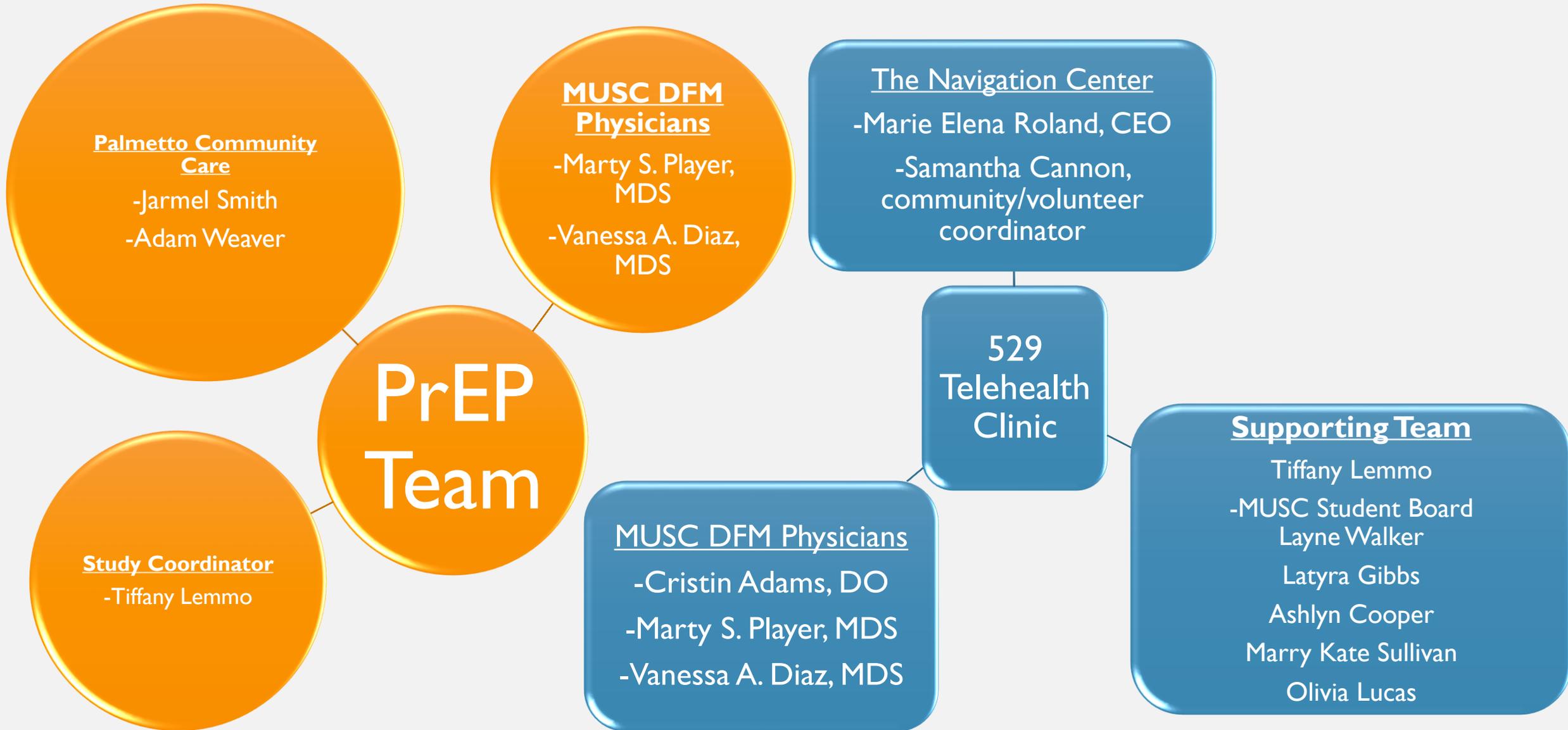


Using Telehealth to Improve Collaboration and Impact when Treating Underserved Populations



TEAM & PROGRAMS



PREP BACKGROUND

- South Carolina currently ranks 7th in the nation for persons living with HIV
 - 14.3 people for every 100,000
 - Many rural SC counties at as many as 600-800 per 100,000
- Pre-Exposure Prophylaxis (PrEP) medication reduces the probability of HIV transmission for those at high risk
- PrEP availability and access in SC is limited
 - Few facilities and prescribing providers
- Telehealth is a promising approach to help those who would most benefit from PrEP to be connected with PrEP prescribing providers

