

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
	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019			
	Alamance	756	774	762	761	742	157,624	159,371	161,076	165,749	170,483	4.7962	4.8566	4.7307	4.5913			
Alexander	128	115	109	104	99	38,302	38,054	38,452	38,390	38,530	3.3419	3.0220	2.8347	2.7090	2.5694	-0.0634	-0.0145	2.4575
Alleghany	85	83	75	67	62	11,159	11,255	11,233	11,466	11,466	7.6172	7.3745	6.6768	5.8434	5.4073	-0.0815	-0.0145	5.1717
Anson	147	145	152	149	151	26,469	26,155	25,626	25,460	25,290	5.5537	5.5439	5.9315	5.8523	5.9707	0.0188	-0.0145	5.7106
Ashe	109	118	112	117	125	27,482	27,318	27,218	27,551	27,861	3.9662	4.3195	4.1149	4.2467	4.4866	0.0326	-0.0145	4.2911
Avery	90	85	84	79	74	17,902	17,837	18,072	17,913	18,022	5.0274	4.7654	4.6481	4.4102	4.1061	-0.0492	-0.0145	3.9272
Beaufort	250	254	244	245	252	47,718	47,827	47,547	47,438	47,480	5.2391	5.3108	5.1318	5.1646	5.3075	0.0035	0.0035	5.3634
Bertie	115	115	114	105	100	20,361	20,413	19,881	19,732	19,636	5.6481	5.6337	5.7341	5.3213	5.0927	-0.0249	-0.0249	4.7120
Bladen	154	161	134	146	143	35,152	35,011	34,393	34,298	34,497	4.3810	4.5986	3.8961	4.2568	4.1453	-0.0092	-0.0092	4.0312
Brunswick	404	430	435	386	446	121,577	125,712	131,726	136,126	142,088	3.3230	3.4205	3.3023	2.8356	3.1389	-0.0099	-0.0099	3.0457
Buncombe	1,498	1,513	1,521	1,443	1,527	254,344	257,931	261,532	262,483	264,056	5.8897	5.8659	5.8157	5.4975	5.7829	-0.0038	-0.0038	5.7161
Burke	428	432	422	406	413	89,198	89,274	90,246	91,555	91,810	4.7983	4.8390	4.6761	4.4345	4.4984	-0.0156	-0.0156	4.2878
Cabarrus	562	582	572	591	636	195,999	200,595	205,473	209,303	212,917	2.8674	2.9014	2.7838	2.8237	2.9871	0.0109	-0.0145	2.8570
Caldwell	327	318	327	341	337	82,391	82,691	83,303	83,597	83,417	3.9689	3.8456	3.9254	4.0791	4.0399	0.0048	0.0048	4.0983
Camden *	0	0	0	0	0	10,349	10,223	10,359	10,414	10,611	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Carteret	299	310	330	259	244	69,530	70,115	70,190	70,619	71,163	4.3003	4.4213	4.7015	3.6676	3.4287	-0.0484	-0.0145	3.2794
Caswell	135	134	113	113	114	23,643	23,615	23,699	23,309	23,664	5.7099	5.6744	4.7681	4.8479	4.8174	-0.0389	-0.0145	4.6076
Catawba	653	681	647	647	650	156,182	156,106	156,949	157,978	159,494	4.1810	4.3624	4.1224	4.0955	4.0754	-0.0058	-0.0058	4.0049
Chatham	364	360	338	339	347	69,851	73,176	74,835	74,491	75,994	5.2111	4.9196	4.5166	4.5509	4.5661	-0.0317	-0.0317	4.1315
Cherokee	172	161	170	158	150	27,487	27,878	29,216	29,288	29,630	6.2575	5.7752	5.8187	5.3947	5.0624	-0.0510	-0.0145	4.8419
