# Human Immunodeficiency Virus and Acquired Immunodeficiency Syndrome in New Mexico – 2015



**HIV Epidemiology and Surveillance Program** 

Infectious Disease Epidemiology Bureau Epidemiology and Response Division New Mexico Department of Health

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https://nmhealth.org/about/erd/ideb/haep/



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Attention: Surveillance Coordinator

Phone: (505) 476-3515 Secure fax: (505) 476-3544

The HIV Epidemiology and Surveillance Program would like to thank the many dedicated individuals who contribute to HIV surveillance in New Mexico. These providers, laboratories, and surveillance staff support the collection of data upon which this report is based. HIVSEP also thanks its partners within the New Mexico Department of Health, including the Public Health Division's HIV Prevention, HIV Services, and Sexually Transmitted Disease Prevention Programs.

This publication was supported by Cooperative Agreement Number 5U62PS003956-04 from the Centers for Disease Control and Prevention. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the Centers for Disease Control and Prevention.

This report completed September 2017.

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Confidential HIV Case Report

State regulations\* require reporting of all HIV infection diagnosed or treated in New Mexico.
Reports may be phoned to: (505) 476-3515 or securely faxed to (505) 476-3544, or mailed to:
New Mexico Department of Health
1190 St. Francis Dr., N 1359
Santa Fe, NM 87502-6110
Attn: Surveillance Coordinator

Person Completing Form:	Facility:		Phone:	Date:
Patient Name		Date of Birth	Phone_	
Patient Alias		Patient Maiden Name_		
Current Address	City	County	State	Zip Code
Sex at Birth ☐ Male ☐ Female Cur		e  Transgender Male to Other gender identify (spe		nsgender Female to Male (FTM)
Is patient currently pregnant? ☐ Yes ☐	No □ Unknown If yes, ex	pected date of delivery		
Ethnicity   Hispanic   Non-Hispanic	Race - White - Native Am	☐ African Am ☐ Asian/Pa	acific Islander 🗆 Othe	
Social Security #		CHOICE STATE OF THE STATE OF TH	_	(Specify)
Vital Status ☐ Living ☐ Deceased Date	te of Death	Place of Dear	th	(City, State)

#### INTRODUCTION

The New Mexico Department of Health (NMDOH) Human Immunodeficiency Virus Epidemiology and Surveillance Program (HIVSEP) collects, analyzes, and disseminates surveillance data on HIV infection in New Mexico. This annual surveillance report summarizes information about diagnosed HIV infections in New Mexico for the most recent calendar year for which data collection is complete. This information is used by NMDOH's public health partners including other agencies, health departments, nonprofit organizations, academic institutions, health care providers and the public to help optimize prevention efforts, plan services, allocate resources, develop policy, and monitor trends in HIV infection.

The 2015 HIV Surveillance Report includes data for adult and adolescent (aged 13 years or older) New Mexico residents who are diagnosed with HIV infection or who are living with HIV through year-end 2015. To ensure that data are optimally complete and accurate, HIVSEP conducts data collection and follow-up activities for 12 months after the conclusion of the reporting year before analyses are performed. Case ascertainment was based on the 2008 revised HIV case definition for adults and adolescents age ≥ 13 years.¹

#### ORGANIZATION OF REPORT

The 2015 HIV Surveillance Report is organized into four sections:

- 1. New Diagnoses of HIV Infection and Stage-3 HIV Infection (i.e., AIDS)
- 2. Persons Living with Diagnosed HIV Infection or with Infection Ever Classified as Stage-3 HIV Infection (i.e., AIDS)
- New Diagnoses of HIV Infection and Persons Living with Diagnosed HIV by Region in New Mexico
- 4. Deaths and Survival after a Diagnosis of HIV Infection or Stage-3 HIV Infection (i.e., AIDS)

HIVSEP staff are available to assist with interpretation of these data and to provide additional analyses. With your assistance, surveillance data will continue to guide HIV prevention strategies and resource allocation for care services in New Mexico. For questions or comments, please call the HIV Report Hotline at (505) 476-3515.

# **OVERVIEW**

NEW DIAGNOSIS OF HIV INFECTION (STAGE-1 THROUGH -3 HIV INFECTIONS)

During 2015, 133 adult and adolescent (ages 13 years and older) New Mexico residents were diagnosed with new HIV infection. This represents an increase of 1.5% from the number of

Schneider E, Whitmore S, Glynn KM, Dominguez K, Mitsch A, McKenna MT. Revised surveillance case definitions for HIV infection among adults, adolescents, and children aged <18 months and for HIV infection and AIDS among children aged 18 months to <13 years--United States, 2008. MMWR Recomm Rep 2008,57:1-12.</p>

persons diagnosed in 2014, which is a change from the prior negative 10-year linear trend in total new HIV infections observed in New Mexico from year to year.

Males constituted the overwhelming majority (92.5%) of people with new HIV infections. Males had a HIV infection incidence rate per 100,000 population that was thirteen-times greater than women (14.3 vs. 1.1, respectively). Males experienced an increase in total new HIV infections in 2015 compared to 2014 while females experienced a decrease in total new HIV infections in the same time period. For males, this is in contrast to the general linear decrease of new infections over the past 10 years, whereas for females, this is consistent with the negative linear trend over the past 10 years.

Persons from the Hispanic, White and American Indian/Native American (AI/AN) racial/ethnic groups made up 97% of all new HIV infections in 2015. There were at least twice as many new HIV infections in Hispanics (n=77) than either Whites (n=36) or American Indians/Native Americans (n=16) in 2015. However, AI/AN had the highest rates (10.8 per 100,000 population) of new HIV infections in 2014, which was more than two-times that of Whites (4.9 per 100,000 population). AI/AN and African Americans experienced decreases in total new HIV infections in 2015 compared to 2014, while Whites and Hispanics experienced increases in total new infections in 2015 compared to 2014. For the latter two groups, this contrasts with the decrease in new HIV infections over the past 10 years (which is observed among all racial/ethnic groups). There was no change in new HIV infections or infection rates among Asians/Pacific Islanders in 2015 compared to 2014.

The decreased total number of persons with HIV infections was not evenly distributed amongst age groups or gender-specific transmission risk categories. Like 2014, the 25-34-year-old age group had the highest proportion (38.3%) and rate (18.1) of new HIV infections in 2015. This was followed by the 13—24 (21.1%; rate = 8.1), 35—44 (20.3%; rate = 11.0), 45—54 (14.3%; rate = 7.3) and >55-year-old (6.0%; rate = 1.3) age groups. All age groups except 13-24 and 25-34-year-olds experienced decreases in total new HIV infections compared to 2014. Men who have sex with men (MSM) r comprised almost two-thirds of all males with new HIV infections, followed by intravenous drug users (IDU; 6.5%) and combined MSM/IDU (9.8%). The frequency of new HIV infections in males belonging to each risk category, except combined MSM/IDU and unknown risk, experienced a decrease in total new HIV in 2015 compared to 2014. The substantial increase in males with new HIV infections and belonging to the MSM/IDU (200% increase) risk category is in line with the 10-year positive linear trend for this group. Females belonging to the unknown risk category comprised nearly two-thirds of all females with new HIV infections, followed by IDU (30%), high risk heterosexual (HRH) contact (10%) and other (0%) risk categories. The frequency of new HIV infections in females belonging to the HRH category experienced a decrease in total new HIV in 2015 compared to 2014.

# NEW STAGE-3 HIV INFECTIONS (i.e., AIDS)

During 2015, 52 persons were newly classified as Stage-3 HIV Infection (*i.e.*, AIDS) in New Mexico; this was a 16% decrease from 2014. Most persons with new diagnosis of Stage-3 HIV infection were male (88.5%). Although Hispanics comprised the largest proportion (51.9%) of all racial-ethnic groups, AI/AN had the largest new Stage-3 HIV infection rate (6.1 per 100,000

population). Persons from the 35—44-year-old age group had the largest proportion (32.7%) and rate (6.9 /100,000 pop.) of new Stage-3 HIV infection.

In 2015, 37 persons had HIV infection that progressed to Stage-3 HIV infection within 12 months of HIV infection diagnosis; this was a 17.8% decrease from 2014. Three females who had HIV infection progressed to Stage-3 HIV infection within 12 months in 2015, which represents a 50% decrease from 2014. Substantial increases compared to 2014 were observed among Whites (n=14; 55.5% increase) and unknown risk factors for males (n=13; 116% increase). All other racial/ethnic group and age categories saw a decrease or no change in number of HIV infections that progressed to Stage-3 HIV infection within 12 months in 2015 compared to 2014.

#### PERSONS LIVING WITH DIAGNOSIS OF HIV (STAGE-1 THROUGH -3 HIV INFECTIONS)

By the end of 2015, a total of 3,235 persons were living with HIV infection (Stage-1 through -3 HIV infection) in New Mexico; 57.9% of these persons had ever been classified as Stage-3 HIV Infection. Apart from the pattern of age at diagnosis, the frequency pattern across characteristics for persons living with HIV Infection was similar to that of persons with new diagnoses of HIV infection. The peak age of initial diagnosis of HIV infection shifted upwards to the 45—54-year-old age group (n=1,058; 407.4 per 100,000 population), followed by the ≥55 (n=976; 161.1 per 100,000 population), 35—44 (n=642; 261.8 per 100,000 population), 25—34 (n=461; 163.4 per 100,000 population) and 13—24 (n=98; 28.4 per 100,000 population) year-old age groups.

