

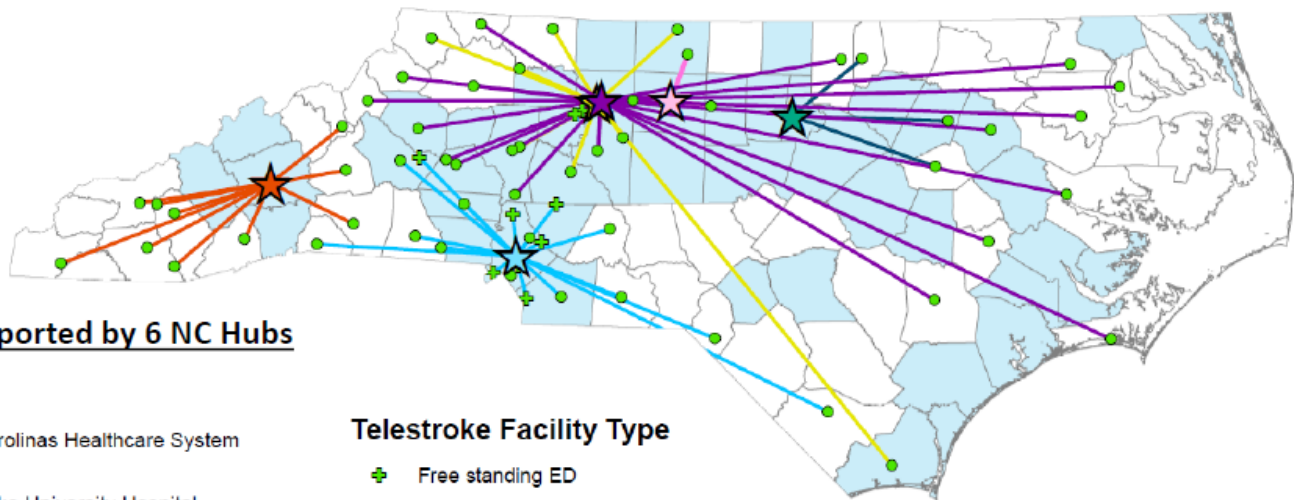


# Regional Stroke System Support through Telestroke

Amy Guzik, MD  
Director, Comprehensive Stroke Center  
Director, Telestroke Services

# NC Telestroke Landscape

## NC Telestroke Sites, 2016 Hospitals and Free-Standing Emergency Departments (EDs) with Telestroke Services



### 68 Telestroke Spokes supported by 6 NC Hubs

# NC Spokes	Hubs
20	Carolinas Healthcare System
3 (+2 VA)	Duke University Hospital
12	Mission Memorial Campus
10 (+4 VA)	Novant Forsyth Medical Center
3	The Moses H Cone Memorial Hospital
20	Wake Forest Baptist Medical Center

