

MILLIMAN REPORT

South Carolina Medicaid Provider Network Analysis

South Carolina Department of Health and Human Services

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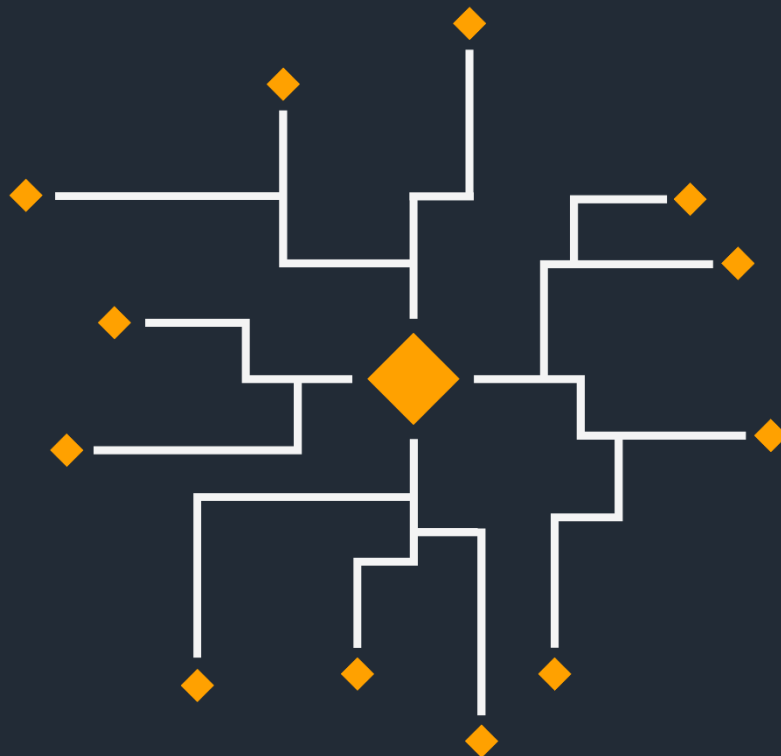




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I. Executive Summary

Milliman, Inc. (Milliman) has been retained by the State of South Carolina, Department of Health and Human Services (SCDHHS) to review and evaluate potential gaps in member access to select healthcare specialty service physicians and healthcare provider capacity by specialty that may exist for South Carolina Medicaid members. This report examines the provider network landscape in the South Carolina Medicaid program during the period from July 2023 through June 2024 (SFY 2024) for the four regions of South Carolina (Lowcountry, Midlands, Pee Dee, and Upstate), as defined by SCDHHS. The analysis relies on Medicaid-enrolled provider specialty designations and office locations, alongside the addresses and utilization data for Medicaid-enrolled members as provided by SCDHHS.

SCDHHS requested we include the following twenty-seven (27) provider specialty types in the provider network landscape analysis:

- | | | |
|--|------------------------------------|--------------------------|
| 1. Cardiology | 10. Infectious Diseases | 19. Pediatric Psychiatry |
| 2. Dermatology | 11. Internal Medicine | 20. Pediatrics |
| 3. Emergency Medicine | 12. Nephrology | 21. Plastic Surgery |
| 4. Endocrinology | 13. Neurology | 22. Psychiatry |
| 5. Ear Nose Throat (ENT) /Otolaryngology | 14. Neurosurgery | 23. Pulmonology |
| 6. Family Medicine | 15. Obstetrics/Gynecology (OB/GYN) | 24. Radiology |
| 7. Gastroenterology | 16. Ophthalmology | 25. Rheumatology |
| 8. General Surgery | 17. Orthopedic Surgery | 26. Urology |
| 9. Hematology and Oncology | 18. Pediatric Neurology | 27. Vascular Surgery |

Please note the following limitations related to the Pediatric Neurology and Pediatric Psychiatry provider specialties:

- **Pediatric Neurology** – We were unable to verify a clear delineation between Pediatric and Adult Neurology specialties in the South Carolina Medicaid-enrolled National Provider Identifier (NPI) file. Therefore, we assigned the Pediatric Neurology specialty to all Neurologists who provide services to Medicaid-enrolled individuals under the age of 19. This approach could overstate the number of Pediatric Neurologists assumed for this analysis.
- **Pediatric Psychiatry** – In addition to NPIs classified as a Pediatric Psychiatrist in the South Carolina Medicaid-enrolled file, any Psychiatrist who provided services to a Medicaid-enrolled individual under the age of 19 was also included in the Pediatric Psychiatrist classification. This approach could overstate the number of Pediatric Psychiatrists assumed for this analysis.

In this analysis, we assess access and adequacy across three primary measures (geographic access, utilization of services, and provider volume) to develop comparative rankings. The comparative rankings are used to report a summary score of the estimated level of need for additional provider resources for clinical specialties in each of the 46 South Carolina counties for South Carolina Medicaid members, referred to as a “Specialty Need Score”. This score is used to identify the top five provider specialties with the greatest estimated level of need in the South Carolina Medicaid program. While this report was requested to focus on access and adequacy for physicians only, we recognize that the inclusion of Nurse Practitioners and other Advanced Practice Nurses as healthcare access points to Medicaid beneficiaries could impact the results in varying degrees across each specialty and geographic location.

Figure 1 provides a statewide ranking of the top five provider specialties identified with the greatest estimated level of need within the South Carolina Medicaid program. It also summarizes the regions with the largest estimated gaps in provider access and capacity within each of those specialties. It is important to note that our analysis focused solely on the current provider landscape and did not include an evaluation or projection of future physician workforce changes.

FIGURE 1: TOP 5 SPECIALTIES: STATEWIDE SPECIALTY NEED RANKING

RANK	PROVIDER SPECIALTY	REGION
1	OB/GYN	Midlands
2	Dermatology	Pee Dee
3	Internal Medicine	Midlands
4	Pediatrics	Pee Dee
5	Family Medicine	Pee Dee

Provider networks are commonly assessed for access and adequacy. Access is typically measured through geographic driving time (minutes) and distance (miles) between provider and member locations. Adequacy is generally measured through ratios of number of providers to numbers of members in a given geography (typically a county). This report evaluates network access against geographic time and distance standards and adequacy against measures of provider utilization and supply at the county and specialty level. To complete this review, we analyzed and evaluated the following key metrics to represent the relative need for additional provider resources in each specialty and county-level geography in order to serve the South Carolina Medicaid members:

- **Network Access.** Network access was evaluated by calculating the percentage of beneficiaries who meet provider specialty-specific driving time and distance criteria established by the 2025 Qualified Health Plan (QHP) standards as published by the Centers for Medicare and Medicaid Services (CMS).
- **Provider Volume.** Provider volume was evaluated to assess network adequacy by calculating the number of specialty providers in each county relative to the number of Medicaid beneficiaries in the county and comparing to national benchmarks sourced from the Association of American Medical Colleges¹.
- **Medicaid Member Utilization.** A utilization gap metric was evaluated by estimating the number of additional providers needed to achieve target benchmarks for each specialty and then calculating the estimated additional services that could be available in the Medicaid program with the increased provider capacity based on historical Medicaid utilization. To assess utilization variations across counties, Medicaid member utilization was calculated as the number of units of service (defined by procedure code) utilized by Medicaid beneficiaries for each provider specialty and county during SFY 2024 relative to the number of Medicaid members in that county.

We combined these three factors to create a “Specialty Need Ranking” and “Level of Need by Area” measure for each specialty and geographic combination. The Level of Need by Area can be used to identify the geographies within each specialty with the greatest estimated need for additional provider resources. The Level of Need by Area was calculated based on a weighted average scoring of the three factors and then comparing those factors across the 46 counties in South Carolina. This methodology is described in detail in section III – Methodology of this report.

Key Findings

Based on our review and analysis of geographies and specialties with the greatest unmet need for clinical services in the South Carolina Medicaid program, we have clarified several key findings.

- **Variance at the County Level.** Among the specialties reviewed, we observed material variances in level of need scores across the state. This variance is not unusual as healthcare demand and supply tend to be more aligned in metro or urban areas and demand often outpaces supply in more rural areas. This trend holds true for many specialties in South Carolina. However, for some it does not. South Carolina’s ability to impact clinical supply at the more granular county-level in addition to the state-level is important to making meaningful impacts to patient access.

¹ AAMC Physician Workforce Data, 2023, available at: <https://www.aamc.org/data-reports/report/us-physician-workforce-data-dashboards>; accessed February 2025.

- **High Geographic Access.** When comparing the location of beneficiaries and providers and measuring the driving time and distance between those locations, our analysis identified a relatively high proportion of specialties for which QHP standards are met or exceeded. This finding is consistent with the primary composition of the Managed Care Organization networks which are in place throughout the state and are frequently designed to achieve QHP and other federally mandated geographic access and adequacy standards. While instances of counties failing to meet specialty-specific QHP standards in South Carolina were uncommon, Beaufort and Cherokee counties were most frequently identified as having less access. Throughout this analysis we provide High, Medium, and Low scores of geographic access. As noted previously, we removed Nurse Practitioners and other Advanced Practice Nurses from the analysis, which may impact the geographic access scores in some geographies and specialties.
- **Low/No Utilization Providers (Ghost Providers).** In conducting our analysis, we removed provider locations for which there was no corresponding utilization identified in claims data. These providers are commonly referred to as “ghost” providers and do not typically represent a valid access point for patients. Of the valid providers available for assessment, after removing providers due to invalid locations, invalid NPIs, unrelated specialties, and other factors, approximately 40% were found to be ghost providers. These findings may highlight the need for SCDHHS and managed care organizations (MCOs) to ensure contracted network provider locations are active locations serving Medicaid patients.
- **Additional Providers.** In addition to the key provider metrics for the current Medicaid delivery system in South Carolina, SCDHHS requested that we provide an estimate of the number of providers who are not currently enrolled with Medicaid in a given specialty and geography. This information may offer SCDHHS further understanding and insight into potential opportunities related to member access and provider capacity and is provided by county in the specialty-specific tables presented in Section IV. It is important to recognize that additional capacity may be available from existing providers in the area who are not currently part of the necessary Medicaid networks. For county-level findings, this analysis found multiple instances where there may be otherwise available providers in each geography and specialty which are not contracted with Medicaid and may be valuable in pursuing further network contracting discussions. For example, Dermatology was the lowest ranked specialty in our analysis based on the provider volume metric, with approximately 50 additional dermatologists identified across the state. The counts of these additional providers are displayed in the county level detail tables for each county and specialty in Section IV.

Section III of this report provides an overall statewide specialty need ranking and Section IV contains information on key metrics at the county-level, depicted graphically through heat map visualizations and in tables by county and region.

We understand the information in this document may be used by SCDHHS to support internal discussions and decision-making related to graduate medical education (GME) program considerations and other provider access initiatives to meet SCDHHS quality goals and objectives. This document may not be appropriate for any other purpose.

II. Introduction

Milliman, Inc. (Milliman) has been retained by the State of South Carolina, Department of Health and Human Services (SCDHHS) to review and evaluate potential gaps in member access to select healthcare specialty service physicians and healthcare provider capacity by specialty that may exist for South Carolina Medicaid members. This report examines the provider network landscape in the South Carolina Medicaid program during the period from July 2023 through June 2024 (SFY 2024) for the four regions of South Carolina (Lowcountry, Midlands, Pee Dee, and Upstate), as defined by SCDHHS. Please note that this analysis is intended to focus on physician access and adequacy only and therefore, Nurse Practitioners and other Advanced Practice Nurses have been excluded from this report. The analysis relies on Medicaid-enrolled provider specialty designations and office locations, alongside the addresses and utilization data for Medicaid-enrolled members as provided by SCDHHS.

In this analysis, we assess access and adequacy across three primary measures (geographic access, utilization of services, and provider volume) to develop comparative rankings. The comparative rankings are used to report a summary score of the estimated level of need for additional provider resources for clinical specialties in each of the 46 South Carolina counties for South Carolina Medicaid members. The summary measure is referred to as an “Area of Need” score.

SCDHHS requested we provide an analysis of the provider network landscape for the following twenty-seven (27) provider specialty types:

- | | | |
|--|------------------------------------|--------------------------|
| 1. Cardiology | 10. Infectious Diseases | 19. Pediatric Psychiatry |
| 2. Dermatology | 11. Internal Medicine | 20. Pediatrics |
| 3. Emergency Medicine | 12. Nephrology | 21. Plastic Surgery |
| 4. Endocrinology | 13. Neurology | 22. Psychiatry |
| 5. Ear Nose Throat (ENT) /Otolaryngology | 14. Neurosurgery | 23. Pulmonology |
| 6. Family Medicine | 15. Obstetrics/Gynecology (OB/GYN) | 24. Radiology |
| 7. Gastroenterology | 16. Ophthalmology | 25. Rheumatology |
| 8. General Surgery | 17. Orthopedic Surgery | 26. Urology |
| 9. Hematology and Oncology | 18. Pediatric Neurology | 27. Vascular Surgery |

Please note the following limitations related to the Pediatric Neurology and Pediatric Psychiatry provider specialties:

- **Pediatric Neurology** – We were unable to verify a clear delineation between Pediatric and Adult Neurology specialties in the South Carolina Medicaid-enrolled National Provider Identifier (NPI) file. Therefore, we assigned the Pediatric Neurology specialty to all Neurologists who provide services to Medicaid-enrolled individuals under the age of 19. This approach could overstate the number of Pediatric Neurologists assumed for this analysis.
- **Pediatric Psychiatry** – In addition to NPIs classified as a Pediatric Psychiatrist in the South Carolina Medicaid-enrolled file, any Psychiatrist who provided services to a Medicaid-enrolled individual under the age of 19 was also included in the Pediatric Psychiatrist classification. This approach could overstate the number of Pediatric Psychiatrists assumed for this analysis.

This report serves as a reference to allocate and direct provider resources, incentivize provider retention, and build new provider capacity. The Level of Need by Area and Specialty Need Ranking combines three key factors (member utilization, number of providers, and geographic access) to identify the geographies and specialties with the greatest estimated need for additional provider resources. This analysis also highlights geographies where existing providers who are not currently contracted or accessible to Medicaid members, could be considered for future inclusion to improve the Level of Need by Area (i.e., shift from *high* to *low*). While this analysis relies on state and federal geographic access standards as a component of calculating Levels of Need by Area, the report is not intended to establish compliance with those standards.

III. Methodology

SCDHHS requested that we provide an overview and analysis of the current provider landscape for the 27 requested specialties in the South Carolina Medicaid program. To complete the analysis, we performed a review of South Carolina Medicaid-enrolled providers and members, as well as an evaluation of Medicaid utilization by specialty for the SFY 2024 time period. We analyzed and aggregated the following key metrics to identify the specialties that may have the largest need in the current environment.

A. STATE SUMMARY OF SPECIALTY NEED RANKING

We aggregated the following measures to develop a clear summary ranking of the specialties with the greatest level of need across the state. These metrics are the inputs used in development of Figure 2 – State Summary of Specialty Need Ranking:

- **Providers per 10,000 Rank (15% weight)** – The relationship between each county’s specialty providers per 10,000 members and a national benchmark sourced from the Association of American Medical Colleges². The specialty with the highest ratio (reflecting the highest provider capacity) is ranked at 1, while the specialty with the lowest ratio is ranked at 27.
- **Medicaid Utilization Gap Rank (35% weight)** – The estimated additional services that could be available for each specialty by increasing provider capacity to statewide benchmark levels. For specialties already meeting or exceeding benchmark levels, the specialties were ranked based on the historical Medicaid utilization experience. The specialty with the lowest additional services to meet benchmark levels (reflecting the highest provider capacity) is ranked at 1, while the specialty with the highest additional services that could be available is ranked at 27.
- **Network Access Rank (50% weight)** – The percentage of members meeting the time and distance requirements in each specialty. The specialty with the highest percentage (indicating the greatest access) is ranked at 1, while the specialty with the lowest percentage is ranked at 27.
- **Specialty Need Score** – The weighted average of the respective ranking and relative weights described above.
- **Specialty Need Rank** – The rank of the specialty need score. The specialty with the greatest need for resources is scored at 1, while the specialty with the lowest need for resources is scored at 27.

² AAMC Physician Workforce Data, 2023, available at: <https://www.aamc.org/data-reports/report/us-physician-workforce-data-dashboar>; accessed February 2025.

Figure 2 provides a summary by specialty of the metrics defined above. In instances of a “tie” within each individual metric, the specialties were grouped together with the same rank. Specialties with a lower number in their Specialty Need Rank represent a higher need (1 = highest need, 27 = lowest need).

FIGURE 2: STATEWIDE SUMMARY OF SPECIALTY NEED RANKINGS

SPECIALTY	PROVIDERS PER 10,000 RANK	MEDICAID UTILIZATION GAP RANK	NETWORK ACCESS RANK	SPECIALTY NEED SCORE	SPECIALTY NEED RANK
OB/GYN	14	25	27	24.4	1
Dermatology	27	22	24	23.8	2
Internal Medicine	15	24	25	23.2	3
Pediatrics	2	26	26	22.4	4
Family Medicine	17	27	20	22.0	5
Ophthalmology	19	20	20	19.9	6
Endocrinology	24	17	19	19.1	7
Cardiology	8	18	18	16.5	8
Neurosurgery	12	9	22	16.0	9
Plastic Surgery	25	1	23	15.6	10
Hematology and Oncology	23	23	8	15.5	11
Nephrology	22	13	14	14.9	12
Psychiatry	26	21	6	14.3	13
General Surgery	9	10	16	12.9	14
Rheumatology	20	11	10	11.9	15
Orthopedic Surgery	5	6	17	11.4	16
Urology	13	12	10	11.2	17
Gastroenterology	16	15	6	10.7	18
Pediatric Psychiatry	18	7	10	10.2	19
Pediatric Neurology	3	5	15	9.7	20
ENT/Otolaryngolo gy	11	19	1	8.8	21
Infectious Diseases	21	14	1	8.6	22
Neurology	10	3	10	7.6	23
Emergency Medicine	7	16	1	7.2	24
Pulmonology	1	4	8	5.6	25
Radiology	6	8	1	4.2	26
Vascular Surgery	4	2	1	1.8	27

B. COUNTY-LEVEL AREA OF NEED SCORING BY SPECIALTY

The following measures are the inputs to development of county and region-level Levels of Need by Area for each specialty found in section IV – *Findings*, ranked as high, medium, or low relative need:

- **Providers per 10,000 Rank (15% weight)** – Ranking of the number of active Medicaid providers per 10,000 members in each county relative to the other counties in the state.
- **Utilization per 1,000 Rank (35% weight)** – Ranking of the utilization per 1,000 members in each county relative to the other counties in the state.
- **Network Access Rank (50% weight)** – Classification of the percentage of members meeting the driving time and distance requirements in each county relative to the other counties in the state, with relative rankings defined as 100% = High, 90%-99.99% = Medium, and less than 90% = Low.
- **Level of Need by Area** – A weighted average of the Access Rank (50% weight), Providers per 10,000 Rank (15% weight), and Utilization per 1,000 Rank (35% weight). This calculation produces a score that identifies counties with the greatest needs across a given specialty. Higher scores indicate counties that have lower utilization, fewer providers relative to population, and more limited geographic access. Results are classified as high (top 25%), medium (middle 50%), or low (bottom 25%) relative need.

Additional details of the analysis are provided in the Data Sources and Reliance section below.

C. DATA SOURCES AND RELIANCE

In this analysis, Milliman utilized multiple data sources to verify and confirm individual provider specialty types and addresses. This method ensures consistency in provider counts and specialty type assignment. The following list outlines the data sources relied on by Milliman to inform this report.

Member Data

- SFY 2024 managed care and FFS member enrollment data through November 2024 representing approximately 1.6 million full benefit and limited benefit members, integrated with supplemental member addresses provided by SCDHHS.

Claims Data

- SFY 2024 encounter and FFS data paid and submitted through the SCDHHS's data warehousing process through November 2024.

Provider Specialty Assignment

- South Carolina Provider File – "PROVIDER_SFY2024 _ SCDHHS Run Date 2024-12-30.csv" containing key provider characteristics such as National Provider Identifier (NPI), primary and secondary specialty designations, and physician office locations, provided by SCDHHS.
- Provider Type and Specialty attributes included on the SFY 2024 reported encounter and FFS claims.
- CMS National Plan and Provider Enumeration System (NPPES) NPI Registry.
- SCDHHS MCO Process and Procedure Manual, January 2025³.

Geographic Locations

- Member Locations – member addresses reported on the South Carolina member file. Note that members with invalid addresses (approximately 5.5% of total population) were removed from the analysis.
- Provider Locations – primary practice address from the South Carolina provider file and NPPES NPI registry

Data Quality Adjustments

To prepare the provider data for use in this analysis, the following adjustments were made to the South Carolina Provider File to arrive at approximately 13,157 SC Medicaid-enrolled providers included in our analysis:

- Unique NPIs in SCDHHS Provider File = 181,651

³ South Carolina Healthy Connections Medicaid, 2024, available at: <https://img1.scdhhs.gov/sites/default/files/Process%20and%20Procedure%20Manual-January%202025.pdf> (Accessed May 2025)

- Removal of deactivated NPIs = (6,026)
 - This was performed by including only NPIs without a deactivation date from the NPPES data from CMS
- Removal of NPIs with addresses outside of South Carolina and the bordering counties in Georgia and North Carolina = (64,963)
- Removal of NPIs affiliated with a facility = (51,092)
 - This was performed by including only the entity type description code of “Individual” from the NPPES data from CMS
- Removal of physicians and other professionals not affiliated with one of the 27 specialties under review based on their reported NPI = (35,230)
- Removal of NPIs with invalid addresses = (996)
- Removal of NPIs with no utilization in the SFY 2024 claims data = (10,187)

D. TIME AND DISTANCE STANDARDS

In this analysis, the 2025 QHP standards were used as the criteria for measuring geographic network adequacy. These standards are measured in terms of driving time (minutes) and distance (miles). The QHP standards provide more granularity and specificity than the metrics defined within SCDHHS's provider network standards outlined in Section 6.2 of the January 2025 MCO Process and Procedure Manual⁴. The QHP standards vary by geographic classification of counties, accounting for the geographic diversity of South Carolina, encompassing metro, micro, and rural counties.

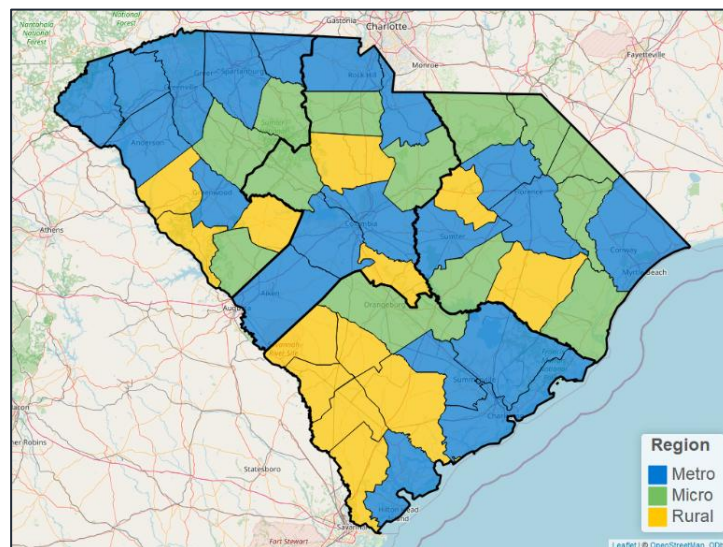
To complete this analysis, we calculated the driving time (minutes) and distance (miles) between each South Carolina Medicaid member and all available Medicaid-enrolled provider locations to generate unique member-provider pairs. These pairs estimate the average time and distance a member would need to travel to reach the nearest provider specialty location. We assessed the average time and distance against the Plan Year 2025 QHP Network Adequacy Standards to determine if a member met or did not meet the requirements.⁵ Additional details on the QHP standards can be found in Figure 5 below.

The parameters for these designations are based on approaches used by the Census Bureau and the Office of Management and Budget. These standards vary based on the following categories:

- Individual provider specialty types
- Facility specialty types
- County designations (Large Metro, Metro, Micro, Rural, Counties with Extreme Access Considerations (CEAC)).

Figure 3 illustrates the stratification of counties by designation in South Carolina. Note that no counties in South Carolina fall under the Large Metro or CEAC county designations.

FIGURE 3: SOUTH CAROLINA COUNTY DESIGNATIONS



⁴ MCO Process and Procedure Manual: <https://img1.scdhhs.gov/sites/default/files/Process%20and%20Procedure%20Manual-January%202025.pdf> (Accessed May 2025)

⁵ Qualified Health Plan Information and Guidance, available at <https://www.qhpcertification.cms.gov/QHP/applicationmaterials/Network-Adequacy>, Accessed June 2025

Figure 4 contains a list of the 27 specialties selected for analysis cross walked to their applicable QHP access standards.

FIGURE 4: SCDHHS VS. QHP SPECIALTIES CROSSWALK

SCDHHS SPECIALTY	QHP SPECIALTY ACCESS STANDARD USED
Cardiology	Cardiology
Dermatology	Dermatology
Emergency Medicine	Emergency Medicine
Endocrinology	Endocrinology
ENT/Otolaryngology	ENT/Otolaryngology
Family Medicine	Primary Care–Adult
Gastroenterology	Gastroenterology
General Surgery	General Surgery
Hematology and Oncology	Oncology–Medical, Surgical
Infectious Diseases	Infectious Diseases
Internal Medicine	Primary Care–Adult
Nephrology	Nephrology
Neurology	Neurology
Neurosurgery	Neurosurgery
OB/GYN	Gynecology, OB/GYN
Ophthalmology	Ophthalmology
Orthopedic Surgery	Orthopedic Surgery
Pediatric Neurology	Neurology
Pediatric Psychiatry	Psychiatry
Pediatrics	Primary Care–Pediatric
Plastic surgery	Plastic Surgery
Psychiatry	Psychiatry
Pulmonology	Pulmonology
Radiology	Diagnostic Radiology
Rheumatology	Rheumatology
Urology	Urology
Vascular Surgery	Vascular Surgery

Figure 5 provides a summary of the applicable QHP time and distance access standards by individual provider specialty type and county designation used in the network adequacy analysis.

FIGURE 5: 2025 QHP ACCESS STANDARDS

INDIVIDUAL PROVIDER SPECIALTY TYPES	METRO COUNTY		MICRO COUNTY		RURAL COUNTY	
	TIME	DISTANCE	TIME	DISTANCE	TIME	DISTANCE
Cardiology	30	20	50	35	75	60
Dermatology	45	30	60	45	75	60
Diagnostic Radiology	45	30	80	60	75	60
Emergency Medicine	45	30	80	60	75	60
Endocrinology	60	40	100	75	110	90
ENT/Otolaryngology	45	30	80	60	90	75
Gastroenterology	45	30	60	45	75	60
General Surgery	30	20	50	35	75	60
Gynecology, OB/GYN	15	10	30	20	40	30
Infectious Diseases	60	40	100	75	110	90
Nephrology	45	30	80	60	90	75
Neurology	45	30	60	45	75	60
Neurosurgery	60	40	100	75	110	90
Oncology—Medical, Surgical	45	30	60	45	75	60
Ophthalmology	30	20	50	35	75	60
Orthopedic Surgery	30	20	50	35	75	60
Plastic Surgery	60	40	100	75	110	90
Primary Care—Adult	15	10	30	20	40	30
Primary Care—Pediatric	15	10	30	20	40	30
Psychiatry	45	30	60	45	75	60
Pulmonology	45	30	60	45	75	60
Rheumatology	60	40	100	75	110	90
Urology	45	30	60	45	75	60
Vascular Surgery	60	40	100	75	110	90

Source: https://www.qhpcertification.cms.gov/s/PY2025QHPIssuerInstructions_AppE_NAStandards.pdf

Time and Distance Adequacy Metrics

For each member-provider pair within each specialty, we calculated the driving time (in minutes) and distance (in miles) to determine access to at least one provider. This analysis enabled us to quantify the number of Medicaid members who fall within the established time and distance standards for each county and specialty, while accounting for variations in standards based on county designation (Metro, Micro, or Rural) and provider specialty.

From these data points, we determined the percentage of members meeting access standards for both time and distance parameters. To meet network adequacy requirements, and for consistency with SCDHHS network adequacy benchmarks, a minimum of 90% of members within a county must have access to at least one provider within the applicable time and distance standards outlined in Figure 5.

We then aggregated this data at the regional and state level. In doing so, we ensured that counties with larger Medicaid populations appropriately influenced the results, providing a more accurate representation of actual accessibility across geographic boundaries compared to simple county averages.

E. KEY DEFINITIONS

Key metrics and rankings were used to assess network access and utilization across counties in South Carolina. Counties are ranked as high, medium, or low in need based on their relative scores, culminating in an overall “Level of Need by Area” that identifies which counties or regions have a greater need of resources. Each specialty-specific table included in Section IV contains a summary of the following metrics for each county within the state:

- **Number of Unique Providers** – Count of unique providers in each county, each region, or state. Providers with multiple addresses are counted per county and region, but only once at the state level. This may result in differences in composite totals.
- **Providers per 10,000** – Count of providers per 10,000 Medicaid members in each county, each region, or state.
- **Number of Additional Providers** – Count of unique providers sourced from Milliman’s proprietary data base that are not listed in South Carolina’s Medicaid provider roster that are providing care in each county, each region, or state.
- **Utilization per 1,000** – Utilization of professional services per 1,000 Medicaid members in each county, each region, or state.
- **Time (%)** – Percent of Medicaid members that have access to a provider within the established driving time standard.
- **Distance (%)** – Percent of Medicaid members that have access to a provider within the established driving distance standard.
- **Access Status** – 90% of members must have access to at least one provider within the established standards to receive a passing score.
- **Utilization per 1,000 Rank** – Counties are ranked as high, medium, or low based on their difference from the state-wide composite mean for each specialty.
- **Providers per 10,000 Rank** – Counties were ranked as high, medium, or low based on their provider to member ratio compared to other counties.
- **Access Rank** – Counties were ranked as high, medium, or low based on the average between their time and distance scores, with relative rankings defined as 100% = High, 90%-99.99% = Medium, and less than 90% = Low.
- **Level of Need by Area** – A weighted average of the Access Rank (50% weight), Providers per 10,000 Rank (15% weight), and Utilization per 1,000 Rank (35% weight). This calculation produces a score that identifies counties with the greatest needs across a given specialty. Higher scores indicate counties that have lower utilization, fewer providers relative to population, and more limited geographic access. Results are classified as high (top 25%), medium (middle 50%), or low (bottom 25%) relative need.

IV. Findings

The following subsections contain detailed findings related to the Level of Need by Area and relative ranking for each county, region, and clinical specialty described in the Methodology portion of this report.

A. REGIONAL RESULTS

In summary, the Lowcountry region exhibited the highest area of need, with 11 of the 27 specialties identifying as having high Levels of Need by Area. The Pee Dee region had the lowest overall Area of Need with only 5 of 27 specialties reporting high Levels of Need by Area; however, three of these specialties (Dermatology, Pediatrics, and Family Medicine) were identified in the top 5 Specialties of Need in the State.

FIGURE 6 BELOW PROVIDES A REGIONAL SUMMARY OF LEVEL OF NEED BY AREA RESULTS.
(LOW = LOWER ESTIMATED NEED, HIGH = HIGHER ESTIMATED NEED)

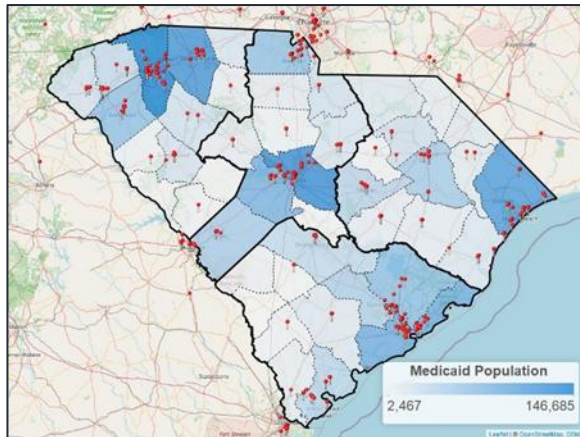
SPECIALTY	LOWCOUNTRY	MIDLANDS	PEE DEE	UPSTATE
Cardiology	High	Medium	Low	Medium
Dermatology	Medium	Low	High	Medium
Emergency Medicine	High	Low	Medium	High
Endocrinology	Medium	Medium	Low	High
ENT/Otolaryngology	Medium	Low	Medium	High
Family Medicine	Medium	Medium	High	Low
Gastroenterology	High	Low	Medium	High
General Surgery	High	Medium	Medium	Low
Hematology and Oncology	High	Medium	Low	Medium
Infectious Diseases	Medium	Medium	Low	High
Internal Medicine	Low	High	Medium	Medium
Nephrology	Medium	High	Medium	Low
Neurology	High	Medium	Medium	Low
Neurosurgery	High	Low	Medium	Medium
OB/GYN	Medium	High	Low	Medium
Ophthalmology	Medium	High	Medium	Low
Orthopedic Surgery	Medium	High	Medium	Low
Pediatric Neurology	Medium	Medium	High	Low
Pediatric Psychiatry	Medium	Low	High	Medium
Pediatrics	Low	Medium	High	Medium
Plastic Surgery	High	Medium	Low	Medium
Psychiatry	High	Low	Medium	Medium
Pulmonology	High	Medium	Medium	Medium
Radiology	Medium	Low	Medium	High
Rheumatology	Low	Medium	Medium	High
Urology	High	Low	Medium	Medium
Vascular Surgery	Low	High	Medium	High

B. COUNTY-LEVEL RESULTS

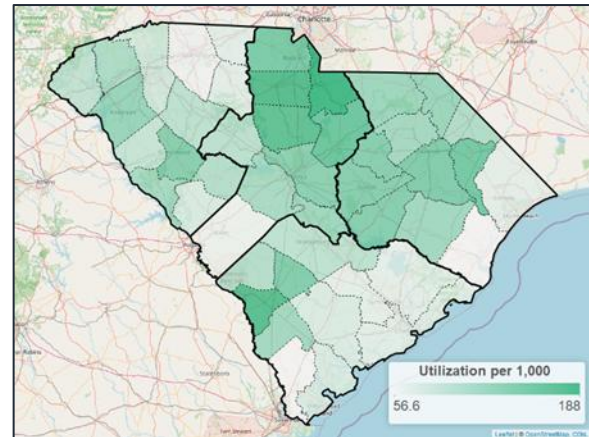
The results in this section are provided at the county and specialty level. For each of the 27 specialties, results are provided through a selection of mapping visualizations and then a subsequent table representing the information which informs the visualizations. These results begin on the next page of this report.

