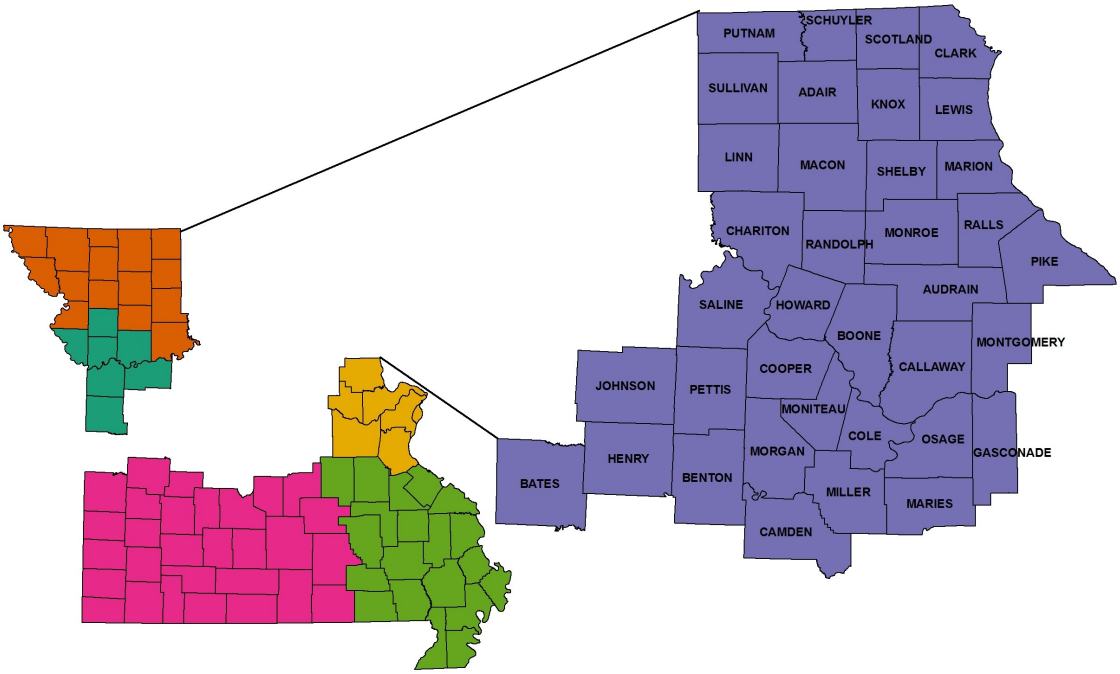
CENTRAL HIV CARE REGION



Population Counts, Central HIV Care Region, 2018

County	White		Black/African American		Hispanic		Asian/Pacific Islander		American Indian/Alaskan Native		Two or More Races/other Race		Total
Adair County	22,840	90.1%	722	2.8%	650	2.6%	592	2.3%	60	0.2%	475	1.9%	25,339
Audrain County	22,252	87.4%	1,747	6.9%	780	3.1%	150	0.6%	101	0.4%	443	1.7%	25,473
Bates County	15,361	94.1%	184	1.1%	351	2.2%	47	0.3%	101	0.6%	276	1.7%	16,320
Benton County	18,241	94.6%	99	0.5%	400	2.1%	89	0.5%	141	0.7%	308	1.6%	19,278
Boone County	140,978	78.3%	17,125	9.5%	6,356	3.5%	9,654	5.4%	594	0.3%	5,298	2.9%	180,005
Callaway County	40,436	90.1%	1,962	4.4%	988	2.2%	333	0.7%	217	0.5%	953	2.1%	44,889
Camden County	43,052	94.0%	311	0.7%	1,320	2.9%	296	0.6%	251	0.5%	585	1.3%	45,815
Chariton County	7,060	94.8%	177	2.4%	74	1.0%	19	0.3%	28	0.4%	93	1.2%	7,451
Clark County	6,613	96.7%	28	0.4%	66	1.0%	30	0.4%	12	0.2%	93	1.4%	6,842
Cole County	62,477	81.4%	9,331	12.2%	2,260	2.9%	1,067	1.4%	216	0.3%	1,445	1.9%	76,796
Cooper County	15,453	87.8%	1,230	7.0%	369	2.1%	113	0.6%	84	0.5%	354	2.0%	17,603
Gasconade County	14,109	95.9%	78	0.5%	221	1.5%	71	0.5%	39	0.3%	187	1.3%	14,705
Henry County	20,333	93.3%	274	1.3%	574	2.6%	103	0.5%	139	0.6%	369	1.7%	21,792
Howard County	9,160	90.4%	496	4.9%	160	1.6%	43	0.4%	65	0.6%	213	2.1%	10,137
Johnson County	45,955	85.7%	2,528	4.7%	2,424	4.5%	1,083	2.0%	278	0.5%	1,384	2.6%	53,652
Knox County	3,802	96.3%	21	0.5%	44	1.1%	14	0.4%	13	0.3%	53	1.3%	3,947
Lewis County	9,114	92.5%	302	3.1%	181	1.8%	48	0.5%	42	0.4%	168	1.7%	9,855
Linn County	11,401	94.7%	100	0.8%	306	2.5%	39	0.3%	30	0.2%	161	1.3%	12,037
Macon County	14,172	93.5%	361	2.4%	244	1.6%	78	0.5%	46	0.3%	252	1.7%	15,153
Maries County	8,356	95.3%	57	0.7%	108	1.2%	38	0.4%	63	0.7%	147	1.7%	8,769
Marion County	25,792	90.2%	1,335	4.7%	529	1.9%	232	0.8%	65	0.2%	639	2.2%	28,592
Miller County	23,993	94.7%	163	0.6%	499	2.0%	153	0.6%	138	0.5%	390	1.5%	25,336
Moniteau County	14,381	89.2%	640	4.0%	780	4.8%	65	0.4%	56	0.3%	199	1.2%	16,121
Monroe County	8,034	92.7%	229	2.6%	146	1.7%	37	0.4%	45	0.5%	173	2.0%	8,664
Montgomery County	19,140	96.4%	192	1.0%	231	1.2%	67	0.3%	28	0.1%	190	1.0%	19,848
Morgan County	19,140	94.0%	161	0.8%	486	2.4%	102	0.5%	131	0.6%	338	1.7%	20,358
Osage County	13,340	97.3%	50	0.4%	133	1.0%	36	0.3%	47	0.3%	108	0.8%	13,714
Pettis County	35,948	84.5%	1,289	3.0%	3,813	9.0%	459	1.1%	151	0.4%	882	2.1%	42,542
Pike County	16,262	87.9%	1,439	7.8%	431	2.3%	61	0.3%	39	0.2%	272	1.5%	18,504
Putnam County	4,556	95.8%	9	0.2%	105	2.2%	25	0.5%	9	0.2%	53	1.1%	4,757
Ralls County	9,747	95.4%	143	1.4%	130	1.3%	36	0.4%	24	0.2%	132	1.3%	10,212
Randolph County	22,002	88.9%	1,353	5.5%	535	2.2%	188	0.8%	100	0.4%	585	2.4%	24,763
Saline County	18,306	80.0%	1,176	5.1%	2,383	10.4%	422	1.8%	91	0.4%	517	2.3%	22,895
Schuyler County	4,448	96.7%	6	0.1%	70	1.5%	14	0.3%	12	0.3%	49	1.1%	4,599
Scotland County	4,825	97.2%	5	0.1%	52	1.0%	10	0.2%	16	0.3%	58	1.2%	4,966
Shelby County	5,736	94.8%	52	0.9%	132	2.2%	13	0.2%	23	0.4%	94	1.6%	6,050
Sullivan County	4,784	76.9%	203	3.3%	1,121	18.0%	22	0.4%	35	0.6%	56	0.9%	6,221
Region Total	**781,599**	**87.4%**	**45,578**	**5.1%**	**29,452**	**3.3%**	**15,849**	**1.8%**	**3,530**	**0.4%**	**17,992**	**2.0%**	**894,000**

Figure 1. HIV disease cases (living and deceased), by current HIV vs. stage 3 (AIDS) status, Central HIV Care Region, 1982—2019

