

Telehealth in South Carolina



Presenter Disclosures

James McElligott

The following relationships with commercial interests related to this presentation existed during the past 12 months:

No relationships to disclose



Objectives

The learner will

- › Be able to articulate the current state of development of telehealth in South Carolina
- › Have an understanding of the most common forms of telehealth in use in the State
- › Be able to discuss the value of various applications of telehealth
- › Have an understanding of payment innovations that enable telehealth

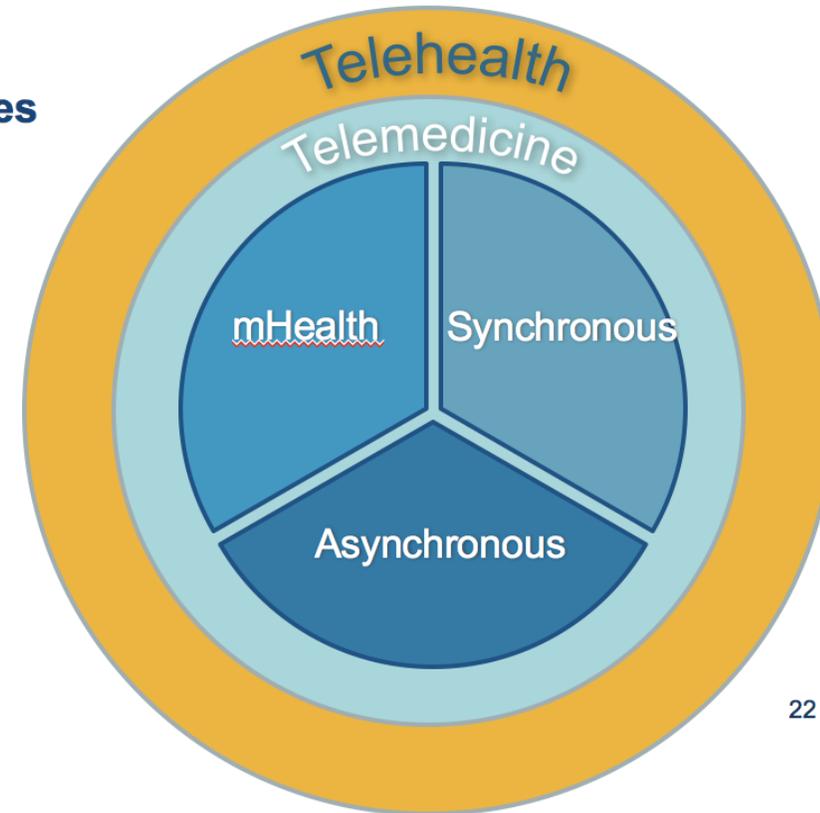


Telehealth Overview

Telemedicine: Categories & Examples

Telehealth includes:

- Practice of medicine at a distance (Telemedicine)
- Distance health education
- Distance public health interventions
- Distance health administration

