NORTH CAROLINA LME-MCO's

ANNUAL STATISTICS AND ADMISSION REPORT

FISCAL YEAR 2017

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Annual Statistics and Admission Report
Fiscal Year 2017

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INTRODUCTION

In recent years there have been two separate reports(Annual Statistical Report for LMEs and the Admissions Report for LMEs) that have provided descriptive statistics and trends in the public community mental health system in North Carolina. In an effort to provide a single source of information that adequately describes the type of clients served at the clinical, demographic and geographic level these two reports have been combined into a single report for State Fiscal Year 2017. While similar in format and table construction to the previous reports, the intent of this report is to provide an integrated look at major service indicators and measures.

Figure 1
Selected Indicators and Percent Change Over Time
State Totals, Fiscal Year 2017, 2012, 2007

Indicators	Fiscal Year			Percent Change FY17 vs. FY12
	FY17	FY12	FY07	
Active Caseload Start of Fiscal Year	244,178	174,610	236,749	39.84%
Total Admissions	111,487	140,674	78,589	-20.75%
Total Terminations	87,108	113,603	74,790	-23.32%
Active Caseload End of Fiscal Year	268,557	201,681	240,548	33.16%
Persons Served	355,665	315,284	315,338	12.81%

TABLE I

Client Activity and Utilization (Table I) reflects admission rates, active caseload at the beginning of the fiscal year, total admissions and the total number of persons served by the LME-MCO. There were **232,941** active cases on July 1, 2016 and **88,570** total admissions (first and readmissions combined) during the fiscal year. A total of **321,511** persons were served during fiscal year 2017 as indicated by adding first and readmissions to the active cases (excluding those on Inactive Status and TASC Clients) on July 1, 2016. Graph 1 depicts the number of clients served at the LME-MCO for the last ten years.

Admission rates reflect the total number of admissions to an LME-MCO during the fiscal year per 100,000 population in the catchment area. Admission rates are useful in that they allow comparisons among geographic areas as well as special population subgroups by adjusting the effects of population size. Admission rates were selected instead of utilization rates because of their greater accuracy.

The statewide admission rate was **862** admissions per 100,000 population. The admission rate ranged from a low of **544** per 100,000 reported by Alliance Behavioral to a high of **1,290** per 100,000 population reported by Sandhills.

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TABLE I
CLIENT ACTIVITY AND UTILIZATION BY NAME
NORTH CAROLINA LMES
FY2016-2017

	ADMISSION RATE*	ACL 7/1/2016	TOTAL ADMISSIONS	TERMINATIONS	PERSONS SERVED
Alliance Behavioral	544	47,841	10,215	1,087	58,056
Cardinal Innovations	785	22,228	24,518	18,297	46,746
EastPointe	676	38,051	5,507	7,467	43,558
Partners Behavioral	745	42,818	6,962	4,768	49,780
Sandhills	1,290	36,365	14,299	10,862	50,664
Trillium	1,154	18,182	15,016	12,616	33,198
VAYA	1,083	27,456	12,053	10,312	39,509
STATE TOTAL	862	232,941	88,570	65,409	321,511

* Rate per 100,000 N. C. Populaton (2017 Population Estimate.)
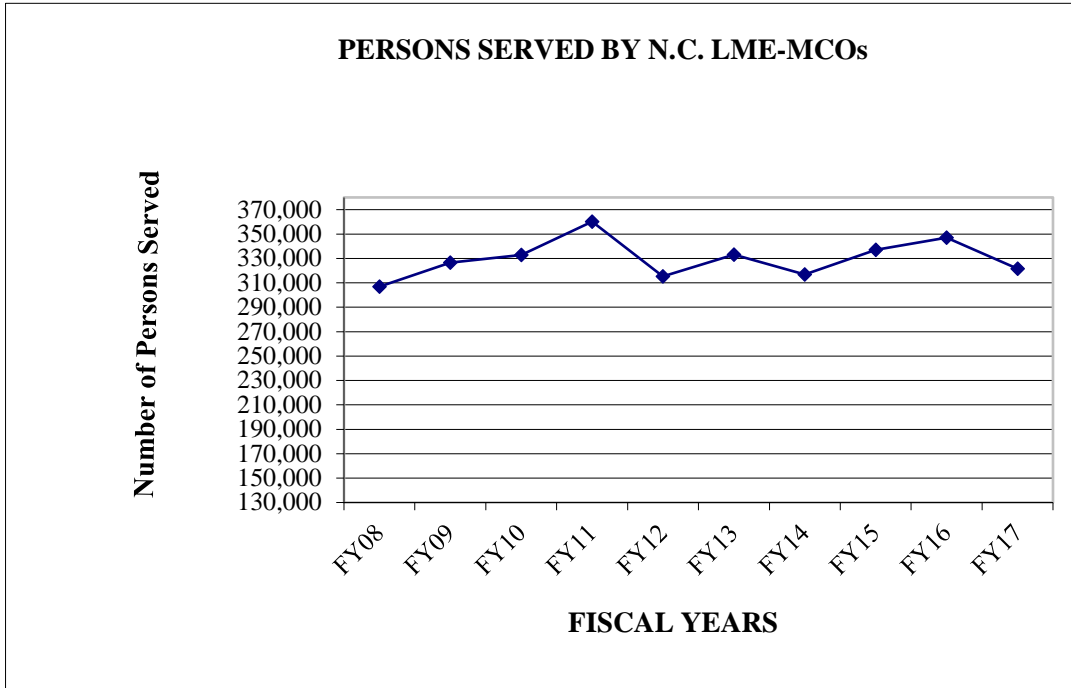Admission Rate = Total Admissions / Population x 100,000.

Please Note: There is a difference in Total Admissions, Terminations and Persons Served from the previous
pages (Figure 1), when compared to the State Total in Table 1. The reason for this difference is that
TASC clients are included in Figure 1, but not Table 1. TASC clients were not included in Table 1 as they are
not asssociated with an LME.