### HIV INFECTIONS BY NM HEALTH REGION

In 2015, the Metropolitan region had the largest proportion (48.9%) and rate (8.5) of persons with new HIV infection diagnoses while the Northwest region had the highest rate of persons with new HIV infection diagnoses (rate = 12.7). The Northwest (17.3%) also had the second highest proportion of persons with new HIV infection diagnosis, followed by Southwest (15.8%; rate = 6.8) and the Southeast (9.8%; rate = 5.5) regions. Although the Metropolitan region had the highest proportion (32.7%) of new Stage-3 HIV Infection (i.e., AIDS), the Northwest region had the highest rate (6.1) of new Stage-3 HIV infection, while the Northeast Region had the highest proportion (45.5%) of persons that progressed from initial HIV diagnosis to Stage-3 infection within 12 months.

# HIV-RELATED MORTALITY

There were 40 deaths in 2015 in New Mexico where HIV was a contributing cause of death. The 2015 age-adjusted multiple cause of death (MCD) rate was 1.9 (95% CI: 1.3-2.6). Despite some fluctuation in the number of HIV-related deaths from year to year, there has been no statistically significant change in the HIV MCD rate going back to the late 1990s. During the 2006—2010 period (*i.e.*, the most recent period with 1, 3 and 5 years of complete survival data), survival after diagnosis with Stage-3 HIV Infection has remained high with 91.2%, 86.4% and 83.0% of persons surviving at least one, three and five years after diagnoses. American Indians/Alaska Natives (73.1%), 55+-year-old age group (67.5%), males in the IDU risk category (68.2%), males in the unknown risk category (69.0%), females in the other risk category (66.7%)

and females in the unknown risk category (65.2%) have the lowest percentage of persons surviving at least five years.



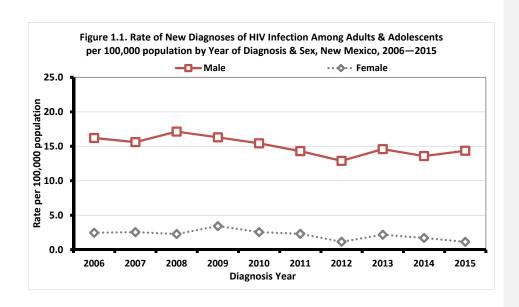
# SECTION 1: New Diagnoses of HIV Infection and Diagnoses of Stage-3 HIV Infection (i.e., AIDS)

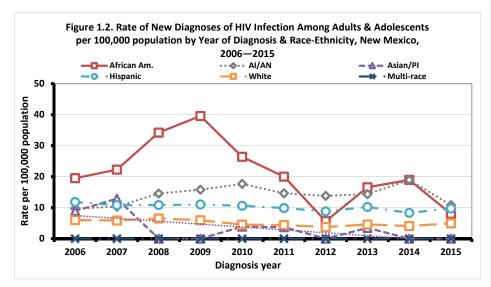
Table 1.1. Diagnoses of HIV Infection Among Adults and Adolescents, by Year of Diagnosis and Selected Characteristics, New Mexico, 2011—2015

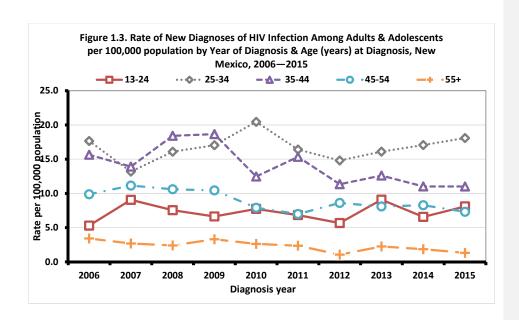
		2011			2012			2013			2014			2015	
		201.			2012			2013			2014			2013	
			% of			% of			% of			% of			% of
	N	Rate	Total	N	Rate	Total	N	Rate	Total	N	Rate	Total	N	Rate	Total
TOTAL	140	8.2		119	6.9		143	8.3		131	7.6		133	7.6	
SEX															
Male	120	14.3	85.7%	109	12.9	91.6%	124	14.6	86.7%	116	13.6	88.5%	123	14.3	92.5%
Female	20	2.3	14.3%	10	1.1	8.4%	19	2.2	13.3%	15	1.7	11.5%	10	1.1	7.5%
RACE/ETHNICITY															
African Am.	7	20.0	5.0%	2	5.6	1.7%	6	16.6	4.2%	7	18.9	5.3%	3	8.0	2.3%
AI/AN	21	14.7	15.0%	20	13.8	16.8%	21	14.3	14.7%	28	19.0	21.4%	16	10.8	12.0%
Asian/PI	1	3.7	0.7%	0	0.0		1	3.5	0.7%	0	0.0		0	0.0	
Hispanic	74	9.9	52.9%	67	8.8	56.3%	79	10.2	55.2%	65	8.3	49.6%	77	9.7	57.9%
White	0	0.0		28	3.7	23.5%	34	4.6	23.8%	30	4.1	22.9%	36	4.9	27.1%
Multi-race	4		2.9%	2		1.7%	2		1.4%	1		0.8%	1		0.8%
AGE	24	6.0	1710/	20	F 7	16 00/	32	0.1	22.40/	22	6.6	17 60/	28	0.1	21 10/
13-24 25-34	24	6.8	17.1% 32.1%	20	5.7	16.8%		9.1	22.4% 31.5%	23 48	6.6 17.1	17.6% 36.6%	28 51	8.1 18.1	21.1% 38.3%
35-44	45 38	16.4 15.3	27.1%	41 28	14.8 11.3	34.5% 23.5%	45 31	16.1 12.6	21.7%	27	11.0	20.6%	27	11.0	20.3%
45-54	20	7.0	14.3%	24	8.6	20.2%	22	8.1	15.4%	22	8.3	16.8%	19	7.3	14.3%
45-54 55+	13	2.4	9.3%	6	1.1	5.0%	13	2.3	9.1%	11	6.5 1.9	8.4%	8	1.3	6.0%
			3.370	U	1.1	3.070	13	2.3	3.170	11	1.5	0.470	O	1.5	0.070
TRANSMISSION C	ATEGO	RY*													
MALE															
MSM	84		70.0%	70		64.2%	91		73.4%	81		69.8%	75		61.0%
IDU	9		7.5%	6		5.5%	6		4.8%	10		8.6%	8		6.5%
MSM/IDU	10		8.3%	11		10.1%	13		10.5%	4		3.4%	12		9.8%
HRH	5		4.2%	10		9.2%	5		4.0%	9		7.8%	3		2.4%
Other	0			0			0			0			0		
NIR & NRR	12		10.0%	12		11.0%	9		7.3%	12		10.3%	25		20.3%
FEMALE IDU			200/	2		200/			210/	1		70/	3		200/
HRH	6 9		30% 45%	2 6		20% 60%	4 9		21% 47%	1 9		7% 60%	1		30% 10%
Perinatal	1		5%	0			0		4/70	0			0		10%
Other	0			0			0			0			0		
NIR & NRR	4		20%	2		20%	6		32%	5		33%	6		60%
	7		2070	-		2070	U		3270	J		3370	U		0070
REGION															
Northwest	21	11.6	15.0%	18	9.9	15.1%	17	9.4	11.9%	26	14.3	19.8%	23	12.7	17.3%
Northeast	18	7.2	12.9%	23	9.1	19.3%	27	10.7	18.9%	17	6.7	13.0%	11	4.3	8.3%
Metro	67	9.0	47.9%	50	6.7	42.0%	67	8.9	46.9%	66	8.7	50.4%	65	8.5	48.9%
Southeast	5	2.2	3.6%	5	2.2	4.2%	7	3.0	4.9%	7	3.0	5.3%	13	5.5	9.8%
Southwest	29	9.6	20.7%	23	7.5	19.3%	25	8.2	17.5%	15	4.9	11.5%	21	6.8	15.8%

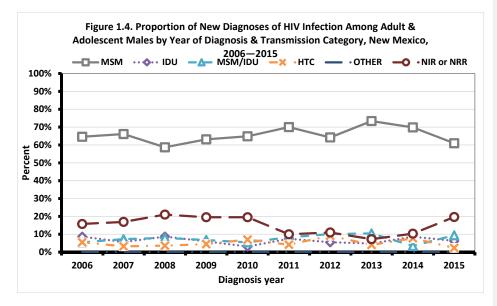
NOTE: Due to rounding, percentages may not total to 100%.

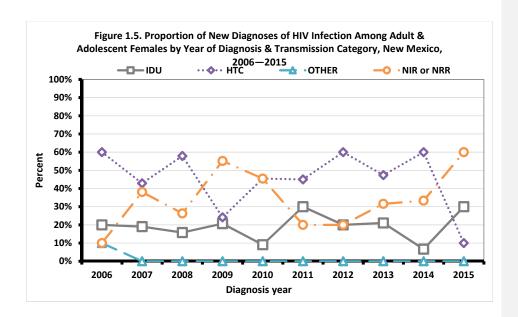
<sup>\*</sup> Percentages represent the proportion of persons with the risk behavior from the total respective subgroup (e.g., the numerator was the number of male or females with a new HIV diagnosis and IDU divided by a denominator that was the total number of males or females, respectively).

