

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

County	Patients					Populations					Rates					Actual Average Annual Change Rate	Selected Change Rate (County or Adjusted County)	Bed Rate per 1,000
	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018			
Alamance	540	565	570	574	529	155,788	157,624	159,371	161,076	165,749	3.4662	3.5845	3.5766	3.5635	3.1916	-0.0190	-0.0190	3.0094
Alexander	100	104	92	68	82	37,829	38,302	38,054	38,452	38,390	2.6435	2.7153	2.4176	1.7684	2.1360	-0.0358	-0.0358	1.9066
Alleghany	1	0	0	0	0	11,111	11,159	11,255	11,233	11,466	0.0900	2.9720	2.9388	2.8739	2.8210	7.9927	0.6595	0.0000
Anson	56	52	49	41	55	26,464	26,469	26,155	25,626	25,460	2.1161	1.9646	1.8734	1.5999	2.1603	0.0216	0.0216	2.3000
Ashe	103	104	103	103	99	27,448	27,482	27,318	27,218	27,551	3.7526	3.7843	3.7704	3.7843	3.5933	-0.0105	-0.0105	3.4802
Avery	67	74	90	89	81	17,895	17,902	17,837	18,072	17,913	3.7441	4.1336	5.0457	4.9247	4.5219	0.0547	0.0547	5.2643
Beaufort	78	76	112	114	91	47,714	47,718	47,827	47,547	47,438	1.6347	1.5927	2.3418	2.3976	1.9183	0.0671	0.0671	2.3046
Bertie	76	69	89	84	86	20,621	20,361	20,413	19,881	19,732	3.6856	3.3888	4.3600	4.2251	4.3584	0.0517	0.0517	5.0340
Bladen	116	80	72	77	73	35,113	35,152	35,011	34,393	34,298	3.3036	2.2758	2.0565	2.2388	2.1284	-0.0920	-0.0920	1.5407
Brunswick	210	204	151	211	251	117,852	121,577	125,712	131,726	136,126	1.7819	1.6779	1.2012	1.6018	1.8439	0.0355	0.0355	2.0405
Buncombe	856	796	735	841	813	251,271	254,344	257,931	261,532	262,483	3.4067	3.1296	2.8496	3.2157	3.0973	-0.0198	-0.0198	2.9135
Burke	316	298	282	284	268	89,198	89,198	89,274	90,246	91,555	3.5427	3.3409	3.1588	3.1470	2.9272	-0.0463	-0.0463	2.5210
Cabarrus	625	509	540	565	620	191,080	195,999	200,595	205,473	209,303	3.2709	2.5970	2.6920	2.7498	2.9622	-0.0177	-0.0177	2.8051
Caldwell	271	267	249	198	180	82,447	82,391	82,691	83,303	83,597	3.2870	3.2406	3.0112	2.3769	2.1532	-0.0974	-0.0974	1.5239
Camden	10	9	10	10	11	10,239	10,349	10,223	10,359	10,414	0.9767	0.8696	0.9782	0.9653	1.0563	0.0241	0.0241	1.1326
Carteret	130	139	145	164	191	69,358	69,530	70,115	70,190	70,619	1.8743	1.9991	2.0680	2.3365	2.7047	0.0971	0.0971	3.4926
Caswell	111	91	101	124	113	23,606	23,643	23,615	23,699	23,309	4.7022	3.8489	4.2769	5.2323	4.8479	0.0199	0.0199	5.1375
Catawba	581	548	526	518	521	155,832	156,182	156,106	156,949	157,978	3.7284	3.5087	3.3695	3.3004	3.2979	-0.0300	-0.0300	3.0015
Chatham	280	287	322	326	310	68,726	69,851	73,176	74,835	74,491	4.0741	4.1087	4.4003	4.3563	4.1616	0.0062	0.0062	4.2388