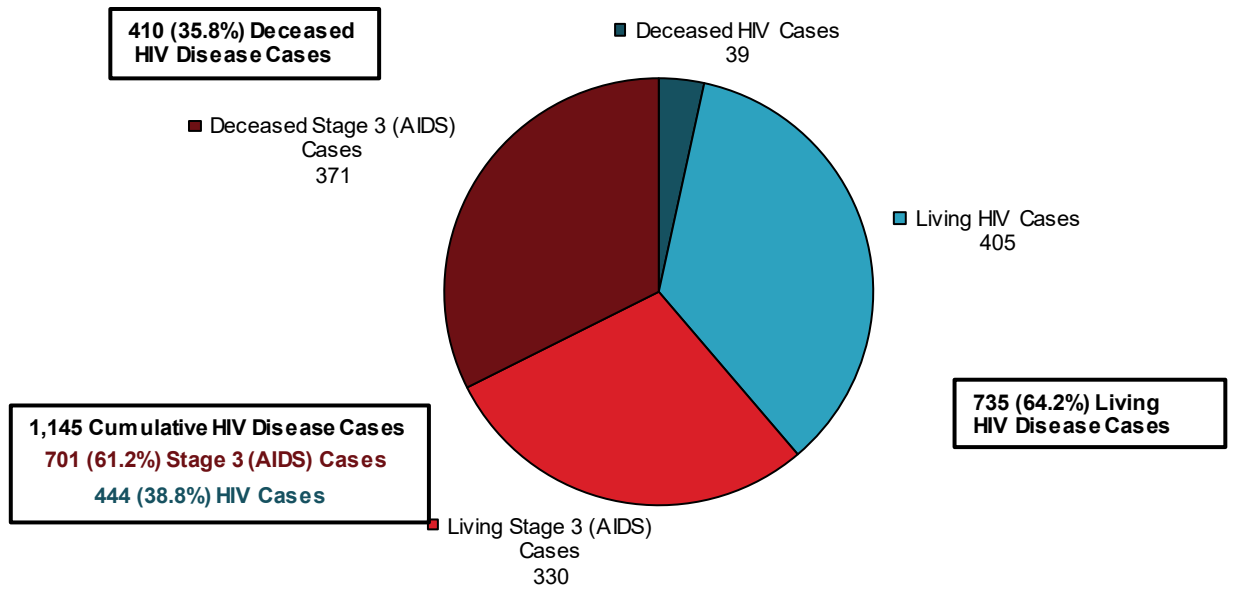
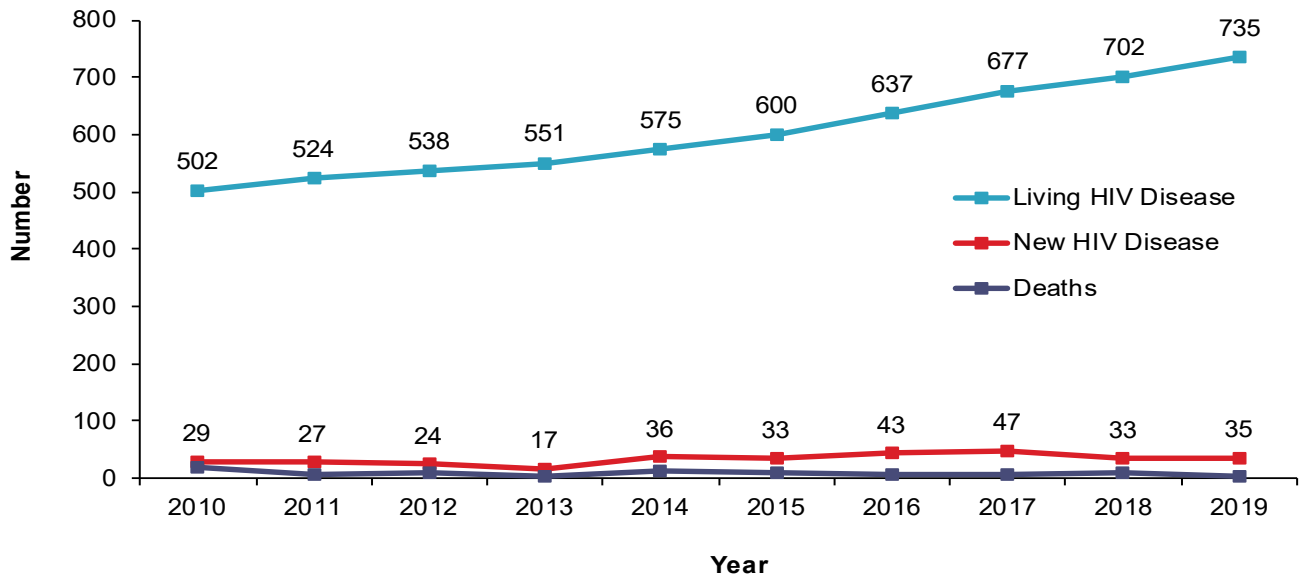


Figure 2. Living and new HIV disease cases and deaths by year*, Central HIV Care Region, 2010—2019

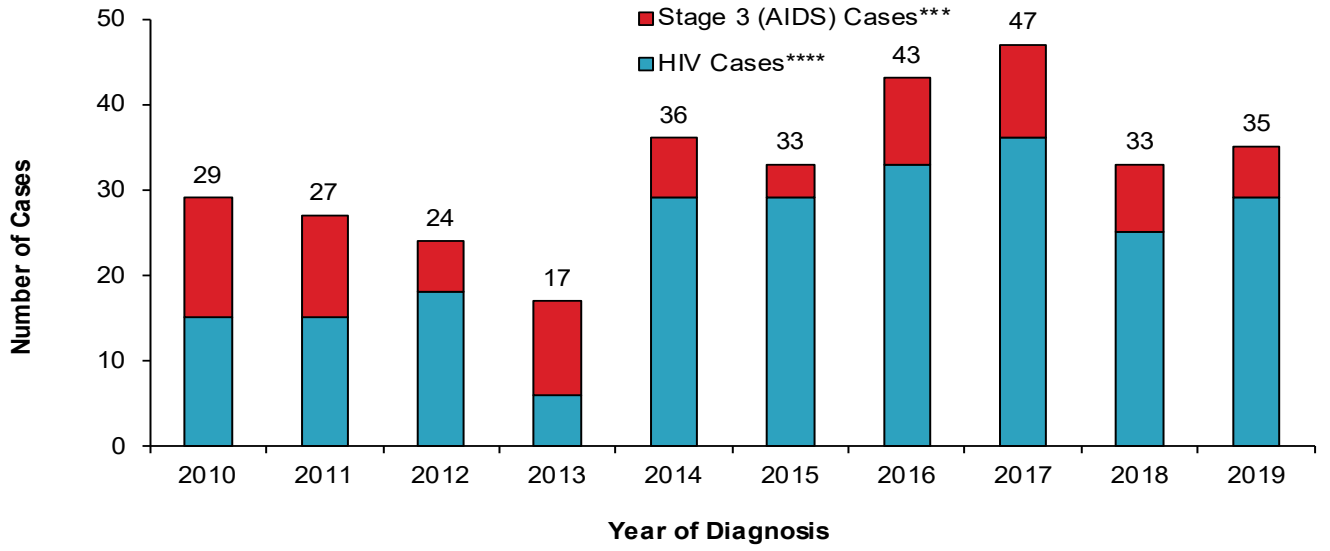


*For living HIV disease cases-the number of individuals living with HIV disease at the end of the year. For new HIV disease cases-the number of individuals newly diagnosed in the year. For HIV disease deaths-the number of individuals that died in the year.

From 1982 to 2019, there have been a total of 1,145 HIV disease cases diagnosed in the Central HIV Care Region and reported to MDHSS (Figure 1). Of the cumulative cases reported, 64.2% were still presumed to be living with HIV disease at the end of 2019. Among those living with HIV disease, 405 were classified as HIV cases at the end of 2019 and 330 were classified as stage 3 (AIDS) cases.

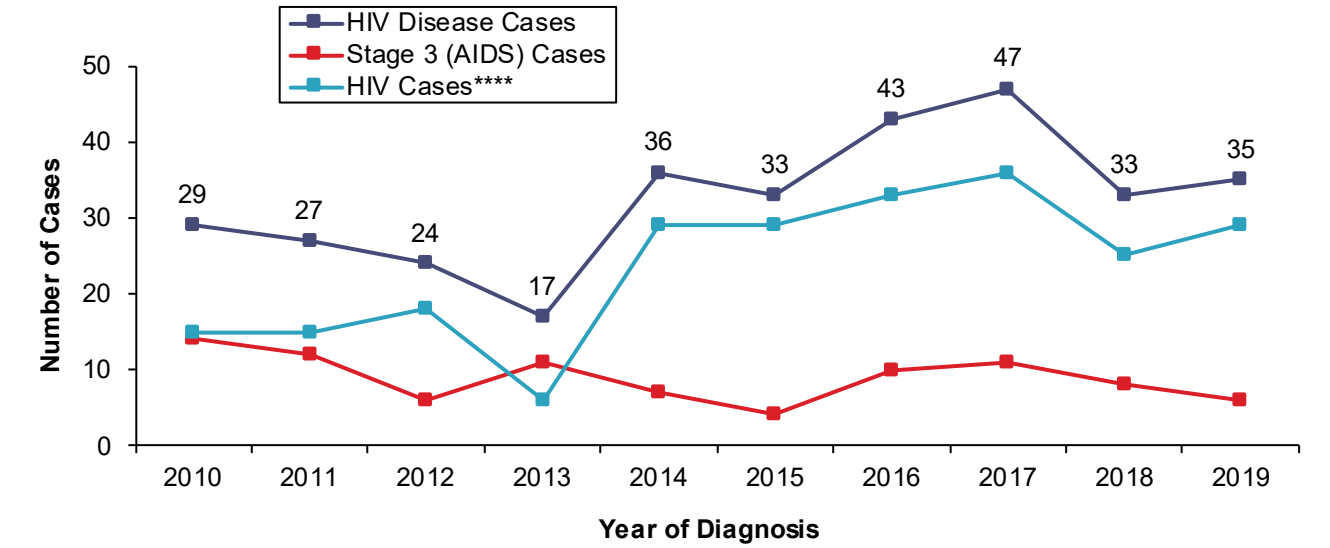
At the end of 2019, there were 735 persons living with HIV disease whose most recent diagnosis occurred in the Central HIV Care Region (Figure 2). The number of people living with HIV disease increased every year from 2010 to 2019. There were 35 new HIV disease diagnoses in 2019. The number of new diagnoses and the number of deaths among persons with HIV disease has remained generally stable.