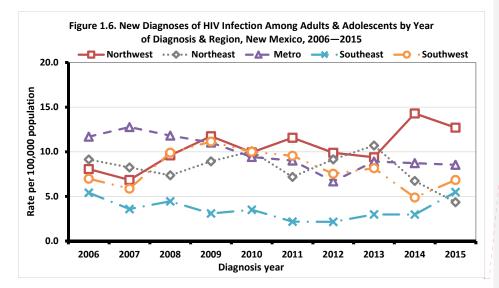












Commented [SPS1]: Appears to be rising trend of new cases occurring in Southeast region from ~2012 to present. Southwest has also seen a bump up from previous year.

Table 1.2. Stage-3 HIV Infection (i.e., AIDS) Among Adults & Adolescents, by Year of Diagnosis & Selected Characteristics, New Mexico, 2011-2015 2011 2012 2013 2014 2015 % of % of % of % of Ν Total Ν Ν Total Ν % of Total Rate Ν Rate Total Rate Total Rate Rate TOTAL 77 4.5 85 4.9 77 4.5 62 3.6 52 3.0 SEX Male 65 7.7 84.4% 77 9.1 90.6% 68 8.0 88.3% 52 6.1 83.9% 46 5.4 88.5% 15.6% 11.7% 16.1% Female 1.4 8 0.9 9.4% 9 1.0 10 1.1 6 0.7 11.5% RACE/ETHNICITY 6.5% 0.0% African Am. 14.3 4 11.3 4.7% 8.3 3.9% 3 8.1 4.8% 0 0.0 AI/AN 4.2 7.8% 11 7.6 12.9% 15 10.2 19.5% 11 7.4 17.7% 9 6.1 17.3% Asian/PI 3.7 1.3% 0 0.0 0 0.0 0 0.0 0.0% 0 0.0 40 5.3 51.9% 47 6.2 55.3% 34 4.4 44.2% 31 4.0 50.0% 27 3.4 51.9% Hispanic White 23 3.1 29.9% 21 2.8 24.7% 22 3.0 28.6% 16 2.2 25.8% 16 2.2 30.8% 2.6% 2.4% 3.9% 1 1.6% 0 Multi-race 2 3 0.0% AGE, years 13-24 0.3 1.3% 3 0.9 3.5% 1.1 5.2% 1.1 6.5% 7.7% 29.9% 32 11.6 22.6% 30.8% 25-34 23 1.6 37.6% 19 6.8 24.7% 14 5.0 16 5.7 35-44 23 9.3 29.9% 17 6.9 20.0% 25 10.2 32.5% 14 5.7 22.6% 17 6.9 32.7% 45-54 22.1% 22 25.9% 23.4% 11.5% 17 5.9 7.9 18 6.6 18 6.8 29.0% 6 2.3 55+ 13 2.4 16.9% 11 2.0 12.9% 11 1.9 14.3% 12 2.0 19.4% 9 1.5 17.3% TRANSMISSION CATEGORY\* MALE 66.2% 49 63.6% 49 72.1% 31 23 50.0% MSM 43 59.6% IDU 6.2% 4 5.2% 4.4% 7 13.5% 10.9% MSM/IDU 10.8% 11 14.3% 8.8% 2 3.8% 8.7% HRH 6.2% 7 9.1% 3 4.4% 5 9.6% 1 2.2% Other 10.8% 7.8% 10.3% 7 13.5% 13 28.3% 6 0.0% NIR or NRR 0 0.0% 0.0% 0 0.0% 0 0.0% 0 **FEMALE** 44% 10% 17% IDU 2 17% 3 38% 4 1 1 HRH 42% 3 38% 0 0% 6 60% 3 50% 5 Other 0 0% 0 0% 0 0% 0 0% 0 0% --NIR or NRR 42% 2 25% 5 56% 3 30% 2 33% **REGION** 3.9 9.1% 11 6.0 12.9% 11 6.1 14.3% 9 4.9 14.5% 11 6.1 21.2% Northwest Northeast 14 5.6 18.2% 15 6.0 17.6% 14 5.5 18.2% 7 2.8 11.3% 9 3.6 17.3% 37 48.1% 54.8% 17 32.7% Metro 39 5.3 50.6% 42 5.6 49.4% 4.9 34 4.5 2.2 1.7 5.2% 3 1.3 3.5% 5 2.1 6.5% 6 2.5 9.7% 4 1.7 7.7% Southeast 4

3.3

10

13.0%

9.7%

11

3.6

2.0

21.2%

16.5%

16.9%

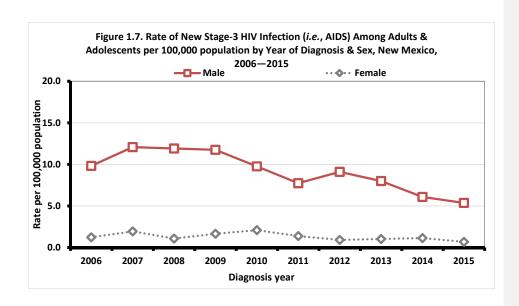
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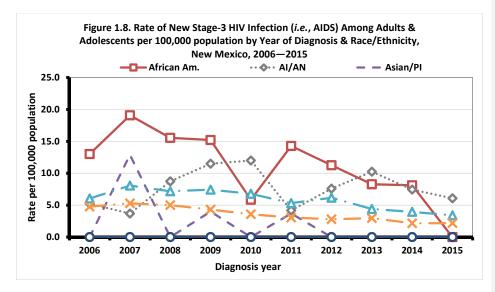
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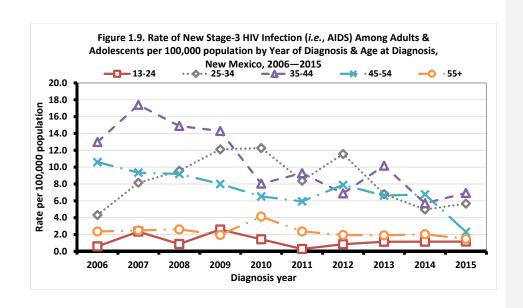
4.3

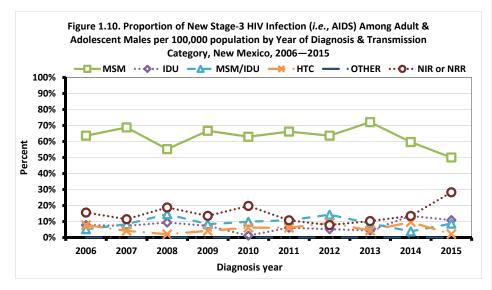
Southwest

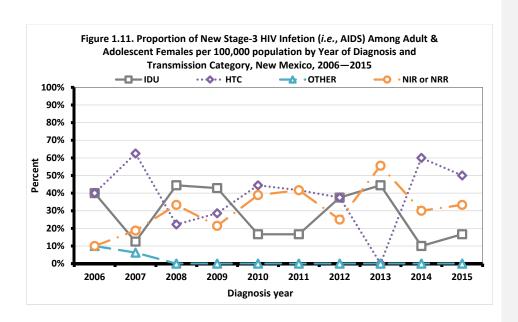
<sup>\*</sup> Percentages represent the proportion of persons with the risk behavior from the total respective subgroup (e.g., the numerator was the number of male or females with a new HIV diagnosis and IDU divided by a denominator that was the total number of males or females, respectively).











