

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
	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019			
Alamance	565	570	574	559	595	157,624	159,371	161,076	165,749	170,483	3.5845	3.5766	3.5635	3.3726	3.4901	-0.0061	-0.0061	3.4257
Alexander	104	92	68	82	83	38,302	38,054	38,452	38,390	38,530	2.7153	2.4176	1.7684	2.1360	2.1542	-0.0404	-0.0404	1.8928
Alleghany	0	0	0	0	0	11,159	11,255	11,233	11,466	11,466	2.9720	2.9388	2.8739	2.8239	2.6395	-0.0290	-0.0290	0.0000
Anson	52	49	41	55	59	26,469	26,155	25,626	25,460	25,290	1.9646	1.8734	1.5999	2.1603	2.3329	0.0594	0.0594	2.7490
Ashe	104	103	103	99	97	27,482	27,318	27,218	27,551	27,861	3.7843	3.7704	3.7843	3.5933	3.4816	-0.0204	-0.0204	3.2686
Avery	74	90	89	81	92	17,902	17,837	18,072	17,913	18,022	4.1336	5.0457	4.9247	4.5219	5.1049	0.0610	0.0610	6.0383
Beaufort	76	112	114	91	91	47,718	47,827	47,547	47,438	47,480	1.5927	2.3418	2.3976	1.9183	1.9166	0.0733	0.0733	2.3383
Bertie	69	89	84	86	85	20,361	20,413	19,881	19,732	19,636	3.3888	4.3600	4.2251	4.3584	4.3288	0.0701	0.0701	5.2391
Bladen	80	72	77	73	74	35,152	35,011	34,393	34,298	34,497	2.2758	2.0565	2.2388	2.1284	2.1451	-0.0123	-0.0123	2.0660
Brunswick	204	151	211	251	225	121,577	125,712	131,726	136,126	142,088	1.6779	1.2012	1.6018	1.8439	1.5835	0.0148	0.0148	1.6540
Buncombe	796	735	841	813	826	254,344	257,931	261,532	262,483	264,056	3.1296	2.8496	3.2157	3.0973	3.1281	0.0030	0.0030	3.1566
Burke	298	282	284	268	310	89,198	89,274	90,246	91,555	91,810	3.3409	3.1588	3.1470	2.9272	3.3765	0.0064	0.0064	3.4409
Cabarrus	509	540	565	620	456	195,999	200,595	205,473	209,303	212,917	2.5970	2.6920	2.7498	2.9622	2.1417	-0.0354	-0.0354	1.9141
Caldwell	267	249	198	180	188	82,391	82,691	83,303	83,597	83,417	3.2406	3.0112	2.3769	2.1532	2.2537	-0.0822	-0.0822	1.6979
Camden	9	10	10	11	11	10,349	10,223	10,359	10,414	10,611	0.8696	0.9782	0.9653	1.0563	1.0367	0.0468	0.0468	1.1823
Carteret	139	145	164	191	149	69,530	70,115	70,190	70,619	71,163	1.9991	2.0680	2.3365	2.7047	2.0938	0.0240	0.0240	2.2445
Caswell	91	101	124	113	87	23,643	23,615	23,699	23,309	23,664	3.8489	4.2769	5.2323	4.8479	3.6765	0.0049	0.0049	3.7302
Catawba	548	526	518	521	499	156,182	156,106	156,949	157,978	159,494	3.5087	3.3695	3.3004	3.2979	3.1286	-0.0281	-0.0281	2.8652
Chatham	287	322	326	310	353	69,851	73,176	74,835	74,491	75,994	4.1087	4.4003	4.3563	4.1616	4.6451	0.0331	0.0331	5.1065
Cherokee	21	21	22	19	19	27,487	27,878	29,216	29,288	29,630	0.7640	0.7533	0.7530	0.6487	0.6412	-0.0411	-0.0411	0.5622
