

Table 12C: 2019 Need Projections for Medicare-certified Home Health Agencies or Offices

Under Age 18								
County	Home Health Patients in 2016	COG's Average Annual Rate of Change in # Patients Served	Anticipated # of Patients Receiving Services in 2019	Geographic Unit's Use Rate per 1000 in 2016	COG's Average Annual Rate of Change in Use Rate	Anticipated Use Rate per 1000 in 2019	Projected 2019 Population	Potential Home Health Patients in 2019
Cherokee	1	40.7436%	2.22	0.2042	40.1832%	0.4503	4,845	2.18
Clay	1	40.7436%	2.22	0.5247	40.1832%	1.1571	1,907	2.21
Graham	0	40.7436%	0.00	0.0000	40.1832%	0.0000	1,761	0.00
Haywood	97	40.7436%	215.56	8.6646	40.1832%	19.1097	11,239	214.77
Jackson	23	40.7436%	51.11	3.1267	40.1832%	6.8959	7,385	50.93
Macon	26	40.7436%	57.78	3.9676	40.1832%	8.7506	6,671	58.38
Swain	4	40.7436%	8.89	1.1296	40.1832%	2.4914	3,730	9.29
<b>Region A Totals</b>	<b>152</b>	<b>40.7436%</b>	<b>337.79</b>	<b>4.0776</b>	<b>40.1832%</b>	<b>8.9931</b>	<b>37,538</b>	<b>337.76</b>
Buncombe	222	15.0276%	322.08	4.4367	14.5860%	6.3781	50,296	320.79
Henderson	79	15.0276%	114.62	3.5798	14.5860%	5.1463	22,030	113.37
Madison	15	15.0276%	21.76	3.7463	14.5860%	5.3855	3,907	21.04
Transylvania	32	15.0276%	46.43	5.6707	14.5860%	8.1521	5,752	46.89
<b>Region B Totals</b>	<b>348</b>	<b>15.0276%</b>	<b>504.89</b>	<b>4.2568</b>	<b>14.5860%</b>	<b>6.1195</b>	<b>81,985</b>	<b>502.10</b>
Cleveland	55	-5.1184%	46.55	2.5794	-4.2736%	2.2487	20,795	46.76
McDowell	55	-5.1184%	46.55	5.9057	-4.2736%	5.1486	9,012	46.40
Polk	5	-5.1184%	4.23	1.4347	-4.2736%	1.2508	3,399	4.25
Rutherford	38	-5.1184%	32.17	2.6891	-4.2736%	2.3444	13,859	32.49
<b>Region C Totals</b>	<b>153</b>	<b>-5.1184%</b>	<b>129.51</b>	<b>3.1709</b>	<b>-4.2736%</b>	<b>2.7643</b>	<b>47,065</b>	<b>129.90</b>
Alleghany	0	29.3822%	0.00	0.0000	30.4490%	0.0000	1,968	0.00
Ashe	0	29.3822%	0.00	0.0000	30.4490%	0.0000	4,856	0.00
Avery	4	29.3822%	7.53	1.4363	30.4490%	2.7483	2,726	7.49
Mitchell	12	29.3822%	22.58	4.2599	30.4490%	8.1511	2,801	22.83
Watauga	0	29.3822%	0.00	0.0000	30.4490%	0.0000	7,132	0.00
Wilkes	7	29.3822%	13.17	0.4870	30.4490%	0.9318	13,868	12.92
Yancey	17	29.3822%	31.98	5.0777	30.4490%	9.7160	3,338	32.43
<b>Region D Totals</b>	<b>40</b>	<b>29.3822%</b>	<b>75.26</b>	<b>1.0697</b>	<b>30.4490%</b>	<b>2.0468</b>	<b>36,689</b>	<b>75.68</b>
Alexander	10	-42.4512%	-2.74	1.2847	-41.9515%	-0.3321	7,528	-2.50
Burke	24	-42.4512%	-6.56	1.3143	-41.9515%	-0.3398	17,672	-6.00
Caldwell	27	-42.4512%	-7.39	1.5941	-41.9515%	-0.4122	16,220	-6.69
Catawba	28	-42.4512%	-7.66	0.7988	-41.9515%	-0.2065	34,144	-7.05
<b>Region E Totals</b>	<b>89</b>	<b>-42.4512%</b>	<b>-24.34</b>	<b>1.1405</b>	<b>-41.9515%</b>	<b>-0.2949</b>	<b>75,564</b>	<b>-22.24</b>
Anson	8	-13.7079%	4.71	1.5029	-14.4546%	0.8512	5,136	4.37
Cabarrus	84	-13.7079%	49.46	1.6543	-14.4546%	0.9369	51,779	48.51
Gaston	152	-13.7079%	89.49	3.0964	-14.4546%	1.7537	49,151	86.20
Iredell	49	-13.7079%	28.85	1.2430	-14.4546%	0.7040	39,320	27.68
Lincoln	22	-13.7079%	12.95	1.2676	-14.4546%	0.7179	17,167	12.32
Mecklenburg *	643	-13.7079%	378.57	2.5174	-14.4546%	1.4258	264,464	377.06
Rowan	13	-13.7079%	7.65	0.4091	-14.4546%	0.2317	31,612	7.32
Stanly	109	-13.7079%	64.18	8.3219	-14.4546%	4.7132	12,929	60.94
Union	94	-13.7079%	55.34	1.6017	-14.4546%	0.9072	57,749	52.39
<b>Region F Totals</b>	<b>1,174</b>	<b>-13.7079%</b>	<b>691.21</b>	<b>2.2536</b>	<b>-14.4546%</b>	<b>1.2763</b>	<b>529,307</b>	<b>676.80</b>
Alamance	26	-3.0348%	23.63	0.7327	-2.7404%	0.6725	35,756	24.05
Caswell	4	-3.0348%	3.64	0.9219	-2.7404%	0.8461	4,229	3.58
Davidson	22	-3.0348%	20.00	0.6035	-2.7404%	0.5539	35,685	19.77
Guilford	188	-3.0348%	170.88	1.6236	-2.7404%	1.4902	115,652	172.34
Montgomery	38	-3.0348%	34.54	6.0664	-2.7404%	5.5677	6,052	33.70
Randolph	263	-3.0348%	239.06	8.1437	-2.7404%	7.4742	31,105	232.48
Rockingham	18	-3.0348%	16.36	0.9470	-2.7404%	0.8692	18,513	16.09
<b>Region G Totals</b>	<b>559</b>	<b>-3.0348%</b>	<b>508.11</b>	<b>2.2393</b>	<b>-2.7404%</b>	<b>2.0552</b>	<b>246,992</b>	<b>502.00</b>

\* Adjustments for active duty military personnel have been applied to the Ages 18-64 population. A projected deficit of 325 patients is the threshold of need for a new home health agency.

