

Table 17E-2: MRI Need Determinations by Service Area

DRAFT - 09/14/2022

A Service Area	B Adjusted Scans			C Average Annual Change Rates	D AACR Projected Scans	E Population Growth	F Population Growth Used	G Population Projected Scans	H Fixed Equip	I Average Scans	J Threshold	K MRI Need
	2018	2019	2021									
	Alamance	10,607.2	11,226.3									
Alexander	0.0	0.0	0.0	0.0000	0.0	-0.0078	0.0000	0.0	0.00	0.0	1872	0
Alleghany	105.3	19.6	0.0	-0.9068	0.0	-0.0016	0.0000	0.0	0.00	0.0	1872	0
Anson	71.0	114.6	106.0	0.2698	134.6	-0.0093	0.0000	134.6	0.00	0.0	1872	0
Ashe	1,190.9	903.4	779.6	-0.1892	632.1	-0.0082	0.0000	632.1	1.00	632.1	4368	0
Avery	389.4	203.0	0.0	-0.7394	0.0	-0.0010	0.0000	0.0	0.00	0.0	1872	0
Beaufort	2,295.9	2,437.8	2,820.8	0.1095	3,129.6	-0.0235	0.0000	3,129.6	1.00	3,129.6	4368	0
Bertie	0.0	0.0	0.0	0.0000	0.0	-0.0261	0.0000	0.0	0.00	0.0	1872	0
Bladen	779.7	711.3	316.6	-0.3213	214.9	-0.0552	0.0000	214.9	0.00	0.0	1872	0
Brunswick	8,880.3	8,233.6	12,139.3	0.2008	14,576.5	0.0693	0.0693	15,586.8	2.84	5,495.8	4992	1
Buncombe/Graham/Madison/Yancey	44,128.0	49,273.3	47,045.8	0.0357	48,725.2	0.0301	0.0301	50,189.5	12.03	4,171.8	4992	0
Burke	8,191.6	9,644.0	9,066.7	0.0587	9,599.1	-0.0046	0.0000	9,599.1	2.73	3,521.1	4992	0
Cabarrus	29,717.1	31,247.5	29,832.9	0.0031	29,925.9	0.0581	0.0581	31,663.2	7.79	4,066.9	4992	0
Caldwell	4,511.6	4,135.3	4,802.0	0.0389	4,988.9	-0.0052	0.0000	4,988.9	1.34	3,729.5	4368	0
Carteret	7,151.2	5,601.8	8,157.7	0.1198	9,135.0	0.0018	0.0018	9,151.2	2.13	4,293.5	4992	0
Catawba	18,387.3	20,815.0	21,201.5	0.0753	22,798.0	0.0229	0.0229	23,320.4	5.37	4,339.3	4992	0
Chatham	798.8	909.4	878.9	0.0525	925.0	0.0488	0.0488	970.2	0.00	0.0	1872	0
Cherokee/Clay	1,884.9	2,011.3	2,287.6	0.1022	2,521.4	0.0254	0.0254	2,585.4	1.00	2,585.4	4368	0
Chowan	2,243.6	2,111.8	2,138.8	-0.0230	2,089.6	-0.0018	0.0000	2,089.6	1.00	2,089.6	4368	0
Cleveland	8,015.0	8,798.0	10,357.5	0.1375	11,781.4	0.0194	0.0194	12,010.4	2.19	5,488.5	4992	1
Columbus	2,948.5	3,123.0	3,212.3	0.0439	3,353.3	-0.0552	0.0000	3,353.3	1.00	3,353.3	4368	0
Craven/Jones/Pamlico	14,888.6	14,265.0	16,809.6	0.0682	17,956.8	-0.0098	0.0000	17,956.8	4.00	4,489.2	4992	0
Cumberland	33,933.1	29,389.2	33,507.4	0.0031	33,611.6	0.0002	0.0002	33,618.1	7.01	4,794.1	4992	0
Dare	2,665.1	2,541.1	2,529.9	-0.0255	2,465.4	0.0320	0.0320	2,544.3	1.00	2,544.3	4368	0
Davidson	6,762.2	6,702.2	7,437.1	0.0504	7,811.9	0.0199	0.0199	7,967.1	2.00	3,983.5	4992	0
Davie	2,248.2	2,471.2	3,062.2	0.1692	3,580.3	0.0324	0.0324	3,696.4	1.37	2,704.5	4368	0
Duplin	1,611.8	1,733.1	1,846.4	0.0703	1,976.3	-0.0680	0.0000	1,976.3	0.72	1,976.3	1872	1
Durham/Caswell	80,632.7	83,142.0	86,748.0	0.0372	89,979.0	0.0395	0.0395	93,537.6	16.97	5,512.2	4992	1
Edgecombe	2,659.1	2,864.2	2,502.4	-0.0246	2,440.8	-0.0332	0.0000	2,440.8	1.00	2,440.8	4368	0
Forsyth	87,216.9	93,662.7	92,123.9	0.0287	94,771.4	0.0243	0.0243	97,077.5	20.52	4,730.4	4992	0
Franklin	0.0	0.0	40.3	0.0000	40.3	0.0694	0.0694	43.1	1.00	43.1	4368	0
Gaston	23,534.8	23,009.0	23,458.0	-0.0014	23,424.8	0.0188	0.0188	23,864.5	6.28	3,801.0	4992	0
Granville	1,617.9	1,741.4	2,004.6	0.1137	2,232.5	0.0332	0.0332	2,306.5	1.14	2,025.1	4368	0
Guilford	68,049.2	64,803.5	65,997.5	-0.0146	65,031.5	0.0298	0.0298	66,969.6	15.02	4,460.1	4992	0
Halifax/Northampton	2,491.3	2,503.8	2,243.1	-0.0495	2,132.0	-0.0313	0.0000	2,132.0	1.00	2,132.0	4368	0
Harnett	4,055.3	4,160.8	4,474.9	0.0507	4,702.0	0.0365	0.0365	4,873.8	2.19	2,228.8	4992	0
Haywood	5,107.8	5,166.2	4,845.7	-0.0253	4,723.1	0.0185	0.0185	4,810.6	2.00	2,405.3	4992	0

