

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
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017			
Alamance	520	540	565	570	574	153,642	155,788	157,624	159,371	161,076	3.3845	3.4662	3.5845	3.5766	3.5635	0.0131	0.0131	3.7036
Alexander	100	100	104	92	68	37,448	37,829	38,302	38,054	38,452	2.6704	2.6435	2.7153	2.4176	1.7684	-0.0903	-0.0903	1.2896
Alleghany	0	1	0	0	0	11,029	11,111	11,159	11,255	11,233	3.0457	0.0900	2.9720	2.9388	2.8739	7.7546	0.6838	0.0000
Anson	54	56	52	49	41	26,322	26,464	26,469	26,155	25,626	2.0515	2.1161	1.9646	1.8734	1.5999	-0.0581	-0.0581	1.3209
Ashe	123	103	104	103	103	27,442	27,448	27,482	27,318	27,218	4.4822	3.7526	3.7843	3.7704	3.7843	-0.0386	-0.0386	3.3463
Avery	73	67	74	90	89	17,866	17,895	17,902	17,837	18,072	4.0860	3.7441	4.1336	5.0457	4.9247	0.0543	0.0543	5.7264
Beaufort	88	78	76	112	114	47,791	47,714	47,718	47,827	47,547	1.8414	1.6347	1.5927	2.3418	2.3976	0.0891	0.0891	3.0382
Bertie	76	76	69	89	84	20,586	20,621	20,361	20,413	19,881	3.6918	3.6856	3.3888	4.3600	4.2251	0.0434	0.0434	4.7747
Bladen	78	116	80	72	77	35,219	35,113	35,152	35,011	34,393	2.2147	3.3036	2.2758	2.0565	2.2388	0.0432	0.0432	2.5291
Brunswick	223	210	204	151	211	115,666	117,852	121,577	125,712	131,726	1.9280	1.7819	1.6779	1.2012	1.6018	-0.0212	-0.0212	1.5001
Buncombe	807	856	796	735	841	248,929	251,271	254,344	257,931	261,532	3.2419	3.4067	3.1296	2.8496	3.2157	0.0021	0.0021	3.2361
Burke	307	316	298	282	284	89,552	89,198	89,198	89,274	90,246	3.4282	3.5427	3.3409	3.1588	3.1470	-0.0205	-0.0205	2.9539
Cabarrus	672	625	509	540	565	186,502	191,080	195,999	200,595	205,473	3.6032	3.2709	2.5970	2.6920	2.7498	-0.0601	-0.0601	2.2544
Caldwell	274	271	267	249	198	82,536	82,447	82,391	82,691	83,303	3.3198	3.2870	3.2406	3.0112	2.3769	-0.0764	-0.0764	1.8324
Camden	11	10	9	10	10	10,040	10,239	10,349	10,223	10,359	1.0956	0.9767	0.8696	0.9782	0.9653	-0.0266	-0.0266	0.8883
Carteret	139	130	139	145	164	69,258	69,358	69,530	70,115	70,190	2.0070	1.8743	1.9991	2.0680	2.3365	0.0412	0.0412	2.6253
Caswell	108	111	91	101	124	23,736	23,606	23,643	23,615	23,699	4.5501	4.7022	3.8489	4.2769	5.2323	0.0466	0.0466	5.9644
Catawba	590	581	548	526	518	155,463	155,832	156,182	156,106	156,949	3.7951	3.7284	3.5087	3.3695	3.3004	-0.0342	-0.0342	2.9621
Chatham	276	280	287	322	326	67,638	68,726	69,851	73,176	74,835	4.0805	4.0741	4.1087	4.4003	4.3563	0.0170	0.0170	4.5780
Cherokee	21	21	21	21	22	27,156	27,360	27,487	27,878	29,216	0.7733	0.7675	0.7640	0.7533	0.7530	-0.0066	-0.0066	0.7381