FIGURE 2
SELECTED CHARACTERISTICS OF LME/TASC ADMISSIONS AND PERCENT CHANGE OVER TIME
STATE TOTAL FISCAL YEAR 2012-13, 2013-14, 2014-15, 2015-16, 2016-17

						PERCENT		
CHARACTERISTICS	**FY13**	**FY14**	**FY15**	**FY16**	**FY17**	**FY17 vs. FY16**	**FY17 vs. FY15**	**FY17 vs. FY14**
TOTAL ADMISSIONS	143,521	109,262	111,277	114,579	111,487	-2.7%	0.2%	2.0%
BY DIAGNOSIS								
ALCOHOL	11,679	9,002	8,778	10,047	10,213	1.7%	16.3%	13.5%
DRUG	27,961	25,628	25,393	33,136	34,785	5.0%	37.0%	35.7%
I/DD	1,219	672	976	923	758	-17.9%	-22.3%	12.8%
MENTALLY ILL	85,360	58,302	60,995	61,500	56,733	-7.8%	-7.0%	-2.7%
NO MENTAL DISORDER	4,477	4,909	11,121	7,103	7,401	4.2%	-33.5%	50.8%
UNKNOWN-DEFERRED	12,825	10,749	4,014	1,870	1,597	-14.6%	-60.2%	-85.1%
BY GENDER								
MALE	76,459	60,853	62,960	65,666	64,574	-1.7%	2.6%	6.1%
FEMALE	67,062	48,409	48,317	48,913	46,913	-4.1%	-2.9%	-3.1%
BY RACE								
WHITE	86,903	65,594	66,741	71,037	70,225	-1.1%	5.2%	7.1%
BLACK	45,766	35,237	35,730	36,628	34,897	-4.7%	-2.3%	-1.0%
AMERICAN INDIAN	2,782	2,106	2,310	1,906	1,689	-11.4%	-26.9%	-19.8%
OTHER	6,926	5,253	5,117	4,045	3,845	-4.9%	-24.9%	-26.8%
ASIAN/PACIFIC ISLANDER	559	469	511	542	584	7.7%	14.3%	24.5%
UNKNOWN	585	603	868	421	247	-41.3%	-71.5%	-59.0%

FIGURE 2A
AGE CHARACTERISTICS OF LME/TASC ADMISSIONS AND PERCENT CHANGE OVER TIME
STATE TOTAL FISCAL 2012-13, 2013-14, 2014-15, 2015-16, 2016-17

						PERCENT		
CHARACTERISTICS	FY13	FY14	FY15	FY16	FY17	FY17 vs. FY16	FY17 vs. FY15	FY17 vs. FY14
TOTAL ADMISSIONS	143,521	109,262	111,277	114,579	111,487	-2.7%	0.2%	2.0%
BY AGE								
00-04	2,478	1,278	917	612	543	-11.3%	-40.8%	-57.5%
05-09	10,865	5,888	5,264	3,753	3,381	-9.9%	-35.8%	-42.6%
10-14	12,481	7,180	6,441	5,541	4,938	-10.9%	-23.3%	-31.2%
15-17	7,842	5,137	5,093	4,549	3,992	-12.2%	-21.6%	-22.3%
18-20	8,513	6,651	6,063	6,431	5,979	-7.0%	-1.4%	-10.1%
21-24	14,074	12,141	12,453	13,518	12,629	-6.6%	1.4%	4.0%
25-34	31,039	26,746	29,320	32,355	33,258	2.8%	13.4%	24.3%
35-44	22,649	18,716	19,336	20,844	20,901	0.3%	8.1%	11.7%
45-54	20,169	15,988	16,123	16,976	16,303	-4.0%	1.1%	2.0%
55-64	9,465	7,328	7,928	8,073	7,832	-3.0%	-1.2%	6.9%
65 AND OVER	3,946	2,209	2,339	1,927	1,731	-10.2%	-26.0%	-21.6%

PERSONS SERVED BY N.C. LME-MCOs

Number of Persons Served

370,000	
350,000	
330,000	
310,000	
290,000	
270,000	
250,000	
230,000	
210,000	
190,000	
170,000	
150,000	
130,000	

FY08 FY09 FY10 FY11 FY12 FY13 FY14 FY15 FY16 FY17

FISCAL YEARS

This graph reflects the number of persons served by the **7** LME-MCOs for the time period FY2008 through FY2017. This data reflected in this graph does not include persons on inactive status.

A total of **321,511** clients were served by LMEs during **FY2017** representing a **4.76 %** increase over the **306,907** during **FY 2008.**

TABLE 2

Table II reflects the number of persons served in each of the LME-MCOs by age and disability. The age of the client was calculated as of 6-30-17 and the disability of the client was based on the diagnosis assigned to the client on the NCTRACKS paid claim.

A total of **355,655** persons were served in the LME-MCOs and TASC during FY17. Persons Served is calculated by totaling the active caseload on July 1, of the fiscal year (excluding those clients on Inactive Status) and all admissions.

Of the **355,655** clients served, **70** percent (**249,074)** were mentally ill, **5.1** percent **(18,007)** were developmentally disabled, and **24.9** percent (**88,584**) were substance abusers. Within each disability the percent of children served (0-17) ranged from **0.7** percent (**639)** of substance abusers, to **23.5** percent (**4,238)** of the developmentally disabled. The percent of children served in the mental health category was **16.8** percent **(42,039**).

TABLE 2
NUMBER OF DUPLICATED PERSONS SERVED BY AGE DISABILITY
NORTH CAROLINA'S LME-MCOs AND TASC REGIONS
BY NAME, FY2016-17

LME	PERSONS SERVED	MENTALLY ILL			DEVELOPMENTAL DISABILITIES			SUBSTANCE ABUSE		
		TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD
Alliance	58,056	44,755	39,286	5,469	3,503	2,562	941	9,798	9,766	32
Cardinal Innovations	46,746	31,555	23,839	7,716	3,194	2,713	481	11,997	11,836	161
Eastpointe	43,558	34,537	27,660	6,877	2,528	1,939	589	6,493	6,442	51
Partners Behavioral Health	49,780	38,096	35,085	3,011	1,869	1,436	433	9,815	9,797	18
Sandhills	50,664	40,384	28,901	11,483	2,795	1,965	830	7,485	7,387	98
Trillium	33,198	21,324	16,497	4,827	2,152	1,535	617	9,722	9,650	72
VAYA	39,509	28,441	25,910	2,531	1,966	1,619	347	9,102	9,054	48
TASC Region 1	9,247	2,694	2,669	25	0	0	0	6,553	6,510	43
TASC Region 2	9,013	3,112	3,089	23	0	0	0	5,901	5,865	36
TASC Region 3	10,157	3,188	3,122	66	0	0	0	6,969	6,911	58
TASC Region 4	5,737	988	977	11	0	0	0	4,749	4,727	22
STATE TOTAL	355,665	249,074	207,035	42,039	18,007	13,769	4,238	88,584	87,945	639

