

Table 10B: County Rate Calculations for Nursing Care Bed Need Determination

A County	B Patients					C Populations					D Rates					E Actual Average Change Rate	F Selected Change Rate (County or State)	G Bed Rate per 1,000
	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022			
	Alamance	761	742	600	597	675	165,749	170,483	170,698	173,384	177,141	4.5913	4.3523	3.5150	3.4432			
Alexander	104	99	84	63	76	38,390	38,530	38,524	36,145	36,429	2.7090	2.5694	2.1805	1.7430	2.0862	-0.0517	-0.0110	2.0173
Alleghany	67	62	73	76	81	11,466	11,466	11,558	10,829	11,132	5.8434	5.4073	6.3160	7.0182	7.2763	0.0603	-0.0110	7.0359
Anson	149	151	131	130	135	25,460	25,290	23,889	21,904	21,502	5.8523	5.9707	5.4837	5.9350	6.2785	0.0197	0.0197	6.6497
Ashe	117	125	94	111	113	27,551	27,861	28,020	26,444	26,653	4.2467	4.4866	3.3547	4.1975	4.2397	0.0164	0.0164	4.4479
Avery	79	74	73	69	62	17,913	18,022	18,182	17,775	17,951	4.4102	4.1061	4.0150	3.8819	3.4538	-0.0586	-0.0110	3.3397
Beaufort	245	252	157	213	234	47,438	47,480	47,400	44,120	44,395	5.1646	5.3075	3.3122	4.8277	5.2709	0.0503	0.0503	6.0657
Bertie	105	100	104	96	89	19,732	19,636	19,496	17,598	16,933	5.3213	5.0927	5.3344	5.4552	5.2560	-0.0023	-0.0023	5.2191
Bladen	146	143	123	133	128	34,298	34,497	34,421	28,771	29,195	4.2568	4.1453	3.5734	4.6227	4.3843	0.0195	0.0195	4.6405
Brunswick	386	446	378	412	438	136,126	142,088	147,644	140,411	150,848	2.8356	3.1389	2.5602	2.9342	2.9036	0.0146	0.0146	3.0304
Buncombe	1,443	1,527	1,407	1,401	1,389	262,483	264,056	264,408	272,880	274,361	5.4975	5.7829	5.3213	5.1341	5.0627	-0.0192	-0.0192	4.7703
Burke	406	413	378	430	414	91,555	91,810	91,708	86,783	87,412	4.4345	4.4984	4.1218	4.9549	4.7362	0.0222	0.0222	5.0512
Cabarrus	591	636	510	489	528	209,303	212,917	216,841	232,083	235,654	2.8237	2.9871	2.3520	2.1070	2.2406	-0.0489	-0.0110	2.1665
Caldwell	341	337	341	327	322	83,597	83,417	84,230	80,171	80,975	4.0791	4.0399	4.0484	4.0788	3.9765	-0.0063	-0.0063	3.9018
Camden *	0	0	0	0	0	10,414	10,611	10,575	10,469	10,915	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Carteret	259	244	192	177	188	70,619	71,163	71,352	67,311	68,813	3.6676	3.4287	2.6909	2.6296	2.7320	-0.0660	-0.0110	2.6418
Caswell	113	114	122	110	99	23,309	23,664	23,462	22,582	22,339	4.8479	4.8174	5.1999	4.8711	4.4317	-0.0201	-0.0201	4.1647
Catawba	647	650	601	613	612	157,978	159,494	160,732	161,909	162,790	4.0955	4.0754	3.7391	3.7861	3.7594	-0.0205	-0.0205	3.5285
Chatham	339	347	318	326	364	74,491	75,994	77,061	77,747	78,450	4.5509	4.5661	4.1266	4.1931	4.6399	0.0074	0.0074	4.7435