CARDIOLOGY

Member / Provider Locations

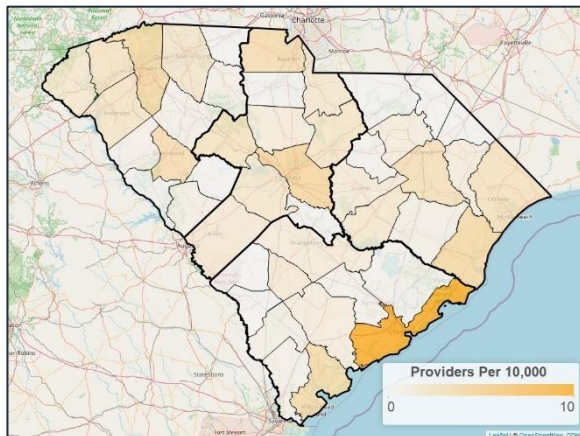


Utilization per 1,000

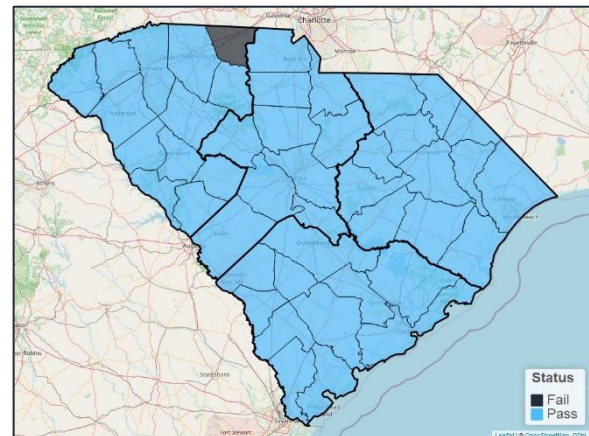


Note: Red pins denote provider locations

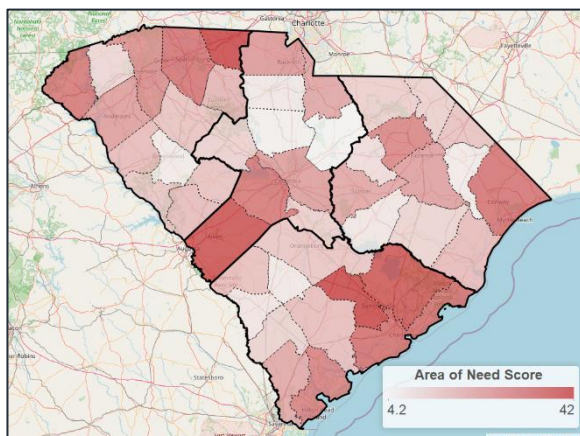
Providers per 10,000



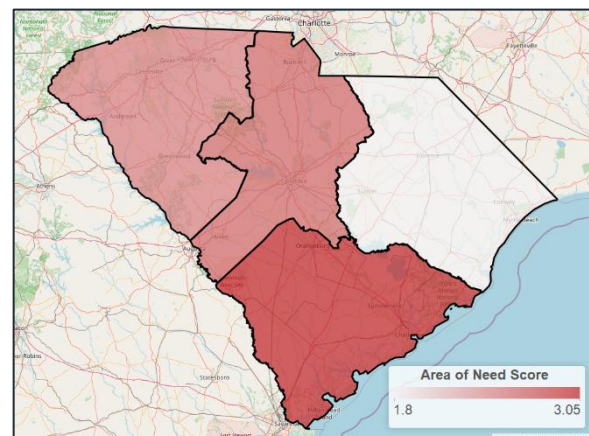
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



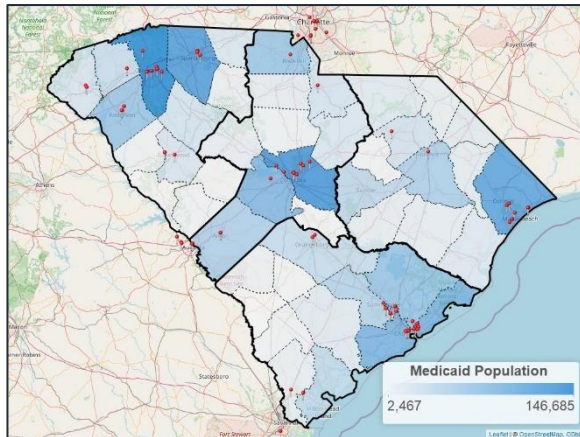
Note: Darker shades indicate greater area of need

FIGURE 7: CARDIOLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

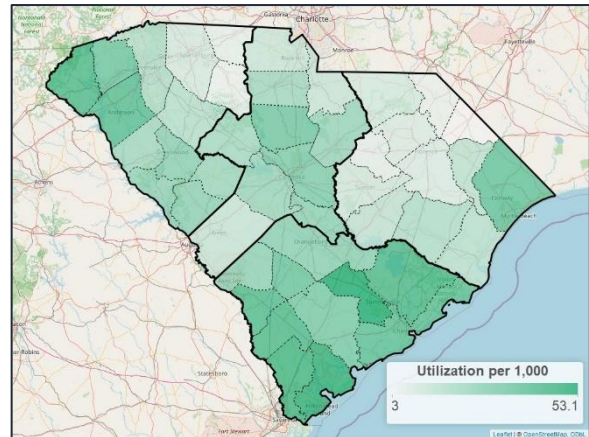
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	1	0.4	0	90.8	100	100	Pass	Medium	Medium	High	Medium
Aiken	13	1.4	0	63	96.1	93.7	Pass	Low	Medium	Medium	High
Allendale	0	0	0	176.2	100	100	Pass	High	Low	High	Low
Anderson	23	2	0	125	99.9	99.8	Pass	Medium	High	Medium	Medium
Bamberg	2	1.4	0	142	100	100	Pass	Medium	Medium	High	Low
Barnwell	0	0	0	103.5	100	100	Pass	Medium	Low	High	Medium
Beaufort	19	3.5	0	74.6	99.8	99.6	Pass	Medium	High	Medium	High
Berkeley	6	0.3	0	67	99.6	97.8	Pass	Low	Low	Medium	High
Calhoun	0	0	0	119.1	100	100	Pass	Medium	Low	High	Medium
Charleston	134	10	14	69.8	99	98.1	Pass	Low	High	Medium	High
Cherokee	0	0	0	68.9	92	86.8	Fail	Low	Low	Low	High
Chester	1	0.2	0	178.6	100	100	Pass	High	Low	High	Low
Chesterfield	0	0	0	121.1	100	100	Pass	Medium	Low	High	Medium
Clarendon	6	1.7	0	138.2	100	100	Pass	Medium	Medium	High	Low
Colleton	5	1	1	72.4	100	100	Pass	Low	Medium	High	Medium
Darlington	6	1	0	115.4	99.9	98.9	Pass	Medium	Medium	Medium	High
Dillon	0	0	0	106.3	100	100	Pass	Medium	Low	High	Medium
Dorchester	4	0.3	0	66.9	98.7	92.7	Pass	Low	Low	Medium	High
Edgefield	1	0.6	0	76.2	100	100	Pass	Medium	Medium	High	Medium
Fairfield	2	1.1	0	171.2	100	100	Pass	High	Medium	High	Low
Florence	29	2.8	0	142.9	99.8	97.8	Pass	Medium	High	Medium	Medium
Georgetown	15	3.7	0	57.4	100	100	Pass	Low	High	High	Medium
Greenville	81	3.6	1	80.1	99.9	99.9	Pass	Medium	High	Medium	High
Greenwood	19	3.2	0	137.7	100	100	Pass	Medium	High	High	Low
Hampton	1	0.6	0	114.4	100	100	Pass	Medium	Medium	High	Medium
Horry	43	2.5	1	67.9	99.9	99.4	Pass	Low	High	Medium	High
Jasper	1	0.4	0	56.6	100	100	Pass	Low	Medium	High	Medium
Kershaw	9	2	0	158.5	100	100	Pass	High	Medium	High	Low
Lancaster	6	1.7	0	187.7	99.8	97.8	Pass	High	Medium	Medium	Medium
Laurens	2	0.4	0	98.6	100	100	Pass	Medium	Medium	High	Medium
Lee	1	0.3	0	138.2	100	100	Pass	Medium	Medium	High	Low
Lexington	35	1.7	0	111.9	98.1	96.5	Pass	Medium	Medium	Medium	High
Marion	4	1	0	151.7	100	100	Pass	High	Medium	High	Low
Marlboro	0	0	0	122.5	100	100	Pass	Medium	Low	High	Low
McCormick	0	0	0	111.8	100	100	Pass	Medium	Low	High	Medium
Newberry	7	2.3	0	98.9	100	100	Pass	Medium	High	High	Low
Oconee	7	1.7	0	93.8	99.1	98.7	Pass	Medium	Medium	Medium	High
Orangeburg	10	1.1	0	96.5	100	100	Pass	Medium	Medium	High	Medium
Pickens	12	2.2	0	109.1	99.9	99.9	Pass	Medium	High	Medium	Medium
Richland	85	3.9	3	135.7	99.9	98.8	Pass	Medium	High	Medium	Medium
Saluda	0	0	0	104.4	100	100	Pass	Medium	Low	High	Medium
Spartanburg	35	1.8	0	59.3	100	99.9	Pass	Low	Medium	Medium	High
Sumter	12	1.2	0	138.4	100	99.9	Pass	Medium	Medium	Medium	Medium
Union	1	0.4	0	68.9	100	100	Pass	Low	Medium	High	Medium
Williamsburg	3	0.6	0	117.2	100	100	Pass	Medium	Medium	High	Low
York	26	3.1	2	147.3	98.2	97.1	Pass	High	High	Medium	Medium
Region											
Lowcountry	160	3.4	15	76.5	99.5	97.9	Pass	Low	High	Medium	High
Midlands	151	2.5	5	128.7	98.8	97.5	Pass	High	Medium	Medium	Medium
Pee Dee	95	1.7	1	107.7	99.9	99.3	Pass	Medium	Low	Medium	Low
Upstate	145	2.1	1	87.6	99.6	99.3	Pass	Medium	Medium	Medium	Medium
State	406	2.4	22	100.5	99.4	98.5	Pass				

DERMATOLOGY

Member / Provider Locations

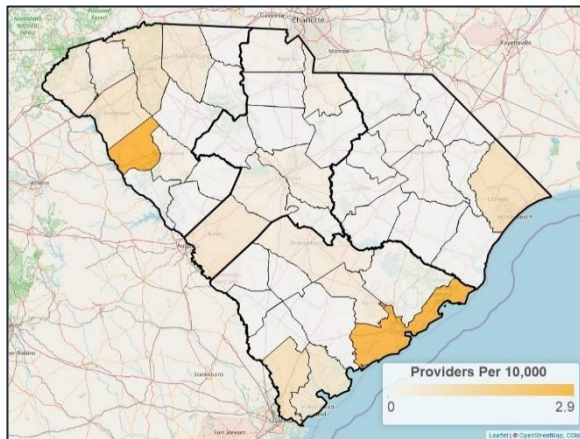


Utilization per 1,000

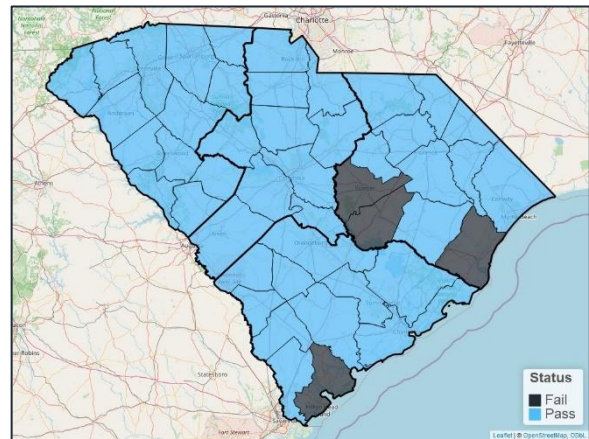


Note: Red pins denote provider locations

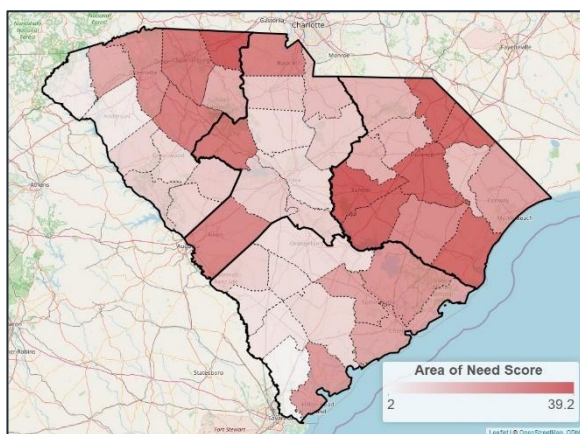
Providers per 10,000



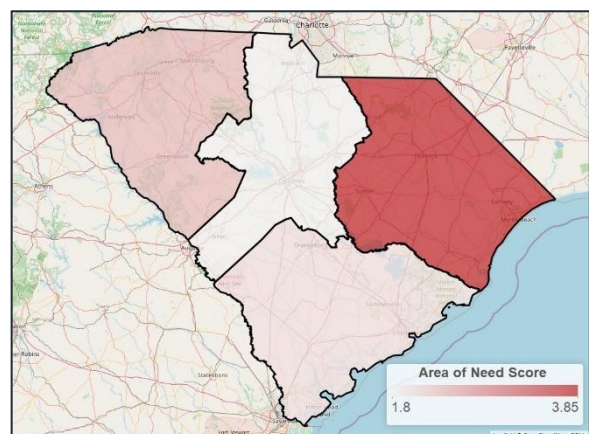
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



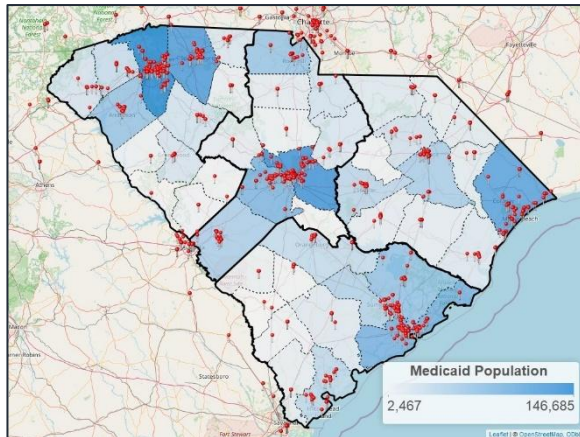
Note: Darker shades indicate greater area of need

FIGURE 8: DERMATOLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

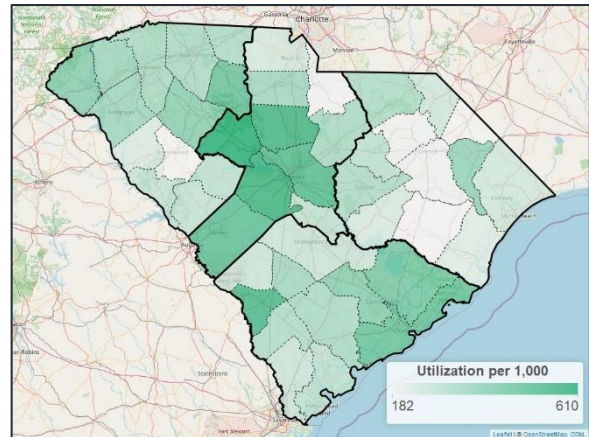
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	3	2.9	0	23	100	100	Pass	Medium	High	High	Low
Aiken	3	0.5	2	14.1	100	99.9	Pass	Medium	High	Medium	High
Allendale	0	0	0	42.5	100	100	Pass	High	Low	High	Low
Anderson	5	0.6	0	40.3	100	100	Pass	Medium	High	High	Low
Bamberg	0	0	0	37	100	100	Pass	Medium	Low	High	Low
Barnwell	0	0	0	27.7	100	100	Pass	Medium	Low	High	Medium
Beaufort	2	0.5	6	50.9	97.3	89.7	Fail	High	High	Medium	Medium
Berkeley	1	0.1	0	44.2	94.9	92.3	Pass	High	Medium	Medium	Medium
Calhoun	0	0	0	27.4	100	100	Pass	Medium	Low	High	Medium
Charleston	31	2.8	21	39.4	99.4	99	Pass	Medium	High	Medium	Medium
Cherokee	0	0	0	6.5	100	91.6	Pass	Low	Low	Medium	High
Chester	0	0	1	23.2	100	100	Pass	Medium	Low	High	Medium
Chesterfield	0	0	0	10.7	100	100	Pass	Medium	Low	High	Medium
Clarendon	0	0	0	15.4	97.5	33.9	Fail	Medium	Low	Low	High
Colleton	0	0	0	33.4	100	100	Pass	Medium	Low	High	Low
Darlington	1	0.1	0	9.3	100	100	Pass	Low	Medium	High	Medium
Dillon	0	0	0	3	100	99.7	Pass	Low	Low	Medium	High
Dorchester	3	0.3	0	53.1	100	94.7	Pass	High	Medium	Medium	Medium
Edgefield	0	0	0	27.9	100	100	Pass	Medium	Low	High	Medium
Fairfield	0	0	0	34.9	100	100	Pass	Medium	Low	High	Low
Florence	1	0.1	0	9.2	97	95.3	Pass	Low	Medium	Medium	High
Georgetown	0	0	0	17.4	86.2	86.4	Fail	Medium	Low	Low	High
Greenville	12	0.6	6	18.6	99.9	99.9	Pass	Medium	High	Medium	Medium
Greenwood	1	0.2	0	28.1	100	100	Pass	Medium	Medium	High	Low
Hampton	0	0	0	44.1	100	100	Pass	High	Low	High	Low
Horry	9	0.8	1	37.6	99.4	98.8	Pass	Medium	High	Medium	Medium
Jasper	1	0.8	0	47.8	100	100	Pass	High	High	High	Low
Kershaw	0	0	0	25.3	100	100	Pass	Medium	Low	High	Medium
Lancaster	1	0.2	0	13.4	100	100	Pass	Medium	Medium	High	Medium
Laurens	0	0	0	18.2	100	99.8	Pass	Medium	Low	Medium	High
Lee	0	0	0	6.7	100	100	Pass	Low	Low	High	Medium
Lexington	2	0.2	0	24.7	100	100	Pass	Medium	Medium	High	Medium
Marion	0	0	0	16.4	100	100	Pass	Medium	Low	High	Medium
Marlboro	0	0	0	5.9	99.9	97	Pass	Low	Low	Medium	High
McCormick	0	0	0	26.1	100	100	Pass	Medium	Low	High	Medium
Newberry	0	0	0	22.2	100	93.8	Pass	Medium	Low	Medium	High
Oconee	2	0.4	0	43.6	100	100	Pass	High	High	High	Low
Orangeburg	2	0.3	0	28.4	100	100	Pass	Medium	High	High	Low
Pickens	2	0.3	0	35.6	99.9	100	Pass	Medium	High	Medium	Medium
Richland	5	0.2	6	31.4	100	100	Pass	Medium	Medium	High	Low
Saluda	0	0	0	24.5	100	100	Pass	Medium	Low	High	Medium
Spartanburg	6	0.4	4	10	100	99.9	Pass	Low	High	Medium	High
Sumter	0	0	1	11.5	19.9	2.3	Fail	Medium	Low	Low	High
Union	0	0	0	5.7	100	100	Pass	Low	Low	High	Medium
Williamsburg	0	0	0	19.4	99.9	100	Pass	Medium	Low	Medium	Medium
York	1	0.1	1	13.3	100	99.9	Pass	Medium	Medium	Medium	High
Region											
Lowcountry	36	0.9	27	42.1	98.5	96.1	Pass	High	High	Medium	Medium
Midlands	12	0.2	10	23.1	100	99.8	Pass	Medium	Low	Medium	Low
Pee Dee	11	0.3	2	19.4	88.7	83.6	Fail	Low	Medium	Low	High
Upstate	26	0.4	10	21.8	99.9	99.6	Pass	Medium	Medium	Medium	Medium
State	74	0.4	49	25.9	97.2	95.5	Pass				

EMERGENCY MEDICINE

Member / Provider Locations

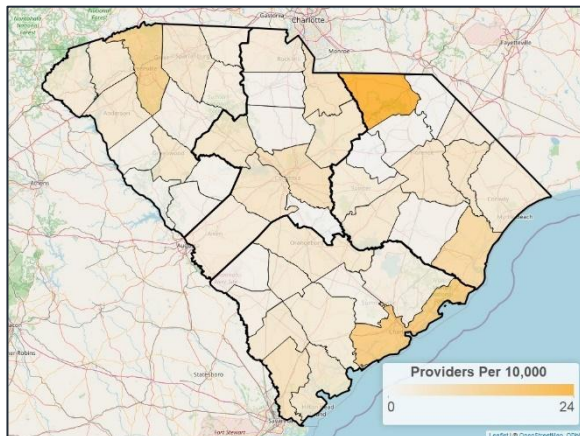


Utilization per 1,000

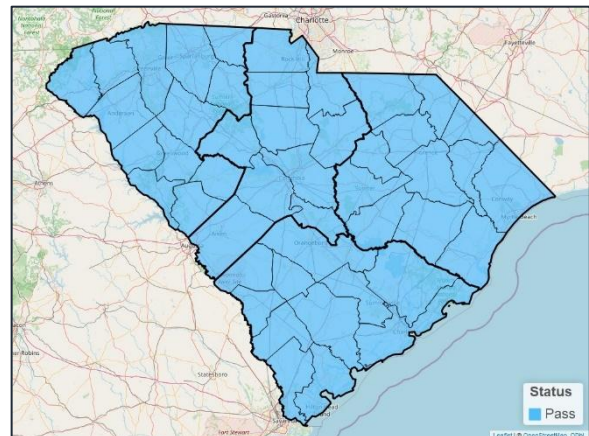


Note: Red pins denote provider locations

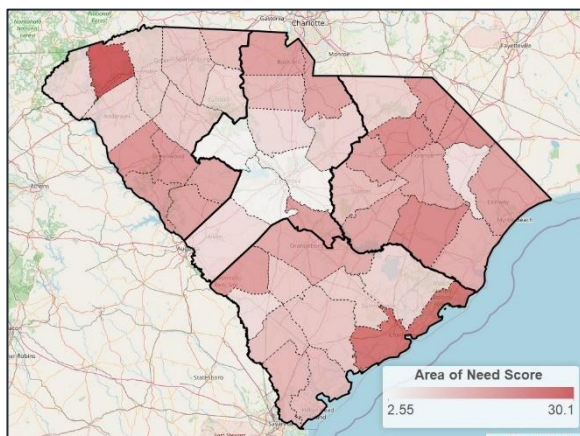
Providers per 10,000



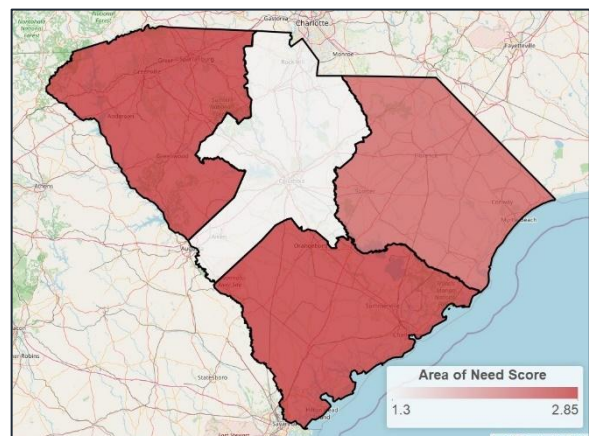
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



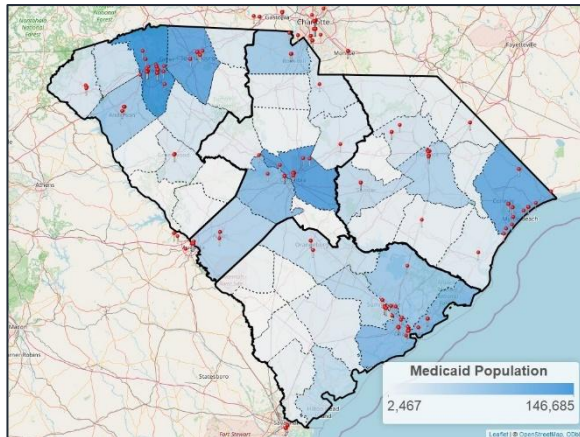
Note: Darker shades indicate greater area of need

FIGURE 9: EMERGENCY MEDICINE ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

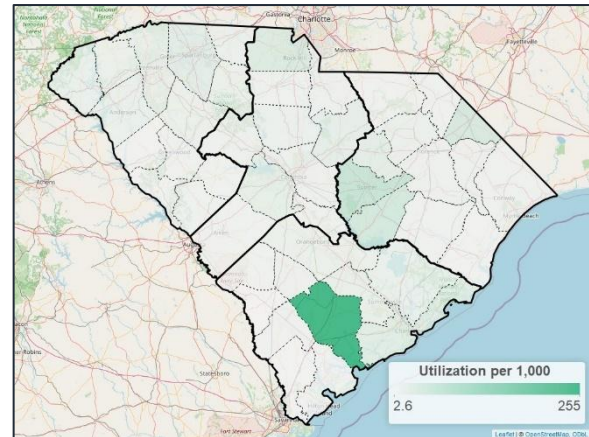
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	2	1.2	0	236.9	100	100	Pass	Medium	Low	High	High
Aiken	35	2.6	0	503.3	100	100	Pass	High	Medium	High	Low
Allendale	2	1.7	0	557.5	100	100	Pass	High	Medium	High	Low
Anderson	60	4	3	364.5	100	100	Pass	Medium	Medium	High	Low
Bamberg	6	3	0	357.7	100	100	Pass	Medium	Medium	High	Medium
Barnwell	4	0.9	0	272.4	100	100	Pass	Medium	Low	High	High
Beaufort	42	4.4	2	296.8	100	100	Pass	Medium	Medium	High	Medium
Berkeley	41	2.1	2	452.7	100	100	Pass	High	Medium	High	Low
Calhoun	0	0	0	289.5	100	100	Pass	Medium	Low	High	High
Charleston	251	14.8	27	481.2	99.9	99.8	Pass	High	High	Medium	High
Cherokee	15	2.4	0	335	100	100	Pass	Medium	Medium	High	Medium
Chester	4	0.8	0	360.6	100	100	Pass	Medium	Low	High	Medium
Chesterfield	76	24	3	333.7	100	100	Pass	Medium	High	High	Medium
Clarendon	16	4	0	242.7	100	100	Pass	Medium	Medium	High	Medium
Colleton	14	3.2	0	341.8	100	100	Pass	Medium	Medium	High	Medium
Darlington	10	0.8	0	193.2	100	100	Pass	Low	Low	High	High
Dillon	15	3	1	185.9	100	100	Pass	Low	Medium	High	High
Dorchester	20	1.2	1	416.3	100	100	Pass	Medium	Medium	High	Medium
Edgefield	3	1	0	284.9	100	100	Pass	Medium	Low	High	Medium
Fairfield	4	1.1	0	574.4	100	100	Pass	High	Low	High	Low
Florence	68	4.9	0	194.8	100	100	Pass	Low	High	High	Medium
Georgetown	40	10.1	0	225.9	100	100	Pass	Low	High	High	Medium
Greenville	300	12.1	14	334.6	100	100	Pass	Medium	High	High	Medium
Greenwood	30	4.4	0	181.5	100	100	Pass	Low	Medium	High	High
Hampton	9	4.3	1	324.7	100	100	Pass	Medium	Medium	High	Medium
Horry	84	3.1	19	256.3	100	100	Pass	Medium	Medium	High	Medium
Jasper	12	6.2	0	270.9	100	100	Pass	Medium	High	High	Medium
Kershaw	31	4.8	1	343.5	100	100	Pass	Medium	High	High	Low
Lancaster	29	6.2	0	186.5	100	100	Pass	Low	High	High	Medium
Laurens	15	1.6	0	408.7	100	100	Pass	Medium	Medium	High	Medium
Lee	0	0	2	297.5	100	100	Pass	Medium	Low	High	Medium
Lexington	103	5	2	582.9	100	100	Pass	High	High	High	Low
Marion	18	5.2	1	384.2	100	100	Pass	Medium	High	High	Low
Marlboro	3	0.5	0	260.2	100	100	Pass	Medium	Low	High	High
McCormick	1	0.8	0	275.1	100	100	Pass	Medium	Low	High	High
Newberry	22	4.8	1	609.8	100	100	Pass	High	High	High	Low
Oconee	23	3.5	0	412.6	100	100	Pass	Medium	Medium	High	Low
Orangeburg	39	3.9	0	270.8	100	100	Pass	Medium	Medium	High	Medium
Pickens	38	4	0	366.9	99.9	100	Pass	Medium	Medium	Medium	High
Richland	183	7	20	530.7	100	100	Pass	High	High	High	Low
Saluda	2	0.7	0	296.9	100	100	Pass	Medium	Low	High	Medium
Spartanburg	119	4.2	4	337.6	100	100	Pass	Medium	Medium	High	Medium
Sumter	36	3.2	1	332.4	100	100	Pass	Medium	Medium	High	Medium
Union	6	2.3	0	479.1	100	100	Pass	High	Medium	High	Low
Williamsburg	8	1.1	0	182.7	100	100	Pass	Low	Low	High	High
York	32	2.8	1	247	100	100	Pass	Medium	Medium	High	High
Region											
Lowcountry	339	6.1	32	396.3	99.9	99.9	Pass	Medium	High	Medium	High
Midlands	344	4.8	25	457.4	100	100	Pass	High	Medium	High	Low
Pee Dee	291	4.6	26	253	100	100	Pass	Low	Low	High	Medium
Upstate	436	5.8	21	341.7	99.9	100	Pass	Medium	Medium	Medium	High
State	894	5.3	104	363.9	99.9	99.9	Pass				

ENDOCRINOLOGY

Member / Provider Locations

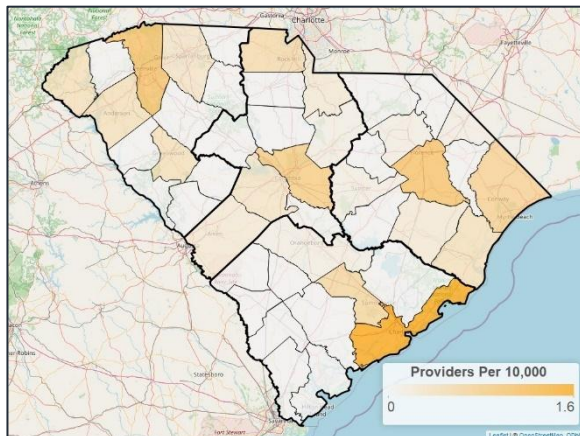


Utilization per 1,000

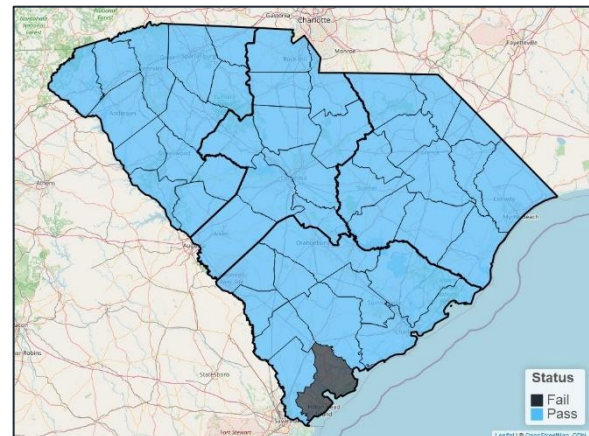


Note: Red pins denote provider locations

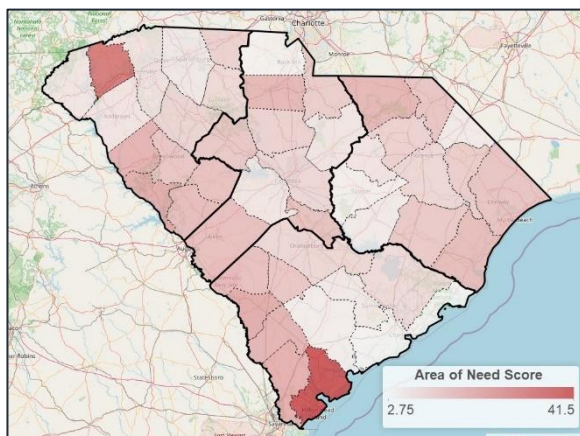
Providers per 10,000



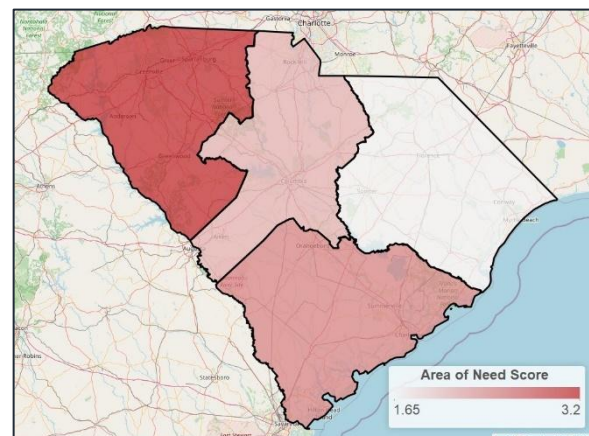
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



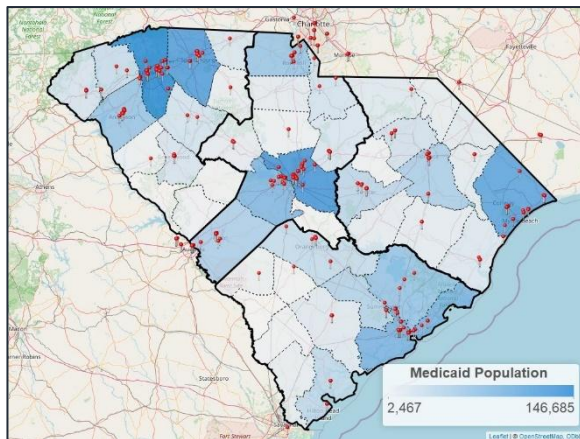
Note: Darker shades indicate greater area of need

FIGURE 10: ENDOCRINOLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

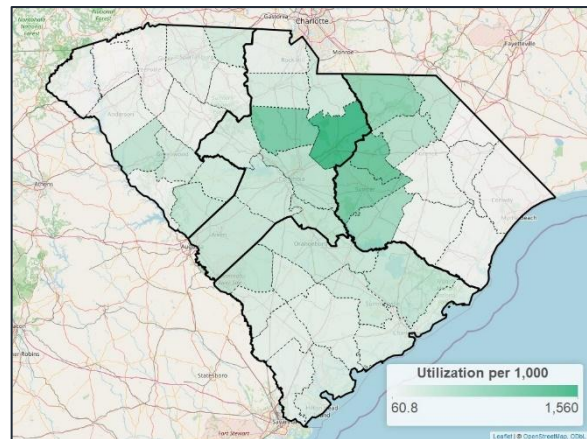
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	0	0	0	6.5	100	100	Pass	Medium	Low	High	High
Aiken	2	0.2	0	8.9	100	100	Pass	Medium	Medium	High	Medium
Allendale	0	0	0	2.6	100	100	Pass	Low	Low	High	High
Anderson	4	0.4	0	16.5	100	100	Pass	Medium	High	High	Medium
Bamberg	0	0	0	10.8	100	100	Pass	Medium	Low	High	Medium
Barnwell	0	0	0	9.1	100	100	Pass	Medium	Low	High	High
Beaufort	0	0	2	5.4	35.9	33	Fail	Low	Low	Low	High
Berkeley	1	0	0	16.1	100	100	Pass	Medium	Medium	High	Medium
Calhoun	0	0	0	9.7	100	100	Pass	Medium	Low	High	Medium
Charleston	24	1.6	6	29.5	100	100	Pass	High	High	High	Low
Cherokee	0	0	0	13.4	100	100	Pass	Medium	Low	High	Medium
Chester	0	0	0	8.7	100	100	Pass	Medium	Low	High	High
Chesterfield	0	0	0	8.2	100	100	Pass	Medium	Low	High	High
Clarendon	0	0	0	46.6	100	100	Pass	High	Low	High	Low
Colleton	0	0	0	255	100	100	Pass	High	Low	High	Low
Darlington	2	0.1	1	12.7	100	100	Pass	Medium	Medium	High	Medium
Dillon	1	0.1	0	42.5	100	100	Pass	High	Medium	High	Low
Dorchester	6	0.6	1	17.3	100	100	Pass	Medium	High	High	Low
Edgefield	0	0	0	9	100	100	Pass	Medium	Low	High	High
Fairfield	0	0	0	13.4	100	100	Pass	Medium	Low	High	Medium
Florence	8	1	0	11.6	100	100	Pass	Medium	High	High	Medium
Georgetown	2	0.4	0	6.7	100	100	Pass	Medium	High	High	High
Greenville	22	1	0	14.6	100	100	Pass	Medium	High	High	Medium
Greenwood	3	0.4	0	9	100	100	Pass	Medium	High	High	Medium
Hampton	0	0	0	7.6	100	100	Pass	Medium	Low	High	High
Horry	12	0.7	0	8.7	100	100	Pass	Medium	High	High	Medium
Jasper	0	0	0	5	100	100	Pass	Low	Low	High	High
Kershaw	1	0.1	0	20.8	100	100	Pass	Medium	Medium	High	Low
Lancaster	1	0.2	0	11.5	100	100	Pass	Medium	Medium	High	Medium
Laurens	0	0	0	14.2	100	100	Pass	Medium	Low	High	Medium
Lee	0	0	0	24.6	100	100	Pass	Medium	Low	High	Medium
Lexington	7	0.3	0	20	100	100	Pass	Medium	Medium	High	Low
Marion	0	0	0	12.3	100	100	Pass	Medium	Low	High	Medium
Marlboro	0	0	0	10.1	100	100	Pass	Medium	Low	High	Medium
McCormick	0	0	0	4.5	100	100	Pass	Low	Low	High	High
Newberry	0	0	0	11	100	100	Pass	Medium	Low	High	Medium
Oconee	3	0.4	0	16.5	100	100	Pass	Medium	High	High	Low
Orangeburg	1	0.1	0	14.2	100	100	Pass	Medium	Medium	High	Medium
Pickens	0	0	0	13.9	99.9	100	Pass	Medium	Low	Medium	High
Richland	14	0.8	2	11.9	100	100	Pass	Medium	High	High	Medium
Saluda	0	0	0	9.5	100	100	Pass	Medium	Low	High	Medium
Spartanburg	8	0.3	0	23.7	100	100	Pass	Medium	High	High	Low
Sumter	1	0.1	0	63.7	100	100	Pass	High	Medium	High	Low
Union	0	0	0	14.9	100	100	Pass	Medium	Low	High	Medium
Williamsburg	1	0.2	0	9.9	100	100	Pass	Medium	Medium	High	Medium
York	4	0.5	0	35.9	100	100	Pass	High	High	High	Low
Region											
Lowcountry	26	0.5	8	29.6	92.7	92.3	Pass	High	High	Medium	Medium
Midlands	24	0.4	2	17.2	100	100	Pass	Medium	Low	High	Medium
Pee Dee	23	0.4	1	19.5	100	100	Pass	Medium	Medium	High	Low
Upstate	32	0.5	0	16.4	99.9	100	Pass	Low	Medium	Medium	High
State	78	0.5	11	20.1	98.5	98.4	Pass				