	TOTAL PERCENT	TOTAL NUMBER		TOTAL PERCENT	TOTAL NUMBER
TOTAL PERSONS SERVED	100.0%	355,665	**TOTAL PERSONS SERVED**	100.0%	
*AGE GROUPS			**DIAGNOSIS (con't)**		
00-04	0.2%	544	Primary Degenerative Dementia	0.1%	212
05-09	2.7%	9,574	Schizoaffective	2.2%	7,947
10-14	5.7%	20,199	Schizophrenic	3.0%	10,757
15-17	4.7%	16,599	Schizophreniform	0.1%	179
18-20	5.3%	18,735	Sexual	0.0%	167
21-24	8.6%	30,652	Somatoform/Factitious	0.0%	87
25-34	24.8%	88,296	Specific Development	0.3%	1,065
35-44	18.4%	65,513	Substance Abuse (Drugs)	18.6%	66,132
45-54	16.0%	56,851	Unknown	4.1%	14,692
55-64	10.3%	36,557	Vascular Dementia	0.0%	65
65+	3.4%	12,145			
GENDER					
Males	53.4%	189,889			
Females	46.6%	165,603	**MARITAL STATUS**		
Unknown	0.0%	173			
RACE			Annulled	0.1%	533
			Divorced	9.5%	33,730
Asian	0.4%	1,587	Domestic partners	0.7%	2,584
Black	30.8%	109,519	Married	10.7%	38,046
White	61.7%	219,621	Separated	5.6%	20,089
American Indian/Alaskan Native	2.1%	7,323	Single	70.8%	251,838
Other	4.3%	15,351	Unknown	0.9%	3,292
Unknown	0.6%	2,068	Widowed	1.6%	5,553
Pacific Islander	0.1%	196			
DIAGNOSIS			**ETHNICITY**		
Adjustment	4.3%	15,362	Hispanic Cuban	0.1%	393
Alcohol Abuse	6.1%	21,563	Hispanic Mexican American	1.6%	5,520
Alcohol Related Organic	0.2%	889	Hispanic Other	2.2%	7,817
Anxiety	7.8%	27,851	Hispanic Puerto Rican	0.4%	1,350
Attention Deficit	4.4%	15,655	Not Hispanic Origin	94.9%	337,699
Autism & Pervasive Dev.	1.5%	5,253	Unknown	0.8%	2,886
Bipolar	8.0%	28,574			
Conduct	3.4%	12,082			
Delusional	0.1%	376			
Diagnosis Deferred	2.3%	8,106			
Dissociative	0.0%	56			
Dysthymia	0.5%	1,852			
Eating and Sleeping Disorders	0.1%	273			
Mental Retardation	3.3%	11,689			
Major Depression	19.4%	68,974			
Medication Induced	0.0%	12			
No Mental Disorder	3.2%	11,479			
Other Childhood Disorders	0.3%	933			
Other Mental Disorders	0.4%	1,472			
Other Nonpsychotic/Mental	4.1%	14,646			
Other Problems Not Mental	0.4%	1,480			
Other Psychotic	0.9%	3,331			
Personality & Other Impulses	0.7%	2,454			

*AGE FOR PERSONS SERVED WAS CALCULATED AS AGE AT 06-30-2017.

TABLE 2B

Table 2B reflects the number of persons served for each county that falls within the LME-MCO's catchment area. Table 2 on the other hand reflects number of persons served by the LME-MCO regardless of the county of residence.

This difference is pointed out in case the reader is trying to compare the two tables.

TABLE 2B
PERSONS SERVED BY LME-MCO AND COUNTY
FOR THE NORTH CAROLINA LME-MCOs
FY 2016-17

State and Counties	Persons Served	State and Counties	Persons Served
North Carolina			
STATE TOTAL *	**321,511**		
Alliance	**58,603**	**Eastpointe**	**42,740**
Cumberland	11,691	Bladen	1,751
Durham	13,092	Columbus	3,139
Johnston	5,741	Duplin	2,387
Wake	28,079	Edgecombe	2,334
		Greene	573
Cardinal Innovations	**46,642**	Lenoir	4,387
Alamance	3,338	Nash	2,760
Cabarrus	3,408	Robeson	8,884
Caswell	473	Sampson	3,609
Chatham	1,115	Scotland	2,414
Davidson	3,188	Wayne	6,983
Davie	312	Wilson	3,519
Forsyth	4,906		
Franklin	1,241	**Partners Behavioral**	**48,752**
Granville	958	Burke	5,055
Halifax	2,137	Catawba	8,607
Mecklenburg	8,406	Cleveland	5,874
Orange	3,012	Gaston	13,137
Person	1,371	Iredell	7,281
Rockingham	1,808	Lincoln	3,126
Rowan	3,501	Surry	4,025
Stanly	1,840	Yadkin	1,647
Stokes	604		
Union	2,873	**Sandhills**	**50,695**
Vance	1,543	Anson	1,811
Warren	608	Guilford	21,947
		Harnett	4,860
		Hoke	2,270
		Lee	2,915
		Montgomery	1,579
		Moore	4,139
		Randolph	7,507
		Richmond	3,667

* State Total includes 388 Persons Served that are Out of State and 952 Persons Served with Unknown
  County of Residence

TABLE 2B cont'd
PERSONS SERVED BY LME-MCO AND COUNTY
FOR THE NORTH CAROLINA LME-MC0s
FY 2016-17

State and Counties	Persons Served	State and Counties	Persons Served
North Carolina			
STATE TOTAL *	**321,511**		
Trillium	**33,788**	**VAYA**	**38,951**
Beaufort	2,107	Alexander	1,205
Bertie	645	Alleghany	529
Brunswick	1,831	Ashe	1,196
Camden	211	Avery	833
Carteret	1,410	Buncombe	7,034
Chowan	478	Caldwell	3,392
Craven	4,726	Cherokee	1,580
Currituck	619	Clay	489
Dare	1,250	Graham	527
Gates	273	Haywood	4,522
Hertford	787	Henderson	1,916
Hyde	139	Jackson	2,268
Jones	418	Macon	985
Martin	1,818	Madison	869
New Hanover	4,522	McDowell	2,286
Northampton	676	Mitchell	390
Onslow	2,232	Polk	284
Pamlico	524	Rutherford	1,728
Pasquotank	1,325	Swain	993
Pender	848	Transylvania	1,171
Perquimans	380	Watauga	1,466
Pitt	5,983	Wilkes	2,811
Tyrrell	104	Yancey	477
Washington	482		

