

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

A County	B Patients					C Populations					D Rates					E Actual Average Annual Change Rate	F Selected Change Rate (County or Adjusted County)	G Bed Rate per 1,000
	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022			
	Alamance	559	595	514	409	478	165,749	170,483	170,698	173,384	177,141	3.3726	3.4901	3.0112	2.3589			
Alexander	82	83	52	60	70	38,390	38,530	38,524	36,145	36,429	2.1360	2.1542	1.3498	1.6600	1.9215	0.0056	0.0056	1.9539
Alleghany	0	0	0	0	22	11,466	11,466	11,558	10,829	11,132	2.8239	2.6395	2.5021	2.3279	1.9763	-0.0845	-0.0845	1.4753
Anson	55	59	55	60	0	25,460	25,290	23,889	21,904	21,502	2.1603	2.3329	2.3023	2.7392	2.3874	0.0320	0.0320	0.0000
Ashe	99	97	99	35	34	27,551	27,861	28,020	26,444	26,653	3.5933	3.4816	3.5332	1.3236	1.2757	-0.1695	-0.1695	0.6271
Avery	81	92	90	76	84	17,913	18,022	18,182	17,775	17,951	4.5219	5.1049	4.9500	4.2757	4.6794	0.0142	0.0142	4.8787
Beaufort	91	91	84	88	52	47,438	47,480	47,400	44,120	44,395	1.9183	1.9166	1.7722	1.9946	1.1713	-0.0909	-0.0909	0.8520
Bertie	86	85	73	59	38	19,732	19,636	19,496	17,598	16,933	4.3584	4.3288	3.7444	3.3527	2.2441	-0.1443	-0.1443	1.2729
Bladen	73	74	69	65	64	34,298	34,497	34,421	28,771	29,195	2.1284	2.1451	2.0046	2.2592	2.1922	0.0099	0.0099	2.2574
Brunswick	251	225	127	217	225	136,126	142,088	147,644	140,411	150,848	1.8439	1.5835	0.8602	1.5455	1.4916	0.0410	0.0410	1.6748
Buncombe	813	826	728	676	725	262,483	264,056	264,408	272,880	274,361	3.0973	3.1281	2.7533	2.4773	2.6425	-0.0359	-0.0359	2.3582
Burke	268	310	294	235	276	91,555	91,810	91,708	86,783	87,412	2.9272	3.3765	3.2058	2.7079	3.1575	0.0284	0.0284	3.4266
Cabarrus	620	456	532	546	579	209,303	212,917	216,841	232,083	235,654	2.9622	2.1417	2.4534	2.3526	2.4570	-0.0320	-0.0320	2.2208
Caldwell	180	188	101	182	176	83,597	83,417	84,230	80,171	80,975	2.1532	2.2537	1.1991	2.2701	2.1735	0.1073	0.1073	2.8735
Camden	11	11	12	11	11	10,414	10,611	10,575	10,469	10,915	1.0563	1.0367	1.1348	1.0507	1.0078	-0.0097	-0.0097	0.9784
Carteret	191	149	157	152	149	70,619	71,163	71,352	67,311	68,813	2.7047	2.0938	2.2004	2.2582	2.1653	-0.0475	-0.0475	1.8570
Caswell	113	87	85	72	89	23,309	23,664	23,462	22,582	22,339	4.8479	3.6765	3.6229	3.1884	3.9841	-0.0316	-0.0316	3.6058
Catawba	521	499	501	424	457	157,978	159,494	160,732	161,909	162,790	3.2979	3.1286	3.1170	2.6188	2.8073	-0.0357	-0.0357	2.5064
Chatham	310	353	245	243	288	74,491	75,994	77,061	77,747	78,450	4.1616	4.6451	3.1793	3.1255	3.6711	-0.0104	-0.0104	3.5563
