

## HIV Surveillance Report — Alaska, 1982–2017

From January 1, 1982 through December 31, 2017, 1,832 cases of human immunodeficiency virus (HIV) infection were reported to the Alaska Section of Epidemiology (SOE), including cases with an initial diagnosis in Alaska and those previously diagnosed out-of-state who are living in Alaska (Table). During 2017, 75 cases of HIV infection were reported to SOE; 29 (39%) of which were initially diagnosed in Alaska, yielding a 2017 statewide incidence rate of 4 cases per 100,000 persons. This HIV Surveillance Report contains summary data and highlights for cumulative cases reported from 1982 through 2017 (n=1,832), incident cases diagnosed in Alaska in 2017 (n=29), and persons living with HIV in Alaska as of December 31, 2017 (n=710). Additional information about HIV cases in Alaska can be found in the Epidemiologic Profile 1982–2015 (available at:

<http://dhss.alaska.gov/dph/Epi/hivstd/Documents/HIVProfile1982-2015.pdf>).

**Table. Summary of Reported Cases of HIV by Select Characteristics — Alaska, 1982–2017**

	1982–2017				2017			
	All Reported Cases n=1,832		Reported Cases First Diagnosed in Alaska n=1,224		All Reported Cases n=75		Reported Cases First Diagnosed in Alaska n=29	
	Male	Female	Male	Female	Male	Female	Male	Female
HIV (non-AIDS)	496	150	305	108	38	9	15	6
HIV with AIDS	974	212	656	155	22	6	6	2
<b>TOTAL #</b>	<b>1,470</b>	<b>362</b>	<b>961</b>	<b>263</b>	<b>60</b>	<b>15</b>	<b>21</b>	<b>8</b>
<b>Age at Diagnosis in Years, #</b>								
<14	12	11	8	5	0	0	0	0
15–24	224	68	121	43	23	3	7	1
25–34	570	127	351	93	19	5	9	3
35–44	435	89	293	65	11	5	2	2
45–54	167	49	133	41	5	0	2	0
55–64	48	15	42	13	2	2	1	2
≥65	14	3	13	3	0	0	0	0
<b>Race/Ethnicity, #</b>								
American Indian/ Alaska Native (AI/AN)	247	121	212	115	9	5	8	5
Asian	25	18	13	12	2	0	0	0
Black	191	60	106	31	13	3	3	1
Hispanic	142	29	81	19	11	2	3	0
Native Hawaiian/ Pacific Islander (NH/PI)	8	2	7	1	0	0	0	0
White	828	126	531	82	25	5	7	2
Multi-race (Multi)	29	6	11	3	0	0	0	0
<b>Transmission Category, #</b>								
Male-to-Male Sex Injection Drug Use (IDU)	936	0	612	0	47	0	16	0
Male-to-Male Sex and IDU	136	70	92	45	1	4	1	2
Heterosexual Contact	143	0	68	0	3	0	2	0
Perinatal	97	252	73	189	4	10	1	6
Other/Not Specified	7	11	4	5	0	0	0	0
	151	29	112	24	5	1	1	0
<b>Residence at Time of Diagnosis, #</b>								
Anchorage/Mat-Su Gulf Coast	674	161	674	161	12	3	12	3
Interior	57	13	57	13	2	0	2	0
Northern	91	34	91	34	1	0	1	0
Southeast	16	8	16	8	1	0	1	0
Southwest	60	24	60	24	1	1	1	1
Alaska-Not Specified	45	18	45	18	2	3	2	3
Out of State/Country	19	5	18	5	2	1	2	1
	508	99	0	0	39	7	0	0



## Cumulative Reported Cases of HIV, 1982–2017

### Highlights Cumulative HIV Cases 1982–2017, n=1,832

- 1,186 (65%) ever had a diagnosis of AIDS
- 644 (35%) are known to have died
- 1,470 (80%) were male
- 936 (51%) were men who have sex with men (MSM); 349 (19%) were heterosexual (Hetero)
- 954 (52%) were White; 368 (20%) were Alaska Native/American Indian; 251 (14%) were Black
- 1,224 (67%) had an initial diagnosis in Alaska; 835 (68%) of those were living in Anchorage/Mat-Su at the time of diagnosis

