

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
	2016	2017	2018	2019	2021	2016	2017	2018	2019	2021	2016	2017	2018	2019	2021			
Alamance	570	574	559	595	408	159,371	161,076	165,749	170,483	173,384	3.5766	3.5635	3.3726	3.4901	2.3532	-0.0870	-0.0870	1.7387
Alexander	92	68	82	83	60	38,054	38,452	38,390	38,530	36,145	2.4176	1.7684	2.1360	2.1542	1.6600	-0.0704	-0.0704	1.3094
Alleghany	0	0	0	0	0	11,255	11,233	11,466	11,466	10,829	2.9388	2.8739	2.8239	2.6395	2.3278	-0.0557	-0.0557	0.0000
Anson	49	41	55	59	60	26,155	25,626	25,460	25,290	21,904	1.8734	1.5999	2.1603	2.3329	2.7392	0.1146	0.0596	3.2290
Ashe	103	103	99	97	35	27,318	27,218	27,551	27,861	26,444	3.7704	3.7843	3.5933	3.4816	1.3236	-0.1744	-0.1744	0.6309
Avery	90	89	81	92	76	17,837	18,072	17,913	18,022	17,775	5.0457	4.9247	4.5219	5.1049	4.2757	-0.0348	-0.0348	3.8290
Beaufort	112	114	91	91	88	47,827	47,547	47,438	47,480	44,120	2.3418	2.3976	1.9183	1.9166	1.9946	-0.0341	-0.0341	1.7907
Bertie	89	84	86	85	59	20,413	19,881	19,732	19,636	17,598	4.3600	4.2251	4.3584	4.3288	3.3527	-0.0579	-0.0579	2.7701
Bladen	72	77	73	74	65	35,011	34,393	34,298	34,497	28,771	2.0565	2.2388	2.1284	2.1451	2.2592	0.0251	0.0251	2.4293
Brunswick	151	211	251	225	217	125,712	131,726	136,126	142,088	140,411	1.2012	1.6018	1.8439	1.5835	1.5455	0.0799	0.0596	1.8218
Buncombe	735	841	813	826	676	257,931	261,532	262,483	264,056	272,880	2.8496	3.2157	3.0973	3.1281	2.4773	-0.0266	-0.0266	2.2795
Burke	282	284	268	310	235	89,274	90,246	91,555	91,810	86,783	3.1588	3.1470	2.9272	3.3765	2.7079	-0.0295	-0.0295	2.4680
Cabarrus	540	565	620	456	546	200,595	205,473	209,303	212,917	232,083	2.6920	2.7498	2.9622	2.1417	2.3526	-0.0199	-0.0199	2.2118
Caldwell	249	198	180	188	182	82,691	83,303	83,597	83,417	80,171	3.0112	2.3769	2.1532	2.2537	2.2701	-0.0627	-0.0627	1.8432
Camden	10	10	11	11	11	10,223	10,359	10,414	10,611	10,469	0.9782	0.9653	1.0563	1.0367	1.0507	0.0190	0.0190	1.1107
Carteret	145	164	191	149	152	70,115	70,190	70,619	71,163	67,311	2.0680	2.3365	2.7047	2.0938	2.2582	0.0350	0.0350	2.4954
Caswell	101	124	113	87	72	23,615	23,699	23,309	23,664	22,582	4.2769	5.2323	4.8479	3.6765	3.1884	-0.0561	-0.0561	2.6516
Catawba	526	518	521	499	424	156,106	156,949	157,978	159,494	161,909	3.3695	3.3004	3.2979	3.1286	2.6188	-0.0589	-0.0589	2.1561
Chatham	322	326	310	353	243	73,176	74,835	74,491	75,994	77,747	4.4003	4.3563	4.1616	4.6451	3.1255	-0.0664	-0.0664	2.5028
Cherokee	21	22	19	19	0	27,878	29,216	29,288	29,630	28,873	0.7533	0.7530	0.6487	0.6412	2.3278	0.6199	0.0596	0.0000
