



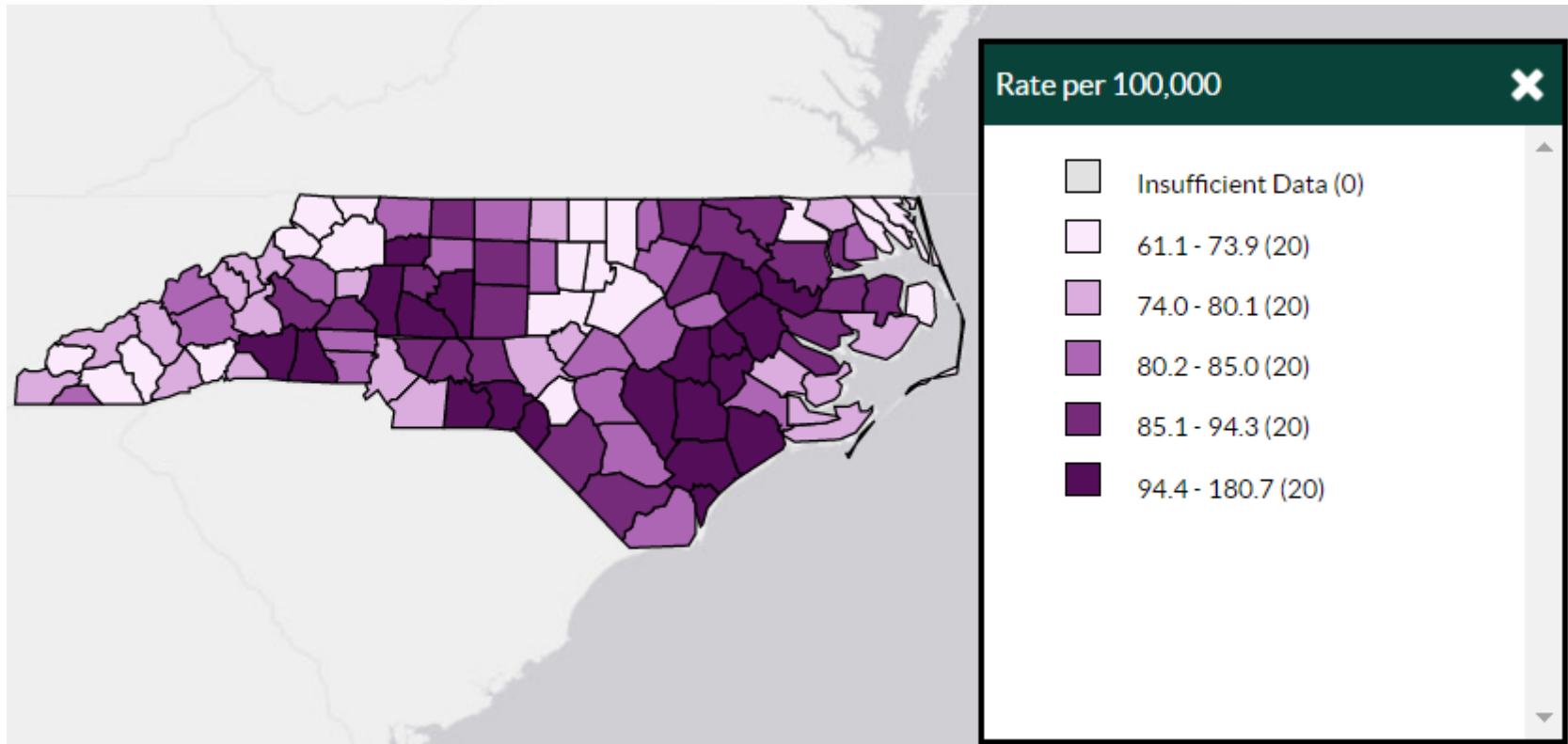
VIDANT HEALTH™

Stroke System of Care EastCare and EMS Partnership

