

## Chapter 7: Other Acute Care Services

### Draft tables prepared for the Proposed 2009 North Carolina State Medical Facilities Plan

Following are preliminary drafts of tables 7A, 7B, 7E, 7G, and 7I. These tables reflect data reported on the 2008 Hospital License Renewal Applications.

The data in these tables indicate no additional need for the following services for review during calendar year 2009:

- Open-Heart Surgery Services
  - Heart-Lung Bypass Machines
  - Burn Intensive Care Services
  - Bone Marrow Transplant Services
  - Solid Organ Transplant Services
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# Table 7A: Open-Heart Surgery Procedures

(Procedures Utilizing Heart-Lung Bypass Machines)

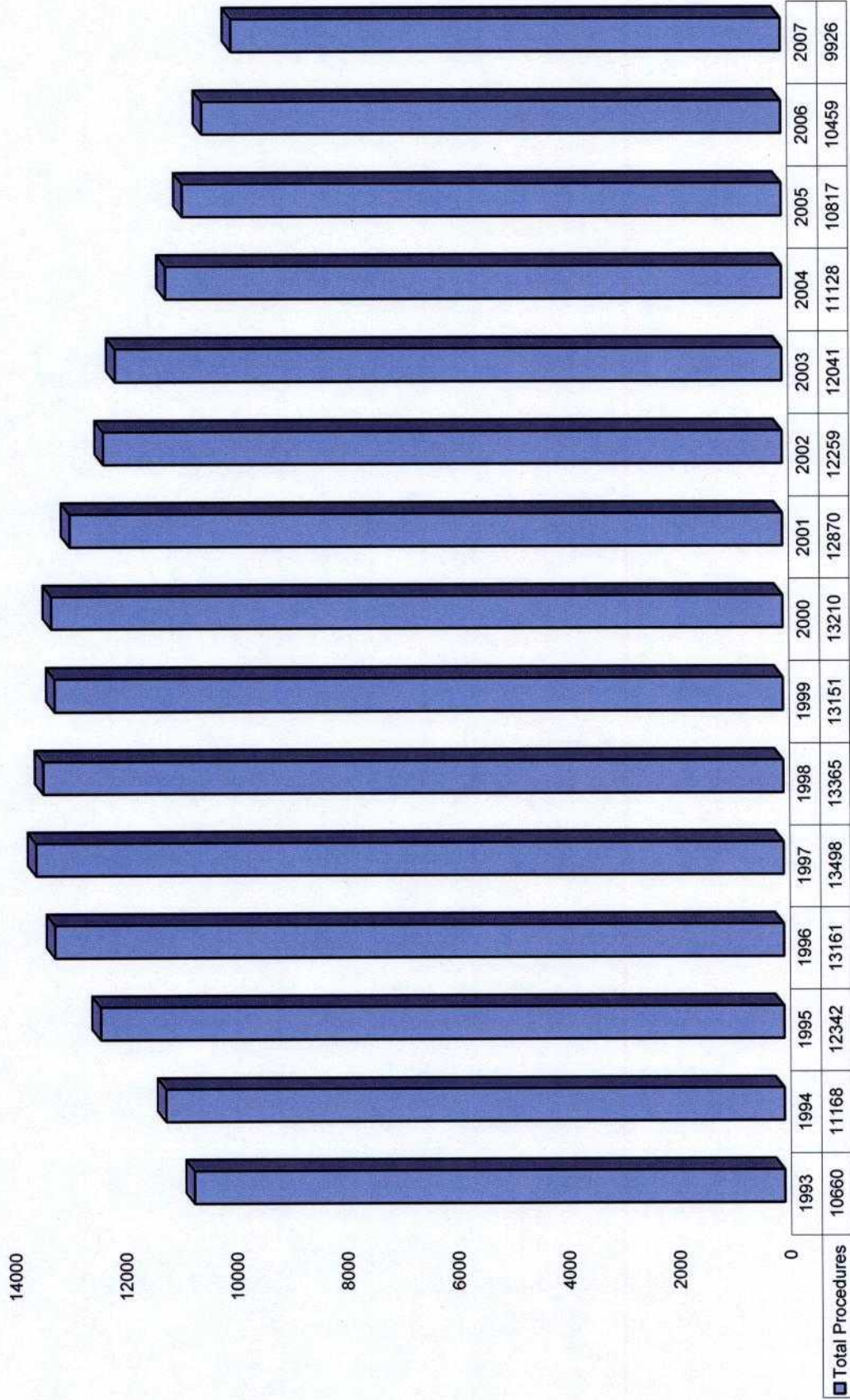
Adults

Facility	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Cape Fear Valley Medical Center	112	225	243	283	317	326	327	387	388	356	448	458	432	352	301
Carolinas Medical Center Mercy/Pineville	315	357	396	388	425	283	290	272	246	231	199	134	150	104	92
Carolinas Medical Center/ Center for Mental Health	1151	1068	1118	1281	1242	1280	1143	997	941	875	719	710	631	615	780
CMC-NorthEast, Inc	78	178	292	318	271	193	248	297	340	307	361	375	286	296	257
Craven Regional Medical Center		102	140	126	139	244	184	193	215	240	222	238	255	255	219
Duke University Hospital	1391	1318	1367	1477	1490	1578	1494	1555	1565	1428	1229	995	914	947	981
Durham Regional Hospital	157	179	179	170	170	175	198	204	173	178	170	168	166	142	119
FirstHealth Moore Regional Hospital and Pinehurst Treatment Center	240	233	282	269	291	294	366	340	393	355	429	316	387	319	369
