

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

A County	B Patients					C Populations					D Rates					E Actual Average Change Rates	F Selected Change Rate (County or State)	G Bed Rates per 1,000
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020			
	Alamance	774	762	761	742	600	159,371	161,076	165,749	170,483	170,698	4.8566	4.7307	4.5913	4.3523			
Alexander	115	109	104	99	84	38,054	38,452	38,390	38,530	38,524	3.0220	2.8347	2.7090	2.5694	2.1805	-0.0773	-0.0499	1.8537
Alleghany	83	75	67	62	73	11,255	11,233	11,466	11,466	11,558	7.3745	6.6768	5.8434	5.4073	6.3160	-0.0315	-0.0315	5.7190
Anson	145	152	149	151	131	26,155	25,626	25,460	25,290	23,889	5.5439	5.9315	5.8523	5.9707	5.4837	-0.0012	-0.0499	4.6620
Ashe	118	112	117	125	94	27,318	27,218	27,551	27,861	28,020	4.3195	4.1149	4.2467	4.4866	3.3547	-0.0528	-0.0528	2.8236
Avery	85	84	79	74	73	17,837	18,072	17,913	18,022	18,182	4.7654	4.6481	4.4102	4.1061	4.0150	-0.0417	-0.0417	3.5123
Beaufort	254	244	245	252	157	47,827	47,547	47,438	47,480	47,400	5.3108	5.1318	5.1646	5.3075	3.3122	-0.0939	-0.0499	2.8159
Bertie	115	114	105	100	104	20,413	19,881	19,732	19,636	19,496	5.6337	5.7341	5.3213	5.0927	5.3344	-0.0124	-0.0499	4.5351
Bladen	161	134	146	143	123	35,011	34,393	34,298	34,497	34,421	4.5986	3.8961	4.2568	4.1453	3.5734	-0.0561	-0.0561	2.9722
Brunswick	430	435	386	446	378	125,712	131,726	136,126	142,088	147,644	3.4205	3.3023	2.8356	3.1389	2.5602	-0.0633	-0.0499	2.1766
Buncombe	1,513	1,521	1,443	1,527	1,407	257,931	261,532	262,483	264,056	264,408	5.8659	5.8157	5.4975	5.7829	5.3213	-0.0228	-0.0499	4.5239
Burke	432	422	406	413	307	89,274	90,246	91,555	91,810	91,708	4.8390	4.6761	4.4345	4.4984	3.3476	-0.0817	-0.0499	2.8460
Cabarrus	582	572	591	636	510	200,595	205,473	209,303	212,917	216,841	2.9014	2.7838	2.8237	2.9871	2.3520	-0.0452	-0.0452	2.0328
Caldwell	318	327	341	337	341	82,691	83,303	83,597	83,417	84,230	3.8456	3.9254	4.0791	4.0399	4.0484	0.0131	-0.0499	3.4418
Camden *	0	0	0	0	0	10,223	10,359	10,414	10,611	10,575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0499	0.0000
Carteret	310	330	259	244	192	70,115	70,190	70,619	71,163	71,352	4.4213	4.7015	3.6676	3.4287	2.6909	-0.1092	-0.0499	2.2877
Caswell	134	113	113	114	122	23,615	23,699	23,309	23,664	23,462	5.6744	4.7681	4.8479	4.8174	5.1999	-0.0175	-0.0499	4.4207
Catawba	681	647	647	650	601	156,106	156,949	157,978	159,494	160,732	4.3624	4.1224	4.0955	4.0754	3.7391	-0.0372	-0.0372	3.3214
Chatham	360	338	339	347	318	73,176	74,835	74,491	75,994	77,061	4.9196	4.5166	4.5509	4.5661	4.1266	-0.0418	-0.0418	3.6090
