

How to Use Bed Need Estimates - General

Please see the following steps to use the new bed need formula described at 441 Iowa Administrative Code 124.4 for changes to Intermediate Care facility (ICF) and Skilled Nursing facility (SNF) beds through the Certificate of Need process. **Note that the values reported in Table 1: Bed Demand Estimates are subject to change as population estimates and projections change.**

Analysis

1. Find the county for the proposed new or changed beds in the table below. The table provides a low estimate of needed beds and a high estimate of needed beds, resulting in an estimate range.
2. Locate the number of existing beds for the county of interest via the Department of Inspections, Appeals, and Licensing website here: <https://dia-hfd.iowa.gov/>
3. Add the value from number 2 above to the number of beds being added by the Certificate of Need application.

Results

4. If the result from number 3 above is less than the low estimate of needed beds (lower bound in Table 1 below), there is evidence that additional beds are needed.
5. If the result from number 3 above is greater than the high estimate of needed beds (upper bound in Table 1 below), there is evidence that additional beds are not needed.
6. If the result from number 3 above falls within the estimate range (between and lower and upper bounds in Table 1 below), additional beds may or may not be needed. Additional factors should be considered to determine bed need.

Other Considerations

The results of this formula for bed need are used, along with other factors, to estimate the number of long-term beds needed in an area. Other factors considered include:

- the availability of other ICF and SNF services in the county or service area,
- the availability and utilization of other long-term care services in nearby hospitals (such as skilled care available through swing bed programs),
- ICF and SNF beds previously approved through certificate of need but not yet licensed,
- the availability of home health and other in-home services,
- market area bed need (defined as all contiguous counties, see Table 2)
- utilization by out-of-state residents.

See <https://hhs.iowa.gov/certificate-need-con-program> for additional information.

Table 1: Bed Demand Estimates

County	Level of Care	County Bed Demand - Lower Bound	County Bed Demand - Upper Bound
ADAIR	ICF	6.9	16.9
ADAIR	SNF	173.6	401.2
ADAMS	ICF	2.7	6.7
ADAMS	SNF	66.9	158.8
ALLAMAKEE	ICF	7.7	20.8
ALLAMAKEE	SNF	194.7	493.8
APPANOOSE	ICF	7.5	19.4
APPANOOSE	SNF	188.4	461.1
AUDUBON	ICF	5.8	15.4
AUDUBON	SNF	146.4	366.4
BENTON	ICF	11.7	29.2
BENTON	SNF	294.7	692.9
BLACK HAWK	ICF	40.0	101.5
BLACK HAWK	SNF	1,005.5	2,410.0
BOONE	ICF	15.4	38.3
BOONE	SNF	388.4	910.3
BREMER	ICF	13.2	33.1
BREMER	SNF	332.9	786.1
BUCHANAN	ICF	8.9	21.7
BUCHANAN	SNF	224.4	514.2
BUENA VISTA	ICF	4.6	10.9
BUENA VISTA	SNF	115.7	257.9
BUTLER	ICF	10.3	26.0
BUTLER	SNF	258.8	617.9

County	Level of Care	County Bed Demand - Lower Bound	County Bed Demand - Upper Bound
CALHOUN	ICF	7.5	19.0
CALHOUN	SNF	187.6	450.0
CARROLL	ICF	16.7	42.8
CARROLL	SNF	420.2	1,015.6
CASS	ICF	10.2	26.2
CASS	SNF	257.0	621.0
CEDAR	ICF	8.7	22.0
CEDAR	SNF	219.6	523.4
CERRO GORDO	ICF	25.3	67.9
CERRO GORDO	SNF	636.2	1,611.6
CHEROKEE	ICF	10.0	26.9
CHEROKEE	SNF	251.7	638.2
CHICKASAW	ICF	7.7	19.0
CHICKASAW	SNF	193.5	451.1
CLARKE	ICF	4.6	11.4
CLARKE	SNF	116.1	270.3
CLAY	ICF	9.4	23.5
CLAY	SNF	235.3	556.9
CLAYTON	ICF	13.0	34.4
CLAYTON	SNF	327.0	817.1
CLINTON	ICF	18.9	49.6
CLINTON	SNF	475.2	1,177.4
CRAWFORD	ICF	4.8	11.5
CRAWFORD	SNF	121.4	273.6
DALLAS	ICF	18.8	44.8