Cherokee	19	19	17	0	0	29,288	29,630	29,610	28,873	29,177	0.6487	0.6412	0.5741	2.3279	2.3874	0.7410	0.4627	0.0000
Chowan	106	94	85	71	75	14,123	14,114	14,114	13,640	13,677	7.5055	6.6601	6.0224	5.2053	5.4837	-0.0726	-0.0726	4.2886
Clay	50	50	48	43	40	11,646	11,860	11,759	11,066	11,415	4.2933	4.2159	4.0820	3.8858	3.5042	-0.0490	-0.0490	2.9889
Cleveland	301	293	315	300	300	98,717	99,776	100,814	100,541	101,874	3.0491	2.9366	3.1246	2.9839	2.9448	-0.0078	-0.0078	2.8763
Columbus	72	84	73	67	68	56,505	56,290	56,002	49,307	50,043	1.2742	1.4923	1.3035	1.3588	1.3588	0.0218	0.0218	1.4476
Craven	383	320	345	317	326	103,569	103,779	103,016	100,128	102,032	3.6980	3.0835	3.3490	3.1659	3.1951	-0.0314	-0.0314	2.8943
Cumberland	534	492	573	555	541	329,079	332,455	333,531	334,660	343,588	1.6227	1.4799	1.7180	1.6584	1.5746	-0.0031	-0.0031	1.5600
Currituck	66	72	53	42	45	27,321	27,526	28,048	29,305	30,904	2.4157	2.6157	1.8896	1.4332	1.4561	-0.1051	-0.1051	0.9971
Dare	73	68	67	67	60	37,197	37,290	38,027	37,342	37,937	1.9625	1.8235	1.7619	1.7942	1.5816	-0.0512	-0.0512	1.3386
Davidson	484	415	432	329	339	167,762	169,468	170,370	170,044	172,093	2.8850	2.4488	2.5357	1.9348	1.9699	-0.0836	-0.0836	1.4756
Davie	146	142	114	99	109	43,193	43,430	43,746	43,283	43,754	3.3802	3.2696	2.6060	2.2873	2.4912	-0.0672	-0.0672	1.9889
Duplin	296	315	278	188	206	59,629	59,736	60,177	47,043	48,747	4.9640	5.2732	4.6197	3.9963	4.2259	-0.0348	-0.0348	3.7849
Durham	751	760	663	685	668	311,649	315,741	321,261	329,973	332,576	2.4098	2.4070	2.0637	2.0759	2.0086	-0.0426	-0.0426	1.7520
Edgecombe	148	144	129	100	167	53,001	52,586	52,024	48,104	47,707	2.7924	2.7384	2.4796	2.0788	3.5005	0.1021	0.1021	4.5728
Forsyth	1,692	1,527	1,354	1,434	1,352	377,523	379,693	380,964	385,489	386,047	4.4818	4.0217	3.5541	3.7200	3.5022	-0.0577	-0.0577	2.8959
Franklin	124	153	112	98	172	67,723	69,112	71,196	70,436	73,371	1.8310	2.2138	1.5731	1.3913	2.3443	0.1223	0.1223	3.2040
Gaston	784	706	768	731	783	221,607	222,744	224,168	230,378	237,542	3.5378	3.1696	3.4260	3.1730	3.2963	-0.0145	-0.0145	3.1524
Gates	58	68	2	55	50	12,079	12,132	11,908	10,166	10,312	4.8017	5.6050	0.1680	5.4102	4.8487	7.5764	0.4627	11.5794

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	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022			
	Graham	8	7	0	0	0	8,775	8,687	8,642	7,967	8,052	0.9117	0.8058	2.5021	2.3279			
Granville	113	74	105	100	129	61,241	61,406	61,628	61,410	62,050	1.8452	1.2051	1.7038	1.6284	2.0790	0.0748	0.0748	2.5458
Greene	49	41	40	34	38	21,301	21,050	20,951	20,372	20,119	2.3004	1.9477	1.9092	1.6690	1.8888	-0.0418	-0.0418	1.6519