Figure 3. HIV disease cases, by current status* and year of diagnosis, Central HIV Care Region, 2010—2019**



*HIV case vs. stage 3 (AIDS) case
**Cases are indicated by year of initial diagnosis reported to MDHSS. (The year in which the first diagnosis of the person, whether as an HIV case or a stage 3 (AIDS) case, was documented by the Department).
***These cases were either: 1) initially reported as HIV cases and then later reclassified as stage 3 (AIDS) cases because they subsequently met the stage 3 (AIDS) case definition; or 2) initially reported as stage 3 (AIDS) cases.
****These cases were initially reported as HIV cases and have remained HIV cases. They have not met the case definition for stage 3 (AIDS) as of December 31, 2019.

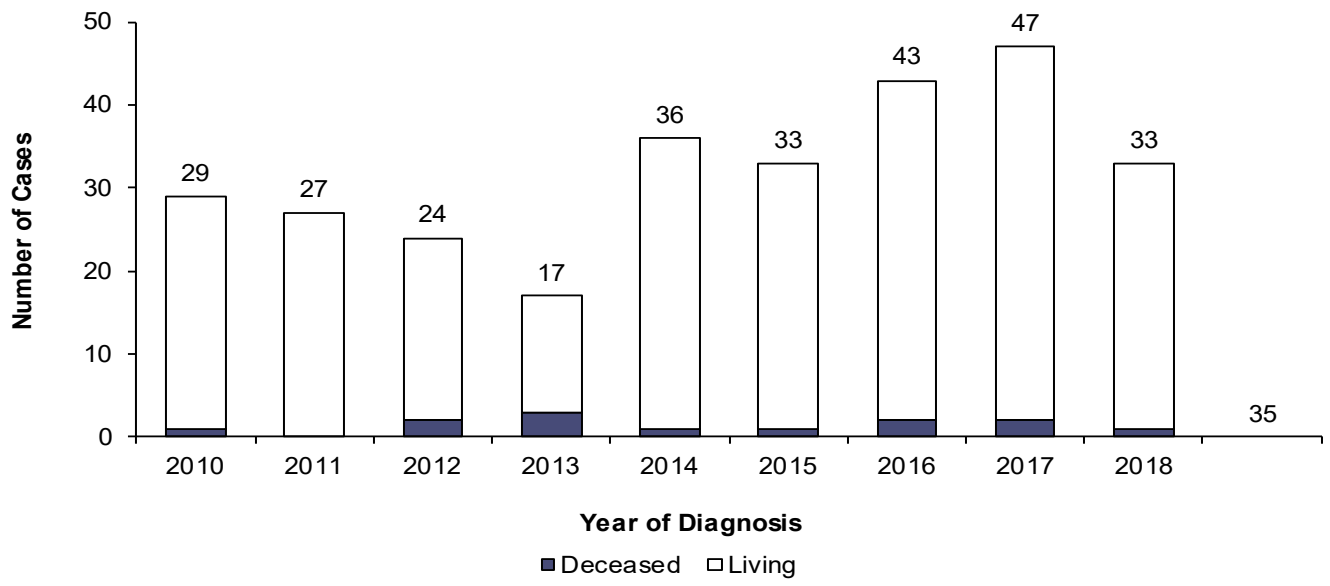
Figure 4. Reported HIV disease cases, by current status* and year of diagnosis, Central HIV Care Region, 2010—2019**



*HIV case vs. stage 3 (AIDS) case
**Cases are indicated by year of initial diagnosis reported to MDHSS. (The year in which the first diagnosis of the person, whether as an HIV case or a stage 3 (AIDS) case, was documented by the Department).
***These cases were either: 1) initially reported as HIV cases and then later reclassified as stage 3 (AIDS) cases because they subsequently met the stage 3 (AIDS) case definition; or 2) initially reported as stage 3 (AIDS) cases.
****These cases were initially reported as HIV cases and have remained HIV cases. They have not met the case definition for stage 3 (AIDS) as of December 31, 2019.

The number of new diagnoses was generally stable, with slight fluctuations seen from 2010-2019 in the Central HIV Care Region; most notably decreases in 2013 and 2018 and the increases in 2014, 2016, and 2017 (Figures 3 and 4). Differences in the number of persons sub-classified as stage 3 (AIDS) cases each year are due to the progression of the disease over time.

Figure 5. Persons diagnosed with HIV disease by current vital status* and year of diagnosis, Central HIV Care Region, 2010—2019**



*Vital status on December 31, 2019.
**Cases are indicated by year of initial diagnosis reported to MDHSS. (The year in which the first diagnosis of the person, whether as an HIV case or an stage 3 (AIDS) case, was documented by the Department).

Of the 29 persons diagnosed with HIV disease in 2010, one (3%) were deceased by the end of 2019 (Figure 5). Among the 35 persons first diagnosed in 2019, no deaths have been reported to MDHSS. The difference in the proportion of cases that are deceased is due to the length of time individuals have been living with the disease.

Table 1. Living† HIV, stage 3 (AIDS), and HIV disease cases, by sex, by race/ethnicity, by race/ethnicity and sex, and by current age, Central HIV Care Region, 2019

	HIV*			Stage 3 (AIDS)**			HIV Disease***		
	Cases	%	Rate****	Cases	%	Rate****	Cases	%	Rate****
Sex									
Male	321	79.3%	72.6	251	76.1%	56.8	572	77.8%	129.4
Female	84	20.7%	18.9	79	23.9%	17.8	163	22.2%	36.7
Total	**405**	**100.0%**	**45.7**	**330**	**100.0%**	**37.3**	**735**	**100.0%**	**83.0**
Race/Ethnicity									
White	270	66.7%	34.9	212	64.2%	27.4	482	65.6%	62.3
Black/African American	101	24.9%	221.6	93	28.2%	204.0	194	26.4%	425.6
Hispanic	20	4.9%	67.9	21	6.4%	71.3	41	5.6%	139.2
Asian/Pacific Islander	5	1.2%	31.5	3	0.9%	18.9	8	1.1%	50.5
American Indian/Alaskan Native	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Two or More Races/Unknown	9	2.2%	--	1	0.3%	--	10	1.4%	--
Total	**405**	**100.0%**	**45.7**	**330**	**100.0%**	**37.3**	**735**	**100.0%**	**83.0**
Race/Ethnicity-Males									
White Male	216	67.3%	56.4	168	66.9%	43.8	384	67.1%	100.2
Black/African American Male	74	23.1%	295.8	64	25.5%	255.8	138	24.1%	551.6
Hispanic Male	19	5.9%	123.6	17	6.8%	110.6	36	6.3%	234.1
Asian/Pacific Islander Male	4	1.2%	53.7	2	0.8%	26.9	6	1.0%	80.6
American Indian/Alaskan Native Male	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Two or More Races/Unknown Male	8	2.5%	--	0	0.0%	--	8	1.4%	--
Total	**321**	**100.0%**	**72.6**	**251**	**100.0%**	**56.8**	**572**	**100.0%**	**129.4**
Race/Ethnicity-Females									
White Female	54	64.3%	13.8	44	55.7%	11.3	98	60.1%	25.1
Black/African American Female	27	32.1%	131.3	29	36.7%	141.0	56	34.4%	272.4
Hispanic Female	1	1.2%	7.1	4	5.1%	28.4	5	3.1%	35.5
Asian/Pacific Islander Female	1	1.2%	11.9	1	1.3%	11.9	2	1.2%	23.8
American Indian/Alaskan Native Female	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Two or More Races/Unknown Female	1	1.2%	--	1	1.3%	--	2	1.2%	--
Total	**84**	**100.0%**	**18.9**	**79**	**100.0%**	**17.8**	**163**	**100.0%**	**36.7**
Current Age‡									
<2	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
2-12	4	1.0%	3.4	1	0.3%	0.8	5	0.7%	4.2
13-18	4	1.0%	5.9	1	0.3%	1.5	5	0.7%	7.4
19-24	20	5.1%	21.8	4	1.2%	4.4	24	3.3%	26.1
25-44	194	49.1%	89.8	73	22.1%	33.8	267	36.8%	123.6
45-64	152	38.5%	67.6	218	66.1%	97.0	370	51.0%	164.6
65+	21	5.3%	13.4	33	10.0%	21.0	54	7.4%	34.3
Total	**395**	**100.0%**	**44.0**	**330**	**100.0%**	**36.8**	**725**	**100.0%**	**80.8**

†Includes persons diagnosed with HIV disease in the Central HIV Care Region who are currently living, regardless of current residence.
*Cases which remained HIV cases at the end of 2019.
**Cases classified as stage 3 (AIDS) by December 31, 2019.
***The sum of HIV cases and stage 3 (AIDS) cases.
****Per 100,000 population based on 20188 MDHSS estimates.
‡Based on age as of December 31, 2019
Note: Percentages may not total due to rounding.