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County	Home Health Patients in 2016	COG's Average Annual Rate of Change in # Patients Served	Anticipated # of Patients Receiving Services in 2019	Geographic Unit's Use Rate per 1000 in 2016	COG's Average Annual Rate of Change in Use Rate	Anticipated Use Rate per 1000 in 2019	Projected 2019 Population	Potential Home Health Patients in 2019
Davie	0	-20.3370%	0.00	0.0000	-19.9692%	0.0000	8,412	0.00
Forsyth	64	-20.3370%	24.95	0.7368	-19.9692%	0.2954	87,892	25.96
Stokes	4	-20.3370%	1.56	0.4500	-19.9692%	0.1804	8,588	1.55
Surry	8	-20.3370%	3.12	0.5125	-19.9692%	0.2055	15,050	3.09
Yadkin	1	-20.3370%	0.39	0.1258	-19.9692%	0.0504	7,609	0.38
<b>Region I Totals</b>	<b>77</b>	<b>-20.3370%</b>	<b>30.02</b>	<b>0.6016</b>	<b>-19.9692%</b>	<b>0.2412</b>	<b>127,551</b>	<b>30.99</b>
Chatham	6	-21.5660%	2.12	0.4241	-22.3724%	0.1395	14,163	1.98
Durham	44	-21.5660%	15.53	0.6229	-22.3724%	0.2048	75,196	15.40
Johnston	14	-21.5660%	4.94	0.2890	-22.3724%	0.0950	49,336	4.69
Lee	6	-21.5660%	2.12	0.4049	-22.3724%	0.1332	14,651	1.95
Moore *	13	-21.5660%	4.59	0.6520	-22.3724%	0.2144	20,285	4.35
Orange	20	-21.5660%	7.06	0.7453	-22.3724%	0.2451	26,595	6.52
Wake *	63	-21.5660%	22.24	0.2502	-22.3724%	0.0823	256,649	21.12
<b>Region J Totals</b>	<b>166</b>	<b>-21.5660%</b>	<b>58.60</b>	<b>0.3717</b>	<b>-22.3724%</b>	<b>0.1222</b>	<b>456,875</b>	<b>56.00</b>
Franklin	11	14.3452%	15.73	0.7561	14.8955%	1.0939	14,514	15.88
Granville	4	14.3452%	5.72	0.3371	14.8955%	0.4877	11,653	5.68
Person	3	14.3452%	4.29	0.3556	14.8955%	0.5145	8,387	4.32
Vance	7	14.3452%	10.01	0.6503	14.8955%	0.9409	10,518	9.90
Warren	4	14.3452%	5.72	1.0433	14.8955%	1.5095	3,814	5.76
<b>Region K Totals</b>	<b>29</b>	<b>14.3452%</b>	<b>41.48</b>	<b>0.5865</b>	<b>14.8955%</b>	<b>0.8485</b>	<b>48,886</b>	<b>41.53</b>
Edgecombe	5	-8.1706%	3.77	0.3975	-7.0554%	0.3134	12,222	3.83
Halifax	6	-8.1706%	4.53	0.5328	-7.0554%	0.4200	10,867	4.56
Nash	17	-8.1706%	12.83	0.8258	-7.0554%	0.6510	19,809	12.90
Northampton	0	-8.1706%	0.00	0.0000	-7.0554%	0.0000	3,885	0.00
Wilson	65	-8.1706%	49.07	3.4037	-7.0554%	2.6832	18,952	50.85
<b>Region L Totals</b>	<b>93</b>	<b>-8.1706%</b>	<b>70.20</b>	<b>1.3783</b>	<b>-7.0554%</b>	<b>1.0866</b>	<b>65,735</b>	<b>72.14</b>
Cumberland *	23	-33.0893%	0.17	0.2640	-33.3313%	0.0000	86,496	0.00
Harnett *	8	-33.0893%	0.06	0.2277	-33.3313%	0.0000	35,526	0.00
Sampson	44	-33.0893%	0.32	2.7795	-33.3313%	0.0002	15,416	0.00
<b>Region M Totals</b>	<b>75</b>	<b>-33.0893%</b>	<b>0.55</b>	<b>0.5431</b>	<b>-33.3313%</b>	<b>0.0000</b>	<b>137,438</b>	<b>0.00</b>
Bladen	21	-16.3161%	10.72	2.8302	-15.7527%	1.4927	7,243	10.81
Hoke *	4	-16.3161%	2.04	0.2442	-15.7527%	0.1288	17,171	2.21
Richmond	10	-16.3161%	5.11	0.9573	-15.7527%	0.5049	10,137	5.12
Robeson	62	-16.3161%	31.65	1.8753	-15.7527%	0.9891	31,637	31.29
Scotland	29	-16.3161%	14.81	3.4577	-15.7527%	1.8237	8,237	15.02
<b>Region N Totals</b>	<b>126</b>	<b>-16.3161%</b>	<b>64.33</b>	<b>1.6646</b>	<b>-15.7527%</b>	<b>0.8780</b>	<b>74,425</b>	<b>64.45</b>
Brunswick	58	-26.9282%	11.14	2.6640	-27.5666%	0.4609	22,487	10.36
Columbus	28	-26.9282%	5.38	2.2645	-27.5666%	0.3918	11,947	4.68
New Hanover *	49	-26.9282%	9.42	1.1530	-27.5666%	0.1995	43,206	8.62
Pender	15	-26.9282%	2.88	1.2134	-27.5666%	0.2099	12,801	2.69
<b>Region O Totals</b>	<b>150</b>	<b>-26.9282%</b>	<b>28.82</b>	<b>1.6855</b>	<b>-27.5666%</b>	<b>0.2916</b>	<b>90,441</b>	<b>26.35</b>

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Carteret *	2	-31.5374%	0.11	0.1615	-32.1630%	0.0057	12,178	0.07
Craven *	5	-31.5374%	0.27	0.1908	-32.1630%	0.0067	26,545	0.18
Duplin	9	-31.5374%	0.48	0.6183	-32.1630%	0.0217	14,289	0.31
Greene	0	-31.5374%	0.00	0.0000	-32.1630%	0.0000	4,392	0.00
Jones	0	-31.5374%	0.00	0.0000	-32.1630%	0.0000	2,055	0.00
Lenoir	7	-31.5374%	0.38	0.5348	-32.1630%	0.0188	12,799	0.24
Onslow *	38	-31.5374%	2.05	0.6660	-32.1630%	0.0234	61,701	1.44
Pamlico	0	-31.5374%	0.00	0.0000	-32.1630%	0.0000	2,073	0.00
Wayne *	27	-31.5374%	1.45	0.8810	-32.1630%	0.0309	30,875	0.96
<b>Region P Totals</b>	<b>88</b>	<b>-31.5374%</b>	<b>4.74</b>	<b>0.5409</b>	<b>-32.1630%</b>	<b>0.0190</b>	<b>166,907</b>	<b>3.20</b>
Beaufort	0	9.6078%	0.00	0.0000	9.7081%	0.0000	9,545	0.00
Bertie	2	9.6078%	2.58	0.5155	9.7081%	0.6656	3,847	2.56
Hertford	2	9.6078%	2.58	0.4126	9.7081%	0.5328	4,745	2.53
Martin	10	9.6078%	12.88	2.0263	9.7081%	2.6165	4,822	12.62
Pitt	4	9.6078%	5.15	0.1028	9.7081%	0.1328	38,965	5.17
<b>Region Q Totals</b>	<b>18</b>	<b>9.6078%</b>	<b>23.19</b>	<b>0.2880</b>	<b>9.7081%</b>	<b>0.3719</b>	<b>61,924</b>	<b>22.88</b>
Camden	0	-19.4808%	0.00	0.0000	-19.4246%	0.0000	2,028	0.00
Chowan	5	-19.4808%	2.08	1.6556	-19.4246%	0.6908	2,898	2.00
Currituck	4	-19.4808%	1.66	0.7219	-19.4246%	0.3012	5,698	1.72
Dare	9	-19.4808%	3.74	1.2985	-19.4246%	0.5418	7,071	3.83
Gates	0	-19.4808%	0.00	0.0000	-19.4246%	0.0000	2,203	0.00
Hyde	0	-19.4808%	0.00	0.0000	-19.4246%	0.0000	964	0.00
Pasquotank *	8	-19.4808%	3.32	0.8697	-19.4246%	0.3629	9,215	3.34
Perquimans	1	-19.4808%	0.42	0.3836	-19.4246%	0.1601	2,603	0.42
Tyrrell	2	-19.4808%	0.83	2.5740	-19.4246%	1.0740	780	0.84
Washington	8	-19.4808%	3.32	2.9641	-19.4246%	1.2368	2,677	3.31
<b>Region R Totals</b>	<b>37</b>	<b>-19.4808%</b>	<b>15.38</b>	<b>1.0219</b>	<b>-19.4246%</b>	<b>0.4264</b>	<b>36,137</b>	<b>15.46</b>
<b>Grand Totals</b>	<b>3,374</b>	<b>-13.5260%</b>	<b>2,559.72</b>	<b>1.4613</b>	<b>-13.8005%</b>	<b>0.8563</b>	<b>2,321,459</b>	<b>2,534.99</b>