### Telestroke Facility Type

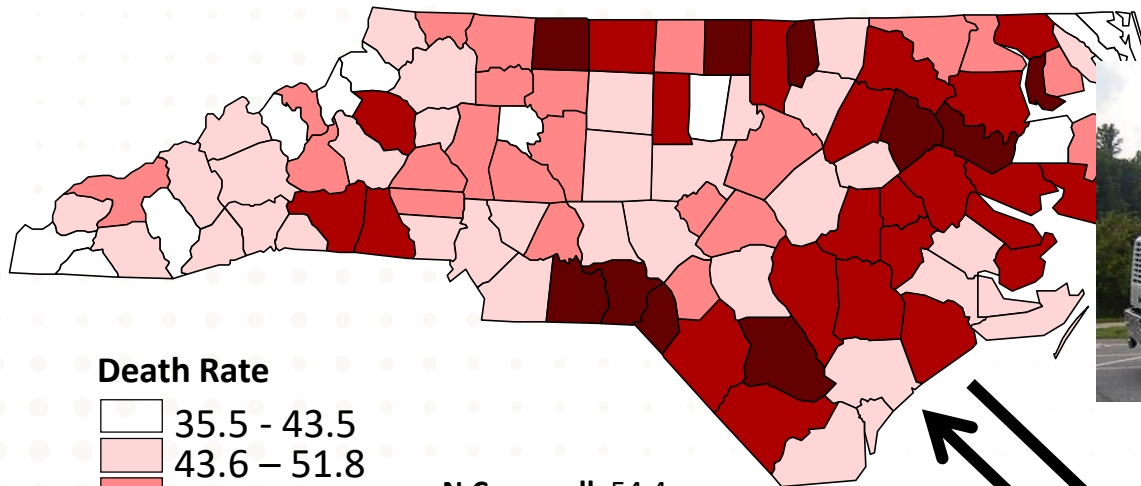
- Free standing ED
- Hospital

### County

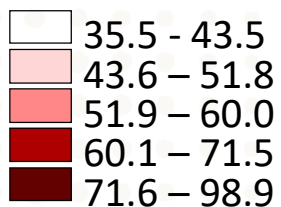
- non-Metropolitan
- Metropolitan

### Sources:

Hub/Spokes: Previous Telestroke Maps and web search & list compiled by Anna Bess Brown, NC DHHS  
 Metro/non-Metro County Designation: obtained from The US Office of Management and Budget, 2016.  
 Map created by Brittany Bogle and Wayne Rosamond, UNC. Contact: [bbogle@email.unc.edu](mailto:bbogle@email.unc.edu)



### Death Rate



N.C. overall: 54.4

U.S. (2002-06):  
49.8



Stroke: ICD-10 codes I60-I69.

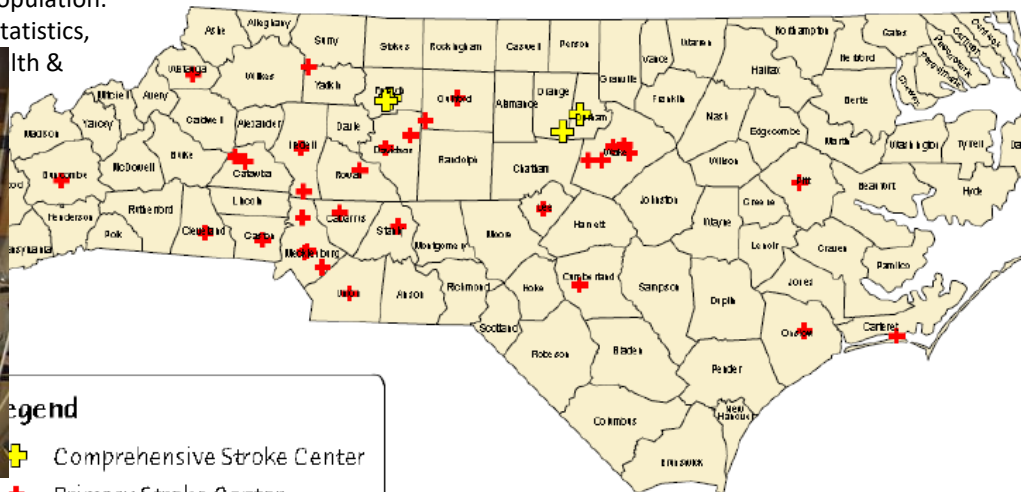
Rates per 100,000 population, age-adjusted to the 2000 U.S. standard population.

N.C. Data Source: N.C. Center for Health Statistics. North Carolina Vital Statistics,

Vol. 10, No. 1, 2008.

