

Table 15E-2: MRI Need Determinations by Service Area

| 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 |
|--------------------------------|---------------------|----------|----------|---|---------------------------------|---------------------------|-----------------------------------|---------------------------------------|---------------------|-----------------------|----------------|------------------|
| | 2019 | 2021 | 2022 | | | | | | | | | |
| | Alamance | 11,226.3 | 12,239.0 | | | | | | | | | |
| Alexander | 0.0 | 0.0 | 0.0 | 0.0000 | 0.0 | 0.0079 | 0.0079 | 0.0 | 0.00 | 0.0 | 1872 | 0 |
| Alleghany | 19.6 | 0.0 | 0.0 | -0.5000 | 0.0 | 0.0030 | 0.0030 | 0.0 | 0.00 | 0.0 | 1872 | 0 |
| Anson | 114.6 | 106.0 | 196.1 | 0.3875 | 272.1 | -0.0082 | 0.0000 | 272.1 | 0.00 | 0.0 | 1872 | 0 |
| Ashe | 903.4 | 779.6 | 1,224.2 | 0.2166 | 1,489.4 | 0.0014 | 0.0014 | 1,491.5 | 1.00 | 1,491.5 | 4368 | 0 |
| Avery | 203.0 | 0.0 | 0.0 | -0.5000 | 0.0 | -0.0001 | 0.0000 | 0.0 | 0.00 | 0.0 | 1872 | 0 |
| Beaufort | 2,437.8 | 2,820.8 | 3,002.1 | 0.1107 | 3,334.3 | -0.0103 | 0.0000 | 3,334.3 | 1.00 | 3,334.3 | 4368 | 0 |
| Bertie | 0.0 | 0.0 | 0.0 | 0.0000 | 0.0 | -0.0378 | 0.0000 | 0.0 | 0.00 | 0.0 | 1872 | 0 |
| Bladen | 711.3 | 316.6 | 396.6 | -0.1511 | 336.7 | -0.0102 | 0.0000 | 336.7 | 0.00 | 0.0 | 1872 | 0 |
| Brunswick | 8,233.6 | 12,139.3 | 13,440.2 | 0.2908 | 17,348.2 | 0.1180 | 0.1180 | 19,395.5 | 4.10 | 4,731.4 | 4992 | 0 |
| Buncombe/Graham/Madison/Yancey | 49,273.3 | 47,045.8 | 34,478.3 | -0.1562 | 29,093.8 | 0.0277 | 0.0277 | 29,899.5 | 11.33 | 2,638.9 | 4992 | 0 |
| Burke | 9,644.0 | 9,066.7 | 9,850.7 | 0.0133 | 9,981.8 | 0.0049 | 0.0049 | 10,030.6 | 2.71 | 3,703.6 | 4992 | 0 |
| Cabarrus | 31,247.5 | 29,832.9 | 29,803.2 | -0.0231 | 29,113.8 | 0.0631 | 0.0631 | 30,950.7 | 7.79 | 3,970.8 | 4992 | 0 |
| Caldwell | 4,135.3 | 4,802.0 | 5,054.1 | 0.1069 | 5,594.1 | 0.0026 | 0.0026 | 5,608.5 | 2.28 | 2,462.2 | 4992 | 0 |
| Carteret | 5,601.8 | 8,157.7 | 9,759.2 | 0.3263 | 12,943.7 | 0.0199 | 0.0199 | 13,201.2 | 2.12 | 6,217.6 | 4992 | 1 |
| Catawba | 20,815.0 | 21,201.5 | 23,173.8 | 0.0558 | 24,466.8 | 0.0194 | 0.0194 | 24,942.1 | 5.15 | 4,839.3 | 4992 | 0 |