Chowan	108	97	99	106	100	14,806	14,637	14,670	14,418	14,292	7.2943	6.6270	6.7485	7.3519	6.9969	-0.0080	-0.0080	6.8289
Clay	34	42	52	50	46	10,628	10,750	10,886	11,089	11,488	3.1991	3.9070	4.7768	4.5090	4.0042	0.0690	0.0690	4.8327
Cleveland	351	332	326	315	319	97,442	97,910	98,246	97,997	98,580	3.6021	3.3909	3.3182	3.2144	3.2360	-0.0262	-0.0262	2.9819
Columbus	97	137	138	135	119	57,536	57,645	57,579	57,095	56,941	1.6859	2.3766	2.3967	2.3645	2.0899	0.0721	0.0721	2.5422
Craven	394	447	430	404	352	104,435	104,513	105,052	103,256	103,735	3.7727	4.2770	4.0932	3.9126	3.3933	-0.0215	-0.0215	3.1740
Cumberland	603	590	532	554	543	332,595	329,411	331,238	327,820	329,604	1.8130	1.7911	1.6061	1.6900	1.6474	-0.0221	-0.0221	1.5383
Currituck	73	79	79	61	63	24,055	24,958	25,616	26,194	26,604	3.0347	3.1653	3.0840	2.3288	2.3681	-0.0527	-0.0527	1.9939
Dare	84	79	84	72	68	35,182	35,373	35,579	36,411	36,792	2.3876	2.2333	2.3609	1.9774	1.8482	-0.0588	-0.0588	1.5221
Davidson	455	505	525	515	493	163,826	164,464	164,927	165,953	167,105	2.7773	3.0706	3.1832	3.1033	2.9502	0.0170	0.0170	3.1003
Davie	148	151	150	128	136	41,524	41,474	41,475	41,989	42,727	3.5642	3.6408	3.6166	3.0484	3.1830	-0.0245	-0.0245	2.9488
Duplin	310	295	291	312	287	60,122	60,126	60,446	59,868	59,513	5.1562	4.9064	4.8142	5.2115	4.8225	-0.0148	-0.0148	4.6078
Durham	803	805	739	771	702	286,142	292,194	297,807	302,332	306,184	2.8063	2.7550	2.4815	2.5502	2.2927	-0.0477	-0.0477	1.9646
Edgecombe	247	246	246	250	258	55,723	55,474	55,394	54,248	52,856	4.4326	4.4345	4.4409	4.6085	4.8812	0.0247	0.0247	5.2428
Forsyth	1,713	1,731	1,689	1,686	1,602	360,589	364,258	367,853	369,688	372,651	4.7506	4.7521	4.5915	4.5606	4.2989	-0.0244	-0.0244	3.9843
Franklin	104	161	138	90	101	62,720	63,217	63,848	64,925	66,514	1.6582	2.5468	2.1614	1.3862	1.5185	0.0303	0.0303	1.6567
Gaston	876	896	911	921	887	209,606	210,745	211,936	214,664	218,527	4.1793	4.2516	4.2985	4.2904	4.0590	-0.0069	-0.0069	3.9753
Gates	1	4	2	51	42	11,654	11,947	11,914	11,701	11,960	0.0858	0.3348	0.1679	4.3586	3.5117	6.7933	0.6838	10.7157
Graham	10	7	8	7	7	8,845	8,840	8,890	8,722	8,837	1.1306	0.7919	0.8999	0.8026	0.7921	-0.0711	-0.0711	0.6232
Granville	105	161	172	156	66	57,925	58,102	58,280	58,919	59,975	1.8127	2.7710	2.9513	2.6477	1.1005	-0.0234	-0.0234	1.0233

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	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017			
Greene	47	47	54	53	41	21,081	21,283	21,309	21,073	21,522	2.2295	2.2083	2.5341	2.5151	1.9050	-0.0280	-0.0280	1.7450
