

NEWARK EMA



2016 HIV/AIDS EPIDEMIOLOGICAL PROFILE

**HIV Surveillance Data as of
December 31, 2015**

August 2016

NEWARK EMA
2016 HIV/AIDS EPIDEMIOLOGICAL PROFILE
Data as of December 31, 2015

Table of Contents

HIV/AIDS Data as of 12/31/15 1
TRENDS in HIV/AIDS Data 2006 to 2015 6
 Findings Re Trends 6
DATA TABLES 2015..... 11

List of Tables

Table 1: PLWHA as of 12/31/15.....1
Table 2: PLWHA in EMA’s Five Largest Cities.....5

List of Figures

Figure 1: Distribution of PLWHA by County, 12/31/15.....1
Figure 2: Distribution of PLWHA by AIDS and HIV (Not AIDS) within County - 2015.....1
Figure 3: Distribution of PLWHA by Gender within County - 2015.....2
Figure 4: Distribution of PLWHA by Age Category - 2015.....2
Figure 5: Distribution of PLWHA by Age Category within County - 20153
Figure 6: Distribution of PLWHA by Race/Ethnicity within County - 20153
Figure 7: Distribution of PLWHA by Exposure Category in Newark EMA - 20154
Figure 8: Distribution of Male PLWHA by Male Exposure Category Within County - 2015.....4
Figure 9: Distribution of Female PLWHA by Female Exposure Category Within County – 2015.....4
Figure 10: Distribution of PLWHA by 5 Largest Cities and Rest of NEMA.....5
Figure 11: PLWHA in Newark EMA 2006 - 20157
Figure 12: PLWHA in Newark EMA by Gender 2006 - 2015.....7
Figure 13: PLWHA in Newark EMA by Race/Ethnicity 2006 - 20158
Figure 14: PLWHA in Newark EMA by Age Category 2007 - 20158
Figure 15: Male PLWHA in Newark EMA by Transmission Mode 2006 - 20159
Figure 16: Female PLWHA in Newark EMA by Transmission Mode 2006 - 20159
Figure 17: Distribution of PLWHA in Newark EMA by County/Region 2006 - 201510
Figure 18: Urban Concentration of PLWHA in 5 Cities in Newark EMA 2006 - 2015.....10

2016 EPI PROFILE - Newark EMA

HIV/AIDS Data as of 12/31/15

Table 1: PLWHA as of 12/31/15

County	PLWHA
Essex	9,716
Union	2,866
Morris	867
Sussex	173
Warren	179
Total-NEMA	13,801
MSW	1,219
	8.8%

Figure 1: Distribution of PLWHA by County, 12/31/15

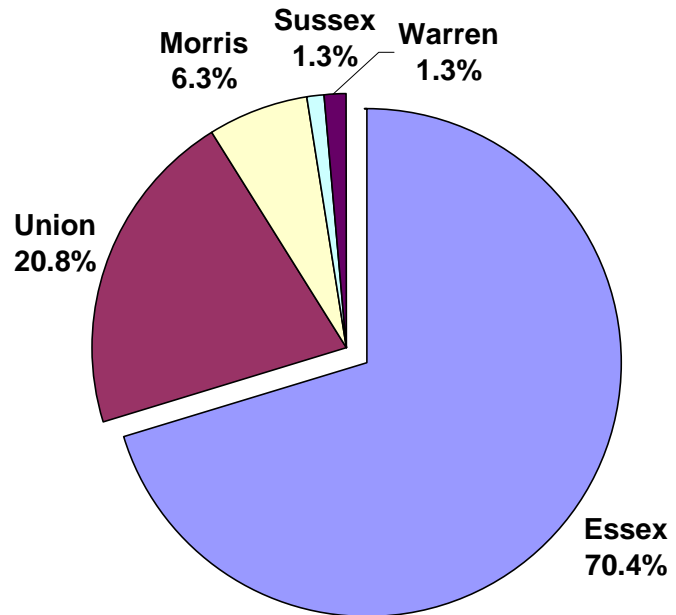


Figure 2: Distribution of PLWHA by AIDS and HIV (Not AIDS) within County - 2015

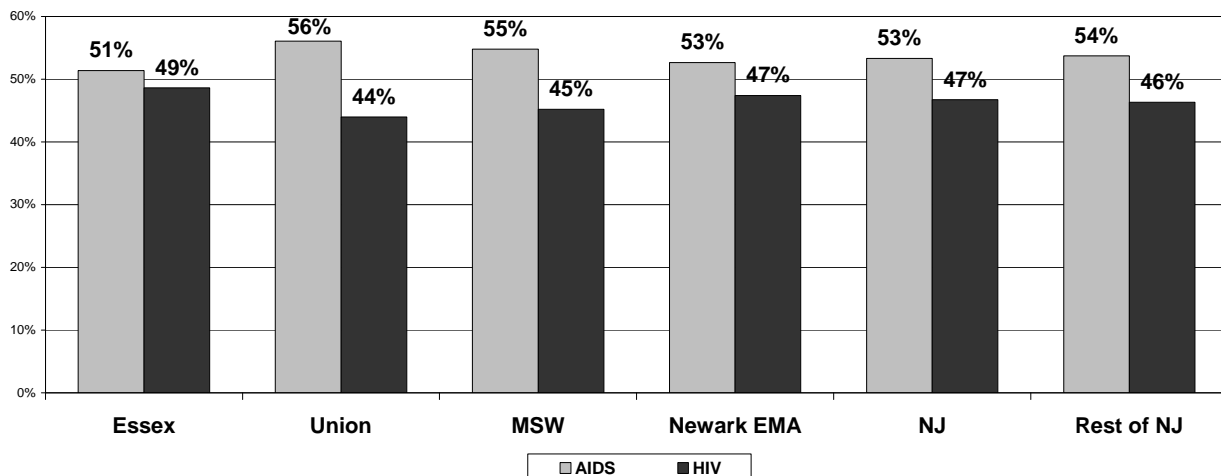
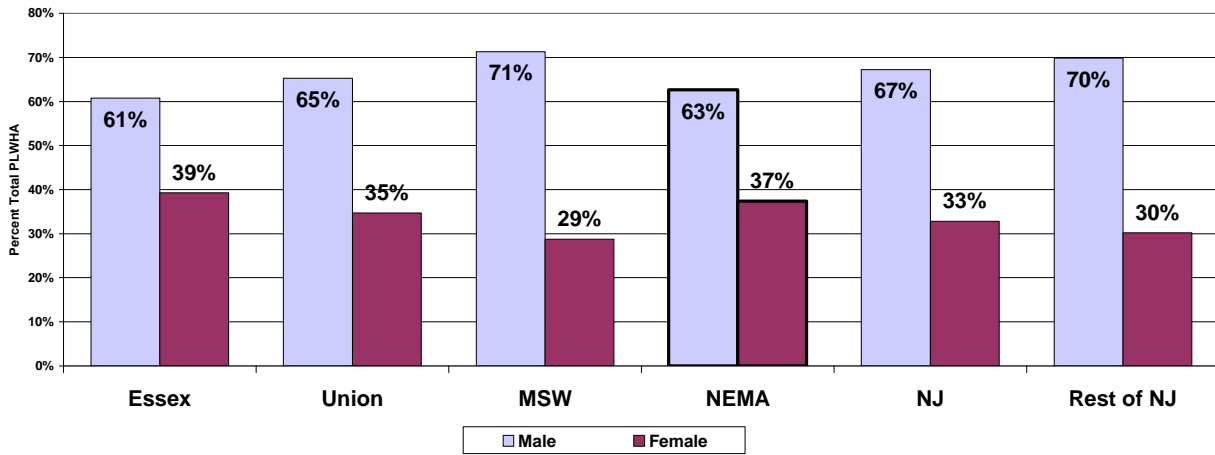