County	Level of Care	County Bed Demand - Lower Bound	County Bed Demand - Upper Bound
DALLAS	SNF	472.9	1,062.7
DAVIS	ICF	3.6	8.8
DAVIS	SNF	91.3	208.5
DECATUR	ICF	3.4	8.0
DECATUR	SNF	85.0	189.5
DELAWARE	ICF	8.4	21.2
DELAWARE	SNF	210.6	502.2
DES MOINES	ICF	17.3	44.9
DES MOINES	SNF	434.5	1,066.3
DICKINSON	ICF	13.2	35.7
DICKINSON	SNF	331.8	848.7
DUBUQUE	ICF	33.7	86.5
DUBUQUE	SNF	846.7	2,053.1
EMMET	ICF	5.8	14.7
EMMET	SNF	144.9	349.5
FAYETTE	ICF	11.9	30.7
FAYETTE	SNF	300.4	728.9
FLOYD	ICF	11.5	29.2
FLOYD	SNF	289.5	693.7
FRANKLIN	ICF	6.4	16.4
FRANKLIN	SNF	160.3	389.7
FREMONT	ICF	5.1	13.1
FREMONT	SNF	128.2	310.8
GREENE	ICF	7.3	18.5
GREENE	SNF	182.9	438.5

County	Level of Care	County Bed Demand - Lower Bound	County Bed Demand - Upper Bound
GRUNDY	ICF	6.8	16.9
GRUNDY	SNF	171.0	400.3
GUTHRIE	ICF	9.1	23.3
GUTHRIE	SNF	228.9	552.1
HAMILTON	ICF	11.3	28.8
HAMILTON	SNF	285.3	683.2
HANCOCK	ICF	5.4	13.5
HANCOCK	SNF	135.6	319.8
HARDIN	ICF	11.0	27.9
HARDIN	SNF	275.6	662.6
HARRISON	ICF	8.7	22.1
HARRISON	SNF	219.3	525.0
HENRY	ICF	12.7	31.8
HENRY	SNF	320.3	755.4
HOWARD	ICF	4.9	12.4
HOWARD	SNF	123.8	295.3
HUMBOLDT	ICF	4.6	11.3
HUMBOLDT	SNF	115.8	268.9
IDA	ICF	5.4	13.9
IDA	SNF	135.4	329.6
IOWA	ICF	6.3	15.8
IOWA	SNF	157.5	375.2
JACKSON	ICF	9.3	23.7
JACKSON	SNF	233.7	562.9
JASPER	ICF	20.4	51.7

County	Level of Care	County Bed Demand - Lower Bound	County Bed Demand - Upper Bound
JASPER	SNF	513.9	1,228.1
JEFFERSON	ICF	8.1	20.7
JEFFERSON	SNF	204.3	491.8
JOHNSON	ICF	20.1	48.2
JOHNSON	SNF	506.6	1,145.3
JONES	ICF	7.3	18.6
JONES	SNF	184.6	441.9
KEOKUK	ICF	5.1	13.1
KEOKUK	SNF	129.0	310.6
KOSSUTH	ICF	7.8	20.2
KOSSUTH	SNF	196.4	479.7
LEE	ICF	16.1	41.7
LEE	SNF	405.2	990.7
LINN	ICF	54.9	142.3
LINN	SNF	1,381.5	3,378.2
LOUISA	ICF	4.3	10.4
LOUISA	SNF	107.2	246.8
LUCAS	ICF	4.5	11.8
LUCAS	SNF	114.3	281.0
LYON	ICF	3.6	8.7
LYON	SNF	90.5	206.6
MADISON	ICF	5.9	14.3
MADISON	SNF	147.6	340.0
MAHASKA	ICF	7.1	17.7
MAHASKA	SNF	179.8	420.6

County	Level of Care	County Bed Demand - Lower Bound	County Bed Demand - Upper Bound
MARION	ICF	13.6	33.6
MARION	SNF	342.3	797.0
MARSHALL	ICF	20.2	51.0
MARSHALL	SNF	509.2	1,210.9
MILLS	ICF	8.4	20.9
MILLS	SNF	212.3	495.1
MITCHELL	ICF	4.5	11.4
MITCHELL	SNF	114.1	270.9
MONONA	ICF	8.1	22.0
MONONA	SNF	204.8	522.4
MONROE	ICF	3.4	8.2
MONROE	SNF	86.3	194.9
MONTGOMERY	ICF	8.7	22.4
MONTGOMERY	SNF	219.2	532.3
MUSCATINE	ICF	20.0	49.2
MUSCATINE	SNF	502.5	1,167.0
O'BRIEN	ICF	10.1	25.8
O'BRIEN	SNF	252.9	613.7
OSCEOLA	ICF	4.4	11.4
OSCEOLA	SNF	111.9	270.7
PAGE	ICF	9.1	23.0
PAGE	SNF	229.7	547.2
PALO ALTO	ICF	5.3	13.1
PALO ALTO	SNF	132.1	312.1
PLYMOUTH	ICF	10.9	27.2