METHODS

Palmetto Community Care Collaboration

- Recruitment
- Recurring lab work

Surveys

- Initial survey: Technology use comfort and PHQ-8
- Final Survey: Satisfaction

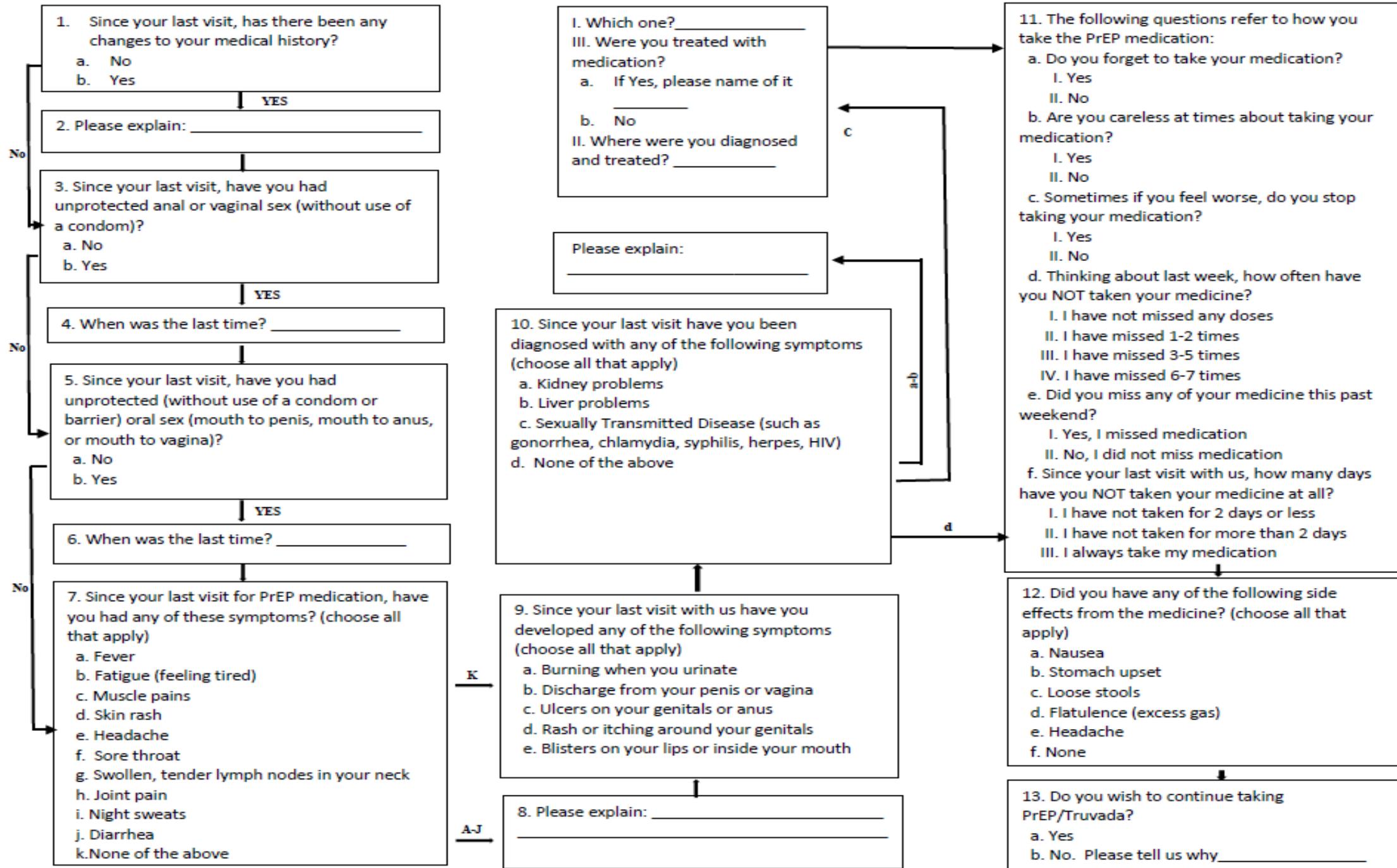
Telehealth: E-visits and Video Visits

- 4 Electronic visit questionnaires between video visits
- Video visits: beginning, 3 months, and 6 months

Data Analysis

- Chi square: missed doses compared to age, education, impulsivity, and PHQ-8 scores

