## UNC Medical Center Comprehensive Stroke Center: Impact of COVID-19 on Stroke Care

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"Stroke care has always been a multispecialty, collaborative effort among emergency medical services, physicians, and nurses from the EDs to the stroke units, ICUs, and rehabilitation centers. Collaboration, collegiality, and compassion for one another are crucial to making it through this challenge."

(AHA/ASA Stroke Council Leadership, 2020)





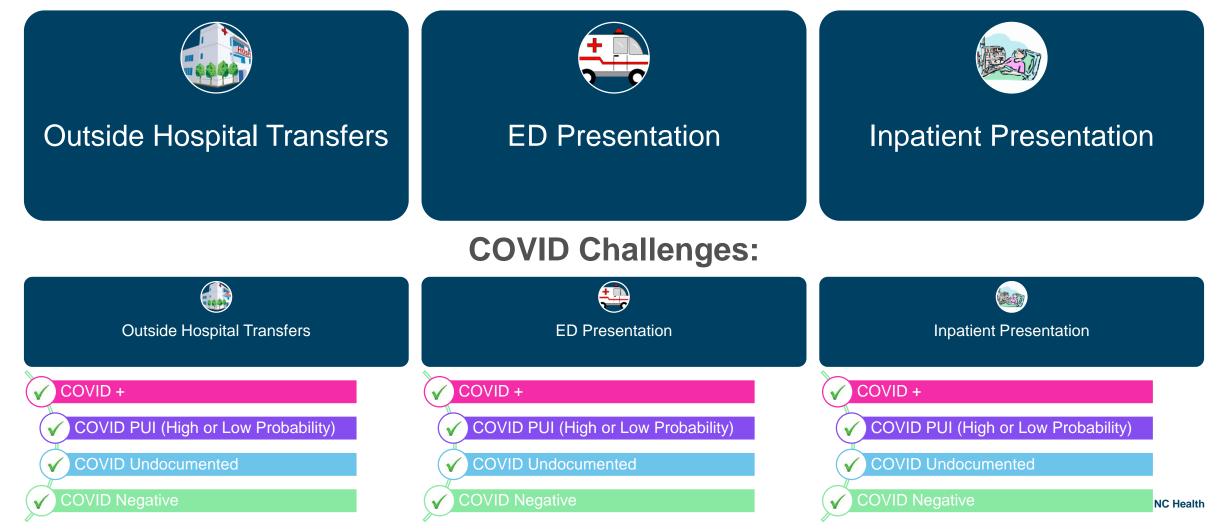
### UNCMC's Experience on COVID-19 Impacts to Stroke Care

- Impacts to all aspects of stroke care from pre-arrival through post-discharge, recovery and beyond.
- Processes that took months and years to develop and perfect, had to be rapidly updated in days to weeks.
- Communication, change overload and resource constraints impacting staff resiliency and burnout.
- Further impacts being realized as the 'COVID sprint' has become the 'COVID marathon'

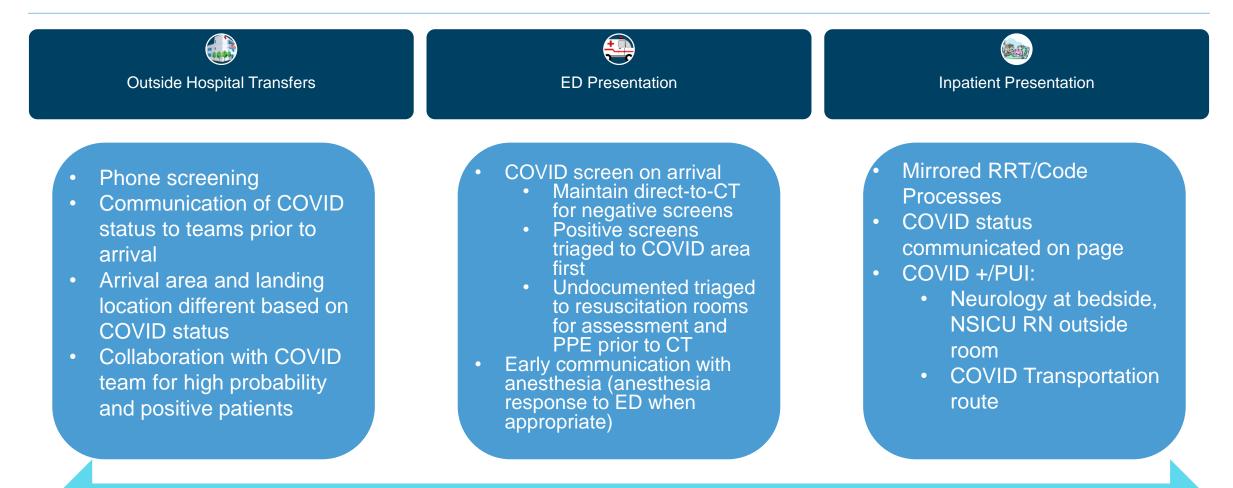
# **Thrombectomy Processes**

#### **Impacts of COVID-19 to Thrombectomy Processes**

#### **Pre-COVID Workflow:**



#### **Impacts of COVID-19 to Thrombectomy Processes**



Challenges of rapid hospital policy changes, PPE limitations and Testing Constraints