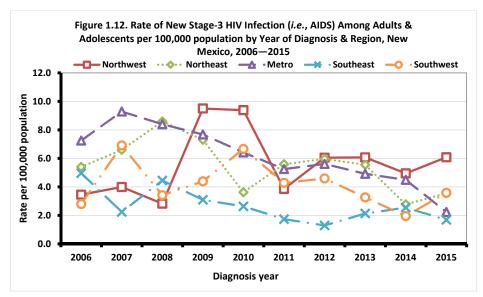


Table 1.3. Stage-3 HIV Infection (i.e., AIDS) Within 12 Months After a Diagnosis of HIV Infection Among Adults & Adolescents by Year of HIV Diagnosis & Selected Characteristics, New Mexico, 2012—2015 2012 2013 2014 2015 # Stage-3 # Stage-3 # Stage-3 # Stage-3 (AIDS) within 12 (AIDS) within 12 (AIDS) within 12 (AIDS) within 12 within # of HIV of HIV Diagnoses Diagnose Diagnoses Diagnoses Diagnosis group\* Diagnosi group' Diagnosis group\* Diagnosis group' TOTAL 119 44 37.0% 143 42 29.4% 131 45 34.4% 133 37 27.8% SEX 109 42 38.5% 124 37 29.8% 116 39 33.6% 123 34 27.6% Male 10 20.0% 19 5 26.3% 15 6 40.0% 10 3 30.0% Female RACE/ETHNICITY 0 0.0% 0 2 6 1 16.7% 7 14.3% 3 0.0% 1 African Am. 20 35.0% 21 6 28.6% 28 12 42.9% 16 4 25.0% AI/AN 0 0 0 0.0% 0 0 0 0 Asian/PI 67 27 40.3% 79 22 27.8% 65 23 35.4% 77 19 24.7% Hispanic 9 28 32.1% 34 11 32.4% 30 9 30.0% 36 14 38.9% White Multi-race 50.0% 100.0% 0.0% 0 0.0% AGE, years 20 10.0% 32 3 9.4% 23 4.3% 28 3 10.7% 13-24 16 10 196% 41 39.0% 45 14 31 1% 48 10 20.8% 51 25-34 28 10 35.7% 31 14 45.2% 27 13 48.1% 27 13 48.1% 35-44 24 12 50.0% 22 8 36.4% 22 13 59.1% 19 6 31.6% 45-54 55+ 6 66.7% 13 3 23.1% 11 8 72.7% 8 5 62.5% TRANSMISSION CATEGORY MALE MSM 70 27 38.6% 91 27 29.7% 81 22 27.2% 75 16 21.3% 16.7% 33.3% 60.0% 25.0% IDU 6 1 6 2 10 6 8 2 MSM/IDU 11 5 45.5% 13 3 23.1% 4 1 25.0% 12 16.7% 9 HRH 10 50.0% 5 40.0% 4 44.4% 3 1 33.3% Other 0 0 0 0 0 0 0 0 NIR & NRR 12 4 33.3% 33.3% 12 50.0% 25 13 52.0% 9 6 3 FEMALE 0 2 100.0% 0 IDU 0.0% 1 25.0% 1 1 3 0.0% 9 6 9 33.3% HRH 16.7% 0 0.0% 100.0% 1 3 1 1 0 Other 0 0 0 0 0 0 0 NIR & NRR 50.0% 66.7% 40.0% 33.3% 2 6 4 6 REGION Northwest 18 6 33.3% 17 41.2% 38.5% 23 8 34.8% 26 10 43.5% 27 9 33.3% 17 45.5% 23 10 5 29.4% 11 Northeast 5 Metro 50 20 40.0% 67 15 22.4% 66 23 34.8% 65 15 23.1% 57.1% Southeast 1 20.0% 28.6% 13 23.1%

23 NOTE: Due to rounding, percentages may not total to 100%.

30.4%

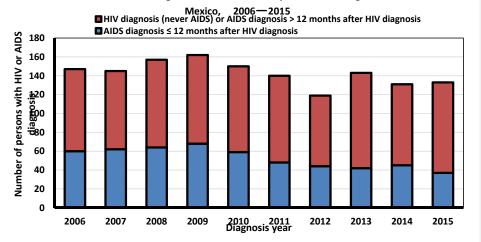
Southwest

28.0%

33.3%

<sup>\*</sup> Percentages represent the proportion of persons with the characteristic category from the total respective subgroup (e.g., the numerator was the number of male or females with a new HIV diagnosis and IDU divided by a denominator that was the total number of males or females, respectively).

Figure 1.16. Stage-3 HIV Infection (i.e., AIDS) within 12 Months After a Diagnosis of HIV Infection Among Adults & Adolescents by Year of HIV Diagnosis, New







Info and resources on HIV, STD, Viral Hepatitis, and Harm Reduction

# SECTION 2: Persons Living with Diagnosed of HIV Infection or with Diagnosis of Stage-3 HIV Infection (i.e., AIDS)

Table 2.1. Adults & Adolescents Living with HIV or Stage-3 HIV Infection (i.e., AIDS) by Selected Characteristics, Year-end 2015, New Mexico

		HIV			Stage 3 (AII			Total	
			% of			% of			% of
TOTAL	N 1 262	Rate	total	N	Rate	total	N	Rate	total
TOTAL	1,363	78.4	42.1%	1,873	107.7	57.9%	3235	186.1	
SEX									
Male	1,174	136.9	86.1%	1,669	194.7	89.1%	2,843	331.6	87.9%
Female	189	21.4	13.9%	204	23.1	10.9%	392	44.5	12.1%
RACE/ETHNICITY									
African/Am.	105	280.2	7.7%	95	253.5	5.1%	200	533.6	6.2%
AI/AN	121	81.7	8.9%	144	97.2	7.7%	265	178.8	8.2%
Asian/PI	10	32.6	0.7%	7	22.8	0.4%	17	55.5	0.5%
Hispanic	666	84.0	48.9%	838	105.7	44.7%	1,504	189.8	46.5%
White	442	60.5	32.4%	754	103.2	40.3%	1,196	163.8	37.0%
Multi-race	19		1.4%	35		1.9%	54		1.7%
	13		1.170	33		1.570	31		1.770
AGE, years									
13-24	79	22.9	5.8%	19	5.5	1.0%	98	28.4	3.0%
25-34	327	115.9	24.0%	134	47.5	7.2%	461	163.4	14.3%
35-44	307	125.2	22.5%	335	136.6	17.9%	642	261.8	19.8%
45-54	361	139.0	26.5%	697	268.4	37.2%	1,058	407.4	32.7%
55+	289	47.6	21.2%	688	113.4	36.7%	976	160.9	30.2%
TRANSMISSION C	ΔTEGORY	÷							
MALE	ALEGOIG								
MSM	825		70.3%	1,182		70.8%	2,007		70.6%
IDU	68		5.8%	114		6.8%	182		6.4%
MSM/IDU	100		8.5%	177		10.6%	277		9.7%
HRH	56		4.8%	73		4.4%	129		4.5%
Other	2		0.2%	12		0.7%	14		0.5%
NIR or NRR	123		10.5%	111		6.7%	234		8.2%
FEMALE									
IDU	33		17.5%	57		27.9%	90		23.0%
HRH	99		52.4%	112		54.9%	210		53.6%
Other	4		2.1%	7		3.4%	11		2.8%
NIR or NRR	53		28.0%	28		13.7%	81		20.7%
REGION									
Northwest	144	79.5	10.6%	162	89.5	8.7%	306	169.0	9.5%
Northeast	236	79.5 93.2	17.3%	379	89.5 149.7	8.7% 20.2%	615	243.0	9.5% 19.0%
Metro	671	93.2 88.2	49.2%	963	149.7	20.2% 51.4%	1,634	243.0	50.6%
Southeast	78	88.2 32.9	49.2% 5.7%		43.9	51.4%	1,634	214.8 76.8	5.6%
	78 234	32.9 76.2	5.7% 17.2%	104 264	43.9 86.0		182 498	76.8 162.2	
Southwest					00.0	14.1%	498	102.2	15.4%

<sup>\*</sup> Percentage represent the proportion of persons with either HIV or HIV Stage-3 infections from the total persons living with a diagnosis of HIV or Stage-3 HIV infection for the analysis year.

<sup>†</sup> Percentages represent the proportion of persons with the risk behavior from the total respective subgroup (e.g., the numerator was the number of male or females with a new HIV diagnosis and IDU divided by a denominator that was the total number of males or females, respectively).

# SECTION 3: New Diagnoses of HIV Infection and Persons Living with Diagnosed HIV by Region in New Mexico

Table 3.1. Diagnoses of HIV Infection Among Adults & Adolescents, 2011—2015, & Persons Living with HIV or Stage-3 HIV Infection (i.e., AIDS), Year-end 2015, by selected characteristics — Northwest Region

				2015 F	Persons Li	ving with	HIV or H	IV Stage-3	3 (AIDS)			
	2011-	—2015 Diagnose	s of HIV		HIV		HIV	Stage-3 (	AIDS)		Total	
	N	Average Annual Rate	% of Total	N	Rate	% of Total	N	Rate	% of Total	N	Rate	% of Tota
TOTAL	105	58.0		144	79.5	47.2%	162	89.5	52.9%	306	169.0	
SEX												
Male	86	97.1	81.9%	120	135.5	83.3%	126	142.2	77.8%	246	277.7	80.49
Female	19	20.5	18.1%	24	26.0	16.7%	36	38.9	22.2%	60	64.9	19.69
RACE/ETHNICITY												
African Am.	0	0.0		6	343.8	4.2%	3	171.9	1.9%	9	515.8	2.9%
AI/AN	71	80.5	67.6%	65	73.7	45.1%	84	95.3	51.9%	149	169.0	48.79
Asian/PI	0	0.0		0	0.0		0			0	0.0	
Hispanic	27	79.1	25.7%	51	149.5	35.4%	40	117.2	24.7%	91	266.7	29.79
White	7	12.6	6.7%	22	39.6	15.3%	33	59.4	20.4%	55	98.9	18.09
Multi-race	0			0			2		1.2%	2		0.7%
AGE, years												
13-24	11	28.8	10.5%	10	26.2	6.9%	2	5.2	1.2%	12	31.4	3.9%
25-34	52	162.9	49.5%	44	137.8	30.6%	12	37.6	7.4%	56	175.4	18.39
35-44	22	81.3	21.0%	32	118.2	22.2%	39	144.1	24.1%	71	262.3	23.29
45-54	16	58.9	15.2%	38	139.9	26.4%	62	228.3	38.3%	100	368.3	32.79
55+	4	7.1	3.8%	20	35.3	13.9%	47	82.8	29.0%	67	118.1	21.99
TRANSMISSION C	ATEGOR	Y†										
MALE												
MSM	47		54.7%	72		60.0%	75		59.5%	147		59.89
IDU	8		9.3%	12		10.0%	14		11.1%	26		10.69
MSM/IDU	7		8.1%	8		6.7%	10		7.9%	18		7.3%
HRH	8		9.3%	7		5.8%	11		8.7%	18		7.3%
Other	0		0.0%	0		0.0%	1		0.8%	1		0.4%
NIR or NRR	16		18.6%	21		17.5%	15		11.9%	36		14.69
FEMALE												
IDU	3		15.8%	4		16.7%	7		19.4%	11		18.39
HRH	10		52.6%	12		50.0%	22		61.1%	34		56.79
Other	0		0.0%	1		4.2%	1		2.8%	2		3.3%
NIR or NRR	6		31.6%	7		29.2%	6		16.7	13		21.79

<sup>\*</sup> Percentage represent the proportion of persons with either HIV or HIV Stage-3 infections from the total persons living with a diagnosis of HIV or Stage-3 HIV infection for the analysis year.

infection for the analysis year.

