

Table 11B: County Rate Calculations for Adult Care Home (Assisted Living) Bed Need Determination

A	B					C					D					E	F	G
County	Patients					Populations					Rates					Actual Average Annual Change Rate	Selected Change Rate (County or Adjusted County)	Bed Rate per 1,000
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021			
Alamance	574	559	595	514	409	161,076	165,749	170,483	170,698	173,384	3.5635	3.3726	3.4901	3.0112	2.3589	-0.0931	-0.0931	1.6998
Alexander	68	82	83	52	60	38,452	38,390	38,530	38,524	36,145	1.7684	2.1360	2.1542	1.3498	1.6600	0.0182	0.0182	1.7505
Alleghany	0	0	0	0	0	11,233	11,466	11,466	11,558	10,829	2.8739	2.8239	2.6395	2.5021	2.3279	-0.0511	-0.0511	0.0000
Anson	41	55	59	55	60	25,626	25,460	25,290	23,889	21,904	1.5999	2.1603	2.3329	2.3023	2.7392	0.1517	0.1517	3.9858
Ashe	103	99	97	99	35	27,218	27,551	27,861	28,020	26,444	3.7843	3.5933	3.4816	3.5332	1.3236	-0.1730	-0.1730	0.6365
Avery	89	81	92	90	76	18,072	17,913	18,022	18,182	17,775	4.9247	4.5219	5.1049	4.9500	4.2757	-0.0299	-0.0299	3.8926
Beaufort	114	91	91	84	88	47,547	47,438	47,480	47,400	44,120	2.3976	1.9183	1.9166	1.7722	1.9946	-0.0377	-0.0377	1.7692
Bertie	84	86	85	73	59	19,881	19,732	19,636	19,496	17,598	4.2251	4.3584	4.3288	3.7444	3.3527	-0.0537	-0.0537	2.8123
Bladen	77	73	74	69	65	34,393	34,298	34,497	34,421	28,771	2.2388	2.1284	2.1451	2.0046	2.2592	0.0050	0.0050	2.2932
Brunswick	211	251	225	127	217	131,726	136,126	142,088	147,644	140,411	1.6018	1.8439	1.5835	0.8602	1.5455	0.0875	0.0875	1.9509
Buncombe	841	813	826	728	676	261,532	262,483	264,056	264,408	272,880	3.2157	3.0973	3.1281	2.7533	2.4773	-0.0617	-0.0617	2.0185
Burke	284	268	310	294	235	90,246	91,555	91,810	91,708	86,783	3.1470	2.9272	3.3765	3.2058	2.7079	-0.0306	-0.0306	2.4597
Cabarrus	565	620	456	532	546	205,473	209,303	212,917	216,841	232,083	2.7498	2.9622	2.1417	2.4534	2.3526	-0.0238	-0.0238	2.1845
Caldwell	198	180	188	101	182	83,303	83,597	83,417	84,230	80,171	2.3769	2.1532	2.2537	1.1991	2.2701	0.0945	0.0945	2.9135
Camden	10	11	11	12	11	10,359	10,414	10,611	10,575	10,469	0.9653	1.0563	1.0367	1.1348	1.0507	0.0240	0.0240	1.1265
Carteret	164	191	149	157	152	70,190	70,619	71,163	71,352	67,311	2.3365	2.7047	2.0938	2.2004	2.2582	0.0022	0.0022	2.2732
Caswell	124	113	87	85	72	23,699	23,309	23,664	23,462	22,582	5.2323	4.8479	3.6765	3.6229	3.1884	-0.1124	-0.1124	2.1132
Catawba	518	521	499	501	424	156,949	157,978	159,494	160,732	161,909	3.3004	3.2979	3.1286	3.1170	2.6188	-0.0539	-0.0539	2.1952
Chatham	326	310	353	245	243	74,835	74,491	75,994	77,061	77,747	4.3563	4.1616	4.6451	3.1793	3.1255	-0.0652	-0.0652	2.5138
Cherokee	22	19	19	17	0	29,216	29,288	29,630	29,610	28,873	0.7530	0.6487	0.6412	0.5741	2.3279	0.7000	0.4609	0.0000
Chowan	100	106	94	85	71	14,292	14,123	14,114	14,114	13,640	6.9969	7.5055	6.6601	6.0224	5.2053	-0.0678	-0.0678	4.1458