PrEP Evisit



Screening

Initial Labs



Survey 1



Video Visit 1

E-visit 1

E-visit 2

3 month follow up labs



Video Visit 2

E-visit 3

E-visit 4

3 month follow up labs



Video Visit 3

Final Survey

Continuation Plan

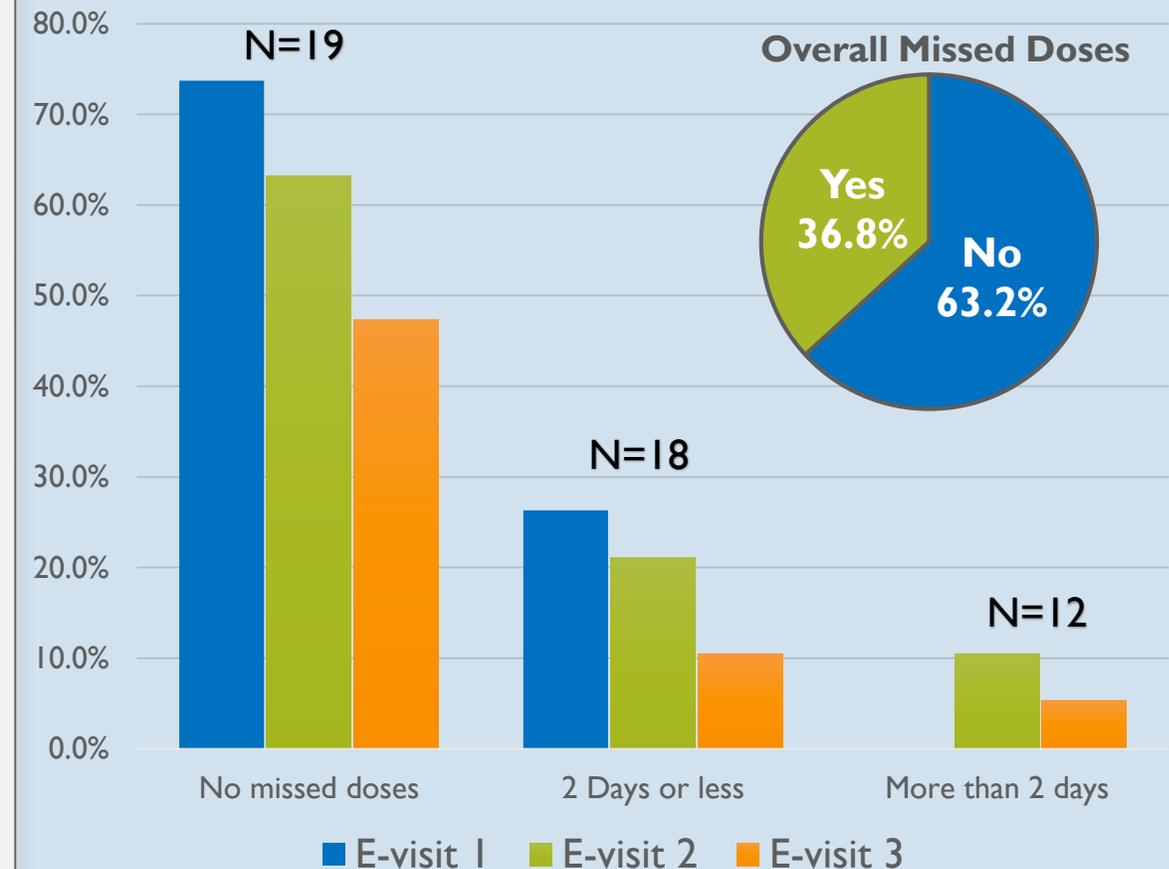


DEMOGRAPHICS AND MEDICATION ADHERENCE

Demographics (n= 19)

Age	19-63 years	35.42 average	
Race	White 94.7%	African American 5.3%	
Education	High school diploma/GED 15.8%	Tech. school or some college 26.3%	College graduate or post-grad 57.9%
Impulsivity Score	Low-moderate 63.2%	Moderate-high 36.8%	
PHQ-8 Score	Minimal 42.1%	Mild 31.6%	Moderate 26.3%