ENT/OTOLARYNGOLOGY

Member / Provider Locations

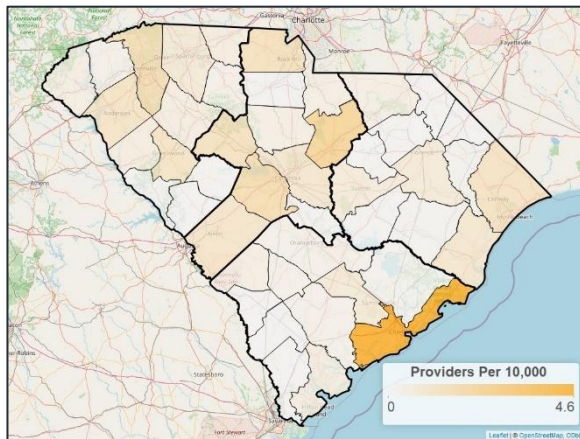


Utilization per 1,000

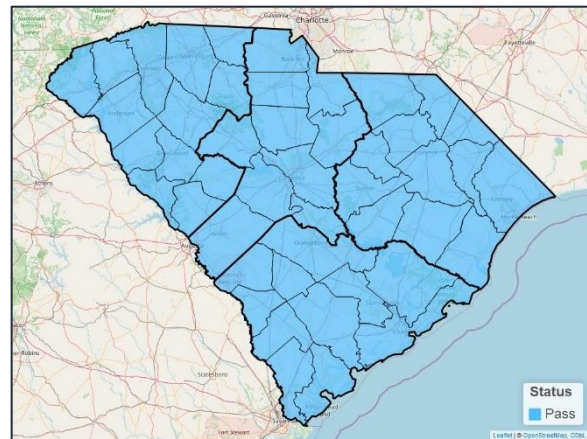


Note: Red pins denote provider locations

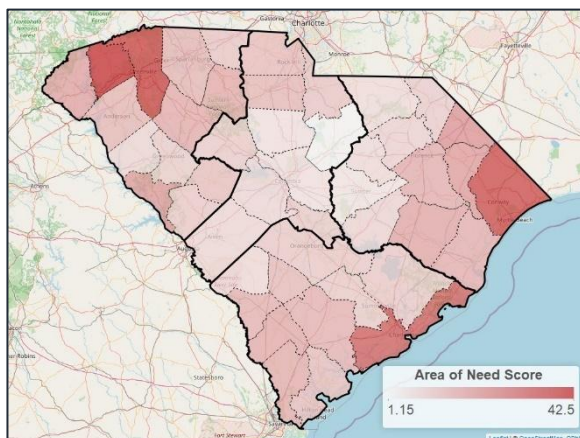
Providers per 10,000



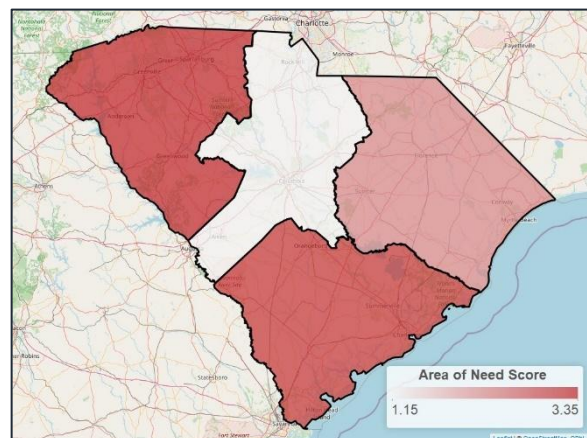
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



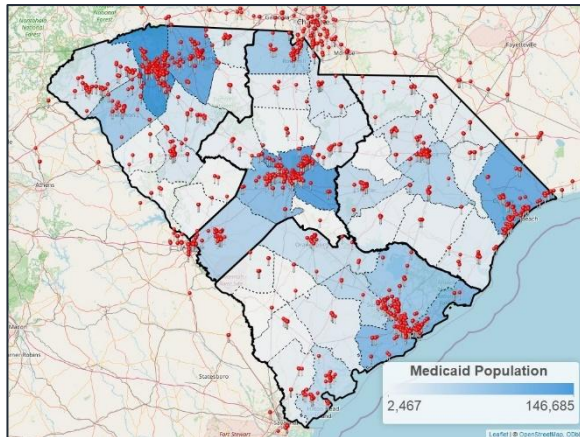
Note: Darker shades indicate greater area of need

FIGURE 11: ENT/OTOLARYNGOLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

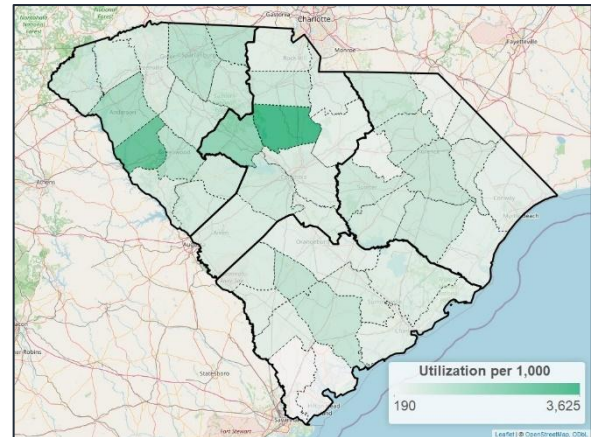
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	1	0.4	0	485	100	100	Pass	Medium	Medium	High	Low
Aiken	7	0.9	0	437.8	100	100	Pass	Medium	High	High	Low
Allendale	0	0	0	249.6	100	100	Pass	Medium	Low	High	Medium
Anderson	15	1	0	135.5	100	100	Pass	Medium	High	High	Medium
Bamberg	1	0.2	0	280.9	100	100	Pass	Medium	Medium	High	Medium
Barnwell	1	0.3	0	496.4	100	100	Pass	Medium	Medium	High	Low
Beaufort	4	0.4	0	251.2	100	100	Pass	Medium	Medium	High	Medium
Berkeley	2	0.1	1	440.9	100	100	Pass	Medium	Medium	High	Medium
Calhoun	0	0	0	493.2	100	100	Pass	Medium	Low	High	Medium
Charleston	62	4.6	24	238.8	99.7	99.6	Pass	Medium	High	Medium	High
Cherokee	1	0.4	0	334	100	100	Pass	Medium	Medium	High	Medium
Chester	0	0	0	308	100	100	Pass	Medium	Low	High	Medium
Chesterfield	1	0.3	0	885.4	100	100	Pass	High	Medium	High	Low
Clarendon	0	0	0	744.5	100	100	Pass	High	Low	High	Low
Colleton	2	0.2	0	221.6	100	100	Pass	Medium	Medium	High	Medium
Darlington	1	0	0	599.1	100	100	Pass	Medium	Medium	High	Low
Dillon	0	0	0	74.3	100	100	Pass	Low	Low	High	High
Dorchester	7	0.6	0	347.8	100	100	Pass	Medium	Medium	High	Medium
Edgefield	0	0	0	452.7	100	100	Pass	Medium	Low	High	Medium
Fairfield	2	0.3	0	1106.6	100	100	Pass	High	Medium	High	Low
Florence	10	0.6	0	127.4	100	100	Pass	Medium	Medium	High	Medium
Georgetown	2	0.8	0	117.9	100	100	Pass	Low	High	High	Medium
Greenville	36	1.4	1	70.8	99.9	99.9	Pass	Low	High	Medium	High
Greenwood	7	1	0	337.7	100	100	Pass	Medium	High	High	Medium
Hampton	0	0	0	190.6	100	100	Pass	Medium	Low	High	High
Horry	16	1.1	1	89.8	99.9	100	Pass	Low	High	Medium	High
Jasper	0	0	0	197.6	100	100	Pass	Medium	Low	High	Medium
Kershaw	12	2.1	0	1559.8	100	100	Pass	High	High	High	Low
Lancaster	3	0.3	0	349.7	100	100	Pass	Medium	Medium	High	Medium
Laurens	2	0.4	0	135.4	100	100	Pass	Medium	Medium	High	High
Lee	0	0	0	1257.8	100	100	Pass	High	Low	High	Low
Lexington	21	1.5	0	405.8	100	100	Pass	Medium	High	High	Low
Marion	1	0.1	0	117	100	100	Pass	Low	Medium	High	High
Marlboro	0	0	0	496.1	100	100	Pass	Medium	Low	High	Medium
McCormick	0	0	0	107.8	100	100	Pass	Low	Low	High	High
Newberry	3	1.2	0	299.3	100	100	Pass	Medium	High	High	Medium
Oconee	2	0.3	0	91.1	100	100	Pass	Low	Medium	High	High
Orangeburg	4	0.2	0	418.1	100	100	Pass	Medium	Medium	High	Medium
Pickens	3	0.2	0	60.8	99.9	100	Pass	Low	Medium	Medium	High
Richland	24	0.8	1	546.9	100	100	Pass	Medium	High	High	Low
Saluda	0	0	0	368.7	100	100	Pass	Medium	Low	High	Medium
Spartanburg	15	0.6	0	158.8	100	100	Pass	Medium	Medium	High	Medium
Sumter	5	0.5	1	1103.5	100	100	Pass	High	Medium	High	Low
Union	1	0.2	0	149.5	100	100	Pass	Medium	Medium	High	High
Williamsburg	1	0.1	0	138.1	100	100	Pass	Medium	Medium	High	High
York	11	1.2	0	174.6	100	100	Pass	Medium	High	High	Medium
Region											
Lowcountry	66	1.4	25	321.2	99.9	99.9	Pass	Medium	High	Medium	Medium
Midlands	61	1	1	483.2	100	100	Pass	High	Medium	High	Low
Pee Dee	34	0.6	2	368.3	99.9	100	Pass	Medium	Low	Medium	Medium
Upstate	60	0.8	1	149	99.9	99.9	Pass	Low	Medium	Medium	High
State	157	0.9	29	321.2	99.9	99.9	Pass				

FAMILY MEDICINE

Member / Provider Locations

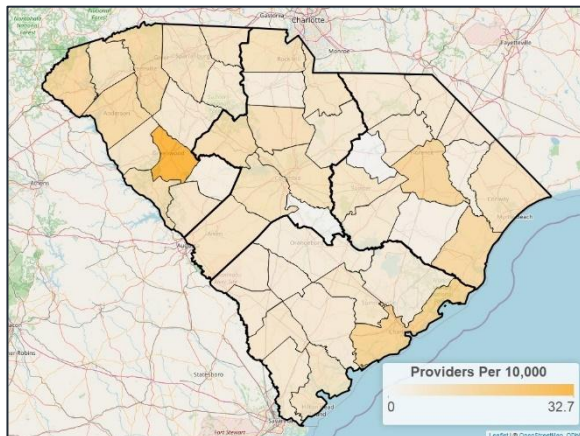


Utilization per 1,000

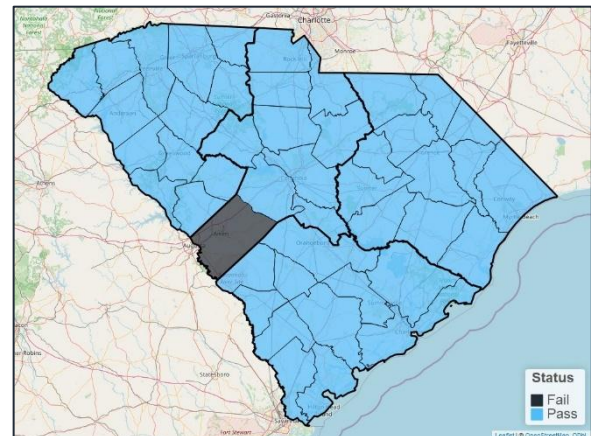


Note: Red pins denote provider locations

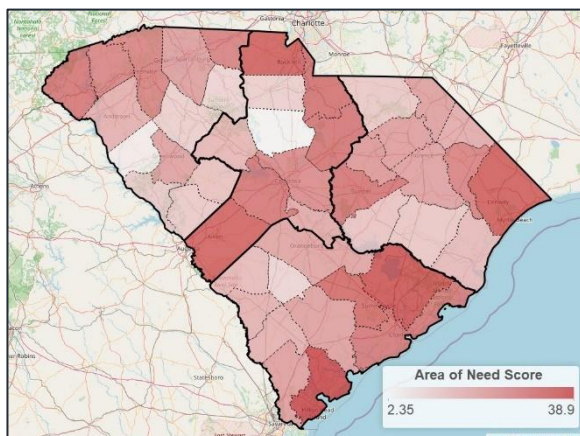
Providers per 10,000



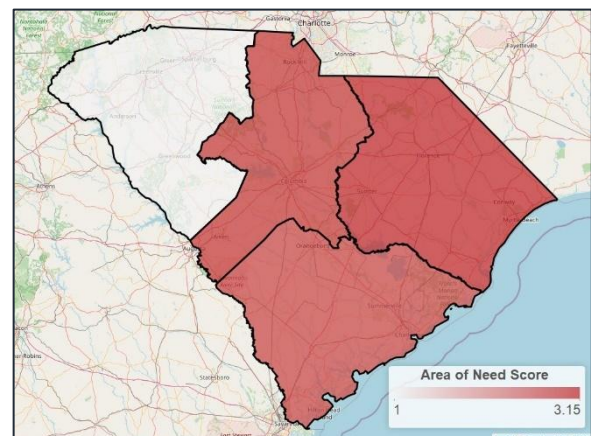
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



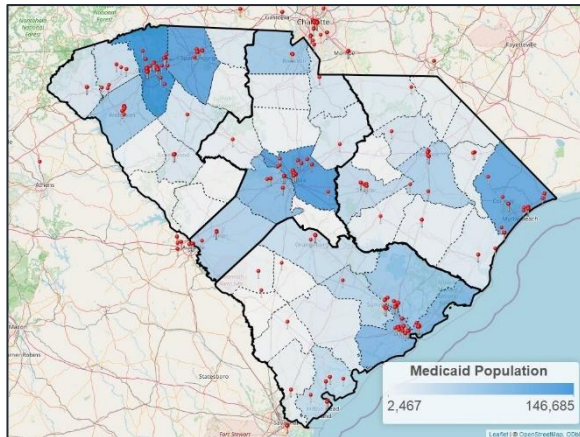
Note: Darker shades indicate greater area of need

FIGURE 12: FAMILY MEDICINE ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

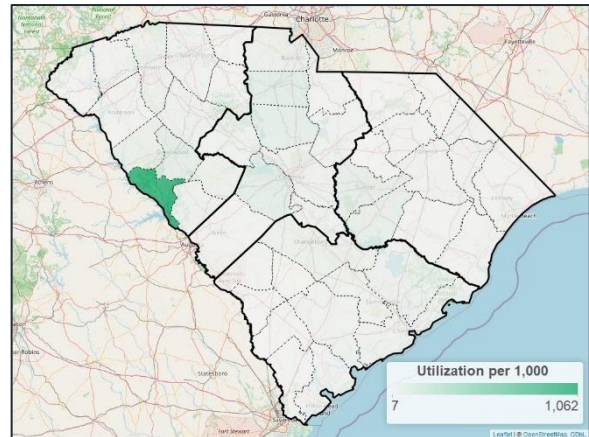
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	14	7.9	3	3042.5	100	100	Pass	High	Medium	High	Low
Aiken	78	8	6	676.8	89.8	88.2	Fail	Medium	Medium	Low	High
Allendale	4	5.2	1	588.4	100	100	Pass	Medium	Medium	High	Medium
Anderson	162	13.5	10	1665.8	99.4	99.6	Pass	High	High	Medium	Medium
Bamberg	7	4.5	1	1158.5	100	100	Pass	Medium	Low	High	Low
Barnwell	10	5	0	672.2	100	100	Pass	Medium	Low	High	Medium
Beaufort	55	7.9	15	205.6	97.2	97.1	Pass	Low	Medium	Medium	High
Berkeley	76	4.5	8	587.2	97.6	96.9	Pass	Medium	Low	Medium	High
Calhoun	1	0.2	0	597.3	100	100	Pass	Medium	Low	High	Medium
Charleston	298	17	79	457	99.6	99.4	Pass	Medium	High	Medium	High
Cherokee	29	7.9	4	1307.5	94.1	91	Pass	Medium	Medium	Medium	Medium
Chester	7	3.5	0	973.5	100	100	Pass	Medium	Low	High	Low
Chesterfield	22	5.2	5	895.1	100	100	Pass	Medium	Medium	High	Low
Clarendon	20	5.3	5	806.2	100	100	Pass	Medium	Medium	High	Low
Colleton	16	5	0	1062	100	99.9	Pass	Medium	Low	Medium	Medium
Darlington	40	5.9	23	971.8	99.9	99.9	Pass	Medium	Medium	Medium	Medium
Dillon	15	5	0	559.6	100	100	Pass	Medium	Low	High	Medium
Dorchester	82	6.5	3	621.4	98.4	98.4	Pass	Medium	Medium	Medium	High
Edgefield	13	7.6	1	792.5	100	100	Pass	Medium	Medium	High	Low
Fairfield	19	10.4	0	3625	100	100	Pass	High	High	High	Low
Florence	168	15.1	0	1044.2	99.8	98.6	Pass	Medium	High	Medium	Medium
Georgetown	57	13.9	3	473	100	100	Pass	Medium	High	High	Medium
Greenville	334	12.9	43	632	99.5	99.3	Pass	Medium	High	Medium	Medium
Greenwood	134	32.7	0	1331.9	98.5	97.1	Pass	High	High	Medium	Medium
Hampton	14	6.8	0	534.6	100	100	Pass	Medium	Medium	High	Medium
Horry	156	8.5	14	468.7	98.2	97.1	Pass	Medium	Medium	Medium	High
Jasper	13	5.4	0	190.1	100	100	Pass	Low	Medium	High	Medium
Kershaw	28	5.8	0	459.1	100	99.9	Pass	Medium	Medium	Medium	High
Lancaster	37	8.2	0	607.9	99.3	98.9	Pass	Medium	Medium	Medium	High
Laurens	30	5.4	2	899.9	100	100	Pass	Medium	Medium	High	Low
Lee	0	0	0	367.8	100	100	Pass	Low	Low	High	Medium
Lexington	152	9.4	3	899.7	96.2	95.8	Pass	Medium	Medium	Medium	High
Marion	12	3.1	0	699.5	100	99.9	Pass	Medium	Low	Medium	Medium
Marlboro	14	5.3	0	361.8	100	100	Pass	Low	Medium	High	Medium
McCormick	6	10.8	1	644.1	100	100	Pass	Medium	High	High	Low
Newberry	32	11.2	0	2098.2	99.9	99.9	Pass	High	High	Medium	Medium
Oconee	65	14.3	12	858	95.3	94.9	Pass	Medium	High	Medium	High
Orangeburg	46	4.2	1	497.6	100	100	Pass	Medium	Low	High	Medium
Pickens	70	9.3	1	731.2	99	99.2	Pass	Medium	Medium	Medium	Medium
Richland	251	9.4	47	634.1	99.9	99.8	Pass	Medium	High	Medium	Medium
Saluda	5	3.2	0	873	100	100	Pass	Medium	Low	High	Low
Spartanburg	184	8.3	27	1263.2	99.5	99.2	Pass	Medium	Medium	Medium	Medium
Sumter	58	7.5	14	919.7	97.1	95.2	Pass	Medium	Medium	Medium	High
Union	15	5.5	1	947.2	100	100	Pass	Medium	Medium	High	Low
Williamsburg	10	2.4	0	933.3	100	100	Pass	Medium	Low	High	Low
York	83	9.4	7	558	96.6	97.2	Pass	Medium	High	Medium	High
Region											
Lowcountry	462	8.6	105	525.8	98.8	98.6	Pass	Low	Medium	Medium	Medium
Midlands	563	8.8	63	787	97.3	97.1	Pass	Medium	Medium	Medium	Medium
Pee Dee	456	8.3	64	716.8	99	98.3	Pass	Medium	Low	Medium	High
Upstate	780	11.5	105	1076.5	99	98.7	Pass	High	High	Medium	Low
State	1585	9.5	337	805.9	98.5	98.2	Pass				

GASTROENTEROLOGY

Member / Provider Locations

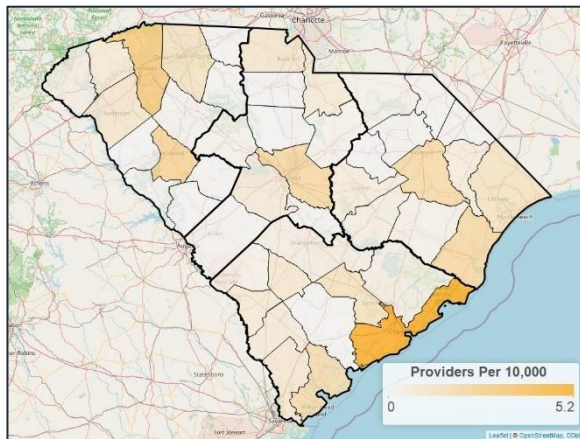


Utilization per 1,000

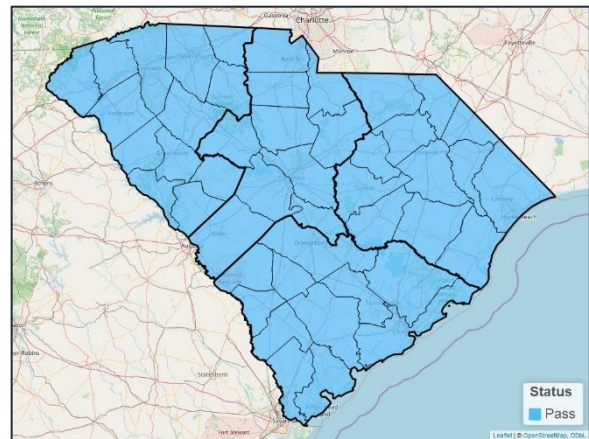


Note: Red pins denote provider locations

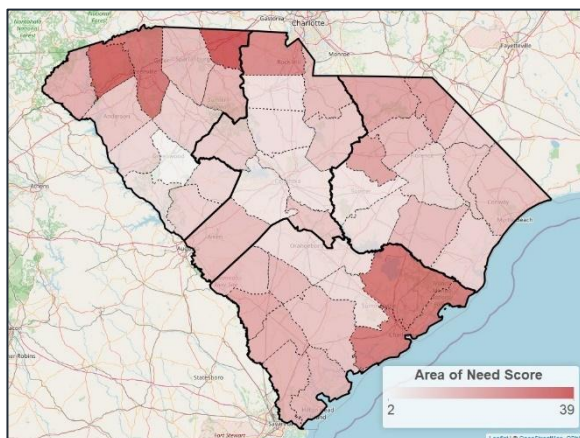
Providers per 10,000



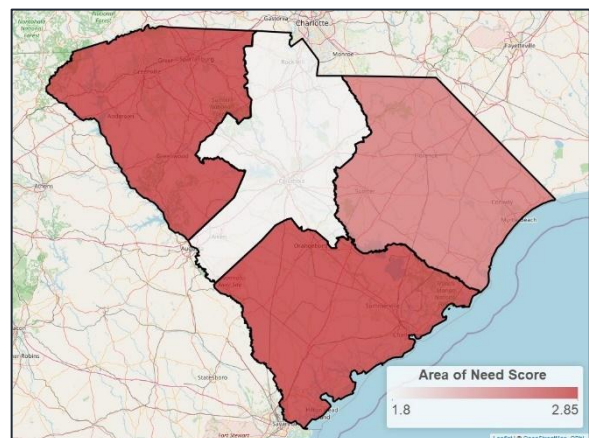
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



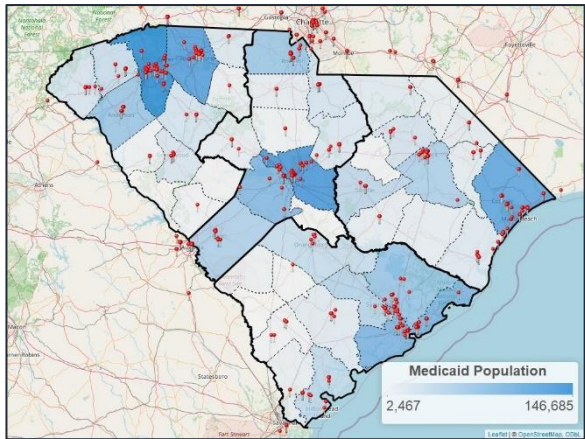
Note: Darker shades indicate greater area of need

FIGURE 13: GASTROENTEROLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

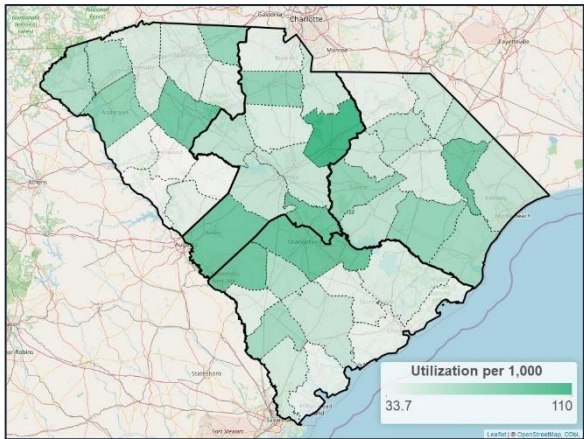
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	0	0	0	67.6	100	100	Pass	Medium	Low	High	Low
Aiken	3	0.1	0	23.7	100	100	Pass	Medium	Medium	High	Medium
Allendale	1	0.7	0	7	100	100	Pass	Low	Medium	High	High
Anderson	8	0.9	0	22.5	100	100	Pass	Medium	High	High	Medium
Bamberg	1	0.8	0	17.8	100	100	Pass	Medium	Medium	High	Medium
Barnwell	1	0.3	0	23.6	100	100	Pass	Medium	Medium	High	Medium
Beaufort	9	1.7	1	13.6	100	100	Pass	Low	High	High	Medium
Berkeley	6	0.4	0	41.7	99.9	97.4	Pass	Medium	Medium	Medium	High
Calhoun	0	0	1	37.8	100	100	Pass	Medium	Low	High	Medium
Charleston	68	5.2	5	30.1	99.8	99.6	Pass	Medium	High	Medium	High
Cherokee	0	0	0	20.2	100	99.9	Pass	Medium	Low	Medium	High
Chester	0	0	0	105.1	100	100	Pass	High	Low	High	Low
Chesterfield	1	0.2	0	10.1	100	100	Pass	Low	Medium	High	High
Clarendon	1	0.4	0	76.7	100	100	Pass	High	Medium	High	Low
Colleton	0	0	0	32.9	100	100	Pass	Medium	Low	High	Medium
Darlington	1	0.1	0	22.7	100	100	Pass	Medium	Medium	High	Medium
Dillon	0	0	0	40.6	100	100	Pass	Medium	Low	High	Medium
Dorchester	14	1.3	0	39.7	100	100	Pass	Medium	High	High	Low
Edgefield	0	0	0	48.2	100	100	Pass	Medium	Low	High	Medium
Fairfield	0	0	0	94.2	100	100	Pass	High	Low	High	Low
Florence	20	1.9	0	30.4	100	100	Pass	Medium	High	High	Medium
Georgetown	6	2	1	23.8	100	100	Pass	Medium	High	High	Medium
Greenville	59	2.9	0	20.9	99.9	100	Pass	Medium	High	Medium	High
Greenwood	7	2.3	0	104.5	100	100	Pass	High	High	High	Low
Hampton	1	0.6	0	13.2	100	100	Pass	Low	Medium	High	High
Horry	20	1.2	0	20.2	100	100	Pass	Medium	High	High	Medium
Jasper	1	0.8	0	13.6	100	100	Pass	Low	Medium	High	Medium
Kershaw	1	0.2	0	37.3	100	100	Pass	Medium	Medium	High	Medium
Lancaster	2	0.7	0	20.1	100	100	Pass	Medium	Medium	High	Medium
Laurens	1	0.1	0	43.7	100	100	Pass	Medium	Medium	High	Medium
Lee	0	0	0	13	100	100	Pass	Low	Low	High	High
Lexington	11	0.6	1	94	100	100	Pass	High	Medium	High	Low
Marion	2	0.5	0	27.4	100	100	Pass	Medium	Medium	High	Medium
Marlboro	0	0	0	8.9	100	100	Pass	Low	Low	High	High
McCormick	0	0	0	1062.3	100	100	Pass	High	Low	High	Low
Newberry	1	0.2	0	39.3	100	100	Pass	Medium	Medium	High	Medium
Oconee	3	0.4	0	16.5	100	100	Pass	Medium	Medium	High	High
Orangeburg	4	0.4	0	54.5	100	100	Pass	Medium	Medium	High	Low
Pickens	5	0.7	1	19.1	99.9	100	Pass	Medium	Medium	Medium	High
Richland	39	2	2	47.8	100	100	Pass	Medium	High	High	Low
Saluda	0	0	0	55.6	100	100	Pass	Medium	Low	High	Low
Spartanburg	23	1.2	0	19.8	100	100	Pass	Medium	High	High	Medium
Sumter	5	0.5	0	87.1	100	100	Pass	High	Medium	High	Low
Union	0	0	0	20.6	100	100	Pass	Medium	Low	High	Medium
Williamsburg	1	0.3	0	20.6	100	100	Pass	Medium	Medium	High	Medium
York	7	0.9	0	52.8	99.9	99.9	Pass	Medium	High	Medium	High
Region											
Lowcountry	85	2	6	33.2	99.9	99.3	Pass	Medium	High	Medium	High
Midlands	54	0.9	4	54.8	99.9	99.9	Pass	High	Medium	Medium	Low
Pee Dee	50	0.9	1	32.6	100	100	Pass	Low	Low	High	Medium
Upstate	91	1.4	1	32.7	99.9	99.9	Pass	Medium	Medium	Medium	High
State	217	1.3	12	38.6	99.9	99.9	Pass				

GENERAL SURGERY

Member / Provider Locations

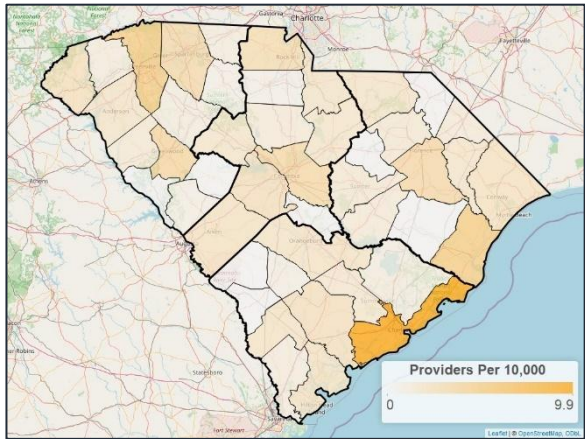


Utilization per 1,000

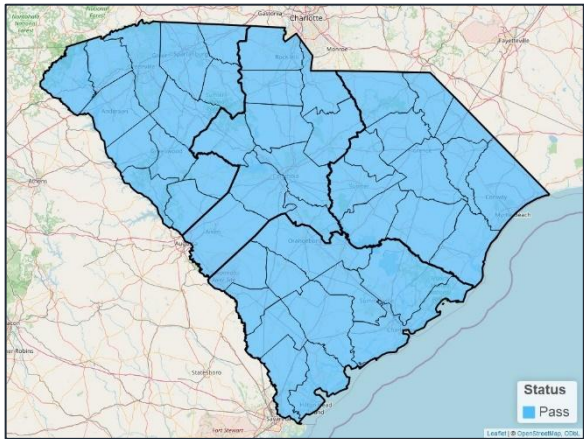


Note: Red pins denote provider locations

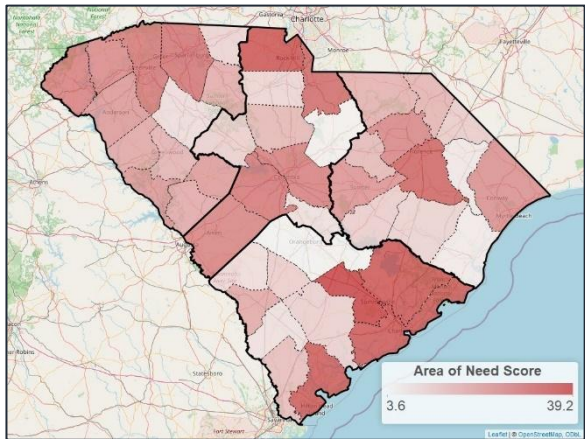
Providers per 10,000



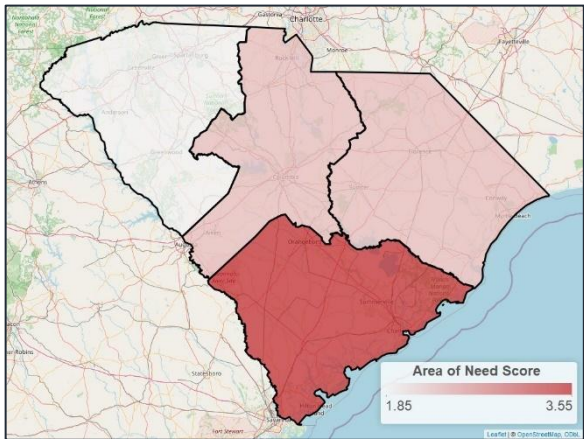
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



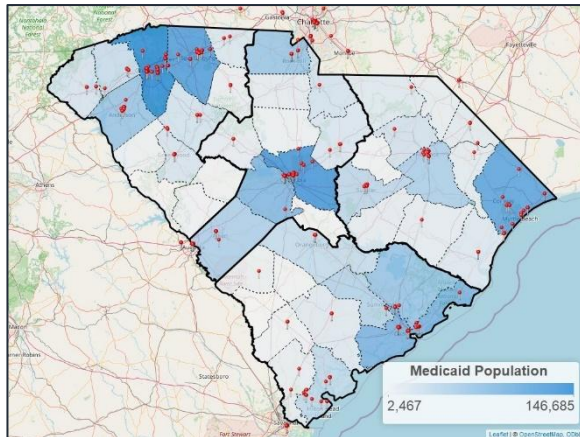
Note: Darker shades indicate greater area of need

FIGURE 14: GENERAL SURGERY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

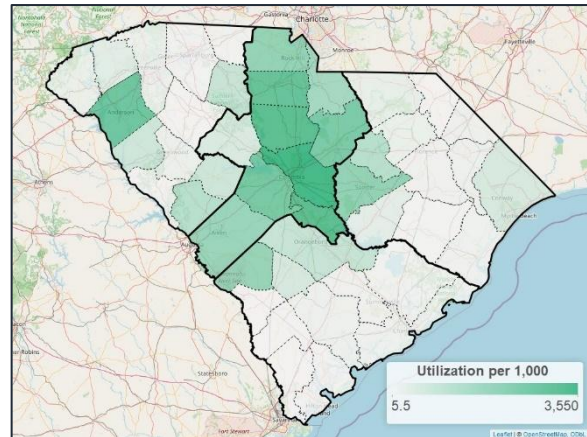
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	1	1.2	0	37.4	100	100	Pass	Low	Medium	High	Medium
Aiken	19	2	0	92.8	97.5	94.8	Pass	High	Medium	Medium	Medium
Allendale	0	0	0	42.8	100	100	Pass	Medium	Low	High	Medium
Anderson	20	1.8	0	76.7	99.9	99.8	Pass	Medium	Medium	Medium	Medium
Bamberg	1	0.6	1	63.4	100	100	Pass	Medium	Low	High	Medium
Barnwell	0	0	0	91.5	100	100	Pass	High	Low	High	Low
Beaufort	12	2	4	37.7	99.8	99.6	Pass	Low	Medium	Medium	High
Berkeley	12	0.8	1	44.3	99.6	98.5	Pass	Medium	Medium	Medium	High
Calhoun	0	0	0	93.1	100	100	Pass	High	Low	High	Low
Charleston	128	9.9	83	38.6	98.9	98.2	Pass	Low	High	Medium	High
Cherokee	3	0.8	2	74.2	100	100	Pass	Medium	Medium	High	Low
Chester	1	0.4	0	76.4	100	100	Pass	Medium	Low	High	Low
Chesterfield	6	1.8	1	39.1	100	100	Pass	Low	Medium	High	Medium
Clarendon	3	1.1	0	58.3	100	100	Pass	Medium	Medium	High	Medium
Colleton	8	2.3	0	52.9	100	100	Pass	Medium	High	High	Low
Darlington	8	1.2	1	57.9	100	99.9	Pass	Medium	Medium	Medium	Medium
Dillon	3	1.1	0	56.8	100	100	Pass	Medium	Medium	High	Medium
Dorchester	13	1.4	0	40.9	99.7	94.2	Pass	Medium	Medium	Medium	High
Edgefield	1	0.6	0	41.3	100	100	Pass	Medium	Low	High	Medium
Fairfield	2	1.1	0	44.1	100	100	Pass	Medium	Medium	High	Medium
Florence	32	3.3	0	46.8	99.9	95.8	Pass	Medium	High	Medium	High
Georgetown	16	4.8	2	68.6	100	100	Pass	Medium	High	High	Low
Greenville	110	4.7	42	43.2	99.9	99.9	Pass	Medium	High	Medium	High
Greenwood	13	3.5	0	34.4	100	100	Pass	Low	High	High	Medium
Hampton	5	1.9	0	67.9	100	100	Pass	Medium	Medium	High	Low
Horry	40	2.1	1	55.5	99.9	99.9	Pass	Medium	High	Medium	Medium
Jasper	2	0.9	0	48.5	100	100	Pass	Medium	Medium	High	Medium
Kershaw	8	1.6	0	110	100	100	Pass	High	Medium	High	Low
Lancaster	8	1.8	0	49	99.9	99.1	Pass	Medium	Medium	Medium	High
Laurens	5	0.8	0	89.4	100	100	Pass	High	Medium	High	Low
Lee	0	0	0	51.5	100	100	Pass	Medium	Low	High	Medium
Lexington	37	2.3	1	54.5	99.9	99.4	Pass	Medium	High	Medium	High
Marion	6	1.6	0	91.2	100	100	Pass	High	Medium	High	Low
Marlboro	0	0	0	48.2	100	100	Pass	Medium	Low	High	Medium
McCormick	0	0	0	33.7	100	100	Pass	Low	Low	High	Medium
Newberry	5	1.7	0	56.5	100	100	Pass	Medium	Medium	High	Medium
Oconee	10	2.4	0	62.7	99.1	98.8	Pass	Medium	High	Medium	High
Orangeburg	13	1.9	0	96.1	100	100	Pass	High	Medium	High	Low
Pickens	9	0.9	2	62.6	99.9	99.9	Pass	Medium	Medium	Medium	Medium
Richland	66	3.2	22	53.1	99.9	99.7	Pass	Medium	High	Medium	High
Saluda	0	0	0	35.9	100	100	Pass	Low	Low	High	Medium
Spartanburg	57	3.1	20	45.6	100	99.7	Pass	Medium	High	Medium	High
Sumter	10	1.3	0	77	100	99.7	Pass	High	Medium	Medium	Medium
Union	1	0.4	0	43	100	100	Pass	Medium	Low	High	Medium
Williamsburg	0	0	0	76	100	100	Pass	Medium	Low	High	Low
York	25	2.8	0	40.2	99.1	97.7	Pass	Low	High	Medium	High
Region											
Lowcountry	170	3.7	89	50.2	99.6	98.3	Pass	Low	High	Medium	High
Midlands	141	2.4	23	60.3	99.5	98.7	Pass	High	Medium	Medium	Medium
Pee Dee	107	2	5	59	99.9	99.3	Pass	Medium	Low	Medium	Medium
Upstate	186	2.8	66	53.8	99.9	99.8	Pass	Medium	Medium	Medium	Low
State	450	2.7	183	55.9	99.8	99.1	Pass				

