

**NORTH CAROLINA DEVELOPMENTAL
CENTERS**

ANNUAL STATISTICAL REPORT

FISCAL YEAR 2013

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Data Operations Branch
Division of Mental Health,
Developmental Disabilities and
Substance Abuse Services
3019 Mail Service Center
Raleigh, N. C. 27699-3019
(919) 733-4460

PRINCIPAL AUTHOR OR COMPILER: Jeannette Barham
Business Systems Support Specialist

TYPED BY: Jeannette Barham
DMH/DD/SAS

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This FY2012-2013 annual report on the three Developmental Centers is based on data extracted from the developmental center'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 the developmental center's resident population, admissions, discharges and persons served are presented. Incorporated in the report are 8 tables and 1 graph. The number of persons served and the rate of persons served per 100,000 population is shown for each county in the state.

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.

For information regarding the DSOHF census reports please contact Vivian Leon at vivian.leon@dhhs.nc.gov

MAJOR SERVICE INDICATORS

Major service indicators for FY2012-2013 reported by the three centers show a mixed trend in most indicators. The resident population has shown a continuing decline since fiscal year 2004. The total number of admissions shows a slight increase from (123) admissions in FY2012 to (139) admissions in FY2013. This data includes duplicate admissions following community hospitalizations.

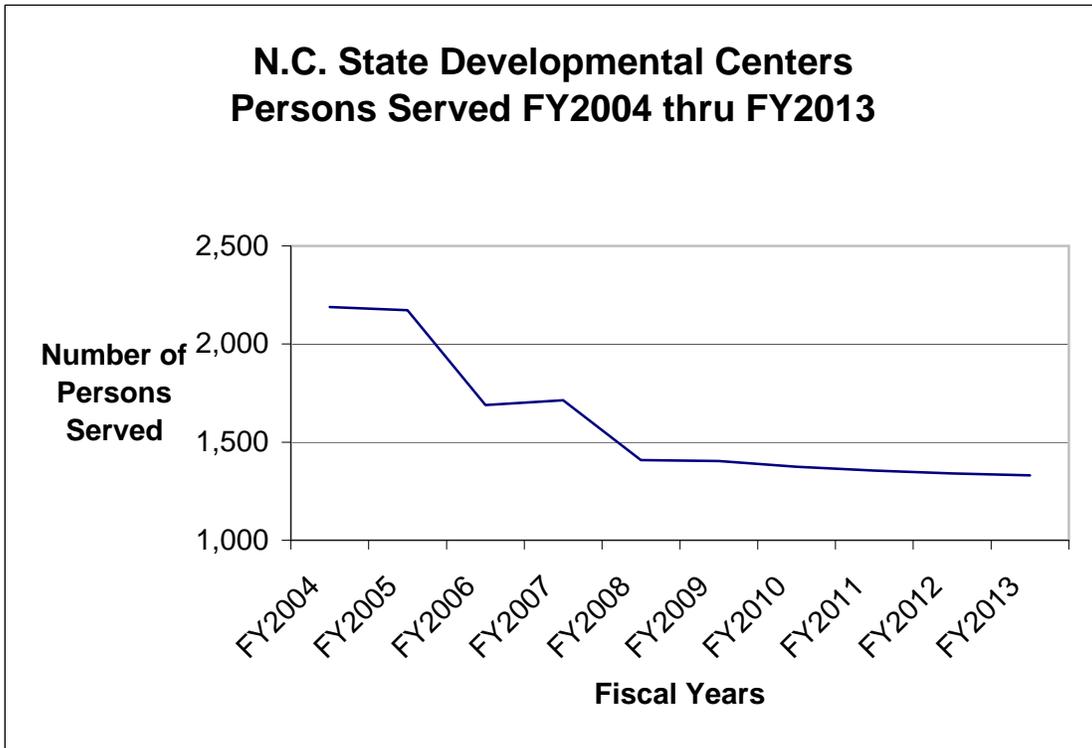
PERSONS SERVED

The number of persons served is the sum of the resident population and on leaves at the beginning of the fiscal year plus the number of admissions during the fiscal year. Table 2 shows the number of persons served by the three developmental centers from each county in the state. Also shown for each county is the rate of persons served per 100,000 county population. Table 2-A shows the number of persons served by the three developmental centers by selected indicators.