Chowan	99	106	100	106	94	14,670	14,418	14,292	14,123	14,114	6.7485	7.3519	6.9969	7.5055	6.6601	0.0003	0.0003	6.6659
Clay	52	50	46	50	50	10,886	11,089	11,488	11,646	11,860	4.7768	4.5090	4.0042	4.2933	4.2159	-0.0285	-0.0285	3.8559
Cleveland	326	315	319	301	293	98,246	97,997	98,580	98,717	99,776	3.3182	3.2144	3.2360	3.0491	2.9366	-0.0298	-0.0298	2.6740
Columbus	138	135	119	72	84	57,579	57,095	56,941	56,505	56,290	2.3967	2.3645	2.0899	1.2742	1.4923	-0.0872	-0.0872	1.1020
Craven	430	404	352	383	320	105,052	103,256	103,735	103,569	103,779	4.0932	3.9126	3.3933	3.6980	3.0835	-0.0633	-0.0633	2.4979
Cumberland	532	554	543	534	492	331,238	327,820	329,604	329,079	332,455	1.6061	1.6900	1.6474	1.6227	1.4799	-0.0190	-0.0190	1.3956
Currituck	79	61	63	66	72	25,616	26,194	26,604	27,321	27,526	3.0840	2.3288	2.3681	2.4157	2.6157	-0.0313	-0.0313	2.3703
Dare	84	72	68	73	68	35,579	36,411	36,792	37,197	37,290	2.3609	1.9774	1.8482	1.9625	1.8235	-0.0592	-0.0592	1.4997
Davidson	525	515	493	484	415	164,927	165,953	167,105	167,762	169,468	3.1832	3.1033	2.9502	2.8850	2.4488	-0.0619	-0.0619	1.9939
Davie	150	128	136	146	142	41,475	41,989	42,727	43,193	43,430	3.6166	3.0484	3.1830	3.3802	3.2696	-0.0209	-0.0209	3.0643
Duplin	291	312	287	296	315	60,446	59,868	59,513	59,629	59,736	4.8142	5.2115	4.8225	4.9640	5.2732	0.0249	0.0249	5.6668
Durham	739	771	702	751	760	297,807	302,332	306,184	311,649	315,741	2.4815	2.5502	2.2927	2.4098	2.4070	-0.0058	-0.0058	2.3649
Edgecombe	246	250	258	148	144	55,394	54,248	52,856	53,001	52,586	4.4409	4.6085	4.8812	2.7924	2.7384	-0.0876	-0.0876	2.0188
Forsyth	1,689	1,686	1,602	1,692	1,527	367,853	369,688	372,651	377,523	379,693	4.5915	4.5606	4.2989	4.4818	4.0217	-0.0311	-0.0311	3.6469
Franklin	138	90	101	124	153	63,848	64,925	66,514	67,723	69,112	2.1614	1.3862	1.5185	1.8310	2.2138	0.0379	0.0379	2.4656
Gaston	911	921	887	784	706	211,936	214,664	218,527	221,607	222,744	4.2985	4.2904	4.0590	3.5378	3.1696	-0.0721	-0.0721	2.4842
Gates	2	51	42	58	68	11,914	11,701	11,960	12,079	12,132	0.1679	4.3586	3.5117	4.8017	5.6050	6.3261	0.4073	12.4537
Graham	8	7	7	8	7	8,890	8,722	8,837	8,775	8,687	0.8999	0.8026	0.7921	0.9117	0.8058	-0.0216	-0.0216	0.7536

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	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019			
Granville	172	156	66	113	74	58,280	58,919	59,975	61,241	61,406	2.9513	2.6477	1.1005	1.8452	1.2051	-0.0893	-0.0893	0.8821
Greene	54	53	41	49	41	21,309	21,073	21,522	21,301	21,050	2.5341	2.5151	1.9050	2.3004	1.9477	-0.0490	-0.0490	1.6616