Table 2. Diagnosed HIV, stage 3 (AIDS), and HIV disease cases, by sex, by race/ethnicity, by race/ethnicity and sex, and current age, Central HIV Care Region, 2019

	HIV*			Stage 3 (AIDS)**			HIV Disease***		
	Cases	%	Rate****	Cases	%	Rate****	Cases	%	Rate****
Sex									
Male	24	82.8%	5.4	4	66.7%	0.9	28	80.0%	6.3
Female	5	17.2%	1.1	2	33.3%	0.5	7	20.0%	1.6
Total	**29**	**100.0%**	**3.3**	**6**	**100.0%**	**0.7**	**35**	**100.0%**	**4.0**
Race/Ethnicity									
White	15	51.7%	1.9	2	33.3%	0.3	17	48.6%	2.2
Black/African American	7	24.1%	15.4	3	50.0%	6.6	10	28.6%	21.9
Hispanic	3	10.3%	10.2	0	0.0%	0.0	3	8.6%	10.2
Asian/Pacific Islander	0	0.0%	0.0	1	16.7%	6.3	1	2.9%	6.3
American Indian/Alaskan Native	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Two or More Races/Unknown	4	13.8%	--	0	0.0%	--	4	11.4%	--
Total	**29**	**100.0%**	**3.3**	**6**	**100.0%**	**0.7**	**35**	**100.0%**	**4.0**
Race/Ethnicity-Males									
White Male	13	54.2%	3.4	2	50.0%	0.5	15	53.6%	3.9
Black/African American Male	4	16.7%	16.0	2	50.0%	8.0	6	21.4%	24.0
Hispanic Male	3	12.5%	19.5	0	0.0%	0.0	3	10.7%	19.5
Asian/Pacific Islander Male	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
American Indian/Alaskan Native Male	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Two or More Races/Unknown Male	4	16.7%	--	0	0.0%	--	4	14.3%	--
Total	**24**	**100.0%**	**5.4**	**4**	**100.0%**	**0.9**	**28**	**100.0%**	**6.3**
Race/Ethnicity-Females									
White Female	2	33.3%	0.5	0	--	0.0	2	25.0%	0.5
Black/African American Female	3	50.0%	14.6	1	50.0%	4.9	4	50.0%	19.5
Hispanic Female	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Asian/Pacific Islander Female	0	0.0%	0.0	1	50.0%	11.9	1	12.5%	11.9
American Indian/Alaskan Native Female	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Two or More Races/Unknown Female	1	16.7%	--	0	0.0%	--	1	12.5%	--
Total	**6**	**100.0%**	**1.4**	**2**	**100.0%**	**0.5**	**8**	**100.0%**	**1.8**
Current Age‡									
<2	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
2-12	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
13-18	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
19-24	8	27.6%	8.7	0	0.0%	0.0	8	22.9%	8.7
25-44	15	51.7%	6.9	3	50.0%	1.4	18	51.4%	8.3
45-64	6	20.7%	2.7	3	50.0%	1.3	9	25.7%	4.0
65+	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Total	**29**	**100.0%**	**3.2**	**6**	**100.0%**	**0.7**	**35**	**100.0%**	**3.9**

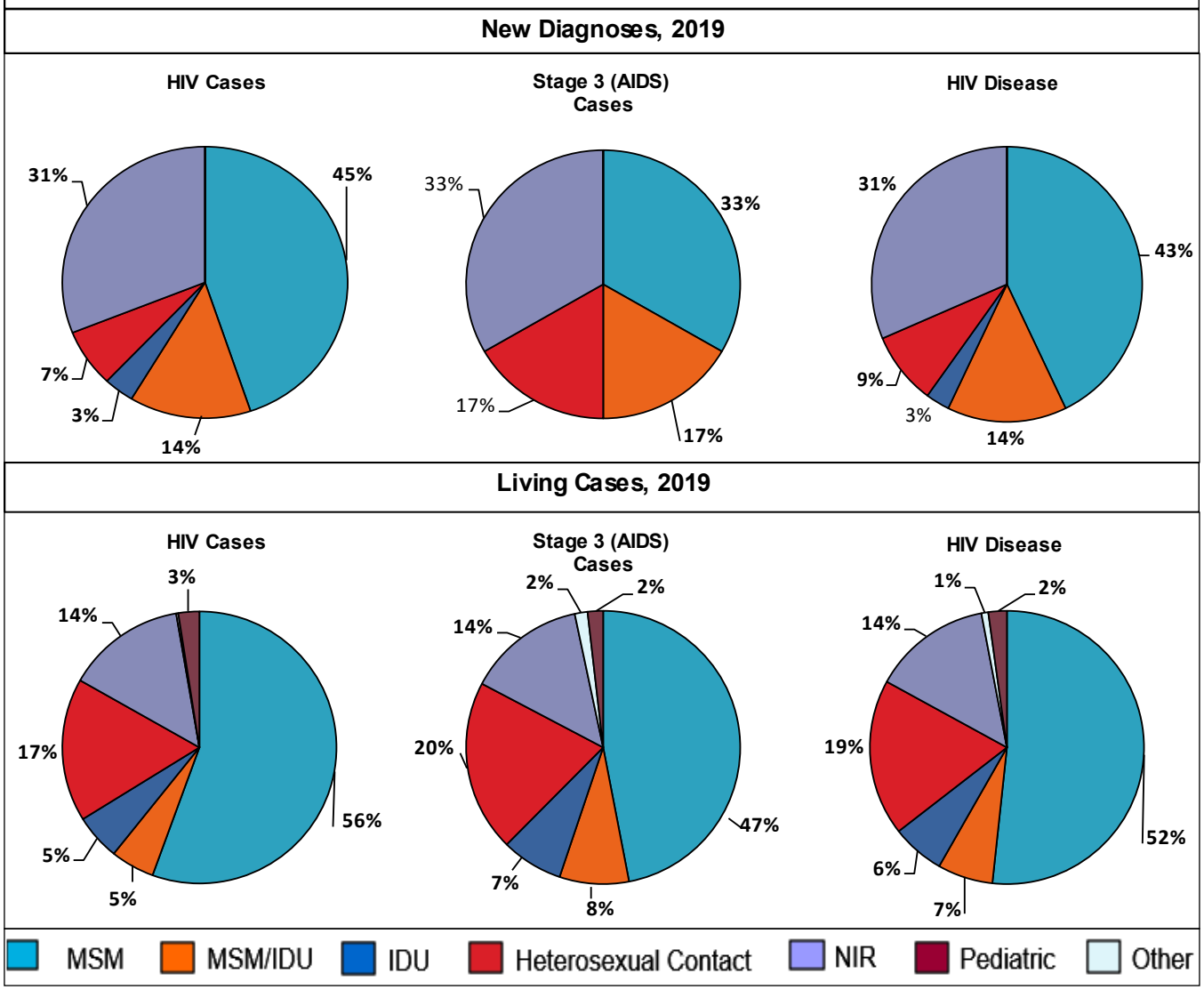
*HIV cases diagnosed during 2019 which remained HIV cases at the end of the year.
**Stage 3 (AIDS) cases initially diagnosed in 2019.
***The sum of newly diagnosed HIV cases and newly diagnosed stage 3 (AIDS) cases. Does not include cases diagnosed prior to 2019 with HIV, which progressed to stage 3 (AIDS) in 2019.
****Per 100,000 population based on 2018 MDHSS estimates.
‡Based on age as of December 31, 2019.
Note: Percentages may not total due to rounding.

