



**BLACK MOUNTAIN NEURO-MEDICAL
CENTER**

O'BERRY NEURO-MEDICAL CENTER

LONGLEAF NEURO-MEDICAL CENTER

ANNUAL STATISTICAL REPORT

FISCAL YEAR 2015

TITLE: Annual Statistical Report
Black Mountain Neuro-Medical Treatment Center
O’Berry Neuro-Medical Treatment Center
Longleaf Neuro-Medical Treatment Center
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This FY2014-15 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 (*duplicated*). The number of persons served and the rate of persons served per 100,000 population is shown for each county in the state. This report only includes data on inpatient stays.

The data obtained from the Client Data Warehouse 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 **236** admissions to the Neuro-Medical Treatment Centers during fiscal year 2015.

General Hospitals (Psych/Non Psych) represented **16.5%** of the referrals.

Males constituted **51.3%** (**121**) of the admissions. Of the total admissions **24.2%** (**57**) were non-white. **38.1%** (**90**) of the year's admissions had completed a high school education. Almost **2.5%** (**6**) last year of education was the tenth grade. **13.1%** percent (**31**) had completed a Bachelor's degree.

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
FIRST AND READMISSIONS - FY 2014-15

TABLE 1

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL ADMISSIONS	100.0%	236	152	7	77
<u>VETERAN STATUS</u>					
Yes	15.3%	36	31	0	5
No	84.7%	200	121	7	72
<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	27.5%	65	12	0	53
Gen. Hosp. (Psych/Non Psych)	16.5%	39	15	0	24
Other Ind. Family, Friends	3.0%	7	7	0	0
VA Hospital	0.0%	0	0	0	0
All Others	53.0%	125	118	7	0
<u>RACE</u>					
White	75.8%	179	133	3	43
Black	22.0%	52	17	3	32
American Indian	0.4%	1	0	1	0
Asian/Pac. Islander.	0.8%	2	1	0	1
All Others	0.8%	2	1	0	1
<u>GENDER</u>					
Male	51.3%	121	76	3	42
Female	48.7%	115	76	4	35
<u>RESIDENTIAL ARRANGEMENT</u>					
Private Residence	61.0%	144	121	0	23
Other Independent	0.0%	0	0	0	0
Homeless	0.0%	0	0	0	0
Correctional Fac.	0.0%	0	0	0	0
Institution	33.1%	78	24	7	47
Residential Fac.	1.7%	4	4	0	0
Other Dependent	1.3%	3	3	0	0
Nursing Home	3.0%	7	0	0	7
Not Collected	0.0%	0	0	0	0

*Admission source reflects the referral source, not the patient location at the time of the admission.

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
FIRST AND READMISSIONS - FY2014-2015
TABLE 1 (CONT'D)

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL ADMISSIONS	100.0%	236	152	7	77
<u>AGE GROUPS</u>					
18-24 Years	0.0%	0	0	0	0
25-34 Years	0.4%	1	0	0	1
35-44 Years	1.3%	3	1	0	2
45-54 Years	7.2%	17	3	3	11
55-64 Years	10.2%	24	9	2	13
65+	80.9%	191	139	2	50
<u>MARITAL STATUS</u>					
Single	28.0%	66	22	7	37
Married	27.1%	64	49	0	15
Separated	0.8%	2	1	0	1
Divorced	13.6%	32	16	0	16
Widowed	28.0%	66	62	0	4
Unreported	2.5%	6	2	0	4

**NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
FIRST AND READMISSIONS - FY2014-2015**

TABLE 1 (CONT'D)