Health & Human Resources Development

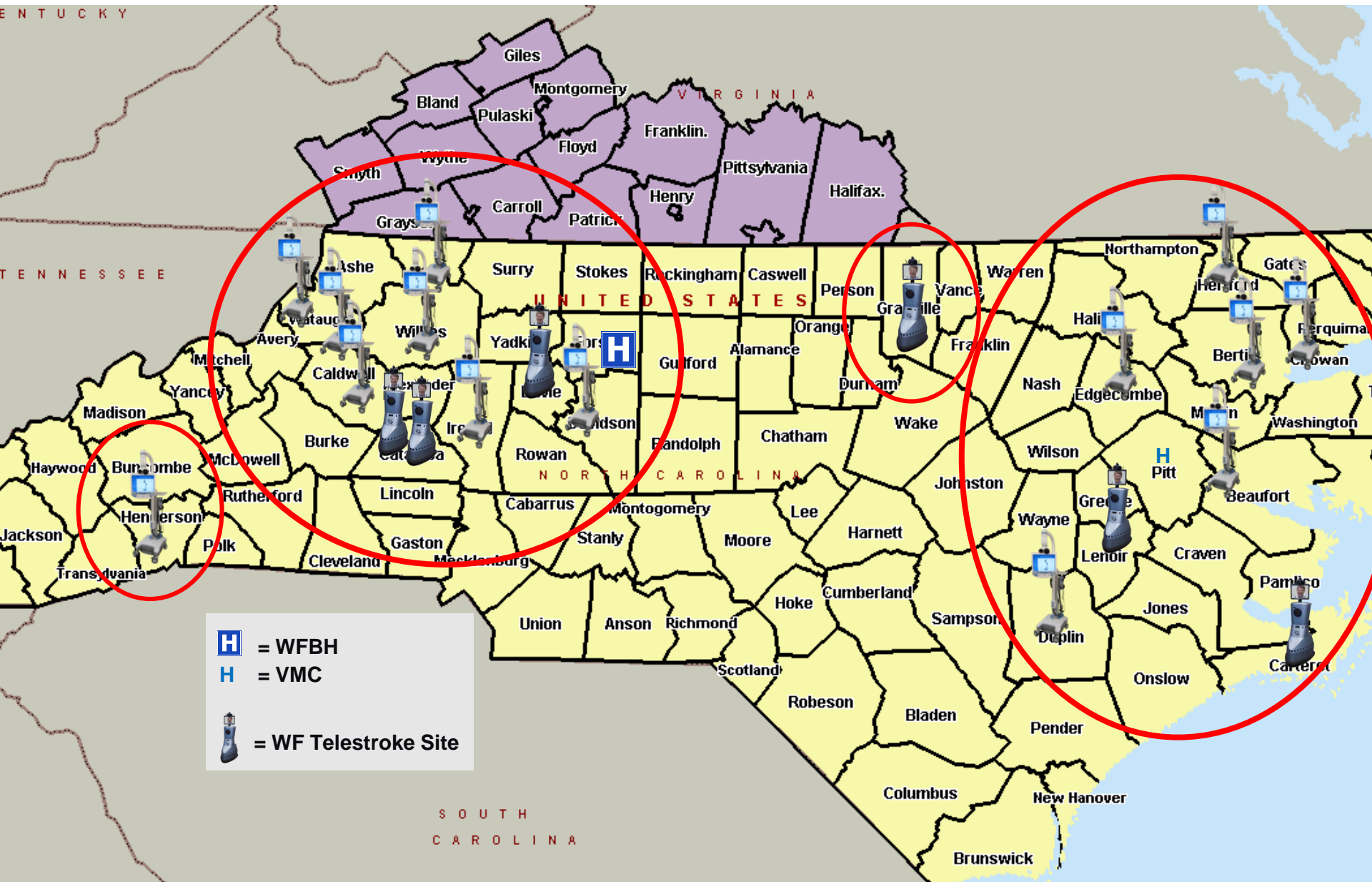
CD



### Legend

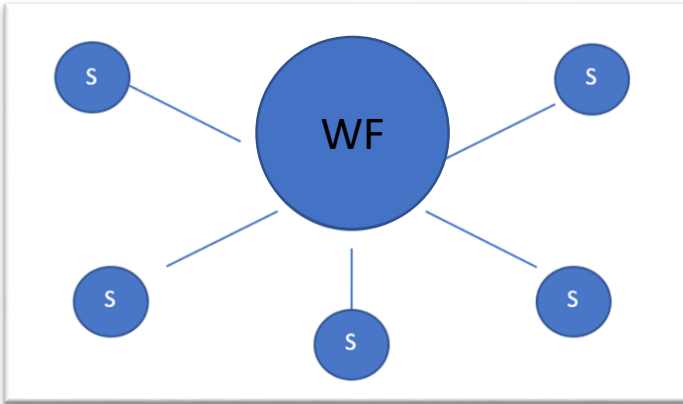
- + Comprehensive Stroke Center
- + Primary Stroke Center