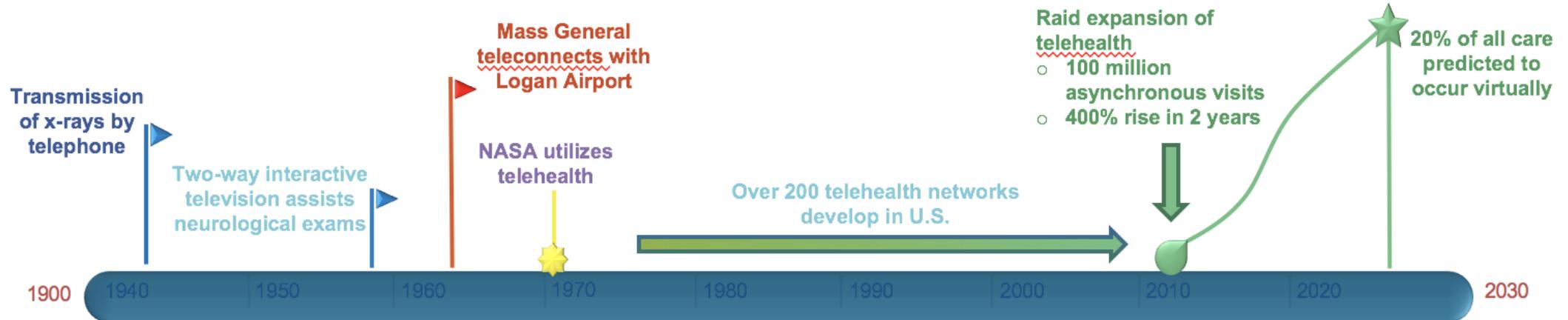


22



Telemedicine: History & Future

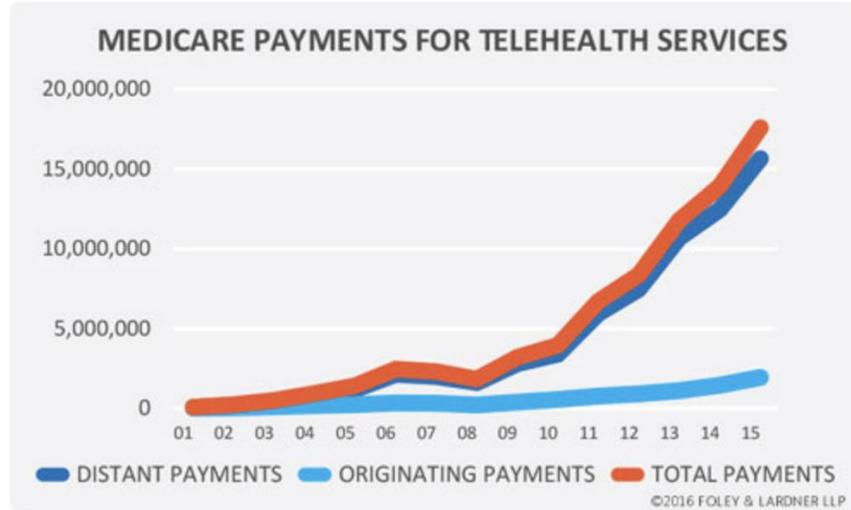
- Telemedicine is not a new concept, and in recent years its use has grown exponentially.
- Over the next decade, virtual forms of care are expected to become commonplace.
- Telemedicine is now a multibillion dollar market.



Sources: Institute of Medicine (US) Committee on Evaluating Clinical Applications of Telemedicine; Field MJ, editor. Telemedicine: A Guide to Assessing Telecommunications in Health Care. Washington (DC): National Academies Press (US); 1996. 2, Evolution and Current Applications of Telemedicine. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK45445> & <http://www2.deloitte.com/content/dam/Deloitte/global/Documents/Technology-Media-Telecommunications/gx-tmt-2014predictionvisits.pdf>; "Virtual Health: Aligning Solutions With Enterprise-Wide Priorities" by SG2 Intelligence, 2014