HEMATOLOGY AND ONCOLOGY

Member / Provider Locations

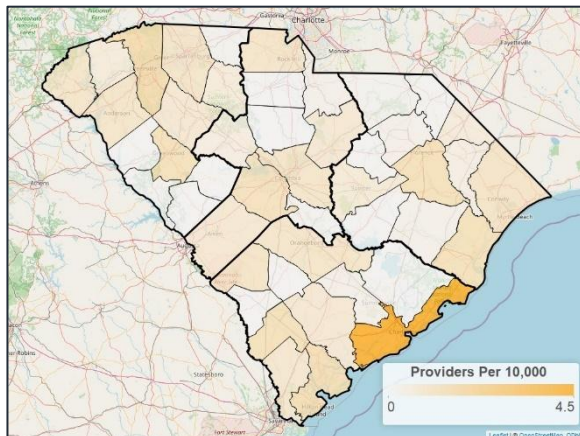


Utilization per 1,000

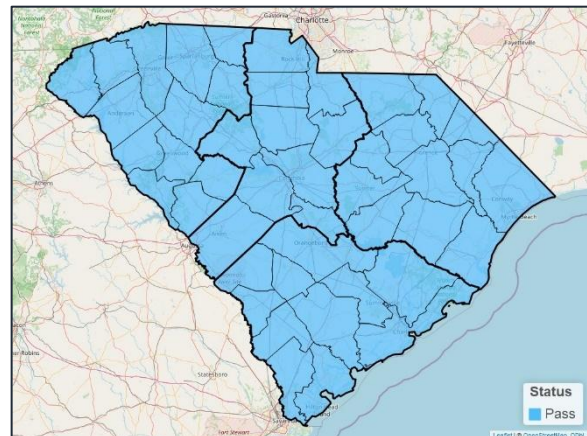


Note: Red pins denote provider locations

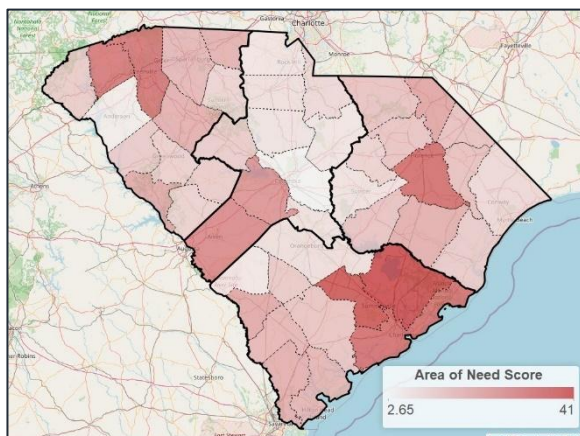
Providers per 10,000



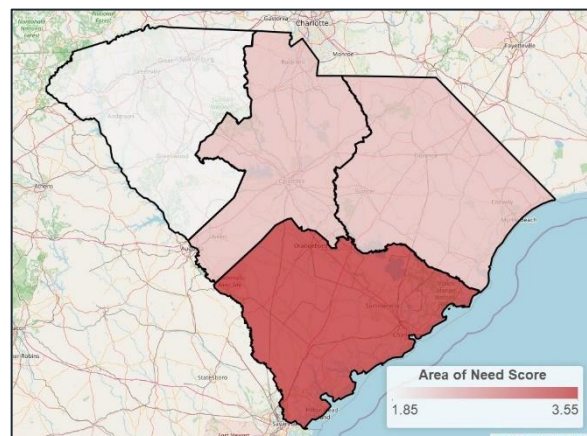
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



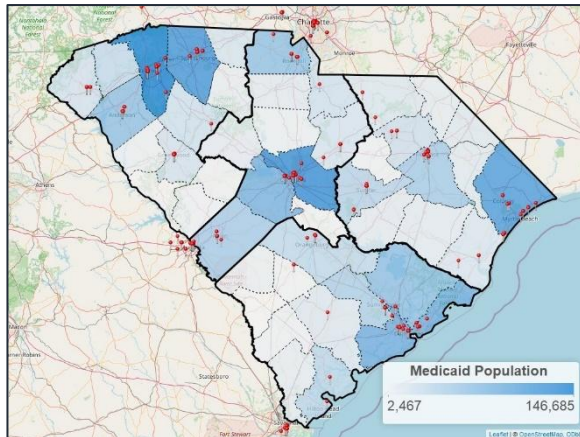
Note: Darker shades indicate greater area of need

FIGURE 15: HEMATOLOGY AND ONCOLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

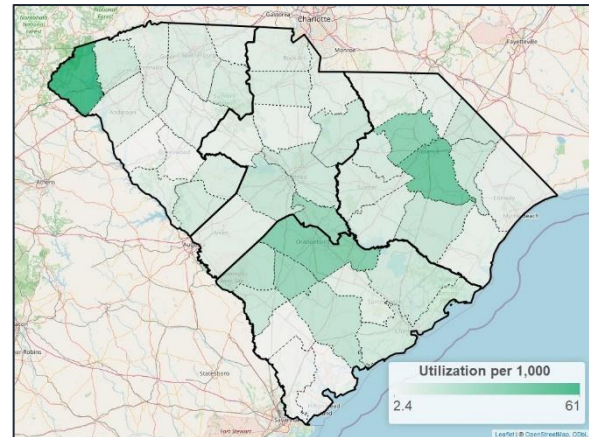
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	0	0	0	756.8	100	100	Pass	Medium	Low	High	Medium
Aiken	5	0.7	0	1862.6	100	99.9	Pass	High	Medium	Medium	High
Allendale	0	0	0	16.4	100	100	Pass	Low	Low	High	High
Anderson	9	0.9	0	2747.8	100	100	Pass	High	Medium	High	Low
Bamberg	0	0	0	592.9	100	100	Pass	Medium	Low	High	Medium
Barnwell	1	1	0	1917.8	100	100	Pass	High	High	High	Low
Beaufort	10	1.4	1	5.5	100	100	Pass	Low	High	High	Medium
Berkeley	1	0	0	58.3	99.6	97.2	Pass	Medium	Medium	Medium	High
Calhoun	0	0	0	3230.2	100	100	Pass	High	Low	High	Low
Charleston	58	4.5	9	106.1	99.7	99.6	Pass	Medium	High	Medium	High
Cherokee	2	0.1	0	64.1	100	100	Pass	Medium	Medium	High	Medium
Chester	0	0	0	2965.7	100	100	Pass	High	Low	High	Low
Chesterfield	1	0.1	0	243	100	100	Pass	Medium	Medium	High	Medium
Clarendon	0	0	0	299.4	100	100	Pass	Medium	Low	High	Medium
Colleton	3	0.7	0	139.3	100	100	Pass	Medium	Medium	High	Medium
Darlington	1	0.2	0	207.8	100	100	Pass	Medium	Medium	High	Medium
Dillon	2	0.5	0	139.4	100	100	Pass	Medium	Medium	High	Medium
Dorchester	2	0.2	0	80.3	100	98.5	Pass	Medium	Medium	Medium	High
Edgefield	0	0	0	1224	100	100	Pass	Medium	Low	High	Medium
Fairfield	0	0	0	3233.9	100	100	Pass	High	Low	High	Low
Florence	14	1.3	0	74.5	100	99.8	Pass	Medium	High	Medium	High
Georgetown	7	1.3	0	111.6	100	100	Pass	Medium	High	High	Medium
Greenville	42	1.5	0	103.6	99.9	100	Pass	Medium	High	Medium	High
Greenwood	8	1.3	0	154.5	100	100	Pass	Medium	High	High	Medium
Hampton	3	1.3	0	10.2	100	100	Pass	Low	High	High	Medium
Horry	17	1	1	577	100	100	Pass	Medium	High	High	Low
Jasper	2	0.8	0	6.1	100	100	Pass	Low	Medium	High	High
Kershaw	4	0.7	0	2486.5	100	100	Pass	High	Medium	High	Low
Lancaster	1	0.2	0	1612.5	100	100	Pass	Medium	Medium	High	Low
Laurens	5	0.7	0	15.2	100	100	Pass	Low	Medium	High	Medium
Lee	0	0	0	1237.8	100	100	Pass	Medium	Low	High	Medium
Lexington	14	1.2	0	2556.6	100	99.5	Pass	High	High	Medium	High
Marion	2	0.3	0	142.6	100	100	Pass	Medium	Medium	High	Medium
Marlboro	0	0	0	13.8	100	100	Pass	Low	Low	High	High
McCormick	0	0	0	22	100	100	Pass	Low	Low	High	High
Newberry	2	0.4	0	530.5	100	100	Pass	Medium	Medium	High	Medium
Oconee	4	0.9	0	165.6	100	100	Pass	Medium	Medium	High	Medium
Orangeburg	7	0.9	0	925.7	100	100	Pass	Medium	High	High	Low
Pickens	5	0.5	0	348.2	99.9	100	Pass	Medium	Medium	Medium	High
Richland	21	0.9	2	3550.4	100	100	Pass	High	High	High	Low
Saluda	0	0	0	780.2	100	100	Pass	Medium	Low	High	Medium
Spartanburg	24	0.9	0	30.3	100	100	Pass	Low	Medium	High	Medium
Sumter	5	0.6	0	2010	100	100	Pass	High	Medium	High	Low
Union	2	0.5	0	875	100	100	Pass	Medium	Medium	High	Medium
Williamsburg	1	0.2	0	29.1	100	100	Pass	Low	Medium	High	Medium
York	9	0.9	1	1972.5	100	100	Pass	High	Medium	High	Low
Region											
Lowcountry	73	1.6	10	229.2	99.8	99.1	Pass	Low	High	Medium	High
Midlands	49	0.8	3	2593.1	100	99.9	Pass	High	Medium	Medium	Medium
Pee Dee	37	0.7	1	520.9	100	99.9	Pass	Medium	Low	Medium	Medium
Upstate	69	0.9	0	515.6	99.9	100	Pass	Medium	Medium	Medium	Low
State	168	1	14	1002.5	99.9	99.8	Pass				

INFECTIOUS DISEASES

Member / Provider Locations

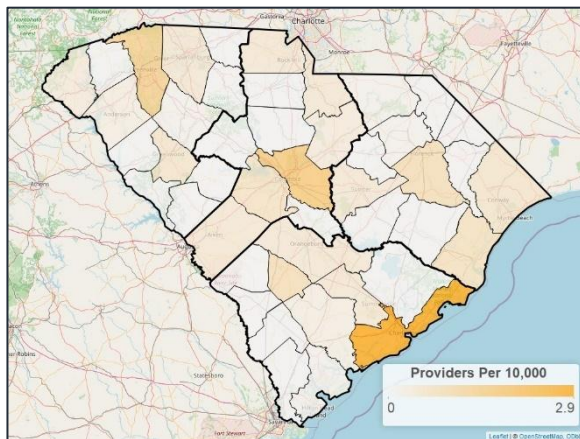


Utilization per 1,000

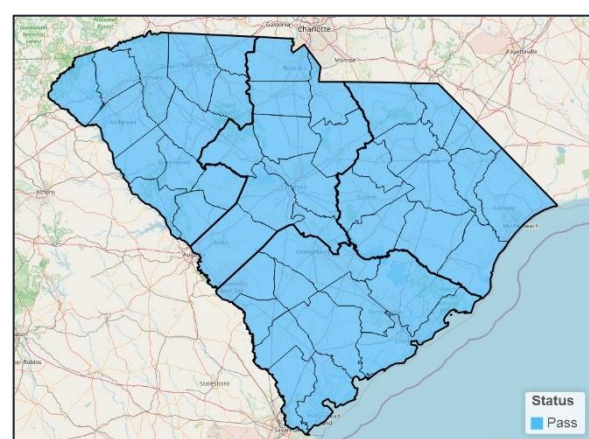


Note: Red pins denote provider locations

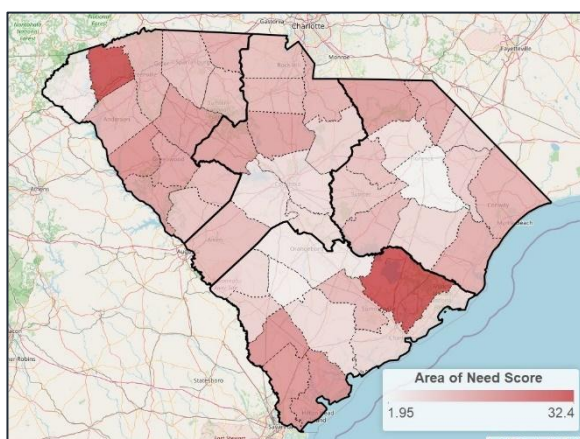
Providers per 10,000



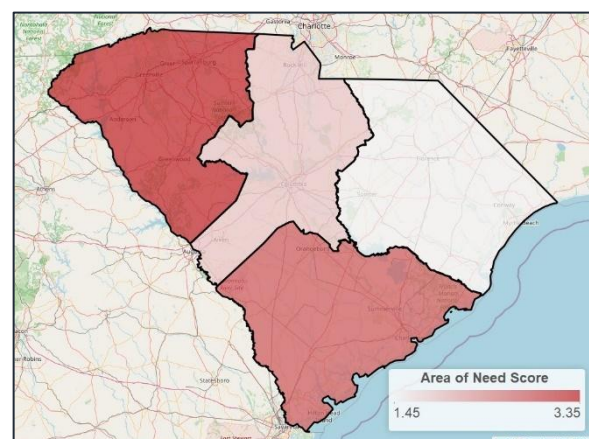
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



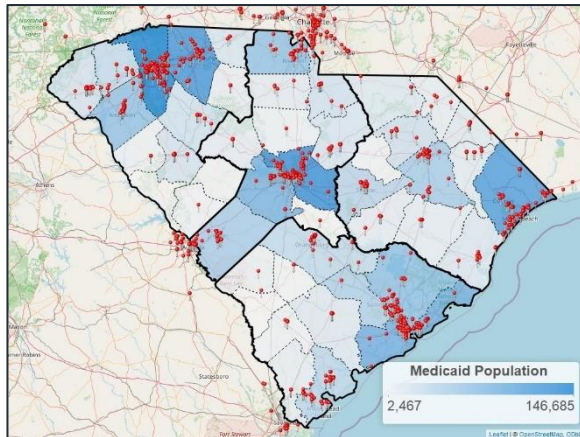
Note: Darker shades indicate greater area of need

FIGURE 16: INFECTIOUS DISEASES ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

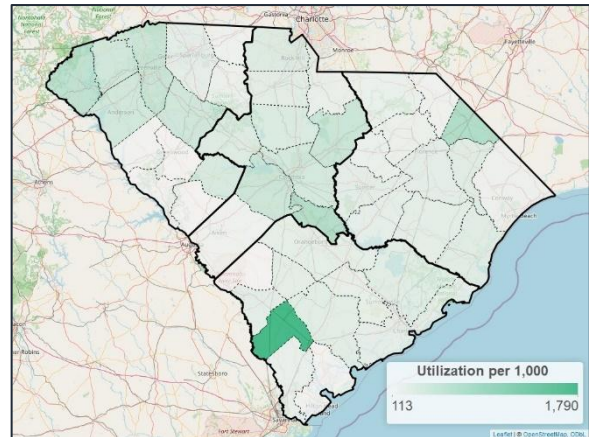
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	0	0	0	3.2	100	100	Pass	Low	Low	High	High
Aiken	4	0.4	0	8.1	100	100	Pass	Medium	High	High	Medium
Allendale	0	0	0	15.8	100	100	Pass	Medium	Low	High	Medium
Anderson	2	0.2	0	7.5	100	100	Pass	Medium	Medium	High	Medium
Bamberg	1	0.8	0	31.9	100	100	Pass	High	High	High	Low
Barnwell	0	0	0	21.6	100	100	Pass	Medium	Low	High	Low
Beaufort	1	0.1	2	2.4	100	100	Pass	Low	Medium	High	High
Berkeley	0	0	0	13.9	100	99.6	Pass	Medium	Low	Medium	High
Calhoun	0	0	0	30.9	100	100	Pass	High	Low	High	Low
Charleston	35	2.9	5	12.9	100	100	Pass	Medium	High	High	Low
Cherokee	0	0	0	7.7	100	100	Pass	Medium	Low	High	Medium
Chester	0	0	0	10.3	100	100	Pass	Medium	Low	High	Medium
Chesterfield	1	0.1	0	6.2	100	100	Pass	Medium	Medium	High	High
Clarendon	0	0	0	10.6	100	100	Pass	Medium	Low	High	Medium
Colleton	1	0.2	0	18.8	100	100	Pass	Medium	Medium	High	Low
Darlington	1	0.1	0	37	100	100	Pass	High	Medium	High	Low
Dillon	0	0	0	16.1	100	100	Pass	Medium	Low	High	Medium
Dorchester	4	0.4	0	8.5	100	100	Pass	Medium	Medium	High	Medium
Edgefield	0	0	0	13	100	100	Pass	Medium	Low	High	Medium
Fairfield	0	0	0	6.4	100	100	Pass	Medium	Low	High	High
Florence	10	0.8	0	47.4	100	100	Pass	High	High	High	Low
Georgetown	3	0.7	0	6.3	100	100	Pass	Medium	High	High	Medium
Greenville	27	1.3	1	6.6	100	100	Pass	Medium	High	High	Medium
Greenwood	3	0.5	0	3.8	100	100	Pass	Low	High	High	High
Hampton	0	0	0	3.3	100	100	Pass	Low	Low	High	High
Horry	7	0.5	1	6.7	100	100	Pass	Medium	High	High	Medium
Jasper	0	0	0	4.1	100	100	Pass	Low	Low	High	High
Kershaw	2	0.3	0	15.1	100	100	Pass	Medium	Medium	High	Medium
Lancaster	1	0.4	0	7.5	100	100	Pass	Medium	Medium	High	Medium
Laurens	1	0.1	0	6.1	100	100	Pass	Medium	Medium	High	High
Lee	0	0	0	12	100	100	Pass	Medium	Low	High	Medium
Lexington	7	0.6	0	16.8	100	100	Pass	Medium	High	High	Low
Marion	0	0	0	15.1	100	100	Pass	Medium	Low	High	Medium
Marlboro	0	0	0	7.2	100	100	Pass	Medium	Low	High	Medium
McCormick	0	0	0	6.5	100	100	Pass	Medium	Low	High	High
Newberry	0	0	0	6.3	100	100	Pass	Medium	Low	High	High
Oconee	2	0.3	0	61	100	100	Pass	High	Medium	High	Low
Orangeburg	2	0.4	0	39.3	100	100	Pass	High	Medium	High	Low
Pickens	0	0	0	13.8	100	99.9	Pass	Medium	Low	Medium	High
Richland	27	1.6	3	15	100	100	Pass	Medium	High	High	Low
Saluda	0	0	0	11	100	100	Pass	Medium	Low	High	Medium
Spartanburg	8	0.4	0	9.2	100	100	Pass	Medium	Medium	High	Medium
Sumter	4	0.4	0	11.7	100	100	Pass	Medium	High	High	Medium
Union	0	0	0	11.2	100	100	Pass	Medium	Low	High	Medium
Williamsburg	0	0	0	17	100	100	Pass	Medium	Low	High	Low
York	3	0.4	0	9	100	100	Pass	Medium	High	High	Medium
Region											
Lowcountry	39	0.9	7	14.7	100	99.9	Pass	Medium	High	Medium	Medium
Midlands	41	0.8	3	12.7	100	100	Pass	Medium	Medium	High	Medium
Pee Dee	22	0.4	1	17.6	100	100	Pass	High	Low	High	Low
Upstate	36	0.5	1	10.6	99.9	100	Pass	Low	Medium	Medium	High
State	107	0.6	12	13.5	99.9	99.9	Pass				

INTERNAL MEDICINE

Member / Provider Locations

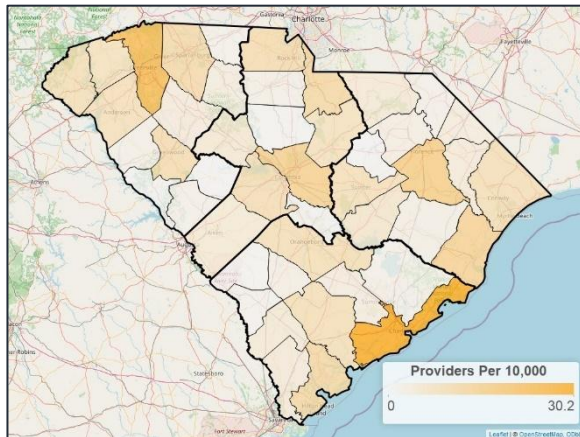


Utilization per 1,000

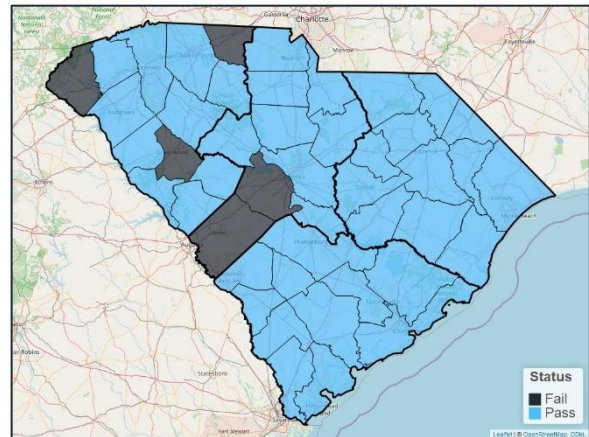


Note: Red pins denote provider locations

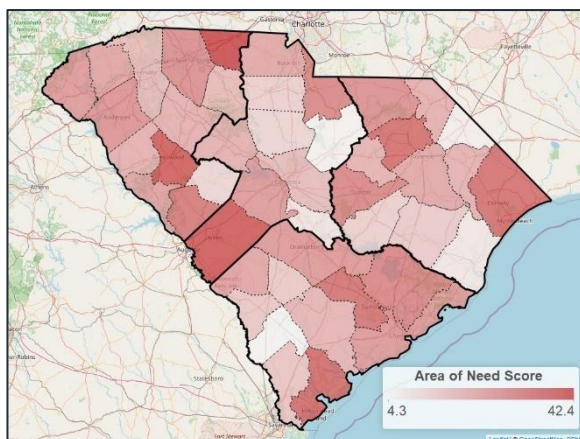
Providers per 10,000



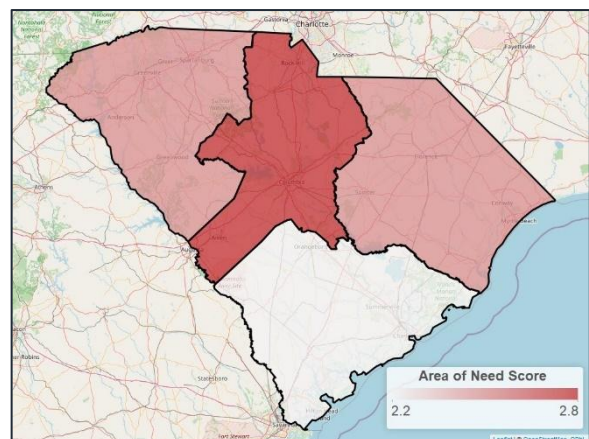
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



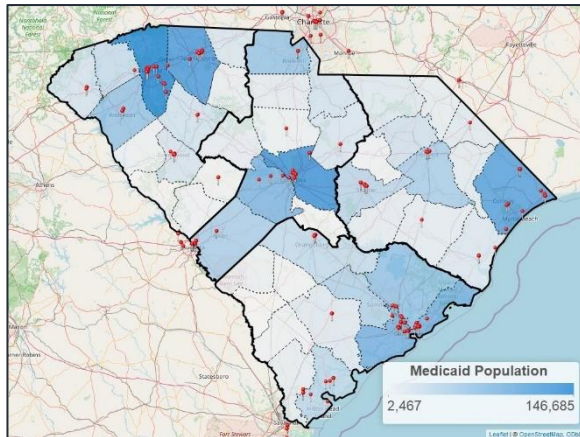
Note: Darker shades indicate greater area of need

FIGURE 17: INTERNAL MEDICINE ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

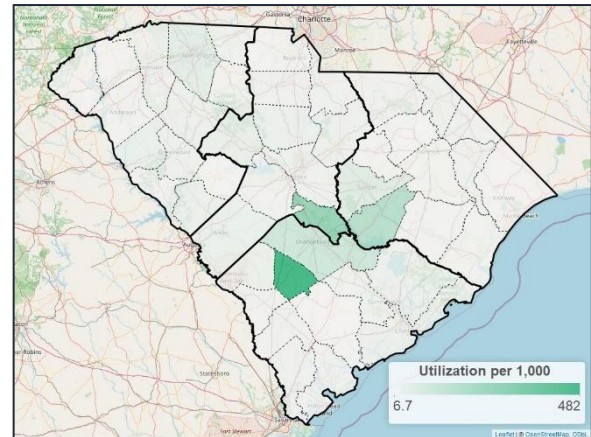
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	2	1.5	0	131.1	100	100	Pass	Low	Medium	High	Medium
Aiken	33	4.1	8	164	81.2	81.4	Fail	Medium	Medium	Low	High
Allendale	1	0.7	0	264.8	100	100	Pass	Medium	Low	High	Low
Anderson	88	8	0	428.7	90.2	90.8	Pass	Medium	Medium	Medium	Medium
Bamberg	4	1.9	0	259.3	100	100	Pass	Medium	Medium	High	Low
Barnwell	1	0.3	0	121.6	100	100	Pass	Low	Low	High	Medium
Beaufort	72	11.3	3	122.4	94.1	94	Pass	Low	High	Medium	High
Berkeley	22	1.3	3	283.5	95.5	94.8	Pass	Medium	Low	Medium	High
Calhoun	1	0.6	0	713.9	100	100	Pass	High	Low	High	Low
Charleston	408	30.2	148	235.9	96.4	97.6	Pass	Medium	High	Medium	Medium
Cherokee	4	1.1	1	152	83.5	84.2	Fail	Low	Low	Low	High
Chester	5	1.5	0	281.5	100	100	Pass	Medium	Low	High	Low
Chesterfield	15	3.7	0	207.5	100	99.9	Pass	Medium	Medium	Medium	High
Clarendon	20	5.4	0	251	100	100	Pass	Medium	Medium	High	Low
Colleton	25	8.5	1	289.6	100	99.9	Pass	Medium	Medium	Medium	Medium
Darlington	12	2	2	195.6	95.4	94.7	Pass	Medium	Medium	Medium	High
Dillon	10	2.8	1	761	100	100	Pass	High	Medium	High	Low
Dorchester	27	2.6	0	225.8	94.2	94.9	Pass	Medium	Medium	Medium	High
Edgefield	1	1.3	0	113.8	99.9	100	Pass	Low	Low	Medium	High
Fairfield	1	0.4	1	353.6	100	100	Pass	Medium	Low	High	Low
Florence	151	15.5	0	266.5	99.8	98.9	Pass	Medium	High	Medium	Medium
Georgetown	53	13.4	5	299	100	100	Pass	Medium	High	High	Low
Greenville	474	22.7	61	481.8	99	98.9	Pass	High	High	Medium	Medium
Greenwood	44	9.4	0	118.2	88.4	88.9	Fail	Low	High	Low	High
Hampton	5	4	0	1789.9	100	100	Pass	High	Medium	High	Low
Horry	160	8.6	15	176	95.1	93.2	Pass	Medium	High	Medium	High
Jasper	12	3.6	0	214.3	100	100	Pass	Medium	Medium	High	Medium
Kershaw	32	7.6	0	515.4	100	100	Pass	High	Medium	High	Low
Lancaster	48	11.3	0	211.8	96.1	94.5	Pass	Medium	High	Medium	High
Laurens	20	3.1	0	441.9	99.9	99.5	Pass	Medium	Medium	Medium	Medium
Lee	0	0	0	206.8	100	100	Pass	Medium	Low	High	Medium
Lexington	123	8.8	5	486.4	89.5	91.2	Fail	High	High	Medium	Medium
Marion	14	3.3	1	309.6	100	99.9	Pass	Medium	Medium	Medium	Medium
Marlboro	4	1.2	0	154	100	100	Pass	Low	Low	High	Medium
McCormick	0	0	0	113.4	100	100	Pass	Low	Low	High	Medium
Newberry	10	4.5	0	331.1	99.9	99.9	Pass	Medium	Medium	Medium	Medium
Oconee	44	8.5	0	610.6	88	89.5	Fail	High	Medium	Low	Medium
Orangeburg	56	8.4	0	243.3	99.9	99.3	Pass	Medium	Medium	Medium	Medium
Pickens	45	7.5	0	441.2	96.2	96.8	Pass	Medium	Medium	Medium	Medium
Richland	278	14.1	82	410.7	99.9	99.7	Pass	Medium	High	Medium	Medium
Saluda	0	0	0	383.9	100	100	Pass	Medium	Low	High	Low
Spartanburg	200	9.9	10	237.1	96.5	96.6	Pass	Medium	High	Medium	Medium
Sumter	67	7.8	1	264.8	95.7	92.7	Pass	Medium	Medium	Medium	High
Union	5	2.4	0	185.8	100	100	Pass	Medium	Medium	High	Medium
Williamsburg	9	1.8	1	260	100	100	Pass	Medium	Medium	High	Low
York	81	9.5	2	331.6	96.2	96.9	Pass	Medium	High	Medium	Medium
Region											
Lowcountry	549	11.7	155	267	96.6	96.8	Pass	Medium	High	Medium	Low
Midlands	533	9.4	98	371.3	94.6	95	Pass	High	Medium	Medium	High
Pee Dee	418	7.7	25	249	97.5	96.3	Pass	Low	Low	Medium	Medium
Upstate	735	11.5	72	362.3	95.3	95.6	Pass	Medium	Medium	Medium	Medium
State	1704	10.2	350	319.7	95.9	95.8	Pass				

NEPHROLOGY

Member / Provider Locations

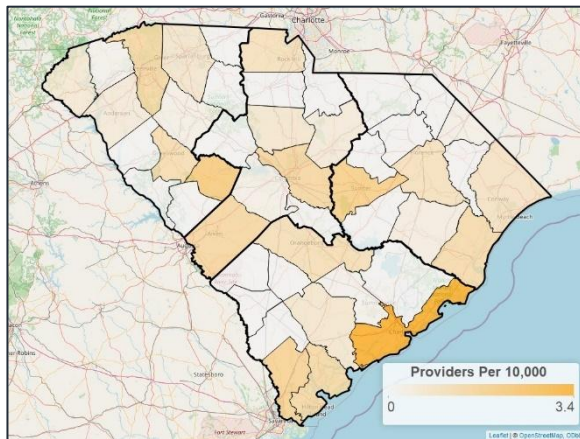


Utilization per 1,000

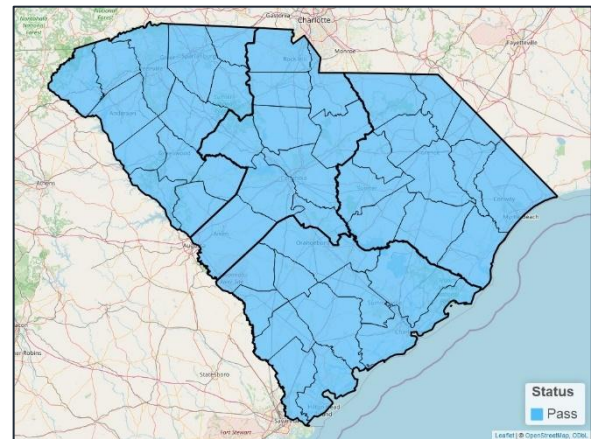


Note: Red pins denote provider locations

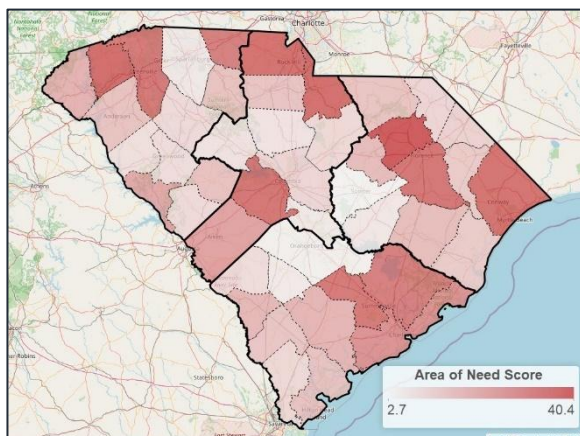
Providers per 10,000



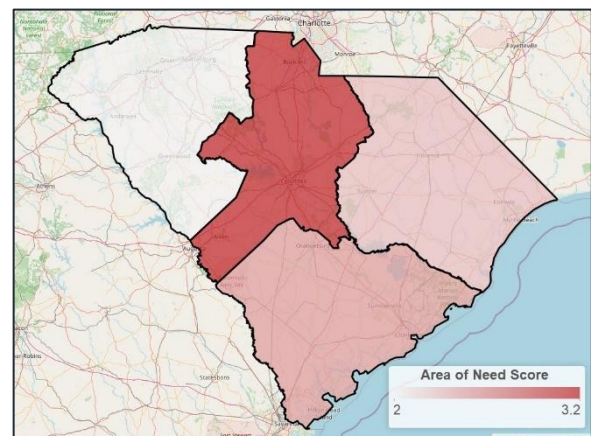
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



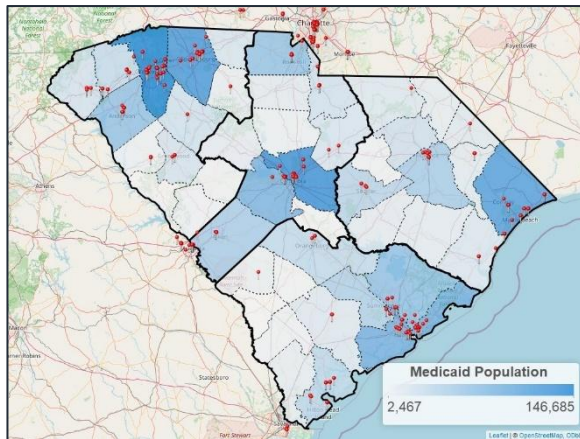
Note: Darker shades indicate greater area of need

FIGURE 18: NEPHROLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

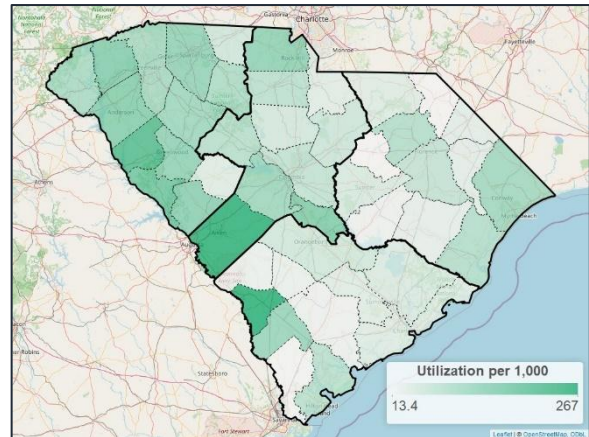
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	0	0	0	32.5	100	100	Pass	Medium	Low	High	Low
Aiken	8	1.4	0	32.8	99.9	99.9	Pass	Medium	High	Medium	Medium
Allendale	0	0	0	13.4	100	100	Pass	Medium	Low	High	Medium
Anderson	3	0.4	0	14.3	100	100	Pass	Medium	Medium	High	Medium
Bamberg	0	0	0	482.4	100	100	Pass	High	Low	High	Low
Barnwell	0	0	0	30	100	100	Pass	Medium	Low	High	Low
Beaufort	8	1.3	0	11.7	100	100	Pass	Medium	High	High	Medium
Berkeley	0	0	0	25.3	99.5	95.8	Pass	Medium	Low	Medium	High
Calhoun	0	0	0	255.9	100	100	Pass	High	Low	High	Low
Charleston	41	3.4	14	22.4	99.7	99.6	Pass	Medium	High	Medium	High
Cherokee	0	0	0	21	100	99.3	Pass	Medium	Low	Medium	High
Chester	0	0	0	16.8	100	100	Pass	Medium	Low	High	Medium
Chesterfield	0	0	0	16.6	100	100	Pass	Medium	Low	High	Medium
Clarendon	0	0	0	165.9	100	100	Pass	High	Low	High	Low
Colleton	2	0.6	0	9.5	100	100	Pass	Medium	Medium	High	Medium
Darlington	0	0	0	9.7	99.8	98	Pass	Medium	Low	Medium	High
Dillon	1	0.2	0	20.4	100	100	Pass	Medium	Medium	High	Medium
Dorchester	1	0.1	0	18.8	100	98.5	Pass	Medium	Medium	Medium	High
Edgefield	0	0	0	26.5	100	100	Pass	Medium	Low	High	Low
Fairfield	1	0.6	0	26.7	100	100	Pass	Medium	Medium	High	Low
Florence	7	0.9	1	15.1	99.9	99.2	Pass	Medium	Medium	Medium	High
Georgetown	4	1.2	0	15.1	100	100	Pass	Medium	High	High	Medium
Greenville	26	1.3	0	11.6	99.9	99.9	Pass	Medium	High	Medium	High
Greenwood	5	1.1	0	23.6	100	100	Pass	Medium	High	High	Low
Hampton	0	0	0	16.9	100	100	Pass	Medium	Low	High	Medium
Horry	10	0.8	0	6.8	99.9	100	Pass	Low	Medium	Medium	High
Jasper	3	1.6	0	17.7	100	100	Pass	Medium	High	High	Medium
Kershaw	2	0.4	0	24.3	100	100	Pass	Medium	Medium	High	Medium
Lancaster	0	0	0	17.6	99.9	91.1	Pass	Medium	Low	Medium	High
Laurens	1	0.2	0	25.1	100	100	Pass	Medium	Medium	High	Medium
Lee	0	0	0	14	100	100	Pass	Medium	Low	High	Medium
Lexington	4	0.2	0	13.7	100	99.9	Pass	Medium	Medium	Medium	High
Marion	0	0	0	18	100	100	Pass	Medium	Low	High	Medium
Marlboro	0	0	0	24.8	100	100	Pass	Medium	Low	High	Medium
McCormick	0	0	0	6.7	100	100	Pass	Low	Low	High	Medium
Newberry	0	0	0	34.9	100	100	Pass	Medium	Low	High	Low
Oconee	2	0.5	0	6.9	100	100	Pass	Low	Medium	High	Medium
Orangeburg	5	1	0	104	100	100	Pass	High	High	High	Low
Pickens	1	0.1	0	8.3	99.9	99.9	Pass	Low	Medium	Medium	High
Richland	26	1.4	1	17.7	100	100	Pass	Medium	High	High	Medium
Saluda	3	2	0	9.8	100	100	Pass	Medium	High	High	Medium
Spartanburg	10	0.6	0	44.8	100	100	Pass	Medium	Medium	High	Low
Sumter	10	1.8	0	61.4	100	100	Pass	High	High	High	Low
Union	0	0	0	15.5	100	100	Pass	Medium	Low	High	Medium
Williamsburg	1	0.3	0	13.4	100	100	Pass	Medium	Medium	High	Medium
York	7	0.9	0	11.3	99.9	99.8	Pass	Medium	High	Medium	High
Region											
Lowcountry	53	1.3	14	37.8	99.8	98.8	Pass	High	High	Medium	Medium
Midlands	42	0.8	1	21.8	99.9	99.4	Pass	Low	Medium	Medium	High
Pee Dee	31	0.7	1	24.1	99.9	99.7	Pass	Medium	Low	Medium	Medium
Upstate	42	0.7	0	21.9	99.9	99.9	Pass	Medium	Medium	Medium	Low
State	142	0.8	16	25.7	99.9	99.5	Pass				