Guilford	1,551	1,587	1,375	1,318	1,384	533,213	539,666	538,431	547,379	544,278	2.9088	2.9407	2.5537	2.4078	2.5428	-0.0304	-0.0304	2.3107
Halifax	63	111	91	105	114	51,704	51,194	50,898	47,873	47,787	1.2185	2.1682	1.7879	2.1933	2.3856	0.2296	0.2296	4.0289
Harnett	482	452	448	397	372	133,869	135,239	136,705	134,847	139,562	3.6005	3.3422	3.2771	2.9441	2.6655	-0.0719	-0.0719	2.0908
Haywood	234	221	209	193	219	62,959	63,328	63,481	62,403	62,888	3.7167	3.4898	3.2923	3.0928	3.4824	-0.0131	-0.0131	3.3458
Henderson	328	404	385	396	334	117,312	118,312	118,563	117,408	117,274	2.7960	3.4147	3.2472	3.3729	2.8480	0.0138	0.0138	2.9662
Hertford	129	134	116	115	121	24,031	24,037	23,720	19,871	19,507	5.3681	5.5747	4.8904	5.7873	6.2029	0.0427	0.0427	6.9982
Hoke	74	144	125	129	153	54,923	54,842	54,682	52,331	55,151	1.3473	2.6257	2.2859	2.4651	2.7742	0.2558	0.2558	4.9031
Hyde*	0	0	0	0	0	5,449	5,181	5,119	4,482	4,549	2.8239	2.6395	2.5021	2.3279	2.3874	-0.0403	-0.0403	0.0000
Iredell	672	643	674	658	624	179,330	181,380	183,309	191,180	196,170	3.7473	3.5450	3.6769	3.4418	3.1809	-0.0391	-0.0391	2.8075
Jackson	101	107	97	93	94	44,272	44,335	44,354	43,147	42,972	2.2814	2.4134	2.1870	2.1554	2.1875	-0.0089	-0.0089	2.1292
Johnston	411	378	323	369	376	199,768	205,951	211,626	223,975	233,435	2.0574	1.8354	1.5263	1.6475	1.6107	-0.0548	-0.0548	1.3459
Jones	13	11	11	13	10	10,100	10,196	10,067	8,947	9,199	1.2871	1.0789	1.0927	1.4530	1.0871	-0.0178	-0.0178	1.0291
Lee	183	171	163	165	148	60,097	61,690	61,663	64,278	64,907	3.0451	2.7719	2.6434	2.5670	2.2802	-0.0692	-0.0692	1.8070
Lenoir	224	251	214	230	246	57,232	56,372	56,876	54,783	54,572	3.9139	4.4526	3.7626	4.1984	4.5078	0.0430	0.0430	5.0900
Lincoln	282	280	262	156	250	84,608	86,453	88,699	88,298	91,171	3.3330	3.2388	2.9538	1.7667	2.7421	0.0085	0.0085	2.8119
Macon	150	152	140	126	134	36,117	36,498	37,014	37,430	37,653	4.1532	4.1646	3.7824	3.3663	3.5588	-0.0355	-0.0355	3.1802
Madison	66	66	59	65	65	22,523	22,602	22,500	21,205	21,522	2.9303	2.9201	2.6222	3.0653	3.0202	0.0122	0.0122	3.1306
Martin	139	64	109	88	93	23,290	23,150	22,904	21,713	21,476	5.9682	2.7646	4.7590	4.0529	4.3304	0.0262	0.0262	4.6706
McDowell	296	292	261	259	273	46,358	46,684	46,530	44,350	44,443	6.3851	6.2548	5.6093	5.8399	6.1427	-0.0077	-0.0077	6.0015
Mecklenburg	2,370	1,892	2,208	1,946	2,181	1,093,708	1,108,107	1,118,775	1,133,504	1,135,873	2.1669	1.7074	1.9736	1.7168	1.9201	-0.0170	-0.0170	1.8224
Mitchell	73	78	70	68	70	15,234	15,239	15,112	14,836	14,895	4.7919	5.1184	4.6321	4.5834	4.6996	-0.0030	-0.0030	4.6571