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL ADMISSIONS	100.0%	236	152	7	77
<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	0.0%	0	0	0	0
THIRD GRADE	0.8%	2	2	0	0
FOURTH GRADE	0.4%	1	1	0	0
FIFTH GRADE	0.0%	0	0	0	0
SIXTH GRADE	1.7%	4	3	0	1
SEVENTH GRADE	0.8%	2	2	0	0
EIGHTH GRADE	1.7%	4	2	0	2
NINTH GRADE	1.7%	4	4	0	0
TENTH GRADE	2.5%	6	4	0	2
ELEVENTH GRADE	0.8%	2	2	0	0
TWELFTH GRADE	38.1%	90	73	0	17
GED	0.8%	2	2	0	0
SOME COLLEGE	0.0%	0	0	0	0
TECH. TRADE SCHOOL	0.4%	1	1	0	0
ASSOC. DEGREE	2.1%	5	5	0	0
POST BATCH. DEGREE	3.4%	8	8	0	0
BACCAL. DEGREE	13.1%	31	25	0	6
POST GRAD. DEGREE	0.0%	0	0	0	0
SPECIAL EDUCATION	1.3%	3	2	0	1
NONE	1.3%	3	3	0	0
UNKNOWN	28.8%	68	13	7	48
<u>ETHNIC ORIGIN</u>					
HISPANIC MEX./AMER.	0.0%	0	0	0	0
HISPANIC PUERTO/RIC.	0.4%	1	1	0	0
HISPANIC CUBAN	0.0%	0	0	0	0
HISPANIC OTHER	0.0%	0	0	0	0
NOT OF HISPANIC ORIG.	99.6%	235	151	7	77

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS

TOTAL PERSONS SERVED FY2014-2015

TABLE 2-A

TOTAL PERSONS SERVED	TOTAL PERCENT	TOTAL NUMBER	BLACKMT CENTER	O'BERRY CENTER	LONGLEAF CENTER
	100.0%	829	301	233	295
*AGE GROUPS					
18-24	0.1%	1	0	1	0
25-34	1.0%	8	4	3	1
35-44	2.7%	22	6	10	6
45-54	14.7%	122	27	70	25
55-64	24.5%	203	46	93	64
65+	57.1%	473	218	56	199
GENDER					
Males	57.7%	478	172	133	173
Females	42.3%	351	129	100	122
RACE					
White	67.7%	561	255	143	163
Black	30.2%	250	42	82	126
American Indian	1.1%	9	0	8	1
Asian/Pac. Islander	0.5%	4	1	0	3
Unknown	0.0%	0	0	0	0
Other	0.6%	5	3	0	2
ETHNIC ORIGIN					
Hispanic Mexican/American	0.1%	1	1	0	0
Hispanic Puerto Rican	0.4%	3	2	0	1
Hispanic Cuban	0.0%	0	0	0	0
Hispanic Other	0.0%	0	0	0	0
Not Hispanic Origin	99.5%	825	298	233	294
Unknown	0.0%	0	0	0	0

*AGE FOR PERSONS SERVED WAS CALCULATED AS AGE AT 06-30-15

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
LME AND RESPONSIBLE COUNTY
PERSONS SERVED DURING FY2014-2015

TABLE 2B

STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2014 /1	ADMIS- SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP.	STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2014	ADMIS- SIONS	PERSONS SERVED	RATE** PERSONS SERVED PER 100,000 POP.
STATE TOTAL/1	593	236	829	8					
Alliance Behavioral	155	27	182	10	Centerpoint	20	6	26	5
Cumberland	41	3	44	13	Davie	1	0	1	2
Durham	13	2	15	5	Forsyth	13	5	18	5
Johnston	18	8	26	14	Rockingham	5	1	6	6
Wake	83	14	97	10	Stokes	1	0	1	2
Cardinal Innovations	91	16	107	4	Coastal Care	19	2	21	3
Alamance	7	1	8	5	Brunswick	2	0	2	2
Cabarrus	6	1	7	4	Carteret	3	0	3	4
Caswell	1	0	1	4	New Hanover	7	2	9	4
Chatham	3	2	5	7	Onslow	6	0	6	3
Davidson	9	1	10	6	Pender	1	0	1	2
Franklin	3	2	5	8					
Granville	2	1	3	5	Eastpointe	102	22	124	15
Halifax	9	0	9	17	Bladen	4	0	4	11
Mecklenburg	20	5	25	2	Columbus	7	1	8	14
Orange	10	0	10	7	Duplin	3	0	3	5
Person	1	0	1	3	Edgecombe	2	1	3	5
Rowan	6	1	7	5	Greene	0	0	0	
Stanly	5	0	5	8	Lenoir	4	1	5	9
Union	4	1	5	2	Nash	9	4	13	14
Vance	4	0	4	9	Robeson	14	1	15	11
Warren	1	1	2	10	Sampson	8	0	8	12
					Scotland	6	2	8	22
					Wayne	30	7	37	29
					Wilson	15	5	20	24