Figure 1. Cumulative Reported Cases of HIV and Known Deaths by 5 Year increments, Alaska — 1982–2017

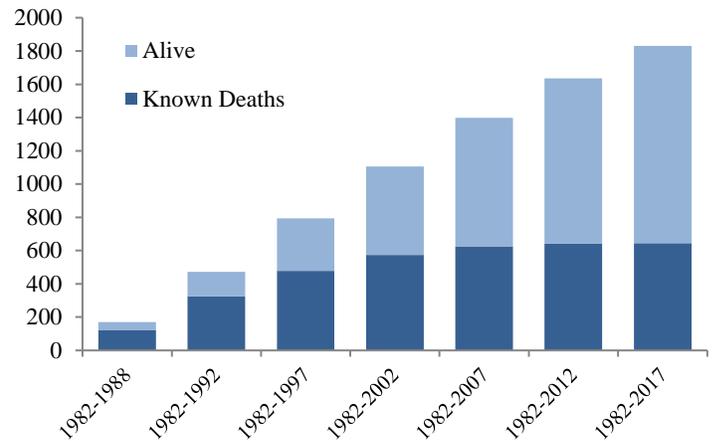


Figure 2. Cumulative Reported Cases of HIV by Age at Diagnosis and Gender, Alaska — 1982–2017

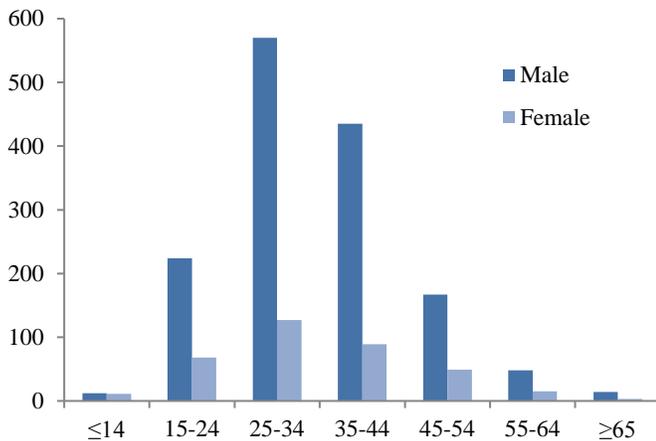


Figure 3. Cumulative Reported Cases of HIV by Race/Ethnicity and Gender, Alaska — 1982–2017

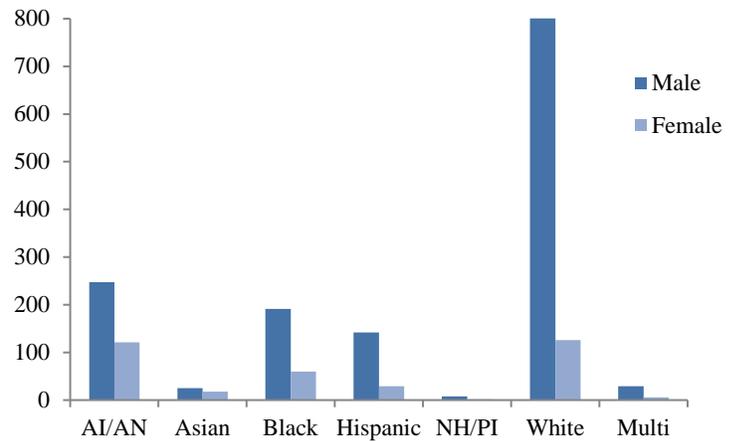


Figure 4. Cumulative Reported Cases of HIV by Transmission Category, Alaska — 1982–2017