NEUROLOGY

Member / Provider Locations

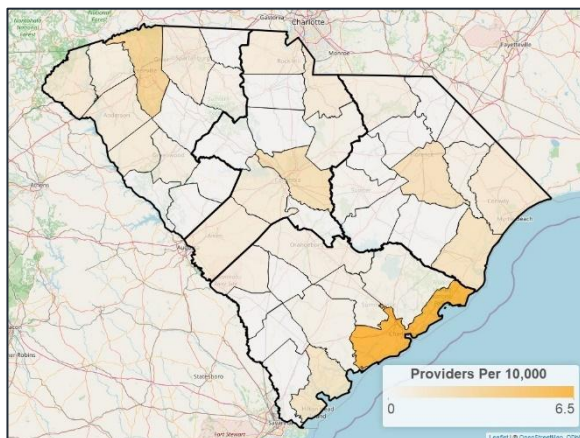


Utilization per 1,000

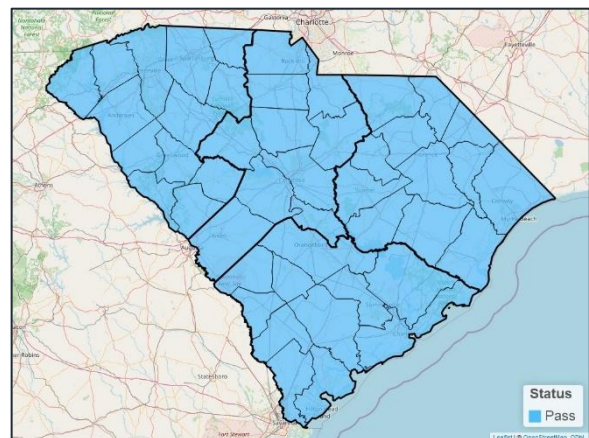


Note: Red pins denote provider locations

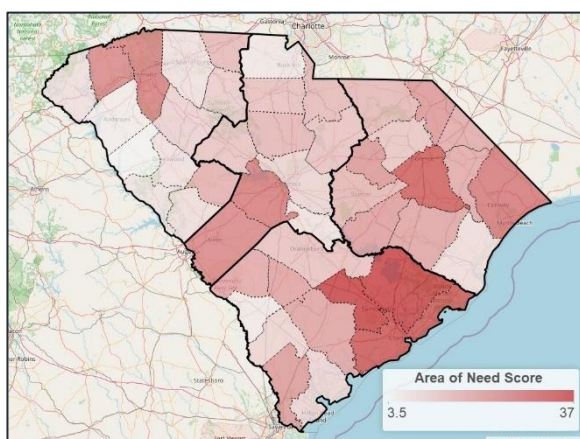
Providers per 10,000



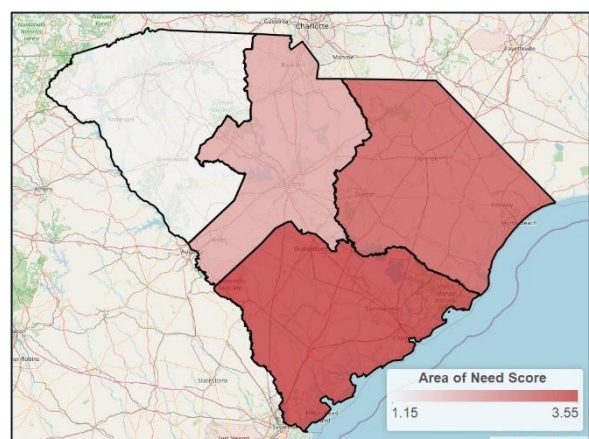
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



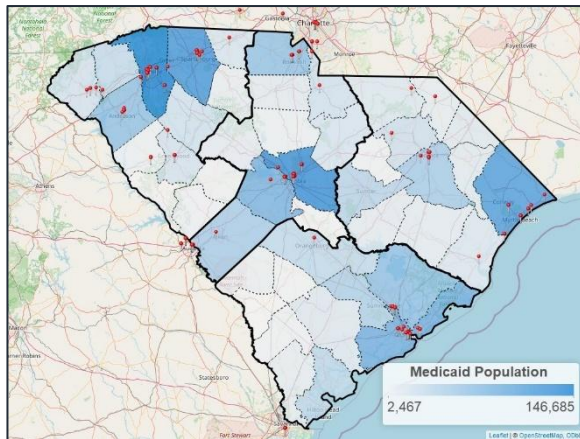
Note: Darker shades indicate greater area of need

FIGURE 19: NEUROLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

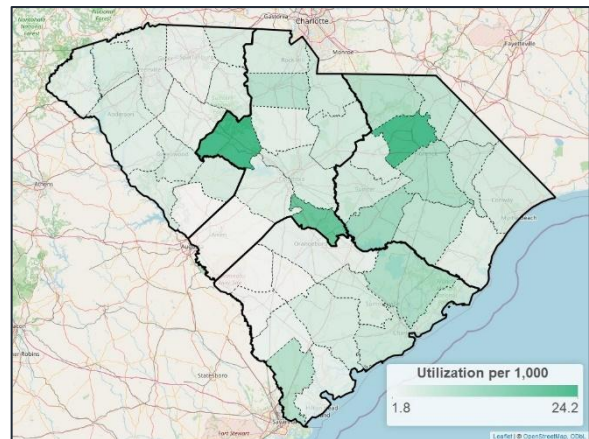
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	2	0.8	0	224.4	100	100	Pass	High	Medium	High	Low
Aiken	5	0.8	0	265.6	99.9	98.7	Pass	High	High	Medium	High
Allendale	0	0	0	267	100	100	Pass	High	Low	High	Low
Anderson	7	0.8	0	157.8	100	100	Pass	High	High	High	Low
Bamberg	0	0	0	26.8	100	100	Pass	Low	Low	High	Medium
Barnwell	1	0.5	0	23.4	100	100	Pass	Low	Medium	High	Medium
Beaufort	10	1.5	0	87.8	100	100	Pass	Medium	High	High	Low
Berkeley	6	0.4	0	45.2	99.7	97.8	Pass	Medium	Medium	Medium	High
Calhoun	0	0	0	162.6	100	100	Pass	High	Low	High	Low
Charleston	74	6.5	35	42	99.8	99.6	Pass	Medium	High	Medium	High
Cherokee	0	0	0	60.2	100	100	Pass	Medium	Low	High	Medium
Chester	0	0	1	86.3	100	100	Pass	Medium	Low	High	Medium
Chesterfield	1	0.5	0	42.1	100	100	Pass	Medium	Medium	High	Medium
Clarendon	0	0	0	22.7	100	100	Pass	Low	Low	High	Medium
Colleton	2	0.4	0	21.9	100	100	Pass	Low	Medium	High	Medium
Darlington	0	0	0	95.7	100	100	Pass	Medium	Low	High	Medium
Dillon	1	0.2	0	36.2	100	100	Pass	Medium	Medium	High	Medium
Dorchester	4	0.4	0	40.6	100	99.9	Pass	Medium	Medium	Medium	High
Edgefield	0	0	0	149.3	100	100	Pass	Medium	Low	High	Low
Fairfield	0	0	0	56	100	100	Pass	Medium	Low	High	Medium
Florence	17	1.9	0	75.7	99.9	96.5	Pass	Medium	High	Medium	High
Georgetown	7	1.7	0	95.9	100	100	Pass	Medium	High	High	Low
Greenville	56	3.1	14	109.5	99.9	100	Pass	Medium	High	Medium	High
Greenwood	3	0.5	0	141.1	100	100	Pass	Medium	Medium	High	Low
Hampton	0	0	0	131.9	100	100	Pass	Medium	Low	High	Medium
Horry	17	1	1	122.7	100	99.9	Pass	Medium	High	Medium	High
Jasper	0	0	0	15.8	100	100	Pass	Low	Low	High	High
Kershaw	2	0.4	0	63.1	100	100	Pass	Medium	Medium	High	Medium
Lancaster	4	0.9	0	38.5	100	100	Pass	Medium	High	High	Medium
Laurens	1	0.1	0	123.9	100	100	Pass	Medium	Medium	High	Medium
Lee	0	0	0	13.8	100	100	Pass	Low	Low	High	High
Lexington	11	0.8	1	125.8	100	99.9	Pass	Medium	High	Medium	High
Marion	2	0.4	0	36.1	100	100	Pass	Medium	Medium	High	Medium
Marlboro	0	0	0	13.4	100	100	Pass	Low	Low	High	High
McCormick	0	0	0	183.4	100	100	Pass	High	Low	High	Low
Newberry	0	0	0	93.2	100	100	Pass	Medium	Low	High	Medium
Oconee	6	1	0	112.5	100	100	Pass	Medium	High	High	Low
Orangeburg	4	0.5	0	59.3	100	100	Pass	Medium	Medium	High	Medium
Pickens	3	0.6	0	159	99.9	100	Pass	High	Medium	Medium	High
Richland	36	2	25	78.1	100	100	Pass	Medium	High	High	Medium
Saluda	0	0	0	42.6	100	100	Pass	Medium	Low	High	Medium
Spartanburg	14	0.7	0	138.6	100	100	Pass	Medium	Medium	High	Low
Sumter	2	0.2	0	49.4	100	100	Pass	Medium	Medium	High	Medium
Union	1	0.3	0	107.1	100	100	Pass	Medium	Medium	High	Medium
Williamsburg	0	0	0	31.9	100	100	Pass	Medium	Low	High	Medium
York	7	0.7	0	143.4	100	100	Pass	Medium	Medium	High	Low
Region											
Lowcountry	89	2.1	35	51.4	99.9	99.4	Pass	Low	High	Medium	High
Midlands	60	1.1	27	119.6	99.9	99.8	Pass	Medium	Medium	Medium	Medium
Pee Dee	41	0.8	1	77.2	99.9	99.5	Pass	Medium	Low	Medium	Medium
Upstate	79	1.3	14	128.7	99.9	100	Pass	High	Medium	Medium	Low
State	216	1.3	77	98.8	99.9	99.7	Pass				

NEUROSURGERY

Member / Provider Locations

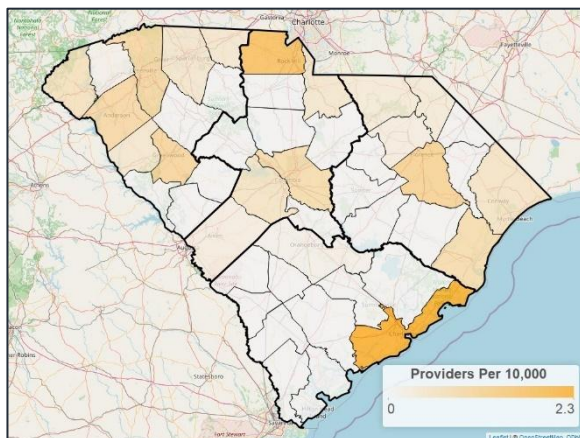


Utilization per 1,000

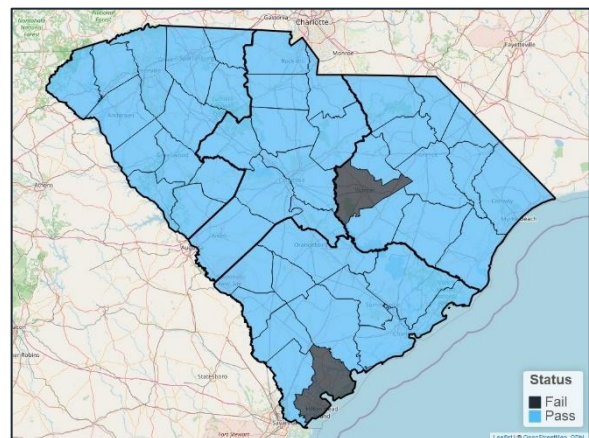


Note: Red pins denote provider locations

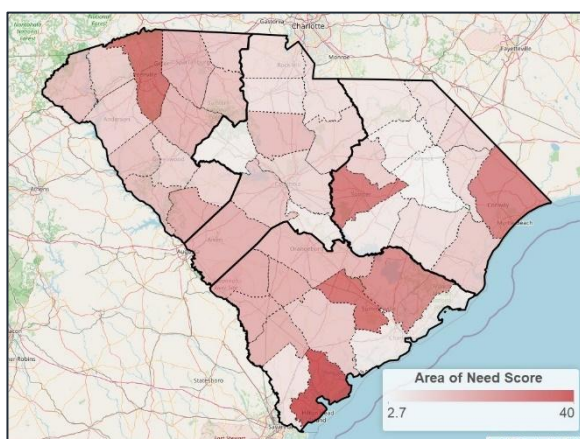
Providers per 10,000



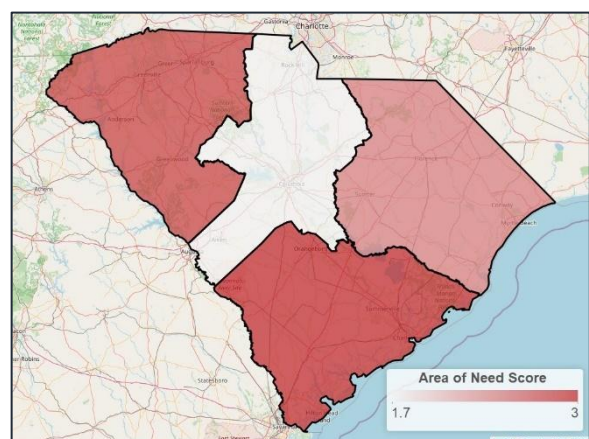
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional

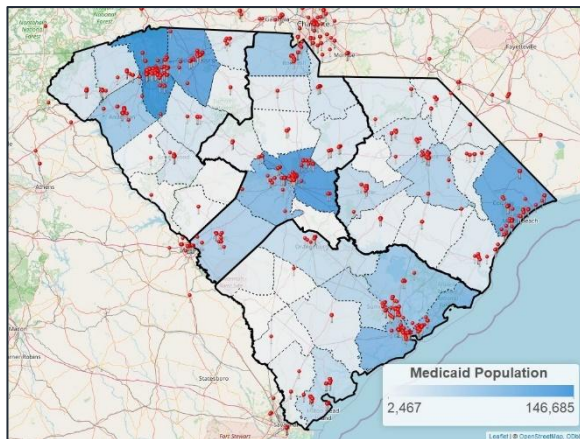


Note: Darker shades indicate greater area of need

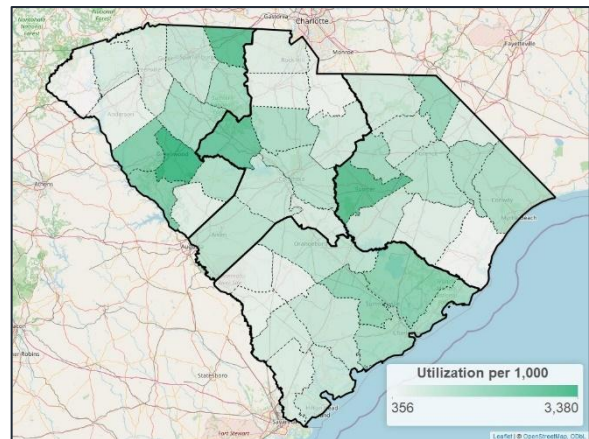
FIGURE 20: NEUROSURGERY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	1	0.4	0	3.9	100	100	Pass	Medium	Medium	High	Medium
Aiken	1	0.2	0	2.2	100	100	Pass	Low	Medium	High	High
Allendale	0	0	0	2.4	100	100	Pass	Low	Low	High	High
Anderson	9	0.9	0	5	100	100	Pass	Medium	High	High	Medium
Bamberg	0	0	0	2.3	100	100	Pass	Low	Low	High	High
Barnwell	0	0	0	2.1	100	100	Pass	Low	Low	High	High
Beaufort	0	0	0	3.2	41	33.1	Fail	Medium	Low	Low	High
Berkeley	0	0	0	10.6	100	99.1	Pass	High	Low	Medium	High
Calhoun	0	0	0	20.2	100	100	Pass	High	Low	High	Low
Charleston	30	2.3	16	6.8	100	100	Pass	Medium	High	High	Low
Cherokee	1	0.4	0	4.9	100	100	Pass	Medium	High	High	Medium
Chester	0	0	0	9.3	100	100	Pass	Medium	Low	High	Low
Chesterfield	1	0.3	0	9.9	100	100	Pass	High	Medium	High	Low
Clarendon	0	0	0	12.6	100	100	Pass	High	Low	High	Low
Colleton	0	0	0	5.2	100	100	Pass	Medium	Low	High	Medium
Darlington	1	0.2	0	24.1	100	100	Pass	High	Medium	High	Low
Dillon	0	0	0	6.1	100	100	Pass	Medium	Low	High	Medium
Dorchester	0	0	0	5.2	100	99.3	Pass	Medium	Low	Medium	High
Edgefield	0	0	0	1.8	100	100	Pass	Low	Low	High	High
Fairfield	0	0	0	4	100	100	Pass	Medium	Low	High	Medium
Florence	9	1.1	0	10.9	100	100	Pass	High	High	High	Low
Georgetown	2	0.8	0	4.4	100	100	Pass	Medium	High	High	Medium
Greenville	17	0.9	0	3.8	99.9	100	Pass	Medium	High	Medium	High
Greenwood	3	1	0	5	100	100	Pass	Medium	High	High	Medium
Hampton	0	0	0	3	100	100	Pass	Medium	Low	High	High
Horry	8	0.5	0	5.5	100	99.9	Pass	Medium	High	Medium	High
Jasper	0	0	0	9.6	100	100	Pass	Medium	Low	High	Low
Kershaw	0	0	0	6.1	100	100	Pass	Medium	Low	High	Medium
Lancaster	1	0.4	0	6.3	100	100	Pass	Medium	Medium	High	Low
Laurens	0	0	0	3.3	100	100	Pass	Medium	Low	High	Medium
Lee	0	0	0	5.4	100	100	Pass	Medium	Low	High	Medium
Lexington	9	0.5	0	4.2	100	100	Pass	Medium	High	High	Medium
Marion	0	0	0	7.2	100	100	Pass	Medium	Low	High	Medium
Marlboro	1	0.3	0	8.3	100	100	Pass	Medium	Medium	High	Low
McCormick	0	0	0	4	100	100	Pass	Medium	Low	High	Medium
Newberry	0	0	0	24.2	100	100	Pass	High	Low	High	Low
Oconee	3	0.6	0	3.6	100	100	Pass	Medium	High	High	Medium
Orangeburg	1	0.1	0	3.4	100	100	Pass	Medium	Medium	High	Medium
Pickens	1	0.1	0	5.2	100	100	Pass	Medium	Medium	High	Medium
Richland	18	0.8	1	5.3	100	100	Pass	Medium	High	High	Medium
Saluda	0	0	0	5.5	100	100	Pass	Medium	Low	High	Medium
Spartanburg	7	0.4	0	3.1	100	100	Pass	Medium	Medium	High	Medium
Sumter	0	0	0	6.3	99.9	67.7	Fail	Medium	Low	Low	High
Union	0	0	0	4.4	100	100	Pass	Medium	Low	High	Medium
Williamsburg	0	0	0	8.9	100	100	Pass	Medium	Low	High	Low
York	13	1.7	0	5.4	100	100	Pass	Medium	High	High	Medium
Region											
Lowcountry	30	0.6	16	6.2	93.3	92	Pass	Medium	Medium	Medium	High
Midlands	39	0.7	1	5.7	100	100	Pass	Medium	High	High	Low
Pee Dee	22	0.4	0	8.7	99.9	96	Pass	High	Low	Medium	Medium
Upstate	36	0.6	0	4	99.9	100	Pass	Low	Medium	Medium	Medium
State	94	0.6	17	5.9	98.6	97.5	Pass				

Member / Provider Locations

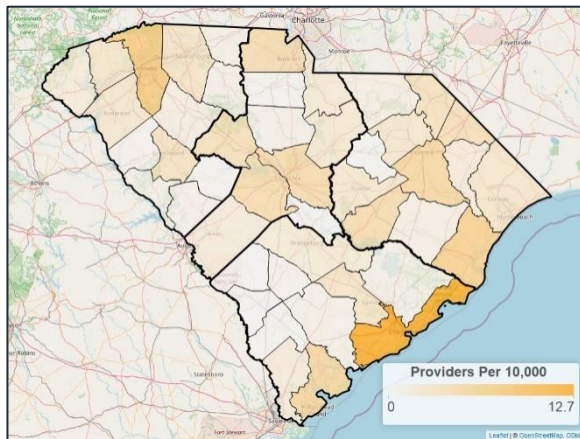


Utilization per 1,000

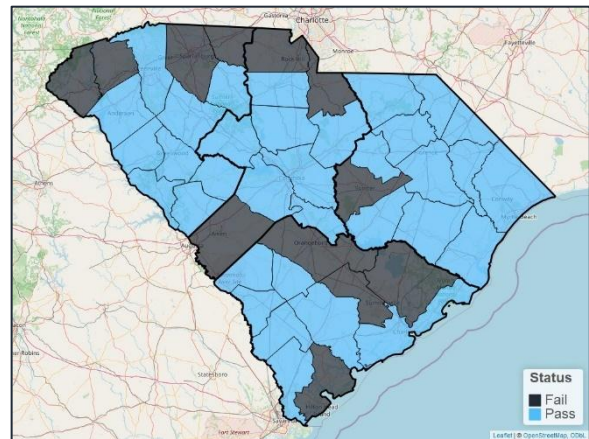


Note: Red pins denote provider locations

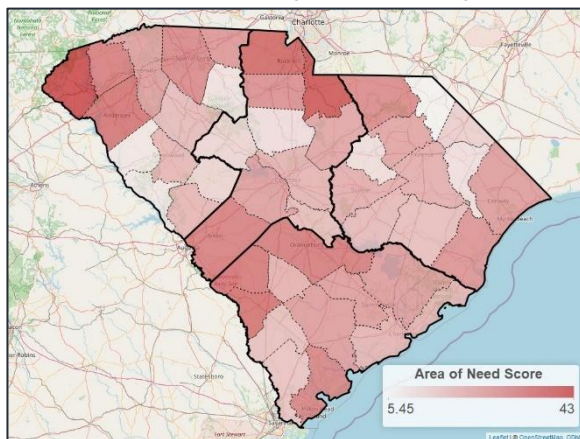
Providers per 10,000



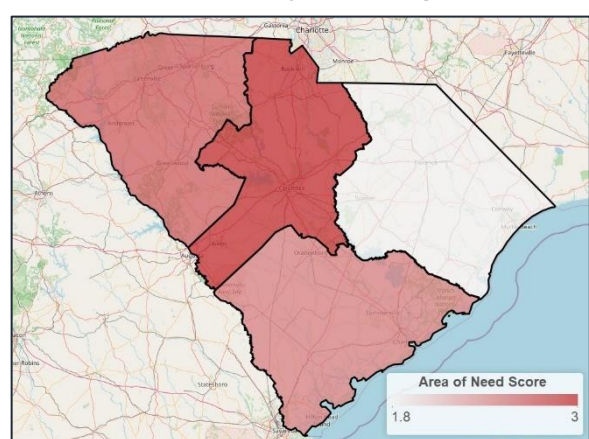
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



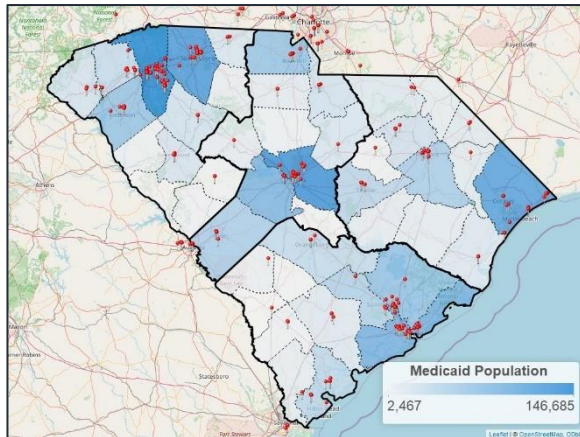
Note: Darker shades indicate greater area of need

FIGURE 21: OB/GYN ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

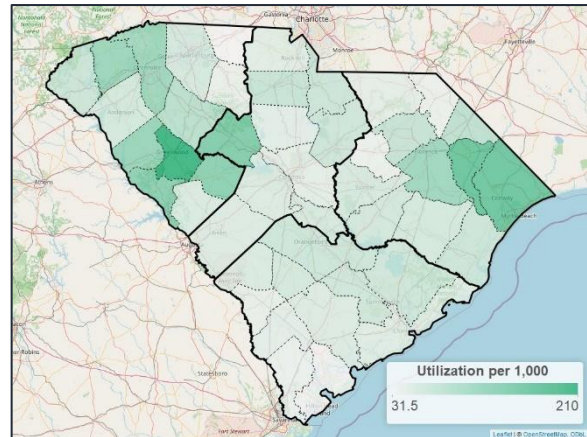
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	2	0.4	0	2305.6	100	100	Pass	High	Low	High	Low
Aiken	16	1.5	0	1320	84.2	83.2	Fail	Medium	Medium	Low	High
Allendale	0	0	0	563.9	98.4	96.6	Pass	Low	Low	Medium	High
Anderson	37	2.2	0	558.8	92.4	94.2	Pass	Low	Medium	Medium	High
Bamberg	1	0.4	0	570.7	100	100	Pass	Low	Low	High	Medium
Barnwell	0	0	0	629.1	99.1	97	Pass	Low	Low	Medium	High
Beaufort	39	5.1	0	1012.5	85.2	88.4	Fail	Medium	High	Low	High
Berkeley	17	0.8	0	2127.2	89.4	89.7	Fail	High	Medium	Low	Medium
Calhoun	0	0	0	835.2	100	100	Pass	Medium	Low	High	Medium
Charleston	210	12.7	0	1628.1	94.2	94.2	Pass	Medium	High	Medium	Medium
Cherokee	6	0.8	0	2985.4	88.3	84.9	Fail	High	Medium	Low	Medium
Chester	2	0.2	0	610.6	99.9	100	Pass	Low	Low	Medium	Medium
Chesterfield	7	0.9	0	952.2	99.9	90.5	Pass	Medium	Medium	Medium	High
Clarendon	13	4.2	0	1112.4	100	99.6	Pass	Medium	High	Medium	Medium
Colleton	3	0.7	0	1106.5	99.3	99.3	Pass	Medium	Low	Medium	Medium
Darlington	16	2.2	0	1114.6	99.5	98.5	Pass	Medium	Medium	Medium	Medium
Dillon	8	3.7	0	780.3	100	100	Pass	Medium	High	High	Low
Dorchester	35	2.6	0	2024	86.7	86.9	Fail	High	Medium	Low	Medium
Edgefield	2	0.5	0	693.3	100	100	Pass	Medium	Low	High	Medium
Fairfield	3	0.8	0	1567.6	100	100	Pass	Medium	Medium	High	Low
Florence	67	5.1	0	1353.2	97.5	95.5	Pass	Medium	High	Medium	Medium
Georgetown	26	6.3	0	450	99.9	98.4	Pass	Low	High	Medium	Medium
Greenville	176	7	0	757.8	99	99.3	Pass	Medium	High	Medium	Medium
Greenwood	16	3	0	3379.7	90.7	92.1	Pass	High	Medium	Medium	Medium
Hampton	1	0.1	0	902	100	100	Pass	Medium	Low	High	Low
Horry	61	2.4	0	1502.7	93.2	92.5	Pass	Medium	Medium	Medium	Medium
Jasper	5	1.5	0	778	100	100	Pass	Medium	Medium	High	Low
Kershaw	11	1.9	0	952.4	99.9	99.5	Pass	Medium	Medium	Medium	Medium
Lancaster	11	1.8	0	509.3	77.9	78.8	Fail	Low	Medium	Low	High
Laurens	9	1.1	0	1662.9	99.9	99.5	Pass	Medium	Medium	Medium	Medium
Lee	0	0	0	1726.9	100	100	Pass	Medium	Low	High	Low
Lexington	72	4.1	0	1135.1	94.1	93.4	Pass	Medium	High	Medium	Medium
Marion	6	1.4	0	1542.5	100	100	Pass	Medium	Medium	High	Low
Marlboro	9	3.3	0	1863.5	100	100	Pass	Medium	High	High	Low
McCormick	1	0.6	0	2248.8	100	100	Pass	High	Low	High	Low
Newberry	11	3.6	0	2728	99.9	99.7	Pass	High	High	Medium	Low
Oconee	8	1.4	0	356.2	74.9	75.5	Fail	Low	Medium	Low	High
Orangeburg	18	1.7	0	1262	88.5	78.5	Fail	Medium	Medium	Low	High
Pickens	22	2.5	0	794	88.4	90	Fail	Medium	Medium	Low	High
Richland	110	4.2	0	1361	98.5	98.7	Pass	Medium	High	Medium	Medium
Saluda	0	0	0	1528.2	100	100	Pass	Medium	Low	High	Low
Spartanburg	75	2.6	0	1128	88.8	89.2	Fail	Medium	Medium	Low	High
Sumter	24	2.1	0	3026.4	91.9	89.2	Fail	High	Medium	Medium	Medium
Union	3	0.8	0	1689.8	100	100	Pass	Medium	Medium	High	Low
Williamsburg	4	0.9	0	744.4	100	100	Pass	Medium	Medium	High	Medium
York	34	4	0	734.6	74.2	78.1	Fail	Medium	High	Low	High
Region											
Lowcountry	258	4.8	0	1540.4	91.3	90.6	Pass	High	High	Medium	Medium
Midlands	212	3.3	0	1156.1	90.9	91.3	Pass	Medium	Medium	Medium	High
Pee Dee	198	3	0	1485.9	96.4	94.9	Pass	Medium	Low	Medium	Low
Upstate	260	3.4	0	1147.7	93	93.4	Pass	Low	Medium	Medium	Medium
State	597	3.6	0	1306.8	92.8	92.6	Pass				

OPHTHALMOLOGY

Member / Provider Locations

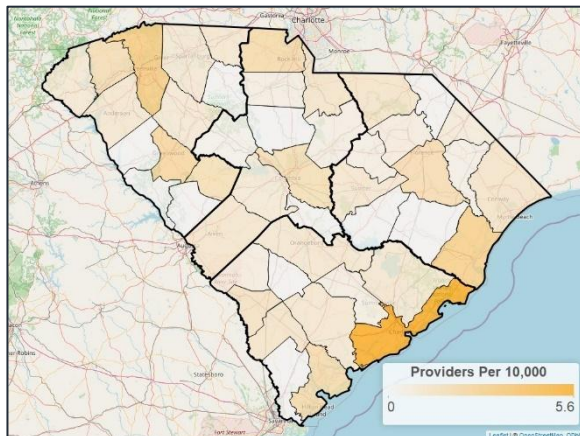


Utilization per 1,000

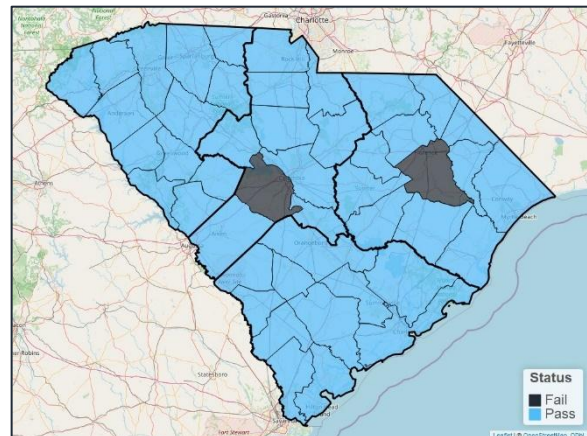


Note: Red pins denote provider locations

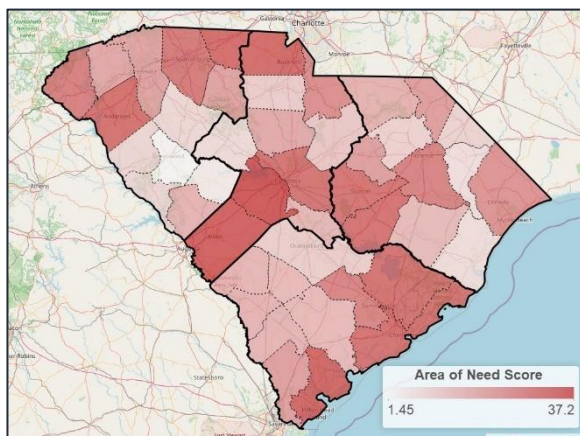
Providers per 10,000



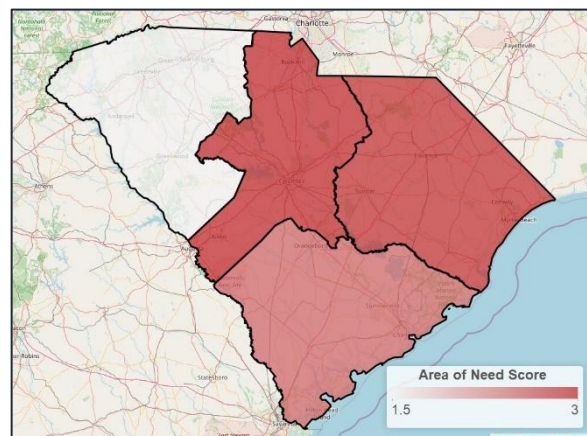
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



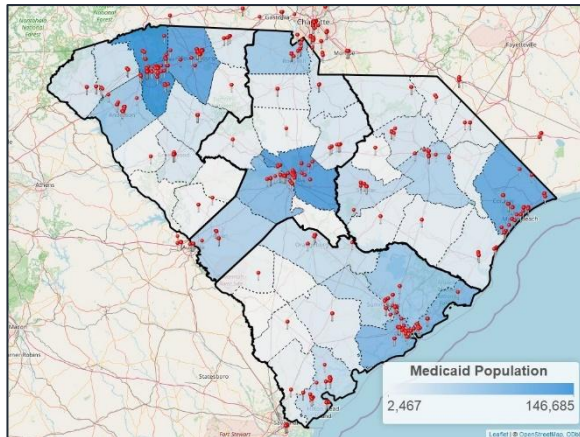
Note: Darker shades indicate greater area of need