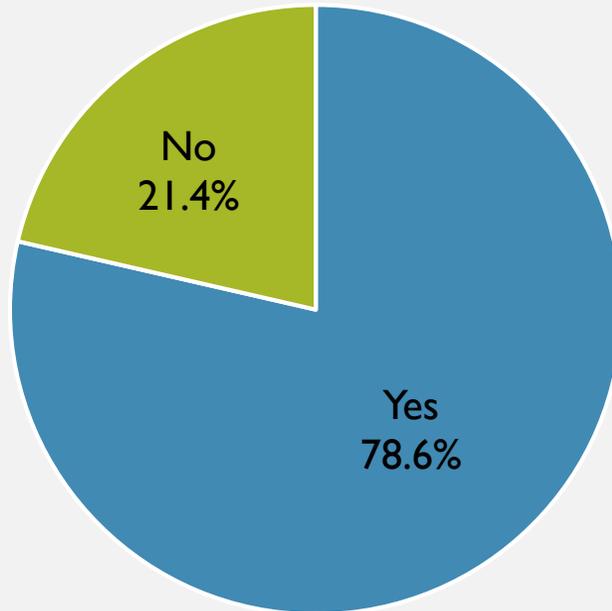
Medication Adherence



AND SATISFACTION

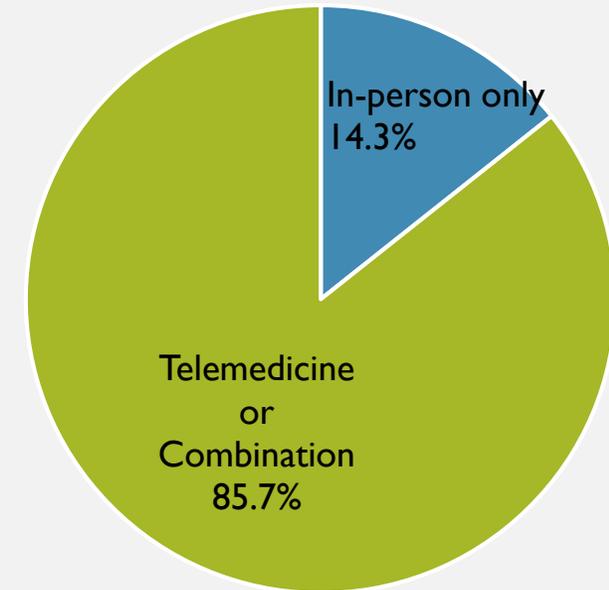
SATISFACTION SURVEY (n=14)

Likely to Use Service Again



- 100% reported they would recommend telehealth to others for PrEP therapy

Preferred Method for PrEP



529 CLINIC BACKGROUND

- Homelessness effects more than 2 million people in the US each year
- Nearly 4,000 South Carolinians homeless each night
- The Navigation Center is a resource center for those experiencing hardship. Services include:
 - Job readiness training
 - Housing
 - Educational/ financial management/life skills programs... and more
- Community partnership between MUSC through CARES 529 Meeting Street Medical Clinic and the 529 Meeting Street Navigation Center
 - Provide non-emergent medical care to individuals suffering from housing instability
 - Comprised of medical residents, medical students, nurse practitioner students supervised by an attending physician



529 WORK FLOW

- Patients are evaluated for need by staff
- Scheduled to come in at either telehealth or in-person clinic times

Navigation Center

Telehealth Clinic

- Volunteers prepare patient for exam
- Act as hands of doctor using telehealth tools
- Doctor calls in prescriptions
- Student board arranges referral and follow up scheduling

Navigation Center and Cares 529 Meeting Clinic

In-person Clinic

- MUSC sends referrals to Marie and Samantha, who:
 - Arrange transport for patient referrals
 - Collect prescriptions

- Patients are seen by a resident physician of MUSC on site at the CARES 529 Meeting Clinic

CARES 529 MEETING CLINIC

Treatment Services Available

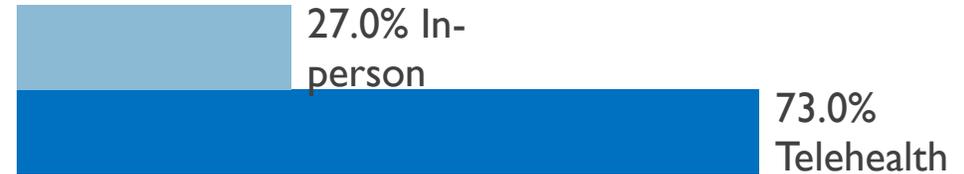
- Allergies
- Blood pressure check/high blood pressure
- Blood sugar check/diabetes (subject to availability of testing supplies)
- Cold, Sinus Infection, or Influenza
- Common Female Infections
- Ear pain
- General health advice and counseling
- Headache
- Injuries
- Joint and muscle pain
- Medication Refills (medication dependent)
- Mouth Sores
- Pink eye
- Skin and nail problems
- Smoking Cessation
- Stomach pain



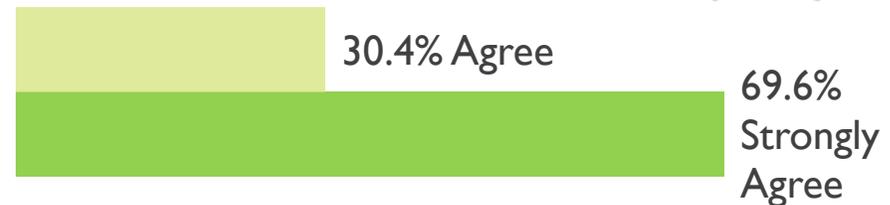
SURVEY OF CLINICIANS

- 73% of all patients were seen via telehealth
- 100% agree communication was adequate
- 80.5% agreed the visit would not have been better in person
- 63% of visits resulted in a follow up ordered, 37% of follow ups were ordered for telehealth