Figure 3: Distribution of PLWHA by Gender within County - 2015



The percent of female PLWHA in the EMA has declined from 40% through 2010 to 37% as of 2015.

Figure 4: Distribution of PLWHA by Age Category - 2015

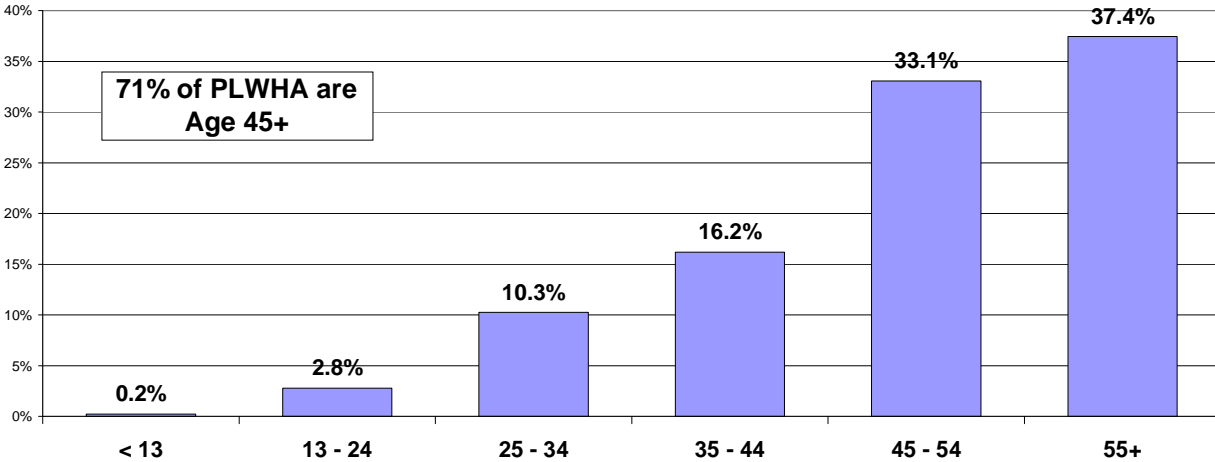
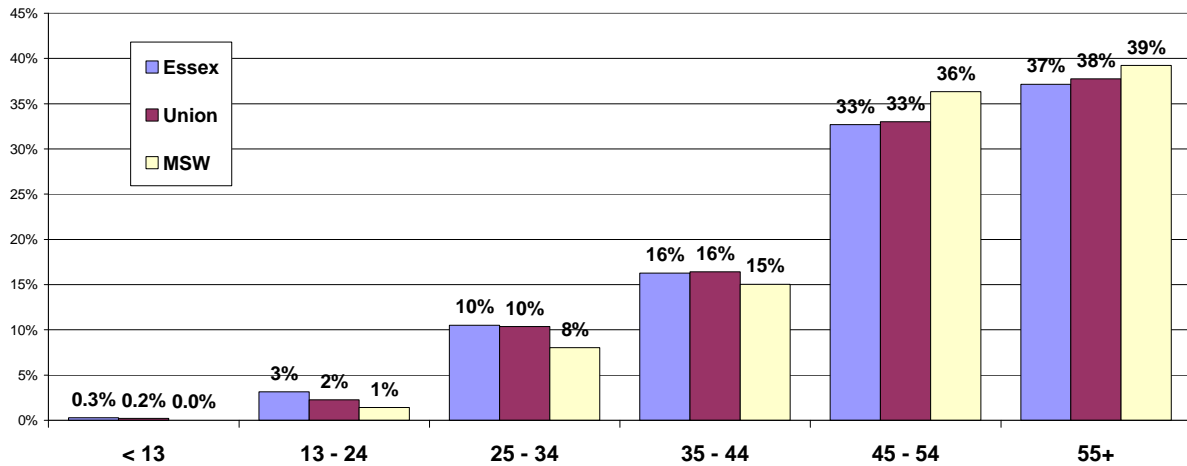


Figure 5: Distribution of PLWHA by Age Category within County - 2015



Percent of PLWHA Age 45+ by County:	Essex	70%	Up from 69% in 2014
	Union	71%	Up from 69% in 2014
	MSW	76%	Up from 74% in 2014

Figure 6: Distribution of PLWHA by Race/Ethnicity within County - 2015

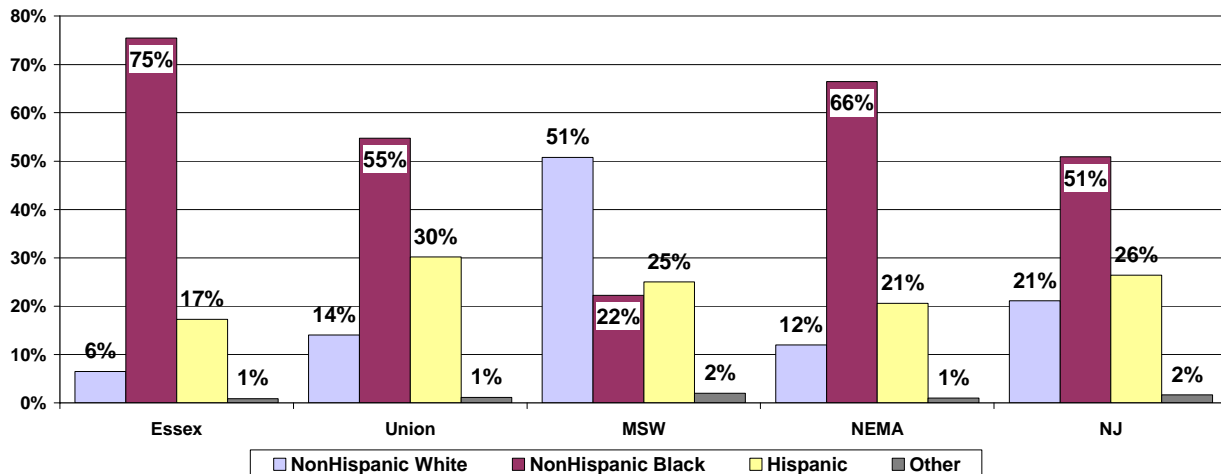


Figure 7: Distribution of PLWHA by Exposure Category in Newark EMA - 2015

Heterosexual exposure is the leading mode of transmission EMA-wide followed by Men who have Sex with Men (MSM) and Injection Drug Use (IDU). MSM replaced IDU as 2nd leading cause in 2013. In 2015 MSM continues to be the leading cause among males, for the second time in 16 years.