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Cherokee	142	16.0485%	210.37	9.3680	15.6942%	13.7787	14,901	205.32
Clay	50	16.0485%	74.07	8.3822	15.6942%	12.3288	5,901	72.75
Graham	57	16.0485%	84.44	11.7550	15.6942%	17.2895	4,771	82.49
Haywood	470	16.0485%	696.28	13.4416	15.6942%	19.7703	35,380	699.47
Jackson	197	16.0485%	291.85	7.3819	15.6942%	10.8574	26,961	292.73
Macon	183	16.0485%	271.11	9.7087	15.6942%	14.2799	19,015	271.53
Swain	87	16.0485%	128.89	9.9816	15.6942%	14.6812	8,809	129.33
<b>Region A Totals</b>	<b>1,186</b>	<b>16.0485%</b>	<b>1,757.01</b>	<b>10.2960</b>	<b>15.6942%</b>	<b>15.1437</b>	<b>115,738</b>	<b>1,753.62</b>
Buncombe	1,790	0.6910%	1,827.11	11.2385	-0.0615%	11.2178	162,937	1,827.79
Henderson	941	0.6910%	960.51	15.0478	-0.0615%	15.0201	64,030	961.73
Madison	170	0.6910%	173.52	12.9052	-0.0615%	12.8814	13,199	170.02
Transylvania	243	0.6910%	248.04	13.3707	-0.0615%	13.3461	18,266	243.78
<b>Region B Totals</b>	<b>3,144</b>	<b>0.6910%</b>	<b>3,209.18</b>	<b>12.4193</b>	<b>-0.0615%</b>	<b>12.3964</b>	<b>258,432</b>	<b>3,203.32</b>
Cleveland	1,145	0.4952%	1,162.01	19.2875	0.7191%	19.7036	58,967	1,161.86
McDowell	521	0.4952%	528.74	19.0675	0.7191%	19.4788	27,268	531.15
Polk	121	0.4952%	122.80	10.5163	0.7191%	10.7431	11,428	122.77
Rutherford	610	0.4952%	619.06	15.2917	0.7191%	15.6216	39,614	618.83
<b>Region C Totals</b>	<b>2,397</b>	<b>0.4952%</b>	<b>2,432.61</b>	<b>17.3587</b>	<b>0.7191%</b>	<b>17.7332</b>	<b>137,277</b>	<b>2,434.61</b>
Alleghany	57	9.9532%	74.02	8.8372	10.2342%	11.5505	6,536	75.49
Ashe	145	9.9532%	188.30	9.1947	10.2342%	12.0177	15,350	184.47
Avery	127	9.9532%	164.92	11.2003	10.2342%	14.6391	11,221	164.26
Mitchell	144	9.9532%	187.00	16.1399	10.2342%	21.0952	8,774	185.09
Watauga	138	9.9532%	179.21	3.5467	10.2342%	4.6357	39,689	183.99
Wilkes	772	9.9532%	1,002.52	18.7279	10.2342%	24.4778	40,840	999.67
Yancey	133	9.9532%	172.71	12.8789	10.2342%	16.8330	10,188	171.49
<b>Region D Totals</b>	<b>1,516</b>	<b>9.9532%</b>	<b>1,968.67</b>	<b>11.4037</b>	<b>10.2342%</b>	<b>14.9050</b>	<b>132,598</b>	<b>1,964.47</b>
Alexander	328	-7.1203%	257.94	14.1997	-6.9536%	11.2376	23,060	259.14
Burke	696	-7.1203%	547.33	12.9001	-6.9536%	10.2090	53,929	550.56
Caldwell	736	-7.1203%	578.78	14.5495	-6.9536%	11.5143	50,524	581.75
Catawba	1,340	-7.1203%	1,053.76	14.1119	-6.9536%	11.1681	94,860	1,059.40
<b>Region E Totals</b>	<b>3,100</b>	<b>-7.1203%</b>	<b>2,437.81</b>	<b>13.9268</b>	<b>-6.9536%</b>	<b>11.0215</b>	<b>222,373</b>	<b>2,450.85</b>
Anson	214	-6.5971%	171.65	13.0131	-8.0663%	9.8641	16,375	161.52
Cabarrus	1,128	-6.5971%	904.76	9.0875	-8.0663%	6.8885	132,415	912.14
Gaston	2,224	-6.5971%	1,783.84	16.7915	-8.0663%	12.7282	135,579	1,725.67
Iredell	1,194	-6.5971%	957.69	11.0855	-8.0663%	8.4030	113,698	955.40
Lincoln	767	-6.5971%	615.20	14.9207	-8.0663%	11.3101	53,107	600.65
Mecklenburg *	5,466	-6.5971%	4,384.21	7.9486	-8.0663%	6.0251	727,117	4,380.96
Rowan	1,201	-6.5971%	963.31	13.9713	-8.0663%	10.5904	86,618	917.32
Stanly	347	-6.5971%	278.32	9.3169	-8.0663%	7.0624	37,238	262.99
Union	941	-6.5971%	754.77	6.7987	-8.0663%	5.1535	147,498	760.14
<b>Region F Totals</b>	<b>13,482</b>	<b>-6.5971%</b>	<b>10,813.75</b>	<b>9.7595</b>	<b>-8.0663%</b>	<b>7.3979</b>	<b>1,449,645</b>	<b>10,676.78</b>
Alamance	1,164	2.1076%	1,237.60	11.9168	1.7345%	12.5369	100,844	1,264.27
Caswell	198	2.1076%	210.52	13.4666	1.7345%	14.1674	14,401	204.02
Davidson	1,250	2.1076%	1,329.04	12.3389	1.7345%	12.9809	102,336	1,328.41
Guilford	3,565	2.1076%	3,790.41	10.7968	1.7345%	11.3586	334,492	3,799.37
Montgomery	169	2.1076%	179.69	10.4263	1.7345%	10.9688	16,223	177.95
Randolph	1,293	2.1076%	1,374.75	14.8744	1.7345%	15.6484	86,917	1,360.11
Rockingham	888	2.1076%	944.15	15.9784	1.7345%	16.8098	54,668	918.96
<b>Region G Totals</b>	<b>8,527</b>	<b>2.1076%</b>	<b>9,066.15</b>	<b>12.1366</b>	<b>1.7345%</b>	<b>12.7681</b>	<b>709,881</b>	<b>9,053.10</b>

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Table 12C: 2019 Need Projections for Medicare-certified Home Health Agencies or Offices