Chowan	106	100	106	94	71	14,418	14,292	14,123	14,114	13,640	7.3519	6.9969	7.5055	6.6601	5.2053	-0.0767	-0.0767	4.0080
Clay	50	46	50	50	43	11,089	11,488	11,646	11,860	11,066	4.5090	4.0042	4.2933	4.2159	3.8858	-0.0340	-0.0340	3.4892
Cleveland	315	319	301	293	300	97,997	98,580	98,717	99,776	100,541	3.2144	3.2360	3.0491	2.9366	2.9839	-0.0180	-0.0180	2.8231
Columbus	135	119	72	84	67	57,095	56,941	56,505	56,290	49,307	2.3645	2.0899	1.2742	1.4923	1.3588	-0.1062	-0.1062	0.9260
Craven	404	352	383	320	317	103,256	103,735	103,569	103,779	100,128	3.9126	3.3933	3.6980	3.0835	3.1659	-0.0456	-0.0456	2.7329
Cumberland	554	543	534	492	555	327,820	329,604	329,079	332,455	334,660	1.6900	1.6474	1.6227	1.4799	1.6584	-0.0019	-0.0019	1.6490
Currituck	61	63	66	72	42	26,194	26,604	27,321	27,526	29,305	2.3288	2.3681	2.4157	2.6157	1.4332	-0.0831	-0.0831	1.0760
Dare	72	68	73	68	67	36,411	36,792	37,197	37,290	37,342	1.9774	1.8482	1.9625	1.8235	1.7942	-0.0226	-0.0226	1.6726
Davidson	515	493	484	415	329	165,953	167,105	167,762	169,468	170,044	3.1033	2.9502	2.8850	2.4488	1.9348	-0.1081	-0.1081	1.3072
Davie	128	136	146	142	99	41,989	42,727	43,193	43,430	43,283	3.0484	3.1830	3.3802	3.2696	2.2873	-0.0568	-0.0568	1.8978
Duplin	312	287	296	315	188	59,868	59,513	59,629	59,736	47,043	5.2115	4.8225	4.9640	5.2732	3.9963	-0.0563	-0.0563	3.3215
Durham	771	702	751	760	685	302,332	306,184	311,649	315,741	329,973	2.5502	2.2927	2.4098	2.4070	2.0759	-0.0471	-0.0471	1.7823
Edgecombe	250	258	148	144	100	54,248	52,856	53,001	52,586	48,104	4.6085	4.8812	2.7924	2.7384	2.0788	-0.1572	-0.1572	1.0982
Forsyth	1,686	1,602	1,692	1,527	1,434	369,688	372,651	377,523	379,693	385,489	4.5606	4.2989	4.4818	4.0217	3.7200	-0.0481	-0.0481	3.1828
Franklin	90	101	124	153	98	64,925	66,514	67,723	69,112	70,436	1.3862	1.5185	1.8310	2.2138	1.3913	0.0347	0.0347	1.5361
Gaston	921	887	784	706	731	214,664	218,527	221,607	222,744	230,378	4.2904	4.0590	3.5378	3.1696	3.1730	-0.0713	-0.0713	2.4940
Gates	51	42	58	68	55	11,701	11,960	12,079	12,132	10,166	4.3586	3.5117	4.8017	5.6050	5.4102	0.0764	0.0596	6.3776

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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
	2016	2017	2018	2019	2021	2016	2017	2018	2019	2021	2016	2017	2018	2019	2021			
Graham	7	7	8	7	0	8,722	8,837	8,775	8,687	7,967	0.8026	0.7921	0.9117	0.8058	2.3278	0.4776	0.0596	0.0000
Granville	156	66	113	74	100	58,919	59,975	61,241	61,406	61,410	2.6477	1.1005	1.8452	1.2051	1.6284	0.0242	0.0242	1.7465
Greene	53	41	49	41	34	21,073	21,522	21,301	21,050	20,372	2.5151	1.9050	2.3004	1.9477	1.6690	-0.0829	-0.0829	1.2541