Cherokee	158	150	111	138	161	29,288	29,630	29,610	28,873	29,177	5.3947	5.0624	3.7487	4.7796	5.5180	0.0271	0.0271	5.9667
Chowan	91	89	86	81	67	14,123	14,114	14,114	13,640	13,677	6.4434	6.3058	6.0932	5.9384	4.8987	-0.0639	-0.0110	4.7369
Clay	86	77	76	72	67	11,646	11,860	11,759	11,066	11,415	7.3845	6.4924	6.4631	6.5064	5.8695	-0.0541	-0.0110	5.6755
Cleveland	457	443	324	359	405	98,717	99,776	100,814	100,541	101,874	4.6294	4.4399	3.2138	3.5707	3.9755	-0.0232	-0.0232	3.6992
Columbus	256	179	177	188	209	56,505	56,290	56,002	49,307	50,043	4.5306	3.1800	3.1606	3.8128	4.1764	-0.0006	-0.0006	4.1686
Craven	401	390	337	356	303	103,569	103,779	103,016	100,128	102,032	3.8718	3.7580	3.2713	3.5554	2.9697	-0.0592	-0.0110	2.8715
Cumberland	984	921	791	800	820	329,079	332,455	333,531	334,660	343,588	2.9902	2.7703	2.3716	2.3905	2.3866	-0.0528	-0.0110	2.3077
Currituck	59	51	55	55	75	27,321	27,526	28,048	29,305	30,904	2.1595	1.8528	1.9609	1.8768	2.4269	0.0416	0.0416	2.7300
Dare	91	86	68	78	65	37,197	37,290	38,027	37,342	37,937	2.4464	2.3062	1.7882	2.0888	1.7134	-0.0734	-0.0110	1.6568
Davidson	689	667	606	601	600	167,762	169,468	170,370	170,044	172,093	4.1070	3.9358	3.5570	3.5344	3.4865	-0.0395	-0.0395	3.0738
Davie	158	195	203	210	215	43,193	43,430	43,746	43,283	43,754	3.6580	4.4900	4.6404	4.8518	4.9138	0.0798	-0.0110	4.7515
Duplin	232	192	201	194	195	59,629	59,736	60,177	47,043	48,747	3.8907	3.2141	3.3401	4.1239	4.0002	0.0175	0.0175	4.2102
Durham	1,107	1,104	918	905	1,027	311,649	315,741	321,261	329,973	332,576	3.5521	3.4965	2.8575	2.7426	3.0880	-0.0282	-0.0282	2.8271
Edgecombe	277	262	192	220	246	53,001	52,586	52,024	48,104	47,707	5.2263	4.9823	3.6906	4.5734	5.1565	0.0152	0.0152	5.3914
Forsyth	1,329	1,344	1,134	1,176	1,192	377,523	379,693	380,964	385,489	386,047	3.5203	3.5397	2.9767	3.0507	3.0877	-0.0291	-0.0291	2.8178
Franklin	187	205	167	194	202	67,723	69,112	71,196	70,436	73,371	2.7612	2.9662	2.3456	2.7543	2.7531	0.0097	0.0097	2.8333

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	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022			
	Gaston	826	810	751	737	757	221,607	222,744	224,168	230,378	237,542	3.7273	3.6365	3.3502	3.1991			
Gates	51	58	52	47	52	12,079	12,132	11,908	10,166	10,312	4.2222	4.7807	4.3668	4.6233	5.0427	0.0488	0.0488	5.7807
Graham	66	70	43	51	49	8,775	8,687	8,642	7,967	8,052	7.5214	8.0580	4.9757	6.4014	6.0854	-0.0185	-0.0185	5.7477
Granville	194	197	152	175	684	61,241	61,406	61,628	61,410	62,050	3.1678	3.2082	2.4664	2.8497	11.0234	0.7013	-0.0110	10.6591