Chowan	92	92	84	91	89	14,670	14,418	14,292	14,123	14,114	6.2713	6.3809	5.8774	6.4434	6.3058	0.0034	0.0034	6.3697
Clay	71	80	77	86	77	10,886	11,089	11,488	11,646	11,860	6.5221	7.2144	6.7026	7.3845	6.4924	0.0040	0.0040	6.5709
Cleveland	438	457	453	457	443	98,246	97,997	98,580	98,717	99,776	4.4582	4.6634	4.5953	4.6294	4.4399	-0.0005	-0.0005	4.4330
Columbus	255	263	255	256	179	57,579	57,095	56,941	56,505	56,290	4.4287	4.6064	4.4783	4.5306	3.1800	-0.0685	-0.0145	3.0414
Craven	395	383	392	401	390	105,052	103,256	103,735	103,569	103,779	3.7600	3.7092	3.7789	3.8718	3.7580	0.0001	0.0001	3.7593
Cumberland	965	990	973	984	921	331,238	327,820	329,604	329,079	332,455	2.9133	3.0199	2.9520	2.9902	2.7703	-0.0116	-0.0116	2.6737
Currituck	84	79	73	59	51	25,616	26,194	26,604	27,321	27,526	3.2792	3.0160	2.7439	2.1595	1.8528	-0.1314	-0.0145	1.7721
Dare	63	70	68	91	86	35,579	36,411	36,792	37,197	37,290	1.7707	1.9225	1.8482	2.4464	2.3062	0.0784	-0.0145	2.2058
Davidson	666	678	667	689	667	164,927	165,953	167,105	167,762	169,468	4.0382	4.0855	3.9915	4.1070	3.9358	-0.0060	-0.0060	3.8649
Davie	164	157	166	158	195	41,475	41,989	42,727	43,193	43,430	3.9542	3.7391	3.8851	3.6580	4.4900	0.0384	-0.0145	4.2944
Duplin	230	252	225	232	192	60,446	59,868	59,513	59,629	59,736	3.8050	4.2093	3.7807	3.8907	3.2141	-0.0351	-0.0145	3.0741
Durham	1,105	1,064	1,100	1,107	1,104	297,807	302,332	306,184	311,649	315,741	3.7105	3.5193	3.5926	3.5521	3.4965	-0.0144	-0.0144	3.3455
Edgecombe	258	257	277	277	262	55,394	54,248	52,856	53,001	52,586	4.6575	4.7375	5.2407	5.2263	4.9823	0.0185	-0.0145	4.7653
Forsyth	1,221	1,336	1,255	1,329	1,344	367,853	369,688	372,651	377,523	379,693	3.3193	3.6139	3.3678	3.5203	3.5397	0.0179	-0.0145	3.3855
Franklin	183	162	165	187	205	63,848	64,925	66,514	67,723	69,112	2.8662	2.4952	2.4807	2.7612	2.9662	0.0130	-0.0145	2.8370
Gaston	860	833	843	826	810	211,936	214,664	218,527	221,607	222,744	4.0578	3.8805	3.8576	3.7273	3.6365	-0.0269	-0.0269	3.3426
Gates	47	48	51	51	58	11,914	11,701	11,960	12,079	12,132	3.9449	4.1022	4.2642	4.2222	4.7807	0.0504	-0.0145	4.5725
Graham	73	70	68	66	70	8,890	8,722	8,837	8,775	8,687	8.2115	8.0257	7.6949	7.5214	8.0580	-0.0038	-0.0038	7.9671
Granville	217	202	197	194	197	58,280	58,919	59,975	61,241	61,406	3.7234	3.4284	3.2847	3.1678	3.2082	-0.0360	-0.0145	3.0684
Greene	99	102	104	83	97	21,309	21,073	21,522	21,301	21,050	4.6459	4.8403	4.8323	3.8965	4.6081	0.0073	0.0073	4.7088

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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
