

**Proposed Multi-County Service Area Language for Chapter Six  
2014 Proposed State Medical Facilities Plan  
Draft 4/30/13  
(Proposed Language Highlighted)**

**Step 3 – Project Future Operating Room Requirements Based on Growth of Operating Room Hours (Columns I through L)**

- d. For purposes of these need projections, the number of surgical hours is anticipated to increase or decrease in direct proportion to the change in the general population of the operating room service area. A “Growth Factor” based on each service area’s projected population change between the “data year” (2012) and the “target year” for need projections (2016) is calculated based on population figures from the North Carolina Office of State Budget and Management. (*Column I: Growth Factor = 2016 Service Area Population minus 2012 Service Area Population, then divided by the 2012 Service Area Population.*)

For the North Carolina 2014 Proposed State Medical Facilities Plan, when determining need for operating rooms, Hyde County’s population growth was assigned as follows:

- Beaufort County was assigned the proportion of Hyde County’s population growth equal to the proportion of Hyde County residents receiving surgical services in Beaufort County (39.77%);
- Pitt County was assigned the proportion of Hyde County’s population growth equal to the proportion of Hyde County residents receiving surgical services in Pitt County (37.64%).

Pitt County was also assigned the growth of Greene County equal to the proportion of the residents of Greene County receiving surgical services in Pitt County (100%).

Combined surgical patient origin data for years 2010 - 2012 from the 2011 - 2012 Hospital and Ambulatory Surgical Facility License Renewal Applications were used to determine the proportion of Hyde County residents receiving services in Beaufort and Pitt counties.

The table below shows how the Beaufort-Hyde and the Hyde-Greene-Pitt multicounty service areas’ growth rates were calculated for the North Carolina 2014 Proposed State Medical Facilities Plan.

(table below proposed to be added)

County	July 2012 Estimated Population	July 2016 Projected Population	Change	Change Rate
Hyde (100%)	5,742	5,837	95	1.65%
<b>Beaufort-Hyde Total</b>				
Beaufort	47,901	48,333	432	0.90%
Hyde (39.77%)	5,742 x 39.77% = 2,284	5,837 x 39.77% = 2,321	37	1.62%
<b>Beaufort-Hyde Total</b>	50,185	50,654	469	<b>0.93%</b>
Pitt	172,618	180,329	7,711	4.47%
Hyde (37.64%)	5,742 x 37.64% = 2,161	5,837 x 37.64% = 2,197	36	1.67%
Greene	21,363	21,235	-128	-0.60%
<b>Pitt-Greene-Hyde Total</b>	196,142	203,761	7,619	<b>3.88%</b>

- e. Multiply the “Total Estimated Hours” for the most recent fiscal year by the “Growth Factor” for each operating room service area, then add the product to the Total Estimated Hours to determine the “Projected Surgical Hours Anticipated in 2016.” ([Column H x Column I] + Column H = Column J)
- f. For purposes of the State Medical Facilities Plan, the average operating room is anticipated to be staffed nine hours a day, for 260 days per year, and utilized at least 80 percent of the available time. The standard number of hours per operating room per year based on these assumptions is 1,872 hours. (Column K: 9 hours x 260 days x 0.8 = 1,872 hours per operating room per year).
- g. Divide the “Projected Surgical Hours Anticipated in 2016” by the “Standard Hours per Operating Room per Year” to determine the projected number of operating rooms required by the year 2016. (Column J ÷ Column K = Column L)