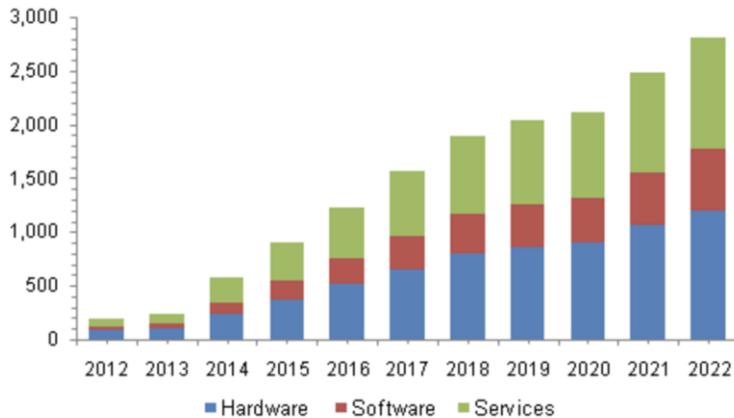


National Trends in Telehealth



The global market is projected to reach over \$9 billion

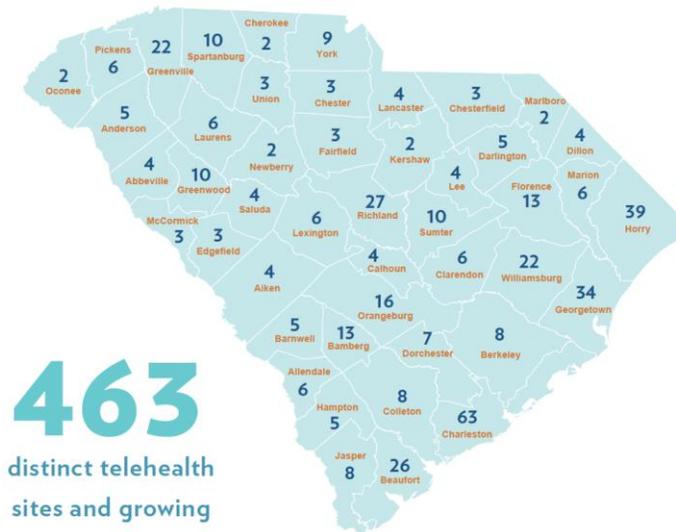
U.S. telehealth market, by product, 2012-2022 (USD Million)



Telehealth in South Carolina



SOUTH CAROLINA
Telehealth
ALLIANCE



The Mission

*Improve the health of all South Carolinians through Telehealth
(South Carolina Telehealth Alliance)*

*Telehealth for efficient, effective care
(Center for Telehealth)*

1. Deploy a coordinated, open-access telehealth network in South Carolina.

In 2018, IT personnel from different SCTA organizations will implement systems to coordinate telehealth implementation and technical support provided to over 400 sites.

2. Understand & effectively respond to the health needs of SC citizens with an emphasis on those living in underserved & rural areas.

Led by Palmetto Care Connections, the SCTA will continue its focus on increasing broadband connectivity and expanding telehealth in South Carolina's rural communities.

3. Build and scale telehealth clinical services and programs that expand access to care.

In 2018, the SCTA regional hubs will be developing telehealth services that expand specialty support to community hospitals, primary care clinics, and non-traditional clinical settings as well as services that allow patients on-demand, direct access to providers.

4. Broaden mental health and addictive disease telehealth clinical services and programs to increase access to care.

Spearheaded by the SC Department of Mental Health, the SCTA has taken up a new strategy for 2018 focused on coordinating and expanding statewide telehealth efforts that address mental health and addictive disease.

5. Conduct statewide education, training, and promotion to providers and the public to accelerate and spread adoption of telehealth.

The SCTA will continue its commitment to telehealth education, focusing on both current health care professionals as well as trainees in health care programs

6. Develop a telehealth organization structure that encourages and facilitates statewide collaboration among providers in the delivery of health care, education, & research.

As the SCTA matures, it remains committed to ensuring all its statewide stakeholders have opportunities to participate in the shaping the SCTA's telehealth initiatives.

7. Establish the value case for telehealth through robust assessment and rigorous analysis of telehealth outcomes.

In 2018, the SCTA will be taking up a new strategy focused on developing the means to produce short- and long-term outcomes that demonstrate the value of telehealth.

8. Demonstrate to legislators, payers, providers, and the public the impact of telehealth on improving access, quality, and affordability.

The SCTA will continue its work engaging payers to improve telehealth reimbursement policies. Additionally, under the leadership of SCETV, the SCTA will continue its successful MyTelehealth campaign, which showcases how telehealth positively impacts the lives of South Carolinians.