Epi Profiles Summary: Central HIV Care Region

Of the 735 persons living with HIV disease at the end of 2019, 77.8% were males (Table 1). The rate of those living with HIV disease was 3.5 times as high among males compared to females. Although whites represented the largest proportion of living HIV disease cases (65.6%), the rate of those living with HIV disease among blacks/African Americans was 6.8 times as high as the rate among whites. The rate was 2.2 times as high among Hispanics compared to whites. Among males, the rate of living cases was 5.5 times as high among blacks/African Americans compared to whites, and 2.3 times as high among Hispanics compared to whites. Among females, the rate of those living with HIV disease was 10.9 times as high among blacks/African Americans compared to whites, and 1.4 times as high among Hispanics compared to whites.

Of the 35 persons newly diagnosed with HIV disease in 2019, 17.1% were classified as stage 3 (AIDS) cases by the end of 2019 (Table 2). Males represented 80% of new diagnoses. Whites represented the majority of all new HIV disease cases.

Figure 6. Diagnosed and living HIV, stage 3 (AIDS), and HIV disease cases by exposure category, Central HIV Care Region, 2019



Newly diagnosed stage 3 (AIDS) cases with a known risk were attributed to MSM, IDU, and heterosexual contact in equal proportion (Figure 6). Among the remaining categories, the largest proportion of cases with a known risk was attributed to MSM. The large proportion of cases with no indicated risk made trends difficult to interpret for all categories. The surveillance program examined methods to improve the identification and reporting of exposure category information.

Table 3. New and living HIV and stage 3 (AIDS) cases and rates, by geographic area, Central HIV Care Region, 2019

	HIV Cases						Stage 3 (AIDS) Cases					
	Diagnosed 2018*			Living			Diagnosed 2018**			Living		
Geographic Area	Cases	%	Rate***	Cases	%	Rate***	Cases	%	Rate***	Cases	%	Rate***
Boone County	14	48.3%	7.8	164	40.5%	91.1	2	33.3%	1.1	127	38.5%	70.6
Cole County	6	20.7%	7.8	15	3.7%	19.5	0	0.0%	0.0	11	3.3%	14.3
Callaway County	4	13.8%	8.9	58	14.3%	129.2	1	16.7%	2.2	27	8.2%	60.1
Marion County	1	3.4%	3.5	3	0.7%	10.5	0	0.0%	0.0	4	1.2%	14.0
Pettis County	0	0.0%	0.0	10	2.5%	23.5	0	0.0%	0.0	8	2.4%	18.8
Gasconade County	0	0.0%	0.0	12	3.0%	81.6	0	0.0%	0.0	19	5.8%	129.2
Remainder of Region	4	13.8%	0.8	143	35.3%	28.7	3	50.0%	0.6	134	40.6%	26.9
CENTRAL HIV CARE REGION TOTAL	**29**	**100.0%**	**3.3**	**405**	**100.0%**	**45.7**	**6**	**100.0%**	**0.7**	**330**	**100.0%**	**37.3**

*HIV cases diagnosed and reported to the Department during 2019 which remained HIV cases at the end of the year.
**Does not include HIV cases diagnosed prior to 2014 that progressed to stage 3 (AIDS) in 2019.
***Per 100,000 population based on 2018 MDHSS estimates.
Note: Percentages may not total due to rounding.

The number of persons newly diagnosed that remained classified as HIV cases at the end of 2019 was greatest in Boone County (9) (Table 3). The number of persons newly diagnosed that progressed to stage 3 (AIDS) by the end of 2019 was the greatest in Boone County (48.3%). The rate of persons living with HIV disease among those classified as HIV cases was highest in Calloway County and those classified as stage 3 (AIDS) cases was highest in Gasconade County compared to other areas in the Central HIV Care Region.

Table 4. Newly diagnosed and living HIV and stage 3 (AIDS) cases in men who have sex with men, by selected race/ethnicity, Central HIV Care Region, 2019

	HIV Cases*				AIDS Cases			
	Newly Diagnosed		Living		Newly Diagnosed**		Living	
Race/Ethnicity	Cases	%	Cases	%	Cases	%	Cases	%
White	7	53.8%	156	69.3%	1	50.0%	115	74.2%
Black/African American	4	30.8%	51	22.7%	1	50.0%	31	20.0%
Hispanic	2	15.4%	15	6.7%	0	--	7	4.5%
Other/Unknown	0	0.0%	3	1.3%	0	--	2	1.3%
CENTRAL HIV CARE REGION TOTAL	**13**	**100.0%**	**225**	**100.0%**	**2**	**100.0%**	**155**	**100.0%**

*Remained HIV cases at the end of the year.
**Does not include HIV cases diagnosed prior to 2019 that progressed to stage 3 (AIDS) in 2019.
Note: Percentages may not total due to rounding.

Table 5. Living HIV disease cases in men who have sex with men, by selected race/ethnicity, by current age group, Central HIV Care Region, 2019

	White		Black/African American		Hispanic		Total*	
Age Group	Cases	%**	Cases	%**	Cases	%**	Cases	%**
13-18	0	0.0%	0	0.0%	0	0.0%	0	0.0%
19-24	15	5.5%	13	15.9%	1	4.5%	29	7.6%
25-44	89	32.8%	37	45.1%	12	54.5%	142	37.4%
45-64	146	53.9%	28	8.0%	9	40.9%	183	48.2%
65+	21	7.7%	4	4.9%	0	0.0%	26	6.8%
CENTRAL HIV CARE REGION TOTAL	**271**	**100.0%**	**82**	**100.0%**	**22**	**100.0%**	**380**	**100.0%**

*Row totals and percentages include cases in persons whose race/ethnicity is either unknown or not listed.
**Percentage of cases per age group.
Note: Percentages may not total due to rounding.

Table 6. Living HIV disease cases in men who have sex with men, by selected race/ethnicity, by geographic area, Central HIV Care Region, 2019

	White		Black/African American		Hispanic		Total*	
Geographic Area	Cases	%**	Cases	%**	Cases	%**	Cases	%***
Boone County	118	68.2%	40	23.1%	11	6.4%	173	45.5%
Cole County	20	45.5%	21	47.7%	3	6.8%	44	11.6%
Remaining Counties	133	81.6%	21	12.9%	8	4.9%	163	42.9%
CENTRAL HIV CARE REGION TOTAL	**271**	**71.3%**	**82**	**21.6%**	**22**	**5.8%**	**380**	**100.0%**

*Row totals and percentages include cases in persons whose race/ethnicity is either unknown or not listed.
**Percentage of race/ethnicity in each area.
***Percentage of cases per area.
Note: Percentages may not total due to rounding.

There were a total of 13 new HIV disease diagnoses attributed to MSM in 2019 for the Central HIV Care Region (Table 4). Whites represented the largest number of total new HIV disease diagnoses. There were 156 living HIV disease cases attributed to MSM in the Central HIV Care Region. White MSM represented the greatest proportion among living HIV and stage 3 (AIDS) cases.

The distribution of living HIV disease cases by current age varied by race/ethnicity among MSM (Table 5). Among white MSM living with HIV disease, the greatest proportions were between 45-64 years of age at the end of 2019 (53.9%). In contrast, the greatest proportions of black/African American (45.1%) and Hispanic (54.5%) MSM living with HIV disease were between 25-44 years old. There were differences in the distribution of living cases by race/ethnicity among the geographic areas for MSM (Table 6). A greater proportion of MSM living with HIV disease were black/African American in Cole County (47.7%) compared to Boone County (23.1%) and the remainder of the Central HIV Care Region (12.9%).

Table 7. Newly diagnosed and living HIV and stage 3 (AIDS) cases in men who have sex with men and inject drugs, by selected race/ethnicity, Central HIV Care Region, 2019

	HIV Cases*				Stage 3 (AIDS) Cases			
	Newly Diagnosed		Living		Newly Diagnosed**		Living	
Race/Ethnicity	Cases	%	Cases	%	Cases	%	Cases	%
White	3	75.0%	19	90.5%	1	100.0%	21	77.8%
Black/African American	0	0.0%	1	4.8%	0	0.0%	3	11.1%
Hispanic	0	0.0%	0	0.0%	0	0.0%	3	11.1%
Other/Unknown	1	25.0%	1	4.8%	0	0.0%	0	0.0%
CENTRAL HIV CARE REGION TOTAL	**4**	**100.0%**	**21**	**100.0%**	**1**	**100.0%**	**27**	**100.0%**

*Remained HIV cases at the end of the year.
**Does not include HIV cases diagnosed prior to 2019 that progressed to stage 3 (AIDS) in 2019.
Note: Percentages may not total due to rounding.