Guilford	1,684	1,735	1,625	1,625	1,614	507,578	512,281	516,415	521,368	523,962	3.3177	3.3868	3.1467	3.1168	3.0804	-0.0178	-0.0178	2.9157
Halifax	96	94	98	50	45	53,718	53,189	52,876	52,062	51,815	1.7871	1.7673	1.8534	0.9604	0.8685	-0.1350	-0.1350	0.5168
Harnett	471	495	472	470	515	123,357	125,717	127,986	128,597	130,847	3.8182	3.9374	3.6879	3.6548	3.9359	0.0089	0.0089	4.0415
Haywood	245	258	233	268	256	59,690	59,913	60,178	61,126	62,277	4.1045	4.3062	3.8718	4.3844	4.1107	0.0046	0.0046	4.1668
Henderson	428	448	421	422	342	109,305	110,903	112,116	113,806	116,173	3.9156	4.0396	3.7550	3.7081	2.9439	-0.0643	-0.0643	2.3756
Hertford	134	138	137	135	132	24,558	24,595	24,501	24,402	23,947	5.4565	5.6109	5.5916	5.5323	5.5122	0.0027	0.0027	5.5561
Hoke	99	76	99	124	128	50,678	50,987	51,568	52,833	53,343	1.9535	1.4906	1.9198	2.3470	2.3996	0.0740	0.0740	2.9321
Hyde*	0	0	0	0	24	5,801	5,743	5,735	5,678	5,644	3.0457	3.0902	2.9720	2.9388	4.2523	0.1030	0.1030	5.5667
Iredell	721	743	766	747	701	165,025	167,161	169,281	173,206	176,563	4.3690	4.4448	4.5250	4.3128	3.9703	-0.0227	-0.0227	3.6995
Jackson	106	113	116	108	108	40,812	41,032	41,279	41,909	43,116	2.5973	2.7539	2.8101	2.5770	2.5049	-0.0076	-0.0076	2.4481
Johnston	441	486	417	428	396	177,372	180,050	183,309	188,761	194,705	2.4863	2.6993	2.2748	2.2674	2.0338	-0.0445	-0.0445	1.7625
Jones	15	20	12	13	15	10,554	10,470	10,490	10,424	10,356	1.4213	1.9102	1.1439	1.2471	1.4484	0.0486	0.0486	1.6597
Lee	166	176	171	174	196	59,356	59,205	59,202	58,907	59,337	2.7967	2.9727	2.8884	2.9538	3.3032	0.0439	0.0439	3.7379
Lenoir	186	216	229	245	257	59,063	58,826	58,780	58,273	57,477	3.1492	3.6718	3.8959	4.2043	4.4714	0.0924	0.0924	5.7110
Lincoln	333	304	305	291	278	79,768	80,202	80,810	82,475	83,251	4.1746	3.7904	3.7743	3.5283	3.3393	-0.0538	-0.0538	2.8008
Macon	81	84	139	145	148	34,149	34,432	34,851	35,091	35,413	2.3720	2.4396	3.9884	4.1321	4.1793	0.1777	0.1777	6.4073
Madison	62	67	75	62	64	21,370	21,584	21,728	21,818	22,240	2.9013	3.1042	3.4518	2.8417	2.8777	0.0045	0.0045	2.9162
Martin	135	143	134	145	147	23,755	23,714	23,604	23,649	23,510	5.6830	6.0302	5.6770	6.1313	6.2527	0.0256	0.0256	6.7326
McDowell	300	299	249	273	300	45,245	45,320	45,380	45,485	45,716	6.6306	6.5975	5.4870	6.0020	6.5623	0.0035	0.0035	6.6306
Mecklenburg	2,077	2,179	2,270	2,216	2,390	991,970	1,013,290	1,032,620	1,055,826	1,077,301	2.0938	2.1504	2.1983	2.0988	2.2185	0.0153	0.0153	2.3201
Mitchell	41	63	50	61	64	15,388	15,830	15,826	15,328	15,237	2.6644	3.9798	3.1594	3.9796	4.2003	0.1507	0.1507	6.0987
