



**BLACK MOUNTAIN NEURO-MEDICAL
CENTER**

O'BERRY NEURO-MEDICAL CENTER

LONGLEAF NEURO-MEDICAL CENTER

ANNUAL STATISTICAL REPORT

FISCAL YEAR 2014

TITLE: Annual Statistical Report
Black Mountain Neuro-Medical Treatment Center
O’Berry Neuro-Medical Treatment Center
Longleaf Neuro-Medical Treatment Center
Fiscal Year 2014

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This FY2013-14 annual report on the three Neuro-Medical Treatment Centers is based on data extracted from the Neuro-Medical Treatment's data system (HEARTS). The data extract is stored in the Division of Mental Health, Developmental Disabilities and Substance Abuse Service's Client Data Warehouse (CDW). Data on Neuro-Medical Treatment resident population, admissions, discharges and persons served are presented (including individuals receiving respite services). The number of persons served and the rate of persons served per 100,000 population is shown for each county in the state. The Neuro-Medical Treatment Centers Report has been redesigned to reflect the data of all three Neuro-Medical Treatment Centers in the same table. This report only includes data on Inpatient Stays.

The data obtained from the Client Data Warehouse (CDW) database uses specific definitions and formulas. The Division of State Operated Healthcare Facilities (DSOHF) receives census reports directly from the developmental centers utilizing different definitions and formulas. It should be noted that the DSOHF and CDW reports are not consistent due to these different reporting requirements.

TOTAL ADMISSIONS

There were **225** admissions to the Neuro-Medical Treatment Centers during fiscal year 2014. This data includes duplicate admissions following community hospitalizations.

General Hospitals (Psych/Non Psych) represented **15.1%** of the referrals. Respite admissions accounted for over **51.6** percent (**116**) of the total admissions of FY14.

Females constituted **54.7** percent (**123**) of the admissions. Of the total admissions **21.8** percent (**49**) were non-white. **35.1** percent (**79**) of the year's admissions had completed a high school education. Almost **6.7** percent (**15**) last year of education was the eighth grade. **3.1** percent (**7**) had completed an associate degree.

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
FIRST AND READMISSIONS - FY 2013-14

TABLE 1

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL ADMISSIONS	100.0%	225	164	4	57
<u>VETERAN STATUS</u>					
Yes	17.8%	40	38	0	2
No	82.2%	185	126	4	55
<u>ADMISSION SOURCE*</u>					
Other Outpatients and Residential Non State	0.0%	0	0	0	0
Other Health Care	0.0%	0	0	0	0
State Facility	21.3%	48	11	0	37
Gen. Hosp. (Psych/Non Psych)	15.1%	34	11	3	20
Other Ind. Family, Friends	16.9%	38	38	0	0
VA Hospital	0.0%	0	0	0	0
All Others	46.7%	105	104	1	0
<u>RACE</u>					
White	78.2%	176	143	2	31
Black	20.9%	47	21	2	24
American Indian	0.0%	0	0	0	0
Asian/Pac. Islander.	0.0%	0	0	0	0
All Others	0.9%	2	0	0	2
<u>GENDER</u>					
Male	45.3%	102	66	3	33
Female	54.7%	123	98	1	24
<u>RESIDENTIAL ARRANGEMENT</u>					
Private Residence	44.4%	100	77	1	22
Other Independent	0.0%	0	0	0	0
Homeless	0.0%	0	0	0	0
Correctional Fac.	0.0%	0	0	0	0
Institution	6.7%	15	0	2	13
Residential Fac.	4.4%	10	8	0	2
Other Dependent	0.0%	0	0	0	0
Not Collected	44.4%	100	79	1	20

*Admission source reflects the referral source, not patient location, and some Admission Source codes were changed during SFY 2014.

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
FIRST AND READMISSIONS - FY2013-2014
TABLE 1 (CONT'D)