# Wake Forest Telestroke Network

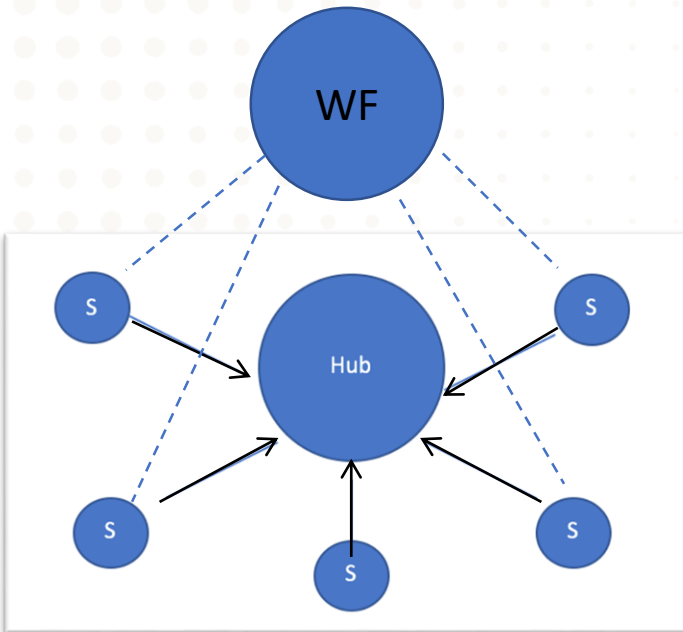




# Our Model(s)

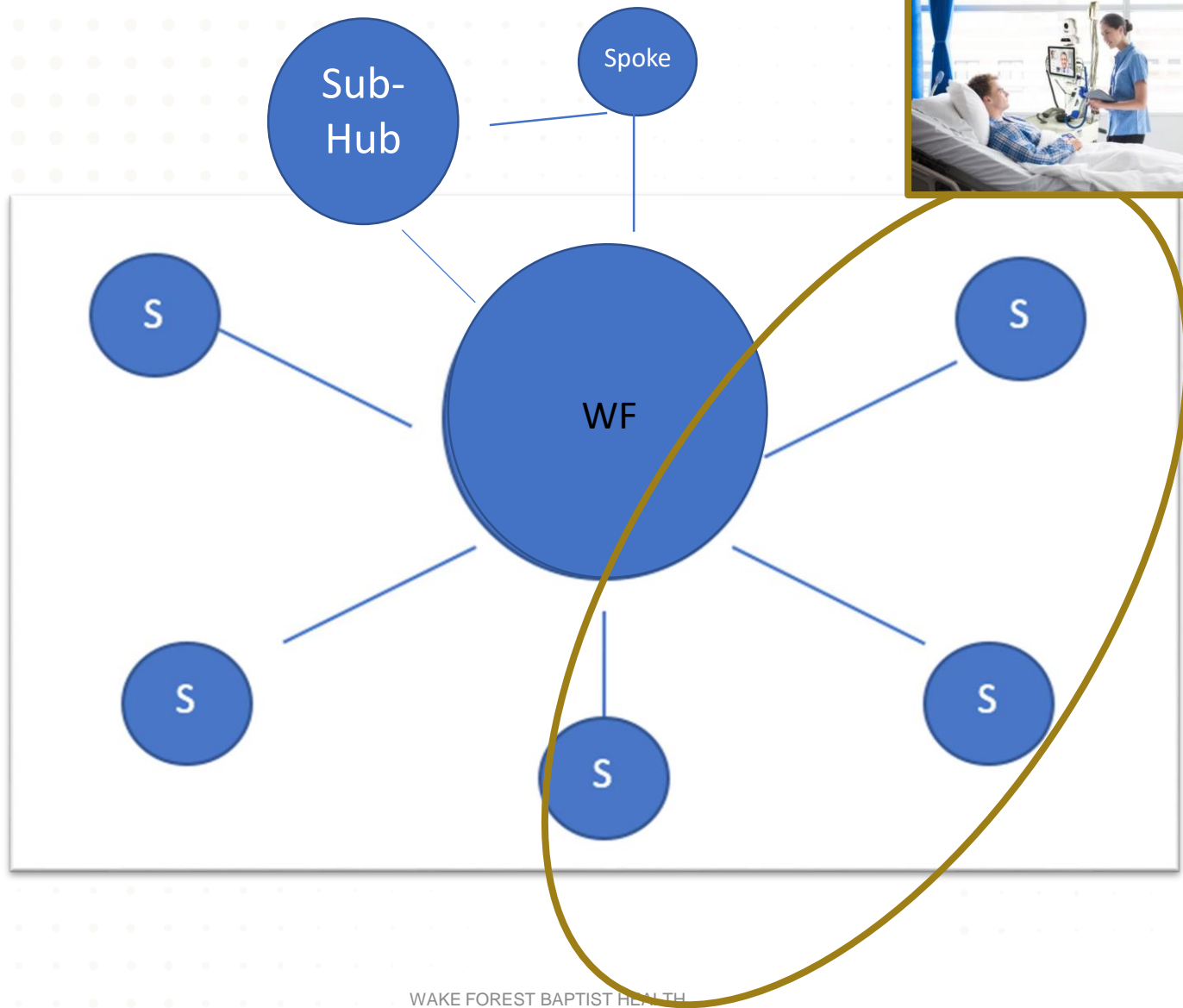


- Local Model- Hub and Spoke:  