FIGURE 22: OPHTHALMOLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

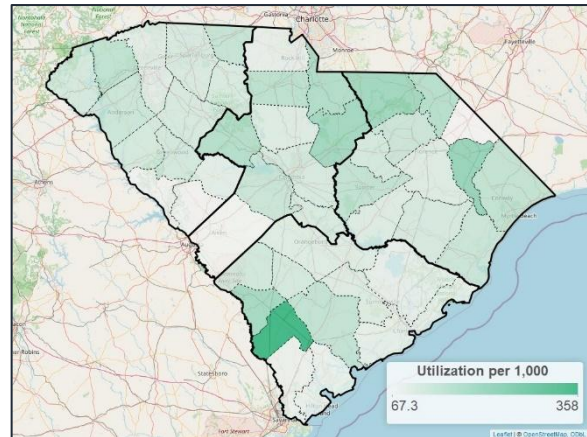
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	0	0	1	120.9	100	100	Pass	High	Low	High	Low
Aiken	7	1	0	54.5	96.8	93.6	Pass	Medium	Medium	Medium	High
Allendale	1	1.3	0	43.1	100	100	Pass	Low	High	High	Medium
Anderson	11	0.9	2	63.8	97	98.6	Pass	Medium	Medium	Medium	High
Bamberg	0	0	0	63.1	100	100	Pass	Medium	Low	High	Medium
Barnwell	1	0.5	0	56.1	100	100	Pass	Medium	Medium	High	Medium
Beaufort	10	1.9	2	35	99.7	99.4	Pass	Low	High	Medium	High
Berkeley	10	0.9	0	66.9	97	97.1	Pass	Medium	Medium	Medium	High
Calhoun	0	0	0	60.4	100	100	Pass	Medium	Low	High	Medium
Charleston	67	5.6	10	51.5	99.1	97.9	Pass	Medium	High	Medium	High
Cherokee	3	0.9	0	31.5	100	99.9	Pass	Low	Medium	Medium	High
Chester	1	0.4	0	74.9	100	100	Pass	Medium	Medium	High	Low
Chesterfield	2	1.1	0	46.4	100	100	Pass	Medium	Medium	High	Medium
Clarendon	0	0	0	64.7	100	98.1	Pass	Medium	Low	Medium	High
Colleton	4	0.9	0	54	100	100	Pass	Medium	Medium	High	Medium
Darlington	4	0.5	0	75.8	100	100	Pass	Medium	Medium	High	Low
Dillon	2	0.6	0	84.6	100	100	Pass	Medium	Medium	High	Low
Dorchester	4	0.4	0	66.5	99.9	99.9	Pass	Medium	Medium	Medium	Medium
Edgefield	0	0	0	57	100	100	Pass	Medium	Low	High	Medium
Fairfield	0	0	0	48.5	100	100	Pass	Medium	Low	High	Medium
Florence	20	1.8	0	114.6	88	82	Fail	High	High	Low	Medium
Georgetown	9	2.8	1	70.3	100	100	Pass	Medium	High	High	Low
Greenville	62	3	0	110.5	99.9	99.9	Pass	High	High	Medium	Medium
Greenwood	6	2.2	0	209.6	100	100	Pass	High	High	High	Low
Hampton	2	1.1	0	47.4	100	100	Pass	Medium	Medium	High	Medium
Horry	19	1.1	0	162.5	99.4	97.5	Pass	High	Medium	Medium	Medium
Jasper	0	0	0	41	100	100	Pass	Low	Low	High	Medium
Kershaw	1	0.4	0	69.2	100	100	Pass	Medium	Medium	High	Medium
Lancaster	4	1.1	0	70.3	99.9	99.4	Pass	Medium	High	Medium	Medium
Laurens	5	0.8	0	89.1	100	100	Pass	Medium	Medium	High	Low
Lee	1	0.4	0	40.1	100	100	Pass	Low	Medium	High	Medium
Lexington	11	0.7	2	55.3	96.4	88	Fail	Medium	Medium	Medium	High
Marion	1	0.3	0	168.2	100	100	Pass	High	Medium	High	Low
Marlboro	0	0	0	40.4	100	100	Pass	Low	Low	High	Medium
McCormick	0	0	0	133	100	100	Pass	High	Low	High	Low
Newberry	1	0.2	0	144.8	100	100	Pass	High	Low	High	Low
Oconee	5	0.8	0	70.8	98.9	98.2	Pass	Medium	Medium	Medium	Medium
Orangeburg	4	0.9	0	69.7	100	100	Pass	Medium	Medium	High	Low
Pickens	15	1.7	0	117.5	99.9	99.9	Pass	High	High	Medium	Medium
Richland	30	1.6	4	47.2	99.9	99.6	Pass	Medium	High	Medium	High
Saluda	3	1.6	0	135.1	100	100	Pass	High	High	High	Low
Spartanburg	19	0.8	1	60.3	100	99.7	Pass	Medium	Medium	Medium	High
Sumter	8	0.9	0	60.1	99.9	99.1	Pass	Medium	Medium	Medium	High
Union	0	0	0	41.8	100	100	Pass	Low	Low	High	Medium
Williamsburg	0	0	0	63.6	100	100	Pass	Medium	Low	High	Medium
York	14	1.9	0	50	99.2	97.7	Pass	Medium	High	Medium	High
Region											
Lowcountry	90	2.2	12	56.8	99.1	98.7	Pass	Low	High	Medium	Medium
Midlands	60	1.2	6	56.9	98.7	96.3	Pass	Medium	Medium	Medium	High
Pee Dee	47	1.1	1	106.6	97.9	96.2	Pass	High	Low	Medium	Medium
Upstate	89	1.5	4	89.1	99.5	99.6	Pass	Medium	Medium	Medium	Low
State	243	1.5	23	77.8	98.9	97.8	Pass				

ORTHOPEDIC SURGERY

Member / Provider Locations

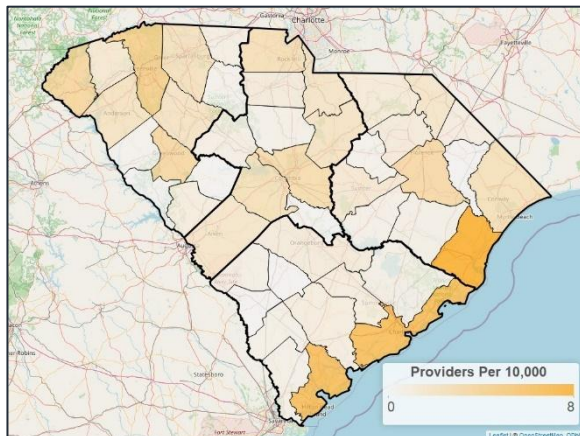


Utilization per 1,000

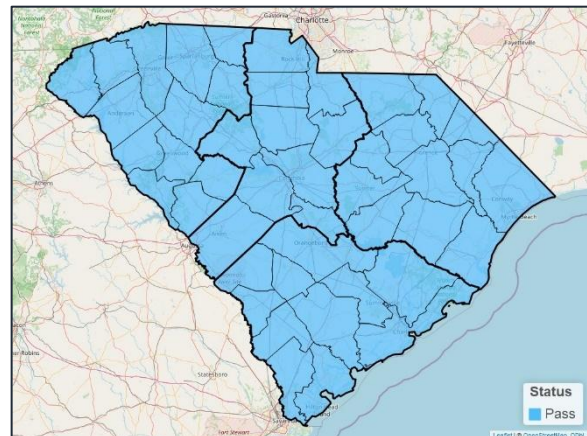


Note: Red pins denote provider locations

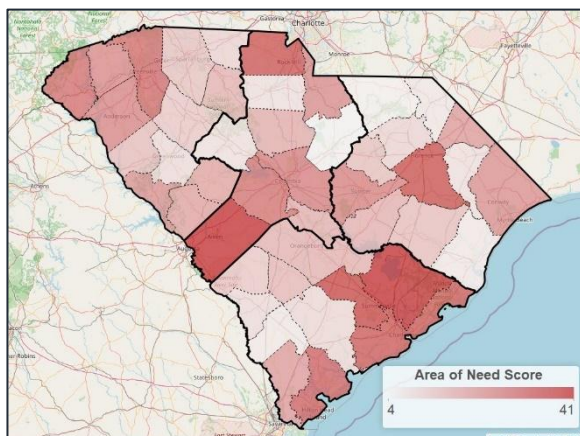
Providers per 10,000



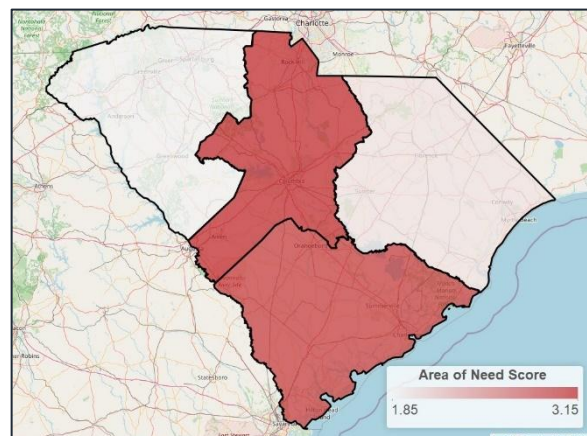
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



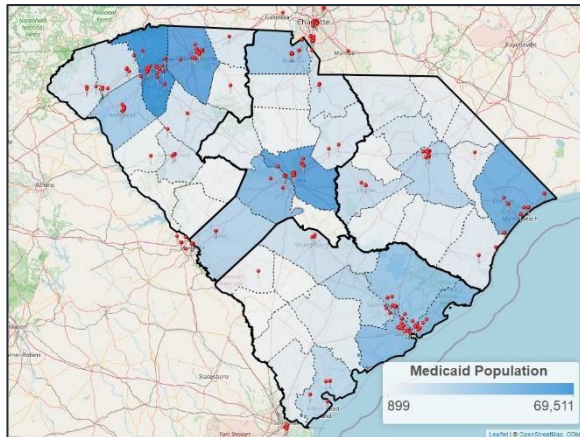
Note: Darker shades indicate greater area of need

FIGURE 23: ORTHOPEDIC SURGERY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

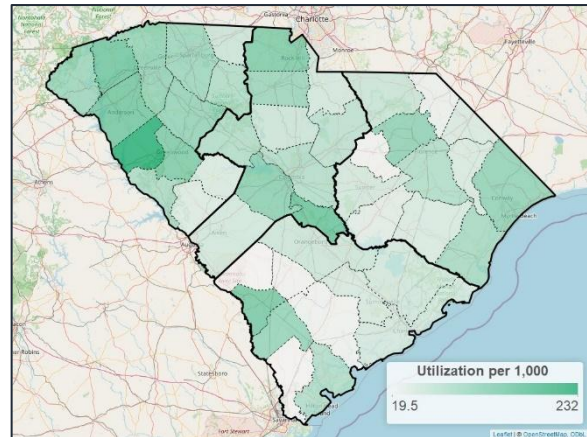
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	1	0.2	0	119.9	100	100	Pass	Medium	Low	High	Medium
Aiken	14	1.6	0	72.8	94.1	91.6	Pass	Low	Medium	Medium	High
Allendale	0	0	0	194.5	100	100	Pass	High	Low	High	Low
Anderson	27	2	1	134.3	100	99.9	Pass	Medium	Medium	Medium	Medium
Bamberg	0	0	0	118.2	100	100	Pass	Medium	Low	High	Medium
Barnwell	1	0.5	0	123.8	100	100	Pass	Medium	Medium	High	Medium
Beaufort	30	6.3	3	83	99.9	99.9	Pass	Low	High	Medium	High
Berkeley	9	0.5	1	88	98.9	93.8	Pass	Medium	Medium	Medium	High
Calhoun	0	0	0	111.1	100	100	Pass	Medium	Low	High	Medium
Charleston	104	6.4	23	90.6	98.8	98.2	Pass	Medium	High	Medium	High
Cherokee	4	0.6	0	141	100	100	Pass	Medium	Medium	High	Medium
Chester	3	0.9	0	157.8	100	100	Pass	Medium	Medium	High	Low
Chesterfield	4	1	1	203.7	100	100	Pass	High	Medium	High	Low
Clarendon	2	0.4	0	105.3	100	100	Pass	Medium	Low	High	Medium
Colleton	4	0.8	0	146.9	100	100	Pass	Medium	Medium	High	Low
Darlington	6	0.9	1	135.4	100	100	Pass	Medium	Medium	High	Low
Dillon	2	0.7	0	67.3	100	100	Pass	Low	Medium	High	Medium
Dorchester	10	0.8	0	104.7	99.8	93.7	Pass	Medium	Medium	Medium	High
Edgefield	3	0.8	0	73.6	100	100	Pass	Low	Medium	High	Medium
Fairfield	1	0.4	0	105	100	100	Pass	Medium	Low	High	Medium
Florence	29	3.1	0	104.5	95.8	92.2	Pass	Medium	High	Medium	High
Georgetown	36	8	0	135.5	100	100	Pass	Medium	High	High	Low
Greenville	94	4.1	23	94.1	99.9	99.9	Pass	Medium	High	Medium	High
Greenwood	14	3.3	0	121.5	100	100	Pass	Medium	High	High	Low
Hampton	1	0.4	0	358	100	100	Pass	High	Medium	High	Low
Horry	47	2.3	0	149.1	100	99.8	Pass	Medium	High	Medium	Medium
Jasper	2	0.4	0	82.2	100	100	Pass	Low	Low	High	Medium
Kershaw	10	1.9	0	198.8	100	100	Pass	High	Medium	High	Low
Lancaster	5	1.8	0	176.2	99.9	98.5	Pass	High	Medium	Medium	Medium
Laurens	9	1.9	0	114.2	100	100	Pass	Medium	Medium	High	Medium
Lee	1	0.3	0	121.4	100	100	Pass	Medium	Low	High	Medium
Lexington	38	2.3	0	134.7	98.2	96.5	Pass	Medium	High	Medium	High
Marion	0	0	0	219.2	100	100	Pass	High	Low	High	Low
Marlboro	2	1.6	0	167.7	100	100	Pass	Medium	Medium	High	Low
McCormick	0	0	0	71.9	100	100	Pass	Low	Low	High	Medium
Newberry	2	0.6	0	169.8	100	100	Pass	Medium	Medium	High	Low
Oconee	17	3.4	0	119.1	98.8	98	Pass	Medium	High	Medium	High
Orangeburg	10	0.9	0	102.1	100	100	Pass	Medium	Medium	High	Medium
Pickens	9	1.3	0	151.5	99.9	99.9	Pass	Medium	Medium	Medium	Medium
Richland	63	2.8	19	113.8	99.9	99.9	Pass	Medium	High	Medium	High
Saluda	0	0	0	94.7	100	100	Pass	Medium	Low	High	Medium
Spartanburg	43	2.1	0	110.4	100	100	Pass	Medium	High	High	Medium
Sumter	10	1.2	0	148.7	100	99.7	Pass	Medium	Medium	Medium	High
Union	1	0.2	0	112.4	100	100	Pass	Medium	Low	High	Medium
Williamsburg	2	0.5	0	116.9	100	100	Pass	Medium	Medium	High	Medium
York	18	2.4	0	89.1	99.1	98.6	Pass	Medium	High	Medium	High
Region											
Lowcountry	139	2.8	27	103.8	99.4	97.3	Pass	Low	High	Medium	Medium
Midlands	127	2.1	19	120.2	98.7	97.9	Pass	Medium	Medium	Medium	High
Pee Dee	106	2.1	2	139.5	99.4	98.7	Pass	High	Low	Medium	Medium
Upstate	170	2.5	24	113.7	99.9	99.9	Pass	Medium	Medium	Medium	Low
State	399	2.4	72	119	99.4	98.6	Pass				

PEDIATRIC NEUROLOGY

Member / Provider Locations

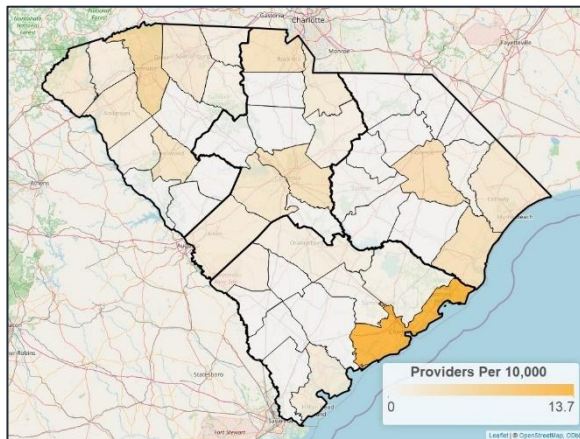


Utilization per 1,000

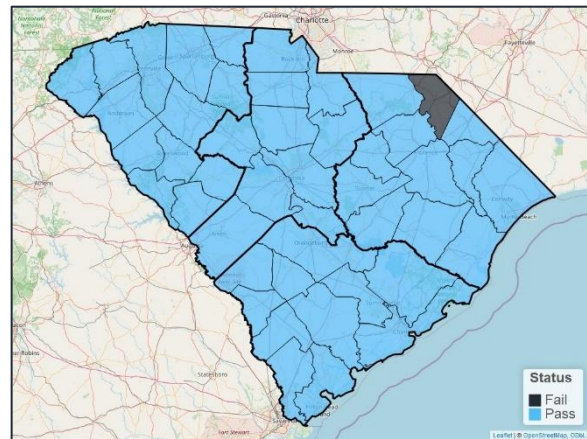


Note: Red pins denote provider locations

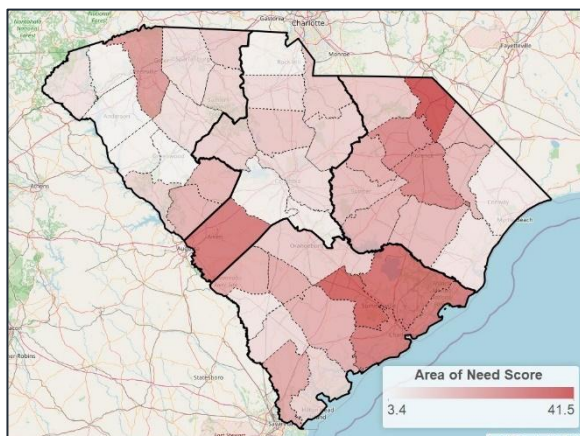
Providers per 10,000



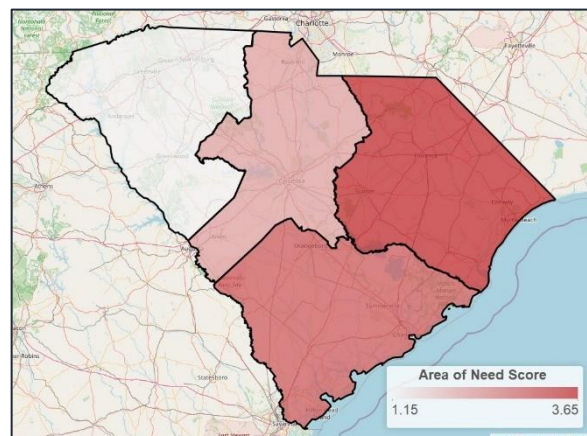
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



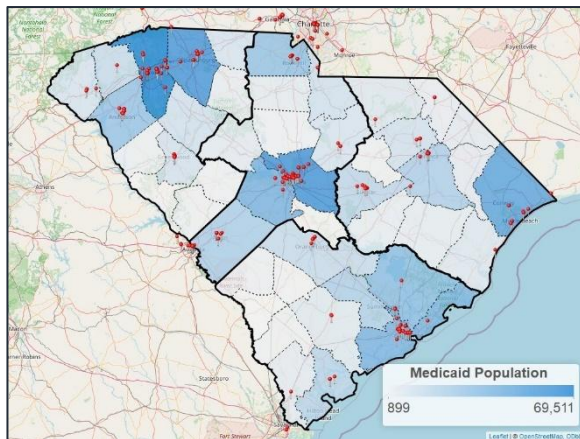
Note: Darker shades indicate greater area of need

FIGURE 24: PEDIATRIC NEUROLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

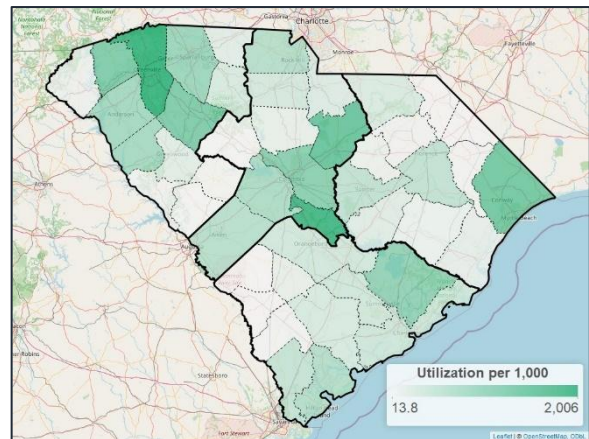
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	1	0.9	0	232.3	100	100	Pass	High	Medium	High	Low
Aiken	5	1.8	0	56.9	100	99.8	Pass	Medium	Medium	Medium	High
Allendale	0	0	0	155.4	100	100	Pass	High	Low	High	Low
Anderson	11	2.3	0	160	100	100	Pass	High	High	High	Low
Bamberg	0	0	0	23.8	100	100	Pass	Low	Low	High	High
Barnwell	1	1.2	0	19.5	100	100	Pass	Low	Medium	High	Medium
Beaufort	6	1.7	0	88.7	100	100	Pass	Medium	Medium	High	Medium
Berkeley	5	0.7	0	55.7	99.8	98.1	Pass	Medium	Medium	Medium	High
Calhoun	0	0	0	166.2	100	100	Pass	High	Low	High	Low
Charleston	71	13.7	1	54.2	99.7	99.7	Pass	Medium	High	Medium	High
Cherokee	1	1	0	63.8	100	100	Pass	Medium	Medium	High	Medium
Chester	0	0	0	115.4	100	100	Pass	Medium	Low	High	Medium
Chesterfield	0	0	0	66.7	100	100	Pass	Medium	Low	High	Medium
Clarendon	0	0	0	40.3	100	100	Pass	Medium	Low	High	Medium
Colleton	0	0	0	25.1	100	100	Pass	Low	Low	High	High
Darlington	0	0	0	126.1	99.9	98.4	Pass	Medium	Low	Medium	High
Dillon	0	0	0	48.6	100	100	Pass	Medium	Low	High	Medium
Dorchester	2	0.5	0	51.2	99.9	96	Pass	Medium	Medium	Medium	High
Edgefield	0	0	0	45.1	100	100	Pass	Medium	Low	High	Medium
Fairfield	0	0	0	63.8	100	100	Pass	Medium	Low	High	Medium
Florence	16	4.4	0	93.3	99.9	96.4	Pass	Medium	High	Medium	High
Georgetown	6	4.1	0	103.9	100	100	Pass	Medium	High	High	Low
Greenville	49	5.7	0	120.8	99.9	100	Pass	Medium	High	Medium	High
Greenwood	6	3.1	0	148.2	100	100	Pass	High	High	High	Low
Hampton	0	0	0	120.6	100	100	Pass	Medium	Low	High	Medium
Horry	17	2.4	0	124.7	100	100	Pass	Medium	High	High	Low
Jasper	0	0	0	20.1	100	100	Pass	Low	Low	High	High
Kershaw	2	0.9	0	79.8	100	100	Pass	Medium	Medium	High	Medium
Lancaster	4	2	0	55.5	100	100	Pass	Medium	Medium	High	Medium
Laurens	1	0.3	0	124.2	100	100	Pass	Medium	Medium	High	Medium
Lee	0	0	0	24.1	100	100	Pass	Low	Low	High	High
Lexington	16	2.5	1	132	100	100	Pass	Medium	High	High	Low
Marion	1	0.5	0	49.5	100	100	Pass	Medium	Medium	High	Medium
Marlboro	0	0	0	28.6	94.9	71.4	Fail	Low	Low	Low	High
McCormick	0	0	0	96.3	100	100	Pass	Medium	Low	High	Medium
Newberry	0	0	0	91.9	100	100	Pass	Medium	Low	High	Medium
Oconee	6	2.2	0	113.9	100	100	Pass	Medium	High	High	Low
Orangeburg	3	1.1	0	61.4	100	100	Pass	Medium	Medium	High	Medium
Pickens	4	1.4	0	162	100	100	Pass	High	Medium	High	Low
Richland	36	3.9	0	89	100	100	Pass	Medium	High	High	Medium
Saluda	0	0	0	48.4	100	100	Pass	Medium	Low	High	Medium
Spartanburg	17	2.1	0	112.6	100	100	Pass	Medium	High	High	Low
Sumter	1	0.3	0	54.6	100	100	Pass	Medium	Medium	High	Medium
Union	1	0.7	0	94.3	100	100	Pass	Medium	Medium	High	Medium
Williamsburg	0	0	0	50.2	100	100	Pass	Medium	Low	High	Medium
York	14	3.6	0	147.4	100	100	Pass	High	High	High	Low
Region											
Lowcountry	82	4.1	1	57.2	99.9	98.9	Pass	Low	High	Medium	Medium
Midlands	70	2.7	1	101.4	100	99.9	Pass	Medium	Medium	Medium	Medium
Pee Dee	38	1.8	0	88.7	99.8	98.4	Pass	Medium	Low	Medium	High
Upstate	84	2.9	0	124.6	99.9	100	Pass	High	Medium	Medium	Low
State	217	2.9	2	96.5	99.9	99.4	Pass				

PEDIATRIC PSYCHIATRY

Member / Provider Locations

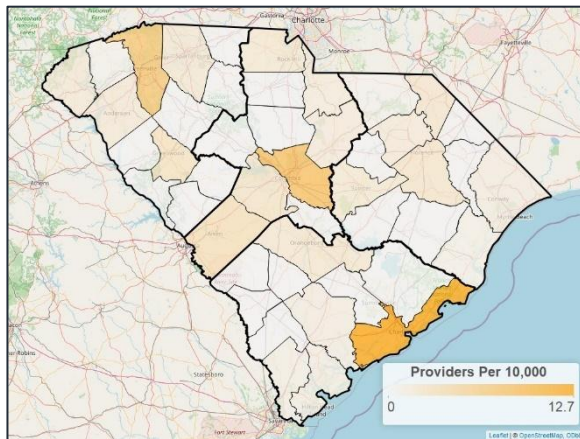


Utilization per 1,000

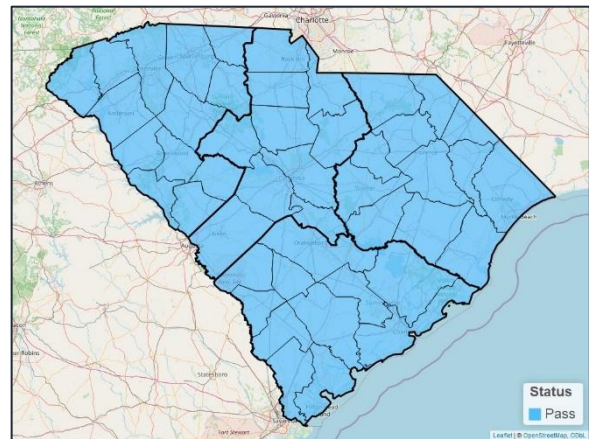


Note: Red pins denote provider locations

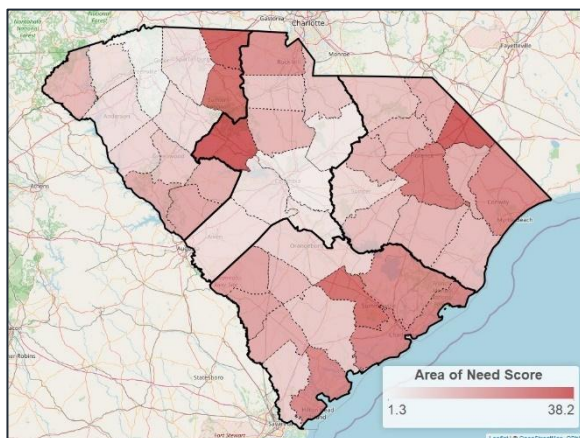
Providers per 10,000



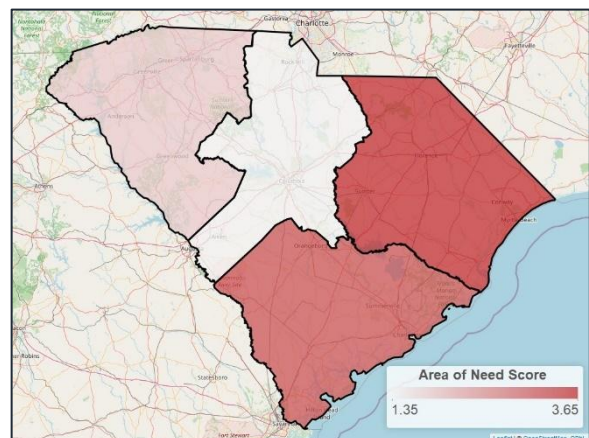
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



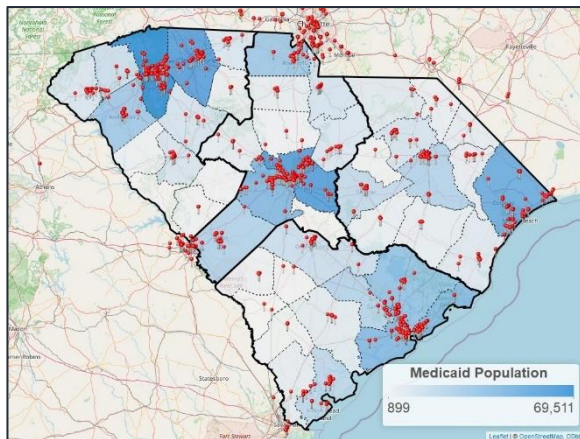
Note: Darker shades indicate greater area of need

FIGURE 25: PEDIATRIC PSYCHIATRY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

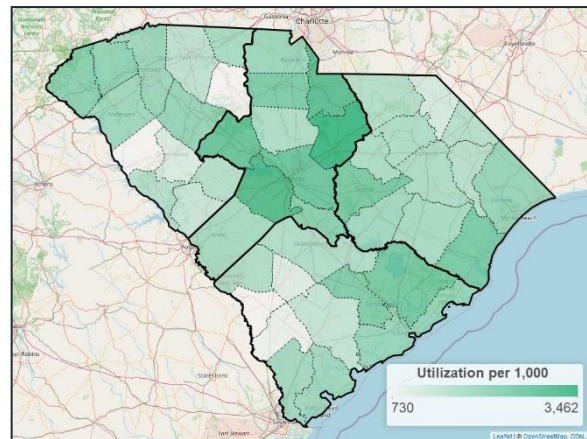
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	0	0	1	872	100	100	Pass	Medium	Low	High	Low
Aiken	12	3.2	0	675.4	100	100	Pass	Medium	High	High	Low
Allendale	0	0	0	13.8	100	100	Pass	Low	Low	High	High
Anderson	7	1.5	0	889.4	100	100	Pass	Medium	Medium	High	Low
Bamberg	0	0	0	146.9	100	100	Pass	Medium	Low	High	Medium
Barnwell	0	0	0	14.4	100	100	Pass	Low	Low	High	Medium
Beaufort	3	0.9	1	686.8	99.9	99.9	Pass	Medium	Medium	Medium	High
Berkeley	1	0.1	1	1077	100	99.9	Pass	High	Medium	Medium	High
Calhoun	0	0	0	1969	100	100	Pass	High	Low	High	Low
Charleston	64	12.7	3	404.4	99.8	99.5	Pass	Medium	High	Medium	High
Cherokee	0	0	0	205.9	100	99.3	Pass	Medium	Low	Medium	High
Chester	0	0	0	350.9	100	100	Pass	Medium	Low	High	Medium
Chesterfield	1	0.4	0	297.9	100	100	Pass	Medium	Medium	High	Medium
Clarendon	0	0	0	229.5	100	100	Pass	Medium	Low	High	Medium
Colleton	2	1	0	326.4	100	100	Pass	Medium	Medium	High	Medium
Darlington	4	1.3	0	54.8	100	100	Pass	Low	Medium	High	Medium
Dillon	0	0	0	24.3	100	99.9	Pass	Low	Low	Medium	High
Dorchester	0	0	0	397.4	100	98.8	Pass	Medium	Low	Medium	High
Edgefield	0	0	0	31.1	100	100	Pass	Low	Low	High	Medium
Fairfield	0	0	0	146.1	100	100	Pass	Medium	Low	High	Medium
Florence	9	2.1	0	568.6	99.9	97.6	Pass	Medium	High	Medium	High
Georgetown	1	0.6	0	156.6	100	100	Pass	Medium	Medium	High	Medium
Greenville	56	7	3	2006.4	100	100	Pass	High	High	High	Low
Greenwood	6	2.7	0	224.8	100	100	Pass	Medium	High	High	Medium
Hampton	0	0	0	37.4	100	100	Pass	Low	Low	High	Medium
Horry	7	1	0	1435.6	99.3	98.9	Pass	High	Medium	Medium	High
Jasper	1	0.8	0	518.9	100	100	Pass	Medium	Medium	High	Medium
Kershaw	3	1.3	0	1516.3	100	100	Pass	High	Medium	High	Low
Lancaster	2	1.2	0	258.9	100	100	Pass	Medium	Medium	High	Medium
Laurens	0	0	0	1316.1	100	100	Pass	High	Low	High	Low
Lee	0	0	0	107.7	100	100	Pass	Medium	Low	High	Medium
Lexington	15	2.3	0	778.6	100	100	Pass	Medium	High	High	Low
Marion	0	0	0	42.4	100	100	Pass	Low	Low	High	Medium
Marlboro	2	2	0	23.8	100	100	Pass	Low	High	High	Medium
McCormick	0	0	0	41.5	100	100	Pass	Low	Low	High	Medium
Newberry	0	0	0	31.1	100	99.9	Pass	Low	Low	Medium	High
Oconee	4	1.5	0	90.1	100	100	Pass	Medium	Medium	High	Medium
Orangeburg	5	1.8	0	383.3	100	100	Pass	Medium	High	High	Medium
Pickens	1	0.3	0	1317.6	100	100	Pass	High	Medium	High	Low
Richland	66	8.3	0	1185.5	100	100	Pass	High	High	High	Low
Saluda	0	0	0	47.3	100	100	Pass	Low	Low	High	Medium
Spartanburg	16	1.6	0	954.3	100	100	Pass	Medium	High	High	Low
Sumter	5	1.7	0	569.7	100	100	Pass	Medium	High	High	Low
Union	0	0	0	324.4	100	99.4	Pass	Medium	Low	Medium	High
Williamsburg	0	0	0	119.1	100	100	Pass	Medium	Low	High	Medium
York	7	1.7	0	690.4	100	99.9	Pass	Medium	High	Medium	High
Region											
Lowcountry	72	3.7	5	540	99.9	99.7	Pass	Low	Medium	Medium	Medium
Midlands	90	3.8	0	848.3	100	99.9	Pass	Medium	High	Medium	Low
Pee Dee	25	1.1	0	652.9	99.8	99.3	Pass	Medium	Low	Medium	High
Upstate	78	2.9	4	1126.7	100	99.9	Pass	High	Medium	Medium	Medium
State	221	2.9	9	826.3	99.9	99.8	Pass				

PEDIATRICS

Member / Provider Locations

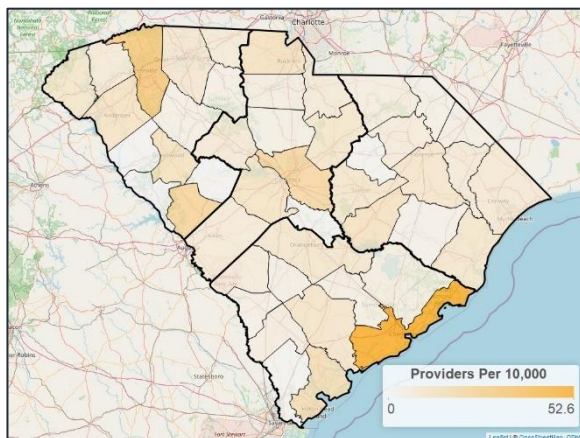


Utilization per 1,000

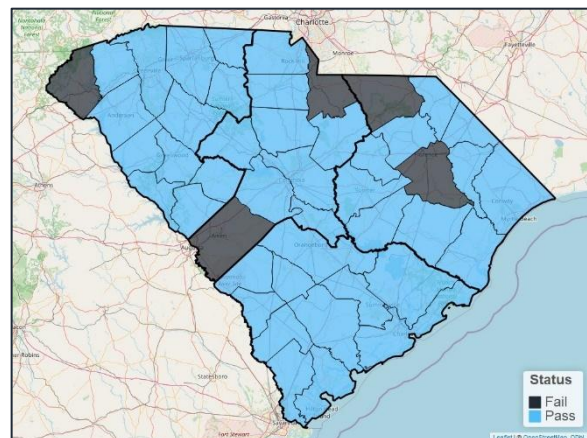


Note: Red pins denote provider locations

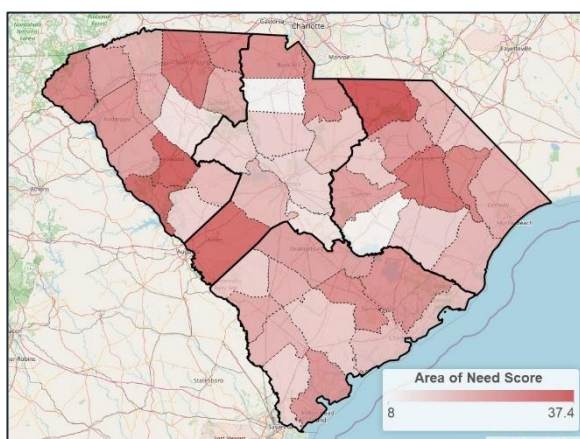
Providers per 10,000



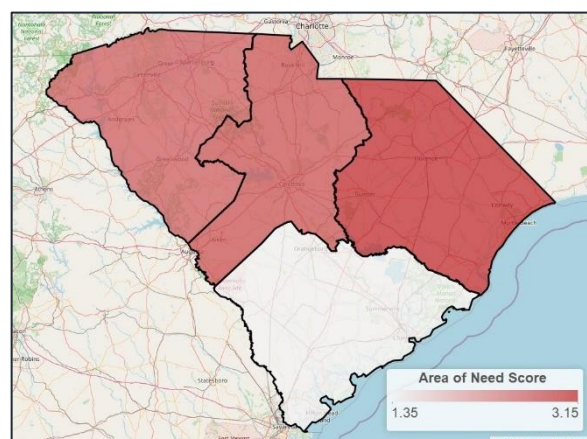
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



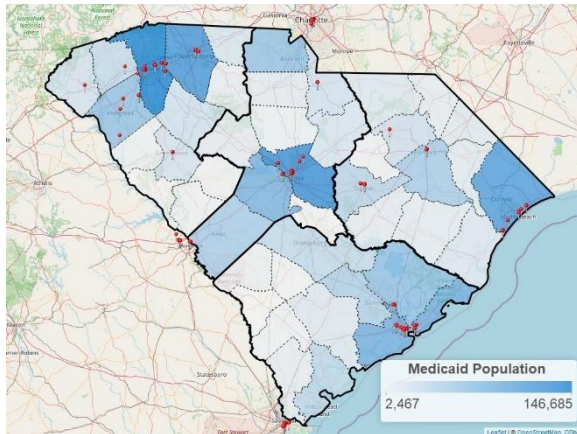
Note: Darker shades indicate greater area of need