	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019			
	Guilford	2,056	2,044	1,937	1,985	2,007	516,415	521,368	523,962	533,213	539,666	3.9813	3.9205	3.6968	3.7227			
Halifax	280	276	214	257	181	52,876	52,062	51,815	51,704	51,194	5.2954	5.3014	4.1301	4.9706	3.5356	-0.0763	-0.0145	3.3816
Harnett	364	358	364	388	391	127,986	128,597	130,847	133,869	135,239	2.8441	2.7839	2.7819	2.8984	2.8912	0.0044	0.0044	2.9292
Haywood	428	405	385	392	416	60,178	61,126	62,277	62,959	63,328	7.1122	6.6257	6.1821	6.2263	6.5690	-0.0183	-0.0183	6.2085
Henderson	788	779	765	714	669	112,116	113,806	116,173	117,312	118,312	7.0284	6.8450	6.5850	6.0863	5.6545	-0.0527	-0.0145	5.4082
Hertford	126	133	142	131	0	24,501	24,402	23,947	24,031	24,037	5.1426	5.4504	5.9298	5.4513	0.0000	-0.2332	-0.0145	0.0000
Hoke	115	117	119	108	112	51,568	52,833	53,343	54,923	54,842	2.2301	2.2145	2.2308	1.9664	2.0422	-0.0199	-0.0199	1.9203
Hyde	50	46	41	40	37	5,735	5,678	5,644	5,449	5,181	8.7184	8.1014	7.2644	7.3408	7.1415	-0.0477	-0.0145	6.8304
Iredell	539	522	518	481	619	169,281	173,206	176,563	179,330	181,380	3.1841	3.0138	2.9338	2.6822	3.4127	0.0266	-0.0145	3.2641
Jackson	139	156	141	163	168	41,279	41,909	43,116	44,272	44,335	3.3673	3.7224	3.2702	3.6818	3.7893	0.0348	-0.0145	3.6243
Johnston	480	494	522	527	525	183,309	188,761	194,705	199,768	205,951	2.6185	2.6171	2.6810	2.6381	2.5492	-0.0065	-0.0065	2.4997
Jones	59	59	55	52	56	10,490	10,424	10,356	10,100	10,196	5.6244	5.6600	5.3109	5.1485	5.4923	-0.0048	-0.0048	5.4135
Lee	254	268	241	244	251	59,202	58,907	59,337	60,097	61,690	4.2904	4.5495	4.0615	4.0601	4.0687	-0.0113	-0.0113	3.9311
Lenoir	310	300	292	305	318	58,780	58,273	57,477	57,232	56,372	5.2739	5.1482	5.0803	5.3292	5.6411	0.0176	-0.0145	5.3954
Lincoln	262	268	261	268	249	80,810	82,475	83,251	84,608	86,453	3.2422	3.2495	3.1351	3.1675	2.8802	-0.0283	-0.0283	2.6354
Macon	88	142	144	147	137	34,851	35,091	35,413	36,117	36,498	2.5250	4.0466	4.0663	4.0701	3.7536	0.1327	-0.0145	3.5901
Madison	169	175	171	163	173	21,728	21,818	22,240	22,523	22,602	7.7780	8.0209	7.6888	7.2370	7.6542	-0.0028	-0.0028	7.5894
Martin	108	103	99	102	105	23,604	23,649	23,510	23,290	23,150	4.5755	4.3554	4.2110	4.3796	4.5356	-0.0014	-0.0014	4.5166
McDowell	204	212	196	193	213	45,380	45,485	45,716	46,358	46,684	4.4954	4.6609	4.2873	4.1633	4.5626	0.0059	0.0059	4.6435
Mecklenburg	2,729	2,831	2,743	2,765	2,816	1,032,620	1,055,826	1,077,301	1,093,708	1,108,107	2.6428	2.6813	2.5462	2.5281	2.5413	-0.0094	-0.0094	2.4694