Telehealth Overview

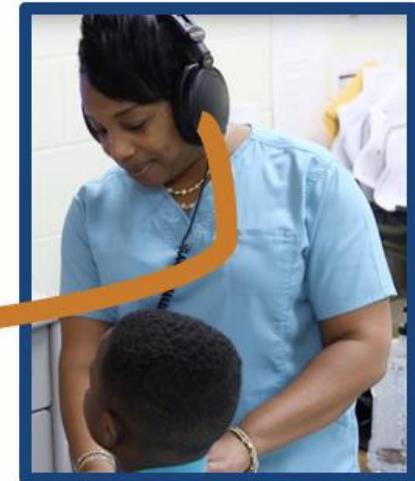
Synchronous, Cart-Based Consultation



Exam Camera:
Eyes, Ears, Nose, Mouth, Skin



In School: Student, Nurses



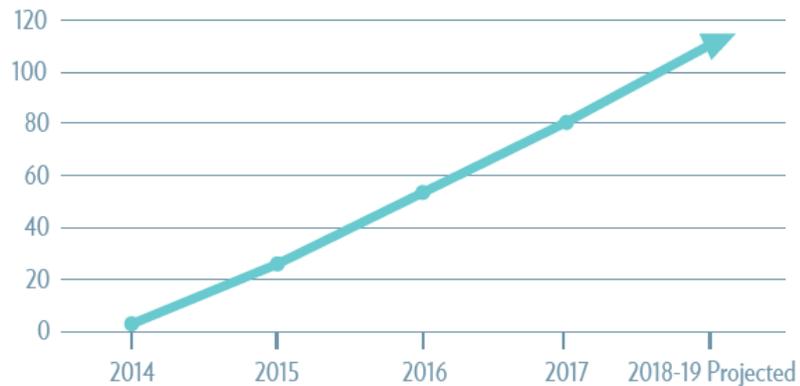
Electronic Stethoscope:
Heart & Lung Sounds



South Carolina's School-Based Telehealth program is one of the fastest growing school-based telehealth networks in the nation

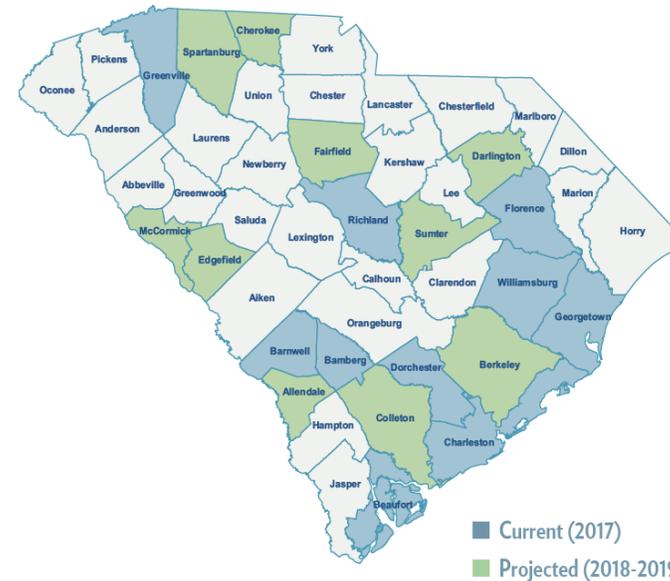
Number of South Carolina schools with telehealth capability*

The program has more than doubled its consult volume in each of the last 3 years.



Counties with School-Based Telehealth

In 2017 the program expanded to 20 new schools and into 3 new counties.

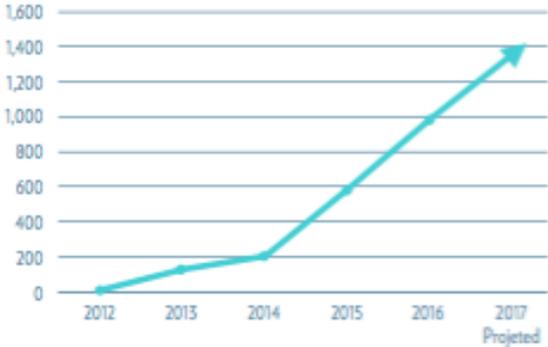


Supporting Community Practices with Co-management in the Medical Home

MUSC Health's Virtual Telehealth Consultation

The MUSC Health's Virtual Telehealth Consultation (VTC) service collaborates with primary care providers to bring specialty care into the setting of the patient centered medical home.