Ages 18-64								
County	Home Health Patients in 2016	COG's Average Annual Rate of Change in # Patients Served	Anticipated # of Patients Receiving Services in 2019	Geographic Unit's Use Rate per 1000 in 2016	COG's Average Annual Rate of Change in Use Rate	Anticipated Use Rate per 1000 in 2019	Projected 2019 Population	Potential Home Health Patients in 2019
Davie	336	-0.9742%	326.18	13.3524	-1.1939%	12.8742	25,374	326.67
Forsyth	2,509	-0.9742%	2,435.67	11.0316	-1.1939%	10.6365	231,856	2,466.13
Stokes	372	-0.9742%	361.13	12.8715	-1.1939%	12.4105	28,466	353.28
Surry	556	-0.9742%	539.75	12.7225	-1.1939%	12.2669	43,566	534.42
Yadkin	305	-0.9742%	296.09	13.5225	-1.1939%	13.0382	22,209	289.57
<b>Region I Totals</b>	<b>4,078</b>	<b>-0.9742%</b>	<b>3,958.81</b>	<b>11.7265</b>	<b>-1.1939%</b>	<b>11.3065</b>	<b>351,471</b>	<b>3,970.06</b>
Chatham	259	0.1343%	260.04	6.2335	-1.5281%	5.9477	42,826	254.72
Durham	1,255	0.1343%	1,260.05	6.3947	-1.5281%	6.1015	201,628	1,230.24
Johnston	775	0.1343%	778.12	6.6559	-1.5281%	6.3508	124,616	791.41
Lee	368	0.1343%	369.48	10.5620	-1.5281%	10.0778	34,511	347.79
Moore *	514	0.1343%	516.07	10.2952	-1.5281%	9.8233	51,479	505.69
Orange	476	0.1343%	477.92	4.9223	-1.5281%	4.6967	98,378	462.05
Wake *	4,249	0.1343%	4,266.11	6.3726	-1.5281%	6.0805	708,257	4,306.57
<b>Region J Totals</b>	<b>7,896</b>	<b>0.1343%</b>	<b>7,927.80</b>	<b>6.5665</b>	<b>-1.5281%</b>	<b>6.2655</b>	<b>1,261,695</b>	<b>7,898.47</b>
Franklin	504	1.3405%	524.27	12.5755	1.1007%	12.9907	41,097	533.88
Granville	305	1.3405%	317.27	8.0701	1.1007%	8.3365	38,140	317.96
Person	239	1.3405%	248.61	9.9405	1.1007%	10.2688	23,833	244.74
Vance	325	1.3405%	338.07	12.1787	1.1007%	12.5808	26,438	332.61
Warren	182	1.3405%	189.32	15.1844	1.1007%	15.6858	11,680	183.21
<b>Region K Totals</b>	<b>1,555</b>	<b>1.3405%</b>	<b>1,617.53</b>	<b>11.0608</b>	<b>1.1007%</b>	<b>11.4260</b>	<b>141,188</b>	<b>1,612.39</b>
Edgecombe	463	-1.7760%	438.33	14.5228	-0.9324%	14.1165	30,988	437.44
Halifax	288	-1.7760%	272.65	9.3491	-0.9324%	9.0876	29,522	268.28
Nash	685	-1.7760%	648.50	11.9661	-0.9324%	11.6314	56,274	654.55
Northampton	122	-1.7760%	115.50	9.8954	-0.9324%	9.6186	12,027	115.68
Wilson	774	-1.7760%	732.76	15.6992	-0.9324%	15.2600	49,699	758.41
<b>Region L Totals</b>	<b>2,332</b>	<b>-1.7760%</b>	<b>2,207.75</b>	<b>12.8441</b>	<b>-0.9324%</b>	<b>12.4848</b>	<b>178,510</b>	<b>2,234.36</b>
Cumberland *	1,366	-2.0171%	1,283.34	7.7589	-1.9249%	7.3108	171,109	1,250.94
Harnett *	796	-2.0171%	747.83	10.8768	-1.9249%	10.2487	75,417	772.93
Sampson	486	-2.0171%	456.59	12.9579	-1.9249%	12.2097	37,163	453.75
<b>Region M Totals</b>	<b>2,648</b>	<b>-2.0171%</b>	<b>2,487.76</b>	<b>9.2347</b>	<b>-1.9249%</b>	<b>8.7014</b>	<b>283,689</b>	<b>2,477.62</b>
Bladen	350	4.1093%	393.15	16.7761	4.4011%	18.9911	20,471	388.77
Hoke *	166	4.1093%	186.46	5.7945	4.4011%	6.5595	31,368	205.76
Richmond	319	4.1093%	358.33	11.7249	4.4011%	13.2730	26,866	356.59
Robeson	1,466	4.1093%	1,646.73	18.0306	4.4011%	20.4113	80,575	1,644.64
Scotland	543	4.1093%	609.94	25.6410	4.4011%	29.0265	20,381	591.59
<b>Region N Totals</b>	<b>2,844</b>	<b>4.1093%</b>	<b>3,194.61</b>	<b>15.8704</b>	<b>4.4011%</b>	<b>17.9658</b>	<b>179,661</b>	<b>3,187.34</b>
Brunswick	1,018	3.8583%	1,135.83	14.8843	2.6284%	16.0580	71,788	1,152.77
Columbus	834	3.8583%	930.54	24.2252	2.6284%	26.1354	34,334	897.33
New Hanover *	1,634	3.8583%	1,823.13	11.4002	2.6284%	12.2991	147,276	1,811.36
Pender	491	3.8583%	547.83	13.4938	2.6284%	14.5578	38,436	559.55
<b>Region O Totals</b>	<b>3,977</b>	<b>3.8583%</b>	<b>4,437.34</b>	<b>14.0759</b>	<b>2.6284%</b>	<b>15.1858</b>	<b>291,834</b>	<b>4,421.01</b>

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Ages 18-64								
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Carteret *	321	3.9453%	358.99	7.9355	4.5762%	9.0250	40,047	361.42
Craven *	588	3.9453%	657.59	10.9516	4.5762%	12.4551	52,038	648.14
Duplin	477	3.9453%	533.46	13.5308	4.5762%	15.3884	34,898	537.02
Greene	152	3.9453%	169.99	11.4484	4.5762%	13.0201	13,148	171.19
Jones	74	3.9453%	82.76	11.7816	4.5762%	13.3990	6,161	82.55
Lenoir	626	3.9453%	700.09	18.2088	4.5762%	20.7086	33,818	700.32
Onslow *	990	3.9453%	1,107.18	10.7043	4.5762%	12.1739	92,525	1,126.39
Pamlico	58	3.9453%	64.86	7.7582	4.5762%	8.8232	7,266	64.11
Wayne *	1,039	3.9453%	1,161.97	14.3808	4.5762%	16.3551	72,393	1,184.00
<b>Region P Totals</b>	<b>4,325</b>	<b>3.9453%</b>	<b>4,836.90</b>	<b>12.1645</b>	<b>4.5762%</b>	<b>13.8345</b>	<b>352,294</b>	<b>4,875.14</b>
Beaufort	368	2.8192%	399.12	13.6859	3.0947%	14.9565	26,419	395.14
Bertie	196	2.8192%	212.58	15.5667	3.0947%	17.0119	12,119	206.17
Hertford	117	2.8192%	126.90	7.7019	3.0947%	8.4170	14,854	125.03
Martin	238	2.8192%	258.13	17.3280	3.0947%	18.9368	13,227	250.48
Pitt	1,111	2.8192%	1,204.96	9.5732	3.0947%	10.4620	115,938	1,212.94
<b>Region Q Totals</b>	<b>2,030</b>	<b>2.8192%</b>	<b>2,201.69</b>	<b>11.0052</b>	<b>3.0947%</b>	<b>12.0269</b>	<b>182,557</b>	<b>2,189.75</b>
Camden	25	-9.2210%	18.08	3.8724	-9.4038%	2.7799	6,433	17.88
Chowan	84	-9.2210%	60.76	10.4141	-9.4038%	7.4761	7,707	57.62
Currituck	151	-9.2210%	109.23	9.0631	-9.4038%	6.5063	17,642	114.78
Dare	184	-9.2210%	133.10	8.2622	-9.4038%	5.9313	22,302	132.28
Gates	47	-9.2210%	34.00	6.4854	-9.4038%	4.6558	7,127	33.18
Hyde	0	-9.2210%	0.00	0.0000	-9.4038%	0.0000	3,500	0.00
Pasquotank *	257	-9.2210%	185.91	10.6666	-9.4038%	7.6574	24,011	183.86
Perquimans	64	-9.2210%	46.30	8.5039	-9.4038%	6.1048	7,566	46.19
Tyrrell	17	-9.2210%	12.30	6.4811	-9.4038%	4.6527	2,584	12.02
Washington	120	-9.2210%	86.80	17.0916	-9.4038%	12.2698	6,595	80.92
<b>Region R Totals</b>	<b>949</b>	<b>-9.2210%</b>	<b>686.48</b>	<b>8.9837</b>	<b>-9.4038%</b>	<b>6.4493</b>	<b>105,467</b>	<b>678.74</b>
<b>Grand Totals</b>	<b>65,986</b>	<b>-0.7726%</b>	<b>65,241.85</b>	<b>10.6215</b>	<b>-1.4918%</b>	<b>10.1462</b>	<b>6,354,310</b>	<b>65,081.66</b>

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Table 12C: 2019 Need Projections for Medicare-certified Home Health Agencies or Offices