Mitchell	109	97	90	88	97	15,826	15,328	15,237	15,234	15,239	6.8874	6.3283	5.9067	5.7766	6.3652	-0.0170	-0.0170	6.0410
Montgomery	98	101	95	96	99	27,842	27,894	27,865	27,926	27,666	3.5199	3.6209	3.4093	3.4377	3.5784	0.0049	0.0049	3.6308
Moore	549	615	569	559	550	94,218	95,789	97,597	99,310	101,180	5.8269	6.4204	5.8301	5.6288	5.4359	-0.0147	-0.0147	5.1957
Nash	368	394	388	381	388	94,331	94,280	94,365	95,072	95,647	3.9012	4.1790	4.1117	4.0075	4.0566	0.0105	-0.0145	3.8799
New Hanover	907	892	900	937	901	220,108	223,152	227,261	233,595	235,560	4.1207	3.9973	3.9602	4.0112	3.8249	-0.0182	-0.0182	3.6161
Northampton	110	115	120	104	136	21,095	21,037	20,709	20,711	20,527	5.2145	5.4666	5.7946	5.0215	6.6254	0.0736	-0.0145	6.3368
Onslow	232	235	239	227	235	194,607	196,830	195,621	198,783	201,548	1.1921	1.1939	1.2218	1.1419	1.1660	-0.0049	-0.0049	1.1489
Orange	284	309	293	299	348	141,599	141,704	142,365	144,372	147,093	2.0057	2.1806	2.0581	2.0710	2.3659	0.0449	-0.0145	2.2628
Pamlico	68	75	69	74	79	13,158	13,177	13,268	13,273	13,266	5.1680	5.6917	5.2005	5.5752	5.9551	0.0388	-0.0145	5.6957
Pasquotank	212	220	214	227	202	39,951	39,959	40,598	39,826	39,731	5.3065	5.5056	5.2712	5.6998	5.0842	-0.0079	-0.0079	4.9631
Pender	234	233	225	217	234	57,693	59,105	60,999	62,359	63,406	4.0560	3.9421	3.6886	3.4799	3.6905	-0.0221	-0.0221	3.4457
Perquimans	58	63	51	49	52	13,566	13,699	13,546	13,729	13,639	4.2754	4.5989	3.7649	3.5691	3.8126	-0.0224	-0.0224	3.5568
Person	181	185	171	163	162	39,322	39,712	39,868	40,014	40,370	4.6030	4.6585	4.2892	4.0736	4.0129	-0.0331	-0.0145	3.8381
Pitt	388	466	503	473	471	175,390	176,311	176,424	179,388	179,731	2.2122	2.6431	2.8511	2.6367	2.6206	0.0480	-0.0145	2.5064
Polk	183	173	180	173	168	20,848	20,927	21,154	21,468	21,696	8.7778	8.2668	8.5090	8.0585	7.7434	-0.0302	-0.0302	7.0408
Randolph	640	624	612	570	534	143,666	143,091	144,672	143,907	144,914	4.4548	4.3609	4.2303	3.9609	3.6849	-0.0461	-0.0145	3.5244
Richmond	162	189	161	159	170	45,521	45,301	44,892	45,032	45,079	3.5588	4.1721	3.5864	3.5308	3.7712	0.0211	-0.0145	3.6069
Robeson	476	480	459	446	388	133,257	133,117	132,020	131,303	131,056	3.5720	3.6059	3.4767	3.3967	2.9606	-0.0444	-0.0145	2.8316
Rockingham	534	528	517	524	534	92,543	91,981	91,790	91,273	91,788	5.7703	5.7403	5.6324	5.7410	5.8178	0.0022	0.0022	5.8555
Rowan	833	840	794	807	810	138,710	140,963	141,917	142,342	142,643	6.0053	5.9590	5.5948	5.6694	5.6785	-0.0135	-0.0135	5.4490

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	Rutherford	354	376	362	347	369	67,466	67,665	67,796	68,772	68,908	5.2471	5.5568	5.3395	5.0457	5.3550	0.0065	0.0065