Forsyth Memorial Hospital, Inc.	621	661	722	769	836	763	703	792	675	688	717	609	747	598	651
Frye Regional Medical Center, Inc.	334	470	621	614	598	557	359	408	315	271	281	388	374	344	224
Gaston Memorial Hospital						30	217	316	313	309	309	248	202	246	183
High Point Regional Health System	306	375	342	309	301	295	315	302	339	273	293	295	313	281	194
Memorial Mission Hospital and Asheville Surgery Center	804	822	983	1077	1200	1185	1186	1161	1193	1053	1064	1084	1025	1105	1067
Moses Cone Health System	663	690	852	1016	1030	1029	1005	935	894	889	829	883	849	860	578
New Hanover Regional Medical Center	492	501	587	643	694	646	709	684	689	709	794	691	476	497	529
North Carolina Baptist Hospital	832	682	637	767	726	674	677	660	564	666	625	563	521	534	579
Pitt County Memorial Hospital	976	969	1012	1069	1091	1098	1102	1208	1147	1111	1096	933	938	1042	841
Presbyterian Hospital	677	783	865	845	848	753	760	633	609	564	551	412	401	306	301
Rex Hospital	374	399	454	431	479	550	516	526	448	416	419	369	357	359	334
Southeastern Regional Medical Center														15	58
University of North Carolina Hospitals	243	264	276	284	291	289	304	297	282	268	246	283	361	311	375
WakeMed	894	892	974	1025	1059	1123	1048	1043	1141	1072	1040	976	1032	931	894
<b>Total Procedures</b>	<b>10660</b>	<b>11168</b>	<b>12342</b>	<b>13161</b>	<b>13498</b>	<b>13365</b>	<b>13151</b>	<b>13210</b>	<b>12870</b>	<b>12259</b>	<b>12041</b>	<b>11128</b>	<b>10817</b>	<b>10459</b>	<b>9926</b>

# Total Open Heart Surgery Procedures: 1993-2007

(Procedures Utilizing Heart-Lung Bypass Machines)