NORTH CAROLINA STATE DEVELOPMENTAL CENTERS
TRENDS OF MAJOR SERVICE INDICATORS
TABLE 1

		FY2013	FY2012	FY2011	FY2010	FY2009	FY2008	FY2007	FY2006	FY2005	FY2004	FY2003
Book Population, July 1, 2012	Resident	1,168	1,194	1,212	1,269	1,309	1,304	1,578	1,606	1,814	1,865	1,913
	Respite	24	23	24	23	22	23	25	24	31	27	26
Total Admissions, Transfer-In Total, First and Readmissions		139	123	119	83	73	82	110	60	327	297	311
	Resident	113	92	100	69	63	67	91	48	112	108	119
	Respite	26	31	19	14	10	15	19	12	215	189	192
Transfer-Ins		0	0	0	0	0	0	0	0	0	0	0
Total, Direct Discharges, Indirect Discharges and Deaths		187	142	136	101	102	78	93	88	343	341	345
Direct Discharges		138	102	87	63	40	30	62	56	96	113	120
Transfers Out		0	0	0	0	0	0	0	0	0	0	0
Respite Care Discharges		0	0	0	0	9	16	0	0	218	186	191
Indirect Discharges		6	9	13	14	14	19	12	15	6	13	9
Deaths		43	31	36	24	39	13	19	17	23	29	25
Resident Population, June 30, 2013	Resident	1,120	1,174	1,196	1,248	1,279	1,309	1,597	1,577	1,803	1,817	1,878
	Respite	24	24	23	26	23	22	23	25	26	31	27
Average Daily Population		1,144	1,198	1,204	1,233	1266	1,331	1,576	1594	1,782	1,847	1,900
Persons Served	Resident	1281	1286	1312	1338	1372	1,371	1,669	1654	1926	1,973	2,027
	Respite	50	54	43	37	32	38	44	36	246	216	223
		1,331	1,340	1,355	1,375	1,404	1,409	1,713	1,690	2,172	2,189	2,250

GRAPH 1



The data presented in the graph above represents the total number of persons served at the three N.C. Developmental Centers for fiscal years 2004 to 2013. There is a slight decrease in the number of persons served from 2012 to 2013.

NORTH CAROLINA STATE DEVELOPMENTAL CENTERS
PERSONS SERVED* - FY 2012-13
TABLE 2-A

	TOTAL PERCENT	TOTAL NUMBER	RIDDLE CENTER	MURDOCH	CASWELL
PERSONS SERVED	100.0%	1,331	349	563	419
<u>*AGE GROUPS</u>					
00-14	3.3%	44	0	44	0
15-17	2.4%	32	0	32	0
18-24	4.1%	54	16	19	19
25-34	6.8%	90	23	35	32
35-44	11.6%	155	66	62	27
45-54	24.2%	322	100	127	95
55-64	29.3%	390	110	147	133
65+	18.3%	244	34	97	113
<u>GENDER</u>					
Males	61.8%	823	216	353	254
Females	38.2%	508	133	210	165
<u>RACE</u>					
White	68.4%	910	291	374	245
Black	30.0%	399	56	176	167
Native American	0.1%	1	0	0	1
Alaskan Native	0.0%	0	0	0	0
Asian/Pac. Islander	0.5%	6	0	1	5
Other	1.1%	15	2	12	1
<u>ADMISSIONS TYPES*</u>					
Regular	95.3%	1,268	339	537	392
Respite	3.8%	50	5	26	19
NCI	0.0%	0	0	0	0
MRC RESIDENTIAL	1.0%	13	5	0	8
<u>ETHNIC ORIGIN</u>					
Hispanic Mexican/American	0.3%	4	1	3	0
Hispanic Puerto Rican	0.0%	0	0	0	0
Hispanic Cuban	0.2%	2	0	2	0
Hispanic Other	0.0%	0	0	0	0
Not Hispanic Origin	99.5%	1,325	348	558	419
Unknown	0.0%	0	0	0	0

*AGE FOR PERSONS SERVED WAS CALCULATED AS AGE AT 06-30-13.