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	2018	2019	2021									
	Henderson	9,969.0	9,264.5									
Hertford/Gates	2,312.0	2,495.2	2,182.9	-0.0230	2,132.8	-0.0534	0.0000	2,132.8	1.00	2,132.8	4368	0
Hoke	968.4	1,540.2	2,017.6	0.4502	2,925.9	0.0298	0.0298	3,013.1	2.38	1,267.8	4992	0
Iredell	20,463.4	19,731.8	20,337.1	-0.0025	20,285.5	0.0593	0.0593	21,487.9	6.51	3,298.3	4992	0
Jackson	3,873.5	3,686.3	3,274.0	-0.0801	3,011.7	0.0072	0.0072	3,033.4	2.00	1,516.7	4992	0
Johnston	11,619.9	11,718.4	11,628.5	0.0004	11,633.1	0.0779	0.0779	12,539.9	2.96	4,239.7	4992	0
Lee	2,372.6	2,268.7	2,740.6	0.0821	2,965.6	0.0392	0.0392	3,081.7	1.11	2,766.3	4368	0
Lenoir	3,653.6	3,607.5	3,796.6	0.0199	3,872.2	-0.0096	0.0000	3,872.2	1.00	3,872.2	4368	0
Lincoln	5,852.5	6,141.3	6,754.6	0.0746	7,258.5	0.0266	0.0266	7,451.6	3.00	2,483.9	4992	0
Macon	3,058.6	3,140.3	2,503.9	-0.0880	2,283.6	0.0306	0.0306	2,353.5	2.00	1,176.7	4992	0
Martin	485.3	477.5	516.3	0.0326	533.1	-0.0256	0.0000	533.1	0.00	0.0	1872	0
McDowell	2,789.4	3,102.5	2,992.8	0.0385	3,107.9	-0.0032	0.0000	3,107.9	1.16	2,671.8	4368	0
Mecklenburg	150,362.9	156,962.5	161,373.5	0.0360	167,182.5	0.0604	0.0604	177,275.9	33.65	5,268.4	4992	1
Mitchell	1,501.0	1,705.2	1,539.9	0.0195	1,570.0	-0.0088	0.0000	1,570.0	1.00	1,570.0	4368	0
Montgomery	383.0	373.3	450.6	0.0909	491.6	0.0002	0.0002	491.6	0.00	0.0	1872	0
Moore	23,351.5	24,499.0	20,895.8	-0.0490	19,872.5	0.0505	0.0505	20,875.9	5.00	4,175.2	4992	0
Nash	6,382.6	7,244.2	7,201.8	0.0646	7,666.8	0.0050	0.0050	7,705.5	2.13	3,612.2	4992	0
New Hanover	40,489.5	48,158.8	42,486.5	0.0358	44,008.2	0.0389	0.0389	45,719.0	9.08	5,035.3	4992	1
Onslow	9,861.2	9,411.5	10,394.3	0.0294	10,700.0	0.0326	0.0326	11,048.9	3.13	3,525.7	4992	0
Orange	45,943.8	52,070.9	51,565.7	0.0618	54,754.0	0.0293	0.0293	56,360.6	11.74	4,799.5	4992	0
Pasquotank/Camden/Currituck/Perquimans	5,300.3	5,559.9	5,680.7	0.0353	5,881.5	0.0371	0.0371	6,099.9	2.60	2,346.7	4992	0
Pender	412.6	618.4	18.5	-0.2357	14.1	0.0474	0.0474	14.8	0.00	0.0	1872	0
Person	536.8	639.8	469.5	-0.0372	452.0	0.0012	0.0012	452.5	1.00	452.5	4368	0
Pitt/Greene/Hyde/Tyrrell	38,394.8	31,247.5	48,295.5	0.1797	56,974.9	0.0048	0.0048	57,251.1	9.52	6,015.6	4992	1
Polk	1,089.4	744.4	812.8	-0.1124	721.4	-0.0196	0.0000	721.4	0.00	0.0	1872	0
Randolph	1,823.4	5,257.2	5,147.7	0.9312	9,941.2	0.0131	0.0131	10,071.6	2.00	5,035.8	4992	1
Richmond	2,493.4	2,444.0	3,039.9	0.1120	3,380.3	-0.0139	0.0000	3,380.3	1.61	2,104.5	4368	0
Robeson	8,356.5	7,664.3	7,740.8	-0.0364	7,458.8	-0.0439	0.0000	7,458.8	2.00	3,729.4	4992	0
Rockingham	5,505.7	5,515.5	4,972.6	-0.0483	4,732.3	0.0000	0.0000	4,732.3	2.00	2,366.2	4992	0
Rowan	10,935.2	11,308.1	11,513.9	0.0262	11,815.0	0.0125	0.0125	11,962.4	4.00	2,990.6	4992	0
Rutherford	2,846.6	2,780.2	2,365.2	-0.0863	2,161.1	0.0047	0.0047	2,171.3	1.00	2,171.3	4368	0
Sampson	1,690.8	1,627.8	1,426.4	-0.0805	1,311.5	-0.0179	0.0000	1,311.5	1.00	1,311.5	4368	0
Scotland	4,639.5	4,855.7	5,095.5	0.0480	5,340.0	-0.0348	0.0000	5,340.0	1.31	4,089.3	4368	0
Stanly	3,817.8	4,349.7	4,937.7	0.1373	5,615.4	0.0044	0.0044	5,640.1	1.11	5,098.5	4368	1
Stokes	0.0	0.0	0.0	0.0000	0.0	-0.0028	0.0000	0.0	0.00	0.0	1872	0
Surry	6,619.2	6,977.8	7,052.6	0.0324	7,281.4	-0.0015	0.0000	7,281.4	2.00	3,640.7	4992	0
Swain	0.0	0.0	0.0	0.0000	0.0	0.0014	0.0014	0.0	0.00	0.0	1872	0