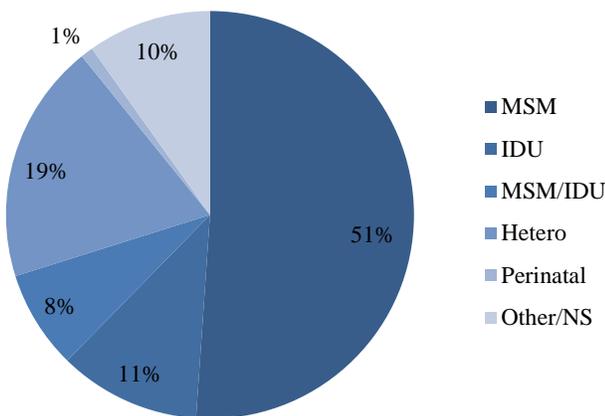
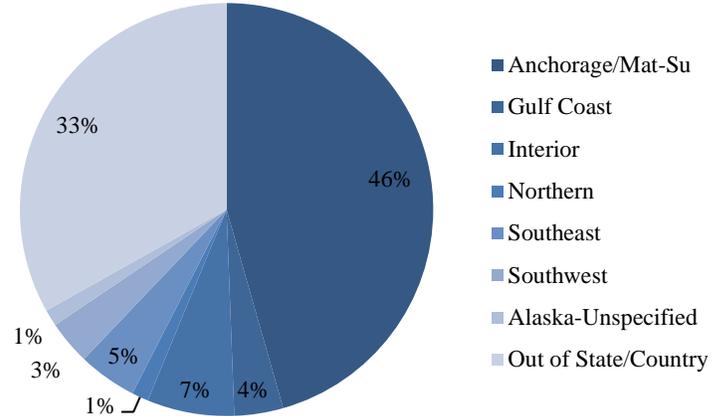


Figure 5. Cumulative Reported Cases of HIV by Residence at Diagnosis, Alaska — 1982–2017



## Reported Cases of HIV Newly Diagnosed in Alaska, 2017

### Highlights Newly Diagnosed HIV Cases 2017, n=29

- 8 (28%) were also diagnosed with AIDS at the time of initial diagnosis
- None are known to have died
- 21 (72%) were male
- 16 (55%) were men who have sex with men (MSM); 7 (24%) were heterosexual; 5 (17%) reported injection drug use
- 13 (46%) were Alaska Native/American Indian; 9 (32%) were White; 3 (11%) were Black; 3 (11%) were Hispanic/Latino
- 20 (69%) were 34 years old or younger at the time of diagnosis
- 15 (51%) were living in Anchorage/Mat-Su at the time of diagnosis

Figure 6. Reported Cases of HIV Newly Diagnosed in Alaska by Year — 2008–2017

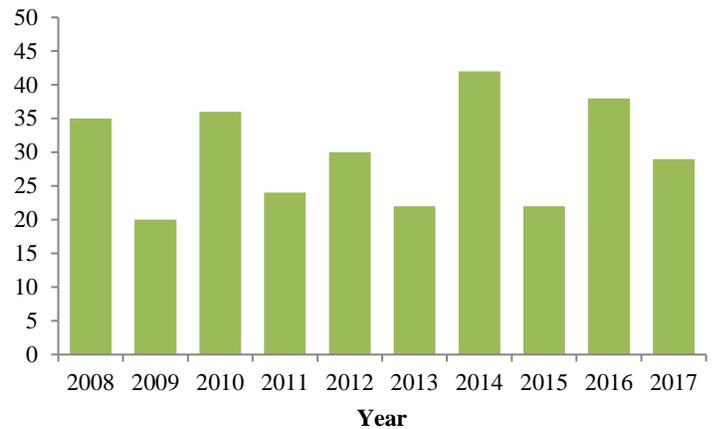


Figure 7. Reported Cases of HIV Newly Diagnosed in Alaska by Age at Diagnosis and Gender, 2017

