

Title I Service Utilization

Current and recent utilization of Title I services for unduplicated clients indicates the extent to which PLWHA are receiving Title I funded medical care and support services needed to remain in medical care. Within the Newark EMA, service utilization is captured daily on the Comprehensive HIV/AIDS Management Program (CHAMP) system. Provider agencies, and particularly case managers, enter data for each client served when a unit of service is delivered. At the end of the funding year, the data for all clients are aggregated, and EMA-wide reports issued for an unduplicated count of all clients.

This section examines Title I service utilization for FY 2004 which ended on February 28, 2005.

Total Title I Services

During FY 2004, the Newark EMA's Title I program funded the following 17 categories of direct services. They are listed in order of the Council's FY 2004 Service Priorities. Table 3-1.

1	Primary Medical Care	10	Transportation
2	Medications	11	Health Education/Risk Reduction
3	Substance Abuse Treatment & Counseling	12	Legal Assistance & Client Advocacy
4	Nutritional Services	13	Outreach
5	Dental Care	14	Complementary Therapies
6	Mental Health Therapy & Counseling	15	Permanency Planning
7	Case Management	16	Day and Respite Care
8	Housing and Related Services	17	Buddy/Companion Services
9	Direct Emergency Assistance		

A total of 8,061 individuals residing in the Newark EMA received at least one unit of service in one or more of the above Title I service categories in FY 2004. This is a decrease of 987 (11%) over the 9,048 PLWHA who received Title I services in FY 2003. The decline in Title I clients is a direct result of a reduction of over \$2 million in Title I funding to the Newark EMA for FY 2004.

For the second consecutive year since Title I funding began, more clients in the Newark EMA used Title I primary medical care than any other service. The top 5 Title I services used in FY 2004 are primary medical care, case management, nutritional services (food), substance abuse treatment (up from #5 in FY 2003), and transportation. Table 3-2.

**Table 3-2: Top 5 Title I Services Used in Newark EMA
 By Percent of Title I Clients Using the Service**

FY 2004			FY 2003		
#1	Primary Medical Care	67.4%	#1	Primary Medical Care	65.0%
#2	Case Management	58.6%	#2	Case Management	57.8%
#3	Nutritional Services	26.0%	#3	Nutritional Services	31.3%
#4	Substance Abuse Treatment	19.8%	#4	Transportation	22.8%
#5	Transportation	19.0%	#5	Substance Abuse Treatment	20.9%

Source: Newark DHHS, CHAMP.

Service Utilization by Gender

Of the total PLWH receiving Title I services, 3,861 (42.7%) were female and 5,187 (57.3%) were male. (Table 3-3.) Male and female PLWHA receive Title I services at the same rates. The only exceptions are the service categories of Direct Emergency Assistance, Health Education/Risk Reduction, Mental Health Services, and Permanency Planning. Females received these services at slightly higher percentages than males. (Figure 3-A.)

Female/male PLWHA receive Title I services in relative proportion to their representation in the epidemic. As of 12/31/04, 40% of NEMA PLWHA were female and 42.7% of Title I clients were female. A significant portion (at least 40%) of female PLWHA receive Title I services in every county in the EMA. This is true even in the four counties where female PLWHA are much less than EMA-wide proportions (31% to 36% of PLWHA are female in Union, Morris, Sussex and Warren counties and 42% of PLWHA in Essex County are female). (Figure 3-B.)

**Table 3-3: Number of Clients in Newark EMA Receiving Any
Title I Service - FY 2004**

Age	Essex	Union	Morris	Sussex	Warren	NEMA	% Distn
Female							
<1	12	2	0	0	0	14	0.4%
1 - 12	104	24	3	0	0	131	3.8%
13 - 24	112	21	3	1	1	138	4.0%
25 - 44	1,433	260	61	13	14	1,781	51.5%
45+	1,113	208	54	4	7	1,386	40.1%
Missing	7	3	0	0	0	10	0.3%
Total	2,781	518	121	18	22	3,460	100.0%
Male							
<1	14	0	0	0	0	14	0.3%
1 - 12	93	17	7	0	0	117	2.5%
13 - 24	156	33	7	1	1	198	4.3%
25 - 44	1,495	278	98	8	11	1,890	41.1%
45+	1,820	432	95	7	13	2,367	51.5%
Missing	14	1	0	0	0	15	0.3%
Total	3,591	761	207	16	25	4,600	100.0%
Total							
						0	
<1	26	2	0	0	0	28	0.3%
1 - 12	197	41	10	0	0	248	3.1%
13 - 24	268	54	10	2	2	336	4.2%
25 - 44	2,928	538	159	21	25	3,671	45.5%
45+	2,933	640	149	11	20	3,753	46.6%
Missing	21	4	0	0	0	25	0.3%
Total	6,372	1,279	328	34	47	8,061	100.0%

Source: Newark DHHS, CHAMP.

Figure 3-A: Percent of Clients Using Title I Services by Gender in Newark EMA - FY 2004