Guilford	1,625	1,625	1,614	1,551	1,587	516,415	521,368	523,962	533,213	539,666	3.1467	3.1168	3.0804	2.9088	2.9407	-0.0165	-0.0165	2.7953
Halifax	98	50	45	63	111	52,876	52,062	51,815	51,704	51,194	1.8534	0.9604	0.8685	1.2185	2.1682	0.1512	0.1512	3.1519
Harnett	472	470	515	482	452	127,986	128,597	130,847	133,869	135,239	3.6879	3.6548	3.9359	3.6005	3.3422	-0.0223	-0.0223	3.1191
Haywood	233	268	256	234	221	60,178	61,126	62,277	62,959	63,328	3.8718	4.3844	4.1107	3.7167	3.4898	-0.0217	-0.0217	3.2622
Henderson	421	422	342	328	404	112,116	113,806	116,173	117,312	118,312	3.7550	3.7081	2.9439	2.7960	3.4147	-0.0119	-0.0119	3.2929
Hertford	137	135	132	129	134	24,501	24,402	23,947	24,031	24,037	5.5916	5.5323	5.5122	5.3681	5.5747	-0.0005	-0.0005	5.5668
Hoke	99	124	128	74	144	51,568	52,833	53,343	54,923	54,842	1.9198	2.3470	2.3996	1.3473	2.6257	0.1888	0.1888	4.1130
Hyde*	0	0	24	0	0	5,735	5,678	5,644	5,449	5,181	2.9720	2.9388	4.2523	2.8239	2.6395	0.0086	0.0086	0.0000
Iredell	766	747	701	672	643	169,281	173,206	176,563	179,330	181,380	4.5250	4.3128	3.9703	3.7473	3.5450	-0.0591	-0.0591	2.9164
Jackson	116	108	108	101	107	41,279	41,909	43,116	44,272	44,335	2.8101	2.5770	2.5049	2.2814	2.4134	-0.0356	-0.0356	2.1559
Johnston	417	428	396	411	378	183,309	188,761	194,705	199,768	205,951	2.2748	2.2674	2.0338	2.0574	1.8354	-0.0507	-0.0507	1.5565
Jones	12	13	15	13	11	10,490	10,424	10,356	10,100	10,196	1.1439	1.2471	1.4484	1.2871	1.0789	-0.0054	-0.0054	1.0614
Lee	171	174	196	183	171	59,202	58,907	59,337	60,097	61,690	2.8884	2.9538	3.3032	3.0451	2.7719	-0.0067	-0.0067	2.7160
Lenoir	229	245	257	224	251	58,780	58,273	57,477	57,232	56,372	3.8959	4.2043	4.4714	3.9139	4.4526	0.0389	0.0389	4.9723
Lincoln	305	291	278	282	280	80,810	82,475	83,251	84,608	86,453	3.7743	3.5283	3.3393	3.3330	3.2388	-0.0372	-0.0372	2.8771
Macon	139	145	148	150	152	34,851	35,091	35,413	36,117	36,498	3.9884	4.1321	4.1793	4.1532	4.1646	0.0110	0.0110	4.3019
Madison	75	62	64	66	66	21,728	21,818	22,240	22,523	22,602	3.4518	2.8417	2.8777	2.9303	2.9201	-0.0373	-0.0373	2.5932
Martin	134	145	147	139	64	23,604	23,649	23,510	23,290	23,150	5.6770	6.1313	6.2527	5.9682	2.7646	-0.1206	-0.1206	1.7642
McDowell	249	273	300	296	292	45,380	45,485	45,716	46,358	46,684	5.4870	6.0020	6.5623	6.3851	6.2548	0.0350	0.0350	6.9107
Mecklenburg	2,270	2,216	2,390	2,370	1,892	1,032,620	1,055,826	1,077,301	1,093,708	1,108,107	2.1983	2.0988	2.2185	2.1669	1.7074	-0.0559	-0.0559	1.4212
Mitchell	50	61	64	73	78	15,826	15,328	15,237	15,234	15,239	3.1594	3.9796	4.2003	4.7919	5.1184	0.1310	0.1310	7.1303
