.

^c Data are based on address of residence at the end of the specified year (i.e., most recent known address).

^d Rates are per 100,000 population.

^e Based on rate. Ranks were not assigned to MSAs with rates that were based on reported numbers less than 12.

^f Counts of stage 3 (AIDS) classifications for the metropolitan divisions do not sum to the MSA total. MSA total includes data from 1 metropolitan division with population of <500,000.

^g Includes persons whose county of residence is unknown.