County	Level of Care	County Bed Demand - Lower Bound	County Bed Demand - Upper Bound
PLYMOUTH	SNF	274.3	646.8
POCAHONTAS	ICF	5.3	13.3
POCAHONTAS	SNF	133.0	316.6
POLK	ICF	71.6	183.2
POLK	SNF	1,799.4	4,350.4
POTTAWATTAMIE	ICF	34.9	89.4
POTTAWATTAMIE	SNF	876.9	2,122.1
POWESHIEK	ICF	7.7	19.2
POWESHIEK	SNF	193.2	456.5
RINGGOLD	ICF	4.7	12.4
RINGGOLD	SNF	119.3	294.3
SAC	ICF	7.8	20.1
SAC	SNF	195.4	477.8
SCOTT	ICF	38.9	100.8
SCOTT	SNF	978.1	2,393.1
SHELBY	ICF	8.0	20.8
SHELBY	SNF	200.8	495.0
SIOUX	ICF	9.9	23.8
SIOUX	SNF	248.0	566.2
STORY	ICF	18.2	42.0
STORY	SNF	457.5	996.6
TAMA	ICF	10.7	27.1
TAMA	SNF	268.6	643.1
TAYLOR	ICF	3.2	7.7
TAYLOR	SNF	79.9	182.8

County	Level of Care	County Bed Demand - Lower Bound	County Bed Demand - Upper Bound
UNION	ICF	5.8	14.3
UNION	SNF	147.0	338.5
VAN BUREN	ICF	3.8	9.7
VAN BUREN	SNF	94.9	230.0
WAPELLO	ICF	11.0	26.9
WAPELLO	SNF	275.7	639.4
WARREN	ICF	25.0	61.4
WARREN	SNF	628.7	1,457.9
WASHINGTON	ICF	13.8	34.2
WASHINGTON	SNF	346.4	812.6
WAYNE	ICF	3.3	8.3
WAYNE	SNF	82.5	196.3
WEBSTER	ICF	14.1	35.0
WEBSTER	SNF	355.0	830.3
WINNEBAGO	ICF	6.6	16.9
WINNEBAGO	SNF	166.4	402.3
WINNESHIEK	ICF	8.3	21.3
WINNESHIEK	SNF	208.9	504.9
WOODBURY	ICF	19.0	47.0
WOODBURY	SNF	477.4	1,116.3
WORTH	ICF	4.5	11.3
WORTH	SNF	112.8	268.5
WRIGHT	ICF	8.0	20.9
WRIGHT	SNF	202.2	496.1

Table 2: Contiguous Counties

County	Market Definition
ADAIR	Adair, Adams, Audubon, Cass, Dallas, Guthrie, Madison, Union
ADAMS	Adams, Adair, Cass, Montgomery, Page, Ringgold, Taylor, Union
ALLAMAKEE	Allamakee, Clayton, Fayette, Winneshiek
APPANOOSE	Appanoose, Davis, Lucas, Monroe, Wapello, Wayne
AUDUBON	Audubon, Adair, Carroll, Cass, Crawford, Guthrie, Shelby
BENTON	Benton, Black Hawk, Buchanan, Iowa, Johnson, Linn, Poweshiek, Tama
BLACK HAWK	Black Hawk, Benton, Bremer, Buchanan, Butler, Fayette, Grundy, Tama
BOONE	Boone, Dallas, Greene, Hamilton, Polk, Story, Webster
BREMER	Bremer, Black Hawk, Buchanan, Butler, Chickasaw, Fayette, Floyd
BUCHANAN	Buchanan, Benton, Black Hawk, Bremer, Clayton, Delaware, Fayette, Linn
BUENA VISTA	Buena Vista, Calhoun, Cherokee, Clay, Ida, O'Brien, Palo Alto, Pocahontas, Sac
BUTLER	Butler, Black Hawk, Bremer, Cerro Gordo, Chickasaw, Floyd, Franklin, Grundy, Hardin
CALHOUN	Calhoun, Buena Vista, Carroll, Greene, Pocahontas, Sac, Webster
CARROLL	Carroll, Audubon, Calhoun, Crawford, Greene, Guthrie, Sac, Shelby
CASS	Cass, Adair, Adams, Audubon, Guthrie, Montgomery, Pottawattamie, Shelby
CEDAR	Cedar, Clinton, Johnson, Jones, Linn, Muscatine, Scott