Clay	46	50	50	48	43	11,488	11,646	11,860	11,759	11,066	4.0042	4.2933	4.2159	4.0820	3.8858	-0.0064	-0.0064	3.8110
Cleveland	319	301	293	315	300	98,580	98,717	99,776	100,814	100,541	3.2360	3.0491	2.9366	3.1246	2.9839	-0.0189	-0.0189	2.8145
Columbus	119	72	84	73	67	56,941	56,505	56,290	56,002	49,307	2.0899	1.2742	1.4923	1.3035	1.3588	-0.0758	-0.0758	1.0498
Craven	352	383	320	345	317	103,735	103,569	103,779	103,016	100,128	3.3933	3.6980	3.0835	3.3490	3.1659	-0.0112	-0.0112	3.0593
Cumberland	543	534	492	573	555	329,604	329,079	332,455	333,531	334,660	1.6474	1.6227	1.4799	1.7180	1.6584	0.0058	0.0058	1.6872
Currituck	63	66	72	53	42	26,604	27,321	27,526	28,048	29,305	2.3681	2.4157	2.6157	1.8896	1.4332	-0.1041	-0.1041	0.9858
Dare	68	73	68	67	67	36,792	37,197	37,290	38,027	37,342	1.8482	1.9625	1.8235	1.7619	1.7942	-0.0061	-0.0061	1.7613
Davidson	493	484	415	432	329	167,105	167,762	169,468	170,370	170,044	2.9502	2.8850	2.4488	2.5357	1.9348	-0.0937	-0.0937	1.3909
Davie	136	146	142	114	99	42,727	43,193	43,430	43,746	43,283	3.1830	3.3802	3.2696	2.6060	2.2873	-0.0740	-0.0740	1.7794
Duplin	287	296	315	278	188	59,513	59,629	59,736	60,177	47,043	4.8225	4.9640	5.2732	4.6197	3.9963	-0.0418	-0.0418	3.4951
Durham	702	751	760	663	685	306,184	311,649	315,741	321,261	329,973	2.2927	2.4098	2.4070	2.0637	2.0759	-0.0217	-0.0217	1.9408
Edgecombe	258	148	144	129	100	52,856	53,001	52,586	52,024	48,104	4.8812	2.7924	2.7384	2.4796	2.0788	-0.1758	-0.1758	0.9821
Forsyth	1,602	1,692	1,527	1,354	1,434	372,651	377,523	379,693	380,964	385,489	4.2989	4.4818	4.0217	3.5541	3.7200	-0.0324	-0.0324	3.3580
Franklin	101	124	153	112	98	66,514	67,723	69,112	71,196	70,436	1.5185	1.8310	2.2138	1.5731	1.3913	0.0025	0.0025	1.4017
Gaston	887	784	706	768	731	218,527	221,607	222,744	224,168	230,378	4.0590	3.5378	3.1696	3.4260	3.1730	-0.0564	-0.0564	2.6366
Gates	42	58	68	2	55	11,960	12,079	12,132	11,908	10,166	3.5117	4.8017	5.6050	0.1680	5.4102	7.6942	0.4609	12.8907

Table 11B: County Rate Calculations for Adult Care Home (Assisted Living) Bed Need Determination

A	B					C					D					E	F	G
County	Patients					Populations					Rates					Actual Average Annual Change Rate	Selected Change Rate (County or Adjusted County)	Bed Rate per 1,000
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021			
Graham	7	8	7	0	0	8,837	8,775	8,687	8,642	7,967	0.7921	0.9117	0.8058	2.5021	2.3279	0.5176	0.4609	0.0000
Granville	66	113	74	105	100	59,975	61,241	61,406	61,628	61,410	1.1005	1.8452	1.2051	1.7038	1.6284	0.1749	0.1749	2.4826
Greene	41	49	41	40	34	21,522	21,301	21,050	20,951	20,372	1.9050	2.3004	1.9477	1.9092	1.6690	-0.0228	-0.0228	1.5546
Guilford	1,614	1,551	1,587	1,375	1,318	523,962	533,213	539,666	538,431	547,379	3.0804	2.9088	2.9407	2.5537	2.4078	-0.0584	-0.0584	1.9863