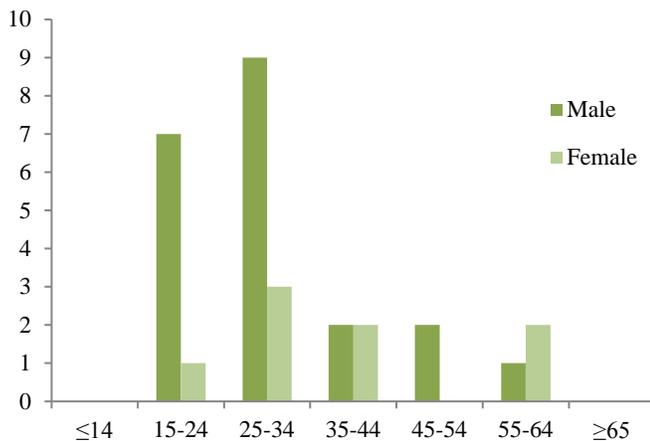


Figure 9. Reported Cases of HIV Newly Diagnosed in Alaska by Transmission Category, 2017

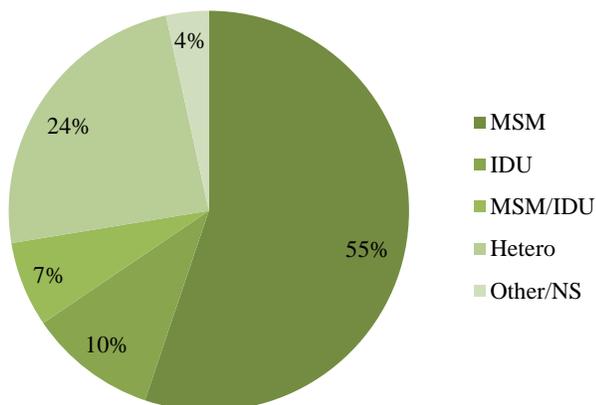


Figure 8. Reported Cases of HIV Newly Diagnosed in Alaska by Race/Ethnicity and Gender, 2017

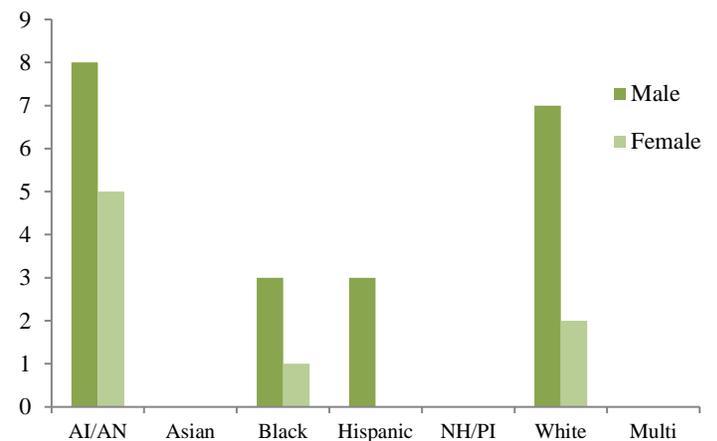
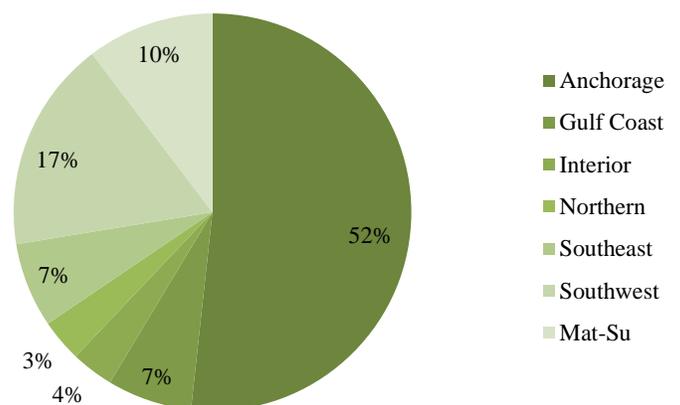


Figure 10. Reported Cases of HIV Newly Diagnosed in Alaska by Residence at Diagnosis, 2017