* State Total includes 388 Persons Served that are Out of State and 952 Persons Served with Unknown
  County of Residence

TABLE 3

The data reflected in this table included admissions by diagnosis and marital status. The aggregate groupings of diagnosis are based on the ICD9 and ICD10 (International Classification of   **Diseases, 9th Revision Clinical Modification,** International Classification of   **Diseases, 10th Revision Clinical Modification**)

Of the diagnosis reported at the time of admission, substance abuse (**34,785**) accounted for **(31.2%)** of all admissions. However, when looking at Psychiatric Diagnosis only, which represented **(58.2%)** of all diagnosis, major depressive disorders **(19,726)** accounted for **(17.7%**) of all admissions. There were **(9,762**) alcohol abuse admissions which accounted for **(8.8%)** of all admissions.

In the marital category, the largest group is those who are single, representing **71.4%** of all admissions.

TABLE 3
TOTAL ADMISSIONS BY DIAGNOSTIC CATEGORY & MARITAL STATUS
NORTH CAROLINA LME-MCOs, FY2016-2017

	TOTAL	
	*PERCENT	NUMBER
TOTAL ADMISSIONS	100.0%	111,487
DIAGNOSTIC CATEGORY **		
Substance Abuse (Drugs)	31.2%	34,785
Major Depression	17.7%	19,726
Alcohol Abuse	8.8%	9,762
Bipolar	7.0%	7,808
Anxiety	7.4%	8,295
No Mental Disorder	6.6%	7,401
Adjustment	3.9%	4,341
Other Nonpsychotic/Mental	3.2%	3,537
Attention Deficit	2.3%	2,619
Schizophrenic	2.5%	2,776
Conduct	2.2%	2,450
Schizoaffective	1.8%	1,979
Unknown	1.0%	1,065
I/DD	0.7%	758
Personality & Other Impulses	0.7%	770
Autism & Pervasive Dev.	0.6%	665
Diagnosis Deferred	0.5%	532
Dysthymia	0.5%	510
Other Psychotic	0.1%	137
Other Problems Not Mental	0.4%	413
Other Mental Disorders	0.3%	281
Alcohol Related Organic	0.4%	451
Specific Development	0.1%	164
Delusional	0.1%	93
Eating and Sleeping Disorders	0.0%	36
Other Childhood Disorders	0.0%	32
Schizophreniform	0.0%	27
Sexual	0.0%	24
Primary Degenerative Dementia	0.0%	11
Somatoform/Factitious	0.0%	18
Dissociative	0.0%	15
Vascular Dementia	0.0%	6
Medication Induced	0.0%	0
MARITAL STATUS		
Single	71.4%	79,588
Married	10.5%	11,750
Divorced	9.7%	10,864
Separated	5.6%	6,243
Widowed	1.4%	1,588
Domestic partners	1.1%	1,254
Unknown	0.2%	169
Annulled	0.0%	31

*TOTALS DO NOT ALWAYS EQUAL 100 % DUE TO ROUNDING
** DERIVED FROM ICD-9 and ICD-10 CODING
TASC ADMISSIONS ARE INCLUDED IN TABLE 3.

TABLE 3A

The data in this table reflects admission characteristics by race, sex and age categories.

Males represented a majority of the total admissions **57.9%** with females representing **42.1%** of the total admissions.

When looking at race categories during FY17 non-white admissions numbered **41,262** or **37%** of the total reported. Of the non-white admissions reported **1.5%** was American Indians.

The age group composition of LME-MCO's admissions reflects that **29%** fell within the 25 to 34 age group. When admissions are grouped by the three major age groups, **13%** were 0-17, **88.1%** was between 18-64 years of age and **1.7%** were 65 years and older.

TABLE 3A
TOTAL ADMISSIONS BY RACE,SEX AND AGE
NORTH CAROLINA LME-MCOs
FY2016-2017

	TOTAL	
	*PERCENT	NUMBER
TOTAL ADMISSIONS	100.0%	111,487
RACE		
WHITE	63.0%	70,225
BLACK	31.3%	34,897
AMERICAN INDIAN	1.5%	1,689
ASIAN/PACIFIC ISLANDER	0.5%	584
OTHER	3.4%	3,845
UNKNOWN	0.2%	247
GENDER		
MALE	57.9%	64,568
FEMALE	42.1%	46,913
UNKNOWN	0.0%	6
AGE		
00-04	0.5%	612
05-09	3.4%	3,753
10-14	5.0%	5,541
15-17	4.1%	4,549
18-20	5.8%	6,431
21-24	12.1%	13,518
25-34	29.0%	32,355
35-44	18.7%	20,844
45-54	15.2%	16,976
55-64	7.2%	8,073
65 AND OVER	1.7%	1,927

*TOTALS DO NOT ALWAYS EQUAL 100 % DUE TO ROUNDING
TASC ADMISSIONS ARE INCLUDED IN TABLE 3A

Figure 3
Admissions Rate Per 100,000 Populations *
By Age Group by LME-MCO, FY2016-17

LME	Children Admissions (0-17)	Child Admission Rate	Adult Admissions (18 And Older)	Adult Admissions Rate	Total Admissions	Total Admission Rate
Alliance Behavioral	1,435	310	8,780	620	10,215	544
Cardinal Innovations	3,412	478	21,106	877	24,518	785
Eastpointe	391	207	5,116	817	5,507	676
Partners Behavioral	333	164	6,629	907	6,962	745
Sandhills	3,824	1,490	10,475	1,230	14,299	1,290
Trillium	2,113	756	12,903	1,263	15,016	1,154
VAYA	897	431	11,156	1,233	12,053	1,083
State Total	12,405	536	76,165	957	88,570	862

* Admissions rate = (Admissions/Population) x 100,000

TABLE 3B

Table 3B reflects the duplicated number of admissions for each of the LME-MCO's by age and disability. The age of the client was calculated on the admission date and the disability of the client was based on the diagnosis assigned to the client on the NCTRACKS Paid Claims.