Greene	83	97	97	102	102	21,301	21,050	20,951	20,372	20,119	3.8965	4.6081	4.6299	5.0069	5.0698	0.0703	-0.0110	4.9023
Guilford	1,985	2,007	1,867	1,799	1,899	533,213	539,666	538,431	547,379	544,278	3.7227	3.7190	3.4675	3.2866	3.4890	-0.0148	-0.0148	3.3341
Halifax	257	181	212	214	189	51,704	51,194	50,898	47,873	47,787	4.9706	3.5356	4.1652	4.4702	3.9551	-0.0382	-0.0382	3.5023
Harnett	388	391	351	335	382	133,869	135,239	136,705	134,847	139,562	2.8984	2.8912	2.5676	2.4843	2.7371	-0.0113	-0.0113	2.6446
Haywood	392	416	341	367	359	62,959	63,328	63,481	62,403	62,888	6.2263	6.5690	5.3717	5.8811	5.7086	-0.0154	-0.0154	5.4443
Henderson	714	669	599	613	635	117,312	118,312	118,563	117,408	117,274	6.0863	5.6545	5.0522	5.2211	5.4147	-0.0267	-0.0267	4.9803
Hertford	131	133	83	106	120	24,031	24,037	23,720	19,871	19,507	5.4513	5.5331	3.4992	5.3344	6.1516	0.0813	-0.0110	5.9484
Hoke	108	112	92	101	107	54,923	54,842	54,682	52,331	55,151	1.9664	2.0422	1.6825	1.9300	1.9401	0.0037	0.0037	1.9616
Hyde	40	37	32	0	0	5,449	5,181	5,119	4,482	4,549	7.3408	7.1415	6.2512	0.0000	0.0000	0.0000	0.0000	0.0000
Iredell	481	486	413	441	684	179,330	181,380	183,309	191,180	196,170	2.6822	2.6795	2.2530	2.3067	3.4868	0.0938	-0.0110	3.3716
Jackson	163	168	178	173	167	44,272	44,335	44,354	43,147	42,972	3.6818	3.7893	4.0132	4.0095	3.8863	0.0142	0.0142	4.0513
Johnston	527	525	506	503	515	199,768	205,951	211,626	223,975	233,435	2.6381	2.5492	2.3910	2.2458	2.2062	-0.0435	-0.0435	1.9181
Jones	52	56	39	33	41	10,100	10,196	10,067	8,947	9,199	5.1485	5.4923	3.8740	3.6884	4.4570	-0.0168	-0.0168	4.2317
Lee	244	251	227	208	196	60,097	61,690	61,663	64,278	64,907	4.0601	4.0687	3.6813	3.2359	3.0197	-0.0702	-0.0110	2.9199
Lenoir	305	318	286	268	239	57,232	56,372	56,876	54,783	54,572	5.3292	5.6411	5.0285	4.8920	4.3795	-0.0455	-0.0110	4.2348
Lincoln	268	249	236	244	249	84,608	86,453	88,699	88,298	91,171	3.1675	2.8802	2.6607	2.7634	2.7311	-0.0350	-0.0350	2.4444
Macon	147	137	126	129	103	36,117	36,498	37,014	37,430	37,653	4.0701	3.7536	3.4041	3.4464	2.7355	-0.0912	-0.0110	2.6451
Madison	163	173	171	167	161	22,523	22,602	22,500	21,205	21,522	7.2370	7.6542	7.6000	7.8755	7.4807	0.0092	0.0092	7.6865
Martin	102	105	100	86	87	23,290	23,150	22,904	21,713	21,476	4.3796	4.5356	4.3660	3.9608	4.0510	-0.0179	-0.0179	3.8329
McDowell	193	213	173	183	180	46,358	46,684	46,530	44,350	44,443	4.1633	4.5626	3.7180	4.1263	4.0501	0.0005	0.0005	4.0567
Mecklenburg	2,765	2,816	2,278	2,409	2,600	1,093,708	1,108,107	1,118,775	1,133,504	1,135,873	2.5281	2.5413	2.0362	2.1253	2.2890	-0.0182	-0.0182	2.1641