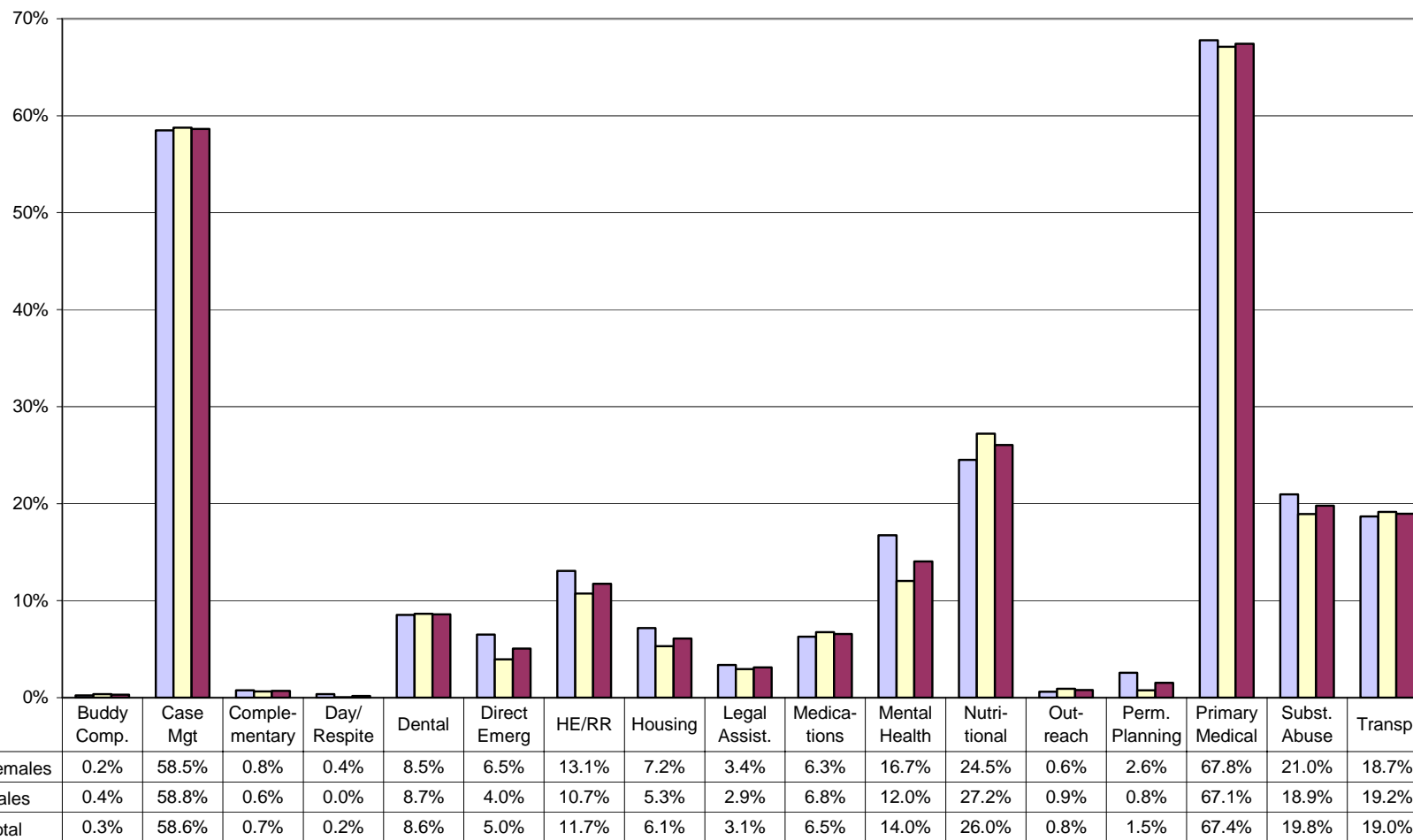
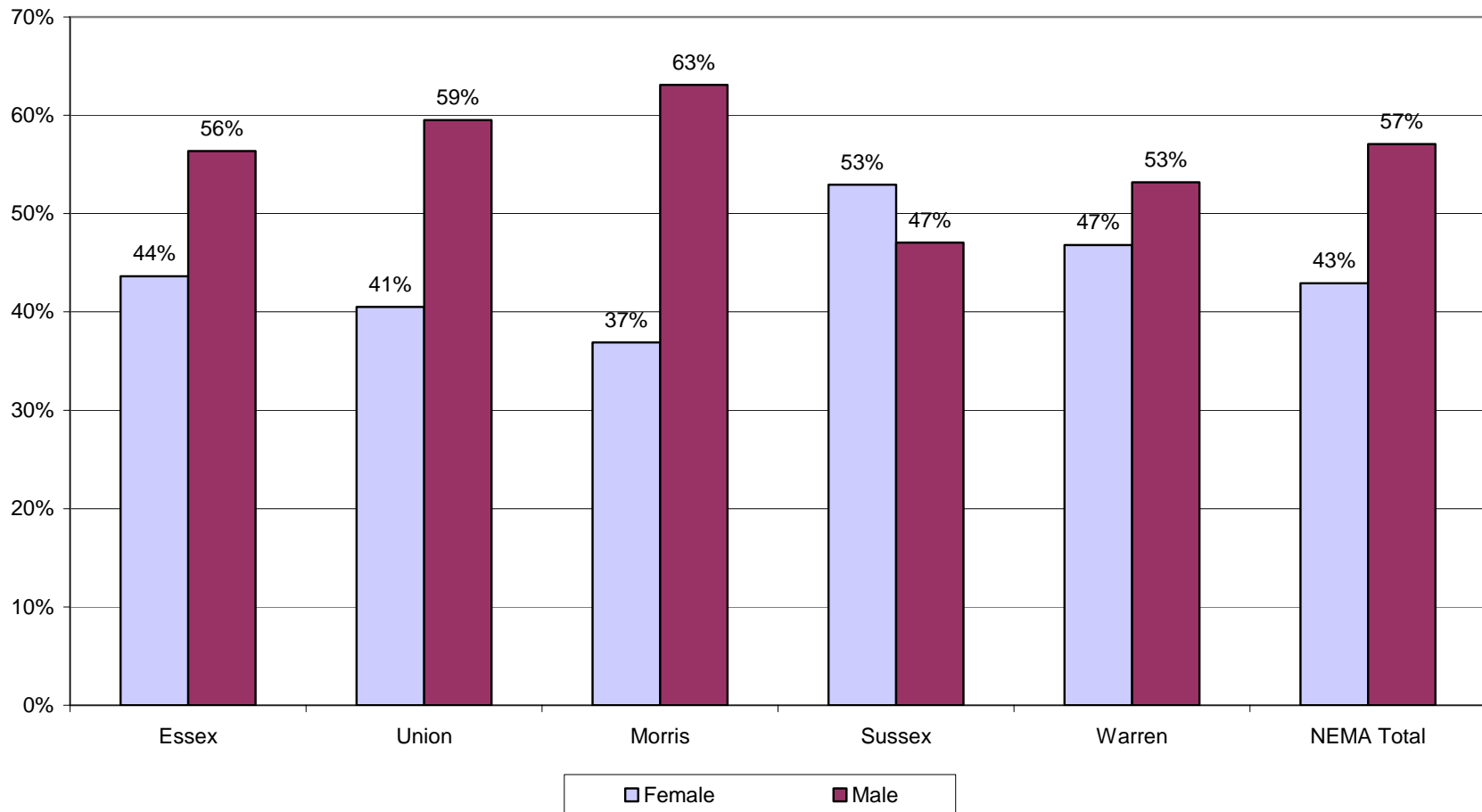


Figure 3-B: Distribution of Title I Clients by Gender within County and NEMA Total - FY 2004



Title I Medical Care

A total of 5,420 PLWHA residing in the Newark EMA – over two-thirds (67%) of Title I clients - received Title I funded primary medical care services in FY 2004. This reflects a continuously increasing trend, compared to over 65% receiving Title I medical care in FY 2003, 55.2% receiving Title I medical care in FY 2002 and 52.4% receiving such care in FY 2001. (Figure 3-C and Table 3-4.)

Although this an increasing percent of clients receiving Title I medical care, the 5,420 reflects a decrease of 459 clients (7.8%) of those receiving medical care over the 5,879 who received such care in FY 2003. This decrease is a direct result of \$2 million in decreased Title I funding giving to the Newark EMA for FY 2004 over FY 2003.

Of the total clients receiving Title I medical care, 2,350 (43.4%) were female and 3,070 (56.6%) were male. Receipt of medical care did not vary by gender – 67.9% of females and 66.7% of males received Title I funded medical care. (Figure 3-D.)

Similarly, receipt of medical care did not vary significantly by age. However, youth age 13-24 received Title I funded medical care at rates higher than the other age categories – 82.1% versus 67.4%. (Figure 3-D.)