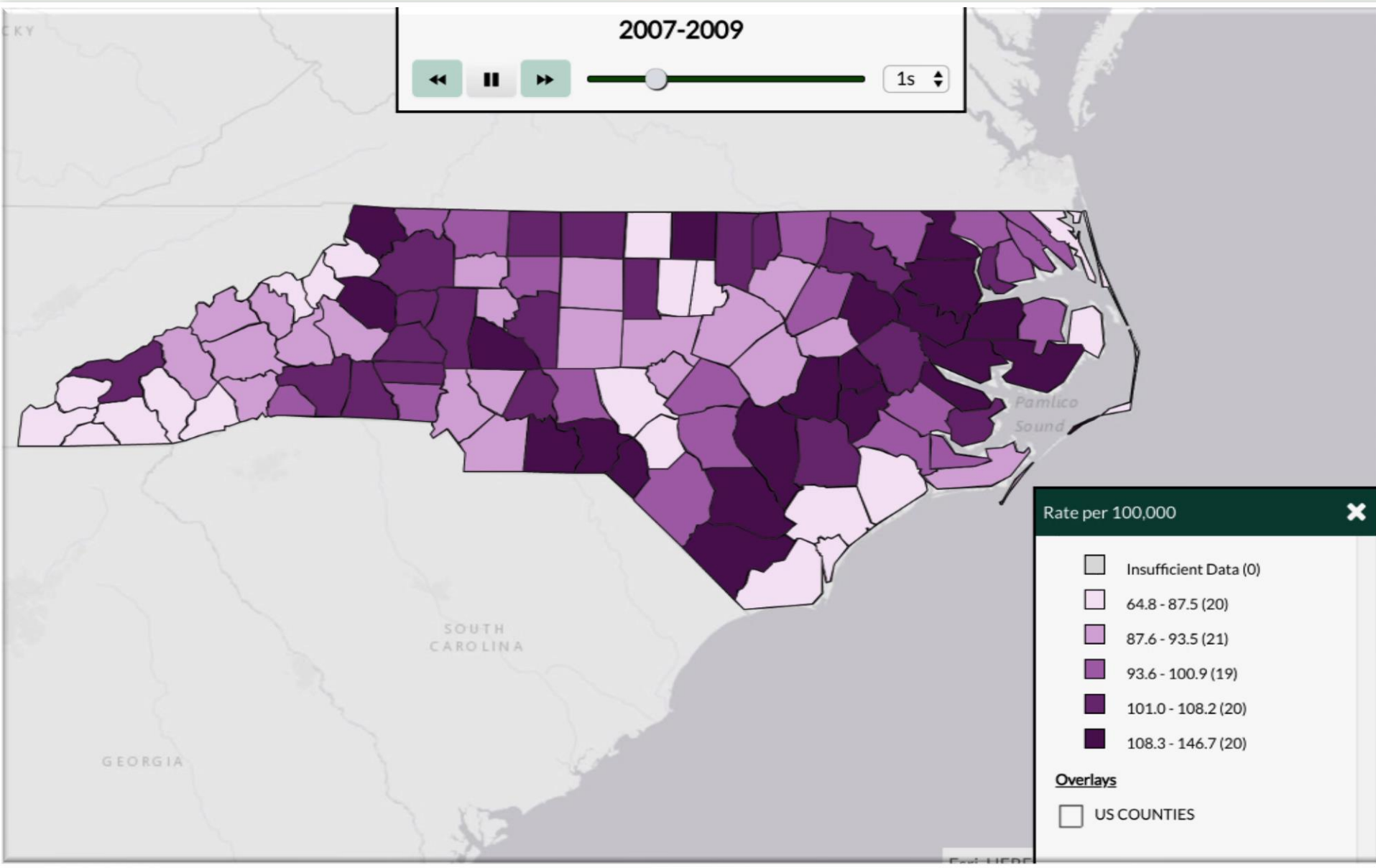
Chuck Strickland, FP-C, Paramedic, EastCare

