

**Technology and Equipment
Committee Meeting**

**Lithotripsy
Material**

May 14, 2008

**Need Determination
Related to Lithotripsy
Using the Present Methodology**

The annual treatment capacity of a lithotripter is estimated at between 1,000 and 1,500 procedures. The maximum number of lithotripters needed in the state would be 12 based on the 11,785 procedures reported in 2007 as reflected in Table 9C and with capacity defined as 1,000 procedures per lithotripter.

There are 14 lithotripters in the state including the new CON-approved lithotripter that was not operational in the reporting period. As a result, it is determined that there is no need for additional lithotripters anywhere else in the state.

Table 9A: Mobile Lithotripsy Providers and Locations Served

(From 2007 data as reported on the 2008 Lithotripsy Registration and Inventory Form of Mobile Equipment)

Proposed 2009 SMFP

	<i>Area Generally Served: Eastern NC</i>		
	<i>Facility</i>	<i>Location</i>	<i>Procedures</i>
<i>provider:</i> Carolina Lithotripsy, LTD. <i>address:</i> 2014 Litho Place <i>city/zip:</i> Fayetteville, NC 28304 <i>machines:</i> 2 <i>purchased or replaced:</i> 10/2000, 11/2001	Duke Health Raleigh Hospital	Raleigh, NC	9
	Southeastern Regional	Lumberton, NC	75
	Beaufort County Hospital	Washington, NC	59
	Pitt Co. Memorial Hospital	Greenville, NC	100
	Craven Regional Medical	New Bern, NC	75
	Wayne Memorial Hospital	Goldsboro, NC	48
	Heritage Hospital	Tarboro, NC	0
	Lenoir Memorial Hospital	Kinston, NC	48
	Sampson Regional Medical	Clinton, NC	0
	New Hanover Regional	Wilmington, NC	241
	Johnston Memorial Hospital	Smithfield, NC	108
	Halifax Memorial Hospital	Roanoke Rapids, NC	45
	Columbus County Hospital	Whiteville, NC	119
	Richmond Memorial Hospital	Rockingham, NC	42
	Cape Fear Valley Medical Cen.	Fayetteville, NC	0
	Carteret General Hospital	Morehead City, NC	29
	Wilson Medical Center	Wilson, NC	61
	Onslow Memorial	Jacksonville, NC	41
	Carteret Surgery Center	Morehead City, NC	22
	Highsmith Rainey	Fayetteville, NC	191
	First Health of the Carolinas	Pinehurst, NC	181
	Rex Healthcare	Raleigh, NC	106
	Wake Medical Center	Raleigh, NC	63
	Dosher Memorial Hospital	Southpoint, NC	62
	Total Number of Procedures		1725
	Average Number of Procedures per Lithotripter		863
	<i>Area Generally Served: Western and Central NC</i>		
	<i>Facility</i>	<i>Location</i>	<i>Procedures</i>
<i>provider:</i> Carolina's Mobile Lithotripsy Service <i>address:</i> 810 Fairgrove Church Road <i>city/zip:</i> Hickory, NC 28602 <i>machines:</i> 2 <i>purchased or replaced:</i> 3/2002, 3/2002	Catawba Valley Medical Center	Hickory, NC	142
	Frye Regional Medical Cen.	Hickory, NC	111
	Grace Hospital	Morganton, NC	43
	Haywood Regional Hospital	Clyde, NC	135
	Rutherford Hospital	Rutherfordton, NC	78
	Scotland Memorial Hospital	Laurinburg, NC	135
	Harris Regional Hospital	Sylva, NC	119
	Angel Medical	Franklin, NC	3
	Valdese Hospital	Valdese, NC	47
	Murphy Medical Center	Murphy, NC	78
	Total Number of Procedures		891
	Average Number of Procedures per Lithotripter		446

Table 9A: Mobile Lithotripsy Providers and Locations Served

(From 2007 data as reported on the 2008 Lithotripsy Registration and Inventory Form of Mobile Equipment)