Ages 65-74								
County	Home Health Patients in 2016	COG's Average Annual Rate of Change in # Patients Served	Anticipated # of Patients Receiving Services in 2019	Geographic Unit's Use Rate per 1000 in 2016	COG's Average Annual Rate of Change in Use Rate	Anticipated Use Rate per 1000 in 2019	Projected 2019 Population	Potential Home Health Patients in 2019
Cherokee	134	8.0992%	166.56	29.1178	5.6244%	34.0309	4,606	156.75
Clay	47	8.0992%	58.42	24.7368	5.6244%	28.9107	1,930	55.80
Graham	37	8.0992%	45.99	32.0902	5.6244%	37.5048	1,113	41.74
Haywood	419	8.0992%	520.81	50.2579	5.6244%	58.7380	8,736	513.14
Jackson	189	8.0992%	234.92	40.4451	5.6244%	47.2695	4,867	230.06
Macon	222	8.0992%	275.94	41.8079	5.6244%	48.8623	5,527	270.06
Swain	81	8.0992%	100.68	47.2579	5.6244%	55.2318	1,779	98.26
<b>Region A Totals</b>	<b>1,129</b>	<b>8.0992%</b>	<b>1,403.32</b>	<b>40.7743</b>	<b>5.6244%</b>	<b>47.6543</b>	<b>28,558</b>	<b>1,365.80</b>
Buncombe	1,550	0.9756%	1,595.37	54.7007	-2.8609%	50.0059	31,524	1,576.39
Henderson	827	0.9756%	851.21	52.3550	-2.8609%	47.8616	16,573	793.21
Madison	180	0.9756%	185.27	64.9585	-2.8609%	59.3833	3,072	182.43
Transylvania	251	0.9756%	258.35	47.1805	-2.8609%	43.1311	5,440	234.63
<b>Region B Totals</b>	<b>2,808</b>	<b>0.9756%</b>	<b>2,890.19</b>	<b>53.7694</b>	<b>-2.8609%</b>	<b>49.1546</b>	<b>56,609</b>	<b>2,786.66</b>
Cleveland	917	3.8983%	1,024.24	87.6925	1.4285%	91.4505	11,122	1,017.11
McDowell	353	3.8983%	394.28	68.2126	1.4285%	71.1358	5,586	397.36
Polk	131	3.8983%	146.32	41.1561	1.4285%	42.9199	3,331	142.97
Rutherford	514	3.8983%	574.11	64.2741	1.4285%	67.0285	8,258	553.52
<b>Region C Totals</b>	<b>1,915</b>	<b>3.8983%</b>	<b>2,138.96</b>	<b>71.4232</b>	<b>1.4285%</b>	<b>74.4841</b>	<b>28,297</b>	<b>2,110.96</b>
Alleghany	61	11.9014%	82.78	39.1528	9.5847%	50.4107	1,595	80.41
Ashe	101	11.9014%	137.06	27.4680	9.5847%	35.3662	3,852	136.23
Avery	122	11.9014%	165.56	58.5132	9.5847%	75.3381	2,206	166.20
Mitchell	143	11.9014%	194.06	72.1130	9.5847%	92.8483	2,020	187.55
Watauga	174	11.9014%	236.13	35.0171	9.5847%	45.0859	5,377	242.43
Wilkes	594	11.9014%	806.08	73.2249	9.5847%	94.2799	8,487	800.15
Yancey	148	11.9014%	200.84	60.7055	9.5847%	78.1607	2,502	195.56
<b>Region D Totals</b>	<b>1,343</b>	<b>11.9014%</b>	<b>1,822.51</b>	<b>54.1052</b>	<b>9.5847%</b>	<b>69.6626</b>	<b>26,039</b>	<b>1,808.52</b>
Alexander	244	-4.2966%	212.55	56.4162	-6.6481%	45.1643	4,483	202.47
Burke	643	-4.2966%	560.12	64.6556	-6.6481%	51.7605	10,355	535.98
Caldwell	639	-4.2966%	556.63	70.6233	-6.6481%	56.5380	9,605	543.05
Catawba	1,065	-4.2966%	927.72	67.2518	-6.6481%	53.8389	16,663	897.12
<b>Region E Totals</b>	<b>2,591</b>	<b>-4.2966%</b>	<b>2,257.02</b>	<b>66.1746</b>	<b>-6.6481%</b>	<b>52.9765</b>	<b>41,106</b>	<b>2,178.62</b>
Anson	178	-2.1017%	166.78	68.9655	-6.7331%	55.0350	2,739	150.74
Cabarrus	896	-2.1017%	839.51	57.2305	-6.7331%	45.6703	17,421	795.62
Gaston	1,774	-2.1017%	1,662.15	87.8131	-6.7331%	70.0755	22,012	1,542.50
Iredell	1,098	-2.1017%	1,028.77	69.0132	-6.7331%	55.0730	17,495	963.50
Lincoln	707	-2.1017%	662.42	81.4422	-6.7331%	64.9915	9,564	621.58
Mecklenburg *	4,053	-2.1017%	3,797.46	58.2395	-6.7331%	46.4755	80,424	3,737.75
Rowan	934	-2.1017%	875.11	68.0312	-6.7331%	54.2894	15,069	818.09
Stanly	308	-2.1017%	288.58	47.0876	-6.7331%	37.5762	6,947	261.04
Union	854	-2.1017%	800.15	49.5647	-6.7331%	39.5530	18,987	750.99
<b>Region F Totals</b>	<b>10,802</b>	<b>-2.1017%</b>	<b>10,120.93</b>	<b>63.4956</b>	<b>-6.7331%</b>	<b>50.6699</b>	<b>190,658</b>	<b>9,641.81</b>
Alamance	1,025	5.0829%	1,181.30	69.2380	1.4567%	72.2638	16,311	1,178.70
Caswell	148	5.0829%	170.57	52.6316	1.4567%	54.9317	3,027	166.28
Davidson	1,026	5.0829%	1,182.45	60.4917	1.4567%	63.1353	18,051	1,139.66
Guilford	2,967	5.0829%	3,419.43	66.6816	1.4567%	69.5957	49,310	3,431.77
Montgomery	194	5.0829%	223.58	59.6373	1.4567%	62.2435	3,376	210.13
Randolph	998	5.0829%	1,150.18	69.8097	1.4567%	72.8605	15,020	1,094.37
Rockingham	691	5.0829%	796.37	68.8727	1.4567%	71.8826	10,810	777.05
<b>Region G Totals</b>	<b>7,049</b>	<b>5.0829%</b>	<b>8,123.88</b>	<b>66.0922</b>	<b>1.4567%</b>	<b>68.9805</b>	<b>115,905</b>	<b>7,997.94</b>