Cherokee	21	21	21	22	19	27,360	27,487	27,878	29,216	29,288	0.7675	0.7640	0.7533	0.7530	0.6487	-0.0394	-0.0394	0.5721
Chowan	97	99	106	100	106	14,637	14,670	14,418	14,292	14,123	6.6270	6.7485	7.3519	6.9969	7.5055	0.0330	0.0330	8.2493
Clay	42	52	50	46	50	10,750	10,886	11,089	11,488	11,646	3.9070	4.7768	4.5090	4.0042	4.2933	0.0317	0.0317	4.7017
Cleveland	332	326	315	319	301	97,910	98,246	97,997	98,580	98,717	3.3909	3.3182	3.2144	3.2360	3.0491	-0.0259	-0.0259	2.8119
Columbus	137	138	135	119	72	57,645	57,579	57,095	56,941	56,505	2.3766	2.3967	2.3645	2.0899	1.2742	-0.1279	-0.1279	0.7855
Craven	447	430	404	352	383	104,513	105,052	103,256	103,735	103,569	4.2770	4.0932	3.9126	3.3933	3.6980	-0.0325	-0.0325	3.3374
Cumberland	590	532	554	543	534	329,411	331,238	327,820	329,604	329,079	1.7911	1.6061	1.6900	1.6474	1.6227	-0.0228	-0.0228	1.5117
Currituck	79	79	61	63	66	24,958	25,616	26,194	26,604	27,321	3.1653	3.0840	2.3288	2.3681	2.4157	-0.0584	-0.0584	1.9925
Dare	79	84	72	68	73	35,373	35,579	36,411	36,792	37,197	2.2333	2.3609	1.9774	1.8482	1.9625	-0.0272	-0.0272	1.8024
Davidson	505	525	515	493	484	164,464	164,927	165,953	167,105	167,762	3.0706	3.1832	3.1033	2.9502	2.8850	-0.0150	-0.0150	2.7555
Davie	151	150	128	136	146	41,474	41,475	41,989	42,727	43,193	3.6408	3.6166	3.0484	3.1830	3.3802	-0.0144	-0.0144	3.2340
Duplin	295	291	312	287	296	60,126	60,446	59,868	59,513	59,629	4.9064	4.8142	5.2115	4.8225	4.9640	0.0046	0.0046	5.0327
Durham	805	739	771	702	751	292,194	297,807	302,332	306,184	311,649	2.7550	2.4815	2.5502	2.2927	2.4098	-0.0304	-0.0304	2.1902
Edgecombe	246	246	250	258	148	55,474	55,394	54,248	52,856	53,001	4.4345	4.4409	4.6085	4.8812	2.7924	-0.0824	-0.0824	2.1022
Forsyth	1,731	1,689	1,686	1,602	1,692	364,258	367,853	369,688	372,651	377,523	4.7521	4.5915	4.5606	4.2989	4.4818	-0.0138	-0.0138	4.2958
Franklin	161	138	90	101	124	63,217	63,848	64,925	66,514	67,723	2.5468	2.1614	1.3862	1.5185	1.8310	-0.0522	-0.0522	1.5443
Gaston	896	911	921	887	784	210,745	211,936	214,664	218,527	221,607	4.2516	4.2985	4.2904	4.0590	3.5378	-0.0433	-0.0433	3.0783
Gates	4	2	51	42	58	11,947	11,914	11,701	11,960	12,079	0.3348	0.1679	4.3586	3.5117	4.8017	6.1597	0.6595	14.3025
Graham	7	8	7	7	8	8,840	8,890	8,722	8,837	8,775	0.7919	0.8999	0.8026	0.7921	0.9117	0.0416	0.0416	1.0253

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County	Patients					Populations					Rates					Actual Average Annual Change Rate	Selected Change Rate (County or Adjusted County)	Bed Rate per 1,000
	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018			
Granville	161	172	156	66	113	58,102	58,280	58,919	59,975	61,241	2.7710	2.9513	2.6477	1.1005	1.8452	0.0136	0.0136	1.9207