FIGURE 26: PEDIATRICS ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

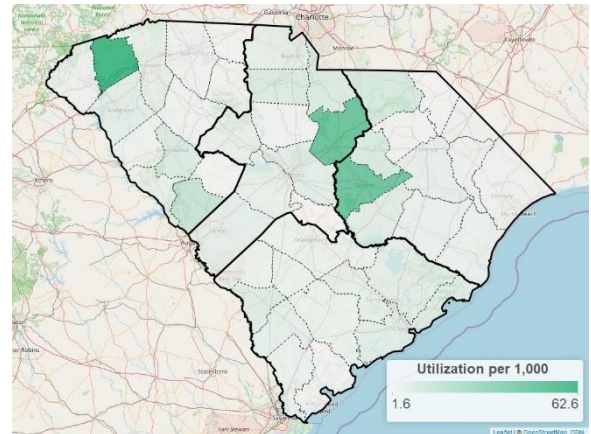
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	0	0	0	730.4	100	100	Pass	Low	Low	High	Medium
Aiken	33	6.9	0	1930.2	85.5	84.6	Fail	Medium	Medium	Low	High
Allendale	2	2.9	0	730.7	100	100	Pass	Low	Low	High	Medium
Anderson	87	11.6	0	2043	92.5	93.8	Pass	Medium	High	Medium	Medium
Bamberg	3	3.2	0	1074.5	100	100	Pass	Low	Low	High	Medium
Barnwell	5	5.5	0	1777	100	100	Pass	Medium	Medium	High	Low
Beaufort	64	16	4	1981.6	93.6	93.9	Pass	Medium	High	Medium	Medium
Berkeley	44	4.4	0	2641.8	92.4	91.9	Pass	Medium	Medium	Medium	High
Calhoun	0	0	0	2374.6	100	100	Pass	Medium	Low	High	Low
Charleston	353	52.6	64	2102.8	99.2	98.8	Pass	Medium	High	Medium	Medium
Cherokee	13	7.1	0	1911.4	94.9	94	Pass	Medium	Medium	Medium	High
Chester	4	4.4	0	2548.8	100	100	Pass	Medium	Medium	High	Low
Chesterfield	10	4.3	0	1729.7	92.9	84.5	Fail	Medium	Medium	Low	High
Clarendon	17	12.5	0	2009.2	100	100	Pass	Medium	High	High	Low
Colleton	17	10.4	0	1457	100	100	Pass	Medium	High	High	Low
Darlington	19	5.7	0	1805.6	99.9	99.9	Pass	Medium	Medium	Medium	Medium
Dillon	8	3.4	0	1704.8	100	100	Pass	Medium	Medium	High	Medium
Dorchester	23	3.9	0	2495.8	93.2	93	Pass	Medium	Medium	Medium	High
Edgefield	12	22.5	0	1415.8	100	100	Pass	Medium	High	High	Low
Fairfield	5	3.4	0	1817.6	100	100	Pass	Medium	Medium	High	Low
Florence	68	10	0	1824.6	90.6	88.6	Fail	Medium	High	Low	High
Georgetown	23	9.6	0	2613.3	99.4	94.4	Pass	Medium	Medium	Medium	Medium
Greenville	356	30.5	35	2005.7	98.3	98.3	Pass	Medium	High	Medium	Medium
Greenwood	35	13.2	0	1114	92.5	91.6	Pass	Low	High	Medium	High
Hampton	5	4.5	0	866.6	100	100	Pass	Low	Medium	High	Medium
Horry	87	7.5	1	2177.4	97.6	96.8	Pass	Medium	Medium	Medium	Medium
Jasper	2	0.6	0	1956.2	100	100	Pass	Medium	Low	High	Low
Kershaw	23	9.6	0	3462.1	98	96.2	Pass	High	Medium	Medium	Medium
Lancaster	24	6.8	0	3120.6	82.3	80.7	Fail	High	Medium	Low	High
Laurens	11	2.7	0	2168	100	100	Pass	Medium	Low	High	Low
Lee	1	0.7	0	1837.3	100	100	Pass	Medium	Low	High	Medium
Lexington	122	11.3	1	3263.8	95.1	95.2	Pass	High	High	Medium	Medium
Marion	13	6.5	0	1658.2	99.9	96.9	Pass	Medium	Medium	Medium	High
Marlboro	6	2.5	0	1216.7	100	100	Pass	Low	Low	High	Medium
McCormick	0	0	0	1627.9	97.1	96.3	Pass	Medium	Low	Medium	High
Newberry	16	7.4	0	2897	99.9	99.9	Pass	High	Medium	Medium	Low
Oconee	28	9.6	0	2333.8	86.4	86.6	Fail	Medium	Medium	Low	High
Orangeburg	41	9.4	1	1764.9	100	99.9	Pass	Medium	Medium	Medium	Medium
Pickens	27	6.6	0	2249.1	95.9	96.5	Pass	Medium	Medium	Medium	Medium
Richland	233	20.5	44	2789.3	99.9	99.9	Pass	High	High	Medium	Low
Saluda	0	0	0	1690.5	100	100	Pass	Medium	Low	High	Medium
Spartanburg	118	8.4	0	1507.7	95.6	95.9	Pass	Medium	Medium	Medium	High
Sumter	34	9.3	1	2640.3	94.2	91.5	Pass	Medium	Medium	Medium	Medium
Union	5	2.9	0	732.5	100	100	Pass	Low	Low	High	Medium
Williamsburg	5	2.3	0	1882.4	100	100	Pass	Medium	Low	High	Low
York	53	12.6	1	2060.8	91.3	93.5	Pass	Medium	High	Medium	Medium
Region			7								
Lowcountry	455	18.9	69	2105.3	96.3	96.1	Pass	Medium	High	Medium	Low
Midlands	396	12.8	46	2687.9	94.6	94.6	Pass	High	Medium	Medium	Medium
Pee Dee	232	7.6	2	2044.6	96.6	94.9	Pass	Medium	Low	Medium	High
Upstate	508	14.7	35	1817.9	95.9	96.1	Pass	Low	Medium	Medium	Medium
State	1031	13.6	152	2156.5	95.8	95.4	Pass				

PLASTIC SURGERY

Member / Provider Locations

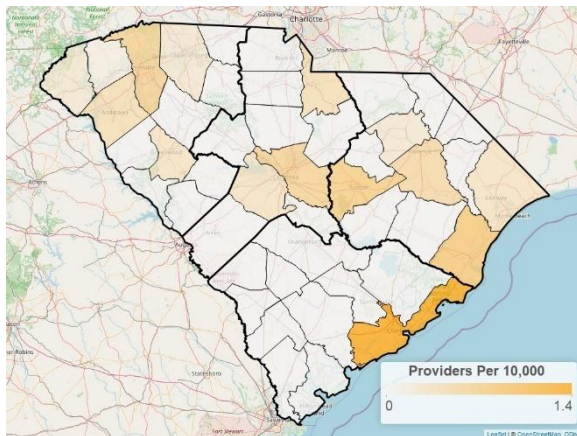


Utilization per 1,000

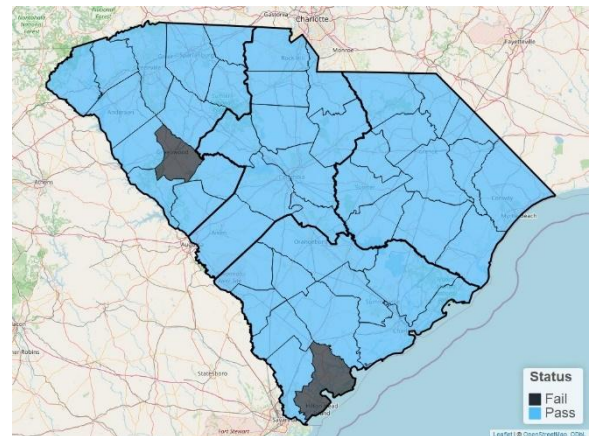


Note: Red pins denote provider locations

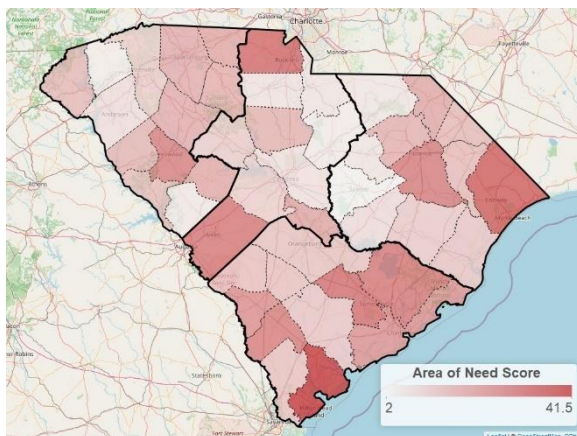
Providers per 10,000



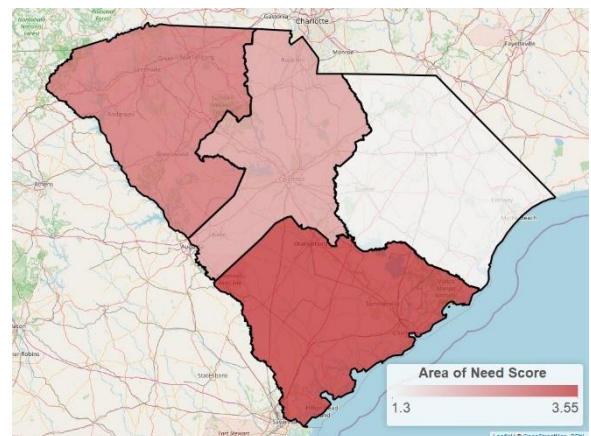
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



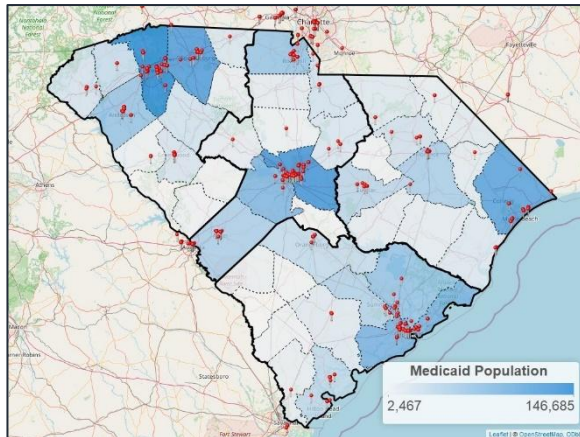
Note: Darker shades indicate greater area of need

FIGURE 27: PLASTIC SURGERY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

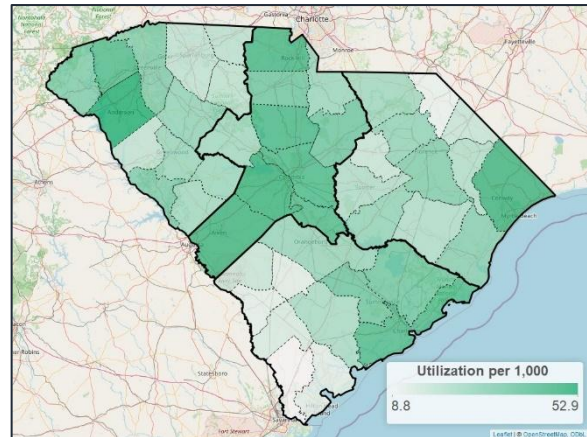
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	0	0	0	3.8	100	100	Pass	Medium	Low	High	Medium
Aiken	0	0	0	7.1	99.9	98.3	Pass	Medium	Low	Medium	High
Allendale	0	0	0	8.8	100	99.9	Pass	Medium	Low	Medium	High
Anderson	5	0.4	0	7.4	100	100	Pass	Medium	High	High	Low
Bamberg	0	0	0	5.1	100	100	Pass	Medium	Low	High	Medium
Barnwell	0	0	0	4.4	100	100	Pass	Medium	Low	High	Medium
Beaufort	0	0	1	1.6	42.1	33.2	Fail	Low	Low	Low	High
Berkeley	0	0	1	6.8	100	98.7	Pass	Medium	Low	Medium	High
Calhoun	0	0	0	1.9	100	100	Pass	Low	Low	High	High
Charleston	15	1.4	6	7.8	100	99.9	Pass	Medium	High	Medium	High
Cherokee	0	0	0	2.4	100	100	Pass	Low	Low	High	Medium
Chester	0	0	0	10.2	100	100	Pass	Medium	Low	High	Low
Chesterfield	0	0	0	11.5	100	100	Pass	Medium	Low	High	Low
Clarendon	0	0	0	8.4	100	100	Pass	Medium	Low	High	Low
Colleton	0	0	0	5.1	100	100	Pass	Medium	Low	High	Medium
Darlington	1	0.2	0	3.1	100	100	Pass	Medium	Medium	High	Medium
Dillon	0	0	0	4	100	100	Pass	Medium	Low	High	Medium
Dorchester	0	0	1	6.5	99.9	97.8	Pass	Medium	Low	Medium	High
Edgefield	0	0	0	17.4	100	100	Pass	High	Low	High	Low
Fairfield	0	0	0	3.3	100	100	Pass	Medium	Low	High	Medium
Florence	4	0.5	0	5.9	99.9	99.9	Pass	Medium	High	Medium	High
Georgetown	3	0.8	0	4.2	100	100	Pass	Medium	High	High	Medium
Greenville	12	0.6	1	5.1	100	100	Pass	Medium	High	High	Low
Greenwood	2	0.3	0	10.1	91	65.7	Fail	Medium	High	Low	High
Hampton	0	0	0	6.6	100	99.9	Pass	Medium	Low	Medium	High
Horry	4	0.3	1	3.7	99.9	98.9	Pass	Medium	High	Medium	High
Jasper	0	0	0	4.8	100	100	Pass	Medium	Low	High	Medium
Kershaw	0	0	0	49.8	100	100	Pass	High	Low	High	Low
Lancaster	1	0.4	0	9.8	100	100	Pass	Medium	High	High	Low
Laurens	0	0	0	3	100	100	Pass	Medium	Low	High	Medium
Lee	0	0	0	10.8	100	100	Pass	Medium	Low	High	Low
Lexington	3	0.3	0	5.3	100	100	Pass	Medium	High	High	Medium
Marion	0	0	0	4.2	100	100	Pass	Medium	Low	High	Medium
Marlboro	0	0	0	2.5	100	100	Pass	Low	Low	High	Medium
McCormick	0	0	0	4.3	100	100	Pass	Medium	Low	High	Medium
Newberry	0	0	0	5.7	100	100	Pass	Medium	Low	High	Medium
Oconee	1	0.2	0	4	100	100	Pass	Medium	Medium	High	Medium
Orangeburg	0	0	0	5.1	100	100	Pass	Medium	Low	High	Medium
Pickens	1	0.1	0	62.6	100	100	Pass	High	Medium	High	Low
Richland	11	0.6	5	7.5	100	100	Pass	Medium	High	High	Low
Saluda	0	0	0	2.6	100	100	Pass	Low	Low	High	Medium
Spartanburg	4	0.2	0	2.8	100	100	Pass	Medium	High	High	Medium
Sumter	4	0.7	0	47.7	100	100	Pass	High	High	High	Low
Union	0	0	0	3.1	100	100	Pass	Medium	Low	High	Medium
Williamsburg	0	0	0	5.3	100	100	Pass	Medium	Low	High	Medium
York	0	0	0	6.5	99.6	93.6	Pass	Medium	Low	Medium	High
Region											
Lowcountry	15	0.4	8	6	93.4	91.7	Pass	Low	High	Medium	High
Midlands	14	0.3	5	9.1	99.9	98.8	Pass	Medium	Low	Medium	Medium
Pee Dee	14	0.3	1	10.1	99.9	99.6	Pass	High	Medium	Medium	Low
Upstate	19	0.3	1	8.9	99.5	98.3	Pass	Medium	Medium	Medium	Medium
State	51	0.3	15	8.6	98.5	97.3	Pass				

PSYCHIATRY

Member / Provider Locations

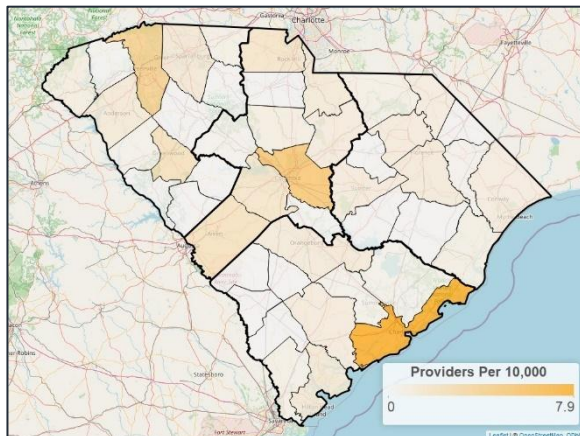


Utilization per 1,000

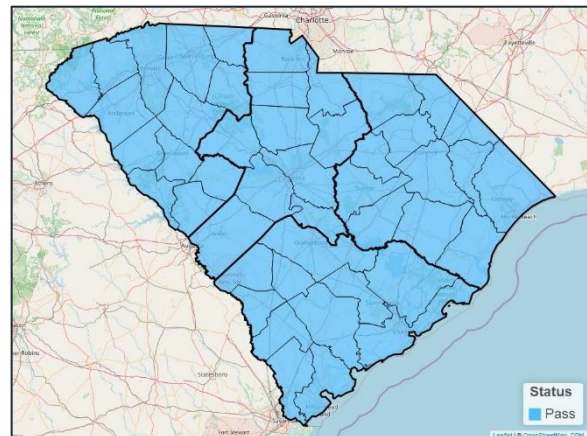


Note: Red pins denote provider locations

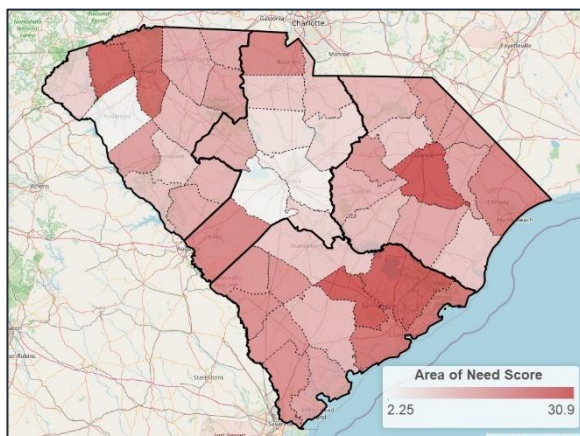
Providers per 10,000



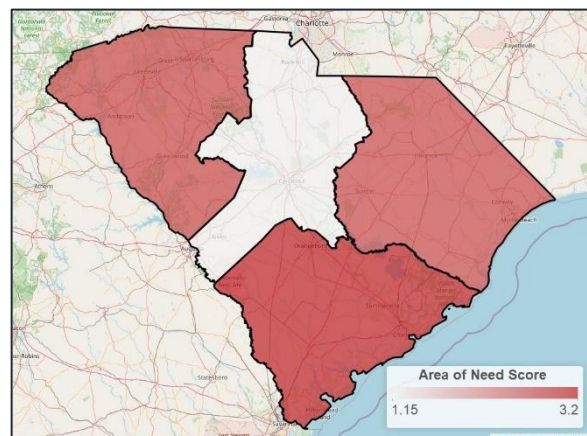
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



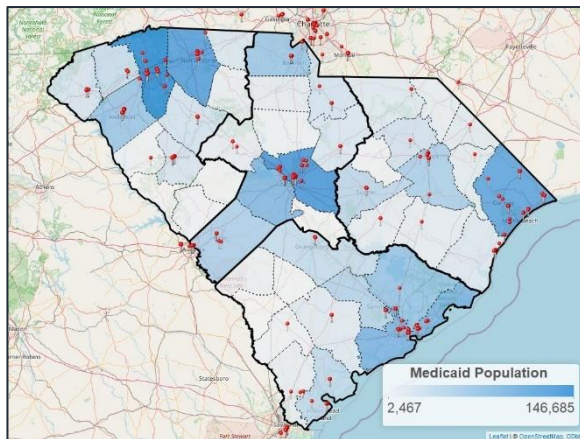
Note: Darker shades indicate greater area of need

FIGURE 28: PSYCHIATRY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

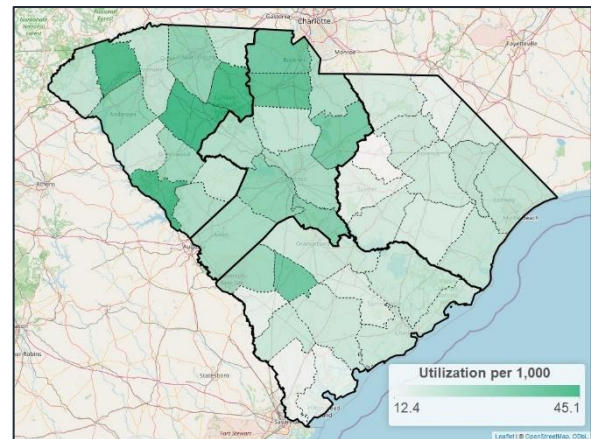
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	1	0.3	1	19.9	100	100	Pass	Medium	Medium	High	Medium
Aiken	17	2	3	49.2	99.9	100	Pass	High	High	Medium	High
Allendale	0	0	0	12.4	100	100	Pass	Low	Low	High	High
Anderson	11	1	2	52.9	100	100	Pass	High	High	High	Low
Bamberg	0	0	0	13.1	100	100	Pass	Low	Low	High	High
Barnwell	0	0	0	18.6	100	100	Pass	Medium	Low	High	Medium
Beaufort	7	1.1	10	12.7	100	100	Pass	Low	High	High	Medium
Berkeley	4	0.3	3	37.4	100	99.9	Pass	Medium	Medium	Medium	High
Calhoun	0	0	3	44.5	100	100	Pass	High	Low	High	Low
Charleston	93	7.9	123	44.5	99.7	99.5	Pass	High	High	Medium	High
Cherokee	1	0.4	2	21.3	100	100	Pass	Medium	Medium	High	Medium
Chester	0	0	1	37.8	100	100	Pass	Medium	Low	High	Low
Chesterfield	2	0.4	0	27.2	100	100	Pass	Medium	Medium	High	Medium
Clarendon	0	0	0	29.9	100	100	Pass	Medium	Low	High	Medium
Colleton	4	0.8	1	25.2	100	100	Pass	Medium	Medium	High	Medium
Darlington	6	0.8	1	29.8	100	100	Pass	Medium	Medium	High	Low
Dillon	0	0	0	19	100	100	Pass	Medium	Low	High	Medium
Dorchester	3	0.3	2	37.9	100	98.7	Pass	Medium	Medium	Medium	High
Edgefield	0	0	0	26.7	100	100	Pass	Medium	Low	High	Medium
Fairfield	1	0.6	0	46.9	100	100	Pass	High	Medium	High	Low
Florence	9	0.9	0	33.6	99.9	97.7	Pass	Medium	Medium	Medium	High
Georgetown	2	0.5	0	32.3	100	100	Pass	Medium	Medium	High	Low
Greenville	67	3.8	58	33.4	99.9	100	Pass	Medium	High	Medium	High
Greenwood	10	2.1	0	28.4	100	100	Pass	Medium	High	High	Low
Hampton	0	0	0	14.9	100	100	Pass	Low	Low	High	Medium
Horry	11	0.7	7	49.3	99.9	100	Pass	High	Medium	Medium	High
Jasper	1	0.4	0	8.8	100	100	Pass	Low	Medium	High	High
Kershaw	4	0.8	1	37.8	100	100	Pass	Medium	Medium	High	Low
Lancaster	5	1	0	28.1	100	100	Pass	Medium	High	High	Medium
Laurens	0	0	0	29.6	100	100	Pass	Medium	Low	High	Medium
Lee	0	0	1	18.6	100	100	Pass	Medium	Low	High	Medium
Lexington	22	1.5	4	50	100	100	Pass	High	High	High	Low
Marion	1	0.2	0	23.4	100	100	Pass	Medium	Medium	High	Medium
Marlboro	2	0.7	0	11.2	100	100	Pass	Low	Medium	High	Medium
McCormick	0	0	0	34.1	100	100	Pass	Medium	Low	High	Medium
Newberry	1	0.2	0	26.7	100	100	Pass	Medium	Medium	High	Medium
Oconee	4	0.6	0	34.4	100	100	Pass	Medium	Medium	High	Low
Orangeburg	7	0.9	0	28.6	100	100	Pass	Medium	High	High	Low
Pickens	1	0.1	0	44.5	99.9	100	Pass	High	Medium	Medium	High
Richland	89	4.9	55	46.2	100	100	Pass	High	High	High	Low
Saluda	0	0	0	28.2	100	100	Pass	Medium	Low	High	Medium
Spartanburg	23	1.1	3	20.1	100	100	Pass	Medium	High	High	Medium
Sumter	5	0.8	0	23.5	100	100	Pass	Medium	Medium	High	Medium
Union	0	0	0	21.2	100	100	Pass	Medium	Low	High	Medium
Williamsburg	0	0	0	23.6	100	100	Pass	Medium	Low	High	Medium
York	13	1.5	4	47.4	100	99.9	Pass	High	High	Medium	High
Region											
Lowcountry	107	2.5	137	32.2	99.9	99.6	Pass	Medium	High	Medium	High
Midlands	125	2.4	71	45.1	100	99.9	Pass	High	Medium	Medium	Low
Pee Dee	31	0.6	9	33.8	99.9	99.6	Pass	Medium	Low	Medium	Medium
Upstate	99	1.7	66	32	99.9	100	Pass	Low	Medium	Medium	Medium
State	300	1.8	283	35.9	99.9	99.9	Pass				

PULMONOLOGY

Member / Provider Locations

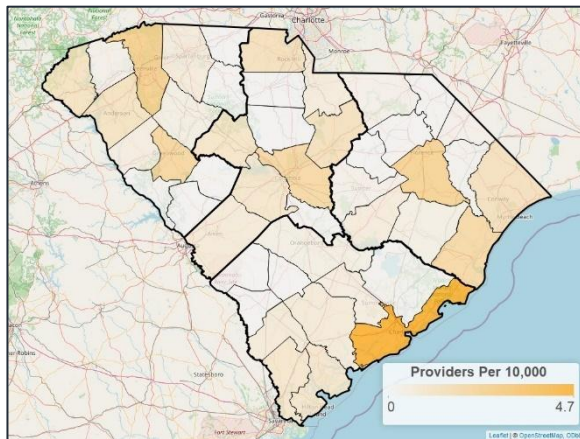


Utilization per 1,000

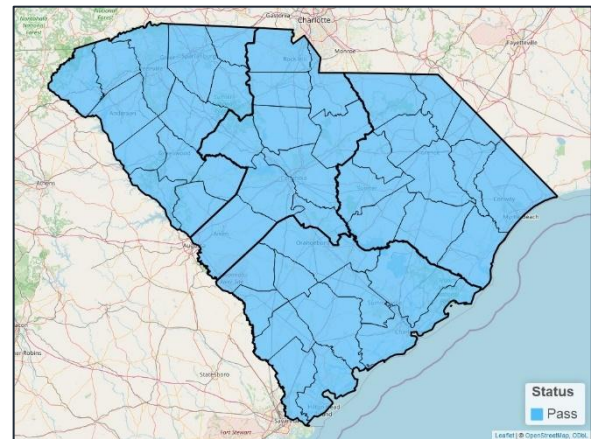


Note: Red pins denote provider locations

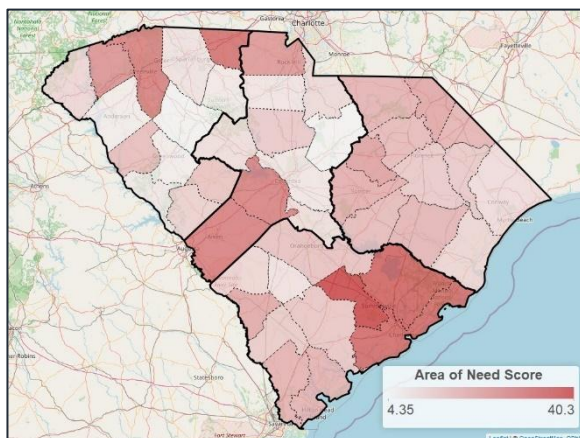
Providers per 10,000



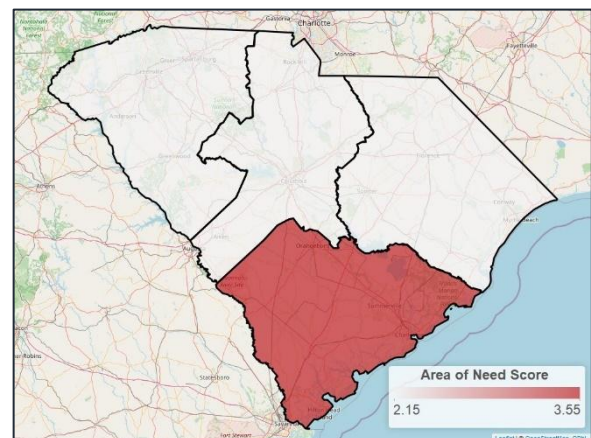
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



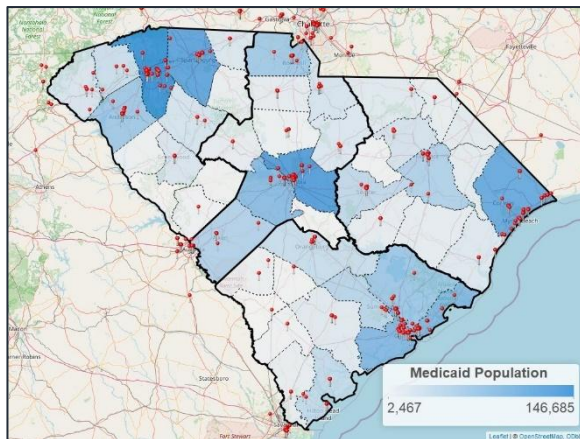
Note: Darker shades indicate greater area of need

FIGURE 29: PULMONOLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

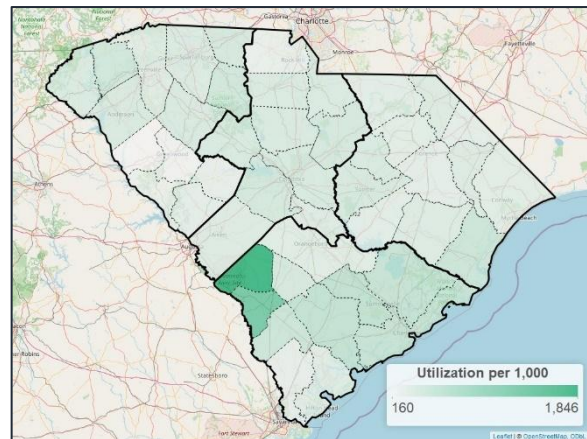
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	1	0.4	0	19.3	100	100	Pass	Medium	Medium	High	Medium
Aiken	6	0.6	0	26.8	99.9	99.3	Pass	Medium	Medium	Medium	High
Allendale	0	0	0	15.1	100	100	Pass	Low	Low	High	High
Anderson	11	1.2	0	31.7	100	100	Pass	Medium	High	High	Low
Bamberg	0	0	0	36.9	100	100	Pass	High	Low	High	Low
Barnwell	0	0	0	27.5	100	100	Pass	Medium	Low	High	Medium
Beaufort	7	0.9	2	14.1	100	100	Pass	Low	Medium	High	Medium
Berkeley	1	0.1	0	20.2	100	99.8	Pass	Medium	Medium	Medium	High
Calhoun	0	0	0	32.7	100	100	Pass	Medium	Low	High	Low
Charleston	58	4.7	4	19.5	99.7	99.5	Pass	Medium	High	Medium	High
Cherokee	0	0	0	22.4	100	99.9	Pass	Medium	Low	Medium	High
Chester	0	0	0	40.9	100	100	Pass	High	Low	High	Low
Chesterfield	2	0.2	0	17.7	100	100	Pass	Medium	Medium	High	Medium
Clarendon	2	0.5	0	18.4	100	100	Pass	Medium	Medium	High	Medium
Colleton	1	0.6	0	19.7	100	100	Pass	Medium	Medium	High	Medium
Darlington	1	0	0	19.6	100	100	Pass	Medium	Medium	High	Medium
Dillon	1	0.2	0	18	100	100	Pass	Medium	Medium	High	Medium
Dorchester	5	0.4	0	16.8	100	98.6	Pass	Medium	Medium	Medium	High
Edgefield	0	0	0	25.9	100	100	Pass	Medium	Low	High	Medium
Fairfield	0	0	1	21.8	100	100	Pass	Medium	Low	High	Medium
Florence	23	2.3	1	19.1	100	100	Pass	Medium	High	High	Medium
Georgetown	7	1.9	0	20.8	100	100	Pass	Medium	High	High	Medium
Greenville	45	2.4	1	21.5	99.9	99.9	Pass	Medium	High	Medium	High
Greenwood	8	2	0	28.1	100	100	Pass	Medium	High	High	Low
Hampton	1	0.6	0	19.9	100	100	Pass	Medium	Medium	High	Medium
Horry	21	1.3	0	21.8	100	100	Pass	Medium	High	High	Medium
Jasper	3	0.9	0	13.5	100	100	Pass	Low	Medium	High	Medium
Kershaw	5	1.3	0	35.5	100	100	Pass	High	High	High	Low
Lancaster	2	0.5	0	25.3	100	100	Pass	Medium	Medium	High	Medium
Laurens	2	0.3	0	45.1	100	100	Pass	High	Medium	High	Low
Lee	0	0	0	12.4	100	100	Pass	Low	Low	High	High
Lexington	13	0.9	0	31.3	100	98.8	Pass	Medium	Medium	Medium	High
Marion	1	0.1	0	21.7	100	100	Pass	Medium	Medium	High	Medium
Marlboro	0	0	0	14.4	100	100	Pass	Low	Low	High	High
McCormick	0	0	0	43.8	100	100	Pass	High	Low	High	Low
Newberry	3	1	0	24.6	100	100	Pass	Medium	High	High	Low
Oconee	6	1.2	0	21.6	100	100	Pass	Medium	High	High	Medium
Orangeburg	2	0.3	0	19.7	100	100	Pass	Medium	Medium	High	Medium
Pickens	2	0.2	0	43.8	100	99.9	Pass	High	Medium	Medium	High
Richland	40	1.9	4	26.3	100	100	Pass	Medium	High	High	Low
Saluda	0	0	0	21.2	100	100	Pass	Medium	Low	High	Medium
Spartanburg	14	0.5	1	31	100	100	Pass	Medium	Medium	High	Low
Sumter	3	0.2	0	15.7	100	100	Pass	Low	Medium	High	Medium
Union	0	0	0	44.6	100	100	Pass	High	Low	High	Low
Williamsburg	1	0.3	0	17.5	100	100	Pass	Medium	Medium	High	Medium
York	10	1.3	0	37	99.9	100	Pass	High	High	Medium	High
Region											
Lowcountry	69	1.5	6	19	99.9	99.6	Pass	Low	High	Medium	High
Midlands	70	1.2	5	29.8	99.9	99.7	Pass	High	Medium	Medium	Medium
Pee Dee	50	0.9	1	19.3	100	100	Pass	Medium	Low	High	Medium
Upstate	74	1.1	2	29	99.9	99.9	Pass	Medium	Medium	Medium	Medium
State	199	1.2	14	25	99.9	99.8	Pass				

RADIOLOGY

Member / Provider Locations

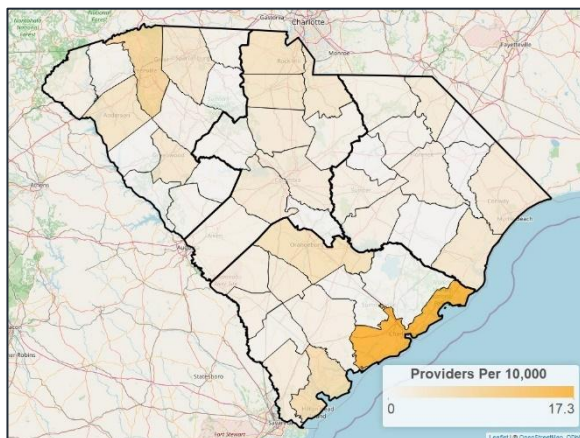


Utilization per 1,000

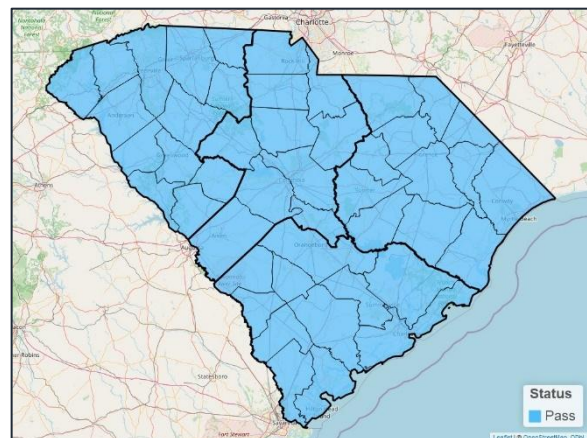


Note: Red pins denote provider locations

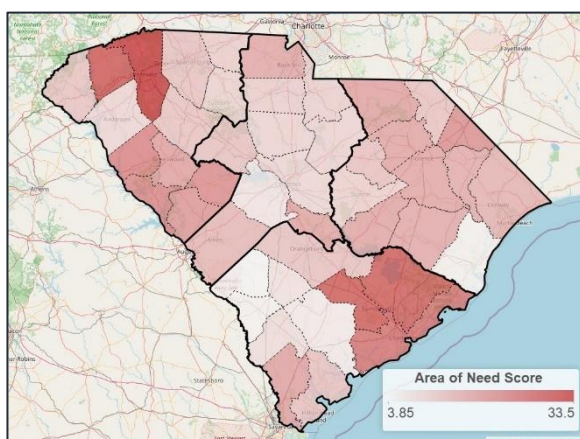
Providers per 10,000



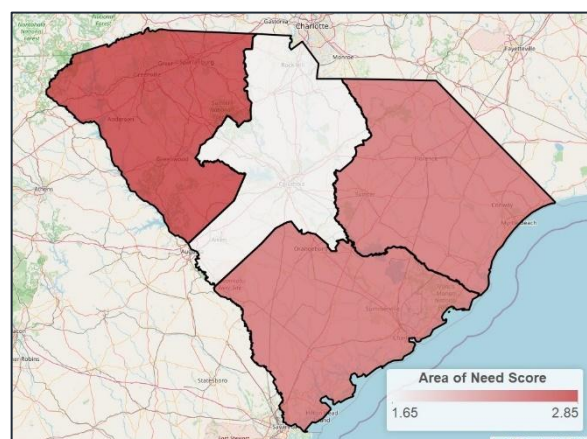
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