MUSC Health's Annual Number of Outpatient Consultations through the VTC Service

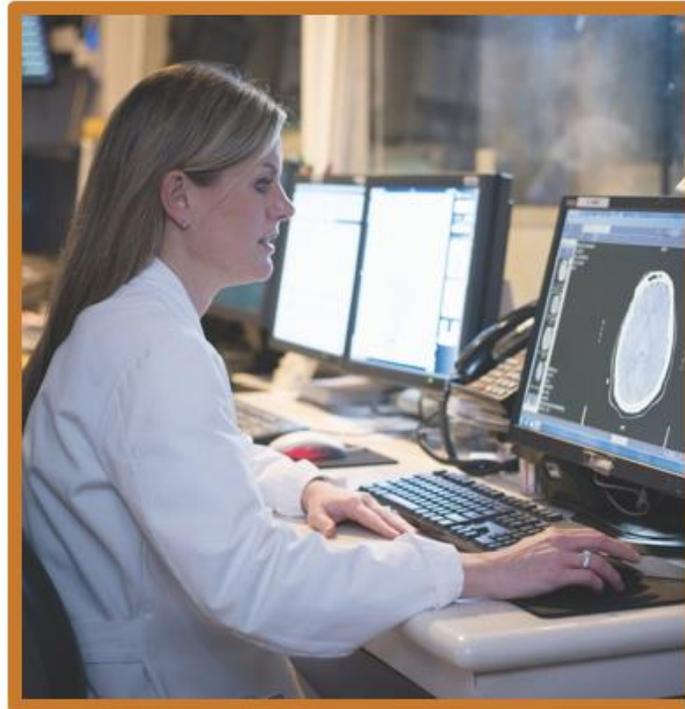


MUSC Health's VTC Service - Number of Connected Partners

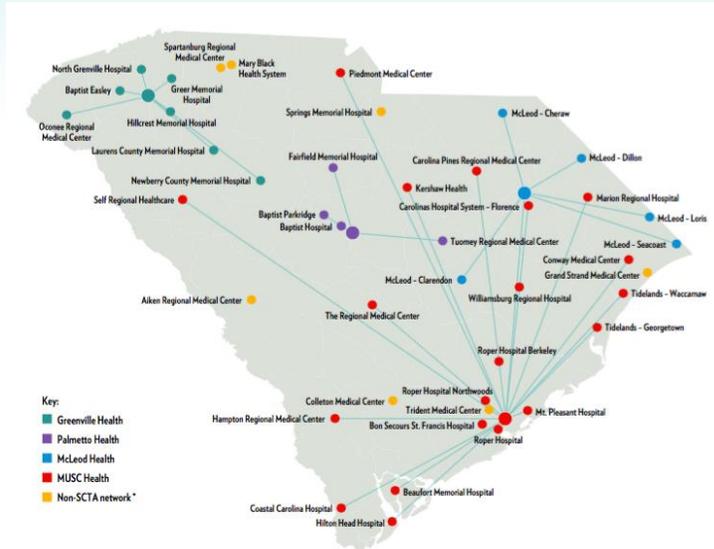


Telehealth Overview

Synchronous, cart-based and software enabled consultation

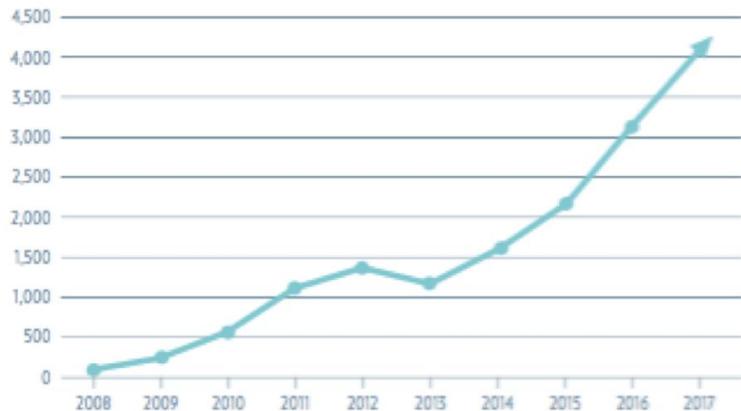