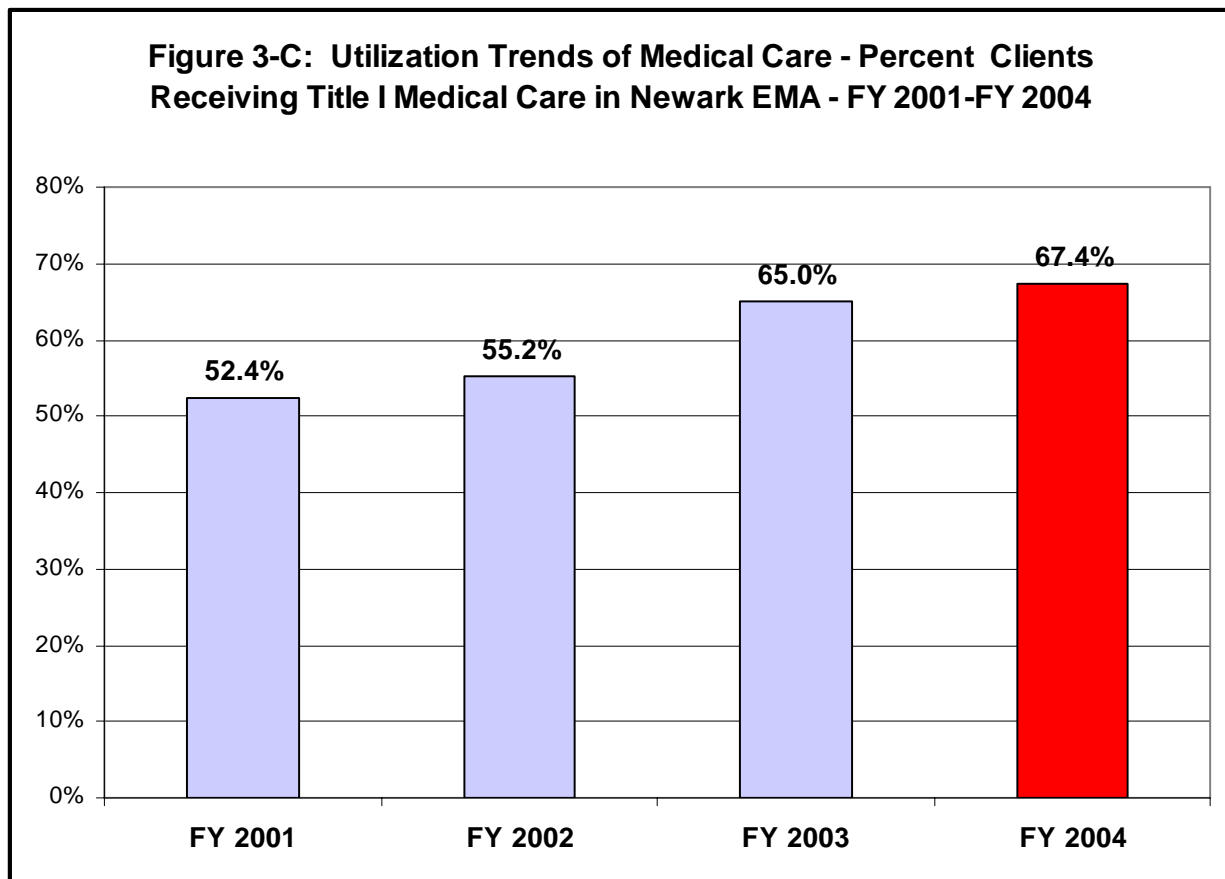
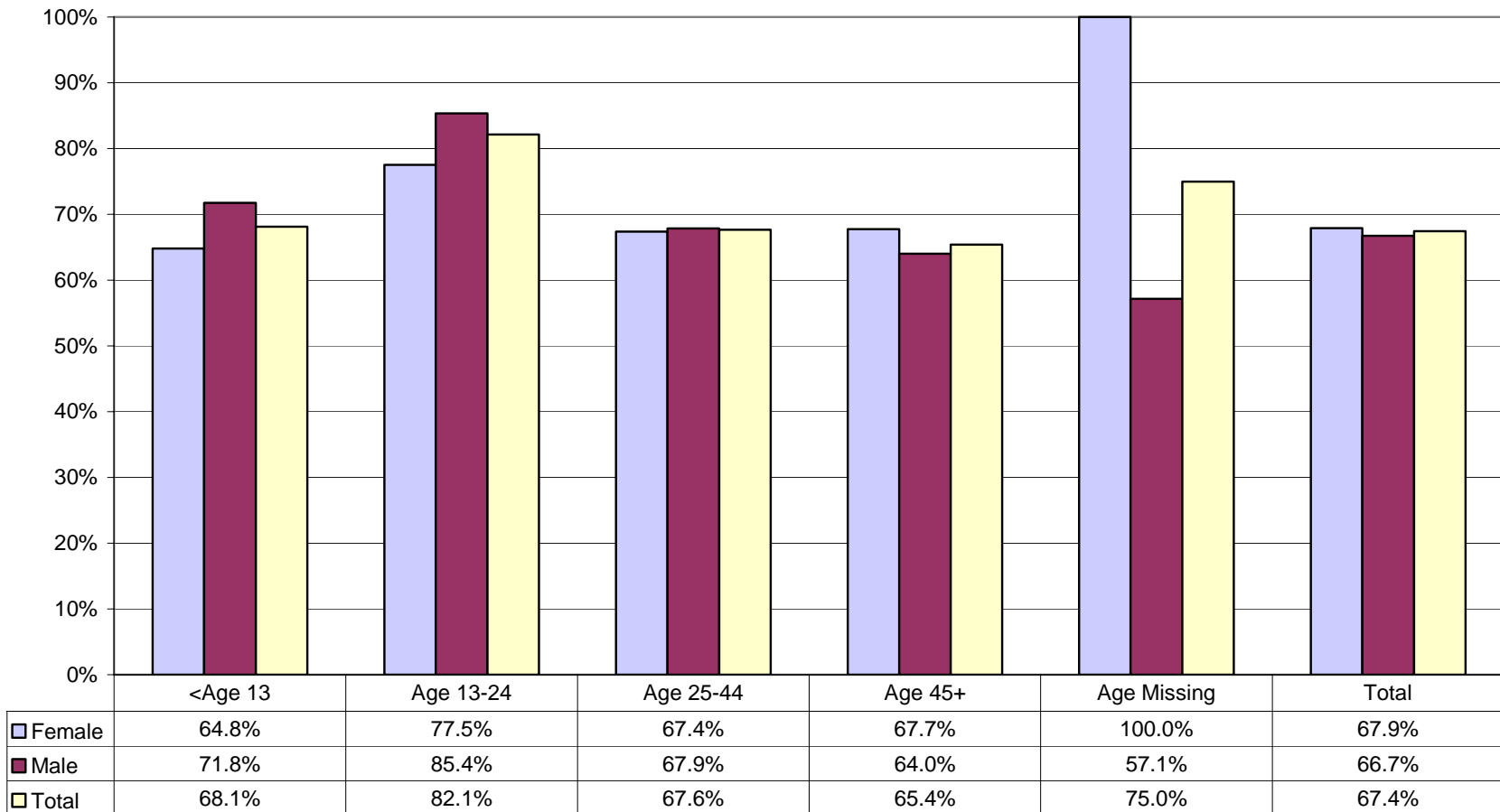


Table 3-4: Number of Clients in Newark EMA Receiving Title I Medical Care - FY 2004

Age	Essex	Union	Morris	Sussex	Warren	NEMA	% Distn	% Title I clients w/ Title I Med. Care
Female								
<1	7	2		0		9	0.4%	64.3%
1 - 12	70	15	0	0		85	3.6%	64.9%
13 - 24	91	13	2	0	1	107	4.6%	77.5%
25 - 44	978	181	32	4	5	1,200	51.1%	67.4%
45+	776	135	25	1	2	939	40.0%	67.7%
Age Missing	7	3		0		10	0.4%	100.0%
Total	1,929	349	59	5	8	2,350	100.0%	67.9%
Male								
<1	5	0	0	0		5	0.2%	35.7%
1 - 12	73	12	4	1	0	90	2.9%	76.1%
13 - 24	135	27	6	3	4	175	5.7%	85.4%
25 - 44	1,035	194	47	3	0	1,279	41.7%	67.9%
45+	1,201	271	40	0		1,512	49.3%	64.0%
Age Missing	9	0		0		9	0.3%	57.1%
Total	2,458	504	97	7	4	3,070	100.0%	66.7%
Total								
<1	12	2	0	0	0	14	0.3%	50.0%
1 - 12	143	27	4	1	0	175	3.2%	70.2%
13 - 24	226	40	8	3	5	282	5.2%	82.1%
25 - 44	2,013	375	79	7	5	2,479	45.7%	67.6%
45+	1,977	406	65	1	2	2,451	45.2%	65.4%
Age Missing	16	3	0	0	0	19	0.4%	75.0%
Total	4,387	853	156	12	12	5,420	100.0%	67.4%

Source: Newark DHHS, CHAMP.