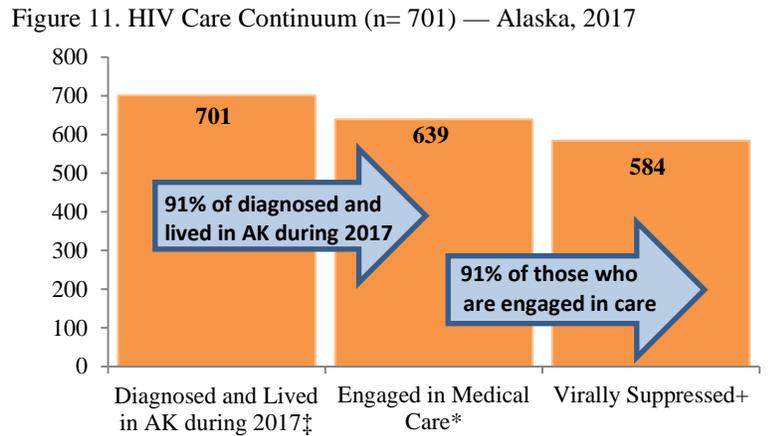


# Persons Living with HIV/AIDS in Alaska as of December 31, 2017

**Highlights**

**Persons Living with HIV in Alaska  
As of December 31, 2017, n=710**

- 385 (54%) ever had a diagnosis of AIDS
- 530 (75%) were male
- 339 (48%) were men who have sex with men (MSM); 189 (27%) were heterosexual
- 296 (42%) were White; 194 (27%) were Alaska Native/American Indian; 101 (14%) were Black
- 468 (66%) had an initial diagnosis in Alaska; 310 (66%) of those were living in Anchorage/Mat-Su at the time of diagnosis
- 91% of those thought to be living with HIV in Alaska during 2017 were engaged in medical care, and of those 91% were virally suppressed



<sup>‡</sup>Includes all cases who lived in Alaska (AK) during 2017; cases with unknown residence and no activity in the surveillance system for 10 or more years were excluded (n=25)  
<sup>\*</sup>Received at least one CD4/Viral Load between Jan. 1 and Dec. 31, 2017  
<sup>+</sup>Viral Load ≤200 copies/mL

Figure 12. Persons Living with HIV/AIDS in Alaska by Age at Diagnosis and Gender As of December 31, 2017

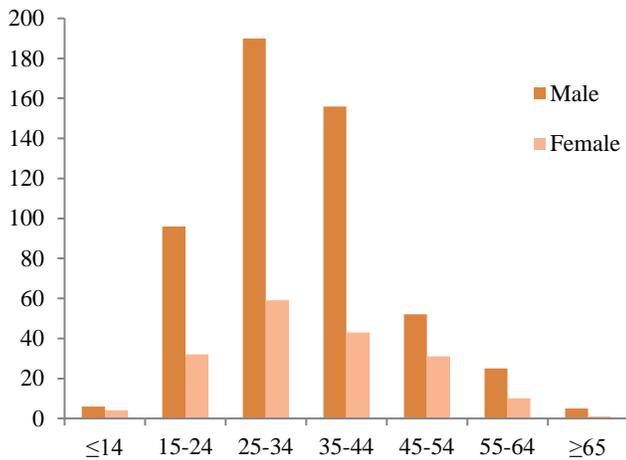


Figure 14. Persons Living with HIV/AIDS in Alaska by Transmission Category As of December 31, 2017

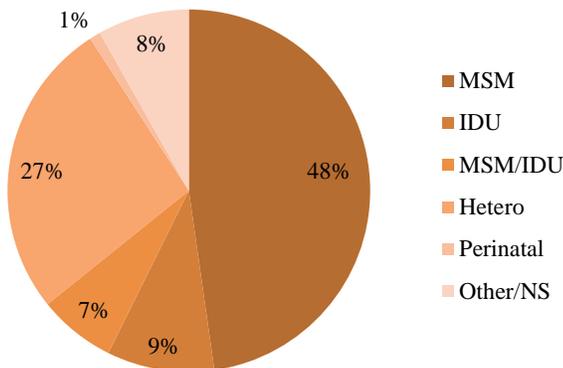


Figure 13. Persons Living with HIV/AIDS in Alaska by Race/Ethnicity and Gender As of December 31, 2017