| Chatham | 909.4 | 878.9 | 1,127.6 | 0.1247 | 1,268.2 | 0.0551 | 0.0551 | 1,338.1 | 0.51 | 1,338.1 | 1872 | 0 |
| Cherokee/Clay | 2,011.3 | 2,287.6 | 2,735.1 | 0.1665 | 3,190.4 | 0.0250 | 0.0250 | 3,270.2 | 1.00 | 3,270.2 | 4368 | 0 |
| Chowan | 2,111.8 | 2,138.8 | 2,420.0 | 0.0721 | 2,594.6 | 0.0036 | 0.0036 | 2,603.9 | 1.00 | 2,603.9 | 4368 | 0 |
| Cleveland | 8,798.0 | 10,357.5 | 12,165.8 | 0.1759 | 14,306.0 | 0.0205 | 0.0205 | 14,599.5 | 3.46 | 4,224.0 | 4992 | 0 |
| Columbus | 3,123.0 | 3,212.3 | 3,084.4 | -0.0056 | 3,067.1 | -0.0133 | 0.0000 | 3,067.1 | 1.00 | 3,067.1 | 4368 | 0 |
| Craven/Jones/Pamlico | 14,265.0 | 16,809.6 | 17,374.9 | 0.1060 | 19,216.8 | 0.0013 | 0.0013 | 19,242.3 | 4.00 | 4,810.6 | 4992 | 0 |
| Cumberland | 29,389.2 | 33,507.4 | 25,513.7 | -0.0492 | 24,258.0 | 0.0111 | 0.0111 | 24,527.2 | 7.06 | 3,473.0 | 4992 | 0 |
| Dare | 2,541.1 | 2,529.9 | 2,775.4 | 0.0463 | 2,903.9 | 0.0360 | 0.0360 | 3,008.5 | 1.00 | 3,008.5 | 4368 | 0 |
| Davidson | 6,702.2 | 7,437.1 | 3,946.5 | -0.1799 | 3,236.7 | 0.0274 | 0.0274 | 3,325.2 | 2.00 | 1,662.6 | 4992 | 0 |
| Davie | 2,471.2 | 3,062.2 | 3,815.9 | 0.2427 | 4,741.9 | 0.0321 | 0.0321 | 4,894.1 | 1.00 | 4,894.1 | 4368 | 1 |
| Duplin | 1,733.1 | 1,846.4 | 2,191.5 | 0.1261 | 2,467.9 | 0.0004 | 0.0004 | 2,469.0 | 1.36 | 1,818.9 | 4368 | 0 |
| Durham/Caswell | 83,142.0 | 86,748.0 | 91,781.3 | 0.0507 | 96,434.3 | 0.0382 | 0.0382 | 100,122.0 | 18.60 | 5,383.7 | 4992 | 1 |
| Edgecombe | 2,864.2 | 2,502.4 | 2,853.5 | 0.0070 | 2,873.5 | -0.0366 | 0.0000 | 2,873.5 | 1.00 | 2,873.5 | 4368 | 0 |
| Forsyth | 93,662.7 | 92,123.9 | 87,367.0 | -0.0340 | 84,393.7 | 0.0199 | 0.0199 | 86,070.4 | 21.01 | 4,096.8 | 4992 | 0 |
| Franklin | 0.0 | 40.3 | 0.0 | -0.5000 | 0.0 | 0.0951 | 0.0951 | 0.0 | 0.00 | 0.0 | 1872 | 0 |

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|--|---------------------|-----------|-----------|---|---------------------------------|---------------------------|-----------------------------------|---------------------------------------|---------------------|-----------------------|----------------|------------------|
| | 2019 | 2021 | 2022 | | | | | | | | | |
| | Gaston | 23,009.0 | 23,458.0 | | | | | | | | | |
| Granville | 1,741.4 | 2,004.6 | 2,156.2 | 0.1134 | 2,400.6 | 0.0352 | 0.0352 | 2,485.1 | 1.15 | 2,165.8 | 4368 | 0 |
