Centers for Disease Control and Prevention Center for Preparedness and Response



COVID-19 & Telehealth Implementation: Stories from the Field

Clinician Outreach and Communication Activity (COCA) Webinar

Tuesday, August 4, 2020

Continuing Education

All continuing education for COCA Calls are issued online through the CDC Training & Continuing Education Online system at https://tceols.cdc.gov/

Those who participate in today's COCA Call and wish to receive continuing education please complete the online evaluation by **September 7, 2020**, with the course code **WC2922-080420**. The access code is **COCA080420**. Those who will participate in the on demand activity and wish to receive continuing education should complete the online evaluation between **September 8, 2020**, and **September 8, 2022**, and use course code **WD2922-080420**. The access code is **COCA080420**.

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Continuing Education Disclaimer

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- The presentation will not include any discussion of the unlabeled use of a product or a product under investigational use.
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Objectives

- Describe CDC's telehealth guidance
- Discuss frontline clinician experiences related to telehealth implementation across the spectrum of health services and diverse patient bases
- Discuss how current experiences can inform strategies to identify and improve telehealth access and equity
- List strategies to facilitate and promote telehealth and address barriers to implementation during COVID-19 and beyond

To Ask a Question

- All participants joining us today are in listen-only mode.
- Using the Webinar System
 - Click the "Q&A" button.
 - Type your question in the "Q&A" box.
 - Submit your question.
- Click the "CC" button in Zoom to enable closed captioning.
 - "CC" button is located either on the top or bottom of your screen.
- The video recording of this COCA Call will be posted at https://emergency.cdc.gov/coca/calls/2020/callinfo 072820.asp and available to view on-demand a few hours after the call ends.
- If you are a patient, please refer your questions to your healthcare provider.
- For media questions, please contact CDC Media Relations at 404-639-3286, or send an email to media@cdc.gov.

Today's Presenters

Erica Tindall, MSN, MPH, APRN, AGNP-C, CIC Public Health Analyst Northrop Grumman

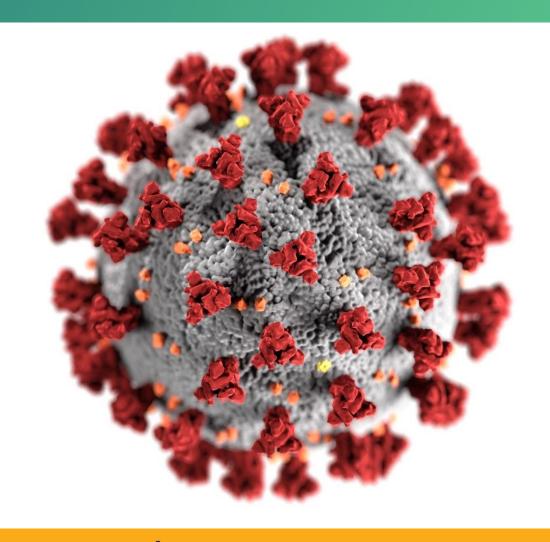
Febe Wallace, MD
 Director of Primary Care
 Cherokee Health Systems

Rasheda Prescott, MD
Clinical Instructor, Internal Medicine and Pediatrics
Physician Informaticist, NYU Langone Health

Kemi Alli, MD
 Chief Executive Officer
 Henry J. Austin Health Center

CDC COVID-19 Response: Telehealth Guidance

Erica Tindall, MSN, MPH, APRN, AGNP-C, CIC
August 4, 2020
Clinician Outreach and Communication Activity
COCA Call





cdc.gov/coronavirus

Objectives

Define telehealth and telehealth modalities.

- Summarize policy changes that increased telehealth utilization during COVID-19 pandemic.
- Describe CDC COVID-19 Response telehealth guidance.
- Share telehealth resources and learning opportunities.



Telehealth

• Telehealth: "a health care provider's use of information and communication technology (ICT) in the delivery of clinical and nonclinical health care services."

Synchronous

- Real-time telephone
- Live audio-video interaction

Asynchronous

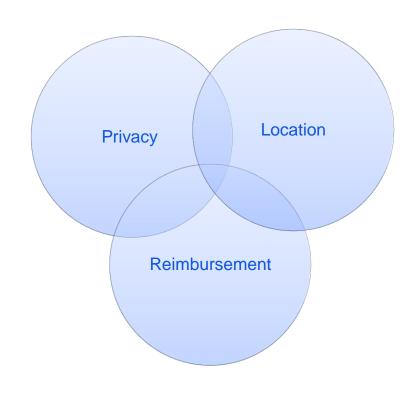
- Store and forward technology
- Patient portals

Remote Patient Monitoring

- Clinical measurement reporting
- Patient wearable devices

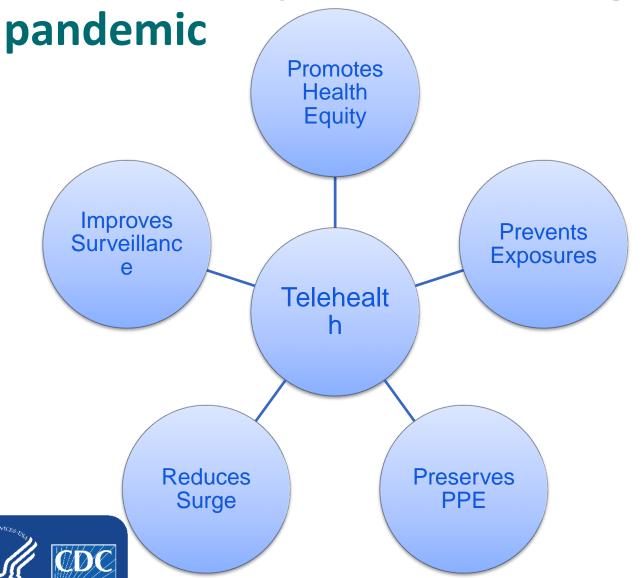
Recent legislative and policy changes affect telehealth utilization

- HIPAA Flexibility to include new technology platforms.
- Federally qualified health centers (FQHCs) and rural health centers can serve as eligible sites of care for telehealth services during the COVID-19 response.
- Waiver allowing healthcare providers to use telehealth and wherever the patient is located.
- Providers may see both new and established patients.
- Out-of-state practitioners permitted to provide telehealth services in another state.





Telehealth & public health alignment during COVID-19



CDC's COVID-19 Telehealth Role:

- Collaborating with federal partners on new and evolving telehealth federal initiatives.
- Monitoring trends in telehealth usage with key telehealth partners.
- Exploring how telemedicine can inform surveillance, improve health outcomes, and reduce impact on healthcare facility surge.