† Percentages represent the proportion of persons with the risk behavior from the total respective subgroup (e.g., the numerator was the number of male or females with a new HIV diagnosis and IDU divided by a denominator that was the total number of males or females, respectively).

Table 3.2. Diagnoses of HIV Infection Among Adults & Adolescents, 2011—2015, & Persons Living with HIV or Stage-3 HIV Infection (i.e., AIDS), Year-end 2015, by selected characteristics — Northeast Region

				2015	Persons L	iving with	HIV or	HIV Stage	-3 (AIDS)	_		
	2011	.—2015 Diagnos	es of HIV		HIV		ні	V Stage-3	(AIDS)		Total	
	N	Average Annual Rate	% of Total	N	Rate	% of Total	N	Rate	% of Total	N	Rate	% of Total
TOTAL	96	37.9		236	93.2	38.4%	379	149.7	61.6%	615	243.0	
SEX												
Male	83	66.7	86.5%	206	165.5	87.3%	345	277.1	91.0%	551	442.5	89.6%
Female	13	10.1	13.5%	30	23.3	12.7%	34	26.4	9.0%	64	49.8	10.4%
RACE/ETHNICITY												
African Am.	5	202.3	5.2%	15	607.0	6.4%	10	404.7	2.6%	25	1011.7	4.1%
AI/AN	4	39.7	4.2%	9	89.3	3.8%	8	79.4	2.1%	17	168.7	2.8%
Asian/PI	0	0.0		3	81.2	1.3%	2	54.1	0.5%	5	135.4	0.8%
Hispanic	62	46.0	64.6%	105	78.0	44.5%	159	118.0	42.0%	264	196.0	42.9%
White	24	23.5	25.0%	101	98.8	42.8%	196	191.8	51.7%	297	290.6	48.3%
Multi-race	1		1.0%	3		1.3%	4		1.1%	7		1.1%
AGE, years												
13-24	15	37.1	15.6%	6	14.8	2.5%	0	0.0		6	14.8	1.0%
25-34	32	98.3	33.3%	41	126.0	17.4%	25	76.8	6.6%	66	202.8	10.7%
35-44	22	66.2	22.9%	44	132.4	18.6%	46	138.4	12.1%	90	270.8	14.6%
45-54	20	50.7	20.8%	62	157.0	26.3%	153	387.5	40.4%	215	544.5	35.0%
55+	7	6.5	7.3%	83	77.3	35.2%	155	144.3	40.9%	238	221.5	38.7%
TRANSMISSION CA	TEGOR	<b>/</b> †										
MALE												
MSM	55		66.3%	152		73.8%	265		76.8%	417		75.7%
IDU	5		6.0%	13		6.3%	13		3.8%	26		4.7%
MSM/IDU	9		10.8%	20		9.7%	39		11.3%	59		10.7%
HRH	3		3.6%	6		2.9%	9		2.6%	15		2.7%
Other	0		0.0%	2		1.0%	1		0.3%	3		0.5%
NIR or NRR	11		13.3%	13		6.3%	18		5.2%	31		5.6%
FEMALE	2		15.40/			20.00/	10		20.40/	1.0		25.00/
IDU	2 7		15.4%	6		20.0%	10		29.4%	16 29		25.0%
HRH			53.8% 7.7%	15 0		50.0% 0%	14 2		41.2%	29		45.3% 3.1%
Perinatal Other	1		0.0%	0		0.0%	0		5.9% 0.0%	0		3.1% 0.0%
Otner NIR or NRR	1		0.0% 23.1%	0		0.0%	8		0.0% 23.5%	17		26.6%
INTR OF INRR	1		23.170	U		0.0%	0		23.370	1/		20.0%

<sup>\*</sup> Percentage represent the proportion of persons with either HIV or HIV Stage-3 infections from the total persons living with a diagnosis of HIV or Stage-3 HIV

infection for the analysis year.

† Percentages represent the proportion of persons with the risk behavior from the total respective subgroup (e.g., the numerator was the number of male or females with a new HIV diagnosis and IDU divided by a denominator that was the total number of males or females, respectively).

Table 3.3. Diagnoses of HIV Infection Among Adults & Adolescents, 2011—2015, & Persons Living with HIV or Stage-3 HIV Infection (i.e., AIDS), Year-end 2015, by selected characteristics —  $\frac{Metropolitan}{Metropolitan}$  Region

	201	.1—2015 Diag	noses of	201	5 Perso	ons Liv	ing with	HIV or H	IIV Stage-3 (A	AIDS)			-
		HIV			HIV		_	HIV	Stage-3 (AII	OS)		Total	
		Average	% of				% of			% of			% of
		Annual Rate	Total	N		Rate	Total	N	Rate	Total	N	Rate	Total
TOTAL	315	41.4		67	1	88.2	41.1%	963	126.6	58.9%	1,634	214.8	
SEX													
Male	292	78.5	92.7%	59	9	161.1	89.3%	880	236.7	91.4%	1,479	397.8	90.5%
Female	23	5.9	7.3%	72	2	18.5	10.7%	83	21.3	8.6%	155	39.8	9.5%
RACE/ETHNICITY													
African Am.	12	64.0	4.1%	62	2	305.1	9.2%	58	285.5	6.0%	120	590.6	7.3%
AIICAII AIII.		71.8	9.2%	42		104.1	6.3%	47	116.4	4.9%	89	220.5	5.4%
Asian/PI		5.2	0.3%	5		26.2	0.7%	5	26.2	0.5%	10	52.4	0.6%
Hispanic		50.4	55.6%	32		93.5	48.4%	440	126.6	45.7%	765	220.2	
White		27.6	29.2%	22		67.8	33.7%	393	117.8	40.8%	619	185.6	37.9%
Multi-race			1.6%	11			1.6%	20		2.1%	31		1.9%
	-				_								
AGE, years													
13-24		49.6	22.5%	49		34.2	7.3%	8	5.6	0.8%	57	39.8	3.5%
25-34		75.0	31.1%	16		123.2	24.0%	69	52.8	7.2%	230	176.0	14.1%
35-44		63.7	22.9%	14		126.6	21.3%	167	147.9	17.3%	310	274.5	19.0%
45-54		41.7	15.6%	18		156.5	27.4%	362	308.0	37.6%	546	464.5	33.4%
55+	25	9.7	7.9%	13	4	52.2	20.0%	357	139.2	37.1%	491	191.4	30.0%
TRANSMISSION CA	TEG	ORY†											
MALE													
MSM	215		73.6%	45	4		75.8%	641		72.8%	1,095		74.0%
IDU	18		6.2%	2	1		3.5%	48		5.5%	69		4.7%
MSM/IDU	22		7.5%	52	2		8.7%	96		10.9%	148		10.0%
HRH			3.8%	23	3		3.8%	33		3.8%	56		3.8%
Other	0		0.0%	0				7		0.8%	7		0.5%
NIR & NRR	26		8.9%	49	9		8.2%	55		6.3%	104		7.0%
FEMALE													
IDU	7		30.4%	14			19.4%	25		30.1%	39		25.2%
HRH			34.8%	38			52.8%	48		57.8%	86		55.5%
			0.0%	2			2.8%	2		2.4%	4		2.6%
NIR & NRR	8		34.8%	18	3		25.0%	8		9.6%	26		16.8%

<sup>\*</sup> Percentage represent the proportion of persons with either HIV or HIV Stage-3 infections from the total persons living with a diagnosis of HIV or Stage-

<sup>3</sup> HIV infection for the analysis year.

† Percentages represent the proportion of persons with the risk behavior from the total respective subgroup (e.g., the numerator was the number of male or females with a new HIV diagnosis and IDU divided by a denominator that was the total number of males or females, respectively).