Of the **111,487** clients admitted, **58.2**% (**64,902**) were mentally ill, **1.42% (1,587)** were developmentally disabled, and **40.36% (44,988**) were substance abusers. Within each disability the percent of children served (0-17) ranged from **1.01% (456)** of substance abusers, to **43.54%** (**691**) of the developmentally disabled. The percent of children served in the mental health category was **17.03% (11,051**).

TABLE 3B
NUMBER OF DUPLICATED ADMISSIONS BY AGE DISABILITY
NORTH CAROLINA'S LME-MCOs AND TASC REGIONS
BY NAME, FY2016-17

LME	TOTAL ADMS	MENTALLY ILL			DEVELOPMENTAL DISABILITIES			SUBSTANCE ABUSE		
		TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD
Alliance	10,215	7,784	6,561	1,223	251	109	142	2,180	2,169	11
Cardinal Innovations	24,518	14,526	11,420	3,106	438	386	52	9,554	9,420	134
Eastpointe	5,507	4,151	3,822	329	95	56	39	1,261	1,255	6
Partners Behavioral Health	6,962	4,841	4,560	281	63	41	22	2,058	2,048	10
Sandhills	14,299	10,671	7,222	3,449	306	102	204	3,322	3,269	53
Trillium	15,016	8,139	6,346	1,793	276	105	171	6,601	6,547	54
VAYA	12,053	7,690	6,940	750	158	97	61	4,205	4,167	38
TASC Region 1	5,491	1,584	1,561	23	0	0	0	3,907	3,866	41
TASC Region 2	6,578	2,621	2,599	22	0	0	0	3,957	3,923	34
TASC Region 3	7,116	2,309	2,245	64	0	0	0	4,807	4,754	53
TASC Region 4	3,732	586	575	11	0	0	0	3,146	3,124	22
TOTAL	111,487	64,902	53,851	11,051	1,587	896	691	44,998	44,542	456

TABLE 3C

Table 3C reflects the unduplicated number of admissions for each of the LME-MCO's by age and disability. The age of the client was calculated on the admission date and the disability of the client was based on the diagnosis assigned to the client on the NCTRACKS Paid Claim.

Of the **107,111** clients admitted, **59.45% (63,679)** were mentally ill, **1.48% (1,581)** were developmentally disabled, and **39.07% (41,851)** were substance abusers. Within each disability the percent of children served (0-17) ranged from **1.06% (442)** of substance abusers, to **43.58% (689)** of the developmentally disabled. The percent of children served in the mental health category was **17.16% (10,928)**.

LME	TOTAL ADMS	MENTALLY ILL			DEVELOPMENTAL DISABILITIES			SUBSTANCE ABUSE		
		TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD
Alliance	9,948	7,564	6,393	1,171	248	106	142	2,136	2,125	11
Cardinal Innovations	22,963	14,203	11,127	3,076	438	386	52	8,322	8,196	126
Trillium	13,910	7,980	6,203	1,777	276	105	171	5,654	5,602	52
Eastpointe	5,433	4,102	3,777	325	94	55	39	1,237	1,231	6
Partners Behavioral Health	6,744	4,734	4,453	281	63	41	22	1,947	1,937	10
Sandhills	14,049	10,562	7,131	3,431	306	102	204	3,181	3,128	53
VAYA	11,745	7,595	6,847	748	156	97	59	3,994	3,957	37
TASC Region 1	5,401	1,559	1,537	22	0	0	0	3,842	3,802	40
TASC Region 2	6,369	2,549	2,527	22	0	0	0	3,820	3,787	33
TASC Region 3	6,883	2,251	2,187	64	0	0	0	4,632	4,580	52
TASC Region 4	3,666	580	569	11	0	0	0	3,086	3,064	22
TOTAL	107,111	63,679	52,751	10,928	1,581	892	689	41,851	41,409	442

TABLE 4

This table includes selected indicators for all terminations while the proceeding four tables focused on admissions. This table was included since diagnostic classification may change during the course of treatment and final diagnosis should be more accurate.

The relationships described for admission diagnosis remained true for termination diagnoses, although absolute numbers and percentages changed. Substance abuse accounted for **35.4%** of terminations versus **31.2%** of admissions. Adjustment disorders accounted for **3.5%** of terminations versus **3.9%** of admissions while major depression disorders accounted for **14.8%** versus **17.7** % at admission.

TABLE 4
TOTAL TERMINATIONS BY DIAGNOSTIC CATEGORY, RACE, SEX AND AGE
NORTH CAROLINA LME-MCOs, FY2016-2017

	TOTAL	
	PERCENT*	NUMBER
TOTAL TERMINATIONS	100.0%	87,108
DIAGNOSTIC CATEGORY **		
Adjustment	3.5%	3,061
Alcohol Abuse	9.8%	8,543
Alcohol Related Organic	0.4%	369
Anxiety	6.2%	5,401
Attention Deficit	2.7%	2,339
Autism & Pervasive Dev.	0.3%	232
Bipolar	5.8%	5,022
Conduct	2.4%	2,061
Delusional	0.1%	62
Diagnosis Deferred	0.6%	566
Dissociative	0.0%	12
Dysthymia	0.4%	381
Eating and Sleeping Disorders	0.0%	23
I/DD	0.3%	247
Major Depression	14.8%	12,926
Medication Induced	0.0%	1
No Mental Disorder	8.0%	6,947
Other Childhood Disorders	0.1%	61
Other Mental Disorders	0.3%	225
Other Nonpsychotic/Mental	3.2%	2,825
Other Problems Not Mental	0.4%	390
Other Psychotic	0.2%	187
Personality & Other Impulses	0.5%	476
Primary Degenerative Dementia	0.0%	14
Schizoaffective	1.4%	1,196
Schizophrenic	1.9%	1,663
Schizophreniform	0.0%	20
Sexual	0.0%	24
Somatoform/Factitious	0.0%	12
Specific Development	0.1%	81
Substance Abuse (Drugs)	35.4%	30,858
Unknown	1.0%	877
Vascular Dementia	0.0%	6
RACE		
White	62.7%	54,637
Black	32.2%	28,020
American Indian	1.6%	1,419
Asian/Pacific Islander	0.5%	412
Other	2.9%	2,519
Unknown	0.1%	101
AGE GROUPS		
00-04	0.2%	131
05-09	2.6%	2,238
10-14	4.0%	3,509
15-17	3.6%	3,121
18-20	4.9%	4,304
21-24	10.7%	9,322
25-34	30.5%	26,606
35-44	19.2%	16,708
45-54	14.6%	12,713
55-64	7.8%	6,762
65 AND OVER	1.9%	1,694
GENDER		
Male	59.2%	51,559
Female	40.8%	35,544
Unknown	0.0%	5

*TOTALS DO NOT ALWAYS EQUAL 100 % DUE TO ROUNDING
**DERIVED FROM ICD9 AND ICD10 CODING

Table 5

Table 5 reflects the unduplicated count of persons served in each of the LME-MCO's by age and disability. The age of the client was calculated as of 6-30-17 and the disability of the client was based on the diagnosis assigned to the client on the NCTRACKS Paid Claims.