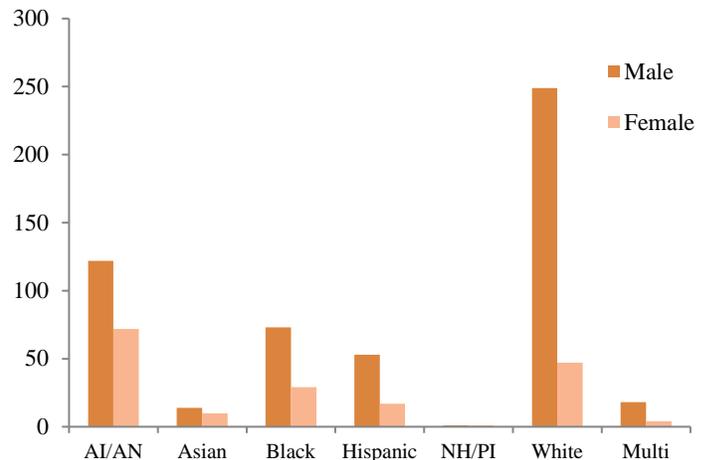
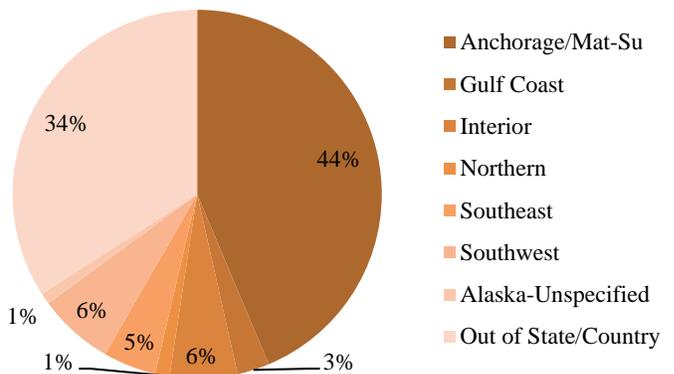


Figure 15. Persons Living with HIV/AIDS in Alaska by Residence at Time of Diagnosis As of December 31, 2017



## Supplemental Data



- The figures included in this section were produced in response to data requests approved by the SOE. The time frames used for these analyses may be different than those in the preceding sections.
- It is important to closely read the labels at the top of each figure to correctly interpret the reported data.

Figure 16. Reported Cases of HIV Diagnosed in Alaska by Year of Diagnosis and Vital Status — 1985–2017