NORTH CAROLINA DEVELOPMENTAL CENTERS
LME AND RESPONSIBLE COUNTY
PERSONS SERVED DURING FY2012-2013

TABLE 2B

STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2012 /1	ADMIS- SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP.	STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2012 /1	ADMIS- SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP.
STATE TOTAL/1	1,192	139	1,331	14					
Alliance	105	30	135	8	Centerpoint	100	8	108	20
Cumberland	9	3	12	4	Davie	8	1	9	22
Durham	62	7	69	24	Forsyth	68	7	75	21
Johnston	8	2	10	6	Rockingham	15	0	15	16
Wake	26	18	44	5	Stokes	9	0	9	19
Cardinal Innovations	200	9	209	15	Coastal Care	84	18	102	16
Alamance	30	0	30	20	Brunswick	14	1	15	13
Cabarrus	13	0	13	7	Carteret	12	2	14	20
Caswell	9	0	9	38	New Hanover	34	11	45	21
Chatham	9	0	9	14	Onslow	16	3	19	10
Davidson	8	1	9	6	Pender	8	1	9	17
Franklin	19	1	20	32					
Granville	18	1	19	33	Eastpointe	118	20	138	17
Halifax	12	1	13	7	Bladen	1	0	1	3
Orange	26	3	29	21	Columbus	2	0	2	3
Person	9	0	9	23	Duplin	12	1	13	22
Rowan	13	0	13	9	Edgecombe	16	1	17	30
Stanly	4	0	4	7	Greene	3	0	3	14
Union	6	1	7	3	Lenoir	28	10	38	64
Vance	18	0	18	40	Nash	15	4	19	20
Warren	6	1	7	34	Robeson	4	0	4	3
					Sampson	11	0	11	17
					Scotland	4	1	5	14
					Wayne	2	2	4	3
					Wilson	20	1	21	26

**PERSONS SERVED RATE PER 100,000 NC POPULATION
(2013 POPULATION PROJECTIONS)
/1 INCLUDES 0 OUT OF STATE RESIDENTS
/2 INCLUDES 0 OUT OF STATE RESIDENTS
/3 INCLUDES 0 OUT OF STATE RESIDENTS

**NORTH CAROLINA DEVELOPMENTAL CENTERS
LME AND RESPONSIBLE COUNTY
PERSONS SERVED DURING FY2012-2013**

TABLE 2B

STATE AND COUNTIES	RES. POP. AND ON LEAVES 7/1/2012 /1	ADMIS-SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP	STATE AND COUNTIES	RES. POP. AND ON LEAVES 7/1/2012 /1	ADMIS-SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP.
NORTH CAROLINA					NORTH CAROLINA				
STATE TOTAL/1	1,192	139	1,331	14					
ECBH	133	8	141	23	Mecklenburg	60	9	69	7
Beaufort	18	0	18	38	Mecklenburg	60	9	69	7
Bertie	10	0	10	48					
Camden	2	0	2	20	Partners Behavioral	167	8	175	19
Chowan	3	0	3	20	Burke	30	2	32	36
Craven	14	2	16	15	Catawba	26	1	27	17
Currituck	3	1	4	17	Cleveland	24	1	25	26
Dare	4	0	4	11	Gaston	35	2	37	18
Gates	1	0	1	8	Irdell	17	1	18	11
Hertford	3	0	3	12	Lincoln	13	0	13	16
Hyde	1	0	1	17	Surry	14	0	14	19
Jones	3	0	3	28	Yadkin	8	1	9	24
Martin	3	2	5	21					
Northampton	13	1	14	65	Sandhills	105	9	114	11
Pamlico	4	0	4	30	Anson	0	0	0	0
Pasquotank	11	1	12	30	Guilford	92	5	97	19
Perquimans	2	0	2	15	Harnett	0	1	1	1
Pitt	34	1	35	20	Hoke	0	1	1	2
Tyrell	2	0	2	48	Lee	2	0	2	3
Washington	2	0	2	16	Montgomery	1	0	1	4
					Moore	1	2	3	3
					Randolph	8	0	8	6
					Richmond	1	0	1	2

**PERSONS SERVED RATE PER 100,000 NC POPULATION
(2013 POPULATION PROJECTIONS)
/1 INCLUDES 0 OUT OF STATE RESIDENTS
/2 INCLUDES 0 OUT OF STATE RESIDENTS
/3 INCLUDES 0 OUT OF STATE RESIDENTS