Preferential bed placement, rapid and facilitated transfer

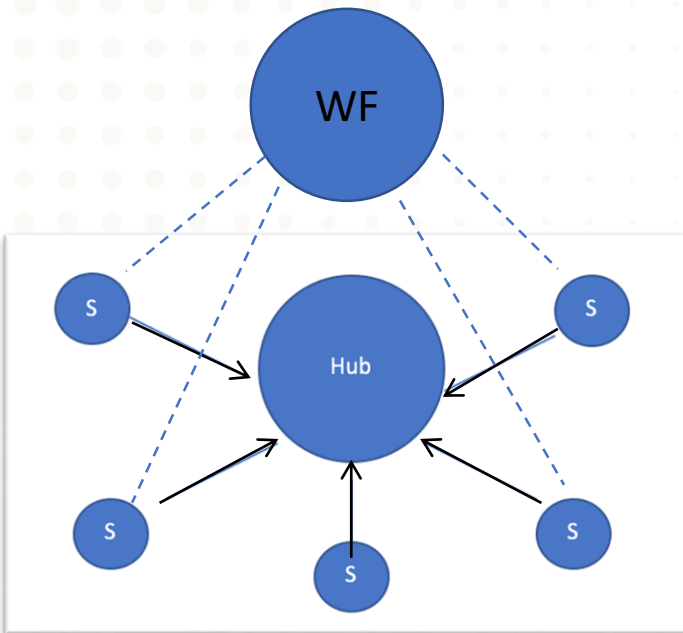


- State Model- Contracted services:  
Fee for service, provide support for distant health systems- Wake Med & Vidant/ ECU.