Proposed 2009 SMFP

Areas Generally Served: Western & Central NC and Virginia

		<i>Facility</i>	<i>Location</i>	<i>Procedures</i>
provider: Piedmont Stone Center address: 1907 S. Hawthorne Road city/zip: Winston Salem, NC 27103 machines: 4 purchased or replaced: 3/2002, 4/2003, 4/2003; 9/89, 4/90, 2/95 initial		Randolph Hospital	Asheboro, NC	123
		Watauga Hospital	Boone, NC	143
		Alamance Regional Med. Cen.	Burlington, NC	220
		Davis Regional	Statesville, NC	32
		Morehead Memorial Hospital	Eden, NC	247
		Maria Parham Hospital	Henderson, NC	93
		Iredell Memorial Hospital	Statesville, NC	91
		Caldwell Memorial	Lenoir, NC	50
		Wilkes Regional Medical Cen.	N. Wilkesboro, NC	100
		Annie Penn Memorial Hos.	Reidsville, NC	31
		Piedmont Stone Center	Winston Salem, NC	750
		Forsyth Memorial	Winston Salem, NC	106
		NC Baptist Hospital	Winston Salem, NC	10
		High Point Regional	High Point, NC	533
		Northern Hosp. of Surry Co.	Elkin, NC	61
		Wesley Long Hospital	Greensboro, NC	412
		Rowan Regional	Salisbury, NC	191
		Lexington Memorial Hospital	Lexington, NC	55
	Lynchburg General	Lynchburg, VA	180	
	Martha Jefferson Hospital	Charlottesville, VA	139	
	New River Valley	Blacksburg, VA	80	
	Twin County Regional	Galax, VA	50	
	Wythe County Community	Wytheville, VA	33	
	Piedmont Day Surgery	Danville, VA	87	
	Total Number of Procedures		3817	
	Average Number of Procedures per Lithotripter		954	

Table 9A: Mobile Lithotripsy Providers and Locations Served
 (From 2007 data as reported on the 2008 Lithotripsy Registration and Inventory Form of Mobile Equipment)
 Proposed 2009 SMFP

<i>Area Served: Western and Central NC</i>			
	<i>Facility</i>	<i>Location</i>	<i>Procedures</i>
<i>provider:</i> The Stone Institute, L.L.C. <i>address:</i> P.O. Box 4509 <i>city/zip:</i> Davidson, NC 28036 <i>machines:</i> 1 operational Received CON for 1 effective 10-12-2007 <i>purchased or replaced:</i> 04/2004, 1991	Carolinas Medical Center	Charlotte, NC	392
	Cleveland Regional Med. Cen.	Shelby, NC	115
	Gaston Memorial Hospital	Gastonia, NC	228
	Lake Norman Reg. Med. Cen.	Mooresville, NC	86
	CMC-Northeast Medical Center	Concord, NC	284
	Lincoln Medical Center	Lincolnton, NC	70
	Kings Mountain	Kings Mountain, NC	0
	Presbyterian Orthopaedic Hos.	Charlotte, NC	351
	CMC-University	Charlotte, NC	67
	Stanly Memorial Hospital	Albemarle, NC	60
	Union Regional Medical Cen.	Monroe, NC	79
	Springs Memorial Hospital	Lancaster, SC	70
	Piedmont Medical Center	Rock Hill, SC	282
	Total Number of Procedures		2084
	Average Number of Procedures per Lithotripter		2084
<i>Area Served: East Central NC</i>			
	<i>Facility</i>	<i>Location</i>	<i>Procedures</i>
<i>provider:</i> Triangle Lithotripsy Corp. <i>address:</i> 7003 Chadwick Dr. Suite 321 <i>city/zip:</i> Brentwood, TN 37027 <i>machines:</i> 1 <i>purchased or replaced:</i> 10/2002, 6/90	Rex Hospital	Raleigh, NC	399
	Central Carolina Medical Cen.	Sanford, NC	105
	Nash Day Hospital	Rocky Mount, NC	138
	WakeMed / W. Wake Hosp	Raleigh, NC	255
	Durham Regional/Amb. Surg.	Durham, NC	258
	Wayne Memorial	Goldsboro, NC	80
	Total Number of Procedures		1235
	Average Number of Procedures per Lithotripter		1235

Table 9B: Fixed Lithotripsy Providers and Locations Served
(From 2007 data as reported on the 2008 Hospital License Renewal Application)

Proposed 2009 SMFP

<i>provider:</i> WNC Lithotripsy, LLC		<i>Area Served:</i> Western NC	
<i>address:</i> 100 Victoria Road		<i>Facility</i>	<i>Location</i>
<i>city/zip:</i> Asheville, NC 28802		St. Joseph's Campus-Mission	Asheville, NC
<i>machines:</i> 1		Total Number of Procedures	358
<i>purchased or replaced:</i> 08/16/00		Average Number of Procedures per Lithotripter	358

**Table 9C: Mobile and Fixed Lithotripsy
(Total Procedures/Units Reported)
Proposed 2009 SMFP**

Total Procedures Reported	Units Reported	Average Procedures per Unit
11,579	14	827

**Table 9D: Lithotripter Need Determination
(Scheduled for Certificate of Need Review during 2009)**

Lithotripters	Lithotripter Need Determination	CON Application Due Date	CON Beginning Review Date
It is determined that there is no need for additional lithotripters anywhere else in the state.			

Need determinations as shown in this document may be increased or decreased during the year pursuant to Policy GEN-2 (See Chapter 4).