NORTH CAROLINA DEVELOPMENTAL CENTERS
LME AND RESPONSIBLE COUNTY
PERSONS SERVED DURING FY2010-2011

TABLE 2B

STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2012 /1	ADMIS- SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP.	STATE AND COUNTIES NORTH CAROLINA	RES. POP. AND ON LEAVES 7/1/2012 /1	ADMIS- SIONS /2	PERSONS SERVED /3	RATE** PERSONS SERVED PER 100,000 POP.
STATE TOTAL/1	1,192	139	1,331	14					
Smoky Mountain	62	9	71	13					
Alexander	5	1	6	16					
Alleghany	2	0	2	18					
Ashe	2	0	2	7					
Avery	1	0	1	6					
Caldwell	14	1	15	18					
Cherokee	3	0	3	11					
Clay	0	0	0	0					
Graham	1	0	1	11					
Haywood	4	4	8	13					
Jackson	3	1	4	10					
Macon	3	0	3	9					
McDowell	6	0	6	13					
Swain	1	0	1	7					
Watauga	3	1	4	8					
Wilkes	14	1	15	22					
Western Highland	58	11	69	13					
Buncombe	25	5	30	12					
Henderson	10	4	14	13					
Madison	2	0	2	9					
Mitchell	0	0	0	0					
Polk	3	1	4	20					
Rutherford	12	0	12	18					
Transylvania	4	1	5	15					
Yancey	2	0	2	11					

**PERSONS SERVED RATE PER 100,000 NC POPULATION
(2013 POPULATION PROJECTIONS)
/1 INCLUDES 0 OUT OF STATE RESIDENTS
/2 INCLUDES 0 OUT OF STATE RESIDENTS
/3 INCLUDES 0 OUT OF STATE RESIDENTS

NORTH CAROLINA STATE DEVELOPMENTAL CENTERS

6-30-2013 RESIDENT POPULATION AND ON LEAVES**

TABLE 3

	TOTAL PERCENT	TOTAL NUMBER	RIDDLE CENTER	MURDOCH	CASWELL
TOTAL BOOK POPULATION	100.0%	1,144	318	471	355
<u>AGE GROUP</u>					
00-14	1.3%	15	0	15	0
15-17	1.0%	11	0	11	0
18-24	2.6%	30	14	9	7
25-34	6.5%	74	20	31	23
35-44	12.2%	140	60	55	25
45-54	26.6%	304	97	120	87
55-64	31.2%	357	99	139	119
65+	18.6%	213	28	91	94
<u>GENDER</u>					
Male	60.5%	692	192	283	217
Female	39.5%	452	126	188	138
<u>RACE</u>					
White	69.1%	790	267	319	204
Black	30.2%	346	50	147	149
Native American	0.1%	1	0	0	1
Asian/Pac. Islander	0.0%	0	0	0	0
Other	0.6%	7	1	5	1
<u>ADMISSIONS TYPES*</u>					
Regular	96.9%	1,108	310	457	341
Respite	2.1%	24	3	14	7
NCI	0.0%	0	0	0	0
MRC Residentail	1.0%	12	5	0	7
<u>ETHNIC ORIGIN</u>					
Hispanic Mexican/American	0.2%	2	1	1	0
Hispanic Puerto Rican	0.0%	0	0	0	0
Hispanic Cuban	0.0%	0	0	0	0
Hispanic Other	0.0%	0	0	0	0
Not Hispanic Origin	99.8%	1,142	317	470	355
Unknown	0.0%	0	0	0	0
<u>AVERAGE DAILY RESIDENT POP.</u>		1,137	305	479	353

The total facility resident and on leave population is (1,144). Table 3 presents breakdowns of the population by facility, age group, race/sex, and type admissions. Of the population 31.2 percent is age 55-64 and 60.5 percent are males. Thirty percent (30.3%) is non-white.

TOTAL ADMISSIONS

There were **139** admissions, including respites, to the Developmental Centers during fiscal year 2013. This data includes duplicate admissions following community hospitalizations.

The largest group of referrals, 76.3 percent (106) were made by outpatient residential non-state. (Outpatient residential non-state refers to private licensed community residential settings.) Regular admissions accounted for over (81.3 %) of the total admissions of FY13.

Males constituted **74.1** percent of the admissions. Of the total admissions, **36.7** percent were non-white. Most clients who were admitted were in the special education category. *In terms of age groups, the largest single group was 00-14 years.