JoAnna Keeter, RN, Vidant Edgecombe and Vidant Medical Center Regional Stroke Coordinator

Ashley Elks BSN, RN, PCCN-K, SCRNP, FAHA, Director Stroke and Neuroscience

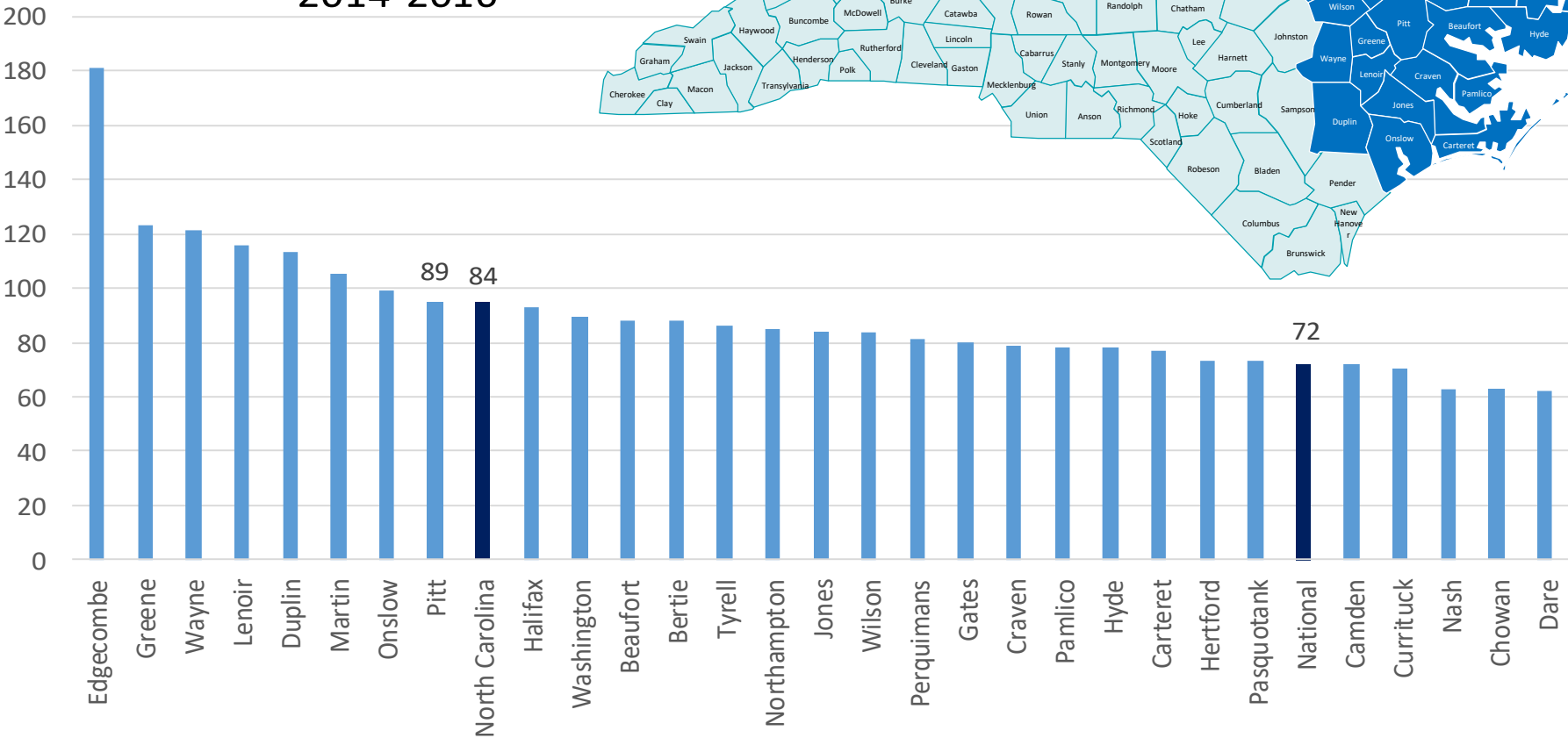


- The coastal plain of North Carolina is in the nation's "Stroke Buckle"
- Death rate from stroke is twice as high as the national average