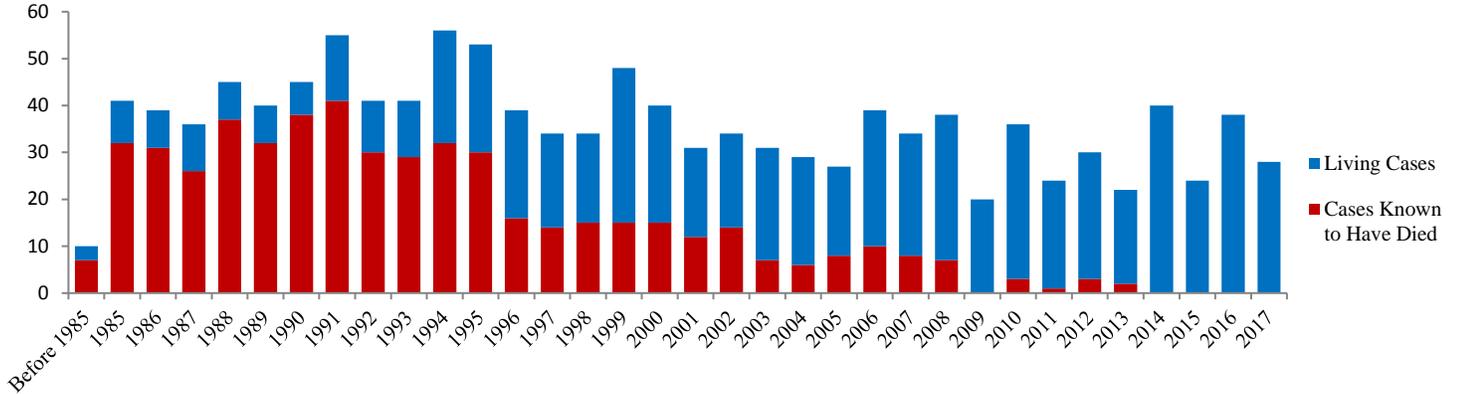


Figure 17. Number of Reported Cases of HIV Diagnosed in Alaska — 1985–2017

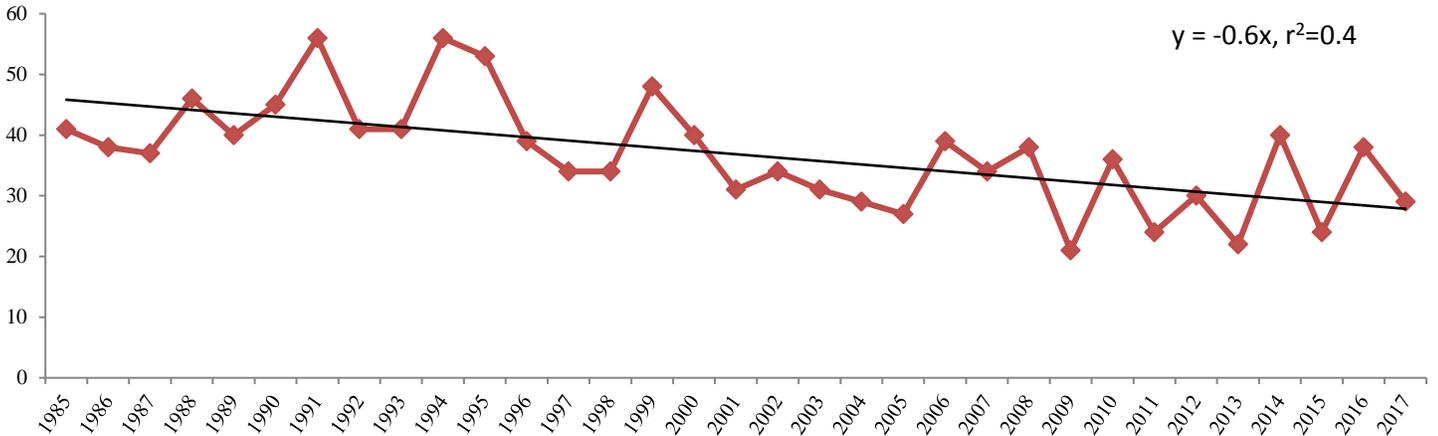


Figure 18. Reported Cases of HIV Diagnosed in Alaska by Transmission Category, 2013–2017

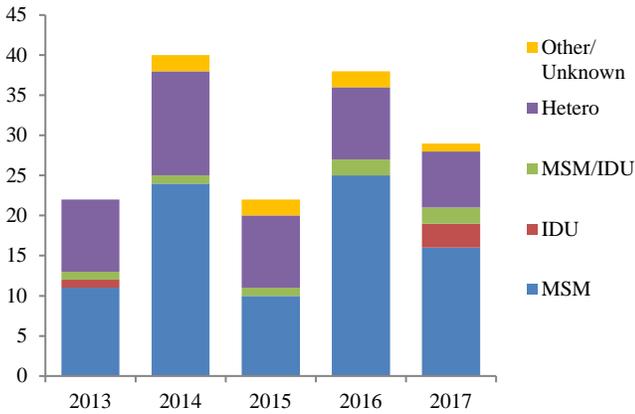


Figure 19. Newly Diagnosed Cases of HIV in Alaska by Race, 2013–2017