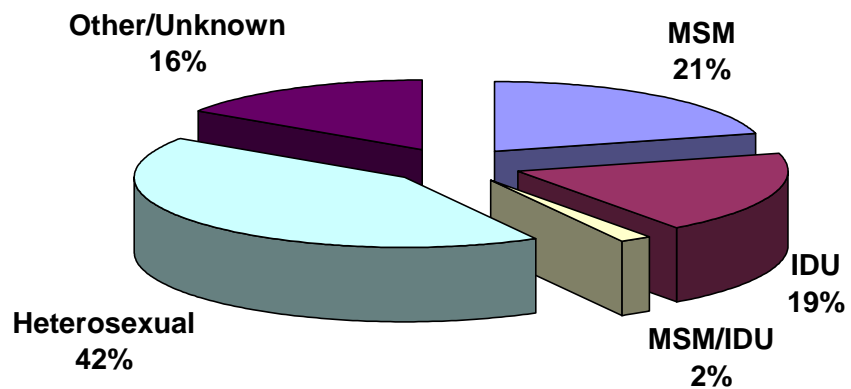


Figure 8: Distribution of Male PLWHA by Male Exposure Category Within County - 2015

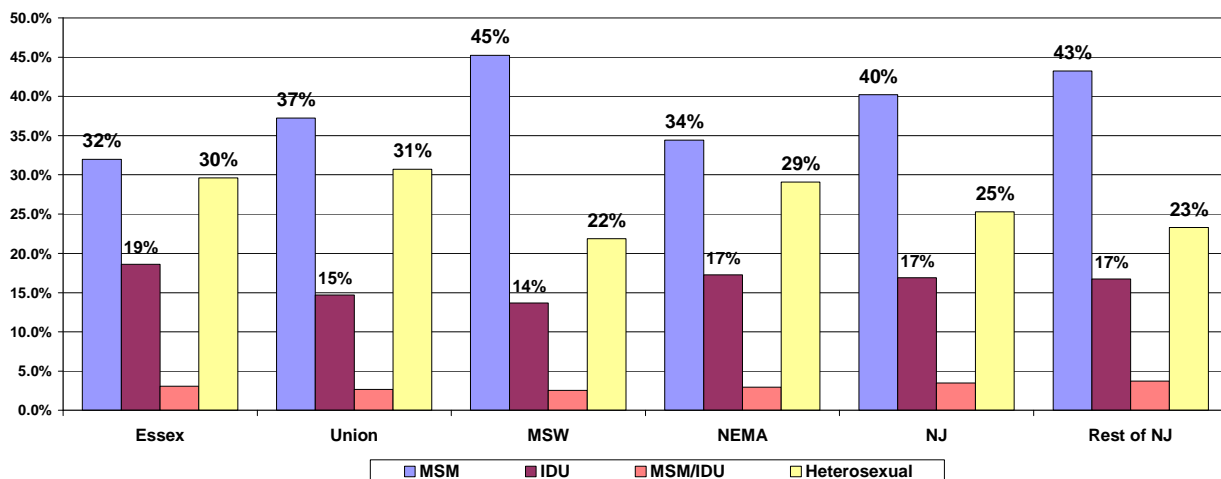


Figure 9: Distribution of Female PLWHA by Female Exposure Category Within County – 2015

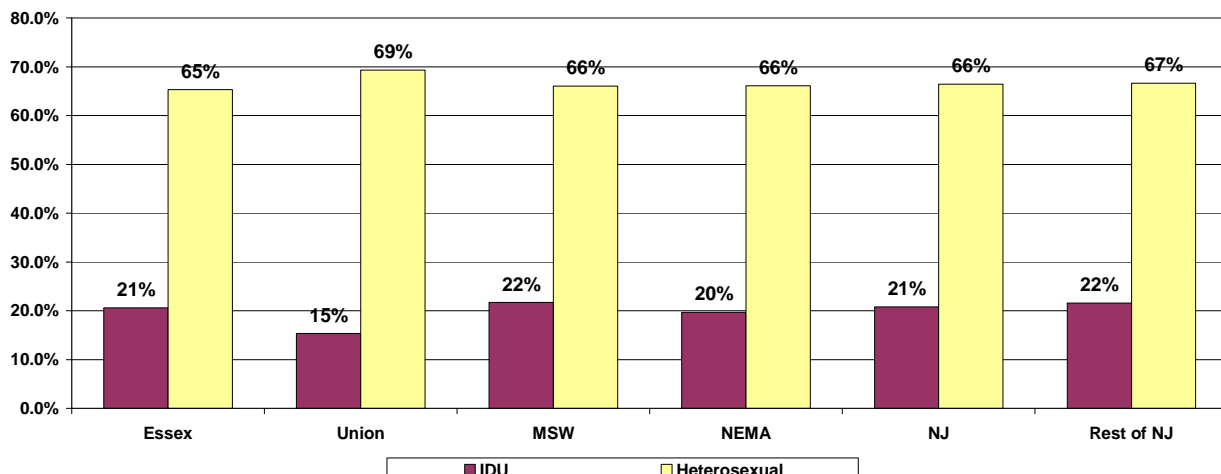


Figure 10: Distribution of PLWHA by 5 Largest Cities and Rest of NEMA

71% of the EMA’s PLWHA reside in its five largest cities. While this is a decline from the 74% in 2011, the total number of 9,823 PLWHA including 5,750 in Newark is very high. Resources must still be targeted to these five cities.