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Davie	284	4.3494%	321.06	60.6319	1.0783%	62.5933	5,125	320.79
Forsyth	2,187	4.3494%	2,472.36	67.6817	1.0783%	69.8712	35,854	2,505.16
Stokes	340	4.3494%	384.36	64.6142	1.0783%	66.7044	5,555	370.54
Surry	605	4.3494%	683.94	76.4855	1.0783%	78.9597	8,291	654.65
Yadkin	281	4.3494%	317.67	70.4437	1.0783%	72.7225	4,076	296.42
<b>Region I Totals</b>	<b>3,697</b>	<b>4.3494%</b>	<b>4,179.39</b>	<b>68.2632</b>	<b>1.0783%</b>	<b>70.4715</b>	<b>58,901</b>	<b>4,147.57</b>
Chatham	392	9.0420%	498.33	39.0905	3.0701%	42.6909	11,363	485.10
Durham	1,129	9.0420%	1,435.25	52.0205	3.0701%	56.8116	25,438	1,445.17
Johnston	724	9.0420%	920.39	47.5284	3.0701%	51.9059	17,521	909.44
Lee	392	9.0420%	498.33	73.5874	3.0701%	80.3649	5,545	445.62
Moore *	591	9.0420%	751.31	45.7856	3.0701%	50.0025	13,616	680.83
Orange	477	9.0420%	606.39	41.0252	3.0701%	44.8037	13,616	610.05
Wake *	3,948	9.0420%	5,018.94	56.9032	3.0701%	62.1441	81,417	5,059.58
<b>Region J Totals</b>	<b>7,653</b>	<b>9.0420%</b>	<b>9,728.95</b>	<b>52.3436</b>	<b>3.0701%</b>	<b>57.1645</b>	<b>168,516</b>	<b>9,635.80</b>
Franklin	449	9.2364%	573.41	70.7087	4.8465%	80.9893	7,120	576.64
Granville	273	9.2364%	348.65	47.8947	4.8465%	54.8583	6,309	346.10
Person	252	9.2364%	321.83	58.6592	4.8465%	67.1879	4,687	314.91
Vance	274	9.2364%	349.92	60.6732	4.8465%	69.4947	4,826	335.38
Warren	156	9.2364%	199.23	60.1156	4.8465%	68.8561	2,735	188.32
<b>Region K Totals</b>	<b>1,404</b>	<b>9.2364%</b>	<b>1,793.04</b>	<b>59.8542</b>	<b>4.8465%</b>	<b>68.5566</b>	<b>25,677</b>	<b>1,761.36</b>
Edgecombe	373	8.4257%	467.28	64.0563	4.6565%	73.0046	6,451	470.95
Halifax	337	8.4257%	422.18	58.6291	4.6565%	66.8192	6,218	415.48
Nash	611	8.4257%	765.44	60.8687	4.6565%	69.3717	10,959	760.24
Northampton	147	8.4257%	184.16	56.6474	4.6565%	64.5607	2,700	174.31
Wilson	584	8.4257%	731.62	71.8592	4.6565%	81.8975	9,053	741.42
<b>Region L Totals</b>	<b>2,052</b>	<b>8.4257%</b>	<b>2,570.68</b>	<b>63.4685</b>	<b>4.6565%</b>	<b>72.3347</b>	<b>35,381</b>	<b>2,562.41</b>
Cumberland *	1,020	3.9396%	1,140.55	43.3581	0.3522%	43.8162	26,044	1,141.15
Harnett *	633	3.9396%	707.81	66.4358	0.3522%	67.1377	10,391	697.63
Sampson	451	3.9396%	504.30	73.0483	0.3522%	73.8201	6,640	490.17
<b>Region M Totals</b>	<b>2,104</b>	<b>3.9396%</b>	<b>2,352.67</b>	<b>53.6365</b>	<b>0.3522%</b>	<b>54.2032</b>	<b>43,075</b>	<b>2,328.94</b>
Bladen	277	5.3823%	321.73	68.6493	1.4987%	71.7358	4,360	312.77
Hoke *	162	5.3823%	188.16	53.1496	1.4987%	55.5392	3,663	203.44
Richmond	316	5.3823%	367.02	67.9570	1.4987%	71.0123	4,990	354.35
Robeson	793	5.3823%	921.05	67.5756	1.4987%	70.6138	12,678	895.24
Scotland	370	5.3823%	429.74	98.6141	1.4987%	103.0478	4,030	415.28
<b>Region N Totals</b>	<b>1,918</b>	<b>5.3823%</b>	<b>2,227.70</b>	<b>70.4629</b>	<b>1.4987%</b>	<b>73.6309</b>	<b>29,721</b>	<b>2,181.08</b>
Brunswick	1,262	5.3531%	1,464.67	53.2849	0.6473%	54.3197	25,498	1,385.04
Columbus	557	5.3531%	646.45	91.0726	0.6473%	92.8411	6,401	594.28
New Hanover *	1,446	5.3531%	1,678.22	66.1180	0.6473%	67.4019	23,903	1,611.11
Pender	463	5.3531%	537.35	72.4003	0.6473%	73.8063	7,083	522.77
<b>Region O Totals</b>	<b>3,728</b>	<b>5.3531%</b>	<b>4,326.69</b>	<b>64.2039</b>	<b>0.6473%</b>	<b>65.4507</b>	<b>62,885</b>	<b>4,113.20</b>

\* Adjustments for active duty military personnel have been applied to the Ages 18-64 population. A projected deficit of 325 patients is the threshold of need for a new home health agency.



Table 12C: 2019 Need Projections for Medicare-certified Home Health Agencies or Offices

Ages 65-74								
County	Home Health Patients in 2016	COG's Average Annual Rate of Change in # Patients Served	Anticipated # of Patients Receiving Services in 2019	Geographic Unit's Use Rate per 1000 in 2016	COG's Average Annual Rate of Change in Use Rate	Anticipated Use Rate per 1000 in 2019	Projected 2019 Population	Potential Home Health Patients in 2019
Carteret *	381	5.7367%	446.57	38.6410	3.3841%	42.5640	10,457	445.09
Craven *	596	5.7367%	698.57	63.4312	3.3841%	69.8710	9,207	643.30
Duplin	383	5.7367%	448.91	66.2744	3.3841%	73.0029	6,077	443.64
Greene	123	5.7367%	144.17	64.4654	3.3841%	71.0102	2,146	152.39
Jones	77	5.7367%	90.25	64.3813	3.3841%	70.9175	1,314	93.19
Lenoir	540	5.7367%	632.93	87.1811	3.3841%	96.0321	6,711	644.47
Onslow *	753	5.7367%	882.59	72.5434	3.3841%	79.9082	11,553	923.18
Pamlico	77	5.7367%	90.25	37.4150	3.3841%	41.2135	2,117	87.25
Wayne *	752	5.7367%	881.42	68.7072	3.3841%	75.6826	11,956	904.86
<b>Region P Totals</b>	<b>3,682</b>	<b>5.7367%</b>	<b>4,315.68</b>	<b>63.7951</b>	<b>3.3841%</b>	<b>70.2719</b>	<b>61,538</b>	<b>4,337.37</b>
Beaufort	391	6.9942%	473.04	58.3321	2.9548%	63.5029	6,988	443.76
Bertie	121	6.9942%	146.39	55.7090	2.9548%	60.6473	2,347	142.34
Hertford	101	6.9942%	122.19	40.3677	2.9548%	43.9461	2,758	121.20
Martin	209	6.9942%	252.85	70.7995	2.9548%	77.0755	3,154	243.10
Pitt	919	6.9942%	1,111.83	71.1190	2.9548%	77.4234	14,558	1,127.13
<b>Region Q Totals</b>	<b>1,741</b>	<b>6.9942%</b>	<b>2,106.31</b>	<b>63.8876</b>	<b>2.9548%</b>	<b>69.5509</b>	<b>29,805</b>	<b>2,077.53</b>
Camden	22	-1.7389%	20.85	22.7743	-4.9238%	19.4102	1,014	19.68
Chowan	84	-1.7389%	79.62	45.8515	-4.9238%	39.0785	1,862	72.76
Currituck	123	-1.7389%	116.58	47.4171	-4.9238%	40.4129	2,882	116.47
Dare	191	-1.7389%	181.04	42.0705	-4.9238%	35.8560	5,019	179.96
Gates	41	-1.7389%	38.86	32.4624	-4.9238%	27.6672	1,304	36.08
Hyde	0	-1.7389%	0.00	0.0000	-4.9238%	0.0000	716	0.00
Pasquotank *	231	-1.7389%	218.95	64.8694	-4.9238%	55.2872	3,763	208.05
Perquimans	76	-1.7389%	72.04	37.7921	-4.9238%	32.2097	2,023	65.16
Tyrrell	26	-1.7389%	24.64	63.2603	-4.9238%	53.9158	437	23.56
Washington	96	-1.7389%	90.99	60.3774	-4.9238%	51.4587	1,681	86.50
<b>Region R Totals</b>	<b>890</b>	<b>-1.7389%</b>	<b>843.57</b>	<b>45.9450</b>	<b>-4.9238%</b>	<b>39.1582</b>	<b>20,701</b>	<b>808.22</b>
<b>Grand Totals</b>	<b>56,506</b>	<b>3.6118%</b>	<b>63,201.49</b>	<b>60.5976</b>	<b>-0.3997%</b>	<b>59.8709</b>	<b>1,023,372</b>	<b>61,843.80</b>

\* Adjustments for active duty military personnel have been applied to the Ages 18-64 population. A projected deficit of 325 patients is the threshold of need for a new home health agency.