Guilford	1,625	1,614	1,551	1,587	1,318	521,368	523,962	533,213	539,666	547,379	3.1168	3.0804	2.9088	2.9407	2.4078	-0.0594	-0.0594	1.9787
Halifax	50	45	63	111	105	52,062	51,815	51,704	51,194	47,873	0.9604	0.8685	1.2185	2.1682	2.1933	0.2746	0.0596	2.5855
Harnett	470	515	482	452	397	128,597	130,847	133,869	135,239	134,847	3.6548	3.9359	3.6005	3.3422	2.9441	-0.0498	-0.0498	2.5043
Haywood	268	256	234	221	193	61,126	62,277	62,959	63,328	62,403	4.3844	4.1107	3.7167	3.4898	3.0928	-0.0833	-0.0833	2.3202
Henderson	422	342	328	404	396	113,806	116,173	117,312	118,312	117,408	3.7081	2.9439	2.7960	3.4147	3.3729	-0.0118	-0.0118	3.2532
Hertford	135	132	129	134	115	24,402	23,947	24,031	24,037	19,871	5.5323	5.5122	5.3681	5.5747	5.7873	0.0117	0.0117	5.9907
Hoke	124	128	74	144	129	52,833	53,343	54,923	54,842	52,331	2.3470	2.3996	1.3473	2.6257	2.4651	0.1179	0.0596	2.9058
Hyde*	0	24	0	0	0	5,678	5,644	5,449	5,181	4,482	2.9388	4.2523	2.8239	2.6395	2.3278	-0.0181	-0.0181	0.0000
Iredell	747	701	672	643	658	173,206	176,563	179,330	181,380	191,180	4.3128	3.9703	3.7473	3.5450	3.4418	-0.0547	-0.0547	2.8773
Jackson	108	108	101	107	93	41,909	43,116	44,272	44,335	43,147	2.5770	2.5049	2.2814	2.4134	2.1554	-0.0416	-0.0416	1.8867
Johnston	428	396	411	378	369	188,761	194,705	199,768	205,951	223,975	2.2674	2.0338	2.0574	1.8354	1.6475	-0.0754	-0.0754	1.2747
Jones	13	15	13	11	13	10,424	10,356	10,100	10,196	8,947	1.2471	1.4484	1.2871	1.0789	1.4530	0.0588	0.0588	1.7091
Lee	174	196	183	171	165	58,907	59,337	60,097	61,690	64,278	2.9538	3.3032	3.0451	2.7719	2.5670	-0.0309	-0.0309	2.3292
Lenoir	245	257	224	251	230	58,273	57,477	57,232	56,372	54,783	4.2043	4.4714	3.9139	4.4526	4.1984	0.0048	0.0048	4.2594
Lincoln	291	278	282	280	156	82,475	83,251	84,608	86,453	88,298	3.5283	3.3393	3.3330	3.2388	1.7667	-0.1346	-0.1346	1.0535
Macon	145	148	150	152	126	35,091	35,413	36,117	36,498	37,430	4.1321	4.1793	4.1532	4.1646	3.3663	-0.0459	-0.0459	2.9023
Madison	62	64	66	66	65	21,818	22,240	22,523	22,602	21,205	2.8417	2.8777	2.9303	2.9201	3.0653	0.0193	0.0193	3.2428
Martin	145	147	139	64	88	23,649	23,510	23,290	23,150	21,713	6.1313	6.2527	5.9682	2.7646	4.0529	-0.0241	-0.0241	3.7596
McDowell	273	300	296	292	259	45,485	45,716	46,358	46,684	44,350	6.0020	6.5623	6.3851	6.2548	5.8399	-0.0051	-0.0051	5.7506
Mecklenburg	2,216	2,390	2,370	1,892	1,946	1,055,826	1,077,301	1,093,708	1,108,107	1,133,504	2.0988	2.2185	2.1669	1.7074	1.7168	-0.0432	-0.0432	1.4943