Healthcare systems guidance: Telehealth Services

- Describes telehealth modalities, benefits, and uses from public health and clinical perspective.
- Provides limitations and safeguards for consideration.
- Integral part of the <u>Framework for</u> <u>Healthcare Systems Providing Non-COVID-19 Clinical Care and Ten Ways Healthcare</u> <u>Systems Can Operate Effectively during</u> <u>the COVID-19 Pandemic.</u>

HEALTHCARE WORKERS Using Telehealth to Expand Access to Essential Health Services during the COVID-19 Pandemic Updated June 10, 2020 On This Page Purpose of this Guidance Background To describe the landscape of telehealth services and provide considerations for healthcare systems, practices, and providers using telehealth services to Telehealth Modalities provide virtual care during and beyond the COVID-19 pandemic. Benefits and Potential Uses of Telehealth Background Strategies to Increase Telehealth Uptake

Changes in the way that health care is delivered during this pandemic are

equipment (PPE), and minimize the impact of patient surges on facilities.

patients using methods that do not rely on in-person services. Telehealth services help provide necessary care to patients while minimizing the

personnel (HCP) and patients.

transmission risk of SARS-CoV-2, the virus that causes COVID-19, to healthcare

needed to reduce staff exposure to ill persons, preserve personal protective

Healthcare systems have had to adjust the way they triage, evaluate, and care for



Telehealth Reimbursement

References

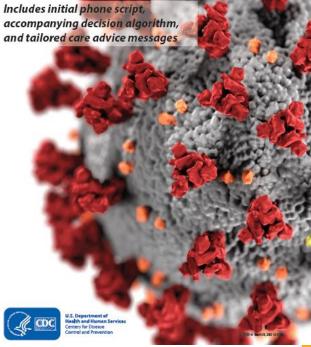
Safeguards for Telehealth Services

Potential Limitations of Telehealth

Telehealth promotion across CDC COVID-19 response

- Healthcare SystemsOperations
- Relief Healthcare Facilities
- Infection Prevention
- Clinical Care
- Rural Health
- Community Intervention

Phone Advice Line Tools Guidelines for Children (2-17 years) or Adults (≥ 18 years) with Possible COVID-19 Includes initial phone script, accompanying decision algorithm,



Ten Ways Healthcare Systems Can Operate Effectively During the COVID-19 Pandemic

CDC is listening to and learning from the experiences of healthcare systems as they respond to COVID-19. This document provides practical approaches that can be used to protect healthcare personnel (HCP), patients, and communities.

Worker Safety and Support



- Understand and execute current infaction prevention and control (IPC) practices for COVID-19.
- Ensure HCP are well-trained on the use of personal protective equipment (PPE).
- Implament strategies to optimize personal protective equipment (PPE), including implementing arteroded and limited reuse of NSS respirators, reserving NSS respirators for aerosol.generating procedures, creating extended use PFE units where only patients with COVID-19 are provided care, and implementing a wall-up testing booth that allows HCP to stand behind solid but transparent (ag., polyaraborate) panels to collect samples for COVID-19.
- Institute universal source control for all HCP, patients, and visitors.
- Consider tracking PPE supplies available using the <u>PPE burn rate calculator</u>.
- Develop <u>protocols for HCP</u> to monitor themselves for fever and symptoms of COVID-19, restrict them from work when sick or post esposure, and to safely allow <u>return to work</u> after an exposure and/or suspected or confirmed COVID-19 infection.
- Bstablish a plan for providing additional support for HCP, considering aspects such as mental health, parenting, meals, and non-punitive sick policies.

Patient Service Delivery



- Help your HCP become well-versed in oxidence-based care of patients with COVID-19, including guidance provided by CDC, National Institutes of Health, the Infectious Diseases. Society of America, the World Health Organization, and the Surviving Sepsis Compaign.
- Understand the guidance for discharging a patient with suspected or confirmed COVID-19 from the hospital to home or to a long-term care facility.
- Use <u>talehealth</u> stratagies when feasible to provide high-quality patient care and reduce the
 risk of COVID-19 transmission in the healthcare setting, Consider implementing a <u>phone</u>.
 <u>advice line</u> to triage patients and to address questions and concerns from possible COVID-19
 noticets.

Data Streams for Situational Awareness



- Maintain awareness of the <u>COVID-19 situation</u> in the state, city, and facility. Provide access to evidence-based <u>guidance</u> for caring for patients with COVID-19.
- Report hospital capacity and patient impact data into the <u>COVID-19 module</u> for the National Healthcare Safety Network (NHSN).

cdc.gov/coronavirus







Potential uses of Telehealth

- Screen patients who may have <u>symptoms of COVID-19</u> and refer as appropriate.
- Provide low-risk urgent care for non-COVID-19 conditions, identify those persons who may need additional medical consultation or assessment, and refer as appropriate.
- Access primary care providers and specialists for chronic health conditions and medication management.
- Participate in physical therapy, occupational therapy, and other modalities as a hybrid approach to in-person care for optimal health



Potential Telehealth limitations & considerations

- Situations in which in-person visits are more appropriate
- Privacy limitations
- Limited access to technological devices (e.g., smartphone, tablet, computer) needed for a telehealth visit or connectivity issues
- Level of comfort with technology for healthcare personnel and patients
- Cultural acceptance of conducting virtual visits



Strategies to increase Telehealth utilization

- Use tele-triage methods for assessing and caring for all patients to decrease the volume of persons seeking care in facilities
- Communicate with insurers to understand availability of covered telehealth services
- Provide outreach to patients with limited technology and connectivity





Telehealth Resources

- <u>Telehealth.hhs.gov</u>: US federal government site with telehealth resources for healthcare providers and patients
- National Consortium of Telehealth Resource Centers: Consists of 12 regional and 2 national Telehealth Resource Centers (TRCs) established to provide assistance, education, and information to organizations and individuals who are actively providing or interested in providing health care at a distance
- Medicaid & CHIP Telehealth Toolkit: Provides states with statutory and regulatory infrastructure considerations related to their telehealth capabilities and coverage policies
- American Medical Association: Telehealth Implementation Playbook



Federal Telehealth Resources

- HHS Telemedicine Hack
 - Wednesday, July 22- Sept. 23, 2020, 12pm-1pm ET
 - Five teleECHO sessions on key topics (e.g., workflows, documentation, reimbursement) highlighting best practices and case studies from the field.
 - Five virtual "office hour" discussion panels with case presenters, government agencies, topical experts, and stakeholder associations responding to your questions.
 - CME/CEU credits are available for attending, at no cost to participants.
- For more information, contact c19ECHO@salud.unm.edu.



Thank you

CDC COVID-19 Healthcare Systems and Worker Safety Task Force
Healthcare Systems Coordination Unit
eocmcctfhome@cdc.gov



Telehealth Services in Rural East Tennessee: Challenges and Opportunities

Febe Wallace, MD, FAAP

Director of Primary Care Services

Cherokee Health Systems

Knoxville Tennessee

August 4, 2020





Telehealth Experience before COVID-19

- Psychiatry telehealth services began in 1999 to provide consultation to primary care clinics.
- Primary care telehealth services began in 2009 to provide service to a rural clinic with a gap in available onsite provider.
- These services required patient to come to the clinic but provider had capability to use stethoscope, otoscope and general examination cameras.
- Primary care and psychiatry services have expanded sites to include school-based services.







Primary Service Area





Together... **ENHANCING LIFE**

Cherokee Health Systems Calendar Year 2019

71,274 Patients

398,926 Services 16,922 New Patients

Number of Employees: 755

Psychologists - 49
Primary Care Physicians - 16
NP/PA (Primary Care) - 51
Community Workers - 26
Pharmacists - 12

Provider Staff:

Cardiologist - 2

Nephrologist - 1

Ob/Gyn - 3

Dermatologists- 2

Psychiatrists - 6

NP (Psych) - 9

LCSWs - 55

Dentists – 3



Together... **ENHANCING LIFE**



Finding a Telehealth Solution for COVID-19

- Finding a telehealth solution that is easy for both patients and providers to use (No easy task).
 - OTTO
 - Doxy.me
 - Zoom
- All platforms have strengths and drawbacks with no current perfect solution.