Greene	47	54	53	41	49	21,283	21,309	21,073	21,522	21,301	2.2083	2.5341	2.5151	1.9050	2.3004	0.0262	0.0262	2.4815
Guilford	1,735	1,625	1,625	1,614	1,551	512,281	516,415	521,368	523,962	533,213	3.3868	3.1467	3.1168	3.0804	2.9088	-0.0369	-0.0369	2.5864
Halifax	94	98	50	45	63	53,189	52,876	52,062	51,815	51,704	1.7673	1.8534	0.9604	0.8685	1.2185	-0.0314	-0.0314	1.1035
Harnett	495	472	470	515	482	125,717	127,986	128,597	130,847	133,869	3.9374	3.6879	3.6548	3.9359	3.6005	-0.0202	-0.0202	3.3828
Haywood	258	233	268	256	234	59,913	60,178	61,126	62,277	62,959	4.3062	3.8718	4.3844	4.1107	3.7167	-0.0317	-0.0317	3.3633
Henderson	448	421	422	342	328	110,903	112,116	113,806	116,173	117,312	4.0396	3.7550	3.7081	2.9439	2.7960	-0.0848	-0.0848	2.0845
Hertford	138	137	135	132	129	24,595	24,501	24,402	23,947	24,031	5.6109	5.5916	5.5323	5.5122	5.3681	-0.0110	-0.0110	5.1916
Hoke	76	99	124	128	74	50,987	51,568	52,833	53,343	54,923	1.4906	1.9198	2.3470	2.3996	1.3473	0.0236	0.0236	1.4427
Hyde*	0	0	0	24	0	5,743	5,735	5,678	5,644	5,449	3.0902	2.9720	2.9388	4.2523	2.8210	0.0152	0.0152	0.0000
Iredell	743	766	747	701	672	167,161	169,281	173,206	176,563	179,330	4.4448	4.5250	4.3128	3.9703	3.7473	-0.0411	-0.0411	3.2851
Jackson	113	116	108	108	101	41,032	41,279	41,909	43,116	44,272	2.7539	2.8101	2.5770	2.5049	2.2814	-0.0449	-0.0449	1.9737
Johnston	486	417	428	396	411	180,050	183,309	188,761	194,705	199,768	2.6993	2.2748	2.2674	2.0338	2.0574	-0.0630	-0.0630	1.6686
Jones	20	12	13	15	13	10,470	10,490	10,424	10,356	10,100	1.9102	1.1439	1.2471	1.4484	1.2871	-0.0652	-0.0652	1.0353
Lee	176	171	174	196	183	59,205	59,202	58,907	59,337	60,097	2.9727	2.8884	2.9538	3.3032	3.0451	0.0086	0.0086	3.1237
Lenoir	216	229	245	257	224	58,826	58,780	58,273	57,477	57,232	3.6718	3.8959	4.2043	4.4714	3.9139	0.0198	0.0198	4.1459
Lincoln	304	305	291	278	282	80,202	80,810	82,475	83,251	84,608	3.7904	3.7743	3.5283	3.3393	3.3330	-0.0312	-0.0312	3.0208
Macon	84	139	145	148	150	34,432	34,851	35,091	35,413	36,117	2.4396	3.9884	4.1321	4.1793	4.1532	0.1690	0.1690	6.2590
Madison	67	75	62	64	66	21,584	21,728	21,818	22,240	22,523	3.1042	3.4518	2.8417	2.8777	2.9303	-0.0084	-0.0084	2.8561
Martin	143	134	145	147	139	23,714	23,604	23,649	23,510	23,290	6.0302	5.6770	6.1313	6.2527	5.9682	-0.0011	-0.0011	5.9492
McDowell	299	249	273	300	296	45,320	45,380	45,485	45,716	46,358	6.5975	5.4870	6.0020	6.5623	6.3851	-0.0020	-0.0020	6.3462
Mecklenburg	2,179	2,270	2,216	2,390	2,370	1,013,290	1,032,620	1,055,826	1,077,301	1,093,708	2.1504	2.1983	2.0988	2.2185	2.1669	0.0027	0.0027	2.1845