Montgomery	140	138	135	108	112	27,926	27,666	27,753	25,705	25,757	5.0132	4.9881	4.8643	4.2015	4.3483	-0.0328	-0.0328	3.9206
Moore	502	499	423	383	403	99,310	101,180	102,814	101,649	104,758	5.0549	4.9318	4.1142	3.7679	3.8470	-0.0633	-0.0633	3.1161
Nash	303	303	274	237	236	95,072	95,647	96,669	95,116	95,446	3.1871	3.1679	2.8344	2.4917	2.4726	-0.0600	-0.0600	2.0278
New Hanover	681	684	641	594	582	233,595	235,560	235,231	227,782	235,245	2.9153	2.9037	2.7250	2.6078	2.4740	-0.0400	-0.0400	2.1774
Northampton	159	159	137	116	111	20,711	20,527	20,054	16,796	17,036	7.6771	7.7459	6.8316	6.9064	6.5156	-0.0387	-0.0387	5.7596
Onslow	264	164	161	184	208	198,783	201,548	210,056	206,718	209,491	1.3281	0.8137	0.7665	0.8901	0.9929	-0.0421	-0.0421	0.8673
Orange	361	362	322	329	340	144,372	147,093	147,907	150,258	149,665	2.5005	2.4610	2.1770	2.1896	2.2717	-0.0220	-0.0220	2.1220
Pamlico	52	67	42	39	40	13,273	13,266	13,277	12,140	12,299	3.9177	5.0505	3.1634	3.2125	3.2523	-0.0141	-0.0141	3.1143
Pasquotank	181	187	169	155	149	39,826	39,731	39,952	40,743	40,763	4.5448	4.7067	4.2301	3.8043	3.6553	-0.0514	-0.0514	3.0920
Pender	122	117	103	86	102	62,359	63,406	63,949	61,105	65,282	1.9564	1.8453	1.6107	1.4074	1.5625	-0.0500	-0.0500	1.3281
Perquimans	24	22	22	67	38	13,729	13,639	13,807	12,847	13,445	1.7481	1.6130	1.5934	5.2152	2.8263	0.4314	0.4314	6.4840
Person	156	151	153	70	80	40,014	40,370	40,450	39,044	39,586	3.8986	3.7404	3.7824	1.7928	2.0209	-0.1070	-0.1070	1.3720
Pitt	469	453	418	419	366	179,388	179,731	183,285	170,276	172,231	2.6144	2.5204	2.2806	2.4607	2.1251	-0.0471	-0.0471	1.8246

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	Polk	104	103	109	100	98	21,468	21,696	21,923	18,957	19,571	4.8444	4.7474	4.9719	5.2751			
Randolph	400	341	352	327	326	143,907	144,914	145,246	144,818	145,796	2.7796	2.3531	2.4235	2.2580	2.2360	-0.0504	-0.0504	1.8980
Richmond	146	146	136	111	139	45,032	45,079	45,014	42,475	42,330	3.2421	3.2388	3.0213	2.6133	3.2837	0.0133	0.0133	3.4150
Robeson	385	363	349	249	322	131,303	131,056	131,238	113,699	116,951	2.9321	2.7698	2.6593	2.1900	2.7533	-0.0036	-0.0036	2.7233
Rockingham	278	252	247	239	245	91,273	91,788	91,915	91,113	91,912	3.0458	2.7455	2.6873	2.6231	2.6656	-0.0319	-0.0319	2.4107
Rowan	443	442	412	381	408	142,342	142,643	143,274	147,817	148,765	3.1122	3.0986	2.8756	2.5775	2.7426	-0.0290	-0.0290	2.5041
Rutherford	320	322	293	291	293	68,772	68,908	69,049	64,178	64,184	4.6531	4.6729	4.2434	4.5343	4.5650	-0.0031	-0.0031	4.5228
