

DoD Space Planning Criteria for Health Facilities

Occupancy Rates

1.2.1 BED SIZING CONFIDENCE CRITERIA

The following occupancy rates shall be used in planning numbers of beds in DoD hospitals:

(1) MEDICAL, SURGICAL, PEDIATRICS, AND PSYCHIATRIC

ADPL	ADPL Occupancy Rates
less than 26	70%
26-50	80%
51-100	85%
101-250	90%
greater than 250	95%

(2) OBSTETRICAL UNITS

Occupancy Rate
70%

(3) ICU AND CCU UNITS

Intensive Care and Coronary Care Units (ICU and CCU): The number of ICU and CCU beds will be supported by a specific justification. The justification will address factors such as hospital mission, expected mission change, projected work load, and geographical location. If space is requested for a laboratory to support these special care functions, it will be supported by a similar justification. The following guidelines serve as a baseline for programming these units when an ICU or CCU capability is justified:

ADPL	Occupancy Rates
less than 11	55%
11-20	65%
21-35	70%
greater than 35	75%

- minimum of four ICU beds
- minimum of two CCU beds unless not collocated with ICU in which case the minimum is four

If the ADPL data for the ICU or CCU is not available, the following criteria may be used to estimate the ICU/CCU requirements.

- a. The recommended baseline for ICU bed computation is four percent of the total programmed bed capacity. The minimum number of ICU beds is four.
- b. The recommended baseline for CCU bed computation is two percent of the total programmed bed capacity. The minimum number of CCU beds is two CCU beds when collocated with an ICU or four beds when located in a separate unit.
- c. Baseline recommendations for ICU & CCU beds:

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The acuity of inpatient has increased and this does not provide adequate beds. This section is currently under revision by others.

Total Bed Capacity	ICU Beds	CCU Beds
99 OR LESS	4	2
100 - 199	4 - 8	2 - 4
200 - 299	8 -12	2 - 4
300 - 399	12 -16	4 - 6
400+	AS JUSTIFIED	AS JUSTIFIED

(4) PLANNING EXAMPLE

a. Total bed computation using ADPL to size all beds, including ICU and CCU.

Suppose ADPL is projected to be as follows:

Med/Surg/Pediatrics/ Psych/Light Care	= 200
ICU	= 10
CCU	= 5

Then the criteria dictate:

Med/Surg/Pediatrics/ Psych/Light Care beds	= 200/0.90	= 223 beds
Obstetrical beds	= 30/0.70	= 40
ICU beds	= 10/0.55	= 19
CCU beds	= 5/0.55	= 10

b. Total bed computation using ADPL to size all except the ICU and CCU.

Suppose ADPL is projected to be as follows:

Med/Surg/Pediatrics/Psych/Light Care	= 200 (Projected ADPL)
Obstetrical	= 30 (Projected ADPL)

Then the criteria dictate:

Med/Surg/Pediatrics/Psych.	= 200/0.90	= 223 beds
ICU and CCU calculated as a percentage:		

ICU BEDS = 230 (Projected M/S/P ADPL) x 0.04 = 9.2 = 9 beds

CCU BEDS = 230 (Projected M/S/P ADPL) x 0.02 = 4.6 = 5 beds

c. Uniformed Facility Accessibility Standards (UFAS) and ADA.

Facilities will be constructed within UFAS and ADA compliance standards: See Section 6.