# In reality more complicated....

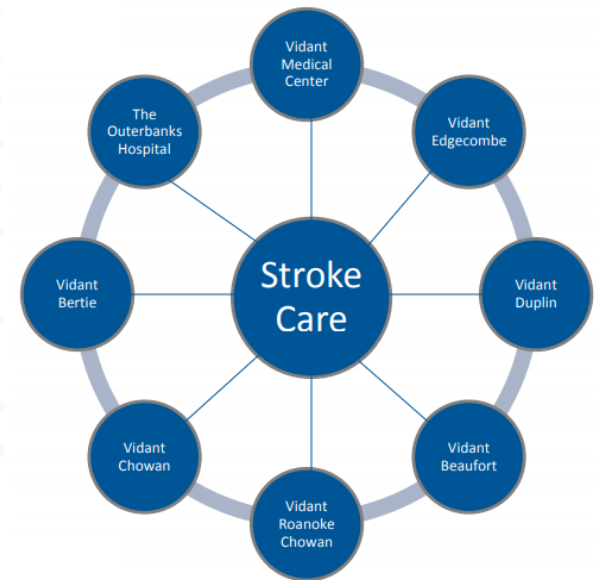


# Strengthen Stroke Systems through Partnerships



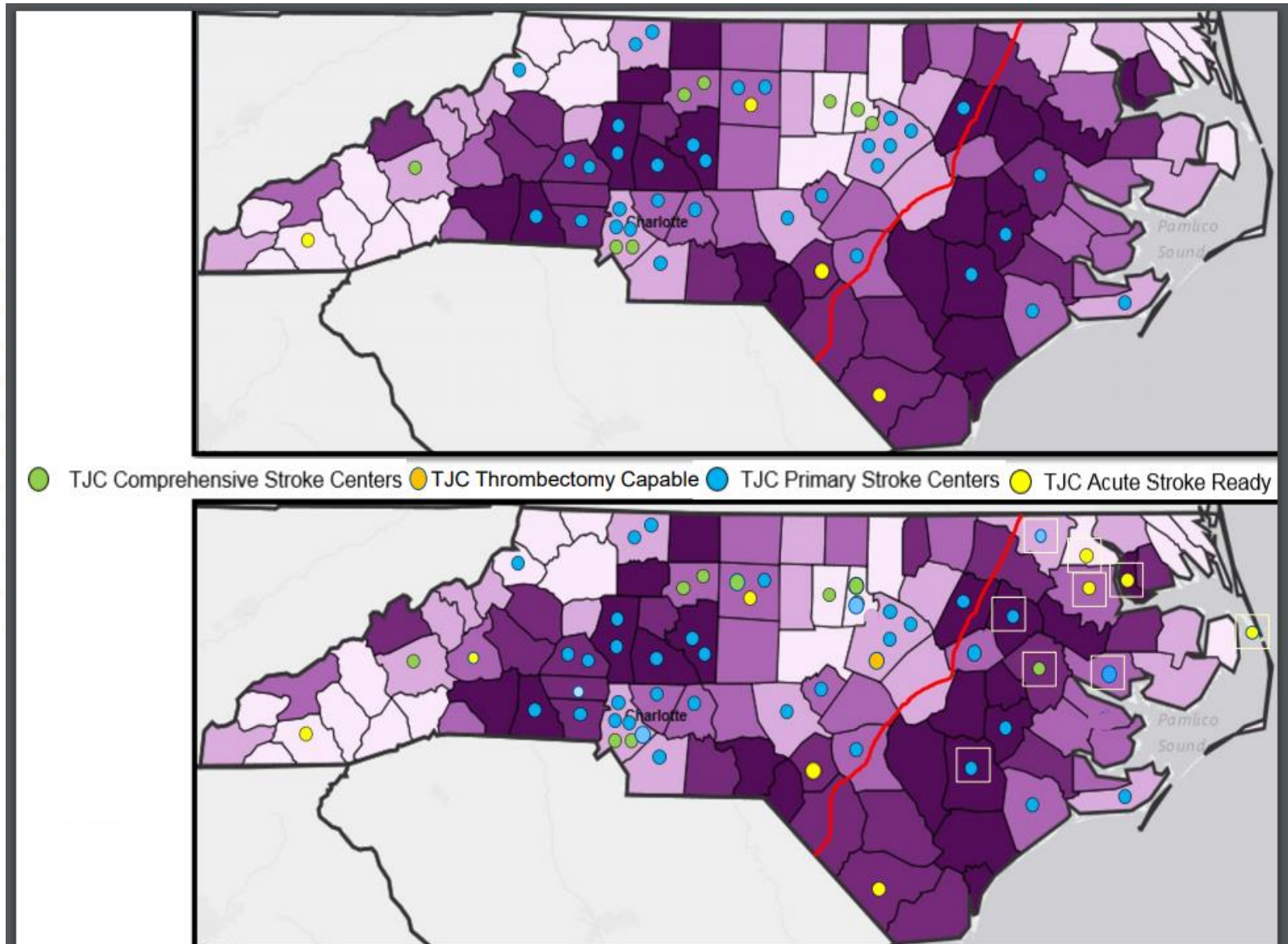
# Development of Regional Stroke System

- CSC: Vidant Medical Center
- PSC:
  - Vidant Edgecombe
  - Vidant Duplin
  - Vidant Roanoke Chowan Hospital
  - Vidant North
- ASR:
  - Vidant Chowan
  - Vidant Bertie
  - Outer Banks Hospital
- Pending Summer 2021: Vidant Beaufort