Digital Health/Telemedicine Literacy Gap

- Education for patients on telehealth and benefits of a virtual visit
- Virtual Health Outreach team formed to educate and prepare patients for their upcoming visits





Technology Challenges

- No internet access or spotty access
- No access to computer or smart device
- Incompatible or older devices that do not meet minimum requirements
- Inability to complete electronic registrations/consent forms





Opportunities for the Future

- Continue development of the digital platforms, particularly to improve integration with electronic health records
- Continue patient digital literacy education on the use and benefits of technology
- Use of mobile van to make technology more accessible
- Development of a Cherokee Health Systems App so patients can access connection to visit via App rather than email/text invitation





It Isn't a Pivot:

Health IT Agility and Scale from an Epicenter During the COVID-19
Surge

Rasheda V. Prescott M.D.

Physician Informaticist Clinical Instructor, Internal Medicine and Pediatrics



The views expressed in this presentation are those of the author and do not necessarily represent the opinion of the Centers for Disease Control and Prevention.

NYU Langone Health by the Numbers

7.85M*
Outpatient Visits

5Inpatient Locations

Emergency Departments

12,228
Births

1,693
Reds

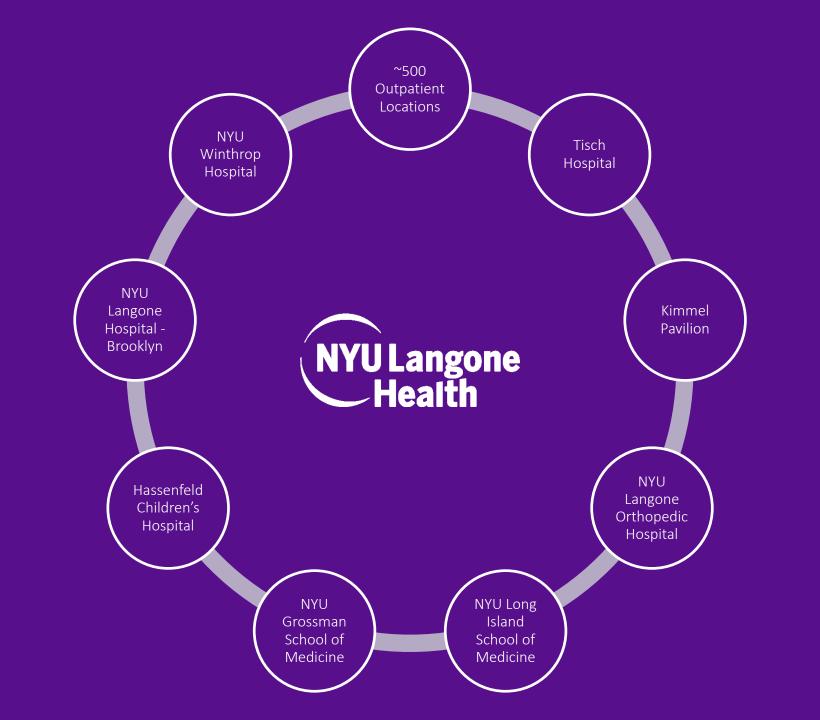
124
Operating Rooms

93,200+
Hospital Discharges

234,000+
Emergency Department Visits

Patients in Our Electronic Health Record



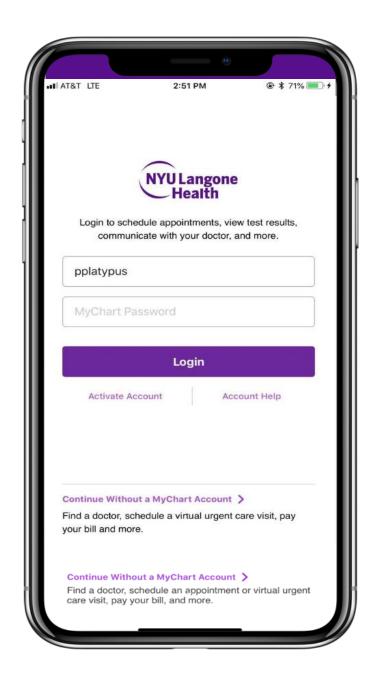


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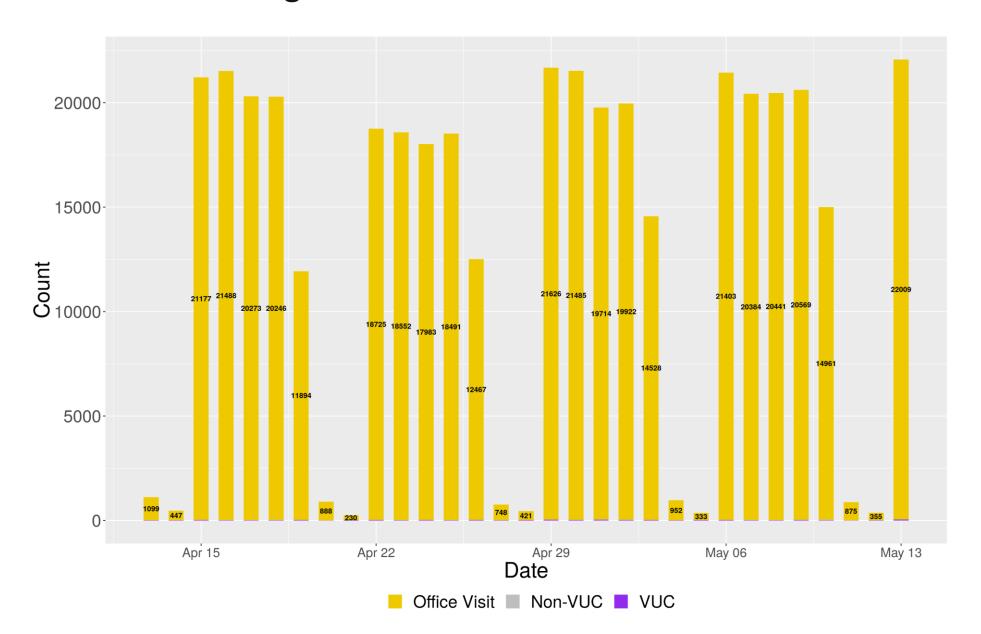
Telehealth Prior to COVID-19 Pandemic

Utilized by only 8 percent of Americans in 2019¹

- Telemedicine At NYU Langone Health prior to COVID-19
- Started 2018
 - ~100 visits per day
 - Virtual Urgent Care ~25-35 visits daily
 - Non-urgent virtual care ~75
 - Integrated in the existing Epic EHR with patients utilizing NYU Langone Health App