Regional Stroke Prevalence

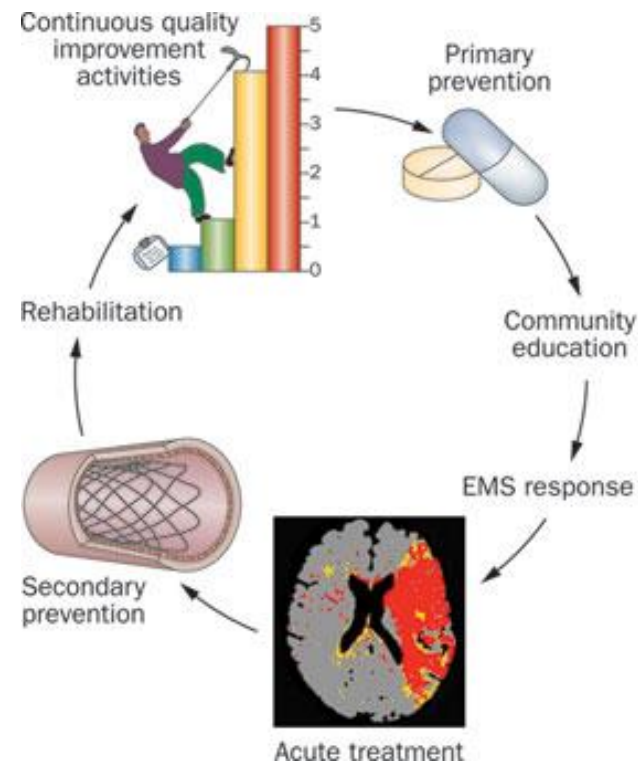
Stroke Death Rate
2014-2016



Stroke death rate per 100,000

Spring 2016

- Vidant committed to building a reliable system of care providing a comprehensive continuum of care for all hospitals in ENC
- Identify and address potential obstacles to success
- Ensure effective interaction and collaboration
- Promote use of an organized, standardized approach
- Establish regional clinical alignment and resource effectiveness



“Individual brilliance is inadequate in the absence of system organization”

