

Inpatient Rehabilitation Bed Need Projection Methodology

Need for additional inpatient rehabilitation beds in any of the six Health Service Areas is determined when the total number of existing and CON approved inpatient rehabilitation beds in a Health Service Area report an overall average, annual occupancy rate of 80 percent or higher during the two fiscal years prior to developing the North Carolina State Medical Facilities Plan.

The determination of need (based on average annual occupancy rate) for additional inpatient rehabilitation beds or facilities in a Health Service Area for Plan Year 2011 is calculated by dividing the total number of rehabilitation bed days of care reported in FY 2007-2008 in all units in the HSA by the total number of licensed and CON approved rehabilitation beds in these units multiplied by 366 days and the total number of rehabilitation bed days of care reported in FY 2008-2009 in all units in the HSA by the total number of licensed and CON approved rehabilitation beds in these units multiplied by 365 days.

..... *The text shown below is new and describes a proposed method for determining the number of additional inpatient rehabilitation beds that are needed when it is determined that additional beds are needed.*

If need for additional inpatient rehabilitation beds in an HSA is determined, the number of beds needed is calculated as follows:

Step 1: Calculate the HSA's three year average annual growth rate for inpatient rehabilitation days of care using the four most recent years of HSA data.

Step 2: Calculate the projected days of care in the HSA by multiplying the HSA's most recent year's days of care by the three year average annual rate of change calculated in Step 1 then adding this to the HSA's most recent year's days of care.

Step 3: Determine, as shown below, how many additional beds are needed in the HSA such that the utilization rate for the sum of the HSA's total planning inventory (existing, CON issued and pending development/review/appeal beds), and the additional beds is 80 percent.

$$[\text{Projected Days}/365/.8]-[\text{Total Planning Inventory}]=\text{Additional Beds Needed}$$