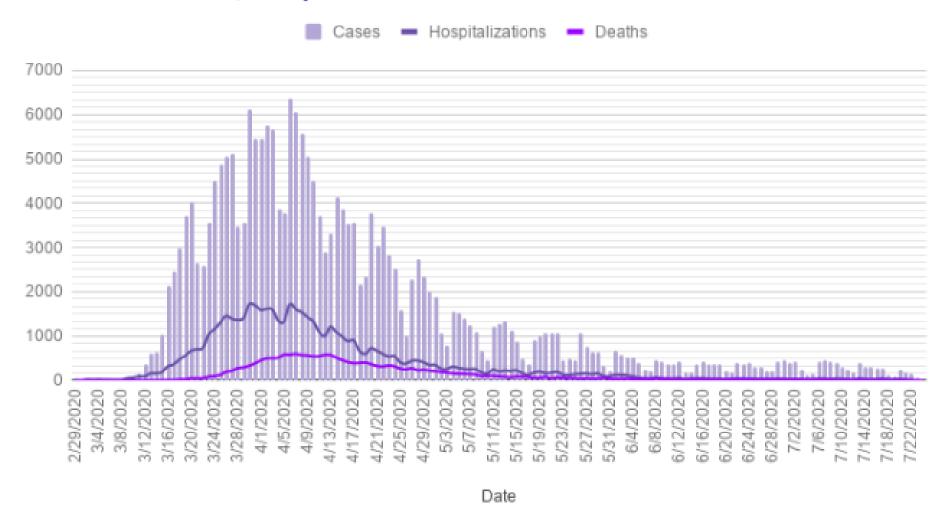


Telehealth at NYU Langone Health Prior to COVID-19

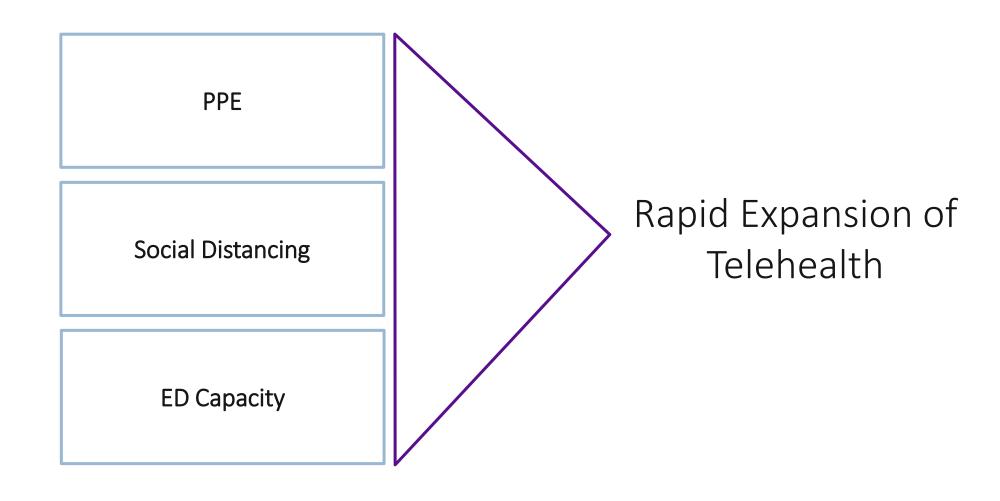


NYC COVID-19 Pandemic Surge

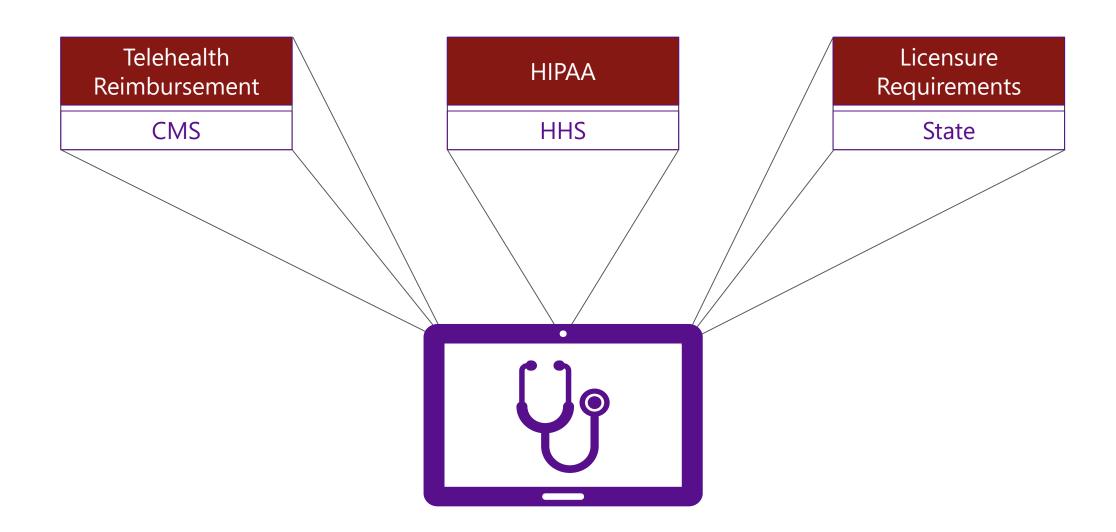
COVID-19 Cases, Hospitalizations and Deaths



Key Drivers

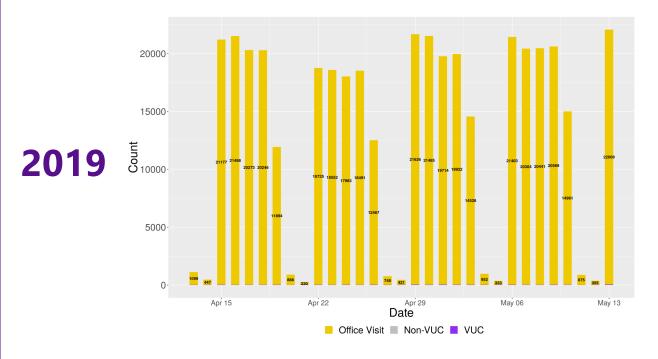


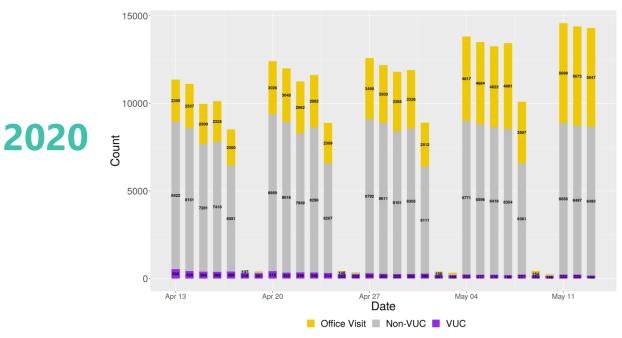
Three Pivotal Policy Changes Enabling Telehealth Expansion