Table 3.4. Diagnoses of HIV Infection Among Adults & Adolescents, 2011—2015, & Persons Living with HIV or Stage-3 HIV Infection (i.e., AIDS), Year-end 2015, by selected characteristics — Southeast Region

						HTV.						
	2011-	—2015 Diagnos	es of HIV		HIV		HIV St	age-3 (AII	OS)		Total	
		Average	% of		_	% of			% of			% of
	N	Annual Rate	Total	N		Total	N	Rate	Total	N	Rate	Total
TOTAL	37	15.6		78	32.9	42.9%	104	43.9	57.1%	182	76.8	
SEX												
Male	35	29.1	94.6%	59	49.1	75.6%	93	77.4	89.4%	152	126.5	83.5%
Female	2	1.7	5.4%	19	16.2	24.4%	11	9.4	10.6%	30	25.7	16.5%
RACE/ETHNICITY												
African Am.	2	28.2	5.4%	9	1267	11.5%	10	140.8	9.6%	19	267.5	10.4%
AI/AN		0.0	J.+70 	0	0.0	0.0%	0	0.0	J.076	0	0.0	
Asian/PI		0.0		1	40.3	1.3%	0	0.0		1	40.3	0.5%
Hispanic		22.4	64.9%	37	34.5	47.4%	47	43.8	45.2%	84	78.2	46.2%
White		9.4	29.7%	30	25.5	38.5%	47	40.0	45.2%	77	65.5	42.3%
Multi-race			0.0%	1		1.3%	0		0.0%	1		0.5%
	U		0.070	-		1.570	0		0.070	-		0.570
AGE												
13-24		15.4	21.6%	4	7.7	5.1%	3	5.8	2.9%	7	13.5	3.8%
25-34		31.5	35.1%	27	65.3	34.6%	9	21.8	8.7%	36	87.1	19.8%
35-44		27.1	24.3%	16	48.1	20.5%	23	69.2	22.1%	39	117.3	21.4%
45-54		11.8	10.8%	18	53.0	23.1%	32	94.2	30.8%	50	147.3	27.5%
55+	3	3.9	8.1%	13	17.0	16.7%	37	48.3	35.6%	50	65.3	27.5%
TRANSMISSION C	ATEG	ORY†										
MALE												
MSM	25		71.4%	38		64.4%	60		64.5%	98		64.5%
IDU	0		0.0%	5		8.5%	13		14.0%	18		11.8%
MSM/IDU	2		5.7%	4		6.8%	8		8.6%	12		7.9%
HRH	2		5.7%	3		5.1%	4		4.3%	7		4.6%
Other	0		0.0%	0		0.0%	1		1.1%	1		0.7%
NIR & NRR	6		17.1%	9		15.3%	7		7.5%	16		10.5%
FEMALE												
IDU	1		50.0%	2		10.5%	3		27.3%	5		16.7%
HRH	0		0.0%	15		78.9%	6		54.5%	21		70.0%
Other	0		0.0%	1		5.3%	1		9.1%	2		6.7%
NIR & NRR	1		50.0%	1		5.3%	1		9.1%	2		6.7%

NOTE: Due to rounding, percentages may not total to 100%.

<sup>\*</sup> Percentage represent the proportion of persons with either HIV or HIV Stage-3 infections from the total persons living with a diagnosis of HIV or Stage-3 HIV infection for the analysis year.

† Percentages represent the proportion of persons with the risk behavior from the total respective subgroup (e.g., the numerator was the number of male or females with a new HIV diagnosis and IDU divided by a denominator that was the total number of males or females, respectively).

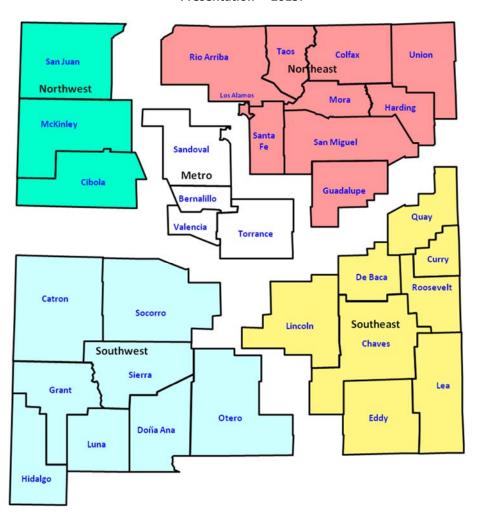
	2011	-2015 Diagn	oses of	2015	Persons	Living wi (AII		or HIV St	age-3	_		
		ши			HIV		HIV	Stage-3	(AIDS)		Total	
	N	Average Annual Rate	% of Total	N	Rate	% of Total	N	Rate	% of Total	N	Rate	% of Total
TOTAL	113	36.8		234	76.2	46.9%	265	86.3	53.1%	499	162.5	
SEX												
Male	96	63.1	85.0%	190	124.8	81.2%	225	147.8	84.9%	415	272.7	83.2%
Female	17	11.0	15.0%	44	28.4	18.8%	40	25.8	15.1%	84	54.2	16.8%
RACE/ETHNICITY												
African Am.	5	85.6	4.4%	13	222.6	5.6%	14	239.7	5.3%	27	462.2	5.4%
AI/AN	2	28.7	1.8%	5	71.7	2.1%	5	71.7	1.9%	10	143.5	2.0%
Asian/PI	1	25.4	0.9%	1	25.4	0.4%	0	0.0		1	25.4	0.2%
Hispanic	74	43.8	65.5%	148	87.7	63.2%	152	90.0	57.4%	300	177.7	60.1%
White	27	22.2	23.9%	63	51.8	26.9%	85	69.9	32.1%	148	121.8	29.7%
Multi-race	4		3.5%	4		1.7%	9		3.4%	13		2.6%
AGE				•			-					
13-24	22	30.6	19.5%	10	13.9	4.3%	6	8.3	2.3%	16	22.3	3.2%
25-34	35	76.7	31.0%	54	118.3	23.1%	19	41.6	7.2%	73	160.0	14.6%
35-44	26	67.2	23.0%	72	186.0	30.8%	59	152.4	22.3%	131	338.4	26.3%
45-54	18	43.3	15.9%	59	142.1	25.2%	89	214.3	33.6%	148	356.4	29.7%
55+	12	11.0	10.6%	39	35.7	16.7%	92	84.1	34.7%	131	119.8	26.3%
TRANSMISSION C	ATEGOR	ĽY⁺										
MSM	59		61.5%	109		57.4%	141		62.7%	250		60.2%
IDU	8		8.3%	17		8.9%	26		11.6%	43		10.4%
MSM/IDU	10		10.4%	16		8.4%	24		10.7%	40		9.6%
HTC	8		8.3%	17		8.9%	17		7.6%	34		8.2%
Other	0		0.0%	0		0.0%	2		0.9%	2		0.5%
NIR or NRR	11		11.5%	31		16.3%	15		6.7%	46		11.19
FEMALE												
IDU	3		17.6%	6		13.6%	12		30.0%	18		21.49
HTC	9		52.9%	20		45.5%	23		57.5%	43		51.29
Other	0		0.0%	0		0.0%	1		2.5%	1		1.2%
NIR or NRR	5		29.4%	18		40.9%	4		10.0%	22		26.29

NOTE: Due to rounding, percentages may not total to 100%.

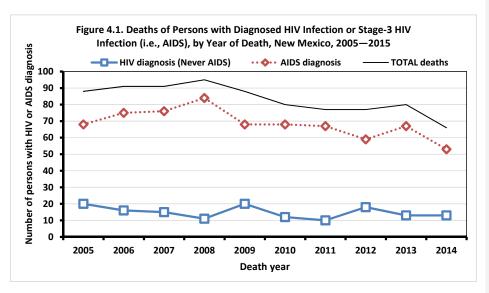
\* Percentage represent the proportion of persons with either HIV or HIV Stage-3 infections from the total persons living with a diagnosis of HIV or Stage-3 HIV infection for the analysis year.

† Percentages represent the proportion of persons with the risk behavior from the total respective subgroup (e.g., the numerator was the number of male or females with a new HIV diagnosis and IDU divided by a denominator that was the total number of males or females, respectively).

# Designation of Health Regions in New Mexico for Data Presentation — 2015.



<u>SECTION 4: Deaths and Survival after a Diagnosis of HIV Infection or Diagnosis of Stage-3 HIV Infection (i.e., AIDS)</u>



RI	SK CATEGORY
Sex w	rith male 🗆 Yes 🗆 No 🗆 Unknown Sex with female 🗆 Yes 🗆 No 🗆 Unknown Injected non-prescription drugs 🗆 Yes 🗀 No 🗆 Unknown
Recei	ved clotting factor before diagnosis □ Yes □ No □ Unknown If yes, specify □ Factor VIII □ Factor IX □ Other
Recei	ved transfusion of blood components before diagnosis 🗆 Yes 🖾 No 🗀 Unknown If yes, specify year First Last
Recei	ved tissue/organ transplant or artificial insemination before diagnosis 🗆 Yes 🗆 No 🗆 Unknown If yes, specify year
	ed in health-care or clinical laboratory setting before diagnosis   Yes   No   Unknown   If yes, specify year TEROSEXUAL RELATIONS WITH ANY OF THE FOLLOWING (applies only to those reporting heterosexual contact):
	Injection drug user   Yes   No   Unknown   Bisexual male   Yes   No   Unknown
	Person with hemophilia/coagulation disorder   Yes   No   Unknown   Transfusion recipient  Yes  No  Unknown
	Transplant recipient  Yes  No Unknown Person with documented HIV Infection or AIDS Yes  No Unknown