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL ADMISSIONS	100.0%	225	164	4	57
<u>AGE GROUPS</u>					
18-24 Years	0.0%	0	0	0	0
25-34 Years	0.9%	2	2	0	0
35-44 Years	0.0%	0	0	0	0
45-54 Years	5.3%	12	2	2	8
55-64 Years	11.6%	26	12	1	13
65+	82.2%	185	148	1	36
<u>MARITAL STATUS</u>					
Single	18.2%	41	18	4	19
Married	23.1%	52	39	0	13
Separated	0.0%	0	0	0	0
Divorced	14.2%	32	17	0	15
Widowed	41.3%	93	89	0	4
Unreported	3.1%	7	1	0	6
<u>EDUCATION LEVEL</u>					
PRESCH-KINDER.	0.0%	0	0	0	0
KINDERGARTEN	0.0%	0	0	0	0
FIRST GRADE	0.0%	0	0	0	0
SECOND GRADE	0.4%	1	1	0	0
THIRD GRADE	0.0%	0	0	0	0
FOURTH GRADE	0.4%	1	1	0	0
FIFTH GRADE	0.0%	0	0	0	0
SIXTH GRADE	2.2%	5	5	0	0
SEVENTH GRADE	3.6%	8	7	0	1
EIGHTH GRADE	6.7%	15	12	0	3
NINTH GRADE	1.3%	3	1	0	2
TENTH GRADE	3.6%	8	8	0	0
ELEVENTH GRADE	1.8%	4	2	0	2
TWELTH GRADE	35.1%	79	69	0	10
GED	3.1%	7	7	0	0
SOME COLLEGE	0.0%	0	0	0	0
TECH. TRADE SCHOOL	2.7%	6	5	0	1
ASSOC. DEGREE	3.1%	7	7	0	0
POST BATCH. DEGREE	5.3%	12	10	0	2
BACCAL. DEGREE	10.2%	23	22	0	1
POST GRAD. DEGREE	0.0%	0	0	0	0
SPECIAL EDUCATION	1.3%	3	3	0	0
NONE	0.9%	2	1	0	1
UNKNOWN	18.2%	41	3	4	34

**NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
FIRST AND READMISSIONS - FY2013-2014**

TABLE 1 (CONT'D)

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL ADMISSIONS	100.0%	225	164	4	57
ETHNIC ORIGIN					
HISPANIC MEX./AMER.	0.0%	0	0	0	0
HISPANIC PUERTO/RIC.	0.9%	2	0	0	2
HISPANIC CUBAN	0.0%	0	0	0	0
HISPANIC OTHER	0.0%	0	0	0	0
NOT OF HISPANIC ORIG.	99.1%	223	164	4	55

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS

TOTAL PERSONS SERVED FY2013-2014

TABLE 2-A

	TOTAL PERCENT	TOTAL NUMBER	BLACKMT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL PERSONS SERVED	100.0%	873	330	258	285
*AGE GROUPS					
18-24	0.1%	1	0	1	0
25-34	1.3%	11	4	7	0
35-44	2.4%	21	6	11	4
45-54	14.7%	128	29	77	22
55-64	25.1%	219	54	104	61
65+	56.5%	493	237	58	198
GENDER					
Males	56.2%	491	168	155	168
Females	43.8%	382	162	103	117
RACE					
White	68.0%	594	279	160	155
Black	30.0%	262	48	90	124
American Indian	0.9%	8	0	7	1
Asian/Pac. Islander	0.2%	2	1	0	1
Unknown	0.0%	0	0	0	0
Other	0.8%	7	2	1	4
ETHNIC ORIGIN					
Hispanic Mexican/American	0.2%	2	1	1	0
Hispanic Puerto Rican	0.5%	4	1	0	3
Hispanic Cuban	0.0%	0	0	0	0
Hispanic Other	0.0%	0	0	0	0
Not Hispanic Origin	99.2%	866	328	256	282
Unknown	0.1%	1	0	1	0

*AGE FOR PERSONS SERVED WAS CALCULATED AS AGE AT 06-30-14

**NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
LME AND RESPONSIBLE COUNTY
PERSONS SERVED DURING FY2013-2014**

TABLE 2B

STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2013 /1	ADMIS- SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP.	STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2013	ADMIS- SIONS	PERSONS SERVED	RATE** PERSONS SERVED PER 100,000 POP.
STATE TOTAL/1	648	225	873	9					
Alliance Behavioral	170	20	190	11	Centerpoint	19	4	23	4
Cumberland	43	2	45	13	Davie	0	1	1	2
Durham	15	2	17	6	Forsyth	12	1	13	4
Johnston	19	3	22	12	Rockingham	6	2	8	9
Wake	93	13	106	11	Stokes	1	0	1	2
Cardinal Innovations	90	15	105	4	Coastal Care	16	9	25	4
Alamance	7	2	9	6	Brunswick	2	1	3	3
Cabarrus	5	1	6	3	Carteret	2	1	3	4
Caswell	1	0	1	4	New Hanover	6	2	8	4
Chatham	3	0	3	4	Onslow	5	4	9	5
Davidson	10	0	10	6	Pender	1	1	2	4
Franklin	5	0	5	8					
Granville	1	1	2	3	Eastpointe	113	11	124	15
Halifax	8	5	13	24	Bladen	5	0	5	14
Mecklenburg	20	3	23	2	Columbus	8	0	8	14
Orange	10	1	11	8	Duplin	3	0	3	5
Person	1	0	1	3	Edgecombe	3	1	4	7
Rowan	7	0	7	5	Greene	0	0	0	0
Stanly	4	1	5	8	Lenoir	3	2	5	8
Union	3	1	4	2	Nash	11	0	11	12
Vance	4	0	4	9	Robeson	15	0	15	11
Warren	1	0	1	5	Sampson	8	1	9	14
					Scotland	6	0	6	17
					Wayne	34	4	38	30
					Wilson	17	3	20	24