Table 8. Living HIV disease cases in men who have sex with men and inject drugs, by selected race/ ethnicity, by current age group, Central HIV Care Region, 2019

	White		Black/African American		Hispanic		Total*	
Age Group	Cases	%**	Cases	%**	Cases	%**	Cases	%**
13-18	0	0.0%	0	0.0%	0	0.0%	0	0.0%
19-24	2	5.0%	0	0.0%	0	0.0%	2	4.2%
25-44	14	35.0%	1	25.0%	2	66.7%	18	37.5%
45-64	21	52.5%	3	75.0%	1	33.3%	25	52.1%
65+	3	7.5%	0	0.0%	0	0.0%	3	6.3%
CENTRAL HIV CARE REGION TOTAL	**40**	**100.0%**	**4**	**100.0%**	**3**	**100.0%**	**48**	**100.0%**

*Row totals and percentages include cases in persons whose race/ethnicity is either unknown or not listed.
**Percentage of cases per age group.
Note: Percentages may not total due to rounding.

Table 9. Living HIV disease cases in men who have sex with men and inject drugs, by geographic area, Central HIV Care Region, 2019

Geographic Area	Cases	%
Boone County	23	47.9%
Cole County	5	10.4%
Marion County	2	4.2%
Pettis County	4	8.3%
Remaining Counties	14	29.2%
CENTRAL HIV CARE REGION TOTAL	**48**	**100.0%**

There was four new HIV disease diagnosis attributed to MSM/IDU in 2019 for the Central HIV Care Region (Table 7). There were 48 MSM/IDU living with HIV disease at the end of 2019 whose most recent diagnosis occurred in the Central HIV Care Region. The largest proportions of both living HIV and stage 3 (AIDS) cases were white.

The distribution of living HIV disease cases by current age varied by race/ethnicity among MSM/IDU (Table 8). The number of living cases among whites and black/African American was greatest among those 45-64 years of age. Among Hispanics whose infections were attributed to MSM/IDU, the greatest number was between 25-44 years of age, although the number of cases was small (2).

The largest numbers of MSM/IDU living with HIV disease in the Central HIV Care Region were most recently diagnosed in Boone County (23) (Table 9).

Table 10. Newly diagnosed and living HIV and stage 3 (AIDS) cases in injecting drug users, by selected race/ethnicity and sex, Central HIV Care Region, 2019

	HIV Cases*				Stage 3 (AIDS) Cases			
	Newly Diagnosed		Living		Newly Diagnosed**		Living	
Race/Ethnicity and Sex	Cases	%	Cases	%	Cases	%	Cases	%
White Male	0	0.0%	11	50.0%	0	0.0%	8	33.3%
Black/African American Male	0	0.0%	0	0.0%	1	100.0%	7	29.2%
Hispanic Male	0	0.0%	0	0.0%	0	0.0%	2	8.3%
White Female	1	100.0%	9	40.9%	0	0.0%	5	20.8%
Black/African American Female	0	0.0%	2	9.1%	0	0.0%	2	8.3%
Hispanic Female	0	0.0%	0	0.0%	0	0.0%	0	0.0%
CENTRAL HIV CARE REGION TOTAL†	**1**	**100.0%**	**22**	**100.0%**	**1**	**100.0%**	**24**	**100.0%**

*Remained HIV cases at the end of the year.
**Does not include HIV cases diagnosed prior to 2019 that progressed to stage 3 (AIDS) in 2019.
†Includes persons whose race/ethnicity is either unknown or not listed.
Note: Percentages may not total due to rounding.

Table 11. Living HIV disease cases in injecting drug users, by selected race/ethnicity, by current age group, Central HIV Care Region, 2019

	White Males		Black/African American Males		White Females		Black/African American Females		Total*	
Age Group	Cases	%**	Cases	%**	Cases	%**	Cases	%**	Cases	%**
13-18	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
19-24	0	0.0%	0	0.0%	1	7.1%	0	0.0%	1	2.2%
25-44	3	15.8%	1	14.3%	7	50.0%	1	25.0%	13	28.3%
45-64	15	78.9%	6	85.7%	6	42.9%	3	75.0%	31	67.4%
65+	1	5.3%	0	0.0%	0	0.0%	0	0.0%	1	2.2%
CENTRAL HIV CARE REGION TOTAL	**19**	**100.0%**	**7**	**100.0%**	**14**	**100.0%**	**4**	**100.0%**	**46**	**100.0%**

*Row totals and percentages include cases in persons whose race/ethnicity is either unknown or not listed.
**Percentage of cases per age group.
Note: Percentages may not total due to rounding.

Table 12. Living HIV disease cases in injecting drug users, by geographic area, Central HIV Care Region, 2019

Geographic Area	Cases	%
Boone County	11	23.9%
Cole County	3	6.5%
Marion County	2	4.3%
Pettis County	3	6.5%
Remaining Counties	27	58.7%
CENTRAL HIV CARE REGION TOTAL	**46**	**100.0%**

There were one new HIV disease diagnoses attributed to IDU in 2019 for the Central HIV Care Region (Table 10). There were 46 living HIV disease cases attributed to IDU at the end of 2019 in the Central HIV Care Region. Of persons living with HIV disease, 52.17% were classified as stage 3 (AIDS) at the end of 2019. The largest proportion of both living HIV and stage 3 (AIDS) cases were white males (50%, 33.3% respectively).

Overall, the largest numbers of persons living with HIV disease among IDU in the Central HIV Care Region were between 45-64 years of age at the end of 2019 (21) (Table 11).

The largest numbers of IDU living with HIV disease in the Central HIV Care Region were most recently diagnosed in the Boone County (11) (Table 12).

Table 13. Newly diagnosed and living HIV and stage 3 (AIDS) cases in heterosexual contacts, by selected race/ethnicity and sex, Central HIV Care Region, 2019

	HIV Cases*				Stage 3 (AIDS) Cases			
	Newly Diagnosed		Living		Newly Diagnosed**		Living	
Race/Ethnicity and Sex	Cases	%	Cases	%	Cases	%	Cases	%
White Male	0	0.0%	9	13.2%	0	0.0%	3	4.5%
Black/African American Male	0	0.0%	6	8.8%	0	0.0%	11	16.4%
Hispanic Male	0	0.0%	0	0.0%	0	0.0%	0	0.0%
White Female	1	100.0%	36	52.9%	0	0.0%	34	50.7%
Black/African American Female	0	0.0%	13	19.1%	1	100.0%	15	22.4%
Hispanic Female	0	0.0%	1	1.5%	0	0.0%	3	4.5%
CENTRAL HIV CARE REGION TOTAL†	**1**	**100.0%**	**68**	**100.0%**	**1**	**100.0%**	**67**	**100.0%**

*Remained HIV cases at the end of the year.
**Does not include HIV cases diagnosed prior to 2019 that progressed to stage 3 (AIDS) in 2019.
†Includes persons whose race/ethnicity is either unknown or not listed.
Note: Percentages may not total due to rounding.

Table 14. Living HIV disease cases in heterosexual contacts, by selected race/ethnicity and sex, by current age group, Central HIV Care Region, 2019

	White Males		Black/African American Males		White Females		Black/African American Females		Total*	
Age Group	Cases	%**	Cases	%**	Cases	%**	Cases	%**	Cases	%**
13-18	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
19-24	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
25-44	3	25.0%	4	23.5%	28	40.0%	9	32.1%	47	34.6%
45-64	7	58.3%	11	64.7%	37	52.9%	16	57.1%	77	56.6%
65+	2	16.7%	2	11.8%	5	7.1%	3	10.7%	12	8.8%
CENTRAL HIV CARE REGION TOTAL	**12**	**100.0%**	**17**	**100.0%**	**70**	**100.0%**	**28**	**100.0%**	**136**	**100.0%**

*Row totals and percentages include cases in persons whose race/ethnicity is either unknown or not listed.
**Percentage of cases per age group.
Note: Percentages may not total due to rounding.

Table 15. Living HIV disease cases in heterosexual contacts, by selected race/ethnicity, by geographic area, Central HIV Care Region, 2019

	White		Black/African American		Hispanic		Total*	
Geographic Area	Cases	%**	Cases	%**	Cases	%**	Cases	%***
Boone County	21	53.8%	16	41.0%	1	2.6%	39	28.7%
Cole County	7	36.8%	11	57.9%	0	0.0%	19	14.0%
Remaining Counties	54	69.2%	18	23.1%	3	3.8%	78	57.4%
CENTRAL HIV CARE REGION TOTAL	**82**	**60.3%**	**45**	**33.1%**	**4**	**2.9%**	**136**	**100.0%**

*Row totals and percentages include cases in persons whose race/ethnicity is either unknown or not listed.
**Percentage of race in each area.
***Percentage of cases per area.
Note: Percentages may not total due to rounding.