Cherokee	161	170	158	150	111	27,878	29,216	29,288	29,630	29,610	5.7752	5.8187	5.3947	5.0624	3.7487	-0.0966	-0.0499	3.1870
Chowan	92	84	91	89	86	14,418	14,292	14,123	14,114	14,114	6.3809	5.8774	6.4434	6.3058	6.0932	-0.0094	-0.0499	5.1802
Clay	80	77	86	77	76	11,089	11,488	11,646	11,860	11,759	7.2144	6.7026	7.3845	6.4924	6.4631	-0.0236	-0.0499	5.4947
Cleveland	457	453	457	443	324	97,997	98,580	98,717	99,776	100,814	4.6634	4.5953	4.6294	4.4399	3.2138	-0.0811	-0.0499	2.7323
Columbus	263	255	256	179	177	57,095	56,941	56,505	56,290	56,002	4.6064	4.4783	4.5306	3.1800	3.1606	-0.0801	-0.0499	2.6870
Craven	383	392	401	390	337	103,256	103,735	103,569	103,779	103,016	3.7092	3.7789	3.8718	3.7580	3.2713	-0.0289	-0.0289	2.9879
Cumberland	990	973	984	921	791	327,820	329,604	329,079	332,455	333,531	3.0199	2.9520	2.9902	2.7703	2.3716	-0.0568	-0.0568	1.9678
Currituck	79	73	59	51	55	26,194	26,604	27,321	27,526	28,048	3.0160	2.7439	2.1595	1.8528	1.9609	-0.0967	-0.0499	1.6671
Dare	70	68	91	86	68	36,411	36,792	37,197	37,290	38,027	1.9225	1.8482	2.4464	2.3062	1.7882	0.0008	-0.0499	1.5202
Davidson	678	667	689	667	606	165,953	167,105	167,762	169,468	170,370	4.0855	3.9915	4.1070	3.9358	3.5570	-0.0330	-0.0330	3.2048
Davie	157	166	158	195	203	41,989	42,727	43,193	43,430	43,746	3.7391	3.8851	3.6580	4.4900	4.6404	0.0604	-0.0499	3.9451
Duplin	252	225	232	192	201	59,868	59,513	59,629	59,736	60,177	4.2093	3.7807	3.8907	3.2141	3.3401	-0.0519	-0.0519	2.8206
Durham	1,064	1,100	1,107	1,104	918	302,332	306,184	311,649	315,741	321,261	3.5193	3.5926	3.5521	3.4965	2.8575	-0.0472	-0.0472	2.4527
Edgecombe	257	277	277	262	192	54,248	52,856	53,001	52,586	52,024	4.7375	5.2407	5.2263	4.9823	3.6906	-0.0506	-0.0506	3.1302
Forsyth	1,336	1,255	1,329	1,344	1,134	369,688	372,651	377,523	379,693	380,964	3.6139	3.3678	3.5203	3.5397	2.9767	-0.0441	-0.0441	2.5829
Franklin	162	165	187	205	167	64,925	66,514	67,723	69,112	71,196	2.4952	2.4807	2.7612	2.9662	2.3456	-0.0069	-0.0499	1.9942
Gaston	833	843	826	810	751	214,664	218,527	221,607	222,744	224,168	3.8805	3.8576	3.7273	3.6365	3.3502	-0.0357	-0.0357	2.9914
Gates	48	51	51	58	52	11,701	11,960	12,079	12,132	11,908	4.1022	4.2642	4.2222	4.7807	4.3668	0.0188	-0.0499	3.7125
Graham	70	68	66	70	43	8,722	8,837	8,775	8,687	8,642	8.0257	7.6949	7.5214	8.0580	4.9757	-0.0937	-0.0499	4.2301
Granville	202	197	194	197	152	58,919	59,975	61,241	61,406	61,628	3.4284	3.2847	3.1678	3.2082	2.4664	-0.0740	-0.0499	2.0968
Greene	102	104	83	97	97	21,073	21,522	21,301	21,050	20,951	4.8403	4.8323	3.8965	4.6081	4.6299	-0.0020	-0.0499	3.9361