| Guilford | 64,803.5 | 71,001.8 | 58,751.7 | -0.0384 | 56,493.2 | 0.0178 | 0.0178 | 57,499.6 | 13.62 | 4,223.2 | 4992 | 0 |
| Halifax/Northampton | 2,503.8 | 2,243.1 | 2,631.5 | 0.0345 | 2,722.3 | -0.0275 | 0.0000 | 2,722.3 | 1.00 | 2,722.3 | 4368 | 0 |
| Harnett | 4,160.8 | 4,474.9 | 4,805.4 | 0.0747 | 5,164.3 | 0.0623 | 0.0623 | 5,485.8 | 2.19 | 2,502.5 | 4992 | 0 |
| Haywood | 5,166.2 | 4,845.7 | 5,214.0 | 0.0070 | 5,250.4 | 0.0188 | 0.0188 | 5,349.4 | 2.00 | 2,674.7 | 4992 | 0 |
| Henderson | 9,264.5 | 10,939.5 | 10,764.8 | 0.0824 | 11,652.1 | 0.0232 | 0.0232 | 11,922.3 | 3.00 | 3,974.1 | 4992 | 0 |
| Hertford/Gates | 2,495.2 | 2,182.9 | 2,531.6 | 0.0173 | 2,575.3 | -0.0197 | 0.0000 | 2,575.3 | 1.00 | 2,575.3 | 4368 | 0 |
| Hoke | 1,540.2 | 2,017.6 | 3,132.8 | 0.4313 | 4,484.1 | 0.0640 | 0.0640 | 4,770.9 | 2.00 | 2,385.4 | 4992 | 0 |
| Iredell | 19,731.8 | 20,337.1 | 24,164.0 | 0.1094 | 26,808.2 | 0.0676 | 0.0676 | 28,620.3 | 6.58 | 4,346.9 | 4992 | 0 |
| Jackson | 3,686.3 | 3,274.0 | 3,359.8 | -0.0428 | 3,216.0 | 0.0251 | 0.0251 | 3,296.7 | 2.00 | 1,648.3 | 4992 | 0 |
| Johnston | 11,718.4 | 11,628.5 | 14,079.0 | 0.1015 | 15,508.4 | 0.0986 | 0.0986 | 17,037.6 | 3.28 | 5,196.5 | 4992 | 1 |
| Lee | 2,268.7 | 2,740.6 | 3,163.8 | 0.1812 | 3,737.1 | 0.0358 | 0.0358 | 3,870.8 | 1.32 | 2,928.2 | 4368 | 0 |
| Lenoir | 3,607.5 | 3,796.6 | 4,106.5 | 0.0670 | 4,381.7 | -0.0152 | 0.0000 | 4,381.7 | 1.00 | 4,381.7 | 4368 | 1 |
| Lincoln | 6,141.3 | 6,754.6 | 7,460.5 | 0.1022 | 8,222.9 | 0.0502 | 0.0502 | 8,636.0 | 3.00 | 2,878.7 | 4992 | 0 |
| Macon | 3,140.3 | 2,503.9 | 2,429.9 | -0.1161 | 2,147.8 | 0.0242 | 0.0242 | 2,199.8 | 2.00 | 1,099.9 | 4992 | 0 |
| Martin | 477.5 | 516.3 | 526.2 | 0.0502 | 552.6 | -0.0259 | 0.0000 | 552.6 | 0.00 | 0.0 | 1872 | 0 |
| McDowell | 3,102.5 | 2,992.8 | 3,140.6 | 0.0070 | 3,162.7 | 0.0074 | 0.0074 | 3,186.1 | 1.19 | 2,670.1 | 4368 | 0 |
| Mecklenburg | 156,962.5 | 161,373.5 | 180,731.5 | 0.0740 | 194,111.0 | 0.0624 | 0.0624 | 206,224.7 | 34.43 | 5,990.0 | 4992 | 1 |
| Mitchell | 1,705.2 | 1,539.9 | 1,502.5 | -0.0606 | 1,411.4 | -0.0081 | 0.0000 | 1,411.4 | 1.00 | 1,411.4 | 4368 | 0 |