There were one new HIV disease diagnoses attributed to heterosexual contact in 2019 for the Central HIV Care Region (Table 13). There were 136 persons living with HIV disease attributed to heterosexual contact at the end of 2019 in the Central HIV Care Region. White females represented the largest proportion of both living HIV and stage 3 (AIDS) cases among heterosexual contact cases.

At the end of 2019, the number of heterosexual contact cases living with HIV disease was greatest among those between 45-64 years of age (Table 14).

There were differences in the distribution of persons living with HIV disease by race/ethnicity among the geographic areas for heterosexual contact cases (Table 15). In Boone and Cole County white heterosexual contact cases comprised a larger proportion of persons living with HIV disease compared to the remainder of the region.

Figure 7. Reported P&S syphilis cases, by race and sex, by age group at diagnosis, Central HIV Care Region, 2019

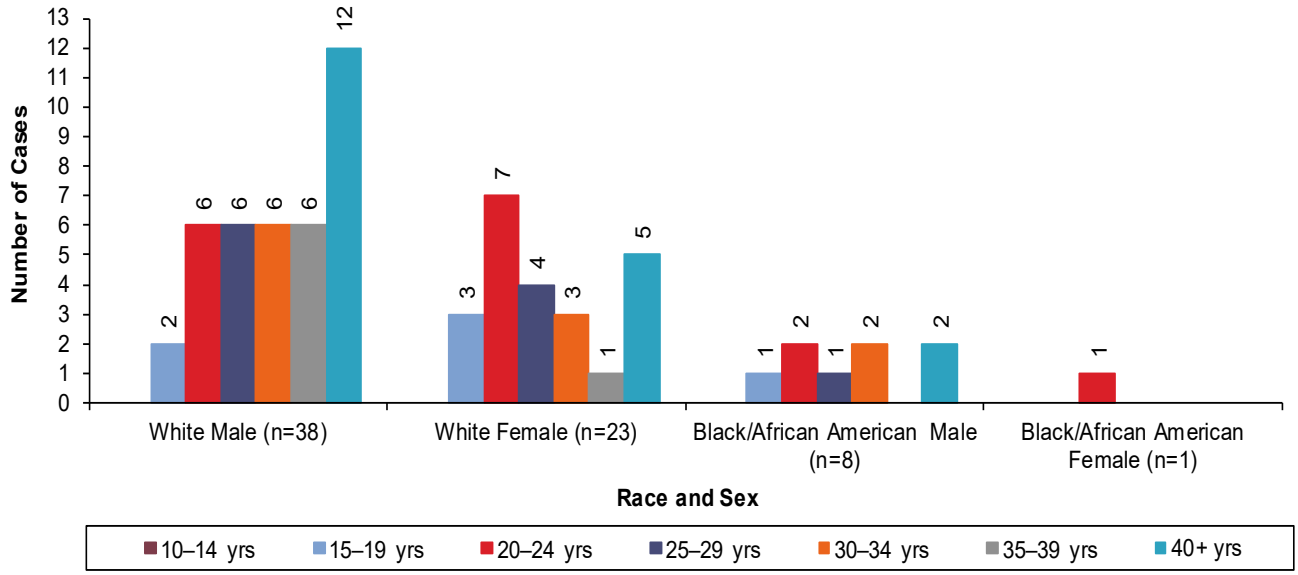
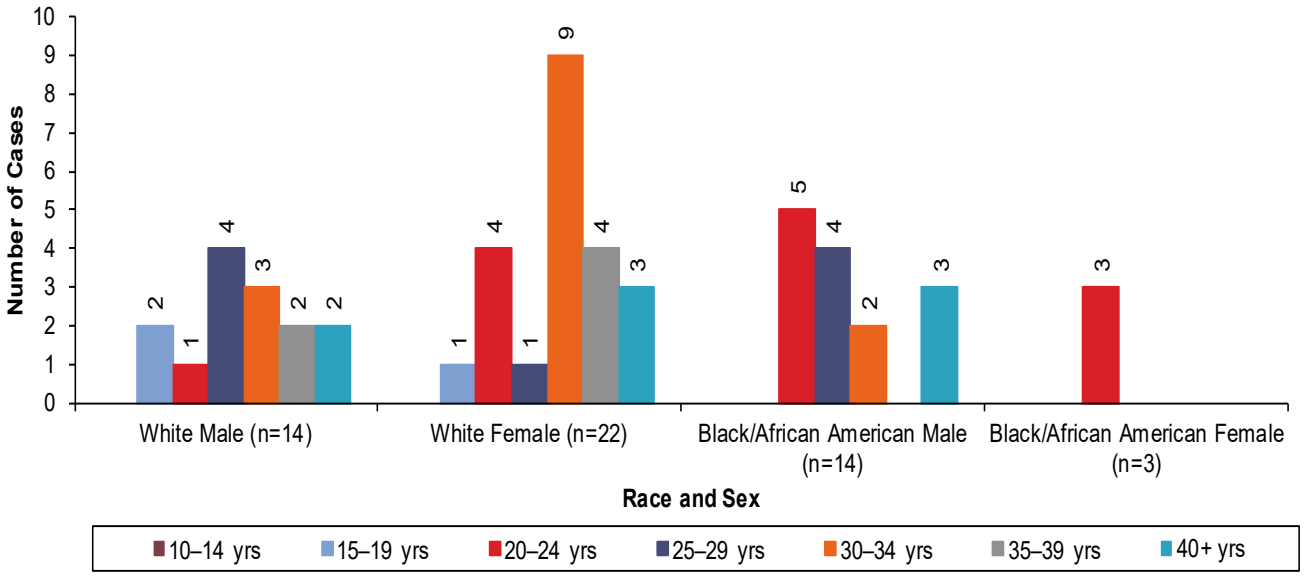


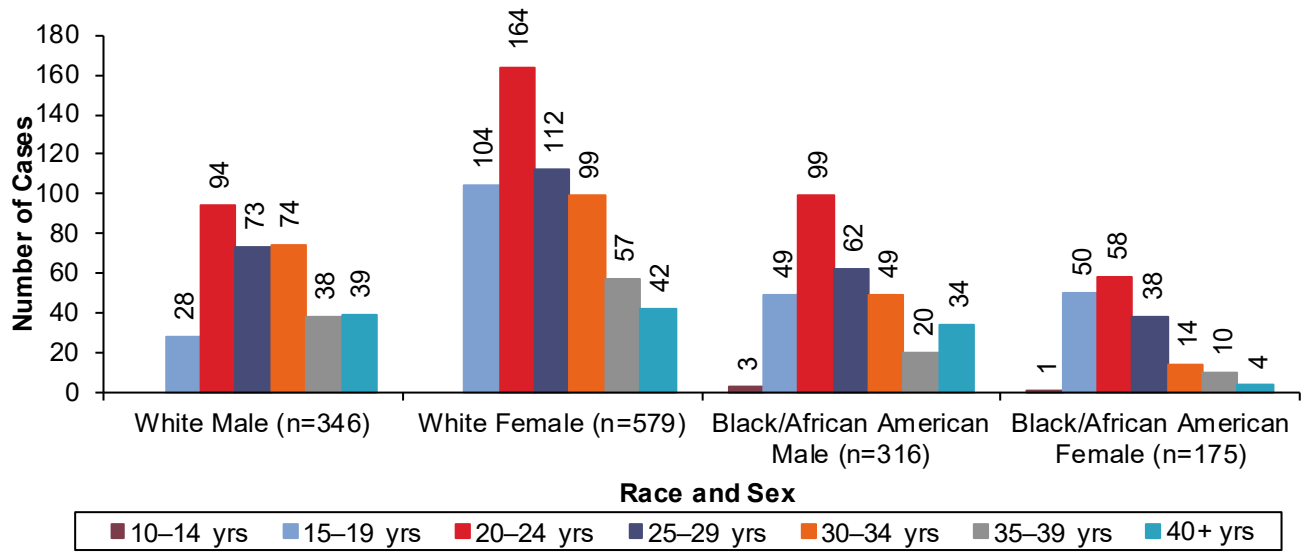
Figure 8. Reported early latent syphilis cases, by race and sex, by age group at diagnosis, Central HIV Care Region, 2019



In the Central HIV Care Region, there were 70 P&S syphilis cases reported in 2019. The largest number of reported P&S syphilis cases were reported among white males (38) followed by white females (23) in 2019. (Figure 7).