Telestroke

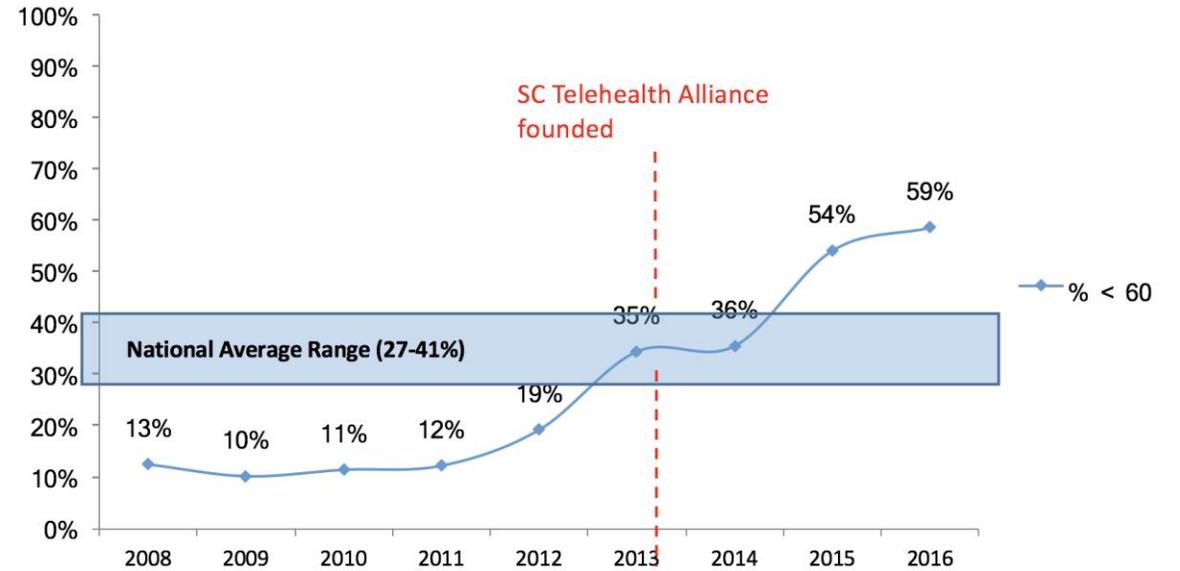


Telestroke Consults by Year

Greenville Health System, MUSC Health, Palmetto Health, Roper St. Francis



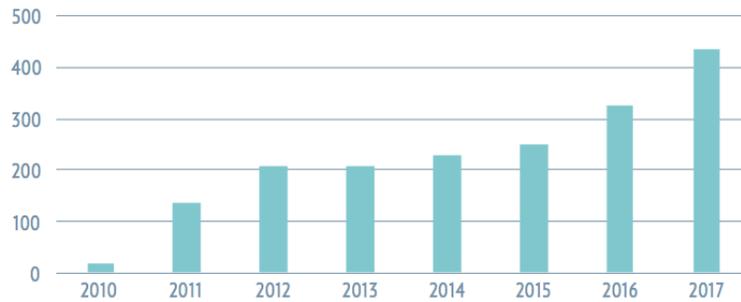
Percentage of patients with DTN ≤ 60



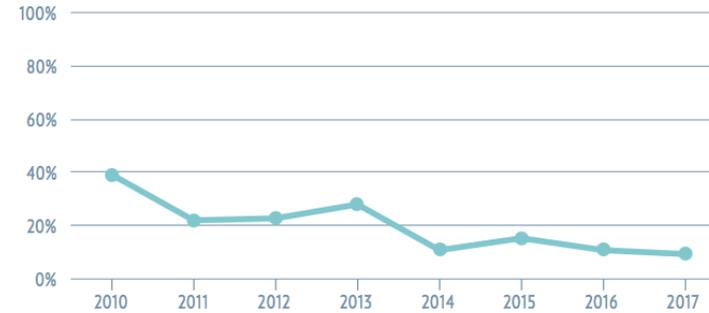
Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4128738/>