County	Market Definition
CERRO GORDO	Cerro Gordo, Butler, Floyd, Franklin, Hancock, Mitchell, Winnebago, Worth, Wright
CHEROKEE	Cherokee, Buena Vista, Clay, Ida, O'Brien, Plymouth, Sac, Sioux, Woodbury
CHICKASAW	Chickasaw, Bremer, Butler, Fayette, Floyd, Howard, Mitchell, Winneshiek
CLARKE	Clarke, Decatur, Lucas, Madison, Ringgold, Union, Warren, Wayne
CLAY	Clay, Buena Vista, Cherokee, Dickinson, Emmet, O'Brien, Osceola, Palo Alto, Pocahontas
CLAYTON	Clayton, Allamakee, Buchanan, Delaware, Dubuque, Fayette, Winneshiek
CLINTON	Clinton, Cedar, Jackson, Jones, Scott
CRAWFORD	Crawford, Audubon, Carroll, Harrison, Ida, Monona, Sac, Shelby, Woodbury
DALLAS	Dallas, Adair, Boone, Greene, Guthrie, Madison, Polk, Warren
DAVIS	Davis, Appanoose, Jefferson, Monroe, Van Buren, Wapello
DECATUR	Decatur, Clarke, Lucas, Ringgold, Union, Wayne
DELAWARE	Delaware, Buchanan, Clayton, Dubuque, Fayette, Jones, Linn
DES MOINES	Des Moines, Henry, Lee, Louisa
DICKINSON	Dickinson, Clay, Emmet, O'Brien, Osceola, Palo Alto
DUBUQUE	Dubuque, Clayton, Delaware, Jackson, Jones
EMMET	Emmet, Clay, Dickinson, Kossuth, Palo Alto
FAYETTE	Fayette, Allamakee, Black Hawk, Bremer, Buchanan, Chickasaw, Clayton, Delaware, Winneshiek

County	Market Definition
FLOYD	Floyd, Bremer, Butler, Cerro Gordo, Chickasaw, Franklin, Howard, Mitchell
FRANKLIN	Franklin, Butler, Cerro Gordo, Floyd, Grundy, Hamilton, Hancock, Hardin, Wright
FREMONT	Fremont, Mills, Montgomery, Page
GREENE	Greene, Boone, Calhoun, Carroll, Dallas, Guthrie, Webster
GRUNDY	Grundy, Black Hawk, Butler, Franklin, Hardin, Marshall, Tama
GUTHRIE	Guthrie, Adair, Audubon, Carroll, Cass, Dallas, Greene, Madison
HAMILTON	Hamilton, Boone, Franklin, Hardin, Story, Webster, Wright
HANCOCK	Hancock, Cerro Gordo, Franklin, Humboldt, Kossuth, Winnebago, Worth, Wright
HARDIN	Hardin, Butler, Franklin, Grundy, Hamilton, Marshall, Story, Wright
HARRISON	Harrison, Crawford, Monona, Pottawattamie, Shelby
HENRY	Henry, Des Moines, Jefferson, Lee, Louisa, Van Buren, Washington
HOWARD	Howard, Chickasaw, Floyd, Mitchell, Winneshiek
HUMBOLDT	Humboldt, Hancock, Kossuth, Palo Alto, Pocahontas, Webster, Wright
IDA	Ida, Buena Vista, Cherokee, Crawford, Monona, Sac, Woodbury
IOWA	Iowa, Benton, Johnson, Keokuk, Linn, Poweshiek, Tama, Washington
JACKSON	Jackson, Clinton, Dubuque, Jones
JASPER	Jasper, Mahaska, Marion, Marshall, Polk, Poweshiek, Story, Tama