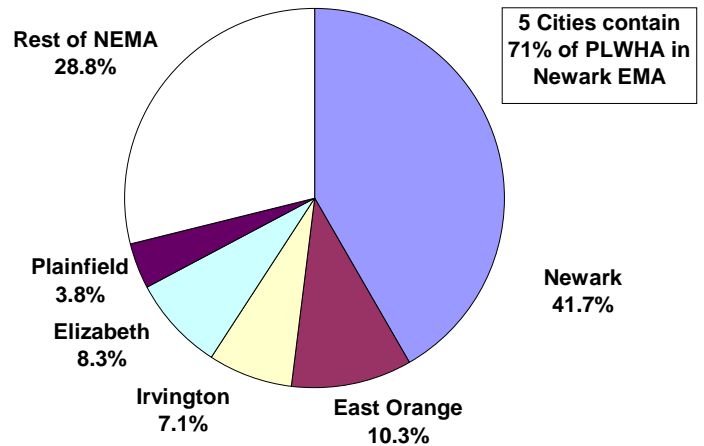


Table 2: PLWHA in EMA’s Five Largest Cities

City	PLWHA	% NEMA
Newark	5,750	41.7%
East Orange	1,421	10.3%
Irvington	979	7.1%
Elizabeth	1,146	8.3%
Plainfield	527	3.8%
TOTAL	9,823	71.2%

TRENDS in HIV/AIDS Data 2006 to 2015

Findings Re Trends¹

- **Total PLWHA** - The HIV epidemic in the Newark EMA saw a **slight decline of -157 (-1.1%) to 13,801 as of 12/31/15**, down from 13,958 as of 12/31/14. This is due to a change in CDC's method of determining current residence, which resulted in a decline of over 800 in PLWHA statewide.² The EMA's decline reflects the CDC data adjustment.
- **Gender** – The **percent of female PLWHA is declining** within the total epidemic – from **40% in 2009 to 37% in 2014 and in 2015**. Male percentage is increasing, as the EMA's epidemic is slowly becoming like the state and national epidemic.
- **Race/Ethnicity** – The epidemic consists of a **majority (87%) of racial/ethnic minority population**. However, the demographics continue to shift. As a percent of PLWHA, there was a **decline from 74% to 66% among African Americans and an increase from 14% to 21% among Hispanic/Latinos 2006-2015**. There has been no change among NonHispanic Whites and Other.
- **Age** – The EMA continued to experience an **aging epidemic, with 37% of PLWHA age 55 or older and 71% older than age 45**. PLWHA age 35-44 dropped from 32% of the epidemic in 2006 to 16% in 2014. However, the **younger PLWHA remained constant** with those age 25-34 at 10% of PLWHA and Youth age 13-24 at above 3% of PLWHA. Pediatric cases are 0.2% of the epidemic.
- **Transmission Mode**
 - **Males** – The transmission mode for males has changed dramatically in the Newark EMA. The leading cause in 2006 at 31% – Heterosexual – has dropped to #2 at 29% in 2015. The 2nd leading cause – IDU – dropped from 28% in 2006 to 17% in 2015 and is 3rd. **In 2015 the leading transmission mode is MSM at 34%, up from 24% in 2006.**
 - **Females** – There has been minimal change in transmission mode for females from 2006 to 2014. Heterosexual remained #1 rising from 61% to 66% and IDU at #2 declined from 28% to 20%. The decline in IDU corresponds to trends among males and the decline in injection drug use in the EMA. The substance abuse epidemic continues in the EMA, but primary methods of use are snorting, sniffing and other non-injection modes.
- **Geography** – The epidemic continues to **slowly spread outside of Essex County** to Union County and the Morris, Sussex, Warren region. From 2006-2015, the percent of NEMA PLWHA in Essex County declined from 74% to 71%, increased in Union from 19% to 21% and increased in the Morris, Sussex, Warren region from 7% to 9%.
 - Likewise, although the EMA epidemic is concentrated in its urban areas, the 5 largest cities (Newark, East Orange, Irvington, Elizabeth, Plainfield) accounted for only 71% or 9,823 PLWHA, down from 72% in 2014.

¹ Note: NJ Dept. Health did not publish HIV surveillance data by county and municipality ("county and municipal statistics") for year ending 12/31/2011.

² NJ Dept. of Health. New Jersey HIV/AIDS Report December 31, 2015. As of December 2015, over 800 persons previously reported as living with HIV/AIDS in New Jersey (June 2015 HIV/AIDS Report) were no longer considered New Jersey residents. This decrease in persons living with HIV/AIDS in New Jersey is an artifact of changes made in the CDC's method of determining current residence.