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Service Area	Adjusted Scans			Average Annual Change Rates	AACR Projected Scans	Population Growth	Population Growth Used	Population Projected Scans	Fixed Equip	Average Scans	Threshold	MRI Need
	2018	2019	2021									
Transylvania	1,914.6	1,968.8	1,916.1	0.0008	1,917.5	0.0105	0.0105	1,937.7	1.00	1,937.7	4368	0
Union	12,895.9	12,098.1	14,130.7	0.0531	14,880.7	0.0610	0.0610	15,788.5	3.71	4,256.4	4992	0
Vance/Warren	3,026.0	3,328.7	3,266.6	0.0407	3,399.5	-0.0193	0.0000	3,399.5	2.00	1,699.8	4992	0
Wake	116,582.3	126,278.7	136,920.9	0.0837	148,384.5	0.0641	0.0641	157,897.1	28.26	5,587.1	4992	1
Washington	0.0	0.0	0.0	0.0000	0.0	-0.0415	0.0000	0.0	0.00	0.0	1872	0
Watauga	3,953.3	4,348.3	5,286.3	0.1578	6,120.5	0.0581	0.0581	6,476.2	2.00	3,238.1	4992	0
Wayne	8,079.5	7,814.2	7,946.5	-0.0080	7,883.3	-0.0137	0.0000	7,883.3	2.00	3,941.7	4992	0
Wilkes	2,945.5	3,327.1	3,338.6	0.0665	3,560.6	-0.0158	0.0000	3,560.6	1.00	3,560.6	4368	0
Wilson	7,114.4	7,606.6	7,583.1	0.0330	7,833.7	-0.0022	0.0000	7,833.7	3.02	2,593.6	4992	0
Yadkin	0.0	0.0	0.0	0.0000	0.0	-0.0027	0.0000	0.0	0.00	0.0	1872	0
Totals	1,086,438.5	1,125,636.2	1,171,564.5		1,229,417.3			1,273,235.5	293.86			10