Mitchell	63	50	61	64	73	15,830	15,826	15,328	15,237	15,234	3.9798	3.1594	3.9796	4.2003	4.7919	0.0624	0.0624	5.6896
Montgomery	126	131	147	149	140	27,819	27,842	27,894	27,865	27,926	4.5293	4.7051	5.2700	5.3472	5.0132	0.0278	0.0278	5.4309
Moore	460	470	496	509	502	93,079	94,218	95,789	97,597	99,310	4.9420	4.9884	5.1780	5.2153	5.0549	0.0060	0.0060	5.1452
Nash	359	308	321	302	303	94,528	94,331	94,280	94,365	95,072	3.7978	3.2651	3.4048	3.2003	3.1871	-0.0404	-0.0404	2.8006
New Hanover	713	678	692	707	681	216,951	220,108	223,152	227,261	233,595	3.2865	3.0803	3.1010	3.1110	2.9153	-0.0289	-0.0289	2.6623
Northampton	133	169	158	163	159	21,218	21,095	21,037	20,709	20,711	6.2683	8.0114	7.5106	7.8710	7.6771	0.0597	0.0597	9.0528
Onslow	275	245	254	257	264	193,221	194,607	196,830	195,621	198,783	1.4232	1.2589	1.2905	1.3138	1.3281	-0.0154	-0.0154	1.2669
Orange	366	335	347	366	361	139,930	141,599	141,704	142,365	144,372	2.6156	2.3658	2.4488	2.5709	2.5005	-0.0095	-0.0095	2.4293
Pamlico	43	6	38	40	52	13,137	13,158	13,177	13,268	13,273	3.2732	0.4560	2.8838	3.0148	3.9177	1.2021	0.6595	11.6694
Pasquotank	193	193	183	182	181	39,655	39,951	39,959	40,598	39,826	4.8670	4.8309	4.5797	4.4830	4.5448	-0.0167	-0.0167	4.3173
Pender	131	143	163	102	122	56,540	57,693	59,105	60,999	62,359	2.3169	2.4786	2.7578	1.6722	1.9564	-0.0103	-0.0103	1.8959
Perquimans	0	0	20	20	24	13,627	13,566	13,699	13,546	13,729	3.0902	2.9720	1.4600	1.4765	1.7481	-0.0879	-0.0879	1.2870
Person	157	166	160	161	156	39,268	39,322	39,712	39,868	40,014	3.9982	4.2216	4.0290	4.0383	3.8986	-0.0055	-0.0055	3.8343
Pitt	465	449	463	437	469	174,414	175,390	176,311	176,424	179,388	2.6661	2.5600	2.6260	2.4770	2.6144	-0.0038	-0.0038	2.5845
Polk	120	111	122	117	104	20,755	20,848	20,927	21,154	21,468	5.7817	5.3243	5.8298	5.5309	4.8444	-0.0399	-0.0399	4.2647
Randolph	439	436	433	396	400	143,079	143,666	143,091	144,672	143,907	3.0682	3.0348	3.0260	2.7372	2.7796	-0.0234	-0.0234	2.5841

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	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018			
Richmond	161	126	137	134	146	45,543	45,521	45,301	44,892	45,032	3.5351	2.7680	3.0242	2.9849	3.2421	-0.0128	-0.0128	3.1175
Robeson	391	388	417	328	385	133,562	133,257	133,117	132,020	131,303	2.9275	2.9117	3.1326	2.4845	2.9321	0.0109	0.0109	3.0284
Rockingham	302	306	287	283	278	92,557	92,543	91,981	91,790	91,273	3.2629	3.3066	3.1202	3.0831	3.0458	-0.0167	-0.0167	2.8929
Rowan	569	540	562	521	443	138,709	138,710	140,963	141,917	142,342	4.1021	3.8930	3.9869	3.6712	3.1122	-0.0646	-0.0646	2.5093