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	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020			
	Guilford	2,044	1,937	1,985	2,007	1,867	521,368	523,962	533,213	539,666	538,431	3.9205	3.6968	3.7227	3.7190			
Halifax	276	214	257	181	212	52,062	51,815	51,704	51,194	50,898	5.3014	4.1301	4.9706	3.5356	4.1652	-0.0320	-0.0320	3.7652
Harnett	358	364	388	391	351	128,597	130,847	133,869	135,239	136,705	2.7839	2.7819	2.8984	2.8912	2.5676	-0.0183	-0.0499	2.1828
Haywood	405	385	392	416	341	61,126	62,277	62,959	63,328	63,481	6.6257	6.1821	6.2263	6.5690	5.3717	-0.0468	-0.0468	4.6182
Henderson	779	765	714	669	599	113,806	116,173	117,312	118,312	118,563	6.8450	6.5850	6.0863	5.6545	5.0522	-0.0728	-0.0499	4.2951
Hertford	133	142	131	133	83	24,402	23,947	24,031	24,037	23,720	5.4504	5.9298	5.4513	5.5331	3.4992	-0.0863	-0.0499	2.9748
Hoke	117	119	108	112	92	52,833	53,343	54,923	54,842	54,682	2.2145	2.2308	1.9664	2.0422	1.6825	-0.0622	-0.0499	1.4303
Hyde	46	41	40	37	32	5,678	5,644	5,449	5,181	5,119	8.1014	7.2644	7.3408	7.1415	6.2512	-0.0612	-0.0499	5.3145
Iredell	522	518	481	486	413	173,206	176,563	179,330	181,380	183,309	3.0138	2.9338	2.6822	2.6795	2.2530	-0.0681	-0.0499	1.9154
Jackson	156	141	163	168	178	41,909	43,116	44,272	44,335	44,354	3.7224	3.2702	3.6818	3.7893	4.0132	0.0232	-0.0499	3.4118
Johnston	494	522	527	525	506	188,761	194,705	199,768	205,951	211,626	2.6171	2.6810	2.6381	2.5492	2.3910	-0.0218	-0.0499	2.0327
Jones	59	55	52	56	39	10,424	10,356	10,100	10,196	10,067	5.6600	5.3109	5.1485	5.4923	3.8740	-0.0800	-0.0499	3.2935
Lee	268	241	244	251	227	58,907	59,337	60,097	61,690	61,663	4.5495	4.0615	4.0601	4.0687	3.6813	-0.0502	-0.0502	3.1271
Lenoir	300	292	305	318	286	58,273	57,477	57,232	56,372	56,876	5.1482	5.0803	5.3292	5.6411	5.0285	-0.0036	-0.0499	4.2750
Lincoln	268	261	268	249	236	82,475	83,251	84,608	86,453	88,699	3.2495	3.1351	3.1675	2.8802	2.6607	-0.0479	-0.0479	2.2780
Macon	142	144	147	137	126	35,091	35,413	36,117	36,498	37,014	4.0466	4.0663	4.0701	3.7536	3.4041	-0.0413	-0.0413	2.9827
Madison	175	171	163	173	171	21,818	22,240	22,523	22,602	22,500	8.0209	7.6888	7.2370	7.6542	7.6000	-0.0124	-0.0499	6.4612
Martin	103	99	102	105	100	23,649	23,510	23,290	23,150	22,904	4.3554	4.2110	4.3796	4.5356	4.3660	0.0013	-0.0499	3.7118
McDowell	212	196	193	213	173	45,485	45,716	46,358	46,684	46,530	4.6609	4.2873	4.1633	4.5626	3.7180	-0.0496	-0.0496	3.1651
Mecklenburg	2,831	2,743	2,765	2,816	2,181	1,055,826	1,077,301	1,093,708	1,108,107	1,118,775	2.6813	2.5462	2.5281	2.5413	1.9495	-0.0713	-0.0499	1.6573