County	Market Definition
JEFFERSON	Jefferson, Davis, Henry, Keokuk, Van Buren, Wapello, Washington
JOHNSON	Johnson, Benton, Cedar, Iowa, Linn, Louisa, Muscatine, Washington
JONES	Jones, Cedar, Clinton, Delaware, Dubuque, Jackson, Linn
KEOKUK	Keokuk, Iowa, Jefferson, Mahaska, Poweshiek, Wapello, Washington
KOSSUTH	Kossuth, Emmet, Hancock, Humboldt, Palo Alto, Pocahontas, Winnebago, Wright
LEE	Lee, Des Moines, Henry, Van Buren
LINN	Linn, Benton, Buchanan, Cedar, Delaware, Iowa, Johnson, Jones
LOUISA	Louisa, Des Moines, Henry, Johnson, Muscatine, Washington
LUCAS	Lucas, Appanoose, Clarke, Decatur, Marion, Monroe, Warren, Wayne
LYON	Lyon, O'Brien, Osceola, Sioux
MADISON	Madison, Adair, Clarke, Dallas, Guthrie, Polk, Union, Warren
MAHASKA	Mahaska, Jasper, Keokuk, Marion, Monroe, Poweshiek, Wapello
MARION	Marion, Jasper, Lucas, Mahaska, Monroe, Polk, Warren
MARSHALL	Marshall, Grundy, Hardin, Jasper, Poweshiek, Story, Tama
MILLS	Mills, Fremont, Montgomery, Page, Pottawattamie
MITCHELL	Mitchell, Cerro Gordo, Chickasaw, Floyd, Howard, Worth
MONONA	Monona, Crawford, Harrison, Ida, Woodbury

County	Market Definition
MONROE	Monroe, Appanoose, Davis, Lucas, Mahaska, Marion, Wapello, Wayne
MONTGOMERY	Montgomery, Adams, Cass, Fremont, Mills, Page, Pottawattamie, Taylor
MUSCATINE	Muscatine, Cedar, Johnson, Louisa, Scott
O'BRIEN	O'Brien, Buena Vista, Cherokee, Clay, Dickinson, Lyon, Osceola, Plymouth, Sioux
OSCEOLA	Osceola, Clay, Dickinson, Lyon, O'Brien, Sioux
PAGE	Page, Adams, Fremont, Mills, Montgomery, Taylor
PALO ALTO	Palo Alto, Buena Vista, Clay, Dickinson, Emmet, Humboldt, Kossuth, Pocahontas
PLYMOUTH	Plymouth, Cherokee, O'Brien, Sioux, Woodbury
POCAHONTAS	Pocahontas, Buena Vista, Calhoun, Clay, Humboldt, Kossuth, Palo Alto, Sac, Webster
POLK	Polk, Boone, Dallas, Jasper, Madison, Marion, Story, Warren
POTTAWATTAMIE	Pottawattamie, Cass, Harrison, Mills, Montgomery, Shelby
POWESHIEK	Poweshiek, Benton, Iowa, Jasper, Keokuk, Mahaska, Marshall, Tama
RINGGOLD	Ringgold, Adams, Clarke, Decatur, Taylor, Union
SAC	Sac, Buena Vista, Calhoun, Carroll, Cherokee, Crawford, Ida, Pocahontas
SCOTT	Scott, Cedar, Clinton, Muscatine
SHELBY	Shelby, Audubon, Carroll, Cass, Crawford, Harrison, Pottawattamie
SIOUX	Sioux, Cherokee, Lyon, O'Brien, Osceola, Plymouth
STORY	Story, Boone, Hamilton, Hardin, Jasper, Marshall, Polk

County	Market Definition
TAMA	Tama, Benton, Black Hawk, Grundy, Iowa, Jasper, Marshall, Poweshiek
TAYLOR	Taylor, Adams, Montgomery, Page, Ringgold, Union
UNION	Union, Adair, Adams, Clarke, Decatur, Madison, Ringgold, Taylor
VAN BUREN	Van Buren, Davis, Henry, Jefferson, Lee, Wapello
WAPELLO	Wapello, Appanoose, Davis, Jefferson, Keokuk, Mahaska, Monroe, Van Buren
WARREN	Warren, Clarke, Dallas, Lucas, Madison, Marion, Polk
WASHINGTON	Washington, Henry, Iowa, Jefferson, Johnson, Keokuk, Louisa
WAYNE	Wayne, Appanoose, Clarke, Decatur, Lucas, Monroe
WEBSTER	Webster, Boone, Calhoun, Greene, Hamilton, Humboldt, Pocahontas, Wright
WINNEBAGO	Winnebago, Cerro Gordo, Hancock, Kossuth, Worth
WINNESHIEK	Winneshiek, Allamakee, Chickasaw, Clayton, Fayette, Howard
WOODBURY	Woodbury, Cherokee, Crawford, Ida, Monona, Plymouth
WORTH	Worth, Cerro Gordo, Hancock, Mitchell, Winnebago
WRIGHT	Wright, Cerro Gordo, Franklin, Hamilton, Hancock, Hardin, Humboldt, Kossuth, Webster