

Nursing Home Bed Need: 2024 Update

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Summary

The Nursing Home Bed Need Methodology was implemented using 2023 as the Base Year and 2028 as the Planning Year. Utilization data from 2020 and 2023 were used, as well as population data from 2023 and projected population data for 2028. Statewide, the estimated number of beds needed in the Planning Year is **41,402**, which is **3,408** beds fewer than the current number of beds (**44,810**). The number of Planning Areas with an overage of beds, a need for beds, and the correct number of beds are 65, 18, and 1 respectively. The results by Planning Area are included in Table 1. The **Washtenaw** planning area has the highest need for beds (324), while the **NW Wayne** planning area has the highest overage of beds (-250).

The statewide number of beds needed in the Planning Year is **807** fewer than the results of the prior bed need (**42,209**). This is likely due to the decrease in utilization rates in two older age groups (75 - 84 and 85+ years). The Planning Area with the largest increase in Bed Need since the last update is Kent (1,944 to 2,095 beds). The Planning Area with the largest decrease in Bed Need since the last update is Oakland (5,353 to 5,166 beds).

Changes in Utilization Rates

The Nursing Home Bed Need Methodology uses the Planning Area-level utilization rates by age group (0–64, 65–74, 75–84, and 85+ years) based on utilization in the base year; the utilization rates by age group are required to fall within bounds set at the HSA level, which are calculated using a trend based on utilization in the base year and three years prior. If a Planning Area's utilization rate falls outside of 80% to 120% of the projected utilization rate for the HSA it is located within, the Planning Area's utilization rate is adjusted to the threshold value. Utilization rates for each age group by HSA are presented in Table 2. Overall, utilization appears to be decreasing in the two older age groups (75 - 84 and 85+ years) and increasing in the youngest age groups (0 - 64 years).

Conclusion

Waiting until 2023 data were released appears to have produced more comprehensible results than the prior run, which calculated trends in utilization from 2019 to 2022 and was heavily influenced by the large changes in utilization that happened in 2020 due to the COVID-19 pandemic.

Table 1: Updated results from Nursing Home Bed Need methodology

PA No	Planning Area	CON Bed Inventory	Bed Need	Need or Excess	PA No	Planning Area	CON Bed Inventory	Bed Need	Need or Excess
1	Alcona	78	51	-27	44	Lapeer	368	367	-1
2	Alger	106	54	-52	45	Leelanau	119	111	-8
3	Allegan	518	429	-89	46	Lenawee	440	399	-41
4	Alpena	171	115	-56	47	Livingston	681	847	166
5	Antrim	133	96	-37	48	Luce	22	28	6
6	Arenac	68	73	5	49	Mackinac	48	67	19
7	Baraga	59	50	-9	50	Macomb	4,112	4,134	22
8	Barry	267	233	-34	51	Manistee	96	79	-17
9	Bay	578	492	-86	52	Marquette	382	355	-27
10	Benzie	113	79	-34	53	Mason	169	139	-30
11	Berrien	679	591	-88	54	Mecosta	200	162	-38
12	Branch	283	190	-93	55	Menominee	103	143	40
13	Calhoun	796	591	-205	56	Midland	386	362	-24
14	Cass	188	199	11	57	Missaukee	95	53	-42
15	Charlevoix	145	108	-37	58	Monroe	671	699	28
16	Cheboygan	85	86	1	59	Montcalm	241	230	-11
17	Chippewa	137	146	9	60	Montmorency	39	42	3
18	Clare	163	161	-2	61	Muskegon	605	551	-54
19	Clinton	309	306	-3	62	Newaygo	245	168	-77
20	Crawford	111	60	-51	63	Oakland	5,349	5,166	-183
21	Delta	272	238	-34	64	Oceana	115	90	-25
22	Dickinson	188	148	-40	65	Ogemaw	172	126	-46
23	Eaton	521	516	-5	66	Ontonagon	0	34	34
24	Emmet	220	137	-83	67	Osceola	39	70	31
25	Genesee	1,777	1,647	-130	68	Oscoda	39	33	-6
26	Gladwin	144	127	-17	69	Otsego	136	89	-47
27	Gogebic	165	103	-62	70	Ottawa	1,002	829	-173
28	Grand Traverse	505	356	-149	71	Presque Isle	90	63	-27
29	Gratiot	439	202	-237	72	Roscommon	100	137	37
30	Hillsdale	209	199	-10	73	Saginaw	1,032	907	-125
31	Houghton/Keweenaw	365	211	-154	74	St. Clair	763	777	14
32	Huron	267	167	-100	75	St. Joseph	316	265	-51
33	Ingham	1,069	1,067	-2	76	Sanilac	227	209	-18
34	Ionia	235	212	-23	77	Schoolcraft	55	55	0
35	Iosco	203	172	-31	78	Shiawassee	316	314	-2
36	Iron	249	94	-155	79	Tuscola	256	242	-14
37	Isabella	296	274	-22	80	Van Buren	237	264	27
38	Jackson	697	631	-66	81	Washtenaw	1,015	1,339	324
39	Kalamazoo	783	869	86	83	Wexford	131	78	-53
40	Kalkaska	104	61	-43	84	NW Wayne	3,003	2,753	-250
41	Kent	2,213	2,095	-118	85	SW Wayne	1,772	1,522	-250
43	Lake	79	63	-16	86	Detroit	3,636	3,405	-231

Table 2: Age Group Utilization Rates (Patient Days per 1,000 People) by HSA

Age Group	Utilization Rate 2020	Utilization Rate 2023	Utilization Rate 2028
HSA 1			
0 - 64 years	272.0	305.5	361.3
65 - 74 years	2,724.1	3,113.7	3,762.9
75 - 84 years	6,369.6	6,342.6	6,297.6
85+ years	17,714.9	15,356.2	11,425.1
HSA 2			
0 - 64 years	199.5	218.5	250.1
65 - 74 years	2,314.6	2,371.3	2,465.7
75 - 84 years	6,260.0	6,385.3	6,594.2
85+ years	21,843.5	18,650.1	13,327.7
HSA 3			
0 - 64 years	181.2	202.8	238.8
65 - 74 years	2,190.3	2,262.7	2,383.4
75 - 84 years	6,630.5	6,238.3	5,584.6
85+ years	23,611.6	19,424.8	12,446.7
HSA 4			
0 - 64 years	185.6	211.0	253.2
65 - 74 years	2,093.5	2,124.7	2,176.7
75 - 84 years	6,029.5	5,574.4	4,815.8
85+ years	21,027.0	16,618.3	9,270.5
HSA 5			
0 - 64 years	242.7	297.6	389.1
65 - 74 years	2,315.0	2,682.0	3,293.6
75 - 84 years	6,172.6	6,430.2	6,859.5
85+ years	18,578.9	15,268.9	9,752.2
HSA 6			
0 - 64 years	265.7	304.1	368.2
65 - 74 years	2,430.7	2,658.0	3,037.0
75 - 84 years	7,799.9	7,246.9	6,325.3
85+ years	25,631.8	20,550.4	12,081.4
HSA 7			
0 - 64 years	231.0	215.1	188.7
65 - 74 years	1,925.6	1,775.9	1,526.3
75 - 84 years	6,319.2	5,278.9	3,545.1
85+ years	25,060.0	19,971.8	11,491.5
HSA 8			
0 - 64 years	236.5	242.9	253.7
65 - 74 years	2,354.8	2,405.7	2,490.6
75 - 84 years	10,173.0	8,336.7	5,276.1
85+ years	40,016.8	33,434.3	22,463.5