Figure 11: PLWHA in Newark EMA 2006 - 2015

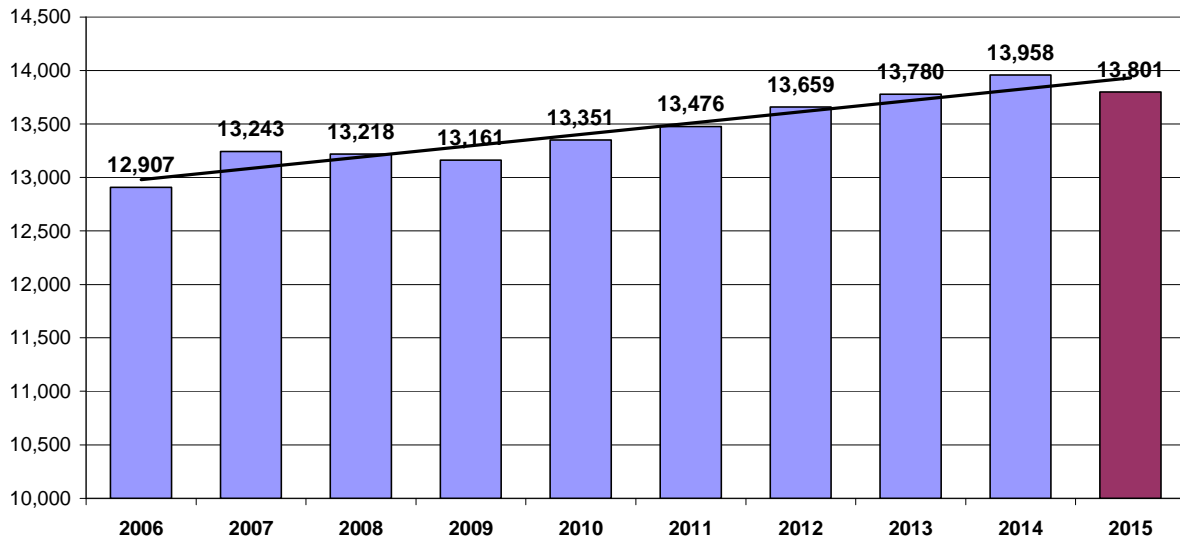


Figure 12: PLWHA in Newark EMA by Gender 2006 - 2015

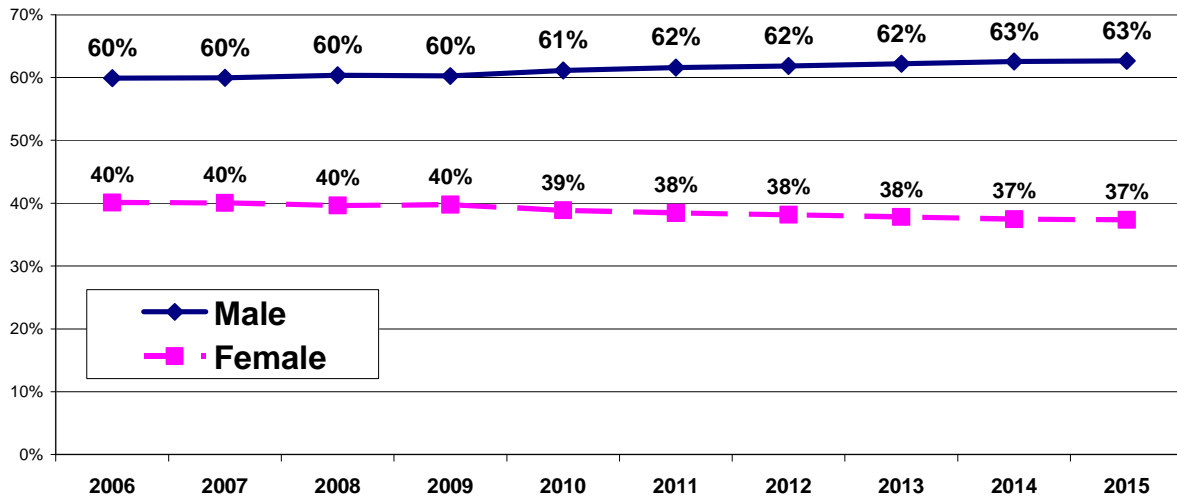


Figure 13: PLWHA in Newark EMA by Race/Ethnicity 2006 - 2015

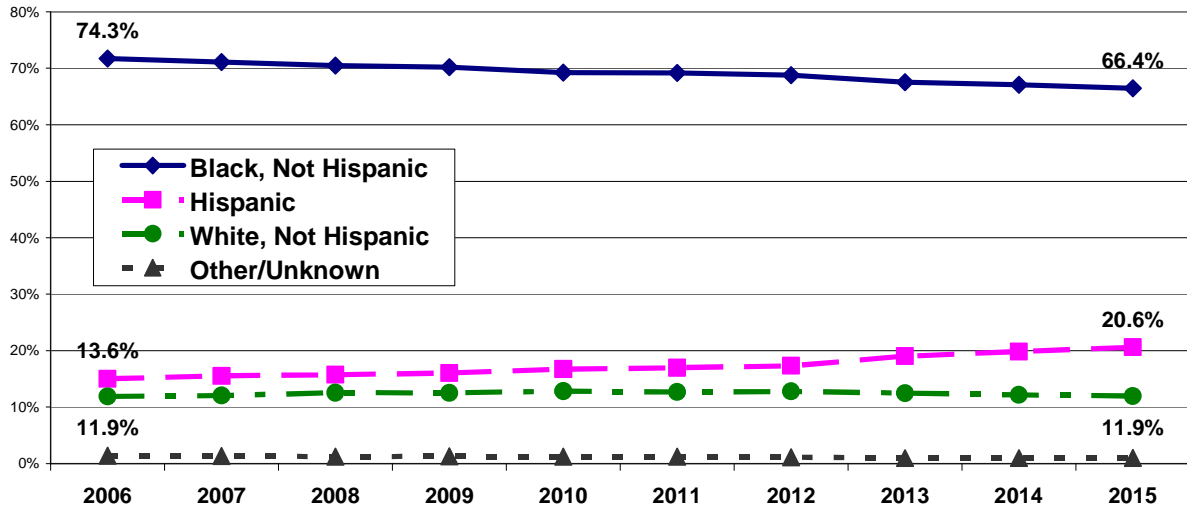


Figure 14: PLWHA in Newark EMA by Age Category 2007 - 2015

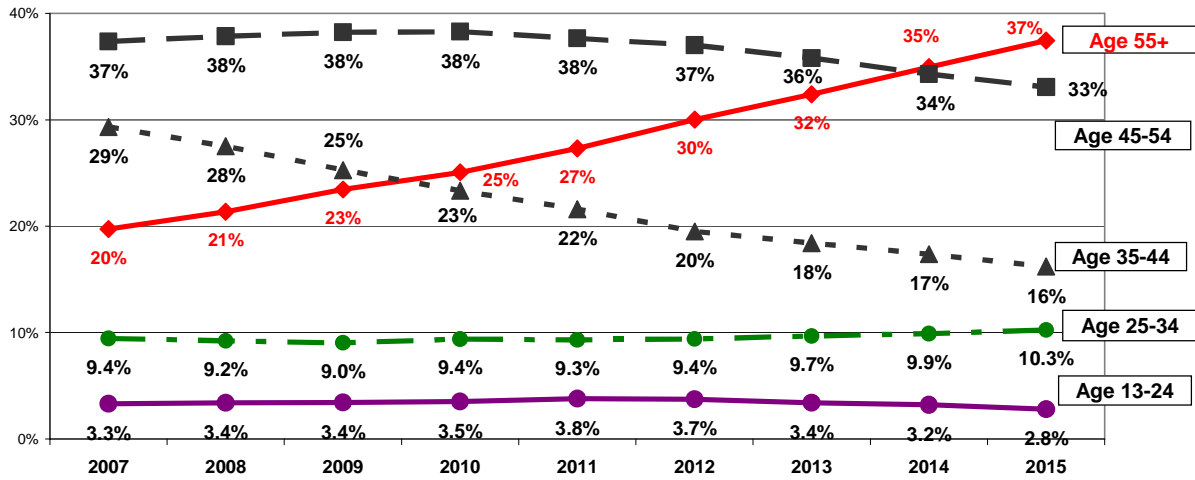


Figure 15: Male PLWHA in Newark EMA by Transmission Mode 2006 - 2015

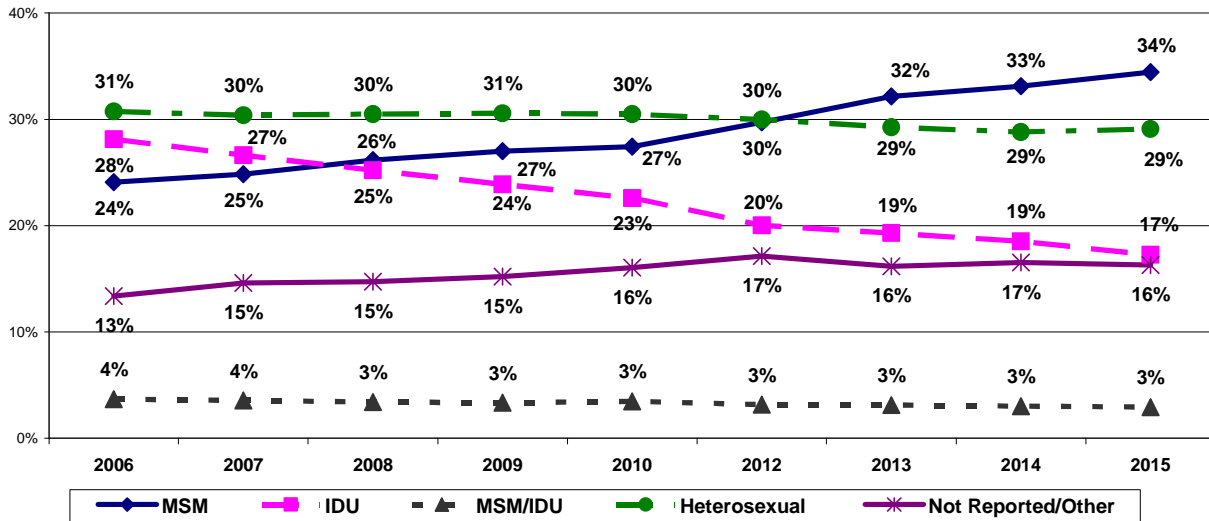


Figure 16: Female PLWHA in Newark EMA by Transmission Mode 2006 - 2015