**PERSONS SERVED RATE PER 100,000 NC POPULATION
(2014 POPULATION PROJECTIONS)
/1 INCLUDES 2 OUT OF STATE RESIDENTS
/2 INCLUDES 0 OUT OF STATE RESIDENTS
/3 INCLUDES 2 OUT OF STATE RESIDENTS

**NORTH CAROLINA NEURO MEDICAL TREATMENT CENTERS
LME AND RESPONSIBLE COUNTY
PERSONS SERVED DURING FY2013-2014**

TABLE 2B

STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2013 /1	ADMIS-SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP	STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2013	ADMIS-SIONS	PERSONS SERVED	RATE** PERSONS SERVED PER 100,000 POP.
STATE TOTAL/1	648	225	873	9					
ECBH	32	8	40	7	Partners Behavioral	38	26	64	7
Beaufort	4	3	7	15	Burke	5	18	23	26
Bertie	1	0	1	5	Catawba	6	2	8	5
Camden	0	0	0	0	Cleveland	10	0	10	10
Chowan	0	0	0	0	Gaston	9	4	13	6
Craven	6	2	8	8	Iredell	4	0	4	2
Currituck	2	1	3	12	Lincoln	2	1	3	4
Dare	1	0	1	3	Surry	1	1	2	3
Gates	1	0	1	9	Yadkin	1	0	1	3
Hertford	1	0	1	4					
Hyde	0	0	0	0	Sandhills	65	11	76	7
Jones	0	0	0	0	Anson	5	0	5	19
Martin	5	0	5	21	Guilford	10	7	17	3
Northampton	1	0	1	5	Harnett	8	3	11	9
Pamlico	1	1	2	15	Hoke	2	0	2	4
Pasquotank	1	0	1	3	Lee	9	0	9	15
Perquimans	0	0	0	0	Montgomery	1	0	1	4
Pitt	8	1	9	5	Moore	7	0	7	8
Tyrrell	0	0	0	0	Randolph	14	0	14	10
Washington	0	0	0	0	Richmond	9	1	10	22

**PERSONS SERVED RATE PER 100,000 NC POPULATION
(2014 POPULATION PROJECTIONS)
/1 INCLUDES 2 OUT OF STATE RESIDENTS
/2 INCLUDES 0 OUT OF STATE RESIDENTS
/3 INCLUDES 2 OUT OF STATE RESIDENTS

**NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
LME AND RESPONSIBLE COUNTY
PERSONS SERVED DURING FY2013-2014**

TABLE 2B

STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2013 /1	ADMIS- SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP.	STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2013	ADMIS- SIONS	PERSONS SERVED	RATE** PERSONS SERVED PER 100,000 POP.
STATE TOTAL/1	648	225	873	9					
Smoky Mountain	102	121	223	21	Unknown	1	0	1	
Alexander	1	0	1	3					
Alleghany	1	0	1	9					
Ashe	2	0	2	7					
Avery	1	0	1	6					
Buncombe	44	53	97	39					
Caldwell	3	1	4	5					
Cherokee	2	3	5	18					
Clay	1	0	1	9					
Graham	2	0	2	22					
Haywood	6	6	12	20					
Henderson	11	19	30	27					
Jackson	0	0	0	0					
Macon	3	1	4	12					
Madison	2	10	12	56					
McDowell	4	8	12	27					
Mitchell	1	0	1	7					
Polk	1	1	2	10					
Rutherford	7	12	19	28					
Swain	1	2	3	20					
Transylvania	1	1	2	6					
Watauga	2	0	2	4					
Wilkes	4	2	6	9					
Yancey	2	2	4	22					
Unknown	2	0	2						