Mitchell	97	90	88	97	86	15,328	15,237	15,234	15,239	15,112	6.3283	5.9067	5.7766	6.3652	5.6908	-0.0232	-0.0499	4.8381
Montgomery	101	95	96	99	80	27,894	27,865	27,926	27,666	27,753	3.6209	3.4093	3.4377	3.5784	2.8826	-0.0509	-0.0509	2.4424
Moore	615	569	559	550	512	95,789	97,597	99,310	101,180	102,814	6.4204	5.8301	5.6288	5.4359	4.9799	-0.0612	-0.0499	4.2337
Nash	394	388	381	388	335	94,280	94,365	95,072	95,647	96,669	4.1790	4.1117	4.0075	4.0566	3.4654	-0.0437	-0.0437	3.0108
New Hanover	892	900	937	901	807	223,152	227,261	233,595	235,560	235,231	3.9973	3.9602	4.0112	3.8249	3.4307	-0.0365	-0.0365	3.0552
Northampton	115	120	104	136	130	21,037	20,709	20,711	20,527	20,054	5.4666	5.7946	5.0215	6.6254	6.4825	0.0561	-0.0499	5.5111
Onslow	235	239	227	235	204	196,830	195,621	198,783	201,548	210,056	1.1939	1.2218	1.1419	1.1660	0.9712	-0.0470	-0.0470	0.8342
Orange	309	293	299	348	319	141,704	142,365	144,372	147,093	147,907	2.1806	2.0581	2.0710	2.3659	2.1568	0.0010	-0.0499	1.8336
Pamlico	75	69	74	79	68	13,177	13,268	13,273	13,266	13,277	5.6917	5.2005	5.5752	5.9551	5.1216	-0.0215	-0.0499	4.3542
Pasquotank	220	214	227	202	203	39,959	40,598	39,826	39,731	39,952	5.5056	5.2712	5.6998	5.0842	5.0811	-0.0175	-0.0499	4.3197
Pender	233	225	217	234	218	59,105	60,999	62,359	63,406	63,949	3.9421	3.6886	3.4799	3.6905	3.4090	-0.0342	-0.0342	3.0596
Perquimans	63	51	49	52	54	13,699	13,546	13,729	13,639	13,807	4.5989	3.7649	3.5691	3.8126	3.9111	-0.0348	-0.0348	3.5024
Person	185	171	163	162	147	39,712	39,868	40,014	40,370	40,450	4.6585	4.2892	4.0736	4.0129	3.6341	-0.0597	-0.0499	3.0896
Pitt	466	503	473	471	417	176,311	176,424	179,388	179,731	183,285	2.6431	2.8511	2.6367	2.6206	2.2751	-0.0336	-0.0336	2.0458
Polk	173	180	173	168	147	20,927	21,154	21,468	21,696	21,923	8.2668	8.5090	8.0585	7.7434	6.7053	-0.0492	-0.0492	5.7155
Randolph	624	612	570	534	475	143,091	144,672	143,907	144,914	145,246	4.3609	4.2303	3.9609	3.6849	3.2703	-0.0690	-0.0499	2.7803
Richmond	189	161	159	170	168	45,301	44,892	45,032	45,079	45,014	4.1721	3.5864	3.5308	3.7712	3.7322	-0.0245	-0.0499	3.1729
Robeson	480	459	446	388	345	133,117	132,020	131,303	131,056	131,238	3.6059	3.4767	3.3967	2.9606	2.6288	-0.0748	-0.0499	2.2349
Rockingham	528	517	524	534	409	91,981	91,790	91,273	91,788	91,915	5.7403	5.6324	5.7410	5.8178	4.4498	-0.0553	-0.0553	3.7112
Rowan	840	794	807	810	690	140,963	141,917	142,342	142,643	143,274	5.9590	5.5948	5.6694	5.6785	4.8159	-0.0495	-0.0495	4.1005

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	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020			