Sampson	186	190	161	105	136	64,019	64,284	64,053	58,309	58,987	2.9054	2.9556	2.5135	1.8008	2.3056	-0.0339	-0.0339	2.0713
Scotland	95	101	75	19	75	35,802	35,732	35,724	33,682	33,079	2.6535	2.8266	2.0994	0.5641	2.2673	0.5240	0.4627	5.4146
Stanly	173	182	150	159	137	63,465	63,727	64,691	62,220	62,883	2.7259	2.8559	2.3187	2.5554	2.1786	-0.0464	-0.0464	1.8751
Stokes	220	221	207	118	66	46,604	46,420	46,684	44,344	45,039	4.7206	4.7609	4.4341	2.6610	1.4654	-0.2273	-0.2273	0.4660
Surry	387	336	348	231	302	73,117	73,232	73,548	71,195	71,329	5.2929	4.5882	4.7316	3.2446	4.2339	-0.0278	-0.0278	3.8806
Swain	21	43	47	47	50	14,862	14,275	14,489	14,059	14,316	1.4130	3.0123	3.2438	3.3431	3.4926	0.3210	0.3210	6.8560
Transylvania	98	96	81	86	81	35,034	35,484	35,511	32,785	33,498	2.7973	2.7054	2.2810	2.6232	2.4181	-0.0295	-0.0295	2.2042
Tyrrell**	49	42	40	36	38	4,309	4,259	3,767	3,101	3,193	11.3715	9.8615	10.6185	11.6092	11.9010	0.0156	0.0156	12.4581
Union	416	400	363	313	364	232,814	237,287	238,740	242,651	247,301	1.7868	1.6857	1.5205	1.2899	1.4719	-0.0413	-0.0413	1.2895
Vance	45	42	37	27	20	45,157	45,969	45,435	42,096	42,014	0.9965	0.9137	0.8144	0.6414	0.4760	-0.1655	-0.1655	0.2397
Wake	2,219	1,823	2,114	1,970	1,997	1,073,993	1,089,579	1,102,782	1,156,274	1,169,294	2.0661	1.6731	1.9170	1.7037	1.7079	-0.0383	-0.0383	1.5115
Warren	73	78	66	22	22	20,174	20,022	19,767	18,319	18,873	3.6185	3.8957	3.3389	1.2009	1.1657	-0.1840	-0.1840	0.5222
Washington	41	45	41	39	39	12,239	12,071	12,039	10,818	10,607	3.3499	3.7279	3.4056	3.6051	3.6768	0.0262	0.0262	3.9659
Watauga	105	101	87	93	34	57,646	57,899	57,011	53,639	54,068	1.8215	1.7444	1.5260	1.7338	0.6288	-0.1672	-0.1672	0.3135
Wayne	511	529	460	409	365	124,658	125,825	126,339	116,094	117,544	4.0992	4.2043	3.6410	3.5230	3.1052	-0.0648	-0.0648	2.5012
Wilkes	179	183	153	150	165	69,907	70,200	70,263	65,378	65,698	2.5605	2.6068	2.1775	2.2943	2.5115	0.0004	0.0004	2.5147
Wilson	374	293	236	241	245	81,968	82,282	83,495	78,284	77,877	4.5628	3.5609	2.8265	3.0785	3.1460	-0.0787	-0.0787	2.4034
Yadkin	113	115	108	101	103	38,477	38,196	38,145	37,081	37,117	2.9368	3.0108	2.8313	2.7238	2.7750	-0.0134	-0.0134	2.6635
Yancey	77	80	88	60	86	18,363	18,623	18,909	18,557	18,455	4.1932	4.2958	4.6539	3.2333	4.6600	0.0610	0.0610	5.5121
<b>State Total</b>	<b>29,374</b>	<b>27,737</b>	<b>26,491</b>	<b>24,525</b>	<b>25,469</b>	<b>10,401,960</b>	<b>10,508,254</b>	<b>10,587,440</b>	<b>10,535,205</b>	<b>10,667,874</b>	<b>2.8239</b>	<b>2.6395</b>	<b>2.5021</b>	<b>2.3279</b>	<b>2.3874</b>	<b>-0.0403</b>		

\* 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.