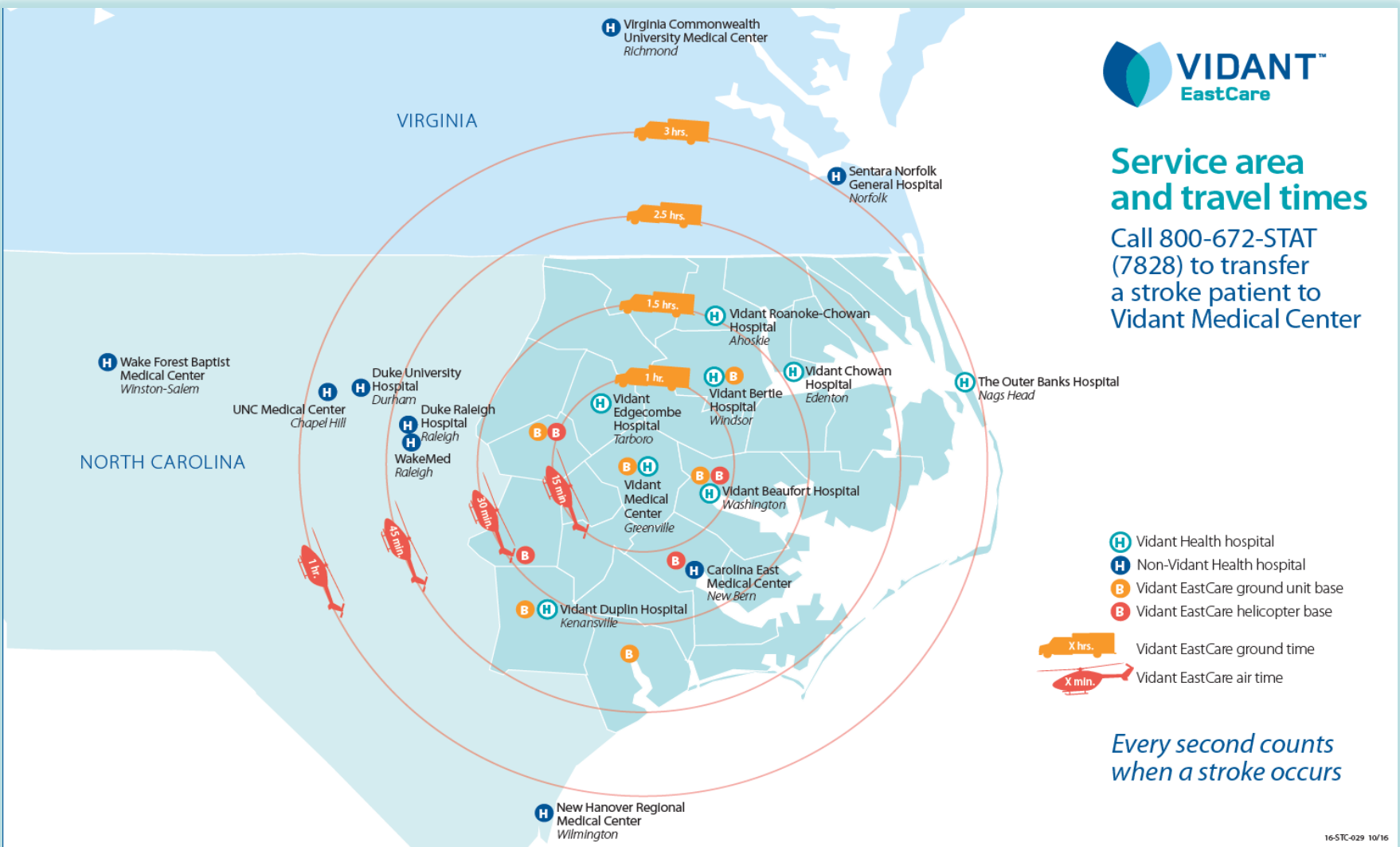
- VH Regional Stroke Committee
- System Stroke Certification
- Tele-stroke Program
- ***Collaborative Initiatives with Vidant EastCare and EMS***
- Centralized Data Abstraction
- Eastern North Carolina Stroke Network Committee
- Regional Education and Communication Plan
- Neuro-Critical Care Unit