Sampson	223	227	218	198	205	64,516	63,993	63,143	64,019	64,284	3.4565	3.5473	3.4525	3.0928	3.1890	-0.0184	-0.0184	3.0131
Scotland	168	184	177	172	182	35,804	35,626	35,686	35,802	35,732	4.6922	5.1648	4.9599	4.8042	5.0935	0.0225	-0.0145	4.8716
Stanly	350	340	350	334	341	61,255	61,447	62,443	63,465	63,727	5.7138	5.5332	5.6051	5.2627	5.3510	-0.0157	-0.0157	5.0984
Stokes	300	303	292	290	292	46,787	46,735	46,728	46,604	46,420	6.4120	6.4834	6.2489	6.2226	6.2904	-0.0046	-0.0046	6.2038
Surry	431	417	404	424	416	73,834	73,195	72,843	73,117	73,232	5.8374	5.6971	5.5462	5.7989	5.6806	-0.0063	-0.0063	5.5725
Swain	93	96	95	96	90	14,987	15,106	14,999	14,862	14,275	6.2054	6.3551	6.3338	6.4594	6.3047	0.0042	0.0042	6.3835
Transylvania	219	202	183	166	148	33,738	34,056	34,464	35,034	35,484	6.4912	5.9314	5.3099	4.7383	4.1709	-0.1046	-0.0145	3.9892
Tyrrell *	0	0	0	0	0	4,142	4,215	4,138	4,309	4,259	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Union	530	572	583	559	501	220,546	224,030	228,171	232,814	237,287	2.4031	2.5532	2.5551	2.4011	2.1114	-0.0294	-0.0294	1.9249
Vance	213	212	214	218	211	45,022	45,113	44,862	45,157	45,969	4.7310	4.6993	4.7702	4.8276	4.5900	-0.0072	-0.0072	4.4909
Wake	1,969	2,002	2,009	2,002	2,017	1,005,367	1,029,789	1,048,771	1,073,993	1,089,579	1.9585	1.9441	1.9156	1.8641	1.8512	-0.0140	-0.0140	1.7737
Warren	124	111	114	105	96	20,514	20,469	20,133	20,174	20,022	6.0447	5.4228	5.6623	5.2047	4.7947	-0.0546	-0.0145	4.5859
Washington	104	98	92	103	104	12,646	12,508	12,349	12,239	12,071	8.2239	7.8350	7.4500	8.4157	8.6157	0.0142	-0.0145	8.2404
Watauga	165	168	175	171	161	53,314	54,340	56,170	57,646	57,899	3.0949	3.0916	3.1155	2.9664	2.7807	-0.0259	-0.0259	2.5643
Wayne	425	415	411	382	399	125,912	124,900	124,945	124,658	125,825	3.3754	3.3227	3.2894	3.0644	3.1711	-0.0148	-0.0148	3.0302
Wilkes	375	365	311	339	315	70,000	69,663	70,536	69,907	70,200	5.3571	5.2395	4.4091	4.8493	4.4872	-0.0388	-0.0145	4.2917
Wilson	358	361	343	333	315	81,677	82,152	82,035	81,968	82,282	4.3831	4.3943	4.1811	4.0626	3.8283	-0.0330	-0.0145	3.6615
Yadkin	201	189	172	175	176	37,655	37,521	37,687	38,477	38,196	5.3379	5.0372	4.5639	4.5482	4.6078	-0.0352	-0.0145	4.4071
Yancey	85	86	81	81	92	17,915	17,980	18,199	18,363	18,623	4.7446	4.7831	4.4508	4.4110	4.9401	0.0124	-0.0145	4.7249
State Total	37,023	37,592	36,740	36,573	36,480	10,054,722	10,158,475	10,272,692	10,401,960	10,508,254	3.6822	3.7006	3.5765	3.5160	3.4716	-0.0145		

* Camden and Tyrrell have no Nursing Care Beds.