Table 4.1. Survival for More Than 12, 36, and 60 Months After Stage-3 HIV Infection (i.e., AIDS) Classification by Selected Characteristics, New Mexico, 2006--2010 Period of survival after Stage-3 HIV infection (i.e., AIDS) diagnosis **Total Number Stage-3 HIV** infection (i.e., AIDS) diagnoses > 12 months > 36 months > 60 months Ν Ν % Survived N % Survived Ν % Survived TOTAL 822 91.2% 86.4% 682 83.0% 750 710 SEX 91.7% 86.9% 602 83.6% Male 720 660 626 Female 102 90 88.2% 84 82.4% 80 78.4% RACE/ETHNICITY 52 49 94.2% 86.5% 44 84.6% African Am. 45 AI/AN 108 98 90.7% 88 81.5% 79 73.1% 100.0% 100.0% Asian/PI 8 8 8 7 87.5% Hispanic 346 316 91.3% 303 87.6% 292 84.4% White 289 261 90.3% 249 86.2% 243 84.1% Multi-race 19 18 94.7% 17 89.5% 17 89.5% AGE 54 96.4% 13-24 56 55 98.2% 96.4% 54 25-34 195 181 92.8% 173 166 85.1% 88.7% 35-44 301 278 92.4% 264 87.7% 256 85.0% 45-54 187 171 91.4% 160 85.6% 150 80.2% 55+ 83 65 78.3% 59 71.1% 56 67.5% TRANSMISSION CATEGORY\* MALE MSM 462 436 94.4% 420 90.9% 406 87.9% 44 86.4% 68.2% IDU 38 33 75.0% 30 MSM/IDU 93 87 93.5% 80 86.0% 76 81.7% HTC 37 34 91.9% 33 89.2% 32 86.5% 0 0 0 0.0% 0.0% Ω 0.0% Other NIR or NRR 84 65 77.4% 60 71.4% 58 69.0% **FEMALE** IDU 29 28 96.6% 24 82.8% 23 79.3% HTC 47 43 91.5% 42 89.4% 40 85.1% Other 3 2 66.7% 2 66.7% 66.7% 2 NIR or NRR 23 17 73.9% 16 69.6% 15 65.2% YEAR of STAGE-3 HIV INFECTION (i.e., AIDS) CLASSIFICATION 156 89.1% 127 81.4% 2006 139 130 83.3% 2007 185 169 91.4% 161 87.0% 156 84.3% 2008 167 153 91.6% 146 87.4% 137 82.0% 2009 172 157 91.3% 150 87.2% 144 83.7% 2010 142 132 93.0% 123 86.6% 118 83.1% NOTE: Due to rounding, percentages may not total to 100%.

Earliest HIV diagnosis date	Test type(s)	□ EIA/ELISA	□ WB	□ Multispot	☐ detectable viral loa	ndcopies/n
Residence at HIV diagnosis	8760	F	acility o	f HIV diagnos	sis	
1	(City, State, Zip code)				(Name, City	; State, Zip code)
Ever progressed to AIDS   Yes   No	Unknown (if No or	Unknown, skip ti	his section	)		
	□ Unknown (if No or			5)	□ CD4 % <	: 14
Ever progressed to AIDS	□ Unknown (if No or	Unknown, skip ti  ☐ CD4 count		5)		: 14(CD4 % result)

#### **DATA SOURCES**

#### HIV CASE SURVEILLANCE DATA

All cases of persons with HIV infection or Stage-3 HIV infection (*i.e.*, AIDS) who are diagnosed or treated in New Mexico are required by the New Mexico Administrative Code (Section 7.4.3) to be reported to HIVSEP. All laboratory-confirmed positive HIV antibody tests, tests for HIV RNA or HIV bDNA (*i.e.*, viral loads), tests to detect HIV proteins, any positive HIV culture, or any other tests or conditions indicative of HIV infection or Stage-3 HIV infection, including opportunistic infections, are reportable to HIVSEP. AIDS has been a statutorily reportable condition in the state of New Mexico since 1988; HIV has been reportable since 1998. As of February 29<sup>th</sup>, 2014, all CD4 lymphocyte counts and percentages are also reportable.

Initially established in 1983 to track people newly diagnosed with AIDS, the surveillance system was expanded in 1998 to include HIV reporting. Standardized case report forms are used to collect sociodemographic information, transmission risk categories, laboratory and clinical information, perinatal exposure, vital status, and referrals for treatment or services. To allow for reporting delays, 2015 data are considered complete at the end of December 2015.

#### **POPULATION DATA**

New Mexico population data presented here were obtained via the NMDOH IBIS-Q query module (https://ibis.health.state.nm.us/query/builder/pop/PopMain/Count.html) and represent revised estimates from the University of New Mexico, Geospatial and Population Studies (GPS; http://www.unm.edu/~bber). GPS conducts economic and demographic research and analysis related to New Mexico and provides population estimates for New Mexico based on 2011 U.S. Census Tracts. Intercensal population estimates were re-calculated after the release of the 2011 census, so they will not match earlier 2000 postcensal estimates from GPS. Race/ethnicity categorizations were completed by NMDOH.

# STRENGTHS AND LIMITATIONS

HIV surveillance reports may not be representative of all persons infected with HIV because not all infected persons have been tested and reported to HIVSEP. Some persons infected with HIV may have been tested anonymously; these persons are not included in this report. It is also possible that some tested and HIV positive persons have not been reported to HIVSEP. The data presented in this report provide a minimum estimate of New Mexico residents known to be infected with HIV.

Due to the ongoing nature of HIV data collection, readers may notice differences between the statistics reported across annual reports. These differences result from a variety of factors including: the national interstate de-duplication process (*i.e.*, Routine Interstate De-Duplication Report), eHARS database conversions and updates, data quality checks, and occasional redefinition of terms. As it is difficult for HIVSEP to monitor migration of individuals into and out of New Mexico, the most recent known residential address may not reflect current residency.

Another consideration involves incidence estimation. To monitor the epidemic, it is ideal to estimate 'true incidence' using the date of infection. There exist specific laboratory methods that can estimate the date of infection; however, these methods are not available in New Mexico. Therefore, because the actual date of infection for an individual is not known, this report emphasizes new diagnoses of HIV rather than incidence of HIV infection.

Persons who have tested anonymously or who tested outside New Mexico and are not currently seeking care in New Mexico may not have been reported to HIVSEP. Thus, though these data may be used to monitor the HIV epidemic, they may be influenced by testing behavior, treatment outcomes, and access to medical care or services that follow HIV infection. Despite these limitations, HIV surveillance data is more than 85% complete.<sup>2</sup> For this reason, epidemiologic data are one of the major sources to inform both HIV prevention and HIV care planning.

Lastly, in some instances, analyses in this report were conducted using a small number of events (e.g., the number of diagnoses of HIV infection within a certain age group). A small number of events can lead to concerns about statistical reliability and validity. Over time, small numbers may fluctuate due to random variation, rather than true changes in the epidemic. Readers are cautioned against drawing formal conclusions from data included in this report that may be subject to reliability and validity concerns. Please contact HIVSEP with any questions or concerns you may have about any of the estimates published in this report.

# **TECHNICAL NOTES**

# NEW DIAGNOSES OF HIV INFECTION

These data include persons newly diagnosed with HIV infection during a calendar year. This may include people that meet the CDC surveillance definition for Stage-3 (AIDS) at the time they were initially diagnosed with HIV infection (*i.e.*, concurrent diagnosis). The number of new HIV diagnoses in New Mexico includes only persons who were first reported with HIV infection while residents of New Mexico. Persons moving to New Mexico already diagnosed with HIV infection were excluded if they were previously reported in another state. Age-group assignment was based on the person's age at the time of diagnosis.

#### PERSONS LIVING WITH DIAGNOSED HIV INFECTION

These data include persons living with diagnosed HIV infection, including those with a Stage 3 (AIDS) classification, as of December 31, 2015. To be included in these data, persons living with HIV infection must have been alive and living in New Mexico as of December 31, 2015; residence at time of HIV diagnosis or Stage 3 (AIDS) classification was not considered. The most recent known residential address was used to determine whether persons were included. Agegroup assignment was based on the person's age as of December 31, 2015. Persons reported to HIVSEP are assumed alive until their death is reported to HIVSEP. The NMDOH Bureau of Vital

<sup>&</sup>lt;sup>2</sup> Hall HI, Song R, Gerstle JE III, Lee LM (on behalf of the HIV/AIDS Reporting System Evaluation Group) (2006) Assessing the completeness of reporting of human immunodeficiency virus diagnoses in 2002–2003: capture-recapture methods. Am J Epidemiology. 164:391–397.

Records and Health Statistics provides annual mortality data to update vital status and to determine cause of death.