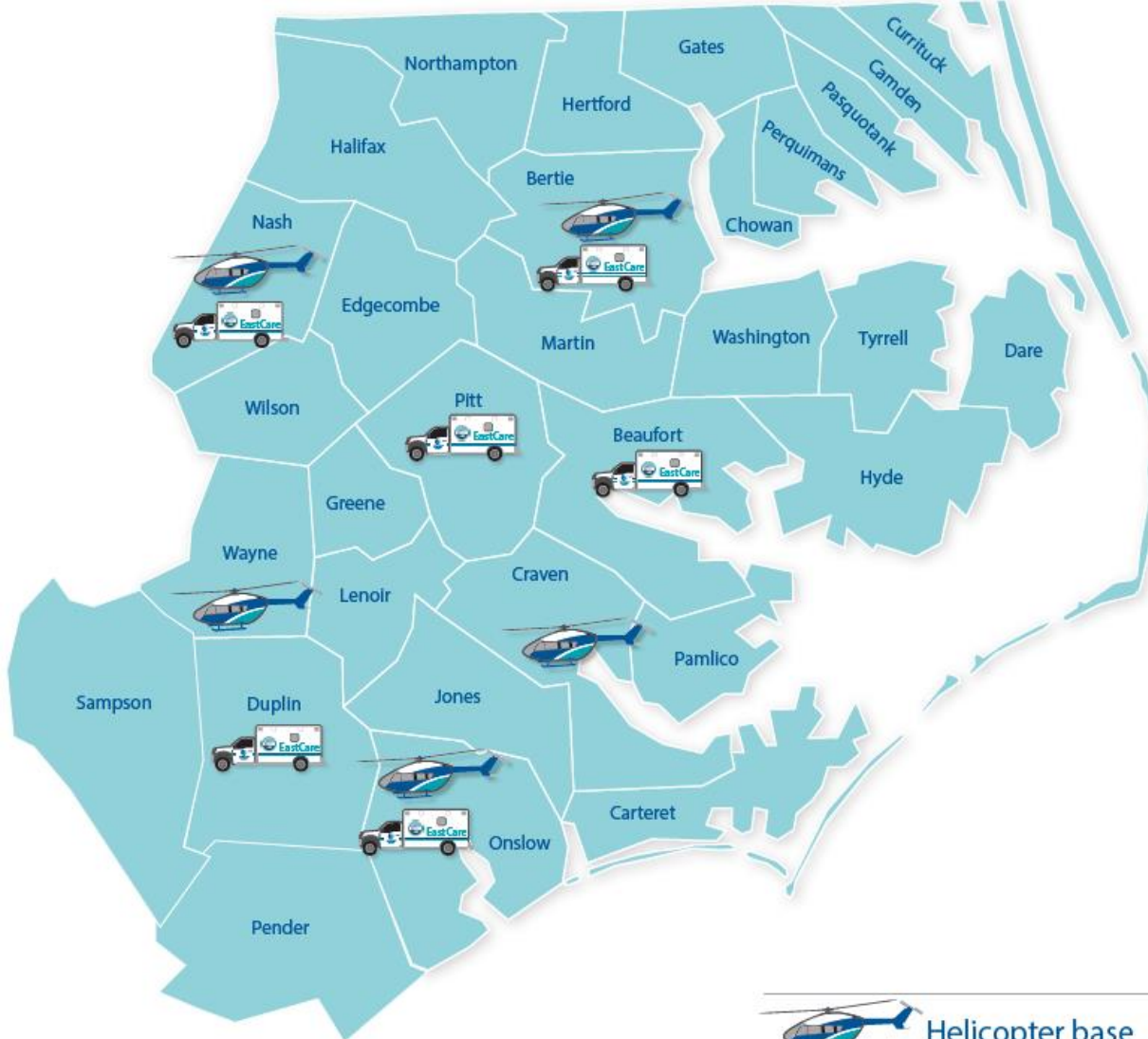
- Pre-notification
- RACE scale, scene runs
- Lab draws
- Patient feedback
- Embed EMS into Stroke Quality Committees