Table 12C: 2019 Need Projections for Medicare-certified Home Health Agencies or Offices

Ages 75 and Over								
County	Home Health Patients in 2016	COG's Average Annual Rate of Change in # Patients Served	Anticipated # of Patients Receiving Services in 2019	Geographic Unit's Use Rate per 1000 in 2016	COG's Average Annual Rate of Change in Use Rate	Anticipated Use Rate per 1000 in 2019	Projected 2019 Population	Potential Home Health Patients in 2019
Cherokee	385	23.3564%	654.77	119.5652	18.8823%	187.2953	3,690	691.12
Clay	251	23.3564%	426.87	190.4401	18.8823%	298.3187	1,505	448.97
Graham	110	23.3564%	187.08	123.3184	18.8823%	193.1746	977	188.73
Haywood	888	23.3564%	1,510.21	133.9771	18.8823%	209.8711	7,256	1,522.82
Jackson	398	23.3564%	676.88	124.6477	18.8823%	195.2568	3,630	708.78
Macon	500	23.3564%	850.35	114.1813	18.8823%	178.8616	4,835	864.80
Swain	118	23.3564%	200.68	103.9648	18.8823%	162.8577	1,246	202.92
<b>Region A Totals</b>	<b>2,650</b>	<b>23.3564%</b>	<b>4,506.83</b>	<b>127.6186</b>	<b>18.8823%</b>	<b>199.9107</b>	<b>23,139</b>	<b>4,628.14</b>
Buncombe	2,962	-1.2358%	2,852.19	146.0264	-3.9098%	128.8983	22,472	2,896.60
Henderson	1,769	-1.2358%	1,703.42	131.9362	-3.9098%	116.4607	14,949	1,740.97
Madison	290	-1.2358%	279.25	155.0802	-3.9098%	136.8901	2,100	287.47
Transylvania	628	-1.2358%	604.72	127.6682	-3.9098%	112.6934	5,536	623.87
<b>Region B Totals</b>	<b>5,649</b>	<b>-1.2358%</b>	<b>5,439.57</b>	<b>139.5469</b>	<b>-3.9098%</b>	<b>123.1788</b>	<b>45,057</b>	<b>5,548.91</b>
Cleveland	1,662	3.1976%	1,821.43	242.5569	1.2501%	251.6537	7,384	1,858.21
McDowell	588	3.1976%	644.41	160.0871	1.2501%	166.0910	3,973	659.88
Polk	286	3.1976%	313.44	103.8867	1.2501%	107.7828	3,037	327.34
Rutherford	721	3.1976%	790.16	127.7010	1.2501%	132.4903	6,111	809.65
<b>Region C Totals</b>	<b>3,257</b>	<b>3.1976%</b>	<b>3,569.44</b>	<b>172.1095</b>	<b>1.2501%</b>	<b>178.5642</b>	<b>20,505</b>	<b>3,655.07</b>
Alleghany	119	8.7957%	150.40	97.0636	5.8447%	114.0828	1,352	154.24
Ashe	333	8.7957%	420.87	117.1298	5.8447%	137.6674	3,081	424.15
Avery	296	8.7957%	374.11	181.8182	5.8447%	213.6983	1,740	371.84
Mitchell	282	8.7957%	356.41	175.5915	5.8447%	206.3798	1,706	352.08
Watauga	380	8.7957%	480.27	110.4651	5.8447%	129.8341	3,947	512.46
Wilkes	1,039	8.7957%	1,313.16	174.4752	5.8447%	205.0678	6,468	1,326.38
Yancey	299	8.7957%	377.90	160.1500	5.8447%	188.2308	2,012	378.72
<b>Region D Totals</b>	<b>2,748</b>	<b>8.7957%</b>	<b>3,473.11</b>	<b>148.0205</b>	<b>5.8447%</b>	<b>173.9745</b>	<b>20,306</b>	<b>3,519.87</b>
Alexander	390	-4.1832%	341.06	137.0344	-6.3206%	111.0502	3,256	361.58
Burke	1,061	-4.1832%	927.85	149.1216	-6.3206%	120.8454	7,684	928.58
Caldwell	923	-4.1832%	807.17	150.8170	-6.3206%	122.2193	6,673	815.57
Catawba	1,989	-4.1832%	1,739.39	193.7841	-6.3206%	157.0391	11,265	1,769.04
<b>Region E Totals</b>	<b>4,363</b>	<b>-4.1832%</b>	<b>3,815.46</b>	<b>165.6102</b>	<b>-6.3206%</b>	<b>134.2074</b>	<b>28,878</b>	<b>3,874.77</b>
Anson	253	-0.8731%	246.37	140.0886	-3.9965%	123.2929	1,905	234.87
Cabarrus	1,613	-0.8731%	1,570.75	160.7214	-3.9965%	141.4519	11,531	1,631.08
Gaston	2,848	-0.8731%	2,773.40	220.3482	-3.9965%	193.9298	14,010	2,716.96
Iredell	1,989	-0.8731%	1,936.90	195.6137	-3.9965%	172.1609	11,643	2,004.47
Lincoln	1,046	-0.8731%	1,018.60	207.7870	-3.9965%	182.8747	5,876	1,074.57
Mecklenburg *	7,342	-0.8731%	7,149.69	172.6554	-3.9965%	151.9552	49,347	7,498.53
Rowan	1,486	-0.8731%	1,447.08	156.5529	-3.9965%	137.7832	10,194	1,404.56
Stanly	498	-0.8731%	484.96	109.1148	-3.9965%	96.0326	5,001	480.26
Union	1,516	-0.8731%	1,476.29	156.1920	-3.9965%	137.4656	11,904	1,636.39
<b>Region F Totals</b>	<b>18,591</b>	<b>-0.8731%</b>	<b>18,104.03</b>	<b>174.9659</b>	<b>-3.9965%</b>	<b>153.9886</b>	<b>121,411</b>	<b>18,681.70</b>
Alamance	2,118	5.8284%	2,488.34	185.6917	3.7958%	206.8373	12,416	2,568.09
Caswell	270	5.8284%	317.21	153.3220	3.7958%	170.7815	1,955	333.88
Davidson	1,665	5.8284%	1,956.13	148.1976	3.7958%	165.0735	12,259	2,023.64
Guilford	5,653	5.8284%	6,641.44	182.9805	3.7958%	203.8174	33,782	6,885.36
Montgomery	285	5.8284%	334.83	131.4576	3.7958%	146.4272	2,443	357.72
Randolph	2,058	5.8284%	2,417.84	215.0021	3.7958%	239.4854	10,494	2,513.16
Rockingham	1,271	5.8284%	1,493.24	172.5496	3.7958%	192.1986	7,761	1,491.65
<b>Region G Totals</b>	<b>13,320</b>	<b>5.8284%</b>	<b>15,649.02</b>	<b>179.0274</b>	<b>3.7958%</b>	<b>199.4141</b>	<b>81,110</b>	<b>16,173.50</b>

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Table 12C: 2019 Need Projections for Medicare-certified Home Health Agencies or Offices