Mitchell	61	64	73	78	68	15,328	15,237	15,234	15,239	14,836	3.9796	4.2003	4.7919	5.1184	4.5834	0.0400	0.0400	5.1332
Montgomery	147	149	140	138	108	27,894	27,865	27,926	27,666	25,705	5.2700	5.3472	5.0132	4.9881	4.2015	-0.0526	-0.0526	3.5382
Moore	496	509	502	499	383	95,789	97,597	99,310	101,180	101,649	5.1780	5.2153	5.0549	4.9318	3.7679	-0.0710	-0.0710	2.9655
Nash	321	302	303	303	237	94,280	94,365	95,072	95,647	95,116	3.4048	3.2003	3.1871	3.1679	2.4917	-0.0709	-0.0709	1.9616
New Hanover	692	707	681	684	594	223,152	227,261	233,595	235,560	227,782	3.1010	3.1110	2.9153	2.9037	2.6078	-0.0414	-0.0414	2.2839
Northampton	158	163	159	159	116	21,037	20,709	20,711	20,527	16,796	7.5106	7.8710	7.6771	7.7459	6.9064	-0.0190	-0.0190	6.5124
Onslow	254	257	264	164	184	196,830	195,621	198,783	201,548	206,718	1.2905	1.3138	1.3281	0.8137	0.8901	-0.0661	-0.0661	0.7136
Orange	347	366	361	362	329	141,704	142,365	144,372	147,093	150,258	2.4488	2.5709	2.5005	2.4610	2.1896	-0.0259	-0.0259	2.0194
Pamlico	38	40	52	67	39	13,177	13,268	13,273	13,266	12,140	2.8838	3.0148	3.9177	5.0505	3.2125	0.0675	0.0596	3.7869
Pasquotank	183	182	181	187	155	39,959	40,598	39,826	39,731	40,743	4.5797	4.4830	4.5448	4.7067	3.8043	-0.0409	-0.0409	3.3380
Pender	163	102	122	117	86	59,105	60,999	62,359	63,406	61,105	2.7578	1.6722	1.9564	1.8453	1.4074	-0.1294	-0.1294	0.8609
Perquimans	20	20	24	22	67	13,699	13,546	13,729	13,639	12,847	1.4600	1.4765	1.7481	1.6130	5.2152	0.5878	0.0596	6.1477
Person	160	161	156	151	70	39,712	39,868	40,014	40,370	39,044	4.0290	4.0383	3.8986	3.7404	1.7928	-0.1484	-0.1484	0.9947
Pitt	463	437	469	453	419	176,311	176,424	179,388	179,731	170,276	2.6260	2.4770	2.6144	2.5204	2.4607	-0.0152	-0.0152	2.3483

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Polk	122	117	104	103	100	20,927	21,154	21,468	21,696	18,957	5.8298	5.5309	4.8444	4.7474	5.2751	-0.0211	-0.0211	4.9417
Randolph	433	396	400	341	327	143,091	144,672	143,907	144,914	144,818	3.0260	2.7372	2.7796	2.3531	2.2580	-0.0685	-0.0685	1.7943
Richmond	137	134	146	146	111	45,301	44,892	45,032	45,079	42,475	3.0242	2.9849	3.2421	3.2388	2.6133	-0.0302	-0.0302	2.3762
Robeson	417	328	385	363	249	133,117	132,020	131,303	131,056	113,699	3.1326	2.4845	2.9321	2.7698	2.1900	-0.0729	-0.0729	1.7114
Rockingham	287	283	278	252	239	91,981	91,790	91,273	91,788	91,113	3.1202	3.0831	3.0458	2.7455	2.6231	-0.0418	-0.0418	2.2943
Rowan	562	521	443	442	381	140,963	141,917	142,342	142,643	147,817	3.9869	3.6712	3.1122	3.0986	2.5775	-0.1010	-0.1010	1.7966
Rutherford	312	300	320	322	291	67,665	67,796	68,772	68,908	64,178	4.6110	4.4250	4.6531	4.6729	4.5343	-0.0035	-0.0035	4.4860