| Montgomery | 373.3 | 450.6 | 383.5 | 0.0291 | 394.6 | -0.0007 | 0.0000 | 394.6 | 0.00 | 0.0 | 1872 | 0 |
| Moore | 24,499.0 | 20,895.8 | 20,857.2 | -0.0745 | 19,304.1 | 0.0677 | 0.0677 | 20,610.6 | 5.00 | 4,122.1 | 4992 | 0 |
| Nash | 7,244.2 | 7,201.8 | 8,490.5 | 0.0865 | 9,225.4 | -0.0005 | 0.0000 | 9,225.4 | 2.09 | 4,422.6 | 4992 | 0 |
| New Hanover | 48,158.8 | 42,486.5 | 48,845.0 | 0.0159 | 49,623.5 | 0.0382 | 0.0382 | 51,519.4 | 11.04 | 4,667.7 | 4992 | 0 |
| Onslow | 9,411.5 | 10,394.3 | 13,082.0 | 0.1815 | 15,456.5 | 0.0354 | 0.0354 | 16,002.9 | 3.21 | 4,978.3 | 4992 | 0 |
| Orange | 52,070.9 | 51,565.7 | 59,271.1 | 0.0699 | 63,412.0 | 0.0292 | 0.0292 | 65,265.6 | 13.00 | 5,020.2 | 4992 | 1 |
| Pasquotank/Camden/Currituck/Perquimans | 5,559.9 | 5,680.7 | 7,394.4 | 0.1617 | 8,590.0 | 0.0544 | 0.0544 | 9,057.0 | 2.40 | 3,781.6 | 4992 | 0 |
| Pender | 618.4 | 18.5 | 870.7 | 22.5658 | 20,517.9 | 0.0688 | 0.0688 | 21,929.7 | 0.00 | 0.0 | 1872 | 0 |
| Person | 639.8 | 469.5 | 366.5 | -0.2428 | 277.6 | 0.0066 | 0.0066 | 279.4 | 1.00 | 279.4 | 4368 | 0 |
| Pitt/Greene/Hyde/Tyrrell | 31,247.5 | 45,889.1 | 43,186.2 | 0.2048 | 52,032.1 | 0.0006 | 0.0006 | 52,064.6 | 11.00 | 4,733.1 | 4992 | 0 |
| Polk | 744.4 | 812.8 | 778.8 | 0.0250 | 798.3 | 0.0017 | 0.0017 | 799.7 | 0.00 | 0.0 | 1872 | 0 |

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| A | B | | | C | D | E | F | G | H | I | J | K |
|--------------|----------------|-------------|-------------|-----------------------------|----------------------|-------------------|------------------------|----------------------------|-------------|---------------|-----------|----------|
| Service Area | Adjusted Scans | | | Average Annual Change Rates | AACR Projected Scans | Population Growth | Population Growth Used | Population Projected Scans | Fixed Equiv | Average Scans | Threshold | MRI Need |
| | 2019 | 2021 | 2022 | | | | | | | | | |
| Randolph | 5,257.2 | 5,147.7 | 5,369.4 | 0.0111 | 5,429.1 | 0.0139 | 0.0139 | 5,504.5 | 2.00 | 2,752.2 | 4992 | 0 |
| Richmond | 2,444.0 | 3,039.9 | 0.0 | -0.3781 | 0.0 | -0.0136 | 0.0000 | 0.0 | 1.00 | 0.0 | 4368 | 0 |
| Robeson | 7,664.3 | 7,740.8 | 7,643.9 | -0.0013 | 7,634.2 | 0.0097 | 0.0097 | 7,708.5 | 2.00 | 3,854.2 | 4992 | 0 |