Mitchell	88	97	86	73	78	15,234	15,239	15,112	14,836	14,895	5.7766	6.3652	5.6908	4.9205	5.2367	-0.0188	-0.0188	4.9415
Montgomery	96	99	80	77	86	27,926	27,666	27,753	25,705	25,757	3.4377	3.5784	2.8826	2.9955	3.3389	0.0001	0.0001	3.3397
Moore	559	550	512	451	479	99,310	101,180	102,814	101,649	104,758	5.6288	5.4359	4.9799	4.4368	4.5724	-0.0492	-0.0110	4.4214
Nash	381	388	335	332	355	95,072	95,647	96,669	95,116	95,446	4.0075	4.0566	3.4654	3.4905	3.7194	-0.0152	-0.0152	3.5501
New Hanover	937	901	825	846	851	233,595	235,560	235,231	227,782	235,245	4.0112	3.8249	3.5072	3.7141	3.6175	-0.0241	-0.0241	3.3556
Northampton	104	136	130	140	138	20,711	20,527	20,054	16,796	17,036	5.0215	6.6254	6.4825	8.3353	8.1005	0.1389	-0.0110	7.8328
Onslow	227	235	204	215	222	198,783	201,548	210,056	206,718	209,491	1.1419	1.1660	0.9712	1.0401	1.0597	-0.0141	-0.0141	1.0150
Orange	299	348	319	358	343	144,372	147,093	147,907	150,258	149,665	2.0710	2.3659	2.1568	2.3826	2.2918	0.0301	0.0301	2.4990
Pamlico	74	79	68	70	68	13,273	13,266	13,277	12,140	12,299	5.5752	5.9551	5.1216	5.7661	5.5289	0.0032	0.0032	5.5823
Pasquotank	227	202	203	177	209	39,826	39,731	39,952	40,743	40,763	5.6998	5.0842	5.0811	4.3443	5.1272	-0.0184	-0.0184	4.8449

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	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022			
	Pender	217	234	218	213	220	62,359	63,406	63,949	61,105	65,282	3.4799	3.6905	3.4090	3.4858			
Perquimans	49	52	54	56	63	13,729	13,639	13,807	12,847	13,445	3.5691	3.8126	3.9111	4.3590	4.6858	0.0709	-0.0110	4.5309
Person	163	162	147	133	132	40,014	40,370	40,450	39,044	39,586	4.0736	4.0129	3.6341	3.4064	3.3345	-0.0483	-0.0110	3.2243
Pitt	473	471	417	433	433	179,388	179,731	183,285	170,276	172,231	2.6367	2.6206	2.2751	2.5429	2.5141	-0.0079	-0.0079	2.4545
Polk	173	168	147	147	162	21,468	21,696	21,923	18,957	19,571	8.0585	7.7434	6.7053	7.7544	8.2776	0.0127	0.0127	8.5927
Randolph	570	534	475	507	521	143,907	144,914	145,246	144,818	145,796	3.9609	3.6849	3.2703	3.5009	3.5735	-0.0227	-0.0227	3.3297
Richmond	159	170	168	139	107	45,032	45,079	45,014	42,475	42,330	3.5308	3.7712	3.7322	3.2725	2.5278	-0.0733	-0.0110	2.4442
Robeson	446	388	345	318	1,028	131,303	131,056	131,238	113,699	116,951	3.3967	2.9606	2.6288	2.7969	8.7900	0.4916	-0.0110	8.4996
Rockingham	524	534	409	452	1,106	91,273	91,788	91,915	91,113	91,912	5.7410	5.8178	4.4498	4.9609	12.0332	0.3297	-0.0110	11.6357
Rowan	807	810	690	695	666	142,342	142,643	143,274	147,817	148,765	5.6694	5.6785	4.8159	4.7018	4.4769	-0.0555	-0.0110	4.3289