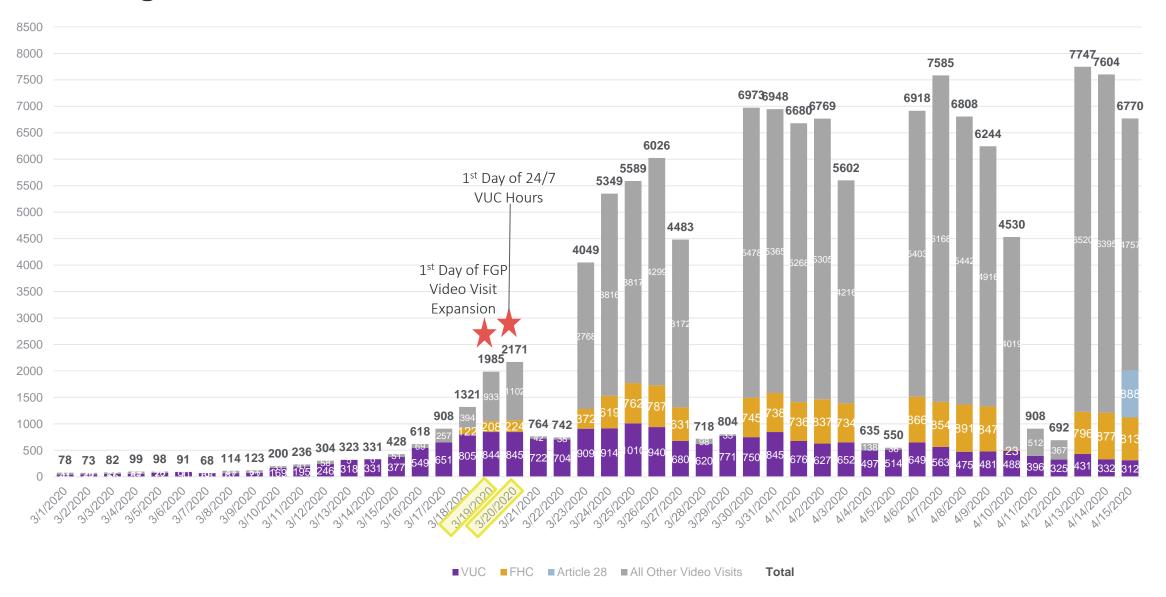
Transformational Impact of COVID- 19 on Telemedicine: 6 week Survey at NYULH at the Epicenter of the Pandemic

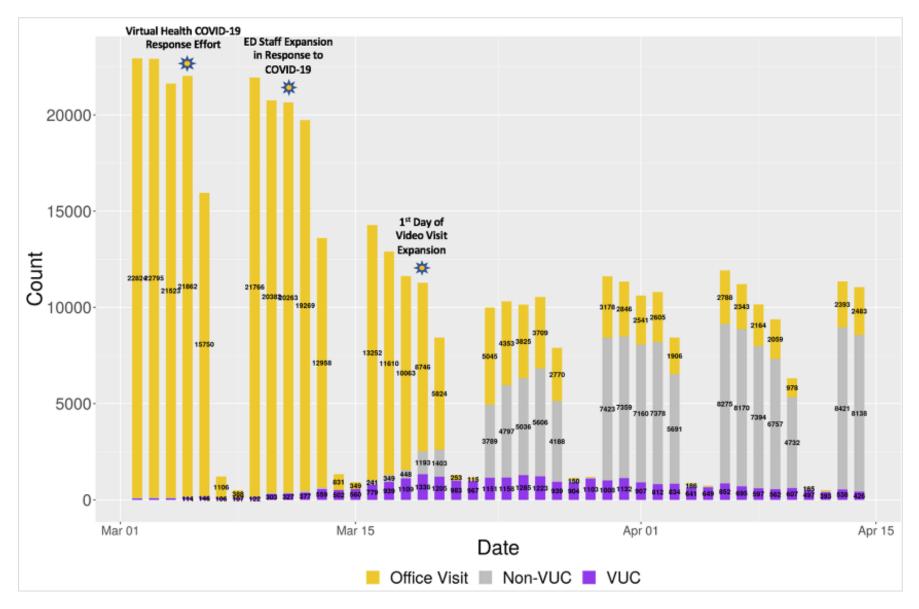
- Captured rapid scaling of video-enabled visits during NY State surge
- Data from March 2, 2020 April 12, 2020
- Video-enabled visits increased from ~100 to over 8,000 within 20 days
- Largest shift in Non-Urgent Virtual care
- Highest use in patients ages 20-44 (58% VUC, 32 NUVC)





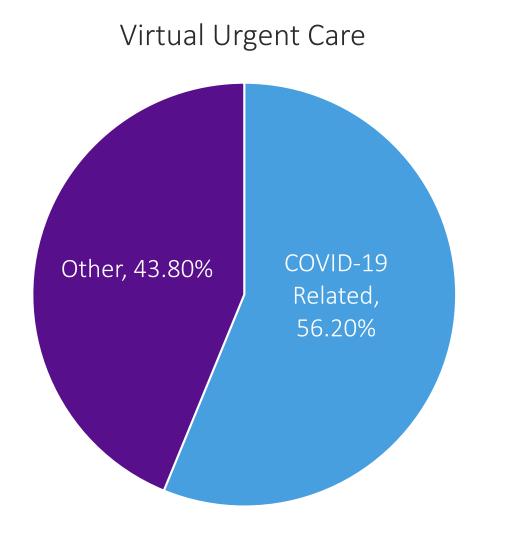
NYU Langone Health Virtual Health Video Visit Volume



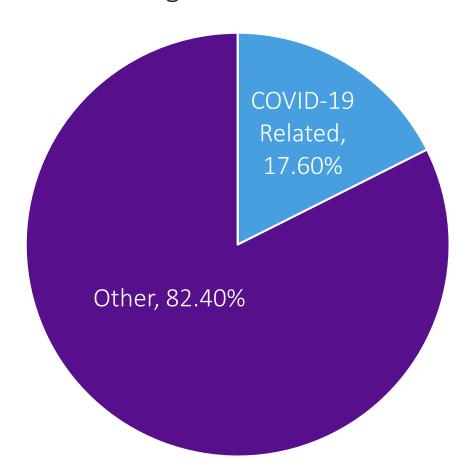


Virtual Health visit Volume Increase in Non-Urgent and Urgent Virtual care with corresponding decrease in office Visits