Figure 3-D: Percent of Title I Clients Receiving Title I Medical Care by Age - FY 2004



Utilization of Title I Services by County

With respect to receipt of Title I services by county of residence, PLWHA living in Essex County received services at rates higher than their proportion of PLWHA – 79.1% (all Title I services) and 80.9% (Title I medical care) versus 73.9% of total PLWHA in the EMA as of 12/31/04. (Figures 3-E and 3-F.)

Union County participated at slightly lower rates than their proportion of PLWHA – 15.9% of all Title I services and 15.7% of Title I medical care versus 19.4% of PLWHA. Rates for Morris, Sussex and Warren were lower than their proportion of PLWHA as well. This does not mean that PLWHA in these four counties have greater unmet need for medical care, only that Title I is not funding their medical care. PLWHA may be receiving medical care from other sources, such as Medicaid, Medicare, or private insurance.

For FY 2005 the Newark EMA began formally using the Core Services Model in its Service Priorities and resource allocation. The model includes six core services, four Tier 2 services, and seven Tier 3 services. This model is summarized in Table 3-5 below.

Table 3-5: FY 2005 Core Services Model – List of Service Categories	
<p>Core Services #1 Primary Medical Care #2 Medications #3 Mental Health Services #4 Substance Abuse Treatment #5 Oral Health #6 Case Management</p> <p>Tier 2 Services #7 Housing #8 Nutrition and Food #9 Transportation #10 Direct Emergency Assistance</p>	<p>Tier 3 Services #11 Legal Assistance #12 Outreach #13 Health Education/Risk Reduction #14 Permanency Planning #15 Day/Respite Care #16 Complementary Therapies #17 Buddy/Companion</p>

Figures 3-G through 3-M show different service utilization patterns by county compared with EMA-wide rates. FY 2004 service categories are listed in order of the FY 2005 Core Services Model, to permit comparison of trends to current FY 2005 and subsequent data.

- Service utilization in Essex County heavily influences EMA-wide results. (Figure 3-H). Primary medical care is the most utilized service at 68.8%, followed by case management at 56.3%, nutritional services at 24.4%, substance abuse treatment at 22.1%, and transportation at 20.9%.
- In the remaining four counties, case management replaces primary medical care as the #1 service. The extent of Title I primary medical care utilization and its rank among service categories vary by county.

- In Union County, Title I medical care is utilized at a slightly lower rate than Essex (66.7%). Case management is used by 70.9% of Title I clients. This is due to Union County's **primary case manager** system, wherein a case manager serves as "one stop shopping" and coordinates referrals to all other services. Use of nutritional services by 40.8% of clients exceeds rates for the rest of the EMA. Use of four services is relatively equal – mental health (11.9%), substance abuse treatment (10.2%), transportation (9.7%), and direct emergency assistance (9.0%). (Figure 3-I.)
- In Morris County, nearly all (86.0%) Title I clients use case management. Nearly half (47.8%) use Title I medical care, and one-third (34.1%) use mental health services. Nutritional services and transportation are relatively equal, at 31.4% and 31.1% respectively. (Figure 3-J.)
- In Sussex County, nearly all (88%) Title I clients use case management. Nutritional services is the second most used service (38.2%) followed by primary medical care (35.5%), and transportation (29.4%). Mental health services ranks fifth at 29.4%. (Figure 3-K.)
- Warren County has the highest utilization rate for case management services at 95.7% of clients. As with Sussex County, nutritional services ranks second (55.3%) and transportation ranks third (42.6%). Mental health services and substance abuse treatment rank next, with 38.3% and 29.8% of clients using these services, respectively. Primary medical care is the sixth most-used service, with only 25.5% of clients using Title I medical care. (Figure 3-L.)
- Figure 3-M shows the aggregate data for the three counties of Morris, Sussex and Warren. Case management by far is the most utilized service, at 87.3% of all Title I clients. This is followed by primary medical care, at 44.0% of clients. Nutritional services were the third most utilized, at 34.7% of clients, followed closely by mental health services (34.2%) and transportation (32.3%).

Figure 3-E: Distribution of All Title I Clients by County of Residence - FY 2004

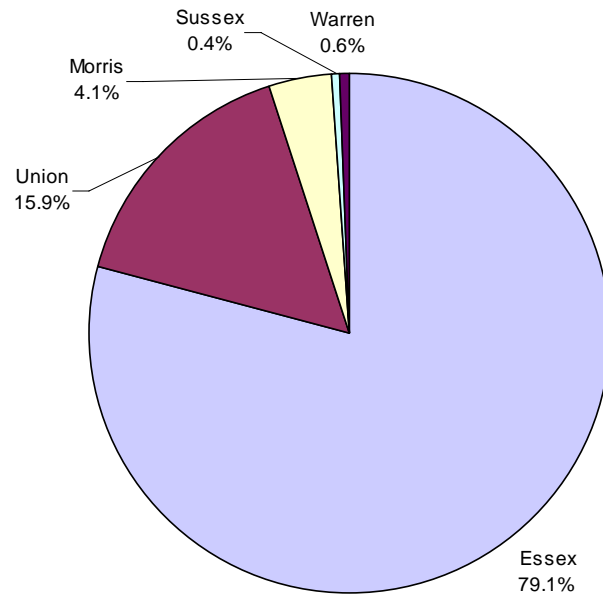
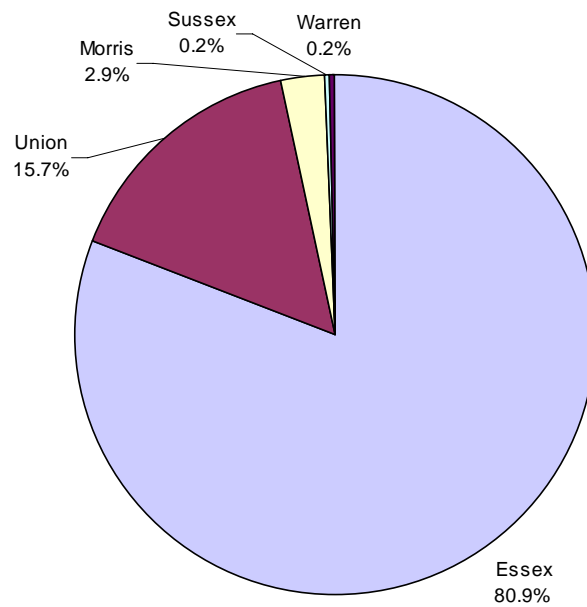


Figure 3-F: Distribution of Clients Receiving Title I Medical Care by County of Residence - FY 2004