*This is a reflection of individuals served in the Murdoch Center specialty programs including 1) STARS (Specialized Treatment for Adolescents in a Residential Setting) serving adolescents, ages 13 through 17, who have a dual diagnosis (developmental disability and mental illness), 2) PATH (Partners in Autism Treatment and Habilitation) serving children, ages 6 to 16, with autism spectrum disorder and serious behavioral challenges, and 3) TRACK (Therapeutic Respite Addressing Crisis for Kids) serving children ages 5 through 17 who have moderate to profound intellectual disabilities and/or autism spectrum disorders and are in an emergency crisis situation.

NORTH CAROLINA STATE DEVELOPMENTAL CENTERS

FIRST AND READMISSIONS* - FY 2012-13

TABLE 4

	TOTAL PERCENT	TOTAL NUMBER	RIDDLE CENTER	MURDOCH	CASWELL
TOTAL ADMISSIONS	100.0%	139	22	77	40
<u>ADMISSIONS</u>					
Regular	81.3%	113	20	67	26
Respite	18.7%	26	2	10	14
NCI	0.0%	0	0	0	0
<u>ADMISSION SOURCE</u>					
Accredited and Non-accredited units	0.0%	0	0	0	0
Other	1.4%	2	2	0	0
Private Physician/Psychol.	0.0%	0	0	0	0
Law Enforcement	0.0%	0	0	0	0
Gen. Hosp. (Psych/Non Psych)	18.0%	25	9	0	16
Other Ind. Family, Friends	0.0%	0	0	0	0
Other Health Care	0.0%	0	0	0	0
Emergency Room	0.0%	0	0	0	0
Outpatient & Residential Non-State	76.3%	106	6	77	23
State Facility	4.3%	6	5	0	1
<u>RACE</u>					
White	57.6%	80	16	41	23
Black	32.4%	45	6	27	12
Native American	0.0%	0	0	0	0
Asian/Pac. Islander	4.3%	6	0	1	5
All Others	5.8%	8	0	8	0
<u>GENDER</u>					
Male	74.1%	103	16	60	27
Female	25.9%	36	6	17	13
<u>RESIDENTIAL ARRANGEMENT</u>					
Private Residence	41.7%	58	2	44	12
Other Independent	0.7%	1	0	0	1
Homeless	0.0%	0	0	0	0
Correctional Fac.	0.7%	1	0	1	0
Institution	35.3%	49	14	11	24
Residential Fac.	1.4%	2	0	2	0
Other Dependent	20.1%	28	6	19	3
<u>ETHNIC ORIGIN</u>					
Hispanic Mexican/American	1.4%	2	0	2	0
Hispanic Puerto Rican	0.0%	0	0	0	0
Hispanic Cuban	0.0%	0	0	0	0
Hispanic Other	0.0%	0	0	0	0
Not Hispanic Origin	98.6%	137	22	75	40
Unknown	0.0%	0	0	0	0

NORTH CAROLINA STATE DEVELOPMENTAL CENTERS

FIRST AND READMISSIONS* - FY2012-2013

TABLE 4 (CONT'D)

	TOTAL PERCENT	TOTAL NUMBER	RIDDLE CENTER	MURDOCH	CASWELL
TOTAL ADMISSIONS	100.0%	139	22	77	40
<u>AGE GROUPS</u>					
00-14 Years	24.5%	34	0	34	0
15-17 Years	18.7%	26	0	26	0
18-24 Years	10.1%	14	2	0	12
25-34 Years	13.7%	19	6	5	8
35-44 Years	7.9%	11	3	4	4
45-54 Years	5.8%	8	1	6	1
55-64 Years	12.2%	17	8	2	7
65+	7.2%	10	2	0	8
<u>MARITAL STATUS</u>					
Single	100.0%	139	22	77	40
Married	0.0%	0	0	0	0
Separated	0.0%	0	0	0	0
Divorced	0.0%	0	0	0	0
Widowed	0.0%	0	0	0	0
Unreported	0.0%	0	0	0	0
<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	2.9%	4	0	4	0
THIRD GRADE	1.4%	2	0	2	0
FOURTH GRADE	2.2%	3	0	3	0
FIFTH GRADE	0.7%	1	0	1	0
SIXTH GRADE	4.3%	6	0	5	1
SEVENTH GRADE	2.2%	3	0	3	0
EIGHTH GRADE	3.6%	5	0	3	2
NINTH GRADE	5.0%	7	0	6	1
TENTH GRADE	9.4%	13	0	12	1
ELEVENTH GRADE	2.9%	4	0	4	0
TWELTH GRADE	0.0%	0	0	0	0
GED	0.0%	0	0	0	0
SOME COLLEGE	0.0%	0	0	0	0
TECH. TRADE SCHOOL	0.0%	0	0	0	0
ASSOC. DEGREE	0.0%	0	0	0	0
POST BATCH. DEGREE	0.0%	0	0	0	0
BACCAL. DEGREE	0.0%	0	0	0	0
POST GRAD. DEGREE	0.0%	0	0	0	0
SPECIAL EDUCATION	18.7%	26	0	21	5
NONE	4.3%	6	0	6	0
UNKNOWN	42.4%	59	22	7	30