Sampson	186	187	186	190	105	63,993	63,143	64,019	64,284	58,309	2.9066	2.9615	2.9054	2.9556	1.8008	-0.0934	-0.0934	1.2963
Scotland	88	145	95	101	19	35,626	35,686	35,802	35,732	33,682	2.4701	4.0632	2.6535	2.8266	0.5641	-0.1093	-0.1093	0.3791
Stanly	177	182	173	182	159	61,447	62,443	63,465	63,727	62,220	2.8805	2.9147	2.7259	2.8559	2.5554	-0.0276	-0.0276	2.3438
Stokes	229	221	220	221	118	46,735	46,728	46,604	46,420	44,344	4.9000	4.7295	4.7206	4.7609	2.6610	-0.1173	-0.1173	1.7246
Surry	364	355	387	336	231	73,195	72,843	73,117	73,232	71,195	4.9730	4.8735	5.2929	4.5882	3.2446	-0.0900	-0.0900	2.3687
Swain	0	0	21	43	47	15,106	14,999	14,862	14,275	14,059	2.9388	2.8739	1.4130	3.0123	3.3431	0.1778	0.0596	3.9408
Transylvania	76	79	98	96	86	34,056	34,464	35,034	35,484	32,785	2.2316	2.2922	2.7973	2.7054	2.6232	0.0461	0.0461	2.9856
Tyrrell**	0	18	49	42	36	4,215	4,138	4,309	4,259	3,101	2.9388	4.3499	11.3715	9.8615	11.6092	0.5347	0.0596	13.6849
Union	435	425	416	400	313	224,030	228,171	232,814	237,287	242,651	1.9417	1.8626	1.7868	1.6857	1.2899	-0.0932	-0.0932	0.9293
Vance	50	49	45	42	27	45,113	44,862	45,157	45,969	42,096	1.1083	1.0922	0.9965	0.9137	0.6414	-0.1208	-0.1208	0.4089
Wake	2,290	2,199	2,219	1,823	1,970	1,029,789	1,048,771	1,073,993	1,089,579	1,156,274	2.2238	2.0967	2.0661	1.6731	1.7037	-0.0609	-0.0609	1.3924
Warren	80	78	73	78	22	20,469	20,133	20,174	20,022	18,319	3.9083	3.8742	3.6185	3.8957	1.2009	-0.1725	-0.1725	0.5796
Washington	42	42	41	45	39	12,508	12,349	12,239	12,071	10,818	3.3579	3.4011	3.3499	3.7279	3.6051	0.0194	0.0194	3.8153
Watauga	83	104	105	101	93	54,340	56,170	57,646	57,899	53,639	1.5274	1.8515	1.8215	1.7444	1.7338	0.0369	0.0369	1.9257
Wayne	490	497	511	529	409	124,900	124,945	124,658	125,825	116,094	3.9231	3.9778	4.0992	4.2043	3.5230	-0.0230	-0.0230	3.2800
Wilkes	140	166	179	183	150	69,663	70,536	69,907	70,200	65,378	2.0097	2.3534	2.5605	2.6068	2.2943	0.0393	0.0393	2.5650
Wilson	383	375	374	293	241	82,152	82,035	81,968	82,282	78,284	4.6621	4.5712	4.5628	3.5609	3.0785	-0.0941	-0.0941	2.2095
Yadkin	53	82	113	115	101	37,521	37,687	38,477	38,196	37,081	1.4125	2.1758	2.9368	3.0108	2.7238	0.2050	0.0596	3.2108
Yancey	78	80	77	80	60	17,980	18,199	18,363	18,623	18,557	4.3382	4.3958	4.1932	4.2958	3.2333	-0.0639	-0.0639	2.6133
State Total	29,854	29,523	29,374	27,737	24,524	10,158,475	10,272,692	10,401,960	10,508,254	10,535,205	2.9388	2.8739	2.8239	2.6395	2.3278	-0.0557		

\* 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.