**Figure 3-G: FY 2004 Title I Service Utilization - Newark EMA
 (by FY 2005 Core Services & FY 2005 Service Priorities)**

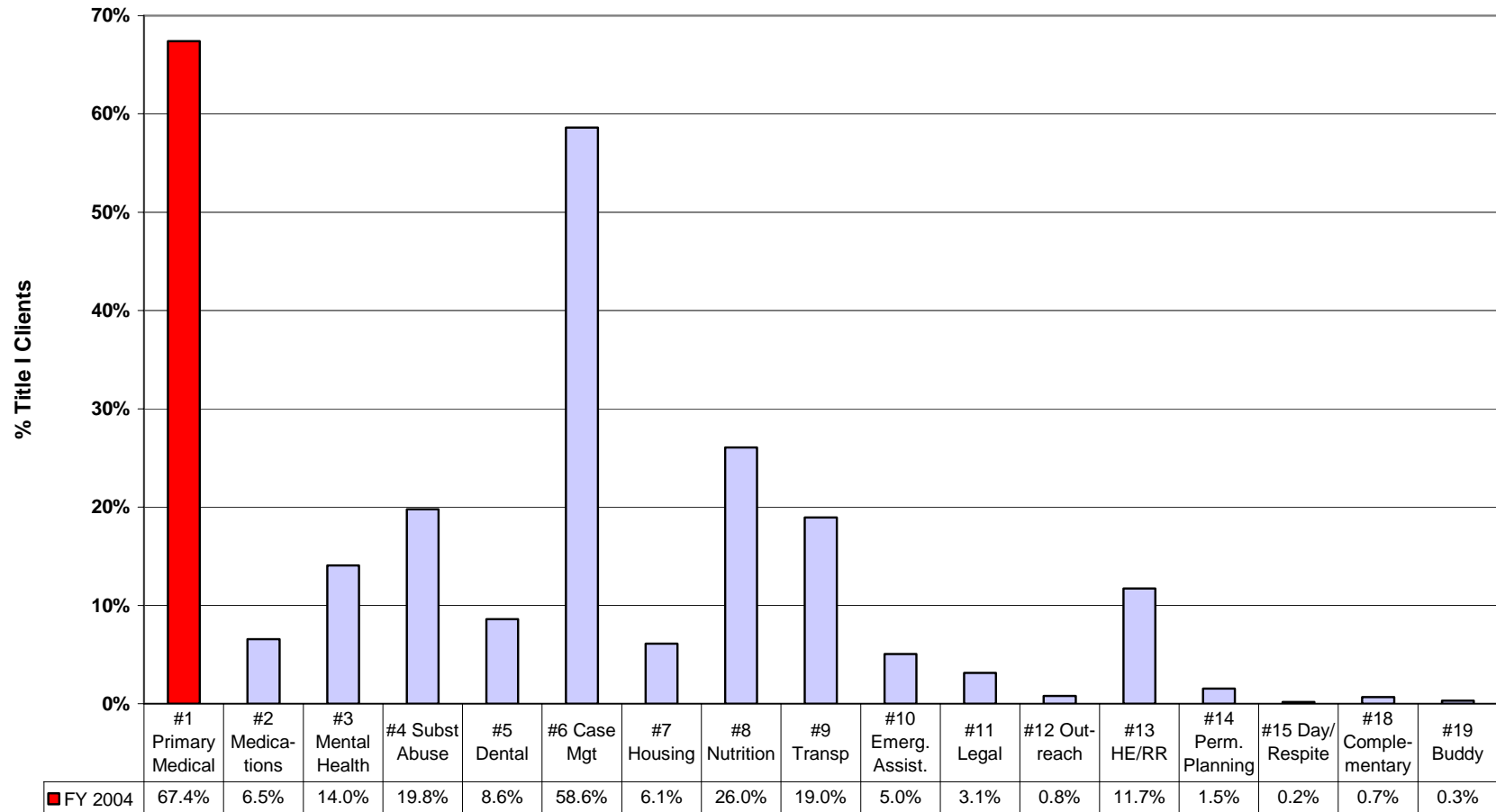


Figure 3-H: FY 2004 Title I Service Utilization by Core Services Model - Essex County

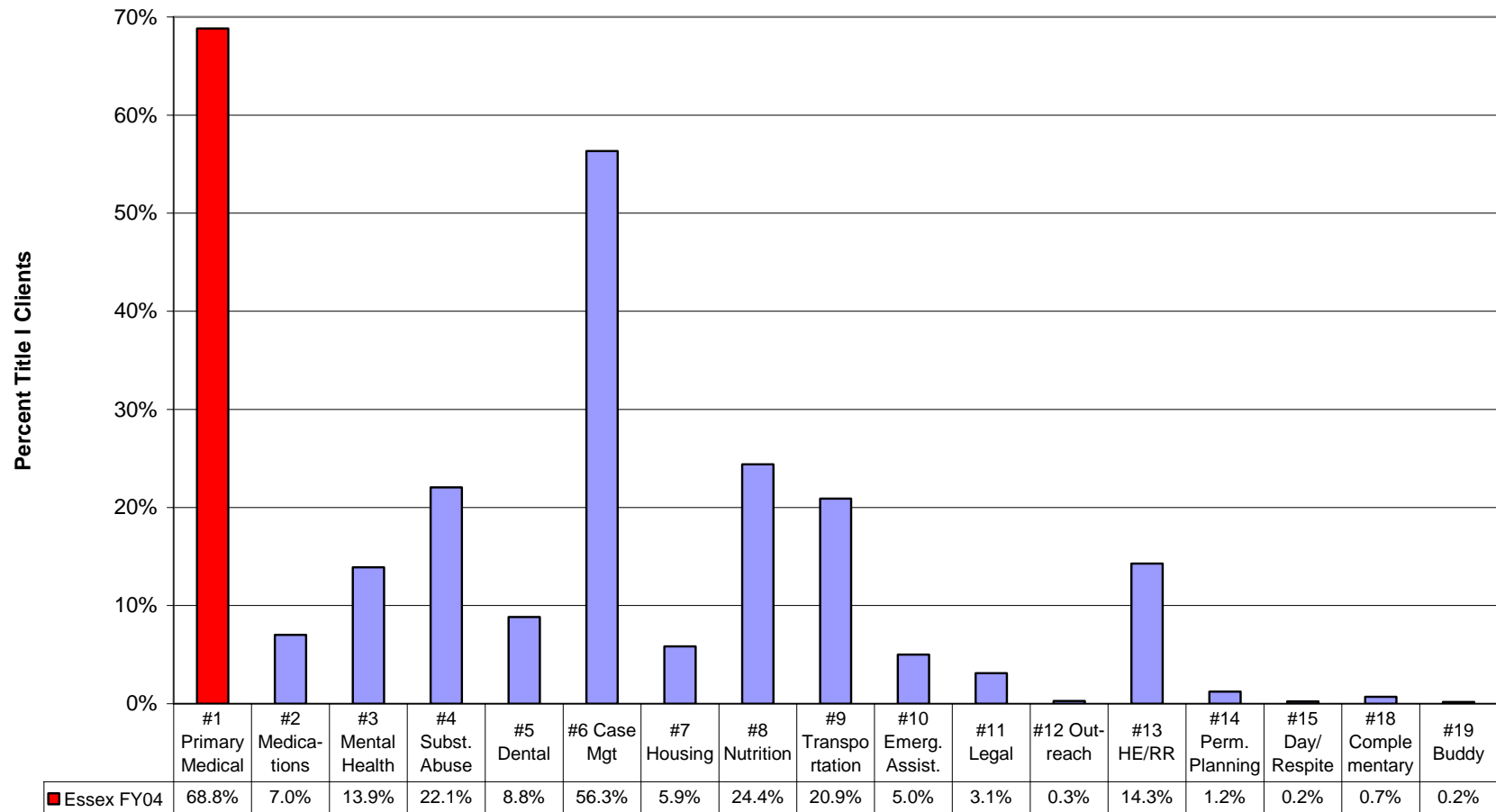


Figure 3-I: FY 2004 Title I Service Utilization by Core Services Model - Union County