Adults



**Table 7B: Heart-Lung Bypass Machine Capacity and Volume**

License #	Hospital	Current Inventory	CON Issued / Pending Development	Total Planning Inventory	Backup Machines	2007 Procedures (Weighted)	Hospital Procedure Capacity (Number of Machines X 400)	Percent Utilization of Capacity	Equipment Deficit	Pending Review or Appeal	Need
H0213	Cape Fear Valley Medical Center	2	0	2	1	301	800	37.6%	0	0	0
H0042	Carolinas Medical Center Mercy/Pineville	3	0	3	0	92	1200	7.7%	0	0	0
H0071	Carolinas Medical Center/Center for Mental Health	6	0	6	0	920	2400	38.3%	0	0	0
H0031	CMC-NorthEast, Inc.	2	0	2	1	257	800	32.1%	0	0	0
H0201	Craven Regional Medical Center	2	0	2	0	219	800	27.4%	0	0	0
H0015	Duke University Hospital	7	0	7	0	1110	2800	39.6%	0	0	0
H0233	Durham Regional Hospital	2	0	2	0	119	800	14.9%	0	0	0
H0100	FirstHealth Moore Regional	2	1	3	1	369	1200	30.8%	0	0	0
H0209	Forsyth Memorial Hospital	2	0	2	0	369	800	46.1%	0	0	0
H0053	Frye Regional Medical Center	3	0	3	1	651	1200	54.3%	0	0	0
H0105	Gaston Memorial	2	0	2	1	224	800	28.0%	0	0	0
H0052	High Point Regional Hospital	2	0	2	0	183	800	22.9%	0	0	0
H0036	Memorial Mission Hospital	2	0	2	0	194	800	24.3%	0	0	0
H0159	Moses Cone Hospital	6	0	6	0	1067	2400	44.5%	0	0	0
H0221	New Hanover Regional Medical Center	4	0	4	0	578	1600	36.1%	0	0	0
H0011	North Carolina Baptist Hospital	3	0	3	0	529	1200	44.1%	0	0	0
H0104	Pitt County Memorial Hospital	4	0	4	0	647	1600	40.4%	0	0	0
H0010	Presbyterian Hospital	5	0	5	0	877	2000	43.9%	0	0	0
H0065	Rex Hospital	3	0	3	0	301	1200	25.1%	0	0	0
H0064	Southeastern Regional	3	0	3	1	334	1200	27.8%	0	0	0
H0157	University of North Carolina Hospitals	1	0	1	0	58	400	14.5%	0	0	0
H0199	WakeMed	4	0	4	0	485	1600	30.3%	0	0	0
<b>T O T A L</b>		<b>70</b>	<b>1</b>	<b>71</b>	<b>6</b>	<b>9884</b>	<b>28400</b>	<b>34.8%</b>	<b>0</b>	<b>0</b>	<b>0</b>

Note: Total procedures include adult procedures plus pediatric procedures multiplied by 2 for: Carolinas Medical Center/Center for Mental Health, Duke, North Carolina Baptist, Pitt County, and University of North Carolina Hospitals.

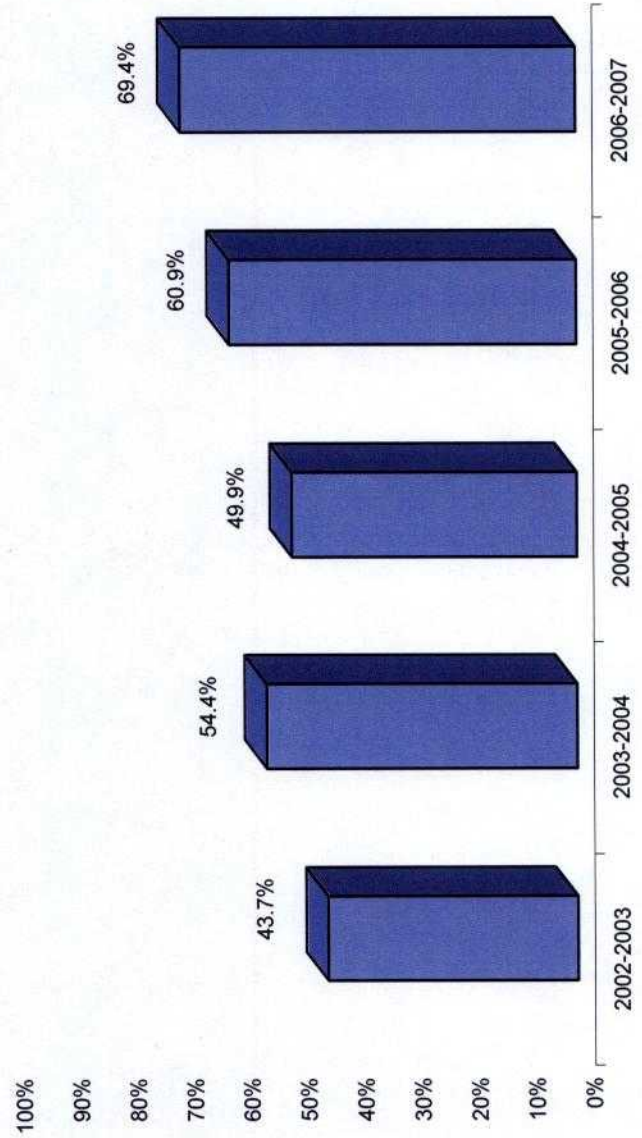
**Table 7E: Burn Intensive Care Services**

Days of care utilized by severely burned patients (DRGs 504-511) in the designated burn intensive care units.