Halifax	45	63	111	91	105	51,815	51,704	51,194	50,898	47,873	0.8685	1.2185	2.1682	1.7879	2.1933	0.3085	0.3085	4.2229
Harnett	515	482	452	448	397	130,847	133,869	135,239	136,705	134,847	3.9359	3.6005	3.3422	3.2771	2.9441	-0.0695	-0.0695	2.3301
Haywood	256	234	221	209	193	62,277	62,959	63,328	63,481	62,403	4.1107	3.7167	3.4898	3.2923	3.0928	-0.0685	-0.0685	2.4570
Henderson	342	328	404	385	396	116,173	117,312	118,312	118,563	117,408	2.9439	2.7960	3.4147	3.2472	3.3729	0.0402	0.0402	3.7793
Hertford	132	129	134	116	115	23,947	24,031	24,037	23,720	19,871	5.5122	5.3681	5.5747	4.8904	5.7873	0.0183	0.0183	6.1042
Hoke	128	74	144	125	129	53,343	54,923	54,842	54,682	52,331	2.3996	1.3473	2.6257	2.2859	2.4651	0.1148	0.1148	3.3142
Hyde*	24	0	0	0	0	5,644	5,449	5,181	5,119	4,482	4.2523	2.8239	2.6395	2.5021	2.3279	-0.1307	-0.1307	0.0000
Iredell	701	672	643	674	658	176,563	179,330	181,380	183,309	191,180	3.9703	3.7473	3.5450	3.6769	3.4418	-0.0342	-0.0342	3.0884
Jackson	108	101	107	97	93	43,116	44,272	44,335	44,354	43,147	2.5049	2.2814	2.4134	2.1870	2.1554	-0.0349	-0.0349	1.9298
Johnston	396	411	378	323	369	194,705	199,768	205,951	211,626	223,975	2.0338	2.0574	1.8354	1.5263	1.6475	-0.0463	-0.0463	1.4185
Jones	15	13	11	11	13	10,356	10,100	10,196	10,067	8,947	1.4484	1.2871	1.0789	1.0927	1.4530	0.0173	0.0173	1.5286
Lee	196	183	171	163	165	59,337	60,097	61,690	61,663	64,278	3.3032	3.0451	2.7719	2.6434	2.5670	-0.0608	-0.0608	2.0989
Lenoir	257	224	251	214	230	57,477	57,232	56,372	56,876	54,783	4.4714	3.9139	4.4526	3.7626	4.1984	-0.0065	-0.0065	4.1159
Lincoln	278	282	280	262	156	83,251	84,608	86,453	88,699	88,298	3.3393	3.3330	3.2388	2.9538	1.7667	-0.1300	-0.1300	1.0777
Macon	148	150	152	140	126	35,413	36,117	36,498	37,014	37,430	4.1793	4.1532	4.1646	3.7824	3.3663	-0.0513	-0.0513	2.8480
Madison	64	66	66	59	65	22,240	22,523	22,602	22,500	21,205	2.8777	2.9303	2.9201	2.6222	3.0653	0.0204	0.0204	3.2533
Martin	147	139	64	109	88	23,510	23,290	23,150	22,904	21,713	6.2527	5.9682	2.7646	4.7590	4.0529	-0.0023	-0.0023	4.0248
McDowell	300	296	292	261	259	45,716	46,358	46,684	46,530	44,350	6.5623	6.3851	6.2548	5.6093	5.8399	-0.0274	-0.0274	5.3603
Mecklenburg	2,390	2,370	1,892	2,208	1,946	1,077,301	1,093,708	1,108,107	1,118,775	1,133,504	2.2185	2.1669	1.7074	1.9736	1.7168	-0.0524	-0.0524	1.4470
Mitchell	64	73	78	70	68	15,237	15,234	15,239	15,112	14,836	4.2003	4.7919	5.1184	4.6321	4.5834	0.0259	0.0259	4.9391
Montgomery	149	140	138	135	108	27,865	27,926	27,666	27,753	25,705	5.3472	5.0132	4.9881	4.8643	4.2015	-0.0571	-0.0571	3.4813
Moore	509	502	499	423	383	97,597	99,310	101,180	102,814	101,649	5.2153	5.0549	4.9318	4.1142	3.7679	-0.0763	-0.0763	2.9058
Nash	302	303	303	274	237	94,365	95,072	95,647	96,669	95,116	3.2003	3.1871	3.1679	2.8344	2.4917	-0.0591	-0.0591	2.0500