NORTH CAROLINA STATE DEVELOPMENTAL CENTERS
***DISCHARGES-FY2012-13**
TABLE 7

	TOTAL PERCENT	TOTAL NUMBER	RIDDLE CENTER	MURDOCH	CASWELL
TOTAL DISCHARGES	100.0%	187	31	92	64
<u>TYPE DISCHARGE</u>					
DIRECT DISCHARGE	73.3%	137	21	70	46
INDIRECT DISCHARGE	3.2%	6	0	6	0
RESPIRE	0.0%	0	0	0	0
DEATHS	23.0%	43	10	15	18
OTHERS	0.5%	1	0	1	0
<u>REFERRAL FOR SERVICES</u>					
AREA PROGRAM	46.0%	86	1	64	21
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 SERVICE GENERALHOSPITAL	0.5%	1	1	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	0.0%	0	0	0	0
PRIVATE PHYSICIAN	0.0%	0	0	0	0
OTHER AND RESIDENTIAL NON STATE FACILITY	0.0%	0	0	0	0
WHITAKER	0.0%	0	0	0	0
ALL OTHERS	0.0%	0	0	0	0
UNKNOWN	53.5%	100	29	28	43

DISCHARGES

Table 7 presents discharge information for the three developmental centers. The majority of discharges were direct discharges (**73.3 %**). Deaths accounted for (**23.0%**) of discharges while (**3.2%**) were indirect discharges.

Referral for services at discharge were area programs (**46.0 %**) .

NORTH CAROLINA STATE DEVELOPMENTAL CENTERS FY2010-2011
BOOK POPULATION 06-30-2013

TABLE 9

LENGTH OF STAY	PERCENT	TOTAL	RIDDLE CENTER	MURDOCH	CASWELL
Less than 5 Years	14.6%	167	40	73	54
5 to 10 Years	6.6%	75	34	17	24
11 to 20 Years	9.3%	106	38	45	23
21 to 30 Years	11.5%	132	48	54	30
Over 30 Years	58.0%	664	158	282	224
STATE TOTAL	100.0%	1,144	318	471	355

NORTH CAROLINA STATE DEVELOPMENTAL CENTERS
TOTAL DISCHARGES - FY12-13*
TABLE 10

	TOTAL PERCENT	TOTAL NUMBER	RIDDLE CENTER	MURDOCH	CASWELL
TOTAL DISCHARGES	100.0%	187	31	92	64
<u>AGE GROUPS</u>					
00-14	17.1%	32	0	32	0
15-17	13.4%	25	0	25	0
18-24	9.6%	18	2	3	13
25-34	9.6%	18	5	5	8
35-44	6.4%	12	4	6	2
45-54	11.2%	21	3	8	10
55-64	17.1%	32	12	7	13
65+	15.5%	29	5	6	18
<u>RACE</u>					
White	64.2%	120	24	55	41
Black	28.3%	53	6	29	18
Native American	0.0%	0	0	0	0
Asisan/Pac. Islander	3.2%	6	0	1	5
Other	4.3%	8	1	7	0
<u>ADMISSIONS</u>					
Regular	85.6%	160	29	80	51
Respite	13.9%	26	2	12	12
Developmental Center Residential	0.5%	1	0	0	1
<u>GENDER</u>					
Male	70.1%	131	24	70	37
Female	29.9%	56	7	22	27