Facility	Beds	2002-2003		2003-2004		2004-2005		2005-2006		2006-2007	
		Total Days	Percent Utilization	Total Days	Percent Utilization	Total Days	Percent Utilization	Total Days	Percent Utilization	Total Days	Percent Utilization
University of North Carolina Hospitals	21	2543	33.2%	3594	46.8%	3030	39.5%	4089	53.3%	5074	66.2%
North Carolina Baptist Hospital	8	2086	71.4%	2185	74.6%	2255	77.2%	2358	80.8%	2268	77.7%
<b>TOTAL</b>	<b>29</b>	<b>4629</b>	<b>43.7%</b>	<b>5779</b>	<b>54.4%</b>	<b>5285</b>	<b>49.9%</b>	<b>6447</b>	<b>60.9%</b>	<b>7342</b>	<b>69.4%</b>

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**Percent Utilization Burn Intensive Care Services: 2003-2007**



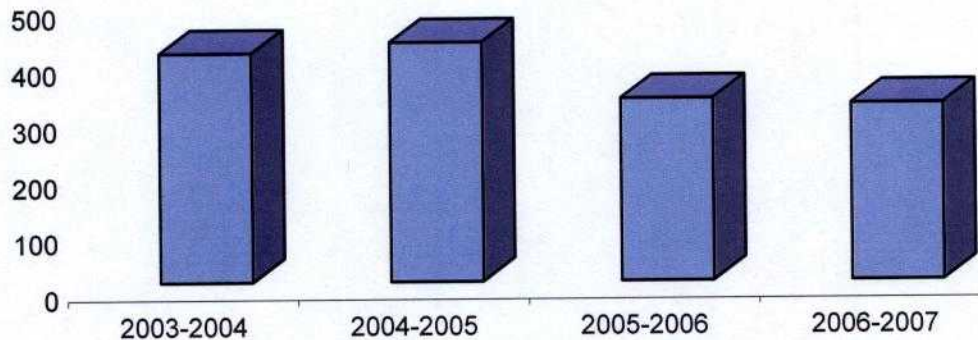
**Table 7G: Bone Marrow Transplants**

<b>Allogeneic Bone Marrow Transplants</b>				
	<b>2003-2004</b>	<b>2004-2005</b>	<b>2005-2006</b>	<b>2006-2007</b>
Carolinas Medical Center/Center for Mental Health	0	0	0	0
Duke University Hospital	143	129	167	115
North Carolina Baptist Hospital	11	24	12	11
Pitt County Memorial Hospital	0	1	0	0
University of North Carolina Hospitals	43	34	36	37
<b>TOTAL</b>	<b>197</b>	<b>188</b>	<b>179</b>	<b>126</b>

<b>Autologous Bone Marrow Transplants</b>				
	<b>2003-2004</b>	<b>2004-2005</b>	<b>2005-2006</b>	<b>2006-2007</b>
Carolinas Medical Center/Center for Mental Health	14	8	11	5
Duke University Hospital	111	116	98	149
North Carolina Baptist Hospital	58	52	37	35
Pitt County Memorial Hospital	2	6	0	0
University of North Carolina Hospitals	26	56	59	69
<b>TOTAL</b>	<b>211</b>	<b>238</b>	<b>146</b>	<b>189</b>

<b>Total Bone Marrow Transplants</b>				
	<b>2003-2004</b>	<b>2004-2005</b>	<b>2005-2006</b>	<b>2006-2007</b>
Carolinas Medical Center/Center for Mental Health	14	8	11	5
Duke University Hospital	254	245	265	264
North Carolina Baptist Hospital	69	76	49	46
Pitt County Memorial Hospital	2	7	0	0
University of North Carolina Hospitals	69	90	95	106
<b>TOTAL</b>	<b>408</b>	<b>426</b>	<b>325</b>	<b>315</b>

**Total Bone Marrow Transplants: 2004 - 2007**



**Table 71: Solid Organ Transplantation Services**

	Carolinas Medical Center/ Center for Mental Health	Duke University Hospital	North Carolina Baptist Hospital	Pitt County Memorial Hospital	University of North Carolina Hospitals	Total
Heart	22	44	4	0	7	77
Heart Lung	0	1	0	0	0	1
Kidney Liver	1	0	0	0	3	4
Liver	36	38	0	0	51	125
Heart Liver	0	0	0	0	0	0
Heart Kidney	1	0	0	0	1	2
Kidney	142	109	114	35	53	453
Lung	0	55	0	0	14	69
Pancreas	0	1	1	0	0	2
Pancreas Kidney	9	15	23	0	4	51
Pancreas Liver	0	0	0	0	0	0
<b>Total</b>	<b>211</b>	<b>263</b>	<b>142</b>	<b>35</b>	<b>133</b>	<b>784</b>

**Solid Organ Transplants by Facility  
Year 2006-2007**

