

Technology and Equipment Committee  
Agency Report for  
Adjusted Need Determination Petition Regarding the  
Proposed 2011 State Medical Facilities Plan  
Central Carolina Hospital

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*Petitioner:*

Central Carolina Hospital  
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*Request:*

The petitioner requests an adjusted need determination for shared fixed cardiac catheterization equipment for Lee County for the 2011 State Medical Facilities Plan (SMFP).

*Background Information:*

The methodology for shared fixed cardiac catheterization equipment in the Proposed 2011 State Medical Facilities Plan (SMFP) is as follows:

*“For cardiac catheterization equipment service areas in which a unit of fixed cardiac catheterization equipment is not located, need exists for one shared cardiac catheterization equipment (i.e. fixed equipment that is used to perform both cardiac catheterization procedures and angiography procedures) when:*

- a. The number of cardiac catheterization procedures as defined in 10A NCAC 14C .1601 (5) performed at any mobile site in the cardiac catheterization service area exceeds 240 (300 procedures X 80 percent) procedures per year for eight hours per week the mobile equipment is operated at the site during the 12 month period reflected in the 2010 Hospital License Renewal Application or the 2010 Registration and Inventory of Cardiac Catheterization Equipment on file with the North Carolina Division of Health Service Regulation; and*
- b. No other fixed or mobile cardiac catheterization service is provided within the same cardiac catheterization equipment service area.”*

The petitioner indicates that Central Carolina Hospital (CCH) has provided diagnostic cardiac catheterization services through a contracted mobile unit since 1993. According to the petitioner, CCH maintains transfer agreements with FirstHealth Moore Regional, UNC Hospitals and Duke University Hospital for patients who require open heart surgery, and has four full time invasive cardiologists on its medical staff. Although the petitioner reports that CCH serves a four-county area for inpatient services, the SMFP cardiac catheterization equipment service area primarily affected by this petition is Lee County. The petitioner projects an increase in need for cardiac catheterization services that is not yet reflected in the standard methodology. Furthermore, CCH indicates that they have the cardiologists, physicians and staff to support a full time shared fix Cardiac Catheterization service.

*Analysis/Implications:*

Central Carolina Hospital is requesting an adjusted need determination for one unit of cardiac catheterization equipment. FirstHealth Moore Regional provides mobile cardiac catheterization service to CCH patients for two half-days (four hours each day) per week. According to the 2010 SMFP, the mobile cardiac catheterization service volume at CCH peaked at 207 procedures in 2005 and declined to 51 procedures in 2008. The proposed 2011 SMFP indicates that the CCH mobile cardiac catheterization volume reached 174 procedures in 2009. While the volume of procedures increased significantly between 2008 and 2009, the volume did not reach the standard methodology threshold of 240 for the time period of 10/1/2008 to 9/30/2009. Perhaps if the volumes projected by the petitioner do occur during the reporting period for the 2012 Proposed SMFP, the standard methodology may result in a need determination for shared fixed cardiac catheterization equipment in Lee County in 2012.

*Agency Recommendation:*

The volume of mobile cardiac catheterization procedures provided in Lee County, though increasing, does not meet the criterion established through the standard methodology. Since 2007, the volumes have fluctuated from a low of 33 to the 2009 number of 174 procedures. Given the variability in volumes and in support of the standard methodology, the Agency recommends denial of this petition.