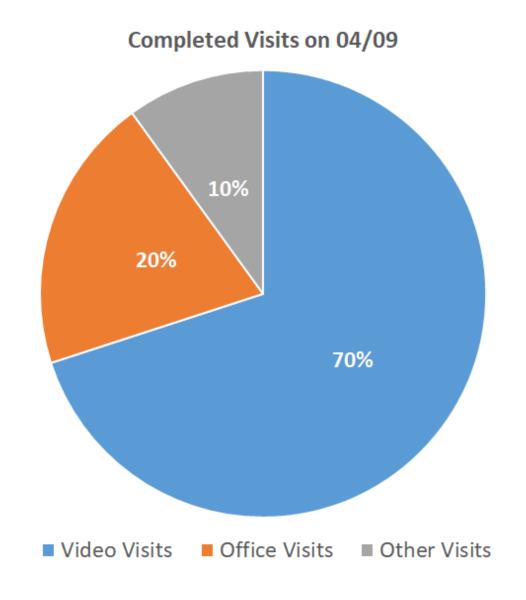
Virtual Visits During the Surge



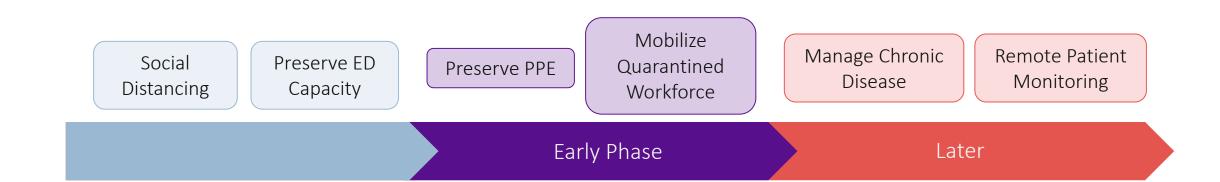




Telemedicine Visits vs. Office Visits



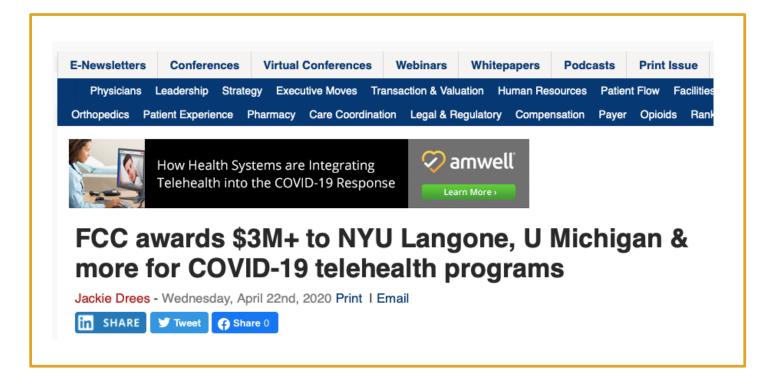
Virtual Health Expansion - Beyond the Ambulatory Visit...



Remote Patient Monitoring - Beyond Ambulatory...

COVID-19 Telehealth Grants





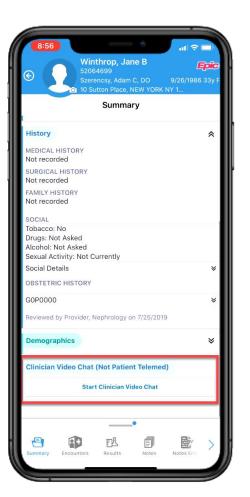
NYU Langone Health received \$983,772 to implement bedside telehealth capabilities within our inpatient facilities to support our clinicians who are safely monitoring the sickest of patients.

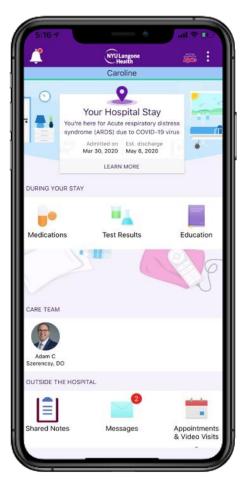
The NYU Grossman School of Medicine was awarded \$772,687 to improve telehealth programs to engage in video visits across our ambulatory practices as well as leverage remote patient monitoring at home and at a distance.

Inpatient Video Capabilities

- Clinician-to-Clinician Video
- Clinician-to-Patient Bedside Video
- Patient-to-Family Video ~1,500 bedside tablets
- Patient-Family-Clinician Video