Type of Visit



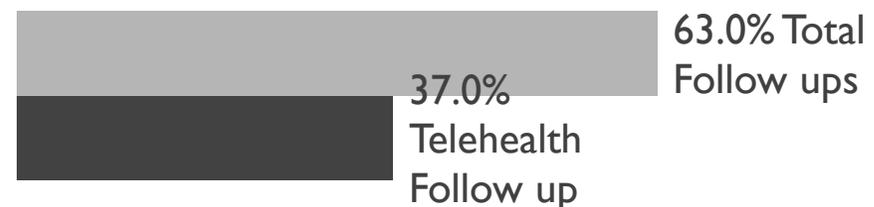
I was able to communicate adequately



Care would have been better in person

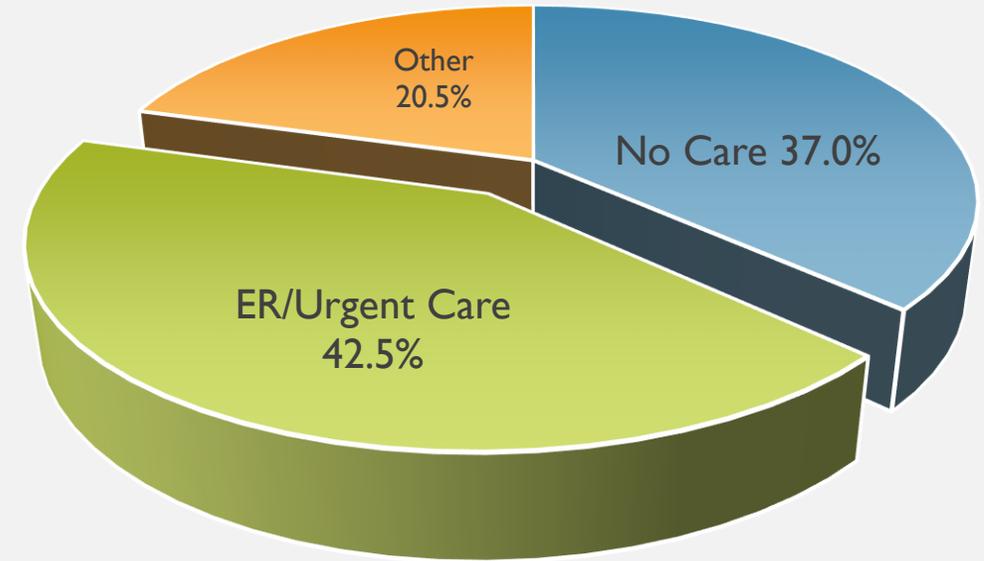


A follow up was ordered



529 PATIENT SURVEY

- 85% of telehealth patients agreed that the visit helped them to improve their health
- 95% agreed this type of visit could be used for their regular health care
- 92.5% Reported it being easier to get in touch with a doctor
- 92.5% Said they would recommend the service



Additionally, 42.5% stated they would have sought emergency care and 37.5% would likely have not sought care at all

PREP THROUGH TELEHEALTH

- PrEP through telehealth has been well received as a means of treatment
- Participants are satisfied with treatment
- Shows great promise for program expansion

CARES 529 MEETING CLINIC

- Providers feel both communication and standard of care meet patient need
- Results indicate need for this service and potential for cost savings
- Patients are satisfied with their care and feel it is effective
- Most patients would recommend this care

Thank you for your time



As the clinical health system of the Medical University of South Carolina (MUSC), MUSC Health is dedicated to delivering the highest quality patient care available, while training generations of competent, compassionate health care providers to serve the people of South Carolina and beyond. Comprising some 1,600 beds, more than 100 outreach sites, the MUSC College of Medicine, the physicians' practice plan, and nearly 275 telehealth locations, MUSC Health owns and operates eight hospitals situated in Charleston, Chester, Florence, Lancaster and Marion counties. In 2018, for the fourth consecutive year, U.S. News & World Report named MUSC Health the number one hospital in South Carolina. To learn more about clinical patient services, visit muschealth.org. Founded in 1824, MUSC and its affiliates have collective annual budgets of \$3 billion. The more than 17,000 MUSC team members include world-class faculty, physicians, specialty providers and scientists who deliver groundbreaking education, research, technology and patient care. For information on academic programs, visit musc.edu.