Telestroke

Number of Consultations by McLeod Health



Percentage of Patients Transferred to MUSC from McLeod Health



85% telestroke patients remain in their community for treatment

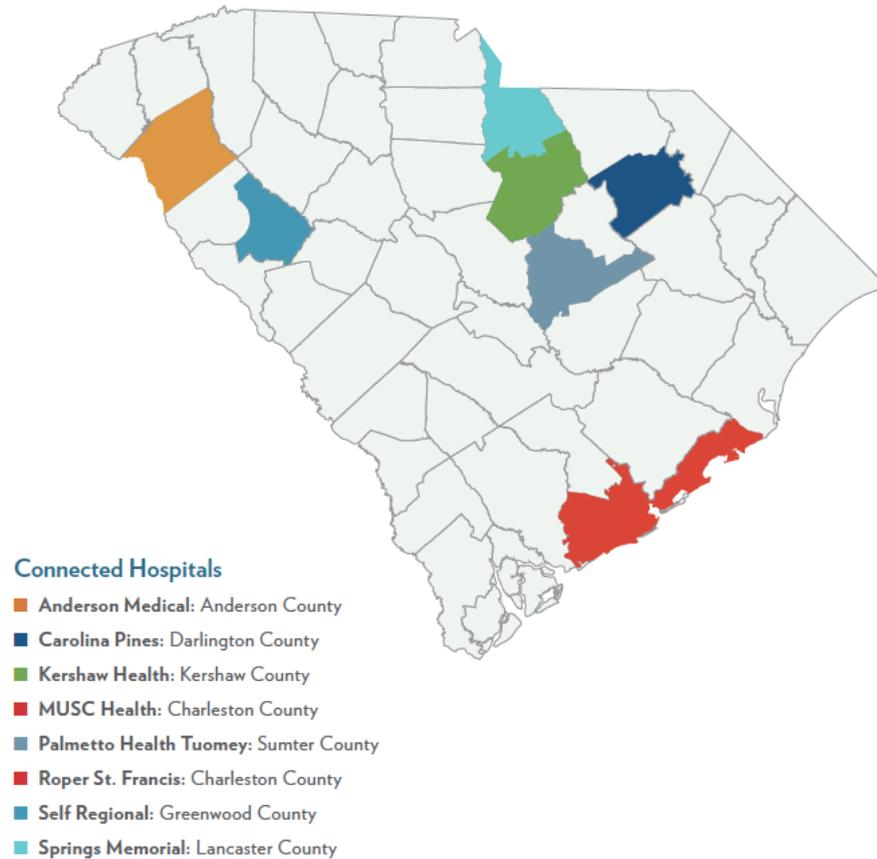


Telehealth Overview

Synchronous, in-hospital 24/7 monitoring



Tele-ICU Monitoring Continues to Expand Across South Carolina



9,683
SC patients monitored

166
lives were potentially saved!*

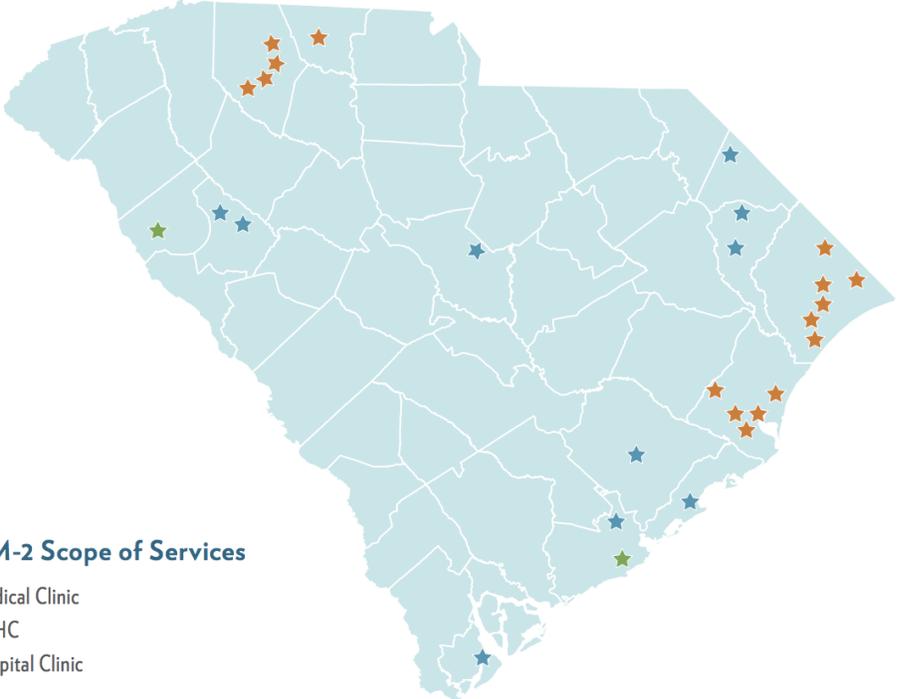


Telehealth Overview

Asynchronous and mHealth Remote Patient Monitoring



Technology Assisted Case Management (TACM-2) Program for Diabetes

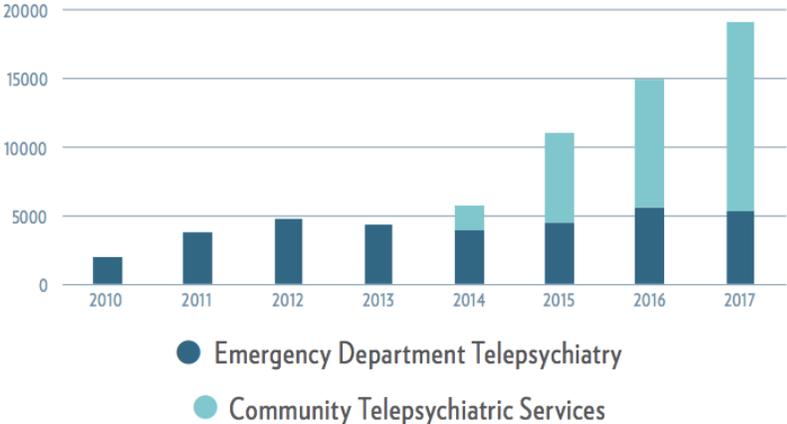


Department of Mental Health

5,860

ED comprehensive evaluations in 2017

Growth in SCDMH Telepsychiatry Services



\$3,320

Overall medical savings per episode of care