Rutherford	347	369	321	314	339	68,772	68,908	69,049	64,178	64,184	5.0457	5.3550	4.6489	4.8926	5.2817	0.0153	0.0153	5.5249
Sampson	198	205	156	140	169	64,019	64,284	64,053	58,309	58,987	3.0928	3.1890	2.4355	2.4010	2.8650	-0.0065	-0.0065	2.8090
Scotland	172	182	147	157	150	35,802	35,732	35,724	33,682	33,079	4.8042	5.0935	4.1149	4.6612	4.5346	-0.0066	-0.0066	4.4451
Stanly	334	341	229	273	249	63,465	63,727	64,691	62,220	62,883	5.2627	5.3510	3.5399	4.3877	3.9597	-0.0449	-0.0110	3.8289
Stokes	290	292	294	278	275	46,604	46,420	46,684	44,344	45,039	6.2226	6.2904	6.2977	6.2692	6.1058	-0.0046	-0.0046	6.0209
Surry	424	416	351	360	378	73,117	73,232	73,548	71,195	71,329	5.7989	5.6806	4.7724	5.0565	5.2994	-0.0182	-0.0182	5.0104
Swain	96	90	72	62	73	14,862	14,275	14,489	14,059	14,316	6.4594	6.3047	4.9693	4.4100	5.0992	-0.0480	-0.0110	4.9307
Transylvania	166	148	123	136	138	35,034	35,484	35,511	32,785	33,498	4.7383	4.1709	3.4637	4.1482	4.1196	-0.0246	-0.0246	3.8151
Tyrrell *	0	0	0	0	0	4,309	4,259	3,767	3,101	3,193	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Union	559	501	545	533	525	232,814	237,287	238,740	242,651	247,301	2.4011	2.1114	2.2828	2.1966	2.1229	-0.0277	-0.0277	1.9466
Vance	218	211	161	174	162	45,157	45,969	45,435	42,096	42,014	4.8276	4.5900	3.5435	4.1334	3.8559	-0.0445	-0.0110	3.7285
Wake	2,002	2,017	1,741	2,643	1,853	1,073,993	1,089,579	1,102,782	1,156,274	1,169,294	1.8641	1.8512	1.5787	2.2858	1.5847	-0.0032	-0.0032	1.5693
Warren	105	96	75	83	78	20,174	20,022	19,767	18,319	18,873	5.2047	4.7947	3.7942	4.5308	4.1329	-0.0453	-0.0110	3.9963
Washington	103	104	89	76	84	12,239	12,071	12,039	10,818	10,607	8.4157	8.6157	7.3926	7.0253	7.9193	-0.0102	-0.0102	7.6780
Watauga	171	161	129	140	145	57,646	57,899	57,011	53,639	54,068	2.9664	2.7807	2.2627	2.6100	2.6818	-0.0170	-0.0170	2.5453
Wayne	382	399	310	366	377	124,658	125,825	126,339	116,094	117,544	3.0644	3.1711	2.4537	3.1526	3.2073	0.0277	0.0277	3.4738
Wilkes	339	315	294	305	328	69,907	70,200	70,263	65,378	65,698	4.8493	4.4872	4.1843	4.6652	4.9925	0.0107	0.0107	5.1533
Wilson	333	315	264	221	284	81,968	82,282	83,495	78,284	77,877	4.0626	3.8283	3.1619	2.8231	3.6468	-0.0118	-0.0118	3.5179
Yadkin	175	176	165	166	158	38,477	38,196	38,145	37,081	37,117	4.5482	4.6078	4.3256	4.4767	4.2568	-0.0156	-0.0156	4.0578
Yancey	81	92	81	77	77	18,363	18,623	18,909	18,557	18,455	4.4110	4.9401	4.2837	4.1494	4.1723	-0.0097	-0.0097	4.0510
State Total	36,573	36,480	31,916	33,227	35,462	10,401,960	10,508,254	10,587,440	10,535,205	10,667,874	3.5160	3.4716	3.0145	3.1539	3.3242	-0.0110		

* Camden and Tyrrell counties have no Nursing Care Beds.