New Hanover	707	681	684	641	594	227,261	233,595	235,560	235,231	227,782	3.1110	2.9153	2.9037	2.7250	2.6078	-0.0429	-0.0429	2.2725
Northampton	163	159	159	137	116	20,709	20,711	20,527	20,054	16,796	7.8710	7.6771	7.7459	6.8316	6.9064	-0.0307	-0.0307	6.2706
Onslow	257	264	164	161	184	195,621	198,783	201,548	210,056	206,718	1.3138	1.3281	0.8137	0.7665	0.8901	-0.0683	-0.0683	0.7077
Orange	366	361	362	322	329	142,365	144,372	147,093	147,907	150,258	2.5709	2.5005	2.4610	2.1770	2.1896	-0.0382	-0.0382	1.9387
Pamlico	40	52	67	42	39	13,268	13,273	13,266	13,277	12,140	3.0148	3.9177	5.0505	3.1634	3.2125	0.0576	0.0576	3.7680
Pasquotank	182	181	187	169	155	40,598	39,826	39,731	39,952	40,743	4.4830	4.5448	4.7067	4.2301	3.8043	-0.0381	-0.0381	3.3692
Pender	102	122	117	103	86	60,999	62,359	63,406	63,949	61,105	1.6722	1.9564	1.8453	1.6107	1.4074	-0.0350	-0.0350	1.2595
Perquimans	20	24	22	22	67	13,546	13,729	13,639	13,807	12,847	1.4765	1.7481	1.6130	1.5934	5.2152	0.5919	0.4609	12.4262
Person	161	156	151	153	70	39,868	40,014	40,370	40,450	39,044	4.0383	3.8986	3.7404	3.7824	1.7928	-0.1475	-0.1475	0.9996
Pitt	437	469	453	418	419	176,424	179,388	179,731	183,285	170,276	2.4770	2.6144	2.5204	2.2806	2.4607	0.0008	0.0008	2.4669

Table 11B: County Rate Calculations for Adult Care Home (Assisted Living) Bed Need Determination

A	B					C					D					E	F	G
County	Patients					Populations					Rates					Actual Average Annual Change Rate	Selected Change Rate (County or Adjusted County)	Bed Rate per 1,000
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021			
Polk	117	104	103	109	100	21,154	21,468	21,696	21,923	18,957	5.5309	4.8444	4.7474	4.9719	5.2751	-0.0090	-0.0090	5.1332
Randolph	396	400	341	352	327	144,672	143,907	144,914	145,246	144,818	2.7372	2.7796	2.3531	2.4235	2.2580	-0.0441	-0.0441	1.9594
Richmond	134	146	146	136	111	44,892	45,032	45,079	45,014	42,475	2.9849	3.2421	3.2388	3.0213	2.6133	-0.0293	-0.0293	2.3839
Robeson	328	385	363	349	249	132,020	131,303	131,056	131,238	113,699	2.4845	2.9321	2.7698	2.6593	2.1900	-0.0229	-0.0229	2.0396
Rockingham	283	278	252	247	239	91,790	91,273	91,788	91,915	91,113	3.0831	3.0458	2.7455	2.6873	2.6231	-0.0389	-0.0389	2.3166
Rowan	521	443	442	412	381	141,917	142,342	142,643	143,274	147,817	3.6712	3.1122	3.0986	2.8756	2.5775	-0.0831	-0.0831	1.9352
Rutherford	300	320	322	293	291	67,796	68,772	68,908	69,049	64,178	4.4250	4.6531	4.6729	4.2434	4.5343	0.0081	0.0081	4.6445
Sampson	187	186	190	161	105	63,143	64,019	64,284	64,053	58,309	2.9615	2.9054	2.9556	2.5135	1.8008	-0.1087	-0.1087	1.2135
Scotland	145	95	101	75	19	35,686	35,802	35,732	35,724	33,682	4.0632	2.6535	2.8266	2.0994	0.5641	-0.3176	-0.3176	0.0267
Stanly	182	173	182	150	159	62,443	63,465	63,727	64,691	62,220	2.9147	2.7259	2.8559	2.3187	2.5554	-0.0258	-0.0258	2.3579
Stokes	221	220	221	207	118	46,728	46,604	46,420	46,684	44,344	4.7295	4.7206	4.7609	4.4341	2.6610	-0.1155	-0.1155	1.7392