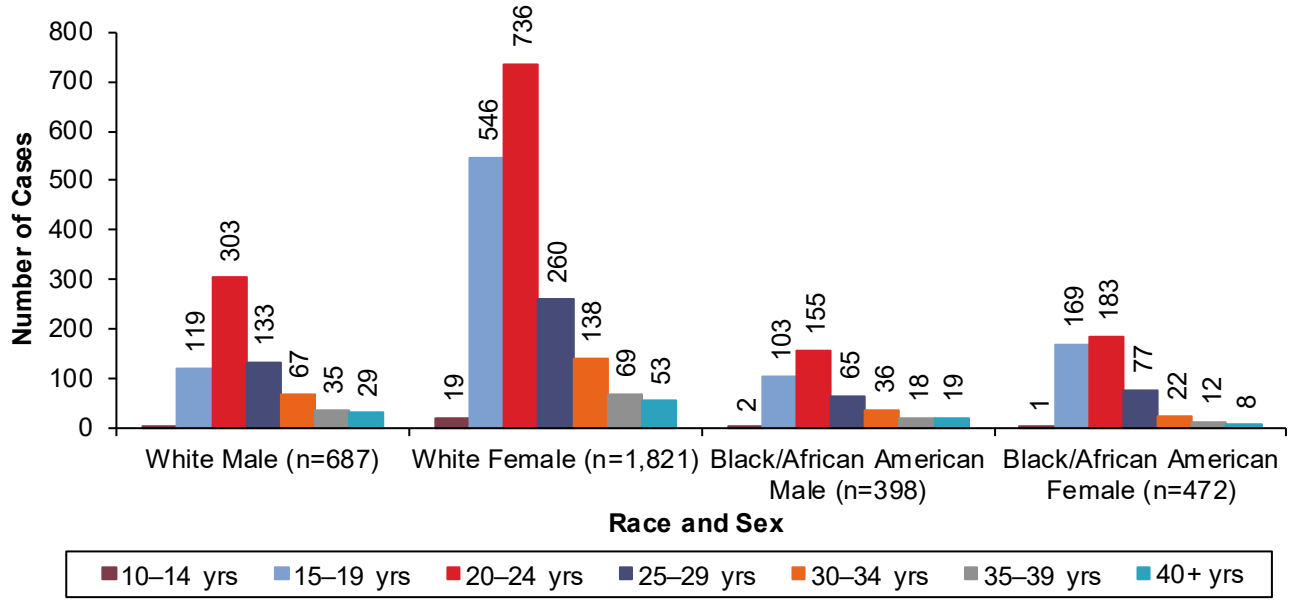
In Central HIV Care Region, there were 53 reported early latent syphilis cases in 2019. The number of reported early latent syphilis cases increased in 2019 among white females (22), black/African American males (14), and white males (14) (Figure 8).

Figure 9. Reported gonorrhea cases, by race and sex, by age group at diagnosis, Central HIV Care Region, 2019



Note: Totals include persons diagnosed at <10 years of age or whose age at diagnosis is unknown.

Figure 10. Reported chlamydia cases, by race and sex, by age group at diagnosis, Central HIV Care Region, 2019

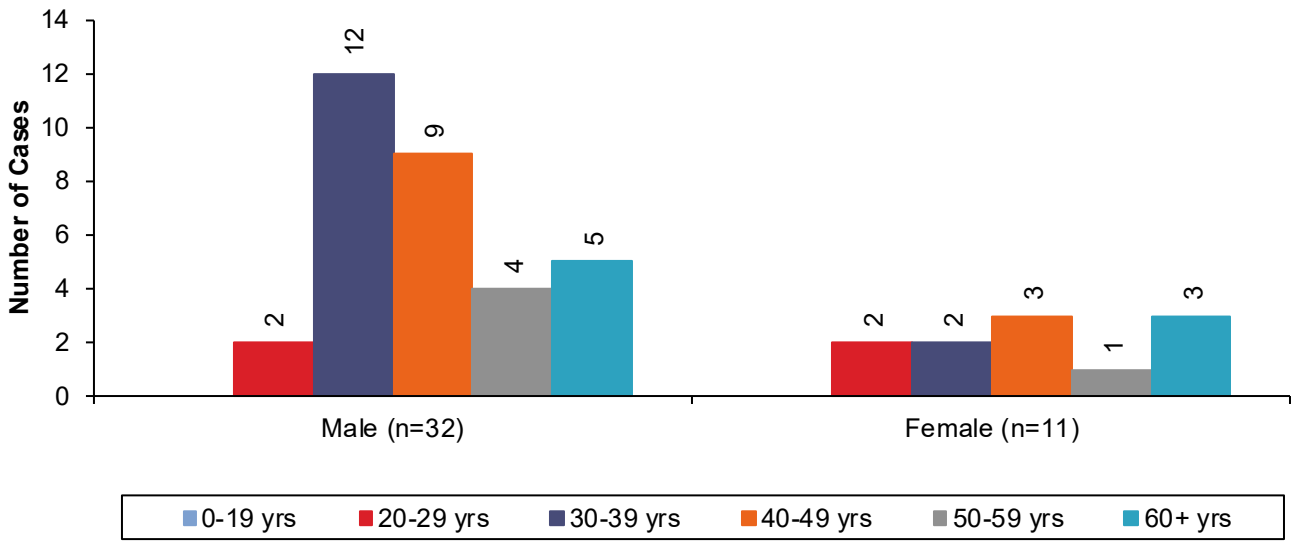


Note: Totals include persons diagnosed at <10 years of age or whose age at diagnosis is unknown.

The largest number of gonorrhea cases was reported among white females (579) followed by white males (346) (Figure 9). The largest number of reported cases was diagnosed between 20-24 years of age among all race/ethnicity and sex categories presented.

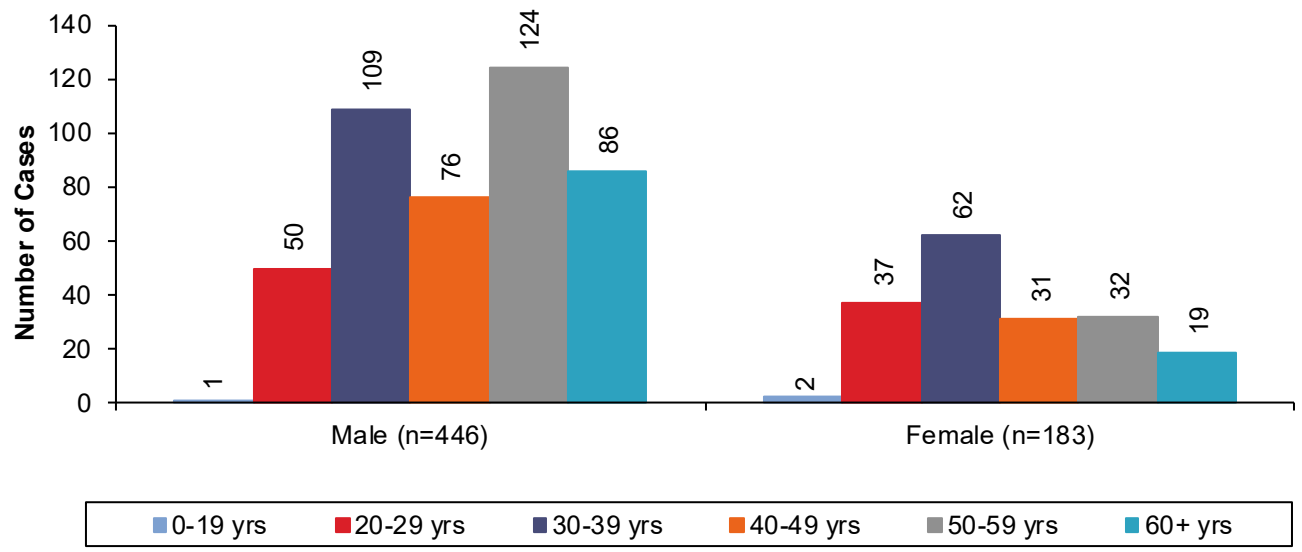
The largest number of chlamydia cases was reported among white females (1,821) followed by white males (687) (Figure 10). The largest number of reported cases was diagnosed between 20-24 years of age among all race/ethnicity and sex categories presented.

Figure 11. Reported hepatitis B cases, by sex and by age group at diagnosis, Central HIV Care Region, 2019



Note: Totals include persons whose age at diagnosis is unknown.

Figure 12. Reported hepatitis C cases, by sex and by age group at diagnosis, Central HIV Care Region, 2019



Note: Totals include persons whose age at diagnosis is unknown.

There were 43 reported cases of hepatitis B in the Central HIV Care Region during 2019 (Figure 11). Males represented 74.4% of reported hepatitis B cases. There were differences in the age distribution of reported hepatitis B cases by sex. Among males, the highest proportion of cases was 30-39 year olds. Among females, the highest proportion of cases was between 40-49 year olds.

In 2019, there were 629 hepatitis C cases reported in the Central HIV Care Region (Figure 12). Of the reported hepatitis C cases, 70.9% were male. There were differences in the age distribution of reported hepatitis C cases among males and females. Among males, the largest numbers of cases were reported among persons 50-59 years and older at age of diagnosis. Among females, the largest numbers of cases were reported among persons 30-39 years of age at diagnosis.