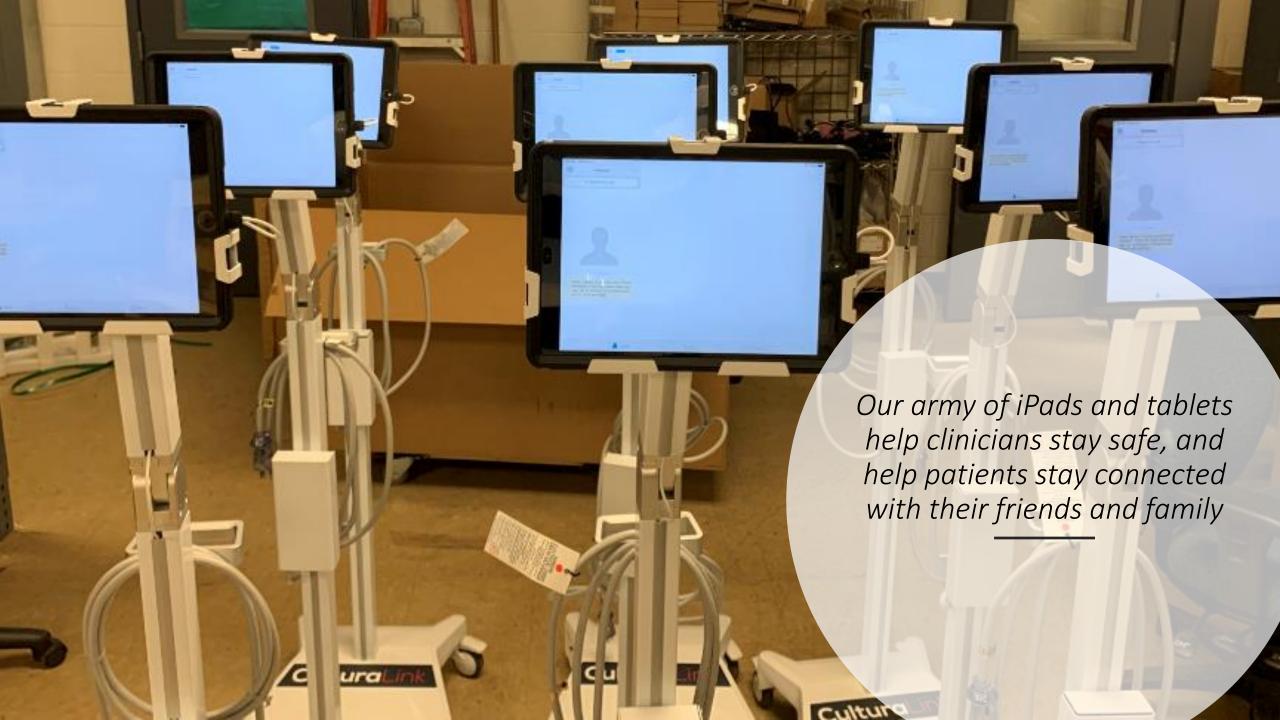




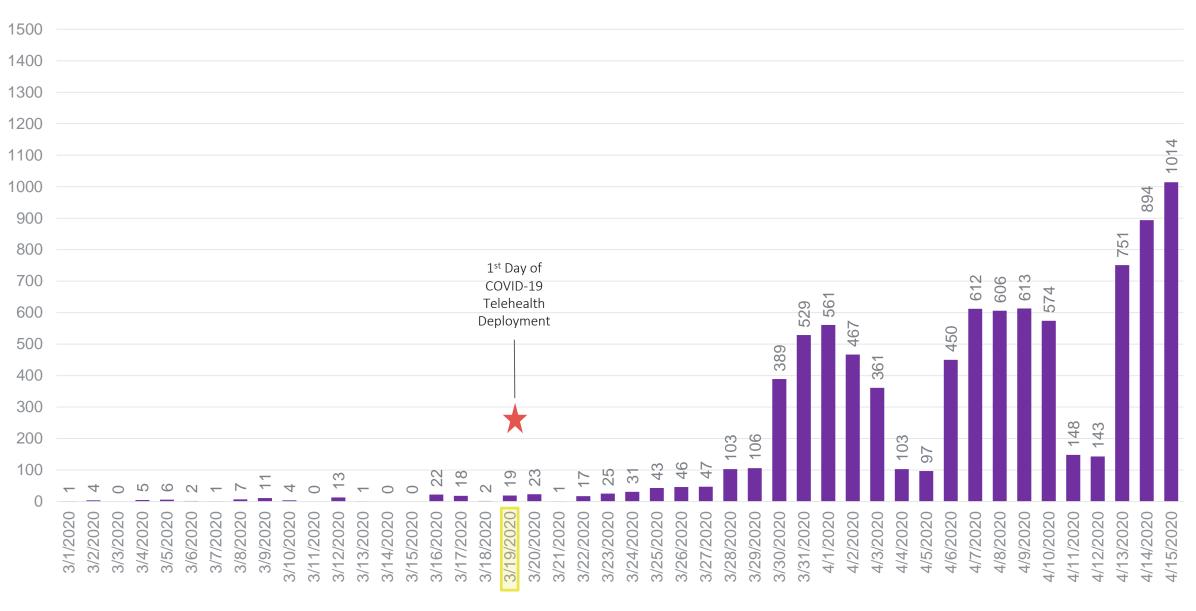








NYU Langone Inpatient Video Connections



Lessons Learned

Challenges



Training



Tech Support



Patient Communication









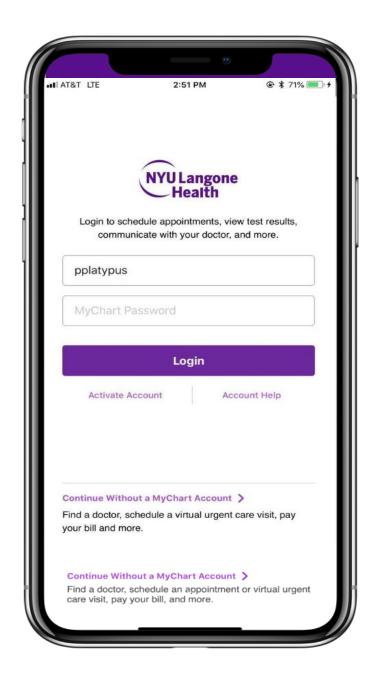
How NYULH Successfully Scaled Virtual Health

8,000 Telehealth Infrastructure • 2-Year Virtual Health Experience • 15,000 prior visits Governance Invested in: Digital Health Clinician and Patient Digital Experience Single EHR Platform 100

Future of Virtual Health at NYU Langone Health

- Immediate Future
 - Maintain Social Distancing currently 30% of our ambulatory visits

- Expansion
 - Beyond Clinicians Nursing, Pharmacy, Rehab, Lactation, Consultants
 - Remote patient monitoring
 - Longitudinal Care



Remote Patient Monitoring

Active Programs

- Obstetrics
- MFN
- Transplant
- Cardiology
- Endocrine
- Bariatric Medicine

Current Initiatives

- Primary Care HTN
- Cardiology
- Ophthalmology













Tyto Device with Exam Camera and Basal Thermometer



Otoscope adaptor for examining the ears Stethoscope adaptor for heart and lung sounds



Tongue depressor adaptor for the throat

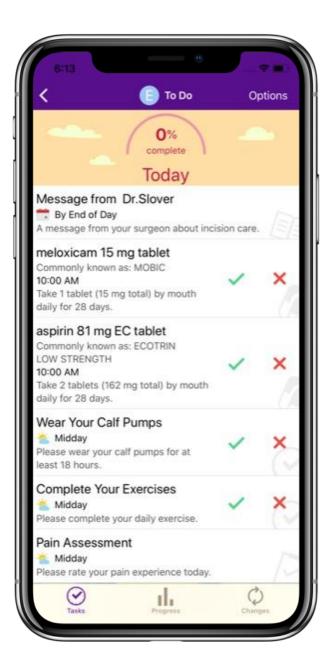


TytoApp™ for conducting guided exams with your doctor

Virtual Health For Longitudinal Care

Use cases: chronic disease management, pre/post-operative experience

Suite of tools: reminders, tasks, educational videos, care pathways



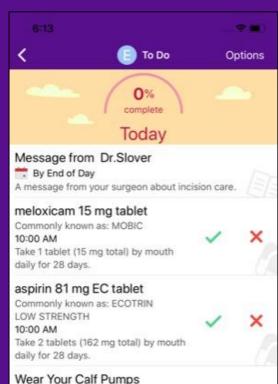
Virtual Health is....

A technology
An emerging ecosystem
A new mode of care delivery
An experience











THANK YOU





Telehealth Implementation and Expansion During COVID-19

Kemi Alli, MD
Chief Executive Officer
kemi.alli@henryjaustin.org
August 4, 2020







Outline of Discussion

Who are we?



- How did we implement telehealth?
- What were opportunities and challenges?
- What is the future direction of telehealth?







Who are we . . .

Henry J. Austin Health Center is a federally qualified health center serving the greater Trenton community for over **50 years**! We are accredited by the Joint Commission and we are patient-centered medical home certified by the National Committee for Quality Assurance. We have been recognized by the Health Resources and Services Administration for Enhancing Access to Care; Reducing Health Disparities; and Advancing Quality through Health Information technology.







Who are we . . .



We have 4 stand alone sites; 3 sites embedded within mental health institutions and a homeless shelter; and a mobile health unit.

Over 30,000 active patients and over 70,000 visits in last 12 months







Our Patients

- 1 in 9 are homeless
- Over half African American and female
- 1/3 are Latino
- 2/3 fall 200% or more below the federal poverty level





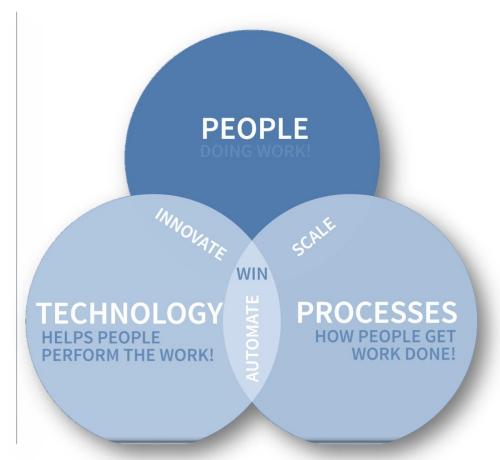




How we implemented telehealth . . .

Telehealth ...

- People
- Processes
- Technology









Telehealth – The People









People

Think about all the **people/staff** needed to support this work and can they do it remotely?

- Call Center staff scheduling appointments
- Patient Representatives registering patients
- Nurses triaging
 and screening









People

Providers – medical decision making



Medical Assistants or Community Health Workers -

confirming visits and ensuring patients can access the system

Billing Staff – key in this new process!