**PERSONS SERVED RATE PER 100,000 NC POPULATION
(2014 POPULATION PROJECTIONS)

/1 INCLUDES 2 OUT OF STATE RESIDENTS

/2 INCLUDES 0 OUT OF STATE RESIDENTS

/3 INCLUDES 2 OUT OF STATE RESIDENTS

NORTH CAROLINA NEURO-TREATMENT MEDICAL CENTERS

06-30-14 RESIDENT POPULATION AND ON LEAVES

TABLE 3

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTERS	LONGLEAF CENTERS
TOTAL BOOK POPULATION	100%	641	172	241	228
*AGE GROUPS					
00-14	0.0%	0	0	0	0
15-17	0.0%	0	0	0	0
18-24	0.2%	1	0	1	0
25-34	1.7%	11	4	7	0
35-44	3.3%	21	6	11	4
45-54	18.4%	118	27	72	19
55-64	30.0%	192	40	99	53
65+	46.5%	298	95	51	152
GENDER					
Males	60.5%	388	111	142	135
Females	39.5%	253	61	99	93
RACE					
White	65.5%	420	143	148	129
Black	32.3%	207	26	85	96
American Indian	1.2%	8	0	7	1
Asian/Pac. Islander	0.3%	2	1	0	1
Other	0.6%	4	2	1	1
AVERAGE DAILY RESIDENT POP.		611	147	246	218

The total neuro-medical treatment resident and on leave population is **(641)**. Table 3 presents breakdowns of the population by age, sex, race, commitment, and diagnosis. 46.5 percent of the population is 65 years of age or older, **(60.5%)** is male. **34.5** percent is non-white.

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
DISCHARGES - FY2013-2014
TABLE 4

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL DISCHARGES	100.0%	232	158	17	57
<u>TYPE DISCHARGE</u>					
DIRECT DISCHARGE	78.9%	183	145	9	29
INDIRECT DISCHARGE	5.6%	13	4	3	6
TRANSFER-OUTS	0.0%	0	0	0	0
DEATHS	15.1%	35	8	5	22
OTHERS	0.4%	1	1	0	0
<u>REFERRAL FOR SERVICES</u>					
OTHER OUTPATIENT AND RESIDENTIAL NON STATE	1.7%	4	0	4	0
CRIMINAL JUSTICE	0.0%	0	0	0	0
NO REFERRAL	0.4%	1	1	0	0
COMMUNITY AGENCY	0.0%	0	0	0	0
VA HOSPITAL	0.0%	0	0	0	0
HOSPITAL FACILITY	0.0%	0	0	0	0
PSYCHIATRIC SERVICES -GENERAL HOSPITAL	14.7%	34	34	0	0
MR CENTER	0.0%	0	0	0	0
ADATC	0.0%	0	0	0	0
NCSCC	0.0%	0	0	0	0
NURSING FACILITY	0.9%	2	2	0	0
PRIVATE PHYSICIAN	0.0%	0	0	0	0
ATC	0.0%	0	0	0	0
WHITAKER	0.0%	0	0	0	0
ALL OTHERS	81.9%	190	120	13	57
WRIGHT	0.0%	0	0	0	0
STATE FACILITY	0.4%	1	1	0	0

DISCHARGES

Table 5 presents discharge information for the three neuro-medical treatment centers. The majority of discharges were direct (78.9 %). (5.6%) were indirect discharges. Deaths occurring at a NMTC facility accounted for (15.1 %) of discharges.

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS FY2013-2014
DISCHARGES BY REPORTED DAYS IN NEURO-MEDICAL CENTERS
TABLE 5

DAYS IN HOSPITAL	PERCENT	TOTAL	BLACK MT	O'BERRY	LONGLEAF
1-7 Days	38.4%	89	89	0	0
8-14 Days	20.3%	47	44	0	3
15-30 Days	1.7%	4	3	0	1
31-60 Days	0.9%	2	0	0	2
61-90 Days	0.9%	2	0	0	2
91-180 Days	2.6%	6	2	0	4
181-365 Days	3.9%	9	2	0	7
366+ Days	31.5%	73	18	17	38
TOTAL DISCHARGES	100.0%	232	158	17	57
TOTAL DAYS		330,828	44,668	204,971	81,189

LENGTH OF STAY

60.3 percent (140) of discharges had a length of stay of 30 days or less. This percentage increases to 64.7 percent (150) for a stay of 180 days or less. 68.5 percent (159) of discharges stayed in the facility for a year or less and 31.5 percent (73) have had a stay of over one year.

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS

TOTAL DISCHARGES - FY2013-2014

TABLE 6

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL DISCHARGES	100.0%	232	158	17	57
<u>AGE GROUPS</u>					
18-24	0.0%	0	0	0	0
25-34	0.0%	0	0	0	0
35-44	0.4%	1	1	0	0
45-54	3.9%	9	1	5	3
55-64	12.9%	30	16	5	9
65+	82.8%	192	140	7	45
<u>RACE</u>					
White	75.0%	174	136	12	26
Black	23.7%	55	22	5	28
American Indian	0.0%	0	0	0	0
Asian/Pac. Islander	0.0%	0	0	0	0
Other	1.3%	3	0	0	3
<u>GENDER</u>					
Male	44.4%	103	57	13	33
Female	55.6%	129	101	4	24