Ages 75 and Over								
County	Home Health Patients in 2016	COG's Average Annual Rate of Change in # Patients Served	Anticipated # of Patients Receiving Services in 2019	Geographic Unit's Use Rate per 1000 in 2016	COG's Average Annual Rate of Change in Use Rate	Anticipated Use Rate per 1000 in 2019	Projected 2019 Population	Potential Home Health Patients in 2019
Davie	563	2.6541%	607.83	162.4820	1.0678%	167.6868	3,817	640.06
Forsyth	4,631	2.6541%	4,999.73	200.7021	1.0678%	207.1313	25,025	5,183.46
Stokes	614	2.6541%	662.89	166.7119	1.0678%	172.0523	4,054	697.50
Surry	1,154	2.6541%	1,245.88	193.2351	1.0678%	199.4251	6,290	1,254.38
Yadkin	500	2.6541%	539.81	165.1255	1.0678%	170.4151	3,233	550.95
<b>Region I Totals</b>	<b>7,462</b>	<b>2.6541%</b>	<b>8,056.14</b>	<b>190.2504</b>	<b>1.0678%</b>	<b>196.3448</b>	<b>42,419</b>	<b>8,326.36</b>
Chatham	674	6.9856%	815.25	90.4577	2.6867%	97.7486	8,912	871.14
Durham	2,138	6.9856%	2,586.06	155.6381	2.6867%	168.1826	15,378	2,586.31
Johnston	1,213	6.9856%	1,467.21	140.2150	2.6867%	151.5164	10,176	1,541.83
Lee	544	6.9856%	658.01	138.7401	2.6867%	149.9227	4,198	629.38
Moore *	1,080	6.9856%	1,306.34	93.6768	2.6867%	101.2272	12,714	1,287.00
Orange	953	6.9856%	1,152.72	145.6964	2.6867%	157.4396	7,786	1,225.82
Wake *	7,908	6.9856%	9,565.28	192.8169	2.6867%	208.3581	49,605	10,335.60
<b>Region J Totals</b>	<b>14,510</b>	<b>6.9856%</b>	<b>17,550.85</b>	<b>156.2853</b>	<b>2.6867%</b>	<b>168.8821</b>	<b>108,769</b>	<b>18,477.09</b>
Franklin	596	1.5194%	623.17	150.9625	-1.0098%	146.3893	4,559	667.39
Granville	448	1.5194%	468.42	125.8781	-1.0098%	122.0647	4,008	489.24
Person	434	1.5194%	453.78	147.7698	-1.0098%	143.2933	3,189	456.96
Vance	413	1.5194%	431.83	131.2361	-1.0098%	127.2604	3,366	428.36
Warren	280	1.5194%	292.76	136.3194	-1.0098%	132.1897	2,256	298.22
<b>Region K Totals</b>	<b>2,171</b>	<b>1.5194%</b>	<b>2,269.96</b>	<b>138.7664</b>	<b>-1.0098%</b>	<b>134.5626</b>	<b>17,378</b>	<b>2,340.17</b>
Edgecombe	551	2.7709%	596.80	138.9309	1.5486%	145.3852	4,235	615.71
Halifax	568	2.7709%	615.22	133.7415	1.5486%	139.9547	4,373	612.02
Nash	1,100	2.7709%	1,191.44	171.5801	1.5486%	179.5512	6,968	1,251.11
Northampton	244	2.7709%	264.28	112.8585	1.5486%	118.1015	2,313	273.17
Wilson	1,032	2.7709%	1,117.79	183.4341	1.5486%	191.9559	6,170	1,184.37
<b>Region L Totals</b>	<b>3,495</b>	<b>2.7709%</b>	<b>3,785.53</b>	<b>155.9432</b>	<b>1.5486%</b>	<b>163.1879</b>	<b>24,059</b>	<b>3,936.38</b>
Cumberland *	1,876	1.1293%	1,939.56	123.0890	-1.4101%	117.8821	16,533	1,948.94
Harnett *	1,082	1.1293%	1,118.66	176.3939	-1.4101%	168.9320	6,839	1,155.33
Sampson	697	1.1293%	720.61	155.4762	-1.4101%	148.8992	4,774	710.84
<b>Region M Totals</b>	<b>3,655</b>	<b>1.1293%</b>	<b>3,778.82</b>	<b>141.3489</b>	<b>-1.4101%</b>	<b>135.3695</b>	<b>28,146</b>	<b>3,815.11</b>
Bladen	430	0.7040%	439.08	159.6732	-1.1685%	154.0761	2,937	452.52
Hoke *	264	0.7040%	269.58	156.0284	-1.1685%	150.5590	1,960	295.10
Richmond	399	0.7040%	407.43	133.0887	-1.1685%	128.4234	3,125	401.32
Robeson	938	0.7040%	957.81	133.7325	-1.1685%	129.0447	7,453	961.77
Scotland	476	0.7040%	486.05	206.0606	-1.1685%	198.8374	2,461	489.34
<b>Region N Totals</b>	<b>2,507</b>	<b>0.7040%</b>	<b>2,559.95</b>	<b>150.0569</b>	<b>-1.1685%</b>	<b>144.7968</b>	<b>17,936</b>	<b>2,600.05</b>
Brunswick	1,711	4.6252%	1,948.41	144.2421	0.3436%	145.7291	15,478	2,255.60
Columbus	842	4.6252%	958.83	201.0986	0.3436%	203.1718	4,408	895.58
New Hanover *	2,670	4.6252%	3,040.48	180.0405	0.3436%	181.8965	16,898	3,073.69
Pender	655	4.6252%	745.89	165.3623	0.3436%	167.0670	4,551	760.32
<b>Region O Totals</b>	<b>5,878</b>	<b>4.6252%</b>	<b>6,693.61</b>	<b>168.7141</b>	<b>0.3436%</b>	<b>170.4534</b>	<b>41,335</b>	<b>6,985.19</b>

\* Adjustments for active duty military personnel have been applied to the Ages 18-64 population. A projected deficit of 325 patients is the threshold of need for a new home health agency.

Table 12C: 2019 Need Projections for Medicare-certified Home Health Agencies or Offices

Ages 75 and Over								
County	Home Health Patients in 2016	COG's Average Annual Rate of Change in # Patients Served	Anticipated # of Patients Receiving Services in 2019	Geographic Unit's Use Rate per 1000 in 2016	COG's Average Annual Rate of Change in Use Rate	Anticipated Use Rate per 1000 in 2019	Projected 2019 Population	Potential Home Health Patients in 2019
Carteret *	824	4.9191%	945.60	127.9503	2.8001%	138.6984	7,313	1,014.30
Craven *	984	4.9191%	1,129.21	125.1590	2.8001%	135.6726	8,257	1,120.25
Duplin	742	4.9191%	851.50	173.3645	2.8001%	187.9274	4,603	865.03
Greene	209	4.9191%	239.84	162.0155	2.8001%	175.6251	1,386	243.42
Jones	118	4.9191%	135.41	136.8910	2.8001%	148.3901	896	132.96
Lenoir	952	4.9191%	1,092.49	206.4628	2.8001%	223.8061	4,751	1,063.30
Onslow *	1,234	4.9191%	1,416.11	173.8028	2.8001%	188.4026	7,824	1,474.06
Pamlico	93	4.9191%	106.72	59.8841	2.8001%	64.9145	1,740	112.95
Wayne *	1,369	4.9191%	1,571.03	167.9961	2.8001%	182.1081	8,683	1,581.24
<b>Region P Totals</b>	<b>6,525</b>	<b>4.9191%</b>	<b>7,487.92</b>	<b>154.8153</b>	<b>2.8001%</b>	<b>167.8201</b>	<b>45,453</b>	<b>7,607.51</b>
Beaufort	531	5.5115%	618.80	123.4310	3.7069%	137.1575	4,875	668.64
Bertie	246	5.5115%	286.67	138.9831	3.7069%	154.4391	1,796	277.37
Hertford	165	5.5115%	192.28	88.6144	3.7069%	98.4690	1,976	194.57
Martin	367	5.5115%	427.68	181.0557	3.7069%	201.1906	2,157	433.97
Pitt	1,473	5.5115%	1,716.55	174.6088	3.7069%	194.0267	9,196	1,784.27
<b>Region Q Totals</b>	<b>2,782</b>	<b>5.5115%</b>	<b>3,241.99</b>	<b>151.2203</b>	<b>3.7069%</b>	<b>168.0372</b>	<b>20,000</b>	<b>3,358.83</b>
Camden	34	-0.6576%	33.33	52.9595	-3.5853%	47.2632	748	35.35
Chowan	151	-0.6576%	148.02	100.6667	-3.5853%	89.8389	1,586	142.48
Currituck	186	-0.6576%	182.33	133.0472	-3.5853%	118.7366	1,682	199.72
Dare	260	-0.6576%	254.87	97.3783	-3.5853%	86.9042	3,093	268.79
Gates	54	-0.6576%	52.93	60.3352	-3.5853%	53.8455	1,012	54.49
Hyde	1	-0.6576%	0.98	2.3474	-3.5853%	2.0949	458	0.96
Pasquotank *	385	-0.6576%	377.40	155.4300	-3.5853%	138.7119	2,667	369.94
Perquimans	155	-0.6576%	151.94	99.6785	-3.5853%	88.9570	1,798	159.94
Tyrrell	38	-0.6576%	37.25	94.0594	-3.5853%	83.9424	414	34.75
Washington	134	-0.6576%	131.36	111.8531	-3.5853%	99.8221	1,318	131.57
<b>Region R Totals</b>	<b>1,398</b>	<b>-0.6576%</b>	<b>1,370.42</b>	<b>106.1907</b>	<b>-3.5853%</b>	<b>94.7688</b>	<b>14,776</b>	<b>1,398.01</b>
<b>Grand Totals</b>	<b>100,961</b>	<b>3.0480%</b>	<b>111,352.67</b>	<b>161.0293</b>	<b>0.2565%</b>	<b>162.2686</b>	<b>700,677</b>	<b>114,926.65</b>

\* Adjustments for active duty military personnel have been applied to the Ages 18-64 population. A projected deficit of 325 patients is the threshold of need for a new home health agency.