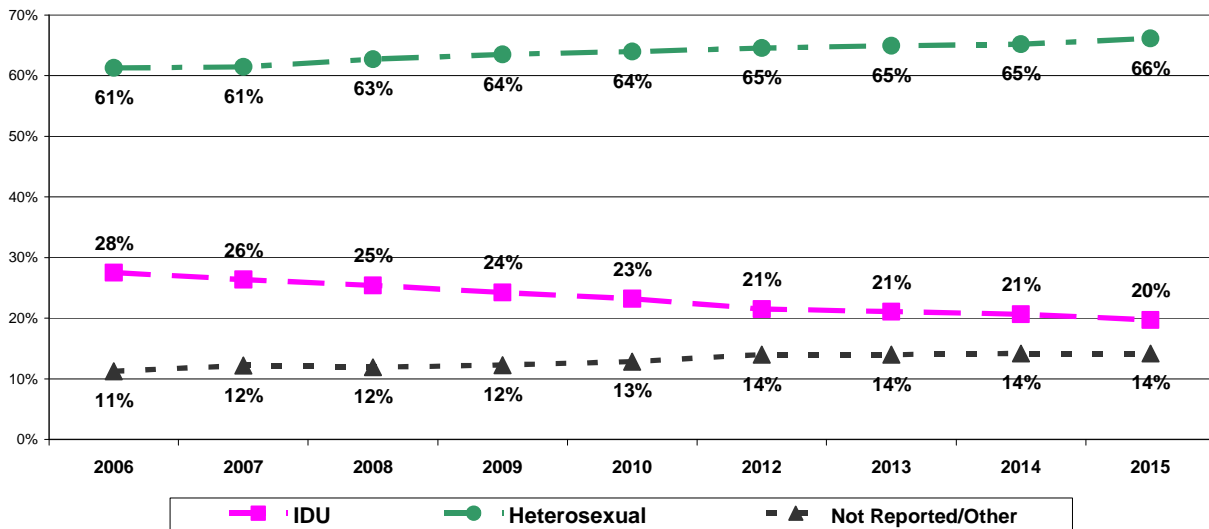


Figure 17: Distribution of PLWHA in Newark EMA by County/Region 2006 - 2015

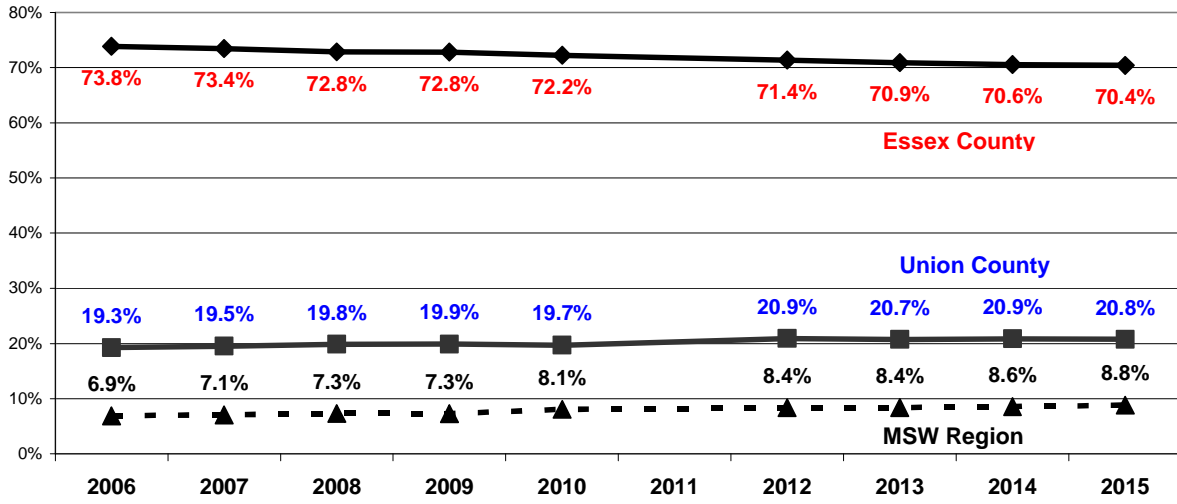
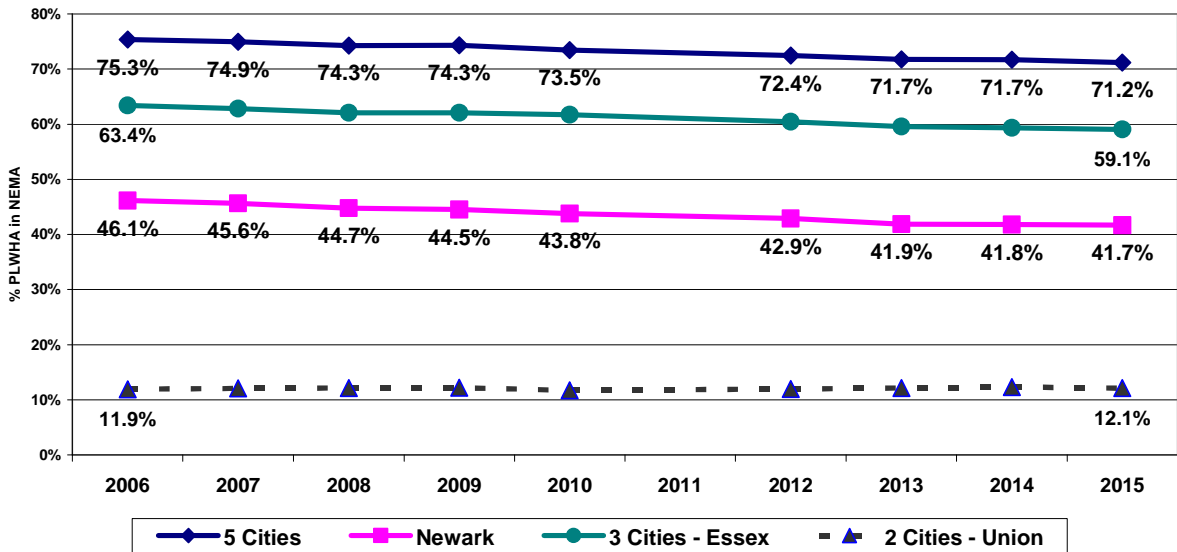


Figure 18: Urban Concentration of PLWHA in 5 Cities in Newark EMA 2006 - 2015



3 Cities – Essex County	2 Cities – Union County
Newark	Elizabeth
East Orange	Plainfield
Irvington	

DATA TABLES 2015

The tables below show the actual data and percentages for the EMA and five counties and Morris, Sussex, Warren Region. Data are from NJDOH Division of HIV/AIDS.