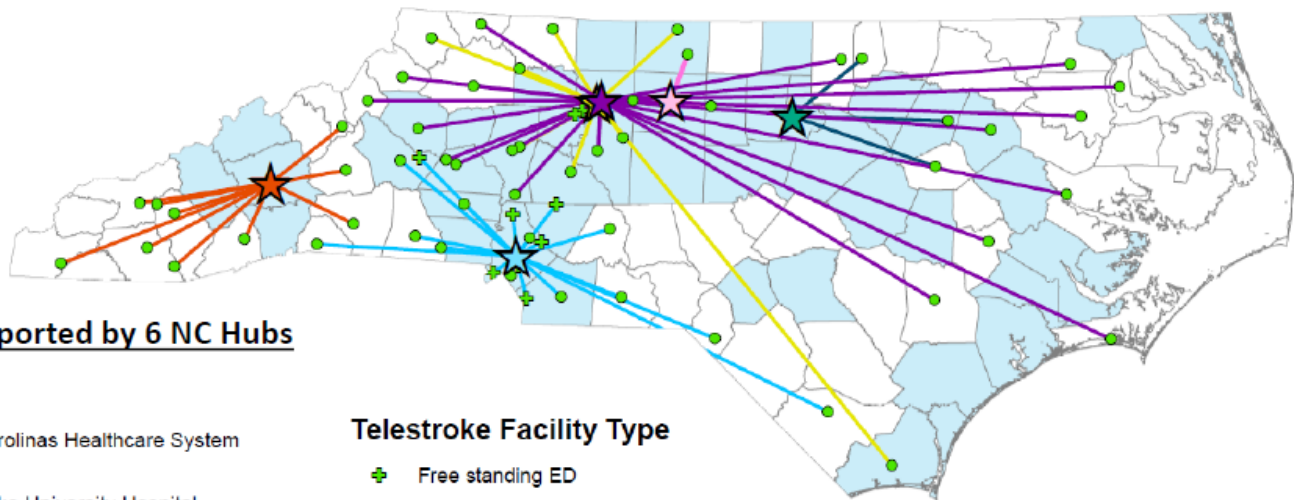


# Regional issues with access



# Regional solutions

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