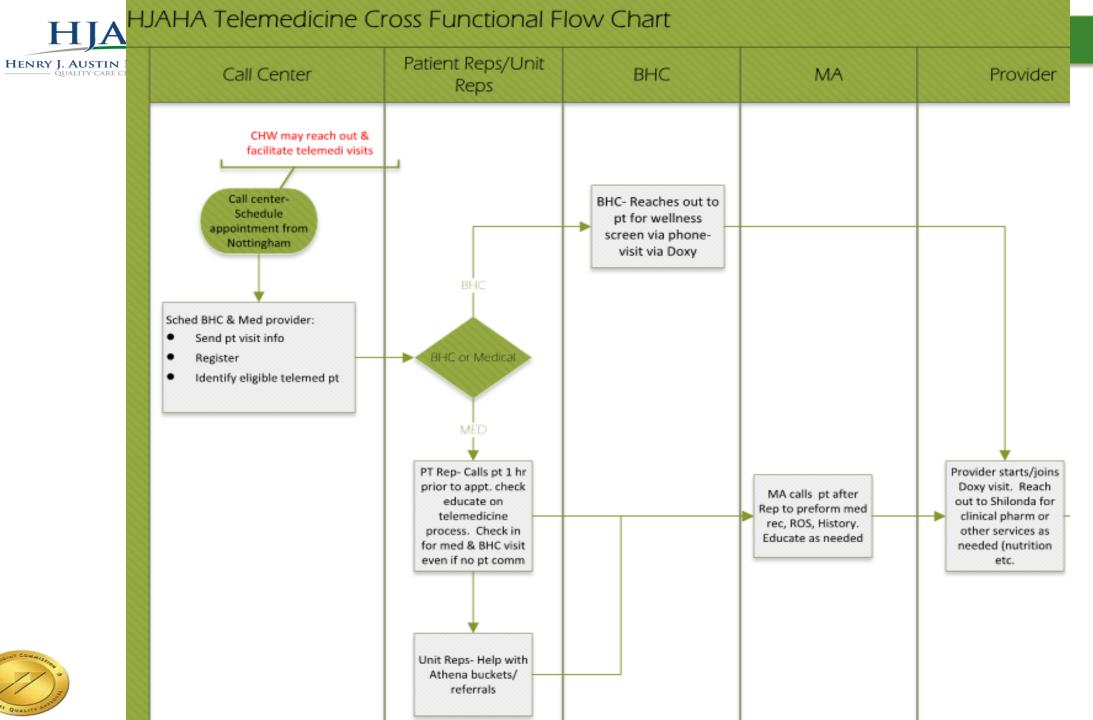


POSITION	NAMES
Provider Remote	
Check-In	
ВНС	
Nurse	
MA	
Other	
Provider Remote	
Check-In	
ВНС	
Nurse	
MA	
Other	
Provider Remote	
Check-In	
ВНС	
Nurse	
MA	
Other	

People













Telehealth - Process









Processes to think about . . .

- How will staff communicate or "meet" with one another: texting, Zoom or some other platform?
- How will staff communicate with patients: cellphones or an internet platform (Zoom Phone, Google Voice, other)?

A voice number works on smartphones and the web so you can place and receive calls from anywhere!









Processes to think about . . .



 How will you share documents and other notices between staff:
 Microsoft 365, log in to Microsoft
 Outlook through a URL?







Processes to think about . . .

How do you do routine visits and preventative care like well child checkups with telemedicine?









Understand the Telehealth Opportunities

TELEMEDICINE

 Live (synchronous) videoconferencing: a two-way audiovisual link between a patient and a care provider

TELEPHONIC

- Audio only link between a patient and a care provider
- Store-and-forward (asynchronous) E-CONSULTS videoconferencing: transmission of a recorded health history to a health practitioner, usually a specialist.
- Includes other methods as well...







Telemedicine Billing Grid

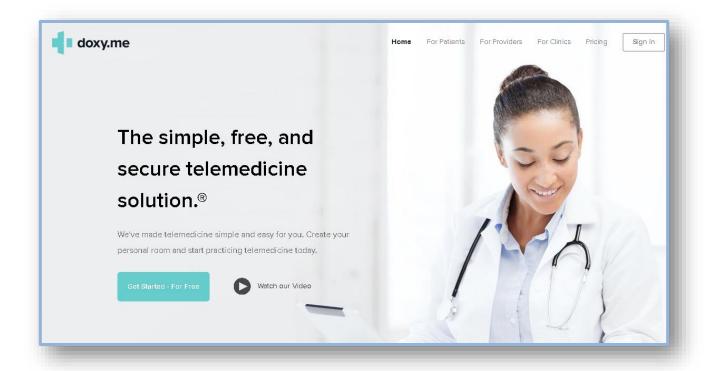
						Copays /						
Telehealth		Telemedicine				Coinsurance /	Telemedi					Telehealth
Claim		Service	Patient at	Patient at	Patient at	Deductibles	cine CPT's					Claim
Submission		Accepted	home,	center,	home,	Waived for	- 15				Modifer	Submission
Per	Package	(E&M's) -	Provider	Provider	Provider	Duration of	minutes	Telepsych	Diagnosis		Per	Per
Insurance	Туре	Wrappable	at Center	at home	at home	Covid-19	or more	CPT's	Required	POS	Insurance	Insurance

Understand the reimbursement in your state!









What is the Technology for Telehealth?







Technology

- Free version and an inexpensive version
- Very fast and easy to set up for patients and providers! (careful of App requirements)
- Has audio only capabilities
- Look for a system to call patients from the platform
 so providers or staff do not need phones!







Challenges with Telehealth

Creating efficient virtual workflows.

Ensuring governance and community wide understanding of what a telehealth virtual visit is.

Patients' technology deficiencies







Opportunities and Future Direction of Telehealth

- Greater health care access for patients with transportation difficulties and those with disabilities
- County wide collaboration and coalition building (Telehealth Kiosks)
- New recruitment and retention strategies (providers working from home)







Thank You!

Kemi Alli, MD
Chief Executive Officer
kemi.alli@henryjaustin.org





To Ask a Question

- Using the Zoom Webinar System
 - Click on the "Q&A" button.
 - Type your question in the "Q&A" box.
 - Submit your question.
- For media questions, please contact CDC Media Relations at 404-639-3286 or email media@cdc.gov.

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Today's COCA Call Will Be Available On-Demand

When: A few hours after the live call

What: Video recording

 Where: On the COCA Call webpage at https://emergency.cdc.gov/coca/calls/2020/callinfo 080420.asp

Upcoming COCA Call

 Topic: 2020-2021 Influenza Vaccination Recommendations and Clinical Guidance during the COVID-19 Pandemic

Date: Thursday, August 20, 2020

• **Time:** 2:00-3:00 PM ET

Website: https://emergency.cdc.gov/coca/calls/2020

COCA Products & Services



COCA Call Announcements contain all information subscribers need to participate in COCA Calls. COCA Calls are held as needed.



Monthly newsletter that provides information on CDC training opportunities, conference and training resources, the COCA Partner Spotlight, and the Clinician Corner.



As-needed messages that provide specific, immediate action clinicians should take. Contains comprehensive CDC guidance so clinicians can easily follow recommended actions.

COCA Products & Services







Monthly newsletter providing updates on emergency preparedness and response topics, emerging public health threat literature, resources for health professionals, and additional information important during public health emergencies and disasters.

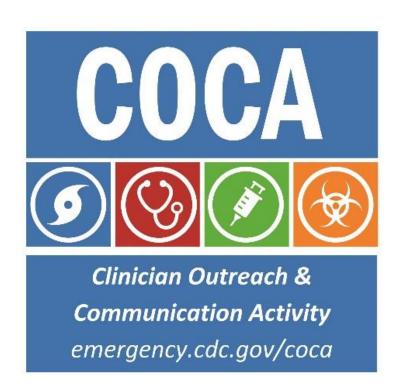
Informs clinicians of new CDC resources and guidance related to emergency preparedness and response. This email is sent as soon as possible after CDC publishes new content.

CDC's primary method of sharing information about urgent public health incidents with public information officers; federal, state, territorial, and local public health practitioners; clinicians; and public health laboratories.

Join COCA's Mailing List

Receive information about:

- Upcoming COCA Calls
- Health Alert Network (HAN) messages
- CDC emergency response activations
- Emerging public health threats
- Emergency preparedness and response conferences
- Training opportunities



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