	AS OF DECEMBER 31, 2015					
	Number			Percent		
NEWARK EMA	Male	Female	Total	Male	Female	Total
<i>Disease Category</i>				62.6%	37.4%	100.0%
HIV	4,025	2,511	6,536	46.6%	48.7%	47.4%
AIDS	4,618	2,647	7,265	53.4%	51.3%	52.6%
Total	8,643	5,158	13,801	100.0%	100.0%	100.0%
<i>Current Age</i>						
< 13	15	18	33	0.2%	0.3%	0.2%
13 - 24	239	147	386	2.8%	2.8%	2.8%
25 - 34	1,006	409	1,415	11.6%	7.9%	10.3%
35 - 44	1,315	920	2,235	15.2%	17.8%	16.2%
45 - 54	2,726	1,838	4,564	31.5%	35.6%	33.1%
55+	3,342	1,826	5,168	38.7%	35.4%	37.4%
Total	8,643	5,158	13,801	100.0%	100.0%	100.0%
Age 45+	6,068	3,664	9,732	70.2%	71.0%	70.5%
<i>Race/Ethnicity</i>			3,805			
Hispanic	1,982	862	2,844	22.9%	16.7%	20.6%
Black, Not Hispanic	5,295	3,874	9,169	61.3%	75.1%	66.4%
White, Not Hispanic	1,271	378	1,649	14.7%	7.3%	11.9%
Other/Unknown	95	44	139	1.1%	0.9%	1.0%
Total	8,643	5,158	13,801	100.0%	100.0%	100.0%
R/E Minority	7,277	4,736	12,013	84.2%	91.8%	87.0%
<i>Transmission Category</i>						
MSM	2,976	0	2,976	34.4%	0.0%	21.6%
IDU	1,491	1,016	2,507	17.3%	19.7%	18.2%
MSM/IDU	254	0	254	2.9%	0.0%	1.8%
Heterosexual	2,513	3,411	5,924	29.1%	66.1%	42.9%
Not Reported/Other	1,409	731	2,140	16.3%	14.2%	15.5%
Total	8,643	5,158	13,801	100.0%	100.0%	100.0%

ESSEX COUNTY	AS OF DECEMBER 31, 2015					
	Number			Percent		
	Male	Female	Total	Male	Female	Total
<i>Disease Category</i>						
HIV	2,810	1,915	4,725	60.8%	39.2%	100.0%
AIDS	3,093	1,898	4,991	47.6%	50.2%	48.6%
Total	5,903	3,813	9,716	100.0%	100.0%	100.0%
<i>Current Age</i>						
< 13	12	15	27	0.2%	0.4%	0.3%
13 - 24	189	115	304	3.2%	3.0%	3.1%
25 - 34	706	314	1,020	12.0%	8.2%	10.5%
35 - 44	880	702	1,582	14.9%	18.4%	16.3%
45 - 54	1,819	1,356	3,175	30.8%	35.6%	32.7%
55+	2,297	1,311	3,608	38.9%	34.4%	37.1%
Total	5,903	3,813	9,716	100.0%	100.0%	100.0%
Age 45+	4,116	2,667	6,783	69.7%	69.9%	69.8%
<i>Race/Ethnicity</i>						
Hispanic	1,134	540	1,674	19.2%	14.2%	17.2%
Black, Not Hispanic	4,221	3,108	7,329	71.5%	81.5%	75.4%
White, Not Hispanic	496	133	629	8.4%	3.5%	6.5%
Other/Unknown	52	32	84	0.9%	0.8%	0.9%
Total	5,903	3,813	9,716	100.0%	100.0%	100.0%
R/E Minority	5,355	3,648	9,003	90.7%	95.7%	92.7%
<i>Transmission Category</i>						
MSM	1,886	0	1,886	31.9%	0.0%	19.4%
IDU	1,097	787	1,884	18.6%	20.6%	19.4%
MSM/IDU	182	0	182	3.1%	0.0%	1.9%
Heterosexual	1,748	2,490	4,238	29.6%	65.3%	43.6%
Not Reported/Other	990	536	1,526	16.8%	14.1%	15.7%
Total	5,903	3,813	9,716	100.0%	100.0%	100.0%

MORRIS COUNTY	AS OF DECEMBER 31, 2015					
	Number			Percent		
	Male	Female	Total	Male	Female	Total
<i>Disease Category</i>						
HIV	290	110	400	73.1%	26.9%	100.0%
AIDS	344	123	467	45.7%	47.2%	46.1%
Total	634	233	867	100.0%	100.0%	100.0%
<i>Current Age</i>						
< 13	0	0	0	0.0%	0.0%	0.0%
13 - 24	7	5	12	1.1%	2.1%	1.4%
25 - 34	61	13	74	9.6%	5.6%	8.5%
35 - 44	101	28	129	15.9%	12.0%	14.9%
45 - 54	220	88	308	34.7%	37.8%	35.5%
55+	245	99	344	38.6%	42.5%	39.7%
Total	634	233	867	100.0%	100.0%	100.0%
Age 45+	465	187	652	73.3%	80.3%	75.2%
<i>Race/Ethnicity</i>						
Hispanic	179	58	237	28.2%	24.9%	27.3%
Black, Not Hispanic	132	66	198	20.8%	28.3%	22.8%
White, Not Hispanic	307	104	411	48.4%	44.6%	47.4%
Other/Unknown	16	5	21	2.5%	2.1%	2.4%
Total	634	233	867	100.0%	100.0%	100.0%
R/E Minority	311	124	435	49.1%	53.2%	50.2%
<i>Transmission Category</i>						
MSM	301	0	301	47.5%	0.0%	34.7%
IDU	83	51	134	13.1%	21.9%	15.5%
MSM/IDU	17	0	17	2.7%	0.0%	2.0%
Heterosexual	134	152	286	21.1%	65.2%	33.0%
Not Reported/Other	99	30	129	15.6%	12.9%	14.9%
Total	634	233	867	100.0%	100.0%	100.0%