A total of **347,533** persons were served in the LME-MCO's during FY17. Persons Served is calculated by totaling the active caseload on July 1, of the fiscal year (excluding those clients on Inactive Status) and all admissions.

TABLE 5
NUMBER OF UNDUPLICATED PERSON SERVED BY AGE DISABILITY
NORTH CAROLINA'S LME-MCOs AND TASC REGIONS
BY NAME, FY2016-17

LME	PERSON SERVED	MENTALLY ILL			DEVELOPMENTAL DISABILITIES			SUBSTANCE ABUSE		
		TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD
Alliance	57,749	44,505	39,089	5,416	3,500	2,559	941	9,744	9,712	32
Cardinal Innovations	44,608	30,939	23,294	7,645	3,193	2,712	481	10,476	10,325	151
Eastpointe	43,258	34,301	27,438	6,863	2,516	1,936	580	6,441	6,390	51
Partners Behavioral Health	49,361	37,873	34,862	3,011	1,868	1,435	433	9,620	9,602	18
Sandhills	49,710	39,719	28,417	11,302	2,792	1,965	827	7,199	7,101	98
Trillium	31,505	20,921	16,145	4,776	2,151	1,535	616	8,433	8,364	69
VAYA	38,616	27,995	25,480	2,515	1,960	1,617	343	8,661	8,614	47
TASC Region 1	8,913	2,608	2,584	24	0	0	0	6,305	6,264	41
TASC Region 2	8,622	3,006	2,983	23	0	0	0	5,616	5,581	35
TASC Region 3	9,622	3,055	2,989	66	0	0	0	6,567	6,510	57
TASC Region 4	5,569	968	957	11	0	0	0	4,601	4,579	22
STATE TOTAL	347,533	245,890	204,238	41,652	17,980	13,759	4,221	83,663	83,042	621

<u>Table 6</u>

The screening process was discontinued on 7/1/2016 and data no longer available for this table.

Table 7

The data in these tables reflects the drug of choice for all 44,998 LME/TASC admissions with a substance abuse principal diagnosis.

Alcohol was the drug of choice for **(11,825)** admissions which represented **26.28%** of all substance abuse admissions. Marijuana/Hashish was the drug of choice **(11,656)** admissions which represented **25.9%** of all substance abuse admissions. Other Opiates was the drug of choice for **(5,679)** admissions which **12.62%** of all substance abuse admissions.

Table 7
Substance Abuse Admissions Data for the North Carolina LME-MCO's by Drug of Choice
FY2016-17

LME	Drug of Choice	Total Admissions
State Total		44,998
Alliance Behavioral	**Alcohol**	**902**
	Benzodiazepine (Valium Librium Tranxene)	10
	Cocaine/Crack	263
	Heroin	281
	Inhalants (e.g., nitrites, Freon, glue, turpentine, paint thinner, rubbing alcohol, gasoline)	1
	Marijuana/Hashish (Cannibus)	237
	Methamphetamine (Ice)	10
	Other (e.g., Diphenylhydantoin / Phenytoin, GHB/GBL, Ketamine)	2
	Other Amphetamines (Dextroamphetamine Dexedrine	5
	Other Hallucinogens (LSD MDA Psilocybin Mescaline)	3
	Other Opiates and Synthetics (Morphine Codeine Dil	305
	Other Sedatives or Hypnotics (Doriden Quaalude)	10
	Other Stimulants (e.g. caffeine)	10
	Tobacco	1
	Unknown	140
Alliance Behavioral Total		**2,180**

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Table 7 cont'd
Substance Abuse Admissions Data for the North Carolina LME-MCO's by Drug of Choice
FY2016-17

LME	Drug of Choice	Total Admissions
State Total		44,998
Cardinal Innovations	**Alcohol**	**2,999**
	Benzodiazepine (Valium Librium Tranxene)	37
	Cocaine/Crack	1,062
	Heroin	1,959
	Inhalants (e.g., nitrites, Freon, glue, turpentine, paint thinner, rubbing alcohol, gasoline)	2
	Marijuana/Hashish (Cannibus)	1,311
	Methamphetamine (Ice)	99
	Non-Prescription Methadone	60
	Other (e.g., Diphenylhydantoin / Phenytoin, GHB/GBL, Ketamine)	15
	Other Amphetamines (Dextroamphetamine Dexedrine	6
	Other Hallucinogens (LSD MDA Psilocybin Mescaline)	3
	Other Opiates and Synthetics (Morphine Codeine Dil	1,026
	Other Sedatives or Hypnotics (Doriden Quaalude)	10
	Other Stimulants (e.g. caffeine)	4
	Over the counter drugs (e.g diet tablets cough syr	1
	PCP (Phencyclidine)	1
	Tobacco	10
	Unknown	949
Cardinal Innovations Total		**9,554**

Table 7 cont'd
Substance Abuse Admissions Data for the North Carolina LME-MCO's by Drug of Choice
FY2016-17