Montgomery	131	147	149	140	138	27,842	27,894	27,865	27,926	27,666	4.7051	5.2700	5.3472	5.0132	4.9881	0.0168	0.0168	5.2396
Moore	470	496	509	502	499	94,218	95,789	97,597	99,310	101,180	4.9884	5.1780	5.2153	5.0549	4.9318	-0.0025	-0.0025	4.8952
Nash	308	321	302	303	303	94,331	94,280	94,365	95,072	95,647	3.2651	3.4048	3.2003	3.1871	3.1679	-0.0069	-0.0069	3.1027
New Hanover	678	692	707	681	684	220,108	223,152	227,261	233,595	235,560	3.0803	3.1010	3.1110	2.9153	2.9037	-0.0142	-0.0142	2.7797
Northampton	169	158	163	159	159	21,095	21,037	20,709	20,711	20,527	8.0114	7.5106	7.8710	7.6771	7.7459	-0.0075	-0.0075	7.5705
Onslow	245	254	257	264	164	194,607	196,830	195,621	198,783	201,548	1.2589	1.2905	1.3138	1.3281	0.8137	-0.0833	-0.0833	0.6103
Orange	335	347	366	361	362	141,599	141,704	142,365	144,372	147,093	2.3658	2.4488	2.5709	2.5005	2.4610	0.0104	0.0104	2.5381
Pamlico	6	38	40	52	67	13,158	13,177	13,268	13,273	13,266	0.4560	2.8838	3.0148	3.9177	5.0505	1.4896	0.4073	11.2216
Pasquotank	193	183	182	181	187	39,951	39,959	40,598	39,826	39,731	4.8309	4.5797	4.4830	4.5448	4.7067	-0.0059	-0.0059	4.6229
Pender	143	163	102	122	117	57,693	59,105	60,999	62,359	63,406	2.4786	2.7578	1.6722	1.9564	1.8453	-0.0420	-0.0420	1.6129
Perquimans	0	20	20	24	22	13,566	13,699	13,546	13,729	13,639	2.9720	1.4600	1.4765	1.7481	1.6130	-0.0977	-0.0977	1.1403
Person	166	160	161	156	151	39,322	39,712	39,868	40,014	40,370	4.2216	4.0290	4.0383	3.8986	3.7404	-0.0296	-0.0296	3.4080
Pitt	449	463	437	469	453	175,390	176,311	176,424	179,388	179,731	2.5600	2.6260	2.4770	2.6144	2.5204	-0.0029	-0.0029	2.4988
Polk	111	122	117	104	103	20,848	20,927	21,154	21,468	21,696	5.3243	5.8298	5.5309	4.8444	4.7474	-0.0251	-0.0251	4.3897
Randolph	436	433	396	400	341	143,666	143,091	144,672	143,907	144,914	3.0348	3.0260	2.7372	2.7796	2.3531	-0.0591	-0.0591	1.9361

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Richmond	126	137	134	146	146	45,521	45,301	44,892	45,032	45,079	2.7680	3.0242	2.9849	3.2421	3.2388	0.0412	0.0412	3.6389
Robeson	388	417	328	385	363	133,257	133,117	132,020	131,303	131,056	2.9117	3.1326	2.4845	2.9321	2.7698	-0.0015	-0.0015	2.7569
Rockingham	306	287	283	278	252	92,543	91,981	91,790	91,273	91,788	3.3066	3.1202	3.0831	3.0458	2.7455	-0.0447	-0.0447	2.3770
Rowan	540	562	521	443	442	138,710	140,963	141,917	142,342	142,643	3.8930	3.9869	3.6712	3.1122	3.0986	-0.0529	-0.0529	2.6067
Rutherford	350	312	300	320	322	67,466	67,665	67,796	68,772	68,908	5.1878	4.6110	4.4250	4.6531	4.6729	-0.0239	-0.0239	4.3374