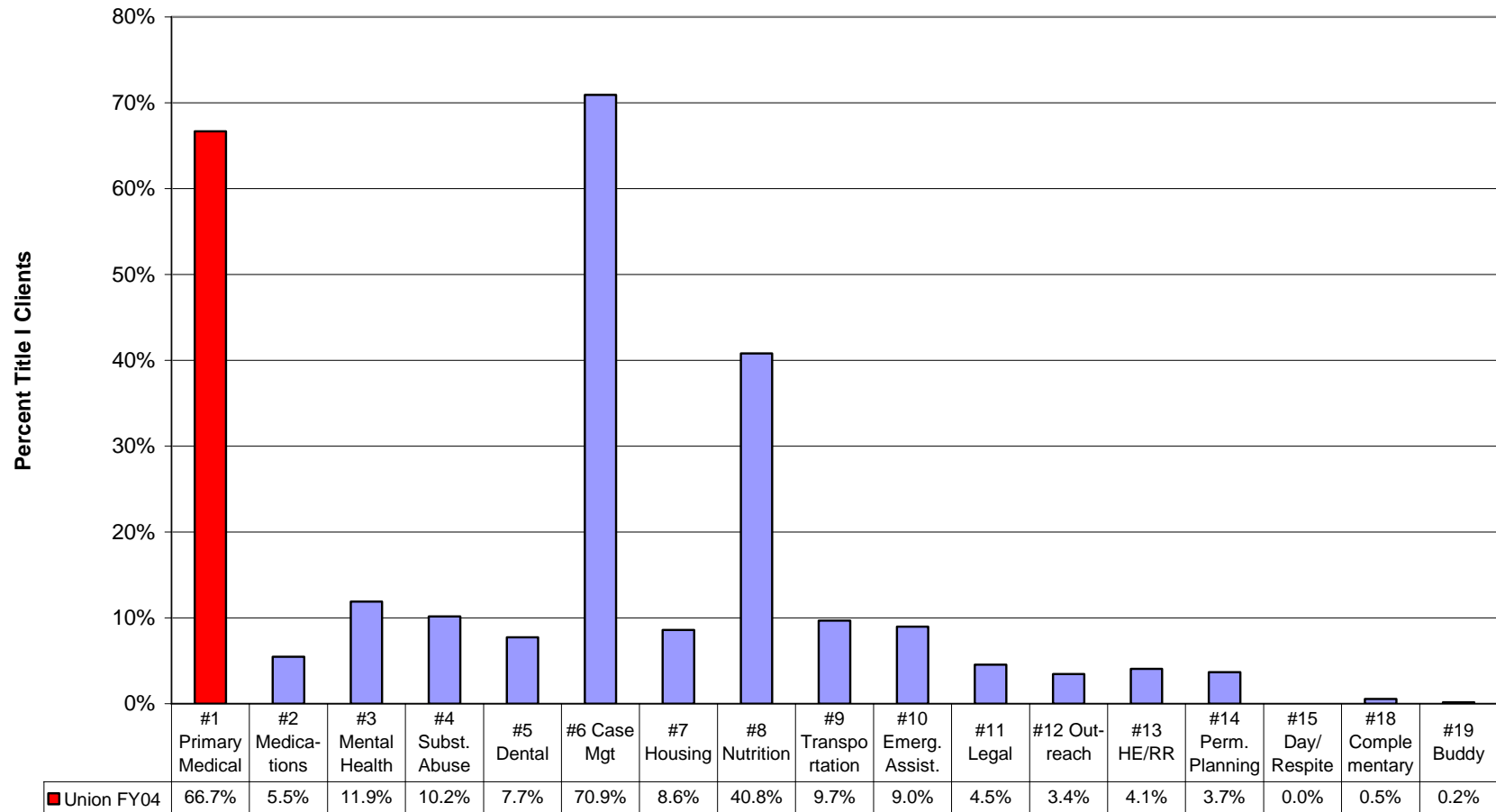
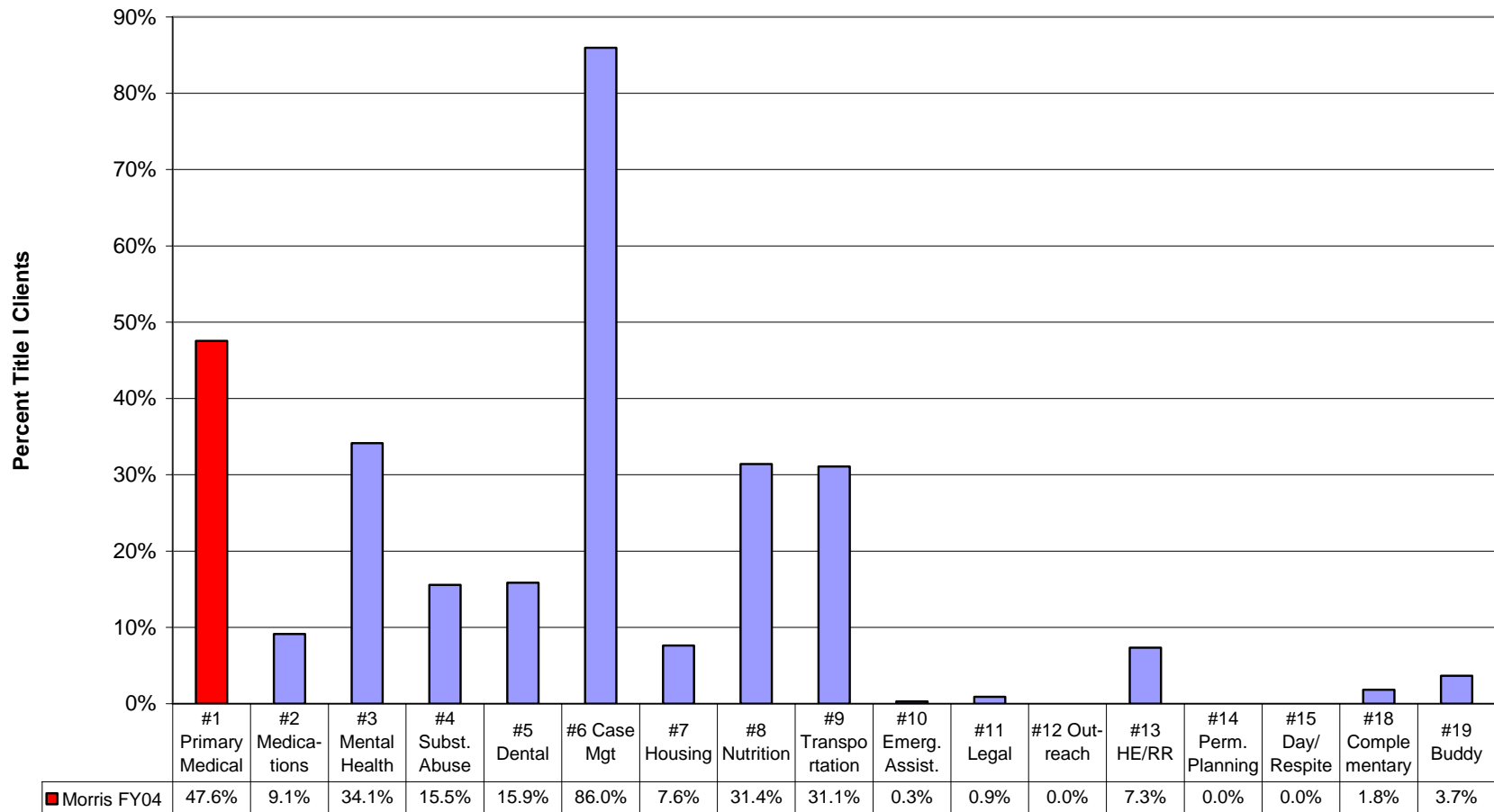