LME	Drug of Choice	Total Admissions
State Total		44,998
EastPointe	**Alcohol**	**366**
	Benzodiazepine (Valium Librium Tranxene)	14
	Cocaine/Crack	157
	Heroin	164
	Marijuana/Hashish (Cannibus)	285
	Methamphetamine (Ice)	35
	Non-Prescription Methadone	3
	Other (e.g., Diphenylhydantoin / Phenytoin, GHB/GBL, Ketamine)	3
	Other Amphetamines (Dextroamphetamine Dexedrine	2
	Other Hallucinogens (LSD MDA Psilocybin Mescaline)	2
	Other Opiates and Synthetics (Morphine Codeine Dil	155
	Other Sedatives or Hypnotics (Doriden Quaalude)	1
	Other Stimulants (e.g. caffeine)	6
	PCP (Phencyclidine)	2
	Unknown	66
EastPointe Total		**1,261**
Partners Behavioral	**Alcohol**	**765**
	Benzodiazepine (Valium Librium Tranxene)	17
	Cocaine/Crack	149
	Heroin	252
	Marijuana/Hashish (Cannibus)	287
	Methamphetamine (Ice)	116
	Non-Prescription Methadone	6
	Other (e.g., Diphenylhydantoin / Phenytoin, GHB/GBL, Ketamine)	1
	Other Amphetamines (Dextroamphetamine Dexedrine	12
	Other Hallucinogens (LSD MDA Psilocybin Mescaline)	2
	Other Opiates and Synthetics (Morphine Codeine Dil	396
	Other Sedatives or Hypnotics (Doriden Quaalude)	4
	Other Stimulants (e.g. caffeine)	3
	Over the counter drugs (e.g diet tablets cough syr	1
	Tobacco	4
	Unknown	43
Partners Behavioral Total		**2,058**

Table 7 cont'd
Substance Abuse Admissions Data for the North Carolina LME-MCO's by Drug of Choice
FY2016-17

LME	Drug of Choice	Total Admissions
State Total		44,998
Sandhills	**Alcohol**	**1,020**
	Benzodiazepine (Valium Librium Tranxene)	34
	Cocaine/Crack	369
	Heroin	530
	Marijuana/Hashish (Cannibus)	554
	Methamphetamine (Ice)	83
	Non-Prescription Methadone	9
	Other (e.g., Diphenylhydantoin / Phenytoin, GHB/GBL, Ketamine)	2
	Other Amphetamines (Dextroamphetamine Dexedrine	10
	Other Hallucinogens (LSD MDA Psilocybin Mescaline)	3
	Other Opiates and Synthetics (Morphine Codeine Dil	534
	Other Sedatives or Hypnotics (Doriden Quaalude)	3
	Other Stimulants (e.g. caffeine)	3
	Over the counter drugs (e.g diet tablets cough syr	1
	PCP (Phencyclidine)	1
	Tobacco	2
	Unknown	164
Sandhills Total		**3,322**
Trillium	**Alcohol**	**2,212**
	Benzodiazepine (Valium Librium Tranxene)	26
	Cocaine/Crack	511
	Heroin	1,558
	Marijuana/Hashish (Cannibus)	874
	Methamphetamine (Ice)	31
	Non-Prescription Methadone	34
	Other (e.g., Diphenylhydantoin / Phenytoin, GHB/GBL, Ketamine)	14
	Other Amphetamines (Dextroamphetamine Dexedrine	6
	Other Hallucinogens (LSD MDA Psilocybin Mescaline)	4
	Other Opiates and Synthetics (Morphine Codeine Dil	982
	Other Sedatives or Hypnotics (Doriden Quaalude)	6
	Other Stimulants (e.g. caffeine)	7
	Other Tranquilizers (Thorazine Haldol)	1
	PCP (Phencyclidine)	11
	Tobacco	17
	Unknown	307
Trillium Total		**6,601**

Table 7 cont'd
Substance Abuse Admissions Data for the North Carolina LME-MCO's by Drug of Choice
FY2016-17

LME	Drug of Choice	Total Admissions
State Total		44,998
VAYA	**Alcohol**	**1,279**
	Benzodiazepine (Valium Librium Tranxene)	40
	Cocaine/Crack	182
	Heroin	304
	Inhalants (e.g., nitrites, Freon, glue, turpentine, paint thinner, rubbing alcohol, gasoline)	1
	Marijuana/Hashish (Cannibus)	380
	Methamphetamine (Ice)	609
	Non-Prescription Methadone	16
	Other (e.g., Diphenylhydantoin / Phenytoin, GHB/GBL, Ketamine)	24
	Other Amphetamines (Dextroamphetamine Dexedrine	25
	Other Hallucinogens (LSD MDA Psilocybin Mescaline)	4
	Other Opiates and Synthetics (Morphine Codeine Dil	930
	Other Sedatives or Hypnotics (Doriden Quaalude)	20
	Other Stimulants (e.g. caffeine)	26
	Other Tranquilizers (Thorazine Haldol)	1
	Over the counter drugs (e.g diet tablets cough syr	3
	PCP (Phencyclidine)	1
	Tobacco	16
	Unknown	344
VAYA Total		**4,205**

Table 7 cont'd
Substance Abuse Admissions Data for the North Carolina LME-MCO's by Drug of Choice
FY2016-17

LME	Drug of Choice	Total Admissions
State Total		44,998
TASC	**Alcohol**	**2,282**
	Benzodiazepine (Valium Librium Tranxene)	72
	Cocaine/Crack	1,931
	Heroin	1,231
	Inhalants (e.g., nitrites, Freon, glue, turpentine, paint thinner, rubbing alcohol, gasoline)	5
	Marijuana/Hashish (Cannibus)	7,728
	Methamphetamine (Ice)	935
	None (e.g client in remission)	46
	Non-Prescription Methadone	7
	Other (e.g., Diphenylhydantoin / Phenytoin, GHB/GBL, Ketamine)	104
	Other Amphetamines (Dextroamphetamine Dexedrine	66
	Other Hallucinogens (LSD MDA Psilocybin Mescaline)	7
	Other Opiates and Synthetics (Morphine Codeine Dil	1,351
	Other Sedatives or Hypnotics (Doriden Quaalude)	11
	Other Stimulants (e.g. caffeine)	14
	Other Tranquilizers (Thorazine Haldol)	11
	Over the counter drugs (e.g diet tablets cough syr	3
	PCP (Phencyclidine)	13
TASC Total		**15,817**

Table 7 cont'd
Substance Abuse Admissions Data for the North Carolina LME-MCO's by Drug of Choice
FY2016-17

