

Project Services Utilization

Anderson Rehabilitation Hospital projects that the proposed 34 Comprehensive Physical Rehabilitation beds will serve 816 or more patients in the second year of operation, which will meet the State's standard of 85% utilization.

Documentation and analysis supporting this projection is presented in section 1110.205 of this permit application. The case for the full utilization of the 34 bed hospital is based on the following information, which is excerpted from the analysis:

1. Patients that have been cared for in Anderson Hospital's 20 bed inpatient rehabilitation unit will be the base on which the new hospital will build volume. Admissions have been relatively flat over the past 5 years, restricted by the limitations of the current facility – all rooms are semi-private, and space for supporting functions (Activities for Daily Living, PT/OT and resident dining) are undersized and in need of modernization. Admissions have fluctuated between 343 in 2017 and 395 in 2014. There were 386 admissions last year. Patient days have averaged 4360 for the past 5 years.

2. There is an unrealized need of 889 potential admissions for inpatient rehabilitation by residents of the area. These cases are not now being served. Area patients matching a Rehabilitation Impairment Code (RIC) and qualifying for post acute care hospital rehab care generate an expected 2,177 inpatient rehabilitation cases a year. Compdata analysis shows that only 1,288 of patients residing in the area were hospitalized for inpatient rehabilitation following their discharges from hospital medical and surgical units. The potential additional admissions for needed care is the difference, 889 patients.

3. In addition and importantly, over 70% of residents of the area who are hospitalized for inpatient rehabilitation go to hospitals in St Louis or other locations for that care. (This analysis used Compdata for the 12 month period October 2017 through September, 2018). That is over 900 patients per year from this area who leave Illinois for care that should be available locally. If ~~even just half~~ ^{two thirds} of those remained in Illinois, that would be an additional ~~450~~ ⁶⁰⁰ patients.

As a result of these three factors, the potential volume for the new facility is the sum of a) Anderson Hospital's current volume of approximately 400 admissions, b) ~~889~~ ⁸⁸⁹ patients from the area who should be hospitalized for inpatient rehabilitation but are not receiving this care, and c) ~~450~~ ⁶⁰⁰ patients who are hospitalized out of state who could and would likely prefer to receive that care closer to home. The total is ~~1,750~~ ^{1,889} patients. Anderson Rehabilitation Hospital is conservatively sized to accommodate 816 annual patients.

The following table shows the historic and projected utilization. Facility constraints result in continuation of 400 annual admissions levels for the next years prior to facility opening.

	Historic					Projected				
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Admissions	395	376	365	343	386	400	400	400	538	816
Pt Days	4,499	4,428	4,322	4,431	4,121	4,500	4,500	4,500	6,840	10,600
ALOS	11.4	11.8	11.8	12.9	10.7	11.25	11.25	11.25	12.7	13.0

Source: Anderson Hospital Annual Hospital Questionnaires, as reported in HFSRB Profiles

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As a result of these three factors, the potential volume for the new facility is the sum of a) Anderson Hospital's current volume of approximately 400 admissions, b) 889 patients from the area who should be hospitalized for inpatient rehabilitation but are not receiving this care, and c) 600 patients who are hospitalized out of state who could and would likely prefer to receive that care closer to home. The total is 1,889 patients. Anderson Rehabilitation Hospital is conservatively sized to accommodate 816 annual patients.

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There are no other providers of inpatient rehabilitation service in the 17 mile radius area. HSHS St Elizabeth Hospital is the closest hospital with inpatient rehabilitation; it is located outside of the area to the south, in St Clair County.

Since there is no hospital with Comprehensive Inpatient Rehabilitation service within the 17 mile area, the project will not reduce the utilization of another hospital in this area providing the same service.

The project does not create a maldistribution of service. Maldistribution for a clinical service exists when a ratio of beds to population exceed 1.5 times the Statewide average for that service.

- For rehabilitation beds, the Statewide ratio is 0.127 beds per 1000 population

$$1,672 \text{ rehabilitation beds} / 13,129,233 = 0.127 \text{ beds per 1000 population}$$

- For HSA 11, the ratio is 0.058, less than half the State average

$$36 \text{ rehabilitation beds} / 614,038 = 0.058 \text{ beds per 1000 population}$$

- The addition of 14 rehab beds would increase rehab beds to a total of 50 in HSA 11. The resulting bed to population ratio increases to 0.08 beds per 1000 population

- 0.08 is less than the State-wide ratio of 0.127, and significantly less than 1.5 times the State ratio. As a result, the project does not create a maldistribution of service.

As reported in the Project Services Utilization section, three factors support the projected patient volume of the Anderson Rehabilitation Hospital: a) Anderson Hospital's current volume of approximately 400 admissions, b) 889 patients from the area who should be hospitalized for inpatient rehabilitation but are not receiving this care, and c) 600 patients who are hospitalized out of state who could and would likely prefer to receive that care closer to home. The total is 1,889 patients. Anderson Rehabilitation Hospital is conservatively sized to accommodate 816 annual patients. Anderson Rehabilitation Hospital will not have an adverse impact on hospitals providing Comprehensive Physical Rehabilitation in HSA 11.

Three area hospitals have already provided letters of support, and are included following this page:

OSF St. Anthony's Health Center
Community Hospital of Staunton
Carlinville Area Hospital

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