| Rockingham | 5,515.5 | 4,972.6 | 5,884.3 | 0.0424 | 6,134.1 | 0.0013 | 0.0013 | 6,142.1 | 2.00 | 3,071.1 | 4992 | 0 |
| Rowan | 11,308.1 | 11,513.9 | 11,562.3 | 0.0112 | 11,691.9 | 0.0219 | 0.0219 | 11,947.4 | 4.00 | 2,986.8 | 4992 | 0 |
| Rutherford | 2,780.2 | 2,365.2 | 2,475.8 | -0.0513 | 2,348.8 | 0.0080 | 0.0080 | 2,367.6 | 1.00 | 2,367.6 | 4368 | 0 |
| Sampson | 1,627.8 | 1,426.4 | 1,487.6 | -0.0404 | 1,427.5 | -0.0012 | 0.0000 | 1,427.5 | 1.00 | 1,427.5 | 4368 | 0 |
| Scotland | 4,855.7 | 5,095.5 | 4,391.1 | -0.0444 | 4,196.0 | -0.0103 | 0.0000 | 4,196.0 | 1.00 | 4,196.0 | 4368 | 0 |
| Stanly | 4,349.7 | 4,937.7 | 5,481.5 | 0.1227 | 6,153.9 | 0.0074 | 0.0074 | 6,199.3 | 2.09 | 2,967.1 | 4992 | 0 |
| Stokes | 0.0 | 0.0 | 0.0 | 0.0000 | 0.0 | 0.0090 | 0.0090 | 0.0 | 0.00 | 0.0 | 1872 | 0 |
| Surry | 6,977.8 | 7,052.6 | 7,443.6 | 0.0331 | 7,689.9 | -0.0019 | 0.0000 | 7,689.9 | 2.00 | 3,845.0 | 4992 | 0 |
| Swain | 0.0 | 0.0 | 0.0 | 0.0000 | 0.0 | 0.0104 | 0.0104 | 0.0 | 0.00 | 0.0 | 1872 | 0 |
| Transylvania | 1,968.8 | 1,916.1 | 1,929.6 | -0.0099 | 1,910.6 | 0.0131 | 0.0131 | 1,935.5 | 1.00 | 1,935.5 | 4368 | 0 |
| Union | 12,098.1 | 14,130.7 | 14,981.0 | 0.1141 | 16,690.2 | 0.0634 | 0.0634 | 17,748.4 | 3.55 | 5,005.6 | 4992 | 1 |
| Vance/Warren | 3,328.7 | 3,266.6 | 2,917.0 | -0.0628 | 2,733.7 | -0.0069 | 0.0000 | 2,733.7 | 2.00 | 1,366.9 | 4992 | 0 |
| Wake | 126,278.7 | 136,920.9 | 146,472.1 | 0.0770 | 157,752.8 | 0.0587 | 0.0587 | 167,007.3 | 30.31 | 5,509.2 | 4992 | 1 |
| Washington | 0.0 | 0.0 | 0.0 | 0.0000 | 0.0 | -0.0492 | 0.0000 | 0.0 | 0.00 | 0.0 | 1872 | 0 |
| Watauga | 4,348.3 | 5,286.3 | 5,490.1 | 0.1271 | 6,188.1 | -0.0012 | 0.0000 | 6,188.1 | 2.00 | 3,094.0 | 4992 | 0 |
| Wayne | 7,814.2 | 7,946.5 | 8,509.4 | 0.0439 | 8,882.8 | -0.0021 | 0.0000 | 8,882.8 | 2.00 | 4,441.4 | 4992 | 0 |
| Wilkes | 3,327.1 | 3,338.6 | 3,743.6 | 0.0624 | 3,977.2 | -0.0044 | 0.0000 | 3,977.2 | 1.00 | 3,977.2 | 4368 | 0 |
| Wilson | 7,606.6 | 7,583.1 | 4,991.1 | -0.1725 | 4,130.4 | -0.0177 | 0.0000 | 4,130.4 | 3.06 | 1,351.9 | 4992 | 0 |
| Yadkin | 0.0 | 0.0 | 0.0 | 0.0000 | 0.0 | -0.0021 | 0.0000 | 0.0 | 0.00 | 0.0 | 1872 | 0 |
| Totals | 1,125,636.2 | 1,174,162.4 | 1,205,235.6 | | 1,285,637.6 | | | 1,335,380.5 | 304.72 | | | 9 |