Direct to Patient

Total Number of SmartExams* and E-Visits where Patient Received Care**
 Greenville Health System, McLeod Health, MUSC Health, and Palmetto Health



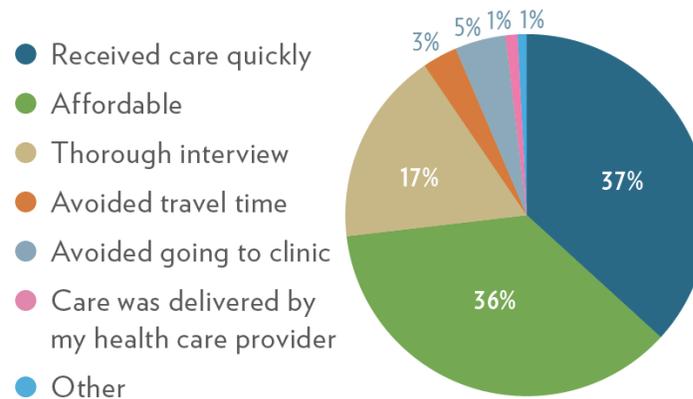
* Greenville Health System and Palmetto Health use the same DTC solution called SmartExam.

**McLeod Health & MUSC Health use different DTC solutions, but both refer to their solutions as E-Visits.

6,364
 SmartExams/E-Visits conducted since these DTC programs began

What Patients Value Most about SmartExam*

*Based on GHS and Palmetto Health data



Reimbursement Innovation

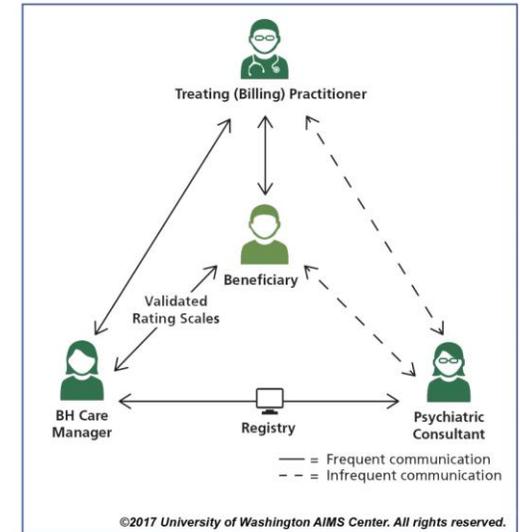
“Classic” telehealth Restriction Relief

Remote Patient Monitoring

Virtual Check-Ins

Multidisciplinary Care Team Payment Models

- › Behavioral Health Integration Services



What's to Come?

“In My Day.....”