Figure 3-J: FY 2004 Title I Service Utilization by Core Services Model - Morris County



**Figure 3-K: FY 2004 Title I Service Utilization by Core Services Model -
 Sussex County**

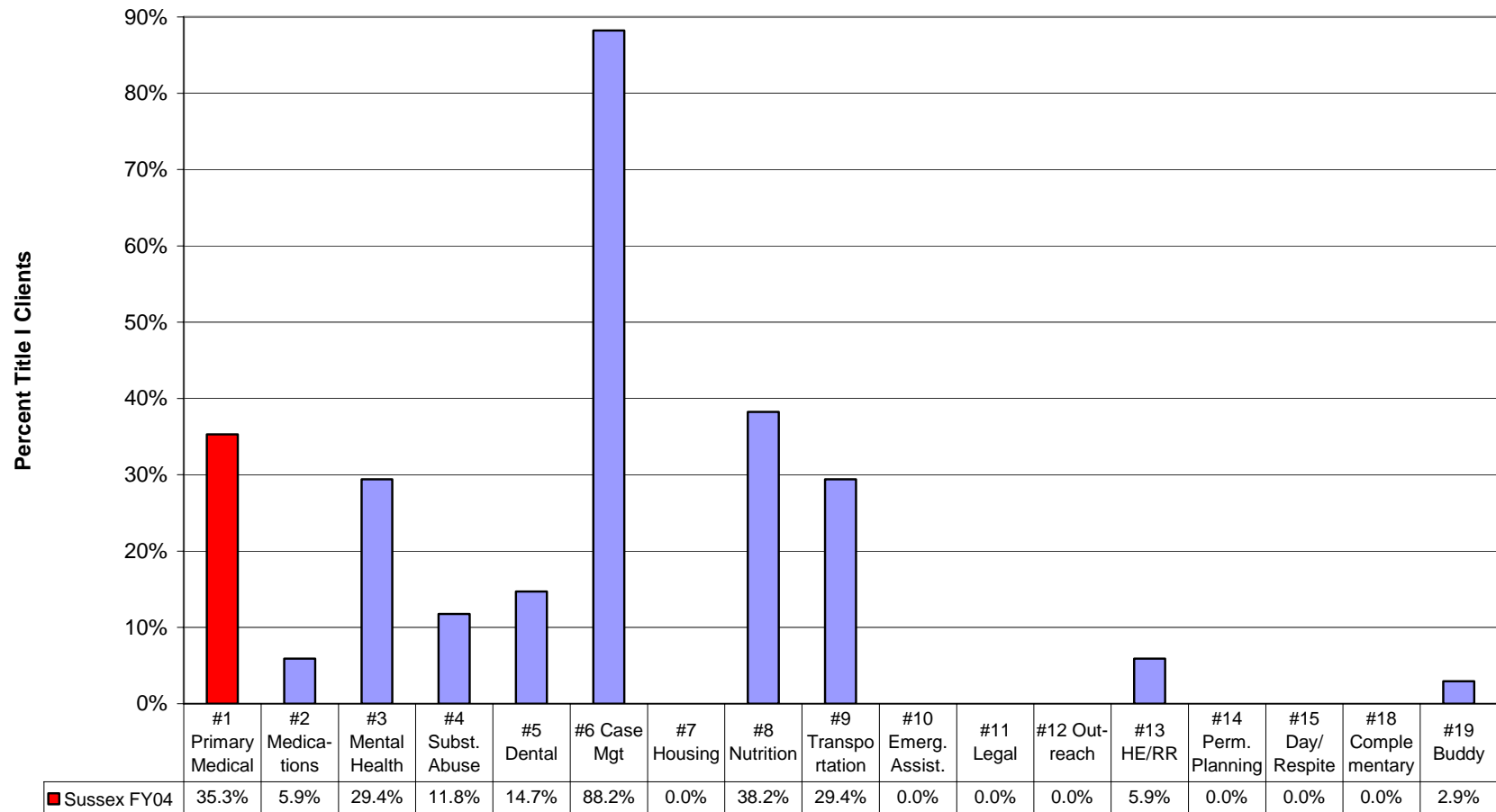
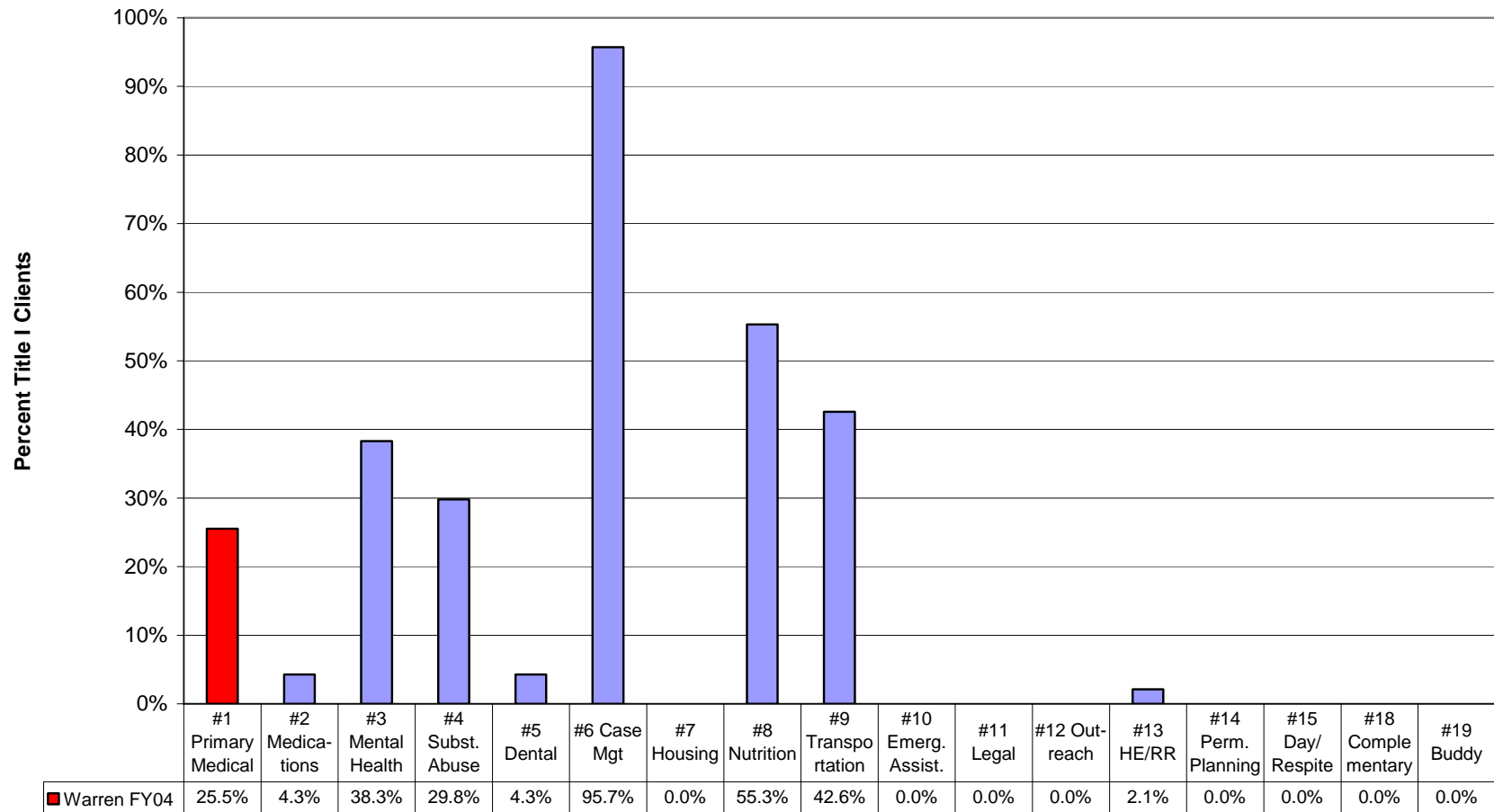
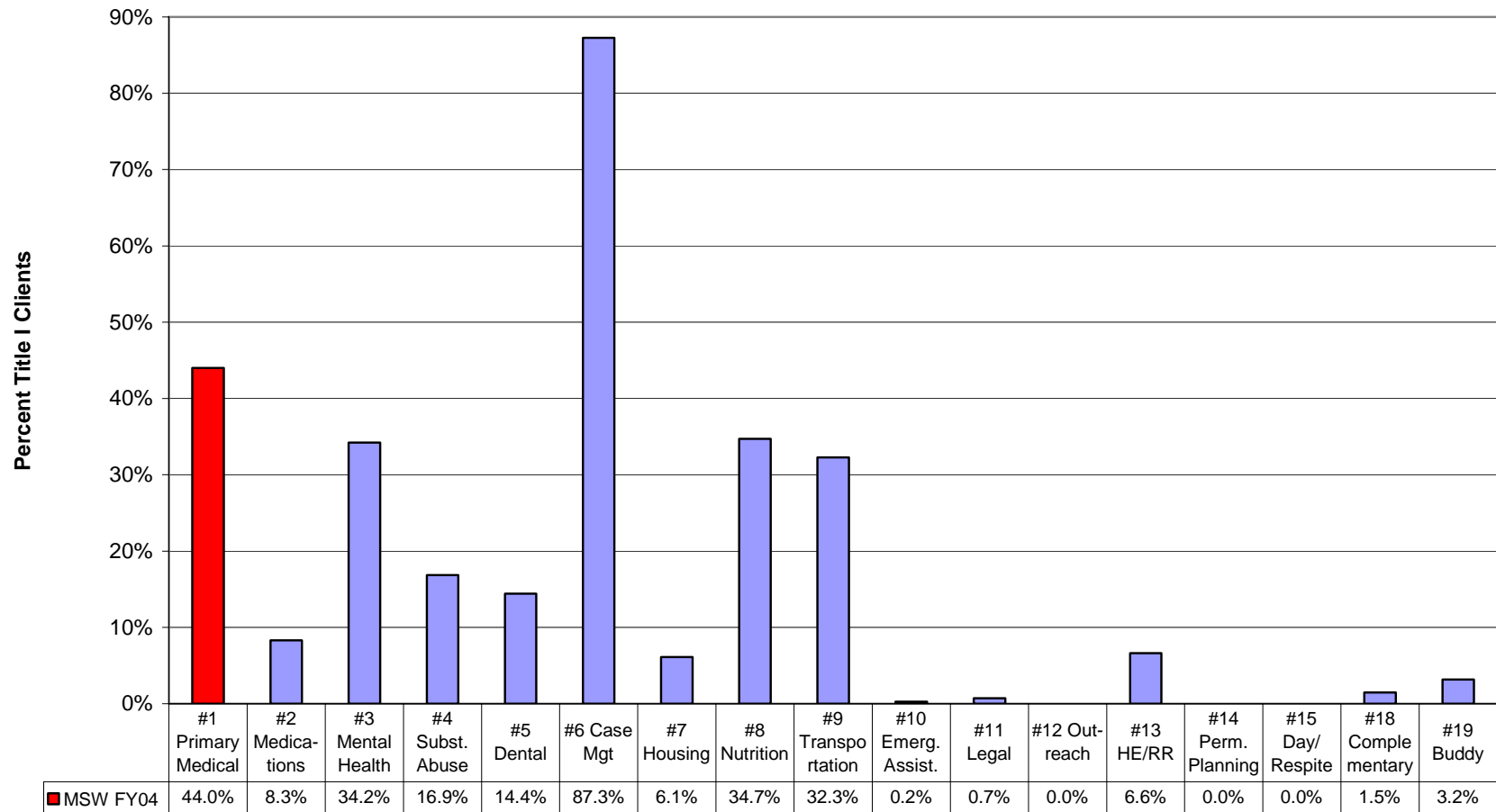


