

Operating Room Need Methodology Excerpt

Methodology Step 1 and Step 3(d) Changes Resulting from ACS Committee Recommendation for the Cape Fear Valley Health System Petition (Changes Shown in Bold)

Step 1 – Delineation of Service Areas (Column A)

Each county is a separate Operating Room Service Area except where there is no licensed facility with an operating room located within the county, in which case the county or counties without a licensed facility providing operating rooms are combined in a multi-county grouping with a county that has at least one licensed facility with an operating room. Multi-county groupings were determined based on surgical patient origin data from the Hospital and the Ambulatory Surgical Facility License Renewal Applications, supplemented by surgical patient origin data from Blue Cross and Blue Shield. Counties without a facility providing operating rooms were grouped with the contiguous county, whenever possible, which served the largest reported number of surgical patients. In 2006, in response to an adjusted need determination petition, the State Health Coordinating Council added Swain County to the Jackson-Graham Multi-County Operating Room Service Area. This created a Multi-County Operating Room Service Area including two counties with operating rooms and one county without operating rooms. *(Note: An operating room's service area is the operating room planning area in which the operating room is located. The operating room planning areas are the single and multi-county groupings shown in Figure 6.1. For the Proposed 2010 Plan, the State Health Coordinating Council has identified three additional operating room service areas specifically for the Single Specialty Ambulatory Surgery Demonstration Project, which is described in Table 6D.*

For the 2010 State Medical Facilities Plan, Hoke County will be assigned to Moore and Cumberland counties, creating a Cumberland Hoke Multi-county Operating Room Service Area and a Moore Hoke Multi-county Operating Room Service Area.

Step 3 – Project Future OR Requirements based on Growth of OR 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 OR Service Area. A “Growth Factor,” based on each service area’s projected population change between the “data year” (2008) and the “target year” for need projections (2012) is calculated based on population figures from the North Carolina Office of State Budget and Management. (*Column I: Growth Factor = 2012 Service Area Population minus 2008 Service Area Population, then divided by the 2008 Service Area Population.*)

For the 2010 SMFP, when determining need for operating rooms, Hoke County’s population growth will be assigned as follows:

- **Cumberland County will be assigned the proportion of Hoke County’s population growth equal to the proportion of Hoke County residents receiving surgical services in Cumberland County in 2008. In 2008 45.72 percent of Hoke county residents received surgical services in Cumberland County.**
- **Moore County will be assigned the proportion of Hoke County’s population growth equal to the proportion of Hoke County residents receiving surgical services in Moore County in 2008. In 2008 40.48 percent of Hoke County residents received surgical services in Moore County.**

Surgical patient origin data for 2008 from the 2009 License Renewal Applications was used to determine the proportion of Hoke County residents receiving services in Cumberland and Moore Counties.

The table below shows how the Cumberland Hoke and the Moore Hoke Multi-county Service Areas’ growth rates will be calculated for the 2010 SMFP.

County	July 2008 Projected Population	July 2012 Projected Population	Change	Change Rate
Cumberland	316,945	329,653	12,708	4.01%
Hoke	44,442	49,082	4,640	10.44%
Moore	85,293	91,667	6,374	7.47%
Cumberland	316,945	329,653	12,708	4.01%
Hoke	20,319 (20,319 =45.72% of 44,442)	22,440 (22,440=45.72% of 49,082)	2,121	10.44%
Cumberland Hoke Total	337,264	352,093	14,829	4.40%
Moore	85,293	91,667	6,374	7.47%
Hoke	17,990 (17,990=40.48% of 44,442)	19,868 (19,868=40.48% of 49,082)	1,878	10.44%
Moore Hoke Total	103,283	111,535	8,252	7.99%