**NORTH CAROLINA NEURO MEDICAL TREATMENT CENTERS
LME AND RESPONSIBLE COUNTY
PERSONS SERVED DURING FY2014-2015**

TABLE 2B

STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2014 /1	ADMIS-SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP	STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2014	ADMIS-SIONS	PERSONS SERVED	RATE** PERSONS SERVED PER 100,000 POP.
STATE TOTAL/1	593	236	829	8					
ECBH	30	6	36	6	Partners Behavioral	29	18	47	5
Beaufort	5	1	6	13	Burke	4	12	16	18
Bertie	0	0	0	0	Catawba	4	1	5	3
Camden	0	0	0	0	Cleveland	8	0	8	8
Chowan	0	0	0	0	Gaston	7	2	9	4
Craven	7	0	7	7	Iredell	2	0	2	1
Currituck	3	0	3	12	Lincoln	1	2	3	4
Dare	1	0	1	3	Surry	2	0	2	3
Gates	0	0	0	0	Yadkin	1	1	2	5
Hertford	1	1	2	8					
Hyde	0	0	0	0	Sandhills	53	14	67	6
Jones	0	0	0	0	Anson	5	0	5	19
Martin	5	0	5	21	Guilford	9	11	20	4
Northampton	0	1	1	5	Harnett	3	0	3	2
Pamlico	2	1	3	23	Hoke	2	1	3	6
Pasquotank	1	0	1	3	Lee	8	0	8	14
Perquimans	0	0	0	0	Montgomery	1	0	1	4
Pitt	5	2	7	4	Moore	7	0	7	7
Tyrrell	0	0	0	0	Randolph	9	2	11	8
Washington	0	0	0	0	Richmond	9	0	9	20

**PERSONS SERVED RATE PER 100,000 NC POPULATION
(2015 POPULATION PROJECTIONS)

/1 INCLUDES 1 OUT OF STATE RESIDENTS

/2 INCLUDES 2 OUT OF STATE RESIDENTS

/3 INCLUDES 3 OUT OF STATE RESIDENTS

**NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
LME AND RESPONSIBLE COUNTY
PERSONS SERVED DURING FY2014-2015**

TABLE 2B

STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2014 /1	ADMIS- SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP.	STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2014	ADMIS- SIONS	PERSONS SERVED	RATE** PERSONS SERVED PER 100,000 POP.
STATE TOTAL/1	593	236	829	8					
Smoky Mountain	91	123	214	20					
Alexander	1	0	1	3					
Alleghany	1	0	1	9					
Ashe	1	0	1	4					
Avery	1	0	1	6					
Buncombe	37	54	91	36					
Caldwell	4	4	8	10					
Cherokee	3	5	8	29					
Clay	0	0	0	0					
Graham	2	0	2	22					
Haywood	6	2	8	13					
Henderson	8	20	28	25					
Jackson	0	0	0	0					
Macon	3	4	7	20					
Madison	2	3	5	23					
McDowell	4	14	18	40					
Mitchell	1	2	3	19					
Polk	1	1	2	10					
Rutherford	7	8	15	22					
Swain	1	0	1	7					
Transylvania	1	1	2	6					
Watauga	1	1	2	4					
Wilkes	4	2	6	9					
Yancey	2	2	4	22					
Unknown	1	2	3						

**PERSONS SERVED RATE PER 100,000 NC POPULATION
(2015 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

06-30-15 RESIDENT POPULATION AND ON LEAVES

TABLE 3

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTERS	LONGLEAF CENTERS
TOTAL BOOK POPULATION	100%	576	154	216	206
<u>*AGE GROUPS</u>					
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	1.2%	7	4	3	0
35-44	3.0%	17	5	8	4
45-54	19.4%	112	26	66	20
55-64	29.9%	172	42	85	45
65+	46.4%	267	77	53	137
<u>GENDER</u>					
Males	59.0%	340	100	124	116
Females	41.0%	236	54	92	90
<u>RACE</u>					
White	64.8%	373	129	134	110
Black	32.8%	189	22	75	92
American Indian	1.4%	8	0	7	1
Asian/Pac. Islander	0.5%	3	1	0	2
Other	0.5%	3	2	0	1
AVERAGE DAILY RESIDENT POP.		583	151	223	209