Montgomery	103	126	131	147	149	27,775	27,819	27,842	27,894	27,865	3.7084	4.5293	4.7051	5.2700	5.3472	0.0987	0.0987	6.9309
Moore	480	460	470	496	509	91,954	93,079	94,218	95,789	97,597	5.2200	4.9420	4.9884	5.1780	5.2153	0.0003	0.0003	5.2206
Nash	351	359	308	321	302	94,776	94,528	94,331	94,280	94,365	3.7035	3.7978	3.2651	3.4048	3.2003	-0.0330	-0.0330	2.8834
New Hanover	578	713	678	692	707	213,876	216,951	220,108	223,152	227,261	2.7025	3.2865	3.0803	3.1010	3.1110	0.0408	0.0408	3.4919
Northampton	163	133	169	158	163	21,218	21,218	21,095	21,037	20,709	7.6822	6.2683	8.0114	7.5106	7.8710	0.0199	0.0199	8.3403
Onslow	270	275	245	254	257	193,911	193,221	194,607	196,830	195,621	1.3924	1.4232	1.2589	1.2905	1.3138	-0.0125	-0.0125	1.2643
Orange	376	366	335	347	366	139,738	139,930	141,599	141,704	142,365	2.6907	2.6156	2.3658	2.4488	2.5709	-0.0096	-0.0096	2.4966
Pamlico	42	43	6	38	40	13,071	13,137	13,158	13,177	13,268	3.2132	3.2732	0.4560	2.8838	3.0148	1.1319	0.6838	9.1993
Pasquotank	199	193	193	183	182	39,298	39,655	39,951	39,959	40,598	5.0639	4.8670	4.8309	4.5797	4.4830	-0.0299	-0.0299	4.0815
Pender	121	131	143	163	102	55,587	56,540	57,693	59,105	60,999	2.1768	2.3169	2.4786	2.7578	1.6722	-0.0367	-0.0367	1.4880
Perquimans	16	0	0	20	20	13,735	13,627	13,566	13,699	13,546	1.1649	3.0902	2.9720	1.4600	1.4765	0.2793	0.2793	2.7134
Person	162	157	166	160	161	39,189	39,268	39,322	39,712	39,868	4.1338	3.9982	4.2216	4.0290	4.0383	-0.0051	-0.0051	3.9770
Pitt	450	465	449	463	437	173,938	174,414	175,390	176,311	176,424	2.5871	2.6661	2.5600	2.6260	2.4770	-0.0101	-0.0101	2.4022
Polk	119	120	111	122	117	20,528	20,755	20,848	20,927	21,154	5.7970	5.7817	5.3243	5.8298	5.5309	-0.0095	-0.0095	5.3729
Randolph	462	439	436	433	396	142,614	143,079	143,666	143,091	144,672	3.2395	3.0682	3.0348	3.0260	2.7372	-0.0405	-0.0405	2.4045
Richmond	75	161	126	137	134	46,053	45,543	45,521	45,301	44,892	1.6286	3.5351	2.7680	3.0242	2.9849	0.2583	0.2583	5.2982
Robeson	377	391	388	417	328	133,984	133,562	133,257	133,117	132,020	2.8138	2.9275	2.9117	3.1326	2.4845	-0.0240	-0.0240	2.3056

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	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017			
Rockingham	286	302	306	287	283	92,259	92,557	92,543	91,981	91,790	3.1000	3.2629	3.3066	3.1202	3.0831	-0.0006	-0.0006	3.0778
Rowan	566	569	540	562	521	138,708	138,709	138,710	140,963	141,917	4.0805	4.1021	3.8930	3.9869	3.6712	-0.0252	-0.0252	3.3937
Rutherford	313	375	350	312	300	67,764	67,600	67,466	67,665	67,796	4.6190	5.5473	5.1878	4.6110	4.4250	-0.0038	-0.0038	4.3741