	Rutherford	376	362	347	369	321	67,665	67,796	68,772	68,908	69,049	5.5568	5.3395	5.0457	5.3550	4.6489	-0.0412	-0.0412
Sampson	227	218	198	205	156	63,993	63,143	64,019	64,284	64,053	3.5473	3.4525	3.0928	3.1890	2.4355	-0.0840	-0.0499	2.0705
Scotland	184	177	172	182	147	35,626	35,686	35,802	35,732	35,724	5.1648	4.9599	4.8042	5.0935	4.1149	-0.0507	-0.0507	3.4885
Stanly	340	350	334	341	229	61,447	62,443	63,465	63,727	64,691	5.5332	5.6051	5.2627	5.3510	3.5399	-0.0924	-0.0499	3.0095
Stokes	303	292	290	292	294	46,735	46,728	46,604	46,420	46,684	6.4834	6.2489	6.2226	6.2904	6.2977	-0.0071	-0.0499	5.3540
Surry	417	404	424	416	351	73,195	72,843	73,117	73,232	73,548	5.6971	5.5462	5.7989	5.6806	4.7724	-0.0403	-0.0403	4.1954
Swain	96	95	96	90	72	15,106	14,999	14,862	14,275	14,489	6.3551	6.3338	6.4594	6.3047	4.9693	-0.0548	-0.0548	4.1520
Transylvania	202	183	166	148	123	34,056	34,464	35,034	35,484	35,511	5.9314	5.3099	4.7383	4.1709	3.4637	-0.1254	-0.0499	2.9447
Tyrrell *	0	0	0	0	0	4,215	4,138	4,309	4,259	3,767	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0499	0.0000
Union	572	583	559	501	545	224,030	228,171	232,814	237,287	238,740	2.5532	2.5551	2.4011	2.1114	2.2828	-0.0248	-0.0499	1.9407
Vance	212	214	218	211	161	45,113	44,862	45,157	45,969	45,435	4.6993	4.7702	4.8276	4.5900	3.5435	-0.0625	-0.0499	3.0125
Wake	2,002	2,009	2,002	2,017	1,741	1,029,789	1,048,771	1,073,993	1,089,579	1,102,782	1.9441	1.9156	1.8641	1.8512	1.5787	-0.0489	-0.0489	1.3471
Warren	111	114	105	96	75	20,469	20,133	20,174	20,022	19,767	5.4228	5.6623	5.2047	4.7947	3.7942	-0.0810	-0.0499	3.2257
Washington	98	92	103	104	89	12,508	12,349	12,239	12,071	12,039	7.8350	7.4500	8.4157	8.6157	7.3926	-0.0094	-0.0499	6.2849
Watauga	168	175	171	161	129	54,340	56,170	57,646	57,899	57,011	3.0916	3.1155	2.9664	2.7807	2.2627	-0.0723	-0.0499	1.9237
Wayne	415	411	382	399	310	124,900	124,945	124,658	125,825	126,339	3.3227	3.2894	3.0644	3.1711	2.4537	-0.0675	-0.0499	2.0860
Wilkes	365	311	339	315	294	69,663	70,536	69,907	70,200	70,263	5.2395	4.4091	4.8493	4.4872	4.1843	-0.0502	-0.0502	3.5540
Wilson	361	343	333	315	264	82,152	82,035	81,968	82,282	83,495	4.3943	4.1811	4.0626	3.8283	3.1619	-0.0772	-0.0499	2.6881
Yadkin	189	172	175	176	165	37,521	37,687	38,477	38,196	38,145	5.0372	4.5639	4.5482	4.6078	4.3256	-0.0364	-0.0364	3.8534
Yancey	86	81	81	92	81	17,980	18,199	18,363	18,623	18,909	4.7831	4.4508	4.4110	4.9401	4.2837	-0.0228	-0.0499	3.6418
State Total	37,592	36,740	36,573	36,480	31,730	10,158,475	10,272,692	10,401,960	10,508,254	10,587,440	3.7006	3.5765	3.5160	3.4716	2.9969	-0.0499		

* Camden and Tyrrell counties have no Nursing Home Beds.