Rutherford	375	350	312	300	320	67,600	67,466	67,665	67,796	68,772	5.5473	5.1878	4.6110	4.4250	4.6531	-0.0412	-0.0412	4.0780
Sampson	231	226	186	187	186	64,400	64,516	63,993	63,143	64,019	3.5870	3.5030	2.9066	2.9615	2.9054	-0.0484	-0.0484	2.4833
Scotland	157	141	88	145	95	36,059	35,804	35,626	35,686	35,802	4.3540	3.9381	2.4701	4.0632	2.6535	-0.0426	-0.0426	2.3146
Stanly	196	185	177	182	173	61,061	61,255	61,447	62,443	63,465	3.2099	3.0202	2.8805	2.9147	2.7259	-0.0396	-0.0396	2.4024
Stokes	221	211	229	221	220	46,786	46,787	46,735	46,728	46,604	4.7236	4.5098	4.9000	4.7295	4.7206	0.0011	0.0011	4.7368
Surry	283	323	364	355	387	73,840	73,834	73,195	72,843	73,117	3.8326	4.3747	4.9730	4.8735	5.2929	0.0861	0.0861	6.6595
Swain	29	0	0	0	21	14,829	14,987	15,106	14,999	14,862	1.9556	2.9720	2.9388	2.8739	1.4130	-0.0055	-0.0055	1.3898
Transylvania	93	87	76	79	98	33,440	33,738	34,056	34,464	35,034	2.7811	2.5787	2.2316	2.2922	2.7973	0.0100	0.0100	2.8814
Tyrrell**	0	0	0	18	49	4,135	4,142	4,215	4,138	4,309	3.0902	2.9720	2.9388	4.3499	11.3715	0.5112	0.5112	28.8121
Union	451	425	435	425	416	215,956	220,546	224,030	228,171	232,814	2.0884	1.9270	1.9417	1.8626	1.7868	-0.0378	-0.0378	1.5844
Vance	60	55	50	49	45	45,078	45,022	45,113	44,862	45,157	1.3310	1.2216	1.1083	1.0922	0.9965	-0.0693	-0.0693	0.7894
Wake	2,310	2,253	2,290	2,199	2,219	985,320	1,005,367	1,029,789	1,048,771	1,073,993	2.3444	2.2410	2.2238	2.0967	2.0661	-0.0309	-0.0309	1.8747
Warren	71	24	80	78	73	20,524	20,514	20,469	20,133	20,174	3.4594	1.1699	3.9083	3.8742	3.6185	0.4010	0.4010	7.9719
Washington	42	43	42	42	41	12,682	12,646	12,508	12,349	12,239	3.3118	3.4003	3.3579	3.4011	3.3499	0.0030	0.0030	3.3803
Watauga	93	94	83	104	105	52,923	53,314	54,340	56,170	57,646	1.7573	1.7631	1.5274	1.8515	1.8215	0.0164	0.0164	1.9111
Wayne	502	512	490	497	511	125,689	125,912	124,900	124,945	124,658	3.9940	4.0663	3.9231	3.9778	4.0992	0.0068	0.0068	4.1833
Wilkes	196	190	140	166	179	69,890	70,000	69,663	70,536	69,907	2.8044	2.7143	2.0097	2.3534	2.5605	-0.0082	-0.0082	2.4978
Wilson	373	402	383	375	374	81,405	81,677	82,152	82,035	81,968	4.5820	4.9218	4.6621	4.5712	4.5628	0.0000	0.0000	4.5629
Yadkin	105	104	53	82	113	37,846	37,655	37,521	37,687	38,477	2.7744	2.7619	1.4125	2.1758	2.9368	0.0993	0.0993	3.8114
Yancey	71	82	78	80	77	17,915	17,915	17,980	18,199	18,363	3.9632	4.5772	4.3382	4.3958	4.1932	0.0175	0.0175	4.4131
State Total	30,759	29,883	29,854	29,523	29,344	9,953,687	10,054,722	10,158,475	10,272,692	10,401,960	3.0902	2.9720	2.9388	2.8739	2.8210	-0.0225		

* 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.