- Regional EMS educational opportunities



Auto-Accept and Auto-Launch



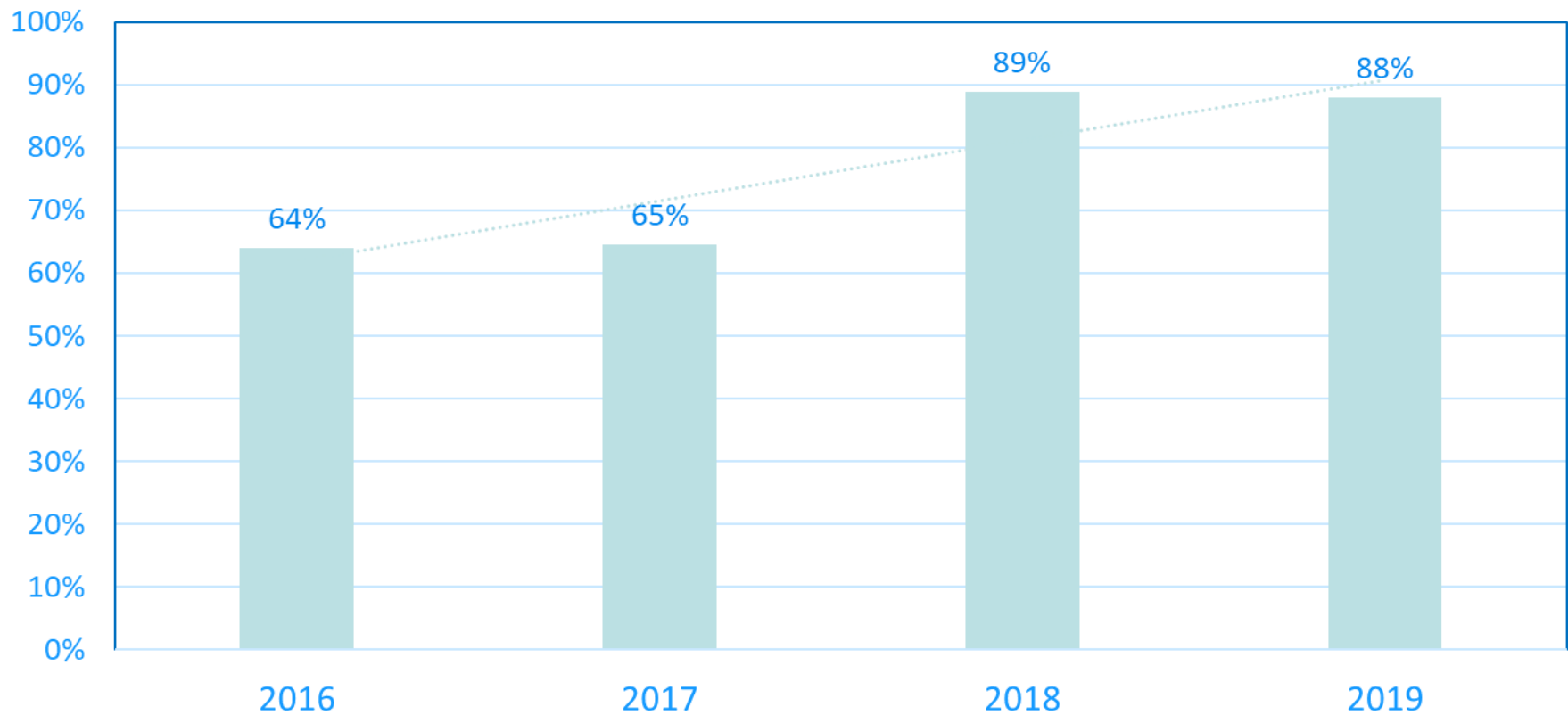


- Strategic placement of bases across ENC
- 5 helicopters
- 8 ambulances
- 10,000 transports per year

- Feedback provided on all stroke patients transferred to VMC
- Patient outcome
- Performance improvement
- Continuity of care
- Transparency