Surry	355	387	336	348	231	72,843	73,117	73,232	73,548	71,195	4.8735	5.2929	4.5882	4.7316	3.2446	-0.0825	-0.0825	2.4413
Swain	0	21	43	47	47	14,999	14,862	14,275	14,489	14,059	2.8739	1.4130	3.0123	3.2438	3.3431	0.1827	0.1827	5.1757
Transylvania	79	98	96	81	86	34,464	35,034	35,484	35,511	32,785	2.2922	2.7973	2.7054	2.2810	2.6232	0.0452	0.0452	2.9785
Tyrrell**	18	49	42	40	36	4,138	4,309	4,259	3,767	3,101	4.3499	11.3715	9.8615	10.6185	11.6092	0.4129	0.4129	25.9882
Union	425	416	400	363	313	228,171	232,814	237,287	238,740	242,651	1.8626	1.7868	1.6857	1.5205	1.2899	-0.0867	-0.0867	0.9543
Vance	49	45	42	37	27	44,862	45,157	45,969	45,435	42,096	1.0922	0.9965	0.9137	0.8144	0.6414	-0.1230	-0.1230	0.4048
Wake	2,199	2,219	1,823	2,114	1,970	1,048,771	1,073,993	1,089,579	1,102,782	1,156,274	2.0967	2.0661	1.6731	1.9170	1.7037	-0.0426	-0.0426	1.4861
Warren	78	73	78	66	22	20,133	20,174	20,022	19,767	18,319	3.8742	3.6185	3.8957	3.3389	1.2009	-0.1932	-0.1932	0.5050
Washington	42	41	45	41	39	12,349	12,239	12,071	12,039	10,818	3.4011	3.3499	3.7279	3.4056	3.6051	0.0175	0.0175	3.7941
Watauga	104	105	101	87	93	56,170	57,646	57,899	57,011	53,639	1.8515	1.8215	1.7444	1.5260	1.7338	-0.0119	-0.0119	1.6720
Wayne	497	511	529	460	409	124,945	124,658	125,825	126,339	116,094	3.9778	4.0992	4.2043	3.6410	3.5230	-0.0276	-0.0276	3.2318
Wilkes	166	179	183	153	150	70,536	69,907	70,200	70,263	65,378	2.3534	2.5605	2.6068	2.1775	2.2943	-0.0012	-0.0012	2.2858
Wilson	375	374	293	236	241	82,035	81,968	82,282	83,495	78,284	4.5712	4.5628	3.5609	2.8265	3.0785	-0.0846	-0.0846	2.2970
Yadkin	82	113	115	108	101	37,687	38,477	38,196	38,145	37,081	2.1758	2.9368	3.0108	2.8313	2.7238	0.0693	0.0693	3.2903
Yancey	80	77	80	88	60	18,199	18,363	18,623	18,909	18,557	4.3958	4.1932	4.2958	4.6539	3.2333	-0.0609	-0.0609	2.6427
State Total	29,523	29,374	27,737	26,491	24,525	10,272,692	10,401,960	10,508,254	10,587,440	10,535,205	2.8739	2.8239	2.6395	2.5021	2.3279	-0.0511		

* The 2017 patient data point for Hyde County is hypothetical and based on the proportion of the Hyde/Tyrrell service area 2017 population that was located in Hyde County (57.7%) of the total number of ACH patients served by Tyrrell House according to the 2017 facility census data (42). Therefore, the methodology assumes that 57.7% of the 42 patients in Tyrrell House were from Hyde County.

** The 2017 patient data point for Tyrrell County is hypothetical and based on the proportion of the Hyde/Tyrrell service area 2017 population that was located in Tyrrell County (42.3%) of the total number of ACH patients served by Tyrrell House according to the 2017 facility census data (42). Therefore, the methodology assumes that 42.3% of the 42 patients in Tyrrell House were from Tyrrell County.