	Drug of Choice	Total Admissions	%
	Alcohol	11,825	26.28%
	Benzodiazepine (Valium Librium Tranxene)	250	0.56%
	Cocaine/Crack	4,624	10.28%
	Heroin	6,279	13.95%
	Inhalants (e.g., nitrites, Freon, glue, turpentine, paint thinner, rubbing alcohol, gasoline)	9	0.02%
	Marijuana/Hashish (Cannibus)	11,656	25.90%
	Methamphetamine (Ice)	1,918	4.26%
	None (e.g client in remission)	46	0.10%
	Non-Prescription Methadone	135	0.30%
	Other (e.g., Diphenylhydantoin / Phenytoin, GHB/GBL, Ketamine)	165	0.37%
	Other Amphetamines (Dextroamphetamine Dexedrine	132	0.29%
	Other Hallucinogens (LSD MDA Psilocybin Mescaline)	28	0.06%
	Other Opiates and Synthetics (Morphine Codeine Dil	5,679	12.62%
	Other Sedatives or Hypnotics (Doriden Quaalude)	65	0.14%
	Other Stimulants (e.g. caffeine)	73	0.16%
	Other Tranquilizers (Thorazine Haldol)	13	0.03%
	Over the counter drugs (e.g diet tablets cough syr	9	0.02%
	PCP (Phencyclidine)	29	0.06%
	Tobacco	50	0.11%
	Unknown	2,013	4.47%
	Total	**44,998**	

Table 8

Due to the interest in our Veterans, Table 8 represents admission data by race, age, ethnicity and employment status.

Table 8
Veteran Data
CDW FY2017 LME-MCO and TASC Admissions by Race, Veteran Status and Age

VETERAN	Race	00-17	18-22	23-24	25-34	35-44	45-54	55-64	65-74	75+	Total
Yes	American Indian Alaskan Native	0	0	2	10	5	10	3	1	0	31
Yes	Asian or Pacific Islander	0	0	2	7	2	2	3	0	0	16
Yes	Black	33	51	39	237	147	198	224	38	3	970
Yes	Multiracial	2	2	1	10	4	2	0	0	0	21
Yes	Other	4	10	3	31	14	8	2	0	0	72
Yes	Unknown	0	0	0	0	1	1	0	0	0	2
Yes	White	57	83	60	539	350	303	211	75	30	1,708
Veteran Total		96	146	107	834	523	524	443	114	33	2,820
No	American Indian Alaskan Native	120	153	101	519	377	260	113	12	3	1,658
No	Asian or Pacific Islander	84	83	35	193	103	41	17	8	4	568
No	Black	4,380	3,653	2,219	9,702	5,756	5,045	2,701	407	64	33,927
No	Multiracial	241	114	48	257	120	77	20	4	1	882
No	Other	534	601	216	771	422	210	100	15	1	2,870
No	Unknown	52	32	9	54	44	33	17	3	1	245
No	White	6,691	6,198	3,776	21,331	13,968	10,289	5,029	953	282	68,517
Non-Veteran Total		12,102	10,834	6,404	32,827	20,790	15,955	7,997	1,402	356	108,667
Total		12,198	10,980	6,511	33,661	21,313	16,479	8,440	1,516	389	111,487

CDW FY2017 LME-MCO and TASC Admissions by Ethnicity, Veteran Status and Age

VETERAN	Ethnicity	00-17	18-22	23-24	25-34	35-44	45-54	55-64	65-74	75+	Total
Yes	Hispanic Cuban	0	0	0	1	1	0	0	0	0	2
Yes	Hispanic Mexican American	1	2	0	6	1	1	0	0	0	11
Yes	Hispanic Other	5	4	0	7	7	6	3	0	0	32
Yes	Hispanic Puerto Rican	1	3	0	3	2	0	1	0	0	10
Yes	Not Hispanic Origin	88	137	107	817	511	517	439	113	33	2,762
Yes	Unknown	1	0	0	0	1	0	0	1	0	3
Veteran Total		96	146	107	834	523	524	443	114	33	2,820
No	Hispanic Cuban	15	8	4	13	12	11	16	1	0	80
No	Hispanic Mexican American	397	286	89	331	179	70	21	4	1	1,378
No	Hispanic Other	720	317	126	530	377	190	68	19	4	2,351
No	Hispanic Puerto Rican	45	54	23	94	69	44	18	3	2	352
No	Not Hispanic Origin	10,854	10,125	6,147	31,795	20,099	15,613	7,862	1,371	349	104,215
No	Unknown	71	44	15	64	54	27	12	4	0	291
Non-Veteran Total		12,102	10,834	6,404	32,827	20,790	15,955	7,997	1,402	356	108,667
Total		12,198	10,980	6,511	33,661	21,313	16,479	8,440	1,516	389	111,487

CDW FY2017 LME-MCO and TASC Admissions by Employment, Veteran Status and Age

VETERAN	Employment	00-17	18-22	23-24	25-34	35-44	45-54	55-64	65-74	75+	Total
Yes	Armed Forces/National Guard	0	1	2	4	2	0	1	0	0	10
Yes	Employed full time	1	33	22	174	105	69	30	6	0	440
Yes	Employed part time	2	19	15	60	37	25	23	2	0	183
Yes	Not in work force homemaker	0	1	1	4	0	3	1	1	0	11
Yes	Not in work force not available for work	2	3	5	32	30	51	93	23	3	242
Yes	Not in work force retired	0	0	0	1	6	4	20	45	12	88
Yes	Not in work force student	85	16	5	6	1	1	0	0	0	114
Yes	Seasonal/Migrant Worker	0	0	0	1	0	1	1	0	1	4
Yes	Unemployed	5	73	57	548	337	361	271	37	17	1,706
Yes	Unknown	1	0	0	4	5	9	3	0	0	22
Veteran Total		96	146	107	834	523	524	443	114	33	2,820
No	Armed Forces/National Guard	0	0	0	5	2	1	0	0	0	8
No	Employed full time	33	1,661	1,200	5,800	3,287	1,714	495	29	3	14,222
No	Employed part time	92	1,378	625	2,658	1,421	764	320	27	2	7,287
No	Not in work force homemaker	2	24	29	220	137	80	41	14	6	553
No	Not in work force not available for work	970	240	153	959	1,000	1,199	926	203	31	5,681
No	Not in work force retired	4	3	0	3	9	35	168	313	171	706
No	Not in work force student	10,439	986	146	268	84	48	11	2	1	11,985
No	Seasonal/Migrant Worker	2	6	6	25	14	17	9	0	0	79
No	Unemployed	435	6,297	4,114	22,357	14,419	11,780	5,853	728	122	66,105
No	Unknown	125	239	131	532	417	317	174	86	20	2,041
Non-Veteran Total		12,102	10,834	6,404	32,827	20,790	15,955	7,997	1,402	356	108,667
Total		12,198	10,980	6,511	33,661	21,313	16,479	8,440	1,516	389	111,487