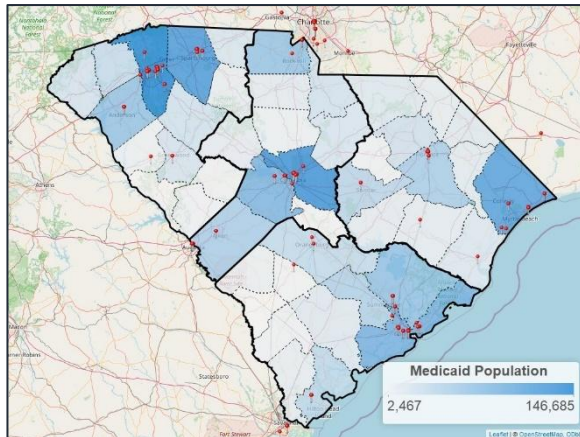
Note: Darker shades indicate greater area of need

FIGURE 30: RADIOLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

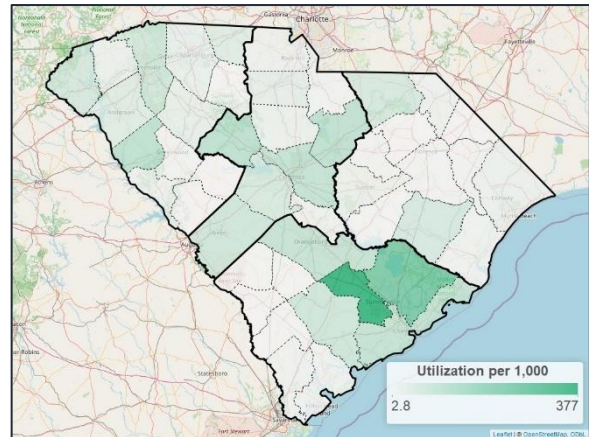
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	0	0	1	160.1	100	100	Pass	Low	Low	High	High
Aiken	6	0.9	0	379.4	100	100	Pass	Medium	Medium	High	Medium
Allendale	1	1.3	0	1323.9	100	100	Pass	High	Medium	High	Low
Anderson	36	3.8	0	405.4	100	100	Pass	Medium	High	High	Low
Bamberg	2	2.2	0	447.4	100	100	Pass	Medium	Medium	High	Low
Barnwell	3	1.4	0	1845.5	100	100	Pass	High	Medium	High	Low
Beaufort	30	5.8	8	344.7	100	100	Pass	Medium	High	High	Medium
Berkeley	5	0.3	3	577	100	99.9	Pass	Medium	Low	Medium	High
Calhoun	0	0	0	364.3	100	100	Pass	Medium	Low	High	Medium
Charleston	192	17.3	28	575.1	99.7	99.6	Pass	Medium	High	Medium	High
Cherokee	3	0.5	0	438.5	100	100	Pass	Medium	Medium	High	Medium
Chester	6	3.5	0	386.9	100	100	Pass	Medium	High	High	Medium
Chesterfield	4	0.9	0	320.3	100	100	Pass	Medium	Medium	High	Medium
Clarendon	5	1.3	0	319.9	100	100	Pass	Medium	Medium	High	Medium
Colleton	5	1.2	0	632.4	100	100	Pass	High	Medium	High	Low
Darlington	3	0.6	0	339.3	100	100	Pass	Medium	Medium	High	Medium
Dillon	0	0	0	311.4	100	100	Pass	Medium	Low	High	High
Dorchester	3	0.2	1	638.9	100	99.8	Pass	High	Low	Medium	High
Edgefield	1	0.4	0	311.9	100	100	Pass	Medium	Medium	High	High
Fairfield	5	2.4	0	413.9	100	100	Pass	Medium	Medium	High	Low
Florence	19	1.5	0	312	100	100	Pass	Medium	Medium	High	Medium
Georgetown	8	3	0	534.9	100	100	Pass	Medium	High	High	Low
Greenville	160	7.6	1	327	99.9	100	Pass	Medium	High	Medium	High
Greenwood	11	3.1	0	203.6	100	100	Pass	Low	High	High	High
Hampton	1	0.6	0	528.9	100	100	Pass	Medium	Medium	High	Low
Horry	41	2.4	2	331.7	100	100	Pass	Medium	Medium	High	Medium
Jasper	4	1.8	0	285.4	100	100	Pass	Medium	Medium	High	High
Kershaw	4	1	0	444.4	100	100	Pass	Medium	Medium	High	Low
Lancaster	13	3.1	0	388.4	100	100	Pass	Medium	High	High	Medium
Laurens	4	0.7	0	406.4	100	100	Pass	Medium	Medium	High	Medium
Lee	0	0	0	419.8	100	100	Pass	Medium	Low	High	Medium
Lexington	32	2.5	2	448.7	100	100	Pass	Medium	High	High	Low
Marion	0	0	0	377	100	100	Pass	Medium	Low	High	Medium
Marlboro	6	2.2	0	382.2	100	100	Pass	Medium	Medium	High	Medium
McCormick	0	0	0	234.9	100	100	Pass	Low	Low	High	High
Newberry	2	0.4	0	418.6	100	100	Pass	Medium	Low	High	Medium
Oconee	7	1.2	0	402.8	100	100	Pass	Medium	Medium	High	Medium
Orangeburg	28	5	0	354.8	100	100	Pass	Medium	High	High	Medium
Pickens	4	0.4	0	480.1	99.9	100	Pass	Medium	Medium	Medium	High
Richland	52	2	6	424.6	100	100	Pass	Medium	Medium	High	Low
Saluda	0	0	0	279.1	100	100	Pass	Medium	Low	High	High
Spartanburg	62	3.1	2	375.8	100	100	Pass	Medium	High	High	Medium
Sumter	10	1.2	0	432.7	100	100	Pass	Medium	Medium	High	Medium
Union	0	0	0	487.2	100	100	Pass	Medium	Low	High	Low
Williamsburg	0	0	0	370	100	100	Pass	Medium	Low	High	Medium
York	37	4.1	0	263.8	100	100	Pass	Low	High	High	Medium
Region											
Lowcountry	246	6.2	39	567.7	99.9	99.8	Pass	High	High	Medium	Medium
Midlands	137	2.3	8	395.1	100	100	Pass	Medium	Medium	High	Low
Pee Dee	74	1.5	2	357.6	100	100	Pass	Low	Low	High	Medium
Upstate	235	3.7	4	366.3	99.9	100	Pass	Medium	Medium	Medium	High
State	564	3.4	53	414	99.9	99.9	Pass				

RHEUMATOLOGY

Member / Provider Locations

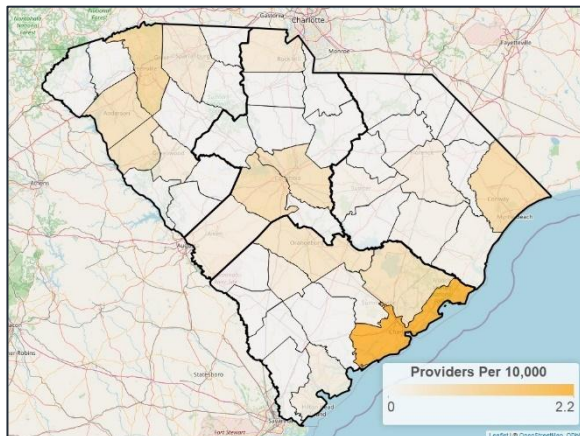


Utilization per 1,000

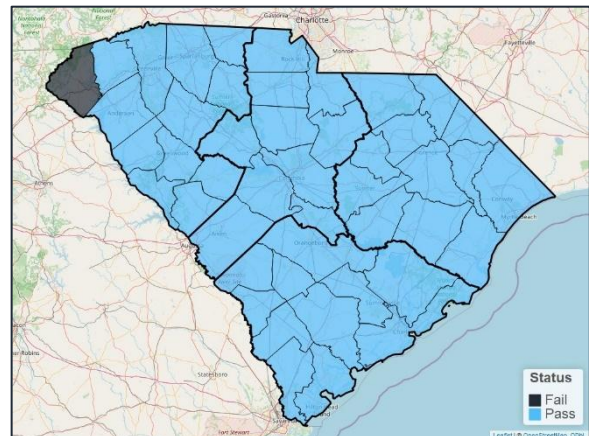


Note: Red pins denote provider locations

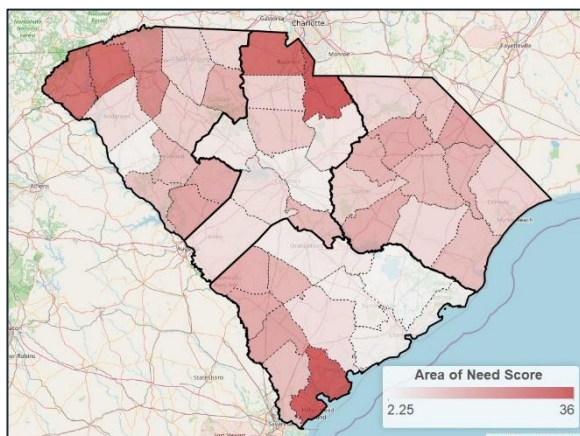
Providers per 10,000



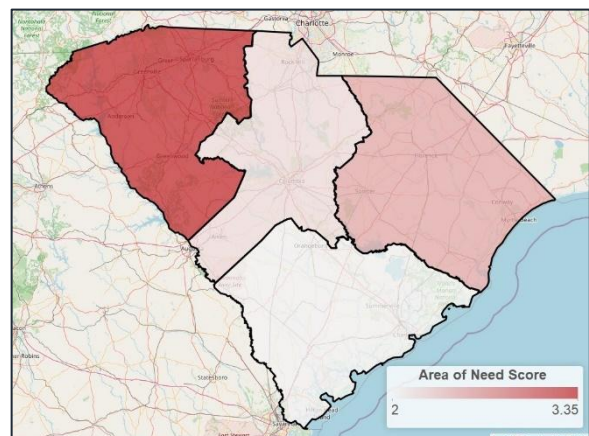
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



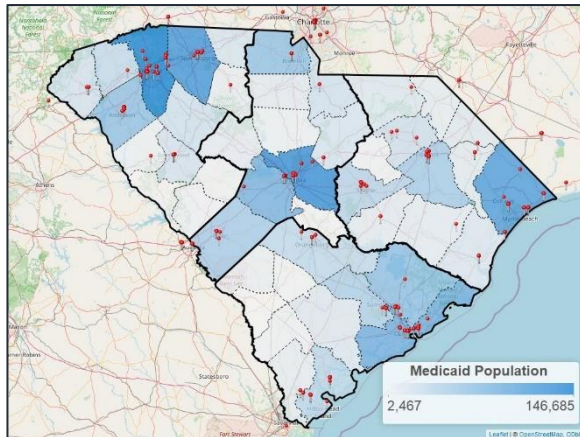
Note: Darker shades indicate greater area of need

FIGURE 31: RHEUMATOLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

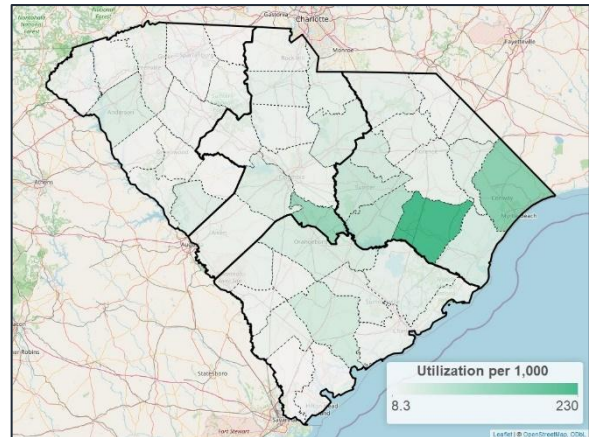
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	1	0.6	0	111.9	100	100	Pass	High	High	High	Low
Aiken	1	0.2	0	77.2	100	100	Pass	High	Medium	High	Low
Allendale	0	0	0	5	100	100	Pass	Low	Low	High	High
Anderson	6	0.6	0	44.5	100	100	Pass	Medium	High	High	Low
Bamberg	1	0.2	0	6.2	100	100	Pass	Medium	Medium	High	Medium
Barnwell	0	0	0	6.6	100	100	Pass	Medium	Low	High	Medium
Beaufort	1	0.2	0	8.8	99.9	99.3	Pass	Medium	High	Medium	High
Berkeley	7	0.6	1	250.2	100	100	Pass	High	High	High	Low
Calhoun	0	0	0	11.6	100	100	Pass	Medium	Low	High	Medium
Charleston	28	2.2	4	95.3	100	100	Pass	High	High	High	Low
Cherokee	0	0	0	46.3	100	100	Pass	Medium	Low	High	Medium
Chester	0	0	0	30.4	100	100	Pass	Medium	Low	High	Medium
Chesterfield	0	0	0	62.5	100	100	Pass	Medium	Low	High	Medium
Clarendon	0	0	0	5.2	100	100	Pass	Low	Low	High	Medium
Colleton	0	0	0	78.2	100	100	Pass	High	Low	High	Low
Darlington	0	0	0	4.5	100	100	Pass	Low	Low	High	High
Dillon	0	0	0	3.4	100	100	Pass	Low	Low	High	High
Dorchester	1	0.1	0	377.3	100	100	Pass	High	Medium	High	Low
Edgefield	0	0	0	4.1	100	100	Pass	Low	Low	High	High
Fairfield	0	0	0	19.1	100	100	Pass	Medium	Low	High	Medium
Florence	3	0.2	0	6.8	100	100	Pass	Medium	Medium	High	Medium
Georgetown	1	0.1	0	12	100	100	Pass	Medium	Medium	High	Medium
Greenville	17	0.9	1	70.6	99.9	99.9	Pass	Medium	High	Medium	High
Greenwood	1	0.2	0	6.9	100	100	Pass	Medium	Medium	High	Medium
Hampton	0	0	0	2.8	100	100	Pass	Low	Low	High	High
Horry	11	0.8	0	18.3	100	100	Pass	Medium	High	High	Medium
Jasper	0	0	0	12.8	100	100	Pass	Medium	Low	High	Medium
Kershaw	0	0	0	109.9	100	100	Pass	High	Low	High	Low
Lancaster	0	0	0	8.9	100	99.3	Pass	Medium	Low	Medium	High
Laurens	0	0	0	27.4	100	100	Pass	Medium	Low	High	Medium
Lee	0	0	0	6.7	100	100	Pass	Medium	Low	High	Medium
Lexington	9	0.7	0	61.7	100	100	Pass	Medium	High	High	Low
Marion	0	0	0	6.7	100	100	Pass	Medium	Low	High	Medium
Marlboro	0	0	0	15.6	100	100	Pass	Medium	Low	High	Medium
McCormick	0	0	0	14.1	100	100	Pass	Medium	Low	High	Medium
Newberry	0	0	0	113.9	100	100	Pass	High	Low	High	Low
Oconee	0	0	0	66.8	92.7	88.4	Fail	Medium	Low	Medium	High
Orangeburg	2	0.5	0	96.4	100	100	Pass	High	High	High	Low
Pickens	0	0	0	18.5	99.9	99.9	Pass	Medium	Low	Medium	High
Richland	12	0.6	1	97.6	100	100	Pass	High	High	High	Low
Saluda	0	0	0	4.6	100	100	Pass	Low	Low	High	High
Spartanburg	6	0.3	0	23.4	100	100	Pass	Medium	High	High	Medium
Sumter	1	0.1	0	20.3	100	100	Pass	Medium	Medium	High	Medium
Union	0	0	0	6	100	100	Pass	Low	Low	High	Medium
Williamsburg	1	0.1	0	64.4	100	100	Pass	Medium	Medium	High	Medium
York	2	0.3	1	14.8	99.9	99.9	Pass	Medium	High	Medium	High
Region											
Lowcountry	34	0.8	5	145.4	99.9	99.9	Pass	High	High	Medium	Low
Midlands	22	0.4	2	65.9	99.9	99.9	Pass	Medium	Medium	Medium	Medium
Pee Dee	13	0.3	0	17.6	100	100	Pass	Low	Low	High	Medium
Upstate	26	0.4	1	42.3	99.6	99.4	Pass	Medium	Medium	Medium	High
State	80	0.5	8	64.5	99.9	99.8	Pass				

UROLOGY

Member / Provider Locations

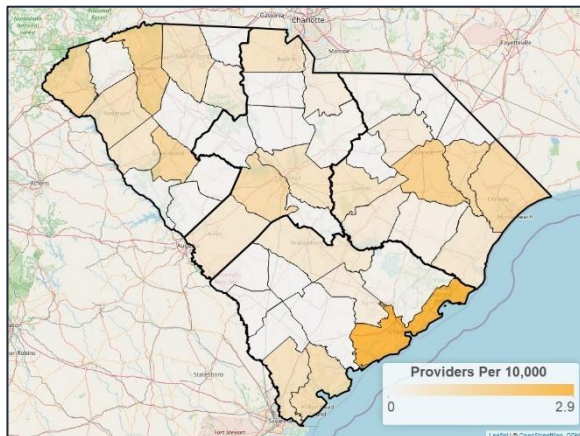


Utilization per 1,000

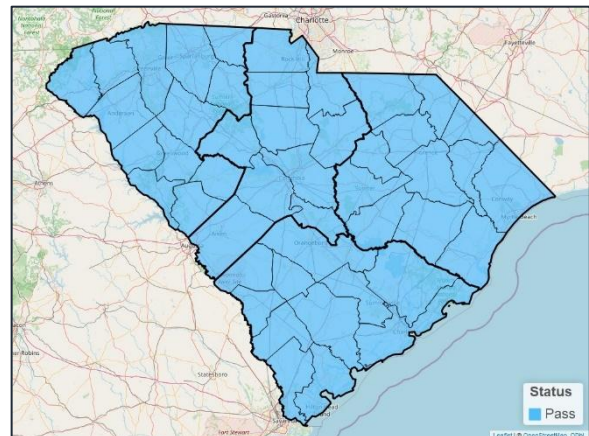


Note: Red pins denote provider locations

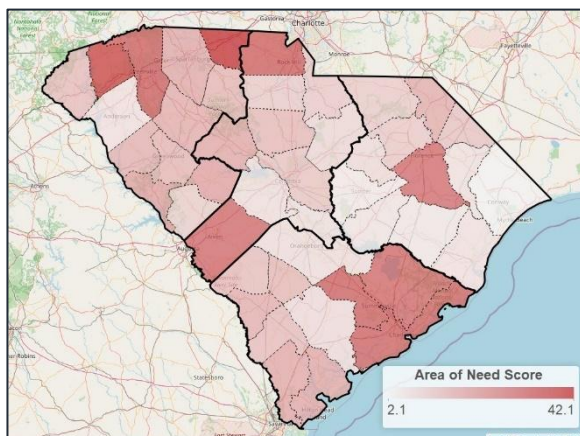
Providers per 10,000



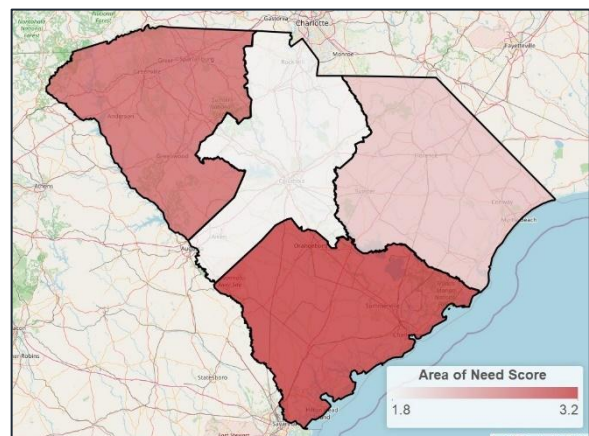
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



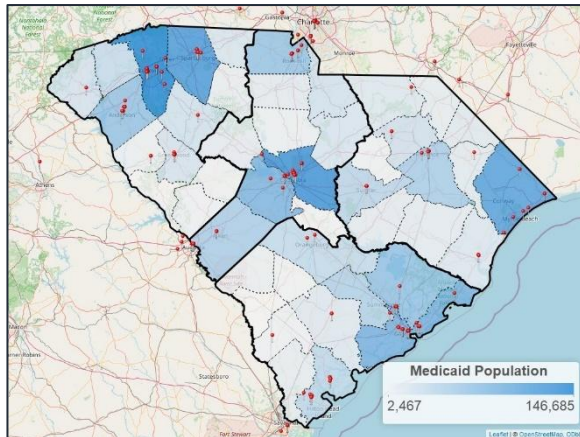
Note: Darker shades indicate greater area of need

FIGURE 32: UROLOGY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

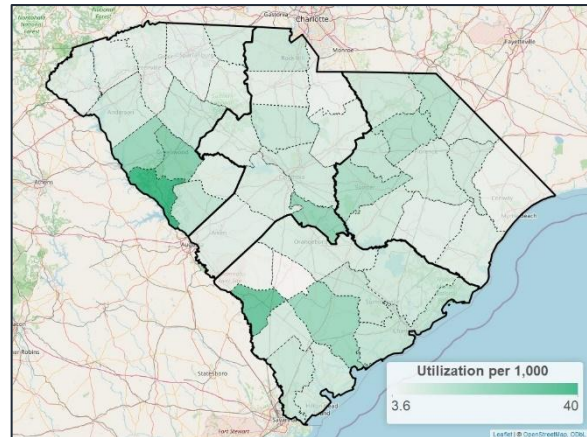
County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Area of Need Rank
Abbeville	1	0.6	0	12.9	100	100	Pass	Medium	Medium	High	Medium
Aiken	4	0.5	0	19.3	100	99.9	Pass	Medium	Medium	Medium	High
Allendale	0	0	0	14.3	100	100	Pass	Medium	Low	High	Medium
Anderson	9	0.8	0	34.4	100	100	Pass	Medium	High	High	Low
Bamberg	0	0	0	16.5	100	100	Pass	Medium	Low	High	Medium
Barnwell	0	0	0	21.7	100	100	Pass	Medium	Low	High	Medium
Beaufort	7	1	3	9.2	100	100	Pass	Low	High	High	Medium
Berkeley	1	0.1	0	24.7	100	99.9	Pass	Medium	Medium	Medium	High
Calhoun	0	0	0	119	100	100	Pass	High	Low	High	Low
Charleston	36	2.9	19	15.5	99.6	99.6	Pass	Medium	High	Medium	High
Cherokee	0	0	0	8.3	100	99.5	Pass	Low	Low	Medium	High
Chester	0	0	0	26.4	100	100	Pass	Medium	Low	High	Medium
Chesterfield	1	0.1	0	24.7	100	100	Pass	Medium	Medium	High	Medium
Clarendon	1	0.4	0	83.8	100	100	Pass	High	Medium	High	Low
Colleton	0	0	0	48.5	100	100	Pass	Medium	Low	High	Low
Darlington	3	0.4	0	22.7	100	100	Pass	Medium	Medium	High	Medium
Dillon	0	0	0	22.9	100	100	Pass	Medium	Low	High	Medium
Dorchester	4	0.3	0	24.4	99.9	94.2	Pass	Medium	Medium	Medium	High
Edgefield	0	0	0	32.7	100	100	Pass	Medium	Low	High	Medium
Fairfield	0	0	0	17.9	100	100	Pass	Medium	Low	High	Medium
Florence	13	1.6	0	22.7	99.8	96.5	Pass	Medium	High	Medium	High
Georgetown	2	0.5	0	44.5	100	100	Pass	Medium	Medium	High	Low
Greenville	27	1.5	0	12.8	99.9	100	Pass	Medium	High	Medium	High
Greenwood	4	1.3	0	12	100	100	Pass	Medium	High	High	Medium
Hampton	0	0	0	19.7	100	100	Pass	Medium	Low	High	Medium
Horry	19	1.2	2	144.5	100	100	Pass	High	High	High	Low
Jasper	1	0.8	1	9.6	100	100	Pass	Low	High	High	Medium
Kershaw	1	0.1	0	36.4	100	100	Pass	Medium	Medium	High	Medium
Lancaster	2	0.3	0	23.6	100	100	Pass	Medium	Medium	High	Medium
Laurens	0	0	0	13.4	100	100	Pass	Medium	Low	High	Medium
Lee	0	0	0	44.9	100	100	Pass	Medium	Low	High	Low
Lexington	14	1.1	0	33	100	100	Pass	Medium	High	High	Low
Marion	4	1.2	0	34.1	100	100	Pass	Medium	High	High	Low
Marlboro	0	0	0	13.8	100	100	Pass	Medium	Low	High	Medium
McCormick	0	0	0	11.5	100	100	Pass	Medium	Low	High	High
Newberry	0	0	0	13	100	100	Pass	Medium	Low	High	High
Oconee	5	1.3	0	13.2	100	100	Pass	Medium	High	High	Medium
Orangeburg	3	0.5	1	39.6	100	100	Pass	Medium	Medium	High	Low
Pickens	1	0.1	0	10.6	99.9	100	Pass	Low	Medium	Medium	High
Richland	13	0.7	0	19	100	100	Pass	Medium	Medium	High	Medium
Saluda	0	0	0	11.7	100	100	Pass	Medium	Low	High	High
Spartanburg	10	0.7	0	10.1	100	100	Pass	Low	High	High	Medium
Sumter	4	0.7	0	62.8	100	100	Pass	High	Medium	High	Low
Union	1	0.3	0	14.9	100	100	Pass	Medium	Medium	High	Medium
Williamsburg	1	0.2	0	229.6	100	100	Pass	High	Medium	High	Low
York	5	0.7	0	15.3	99.9	99.9	Pass	Medium	Medium	Medium	High
Region											
Lowcountry	43	1	24	22.3	99.9	99	Pass	Medium	High	Medium	High
Midlands	32	0.6	0	23.7	99.9	99.9	Pass	Medium	Low	Medium	Low
Pee Dee	38	0.9	2	78.6	99.9	99.5	Pass	High	Medium	Medium	Medium
Upstate	52	0.9	0	15.1	99.9	99.9	Pass	Low	Medium	Medium	Medium
State	140	0.8	26	32.9	99.9	99.7	Pass				

VASCULAR SURGERY

Member / Provider Locations

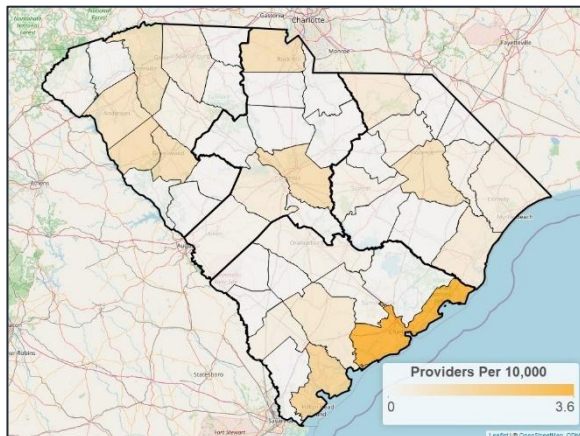


Utilization per 1,000

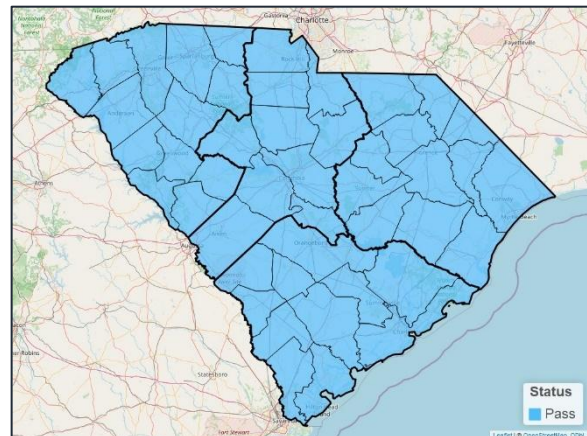


Note: Red pins denote provider locations

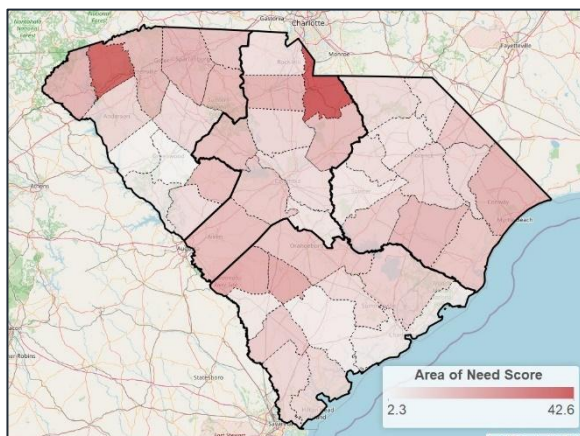
Providers per 10,000



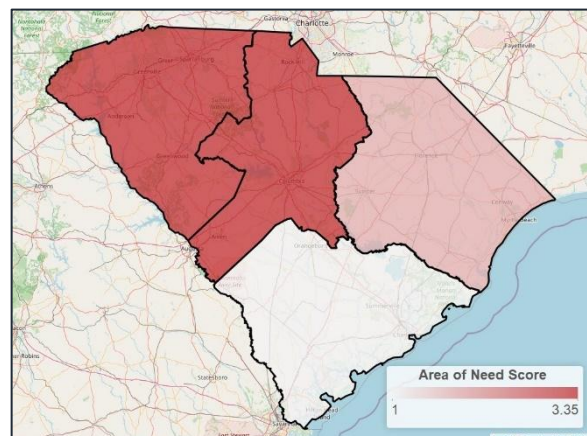
Network Adequacy – Pass / Fail



Level of Need by Area – County



Level of Need by Area – Regional



Note: Darker shades indicate greater area of need

FIGURE 33: VASCULAR SURGERY ADEQUACY / UTILIZATION BY COUNTY, REGION, AND STATE

County	Number of Unique Providers	Providers Per 10,000	Number of Additional Providers	Utilization Per 1,000	Time (%)	Distance (%)	Access Status	Utilization Per 1,000 Rank	Providers Per 10,000 Rank	Access Rank	Level of Need by Area
Abbeville	1	1.2	0	21.8	100	100	Pass	High	High	High	Low
Aiken	2	0.1	0	7.6	100	100	Pass	Medium	Medium	High	Medium
Allendale	0	0	0	31.9	100	100	Pass	High	Low	High	Low
Anderson	9	0.9	0	10	100	100	Pass	Medium	High	High	Medium
Bamberg	0	0	0	3.6	100	100	Pass	Low	Low	High	High
Barnwell	0	0	0	5.3	100	100	Pass	Low	Low	High	High
Beaufort	8	1.7	0	9.9	100	100	Pass	Medium	High	High	Medium
Berkeley	1	0	1	10.4	100	100	Pass	Medium	Medium	High	Medium
Calhoun	0	0	1	22.8	100	100	Pass	High	Low	High	Low
Charleston	39	3.6	18	12.9	100	100	Pass	Medium	High	High	Low
Cherokee	0	0	0	9.2	100	100	Pass	Medium	Low	High	Medium
Chester	0	0	0	6.8	100	100	Pass	Medium	Low	High	High
Chesterfield	1	0.5	0	11	100	100	Pass	Medium	High	High	Medium
Clarendon	0	0	0	10.1	100	100	Pass	Medium	Low	High	Medium
Colleton	2	0.6	0	21	100	100	Pass	High	High	High	Low
Darlington	1	0.2	0	16.8	100	100	Pass	Medium	Medium	High	Low
Dillon	0	0	0	9.5	100	100	Pass	Medium	Low	High	Medium
Dorchester	1	0.1	0	12.6	100	100	Pass	Medium	Medium	High	Medium
Edgefield	0	0	0	13.5	100	100	Pass	Medium	Low	High	Low
Fairfield	0	0	0	12.3	100	100	Pass	Medium	Low	High	Medium
Florence	8	1	0	9.9	100	100	Pass	Medium	High	High	Medium
Georgetown	2	0.5	0	7.7	100	100	Pass	Medium	High	High	Medium
Greenville	16	0.9	2	6.6	100	100	Pass	Medium	High	High	High
Greenwood	5	1.1	0	25.9	100	100	Pass	High	High	High	Low
Hampton	1	0.3	0	9.4	100	100	Pass	Medium	Medium	High	Medium
Horry	5	0.3	0	5.2	100	100	Pass	Low	Medium	High	High
Jasper	0	0	0	12.3	100	100	Pass	Medium	Low	High	Medium
Kershaw	0	0	0	7.7	100	100	Pass	Medium	Low	High	High
Lancaster	0	0	0	5.1	100	99.4	Pass	Low	Low	Medium	High
Laurens	1	0.2	0	12	100	100	Pass	Medium	Medium	High	Medium
Lee	0	0	0	13.3	100	100	Pass	Medium	Low	High	Medium
Lexington	5	0.4	0	8.6	100	100	Pass	Medium	Medium	High	Medium
Marion	1	0.2	0	10.7	100	100	Pass	Medium	Medium	High	Medium
Marlboro	0	0	0	15.7	100	100	Pass	Medium	Low	High	Low
McCormick	0	0	0	40	100	100	Pass	High	Low	High	Low
Newberry	0	0	0	8.4	100	100	Pass	Medium	Low	High	Medium
Oconee	1	0.1	0	6.8	100	100	Pass	Medium	Medium	High	High
Orangeburg	2	0.2	0	8.8	100	100	Pass	Medium	Medium	High	Medium
Pickens	0	0	0	6.9	99.9	100	Pass	Medium	Low	Medium	High
Richland	20	1.2	0	10.5	100	100	Pass	Medium	High	High	Medium
Saluda	0	0	0	8.3	100	100	Pass	Medium	Low	High	Medium
Spartanburg	8	0.4	0	6.6	100	100	Pass	Medium	Medium	High	High
Sumter	2	0.2	0	17.6	100	100	Pass	High	Medium	High	Low
Union	0	0	0	7.4	100	100	Pass	Medium	Low	High	High
Williamsburg	0	0	0	7.1	100	100	Pass	Medium	Low	High	High
York	8	1.1	0	11.5	100	100	Pass	Medium	High	High	Low
Region											
Lowcountry	49	1.2	19	11.7	100	100	Pass	High	High	High	Low
Midlands	34	0.6	1	9.5	100	99.9	Pass	Medium	Medium	Medium	High
Pee Dee	19	0.4	0	10	100	100	Pass	Medium	Low	High	Medium
Upstate	34	0.5	2	9	99.9	100	Pass	Low	Medium	Medium	High
State	112	0.7	22	9.9	99.9	99.9	Pass				

V. Limitations

This report has been prepared for the South Carolina Department of Health and Human Services (SCDHHS). It is our understanding that this information contained in this letter will be shared with hospitals participating in the SC Medicaid network and may be shared as a public resource on SCDHHS's website. Milliman does not intend to benefit, and assumes no duty or liability to other parties who receive this work. To the extent that the information contained in this report is provided to third parties, the report should be distributed in its entirety. Milliman recommends the user of this information possesses or be advised by professionals with expertise in health care modeling so as not to misinterpret the information presented.

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The analysis developed in this report relies on publicly available access and adequacy compliance standards. However, it is not the purpose of this report to assess compliance with network access and adequacy standards and the results of this report should not be interpreted as measures of compliance with state or federal access and adequacy standards.

In preparing this report, Milliman relied on several sources of data from the participating managed care organizations, SCDHHS, and public and private provider data sources to inform the geographic locations and specialties of providers. While efforts have been made to identify reliable provider data sources, provider locations and practice patterns may shift at any time and as such the geographic location and specialty designations established for this analysis may not be representative of the most current status for each provider location. This analysis is intended to represent performance within SFY 2024 and may not be relied upon to estimate future changes in physician supply needs. We have not audited any of the data sources or other information, but we did assess the information for reasonableness. If the underlying data or information is inaccurate or incomplete, the results may likewise be inaccurate or incomplete.

Milliman has developed certain models to estimate the values included in this report. The intent of the models was to evaluate access and adequacy of 27 specialties within the SFY 2024 SC Medicaid provider network landscape. We have reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP). The models, including all input, calculations, and output, may not be appropriate for any other purpose.

The results of this report are technical in nature and are dependent upon specific assumptions and methods. No party should rely on these results without a thorough understanding of those assumptions and methods. Such an understanding may require consultation with qualified professionals.

Guidelines issued by the American Academy of Actuaries require actuaries to include their professional qualifications in all actuarial communications. Carmen Laudenschlager is a member of the American Academy of Actuaries and meets the qualification standards for performing the analyses in this report.

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