The total neuro-medical treatment resident and on leave population is **(576)**. Table 3 presents breakdowns of the population by age, sex, race, commitment, and diagnosis. Residents with I/DD represents **51.2 %** of total population.

46.4 % of the population is 65 years of age or older, **(59 %)** is male. **35.2 %** is non-white.

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS
TOTAL DISCHARGES-FY2014-2015
TABLE 4

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL DISCHARGES	100.0%	253	147	17	89
<u>TYPE DISCHARGE</u>					
DIRECT DISCHARGE	56.9%	144	133	2	9
INDIRECT DISCHARGE	6.3%	16	3	6	7
TRANSFER-OUTS	0.4%	1	1	0	0
DEATHS**	18.2%	46	10	2	34
OTHERS	18.2%	46	0	7	39
<u>REFERRAL FOR SERVICES</u>					
OTHER OUTPATIENT AND RESIDENTIAL NON STATE	2.4%	6	0	6	0
CRIMINAL JUSTICE	0.0%	0	0	0	0
NO REFERRAL	0.0%	0	0	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	47.0%	119	119	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	3.2%	8	8	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	47.0%	119	19	11	89
WRIGHT	0.0%	0	0	0	0
STATE FACILITY	0.4%	1	1	0	0

DISCHARGES

Table 4 presents discharge information for the three neuro-medical treatment centers. The majority of discharges were direct (56.9 %). (6.3%) were indirect discharges. Deaths accounted for (18.2 %) of discharges.

47 % of all referrals for services at discharge were to a Psychiatric Services- General Hospital.

** Deaths as reported in HEARTS Database

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS FY2014-2015
DISCHARGES BY REPORTED DAYS IN NEURO-MEDICAL CENTERS
TABLE 5

DAYS IN HOSPITAL	PERCENT	TOTAL	BLACK MT	O'BERRY	LONGLEAF
1-7 Days	39.9%	101	100	0	1
8-14 Days	8.3%	21	20	1	0
15-30 Days	1.2%	3	2	0	1
31-60 Days	1.6%	4	1	0	3
61-90 Days	0.8%	2	0	0	2
91-180 Days	2.0%	5	0	0	5
181-365 Days	2.4%	6	2	0	4
366+ Days	43.9%	111	22	16	73
TOTAL DISCHARGES	100.0%	253	147	17	89
TOTAL DAYS		466,875	44,789	177,286	244,800

LENGTH OF STAY

49.4 percent (125) of discharges had a length of stay of 30 days or less. This percentage increases to 53.8 percent (136) for a stay of 180 days or less. 56.1 percent (142) of discharges stayed in the facility for a year or less and 43.9 percent (111) have had a stay of over one year.

NORTH CAROLINA NEURO-MEDICAL TREATMENT CENTERS

TOTAL DISCHARGES - FY2014-2015

TABLE 6

	TOTAL PERCENT	TOTAL NUMBER	BLACK MT CENTER	O'BERRY CENTER	LONGLEAF CENTER
TOTAL DISCHARGES	100.0%	253	147	17	89
<u>AGE GROUPS</u>					
18-24	0.0%	0	0	0	0
25-34	0.4%	1	0	0	1
35-44	2.4%	6	1	2	3
45-54	4.3%	11	1	4	6
55-64	12.3%	31	4	8	19
65+	80.6%	204	141	3	60
<u>RACE</u>					
White	74.3%	188	126	9	53
Black	24.1%	61	20	7	34
American Indian	0.4%	1	0	1	0
Asian/Pac. Islander	0.4%	1	0	0	1
Other	0.8%	2	1	0	1
<u>GENDER</u>					
Male	54.5%	138	72	9	57
Female	45.5%	115	75	8	32