Sampson	203	231	226	186	187	64,335	64,400	64,516	63,993	63,143	3.1554	3.5870	3.5030	2.9066	2.9615	-0.0095	-0.0095	2.8772
Scotland	146	157	141	88	145	36,231	36,059	35,804	35,626	35,686	4.0297	4.3540	3.9381	2.4701	4.0632	0.0643	0.0643	4.8468
Stanly	191	196	185	177	182	60,631	61,061	61,255	61,447	62,443	3.1502	3.2099	3.0202	2.8805	2.9147	-0.0186	-0.0186	2.7517
Stokes	232	221	211	229	221	46,747	46,786	46,787	46,735	46,728	4.9629	4.7236	4.5098	4.9000	4.7295	-0.0104	-0.0104	4.5814
Surry	331	283	323	364	355	73,367	73,840	73,834	73,195	72,843	4.5116	3.8326	4.3747	4.9730	4.8735	0.0269	0.0269	5.2672
Swain	20	29	0	0	0	14,596	14,829	14,987	15,106	14,999	1.3702	1.9556	2.9720	2.9388	2.8739	0.2284	0.2284	0.0000
Transylvania	88	93	87	76	79	33,222	33,440	33,738	34,056	34,464	2.6488	2.7811	2.5787	2.2316	2.2922	-0.0326	-0.0326	2.0683
Tyrrell**	0	0	0	0	18	4,142	4,135	4,142	4,215	4,138	3.0457	3.0902	2.9720	2.9388	4.3499	0.1113	0.1113	5.8028
Union	459	451	425	435	425	211,558	215,956	220,546	224,030	228,171	2.1696	2.0884	1.9270	1.9417	1.8626	-0.0370	-0.0370	1.6562
Vance	97	60	55	50	49	45,070	45,078	45,022	45,113	44,862	2.1522	1.3310	1.2216	1.1083	1.0922	-0.1428	-0.1428	0.6245
Wake	2,305	2,310	2,253	2,290	2,199	964,928	985,320	1,005,367	1,029,789	1,048,771	2.3888	2.3444	2.2410	2.2238	2.0967	-0.0319	-0.0319	1.8962
Warren	72	71	24	80	78	20,457	20,524	20,514	20,469	20,133	3.5196	3.4594	1.1699	3.9083	3.8742	0.4133	0.4133	8.6774
Washington	42	42	43	42	42	12,830	12,682	12,646	12,508	12,349	3.2736	3.3118	3.4003	3.3579	3.4011	0.0097	0.0097	3.5000
Watauga	94	93	94	83	104	52,692	52,923	53,314	54,340	56,170	1.7840	1.7573	1.7631	1.5274	1.8515	0.0167	0.0167	1.9444
Wayne	563	502	512	490	497	125,143	125,689	125,912	124,900	124,945	4.4989	3.9940	4.0663	3.9231	3.9778	-0.0289	-0.0289	3.6335
Wilkes	197	196	190	140	166	69,774	69,890	70,000	69,663	70,536	2.8234	2.8044	2.7143	2.0097	2.3534	-0.0319	-0.0319	2.1285
Wilson	384	373	402	383	375	81,419	81,405	81,677	82,152	82,035	4.7163	4.5820	4.9218	4.6621	4.5712	-0.0066	-0.0066	4.4801
Yadkin	108	105	104	53	82	38,146	37,846	37,655	37,521	37,687	2.8312	2.7744	2.7619	1.4125	2.1758	0.0068	0.0068	2.2202
Yancey	72	71	82	78	80	17,919	17,915	17,915	17,980	18,199	4.0181	3.9632	4.5772	4.3382	4.3958	0.0256	0.0256	4.7333
State Total	30,037	30,759	29,883	29,854	29,523	9,861,952	9,953,687	10,054,722	10,158,475	10,272,692	3.0457	3.0902	2.9720	2.9388	2.8739	-0.0142		

* 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.