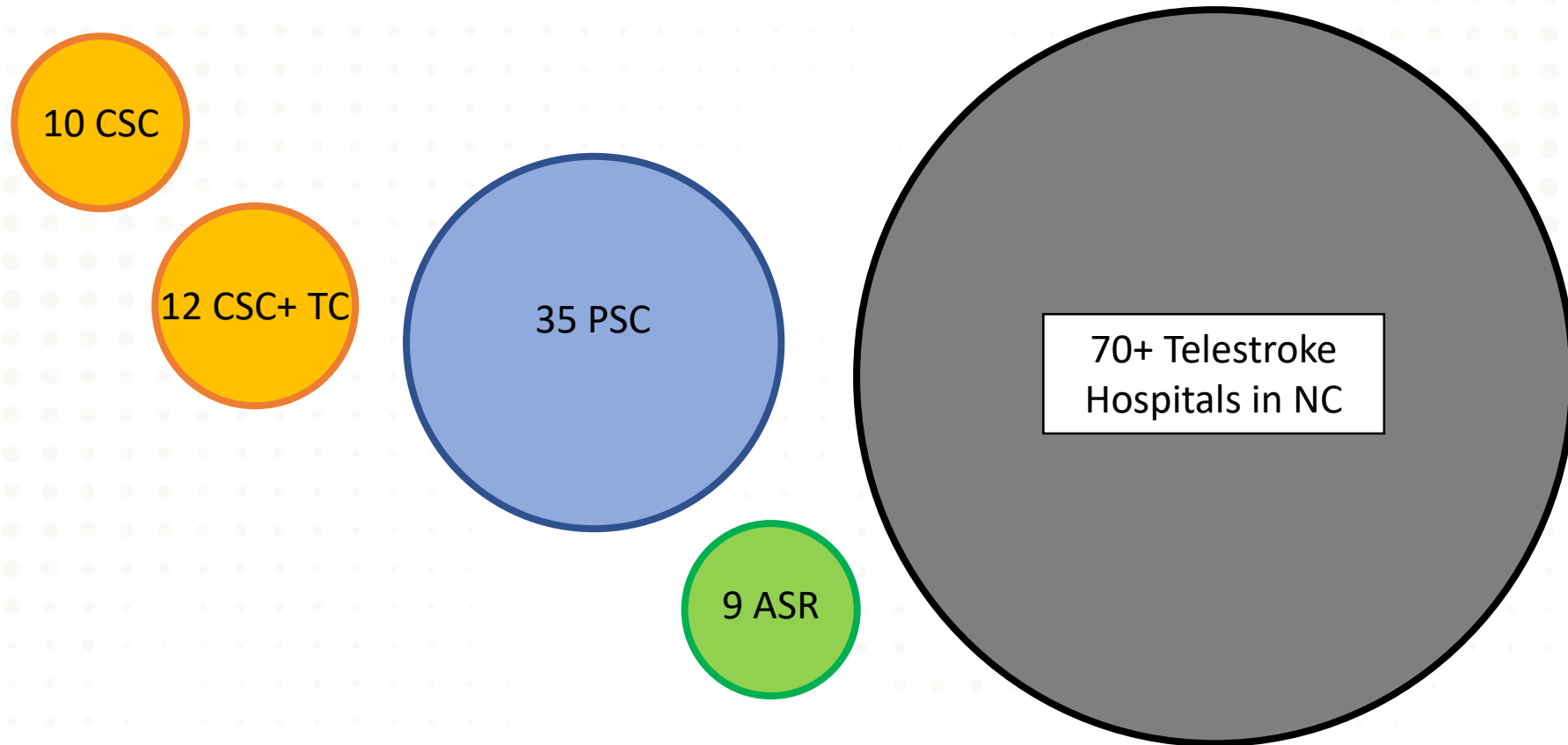
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# Expanded access to care with telestroke





# Thank you