Sampson	226	186	187	186	190	64,516	63,993	63,143	64,019	64,284	3.5030	2.9066	2.9615	2.9054	2.9556	-0.0383	-0.0383	2.6164
Scotland	141	88	145	95	101	35,804	35,626	35,686	35,802	35,732	3.9381	2.4701	4.0632	2.6535	2.8266	-0.0024	-0.0024	2.8064
Stanly	185	177	182	173	182	61,255	61,447	62,443	63,465	63,727	3.0202	2.8805	2.9147	2.7259	2.8559	-0.0129	-0.0129	2.7457
Stokes	211	229	221	220	221	46,787	46,735	46,728	46,604	46,420	4.5098	4.9000	4.7295	4.7206	4.7609	0.0146	0.0146	4.9693
Surry	323	364	355	387	336	73,834	73,195	72,843	73,117	73,232	4.3747	4.9730	4.8735	5.2929	4.5882	0.0174	0.0174	4.8279
Swain	0	0	0	21	43	14,987	15,106	14,999	14,862	14,275	2.9720	2.9388	2.8739	1.4130	3.0123	0.1476	0.1476	4.3457
Transylvania	87	76	79	98	96	33,738	34,056	34,464	35,034	35,484	2.5787	2.2316	2.2922	2.7973	2.7054	0.0200	0.0200	2.8679
Tyrrell**	0	0	18	49	42	4,142	4,215	4,138	4,309	4,259	2.9720	2.9388	4.3499	11.3715	9.8615	0.4876	0.4073	21.9110
Union	425	435	425	416	400	220,546	224,030	228,171	232,814	237,287	1.9270	1.9417	1.8626	1.7868	1.6857	-0.0326	-0.0326	1.5209
Vance	55	50	49	45	42	45,022	45,113	44,862	45,157	45,969	1.2216	1.1083	1.0922	0.9965	0.9137	-0.0695	-0.0695	0.7231
Wake	2,253	2,290	2,199	2,219	1,823	1,005,367	1,029,789	1,048,771	1,073,993	1,089,579	2.2410	2.2238	2.0967	2.0661	1.6731	-0.0674	-0.0674	1.3348
Warren	24	80	78	73	78	20,514	20,469	20,133	20,174	20,022	1.1699	3.9083	3.8742	3.6185	3.8957	0.5856	0.4073	8.6558
Washington	43	42	42	41	45	12,646	12,508	12,349	12,239	12,071	3.4003	3.3579	3.4011	3.3499	3.7279	0.0245	0.0245	4.0025
Watauga	94	83	104	105	101	53,314	54,340	56,170	57,646	57,899	1.7631	1.5274	1.8515	1.8215	1.7444	0.0050	0.0050	1.7705
Wayne	512	490	497	511	529	125,912	124,900	124,945	124,658	125,825	4.0663	3.9231	3.9778	4.0992	4.2043	0.0087	0.0087	4.3142
Wilkes	190	140	166	179	183	70,000	69,663	70,536	69,907	70,200	2.7143	2.0097	2.3534	2.5605	2.6068	0.0044	0.0044	2.6411
Wilson	402	383	375	374	293	81,677	82,152	82,035	81,968	82,282	4.9218	4.6621	4.5712	4.5628	3.5609	-0.0734	-0.0734	2.7766
Yadkin	104	53	82	113	115	37,655	37,521	37,687	38,477	38,196	2.7619	1.4125	2.1758	2.9368	3.0108	0.1067	0.1067	3.9744
Yancey	82	78	80	77	80	17,915	17,980	18,199	18,363	18,623	4.5772	4.3382	4.3958	4.1932	4.2958	-0.0151	-0.0151	4.1006
State Total	29,883	29,854	29,523	29,374	27,737	10,054,722	10,158,475	10,272,692	10,401,960	10,508,254	2.9720	2.9388	2.8739	2.8239	2.6395	-0.0290		

* 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.