Figure 3-L: FY 2004 Title I Service Utilization by Core Services Model - Warren County



**Figure 3-M: FY 2004 Title I Service Utilization by Core Services Model -
 Morris, Sussex, Warren County Region**



Utilization of Title I Medical Care by Cities

Figure 3-N shows utilization of Title I medical care by the EMA's five largest cities of East Orange, Elizabeth, Irvington, Newark and Plainfield. These five cities account for 76% of the EMA's PLWHA as of 12/31/04. These five cities also account for more than a proportionate share of utilization of Title I medical care in FY 2004.

Nearly nine in ten (88%) of clients utilizing Title I medical care in FY 2004 resided in these five cities. By city, HIV+ residents of Newark accounted for 60% of utilization of Title I medical care.

Table 3-6: Comparison of Title I Medical Care Utilization and PLWHA – Five Large Cities in Newark EMA

	Title I Medical Clients - FY 04	% NEMA	PLWHA as of 12/31/04	% NEMA
East Orange	524	9.7%	1,241	9.9%
Elizabeth	448	8.3%	1,005	8.0%
Irvington	334	6.2%	897	7.1%
Newark	3,262	60.2%	5,865	46.7%
Plainfield	192	3.5%	508	4.0%
Total 5 Cities	4,760	87.8%	9,516	75.7%
Rest of NEMA	660	12.2%	3,053	24.3%
Total NEMA	5,420	100.0%	12,569	100.0%

Figure 3-N: FY 2004 Utilization of Title I Medical Care (Distribution by # Clients) - Five Largest Cities and Rest of Newark EMA