SUSSEX COUNTY	AS OF DECEMBER 31, 2015					
	Number			Percent		
	Male	Female	Total	Male	Female	Total
<i>Disease Category</i>						
HIV	45	27	72	39.5%	45.8%	41.6%
AIDS	69	32	101	60.5%	54.2%	58.4%
Total	114	59	173	100.0%	100.0%	100.0%
<i>Current Age</i>						
< 13	0	0	0	0.0%	0.0%	0.0%
13 - 24	2	1	3	1.8%	1.7%	1.7%
25 - 34	6	4	10	5.3%	6.8%	5.8%
35 - 44	16	10	26	14.0%	16.9%	15.0%
45 - 54	41	26	67	36.0%	44.1%	38.7%
55+	49	18	67	43.0%	30.5%	38.7%
Total	114	59	173	100.0%	100.0%	100.0%
<i>Age 45+</i>	90	44	134	78.9%	74.6%	77.5%
<i>Race/Ethnicity</i>						
Hispanic	18	8	26	15.8%	13.6%	15.0%
Black, Not Hispanic	17	15	32	14.9%	25.4%	18.5%
White, Not Hispanic	79	36	115	69.3%	61.0%	66.5%
Other/Unknown	0	0	0	0.0%	0.0%	0.0%
Total	114	59	173	100.0%	100.0%	100.0%
<i>R/E Minority</i>	35	23	58	30.7%	39.0%	33.5%
<i>Transmission Category</i>						
MSM	50	0	50	43.9%	0.0%	28.9%
IDU	12	12	24	10.5%	20.3%	13.9%
MSM/IDU	3	0	3	2.6%	0.0%	1.7%
Heterosexual	22	40	62	19.3%	67.8%	35.8%
Not Reported/Other	27	7	34	23.7%	11.9%	19.7%
Total	114	59	173	100.0%	100.0%	100.0%

UNION COUNTY	AS OF DECEMBER 31, 2015					
	Number			Percent		
	Male	Female	Total	Male	Female	Total
<i>Disease Category</i>				65.3%	34.7%	100.0%
HIV	826	434	1,260	44.1%	43.6%	44.0%
AIDS	1,045	561	1,606	55.9%	56.4%	56.0%
Total	1,871	995	2,866	100.0%	100.0%	100.0%
<i>Current Age</i>						
< 13	3	3	6	0.2%	0.3%	0.2%
13 - 24	40	25	65	2.1%	2.5%	2.3%
25 - 34	223	74	297	11.9%	7.4%	10.4%
35 - 44	303	167	470	16.2%	16.8%	16.4%
45 - 54	603	343	946	32.2%	34.5%	33.0%
55+	699	383	1,082	37.4%	38.5%	37.8%
Total	1,871	995	2,866	100.0%	100.0%	100.0%
<i>Age 45+</i>	1,302	726	2,028	69.6%	73.0%	70.8%
<i>Race/Ethnicity</i>						
Hispanic	624	241	865	33.4%	24.2%	30.2%
Black, Not Hispanic	905	664	1,569	48.4%	66.7%	54.7%
White, Not Hispanic	318	83	401	17.0%	8.3%	14.0%
Other/Unknown	24	7	31	1.3%	0.7%	1.1%
Total	1,871	995	2,866	100.0%	100.0%	100.0%
<i>R/E Minority</i>	1,529	905	2,434	81.7%	91.0%	84.9%
<i>Transmission Category</i>						
MSM	697	0	697	37.3%	0.0%	24.3%
IDU	275	153	428	14.7%	15.4%	14.9%
MSM/IDU	50	0	50	2.7%	0.0%	1.7%
Heterosexual	575	690	1,265	30.7%	69.3%	44.1%
Not Reported/Other	274	152	426	14.6%	15.3%	14.9%
Total	1,871	995	2,866	100.0%	100.0%	100.0%

WARREN COUNTY	AS OF DECEMBER 31, 2015					
	Number			Percent		
	Male	Female	Total	Male	Female	Total
<i>Disease Category</i>						
HIV	54	25	79	67.6%	32.4%	100.0%
AIDS	67	33	100	55.4%	56.9%	55.9%
Total	121	58	179	100.0%	100.0%	100.0%
<i>Current Age</i>						
< 13	0	0	0	0.0%	0.0%	0.0%
13 - 24	1	1	2	0.8%	1.7%	1.1%
25 - 34	10	4	14	8.3%	6.9%	7.8%
35 - 44	15	13	28	12.4%	22.4%	15.6%
45 - 54	43	25	68	35.5%	43.1%	38.0%
55+	52	15	67	43.0%	25.9%	37.4%
Total	121	58	179	100.0%	100.0%	100.0%
<i>Age 45+</i>	95	40	135	78.5%	69.0%	75.4%
<i>Race/Ethnicity</i>						
Hispanic	27	15	42	22.3%	25.9%	23.5%
Black, Not Hispanic	20	21	41	16.5%	36.2%	22.9%
White, Not Hispanic	71	22	93	58.7%	37.9%	52.0%
Other/Unknown	3	0	3	2.5%	0.0%	1.7%
Total	121	58	179	100.0%	100.0%	100.0%
<i>R/E Minority</i>	47	36	83	38.8%	62.1%	46.4%
<i>Transmission Category</i>						
MSM	42	0	42	34.7%	0.0%	23.5%
IDU	24	13	37	19.8%	22.4%	20.7%
MSM/IDU	2	0	2	1.7%	0.0%	1.1%
Heterosexual	34	39	73	28.1%	67.2%	40.8%
Not Reported/Other	19	6	25	15.7%	10.3%	14.0%
Total	121	58	179	100.0%	100.0%	100.0%

MORRIS, SUSSEX, WARREN COS.	AS OF DECEMBER 31, 2015					
	Number			Percent		
	Male	Female	Total	Male	Female	Total
<i>Disease Category</i>				71.3%	28.7%	100.0%
HIV	389	162	551	44.8%	46.3%	45.2%
AIDS	480	188	668	55.2%	53.7%	54.8%
Total	869	350	1,219	100.0%	100.0%	100.0%
<i>Current Age</i>						
< 13	0	0	0	0.0%	0.0%	0.0%
13 - 24	10	7	17	1.2%	2.0%	1.4%
25 - 34	77	21	98	8.9%	6.0%	8.0%
35 - 44	132	51	183	15.2%	14.6%	15.0%
45 - 54	304	139	443	35.0%	39.7%	36.3%
55+	346	132	478	39.8%	37.7%	39.2%
Total	869	350	1,219	100.0%	100.0%	100.0%
<i>Age 45+</i>	650	271	921	74.8%	77.4%	75.6%
<i>Race/Ethnicity</i>						
Hispanic	224	81	305	25.8%	23.1%	25.0%
Black, Not Hispanic	169	102	271	19.4%	29.1%	22.2%
White, Not Hispanic	457	162	619	52.6%	46.3%	50.8%
Other/Unknown	19	5	24	2.2%	1.4%	2.0%
Total	869	350	1,219	100.0%	100.0%	100.0%
<i>R/E Minority</i>	393	183	576	45.2%	52.3%	47.3%
<i>Transmission Category</i>						
MSM	393	0	393	45.2%	0.0%	32.2%
IDU	119	76	195	13.7%	21.7%	16.0%
MSM/IDU	22	0	22	2.5%	0.0%	1.8%
Heterosexual	190	231	421	21.9%	66.0%	34.5%
Not Reported/Other	145	43	188	16.7%	12.3%	15.4%
Total	869	350	1,219	100.0%	100.0%	100.0%