#### RACE AND ETHNICITY

HIVSEP collects race and ethnicity data according to the U.S. Department of Health and Human Services Office of Management and Budget (OMB) standards.<sup>3</sup> These standards provide five categories for data collection regarding race: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or other Pacific Islander, and White. Given the composition of New Mexico's population, HIVSEP combines Native Hawaiian or other Pacific Islander with Asian. This modification of the OMB standards minimizes the impact of small numbers on the stability of published estimates. The OMB standards also provide two categories for ethnicity (independent of race): Hispanic or Latino, and Not Hispanic or Latino. In this report, race and ethnicity groups were calculated according to NMDOH guidelines. These guidelines combine race and ethnicity into a single construct for data presentation. Persons of Hispanic or Latino ethnicity were classified as Hispanic without consideration of reported race. Persons not of Hispanic or Latino ethnicity were classified according to race.

HIVSEP recognizes that categories in this classification are social-political constructs and does not interpret them as being biologic or anthropologic in nature; rather, the categories provide a common language for uniformity and comparability in the collection and use of data on race and ethnicity.

# TRANSMISSION CATEGORIES

HIVSEP summarizes a person's possible HIV risk factors using a hierarchical order of possible risks for transmission. Persons whose transmission category is classified as MSM (male-to-male sexual contact) include men who report sexual contact with other men and men who report sexual contact with both men and women. Persons whose transmission category is classified as Probable Heterosexual Contact (HRH) include persons who report heterosexual contact with a person known to have, or to be at high risk for, HIV infection (e.g., heterosexual sexual contact with bi-sexual males, injection drug users, persons with hemophilia, HIV-infected transfusion recipient, or other HIV-infected persons with unknown risk) as well as persons who report heterosexual contact while simultaneously denying all other risk factors. Persons whose transmission category is classified as IDU are persons who report injecting illicit or nonprescription drugs. Except for men who report sexual contact with other men and injection drug use, persons with more than one reported risk factor are classified according to the category listed first in the hierarchy. Men who report sexual contact with other men and injection drug use comprise a separate transmission risk category, MSM/IDU. Persons with no reported exposure to HIV through any of the categories in the hierarchy are classified as "no risk factor reported or identified" (NRR or NIR). The "other" category includes hemophilia, blood transfusion, and perinatal exposure.

<sup>&</sup>lt;sup>3</sup> Federal Register (October 30, 1997) Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity (Notice of Decision) 26:210, 58782.

#### NEW MEXICO PUBLIC HEALTH REGIONS

The Northwest Region is comprised of Cibola, McKinley, and San Juan counties. The Northeast Region is comprised of Colfax, Guadalupe, Harding, Mora, Los Alamos, Rio Arriba, San Miguel, Santa Fe, Taos, and Union counties. Bernalillo, Sandoval, Torrance, and Valencia counties have been designated as the Metropolitan Region. The Southeast Region is comprised of Chaves, Curry, De Baca, Eddy, Lea, Lincoln, Quay, and Roosevelt counties. Catron, Dona Ana, Grant, Hidalgo, Luna, Otero, Sierra, and Socorro counties comprise the Southwest Region.

#### **RATES**

Rates per 100,000 population were calculated using population denominators provided by the Geospatial and Population Studies (GPS), located at the University of New Mexico. Rates were calculated by dividing the total number of events of interest (e.g., new diagnoses of HIV infection) during the time period of interest (e.g., a calendar year) by the population for that time period, and multiplying by 100,000.

# CORRECTIONAL FACILITIES AND OTHER INSTITUTIONS

Persons imprisoned in a state or county correctional or detention facility, or who were housed in a residential facility (e.g., drug treatment facility), were included in the data presented unless otherwise noted.

EIA/ELISA	Collection date	Result Dositive	□ Negative	
Western Blot	Collection date	Result Desitive	□ Negative □	□ Indeterminate
Multispot	Collection date	Result 🗆 HIV-1	□ HIV-2	□ HIV-1 p24 Ag
Viral Load	Collection date	Result	copies/	ml <u>OR</u> □ Detected (qualitative)
CD4	Collection date	Result	ct	%

#### **ACRONYMS**

AA African American

AI/AN American Indian/Alaskan Native
AIDS Acquired Immunodeficiency Syndrome

Asian/PI Asian or Pacific Islander

CDC Centers for Disease Control and Prevention

DPT Disease Prevention Team

eHARS Enhanced HIV/AIDS Reporting System
GPS Geospatial and Population Studies
HARS HIV/AIDS Reporting System
HIV Human Immunodeficiency Virus

HRH High-risk heterosexual IDU Injection Drug User

MSM Men who have sex with men

MSM/IDU Male injection drug users who have sex with men

NIR/NRR No identified risk/No reported risk

NM New Mexico

NMDOH New Mexico Department of Health

SEP?

STI Sexually Transmitted Infection

# **DEFINITIONS**

<u>eHARS (ENHANCED HIV/AIDS REPORTING SYSTEM</u>): A database that uses web-based technology for expanded, document-based collection of HIV-related surveillance data.

HRH (PROBABLE HETEROSEXUAL CONTACT): Persons who have any history of heterosexual contact with a partner having any history of injection drug use; a bi-sexual male (applies to females only); a person having any history of hemophilia/coagulation disorder; a person having any history of receiving a blood transfusion; a person having any history of receiving an organ transplant; or, a person known to have HIV infection. Alternatively, persons with a history of heterosexual contact and no other risk for HIV infection.

<u>HIV (HUMAN IMMUNODEFICIENCY VIRUS)</u>: Diagnosis of HIV infection is defined by either 1) a confirmed positive result on a screening test for HIV antibody (e.g., reactive enzyme immunoassay), followed by a positive result on a confirmatory test for HIV antibody (e.g., Western blot or immunofluorescence antibody test); or 2) a positive result or a detectable quantity on a virologic test (e.g., polymerase chain reaction, neutralization assay, or culture).

<u>IDU (INJECTION DRUG USER)</u>: Persons who have any history of receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician for this person. This includes illicit drugs as well as prescription drugs (e.g., estrogen, testosterone, anabolic steroids, or human growth hormone) that were not prescribed for this person.

<u>MSM (MEN WHO HAVE SEX WITH MEN)</u>: Men who have a history of sexual contact with men or with both men and women.

<u>NIR (NO IDENTIFIED RISK)</u>: Persons who have no identified history of risk of exposure to HIV, as defined by the CDC. Persons reported with no identified risk can be under investigation, have incomplete histories because they have died, have refused to divulge their history, or have been lost to follow up.

<u>OTHER (OTHER RISK)</u>: Persons who have a history of hemophilia or coagulation disorder, receipt of blood transfusion, blood components or tissue, or persons who have any of the adolescent/adult risk factors for HIV infection which occurred before age 13 years or who were born to a mother with HIV infection.

<u>STAGE-3 HIV INFECTION (i.e., AIDS)</u>: Diagnosis of Stage-3 HIV Infection (i.e., AIDS) is defined by a confirmed HIV positive test along with either 1) a CD4 positive lymphocyte count < 200; 2) a CD4 positive lymphocyte count < 14% of total lymphocytes; or 3) any of 26 opportunistic infections indicative of Stage 3 (AIDS).

#### NMDOH RESOURCES

# HIV SURVEILLANCE & EPIDEMIOLOGY PROGRAM

Conducts state-wide surveillance and analysis of HIV. (505) 476-3515

http://nmhealth.org/about/erd/ideb/haep/

# **HIV PREVENTION PROGRAM**

Supports community planning and HIV prevention and HIV testing activities across the state, including training, capacity building, funding, and oversight. (505) 476-3612

http://nmhealth.org/about/phd/idb/happ/

# **HIV SERVICES PROGRAM**

Supports a statewide array of providers in the Health Management Alliance (HMA) network that provide case management, medical care and support services for people with HIV/AIDS. (505) 476-3628

NEW MEXICO HIV, STD AND HEPATITIS RESOURCE GUIDE www.nmhivguide.org

#### COMMUNITY PARTNERS

# NEW MEXICO HIV PREVENTION COMMUNITY PLANNING AND ACTION GROUP (CPAG)

This group is co-chaired by representatives from NMDOH, the community, and persons living with HIV. The CPAG collaborates with NMDOH to develop a statewide Comprehensive HIV Prevention Plan

www.nmcpag.org/

### HIV SERVICE PROVIDERS (HSP)

HSPs are non-profit organizations that offer comprehensive services including medical and case management, support, and prevention for HIV

#### **NEW MEXICO AIDS SERVICES (NMAS)**

Based in Albuquerque and serves the metro area and northwestern New Mexico (888) 882-2437

www.nmas.net

# UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER, TRUMAN STREET CLINIC

Based in Albuquerque and serves the metro area and northwestern New Mexico in collaboration with New Mexico AIDS Services (505) 272-1312

http://www.unmtruman.com/

# FIRST NATIONS COMMUNITY HEALTH SOURCE

Based in Albuquerque and serves the American Indian/Alaska Native community (505) 262-2481

www.fnch.org

# SOUTHWEST CARE CENTER (SWCC)

Based in Santa Fe and serves northeastern New Mexico (888) 320-8200

www.southwestcare.org

# <u>ALIANZA OF NEW MEXICO</u>

Based in Roswell and serves southern New Mexico (800) 957-1995

http://www.alianzaofnewmexico.org/

#### COMMUNITY COLLABORATIVE CARE (CCC)

Based in Las Cruces and serves south-central New Mexico (575) 528-5001

http://nmhealth.org/about/phd/region/sw/cccp/













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