# **Community Education**

"Improving stroke awareness during the crisis is the key. Stroke awareness education activities should not stop or be reduced; they should be enhanced. A robust systematic educational network should be established and enhanced to educate patients on what to do during the pandemic." (Zhao et al., 2020)

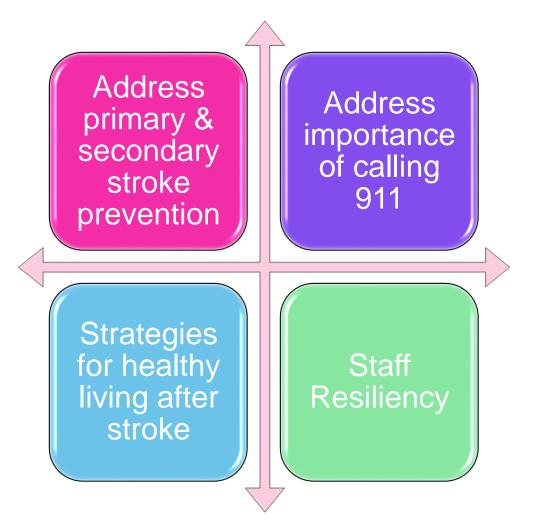


(American Heart Association, 2017)

Association

Association

#### **Stroke Awareness Month Goals**



#### **Stroke Awareness Month Strategies**

## Wellness Challenge

Daily social media post with a different wellness challenge each day

Challenges included physical activity, mindfulness, health eating, risk factor assessment, cognitive exercises and more!

Activities included adaptations for stroke survivors

Compiled posts into a document for those interested in doing the wellness challenge anytime

# Video Challenge

Challenged stroke units to create short stroke awareness videos

Videos posted to social media

At the conclusion of the month, staff voted on their favorite

# Staff Recognition

May is also Neuroscience Nursing Staff Week, Better Speech and Hearing Month and EMS Week

Created a Thank You video for staff

10

### **Stroke Awareness Month Strategies**

is important for lunges. Check out this

? Check out ways to modify a lunge while su

e survivor? Check out The American Heart Association's Toke Mini Lunges or single leg mini squats with support as

10 Stroke 28th Wellness Challenge

SUNVO? Check out The American Heart Ass

and stability which

doing your lunges correctly:

s always, please contact your health care pro

New exercise routine.

UNC Comprehensive Stroke Center is 🙂 feeling thankful. Published by Nicole Burnett [?] · May 29 · 🔇

Did you know that in addition to stroke awareness month, May is also Better Speech and Hearing Month? Our Speech Language Pathologists (SLPs) partner with us each and every day to provide therapy, services, education and support to our patients with stroke who experience language, cognitive and/or swallowing difficulties. Thank you to our SLP's - we appreciate all that you do!

#### Better Hearing & Speech Month



UNC Comprehensive Stroke Center is with AANN: American Association of Neuroscience Nurses and AANN Triangle Chapter. Published by Nicole Burnett [?] - May 11 - S It's Neuroscience Nursing Staff Week! Every day, our neuroscience nursing staff touch the lives of our patients, their families and everyone around them. Although we cannot all be together to celebrate this year like we normally would, we want to say thank you for the caring, dedication and support you provide to our neuroscience patients. We are so proud of the work that you do and the difference that you make in the lives of our patients and their loved ones. You make a difference at UNC and it shows!



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# Virtual Rounding

### **NSICU Virtual Rounding**

- Physical distancing limits both staff to family and staff to staff interactions greatly
- Implementation of WebEx Teams for rounding for physical distancing
  - Allows for continued medical student education
  - Allows for healthy, quarantined staff to participate offsite
  - Consult services for pending tests/positive patients
- Use of phone and video calls to update family members virtually
  - More time and effort needed to build relationships, trust and rapport with families

"Loss of personal interaction at work due to physical distancing has an impact as well. People love going to work, not only because they feel they are helping the patients, but because they enjoy the people they work with. This loss of personal interaction affects mental wellness. This mental and physical strain has gone on so long and burnout is real."

> -Rhonda Cadena, MD Interim Division Chief, Neurocritical Care UNC Medical Center & UNC Rex