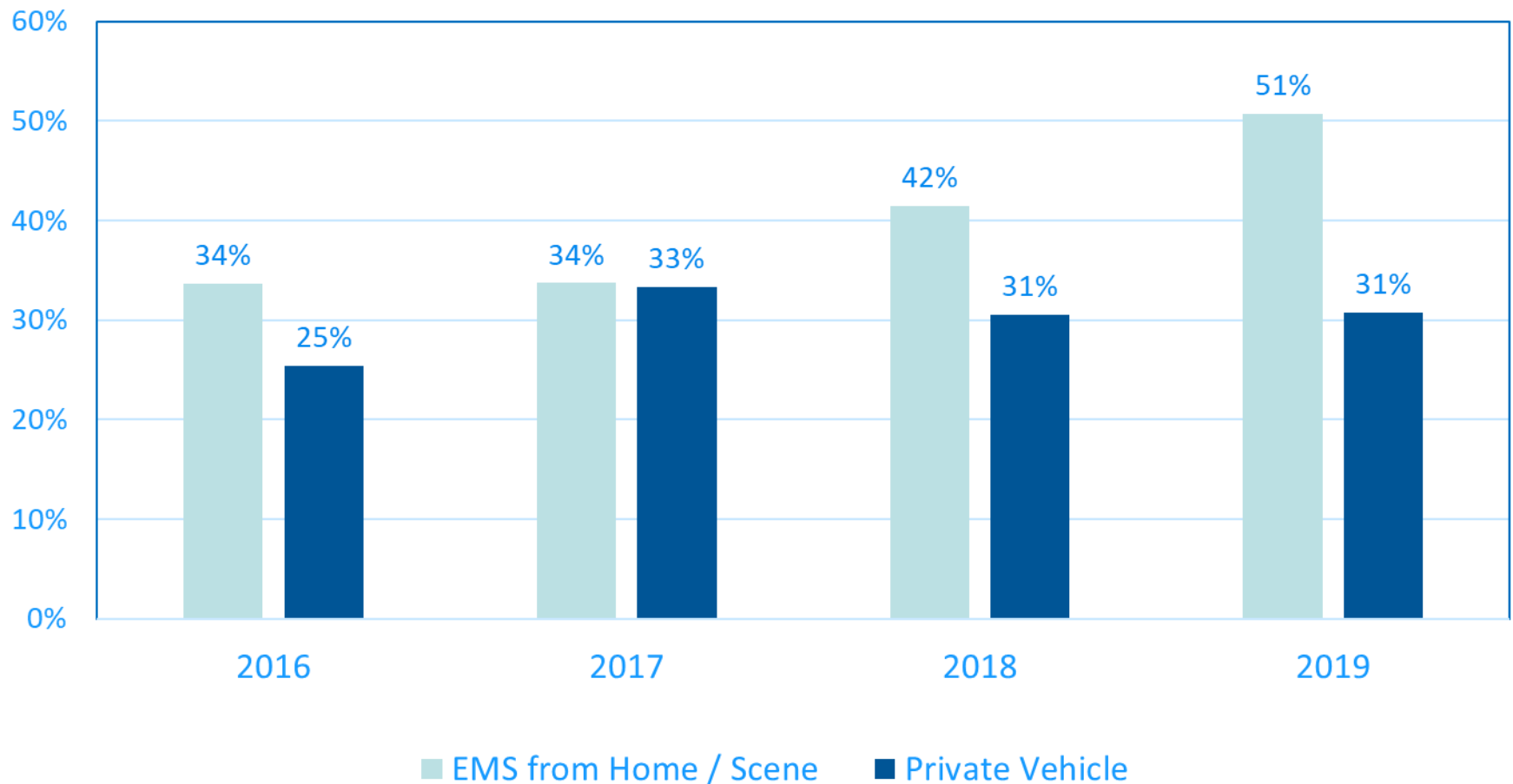
HAR	Admit Date	StrokeType	EC Alert	Alert Type	Activated	False Activa	EM	Race	EMS Score	FollowUp
VMC	12/01/2018 0:	CodeStroke	Y	Page	12/01/2018 11:0	N	EastCareAir			Transferred from Duplin- Not a TPA candidate due to ICH. Stroke work up continued on admission.
VMC	12/02/2018 0:	CodeStroke	Y	Page	12/02/2018 7:54	N	Pactolus			Patient not a TPA candidate due to CT revealing an ICH. Stroke work up continued on admission. Great Job!
VMC	12/02/2018 0:	CodeStroke	Y	Page	12/02/2018 15:4	N	GFR			Patient not a TPA candidate due to taking Xarelto with NIHSS 26. CTA negative for LVO. Stroke work up continued on admission. Good job!
VMC	12/03/2018 0:	TPA	Y	Page	12/03/2018 9:09	N	GFR			Patient received TPA. CTA negative for LVO. Stroke work up continued on admission. Great Job!

Vidant Health – Pre-notification by EMS

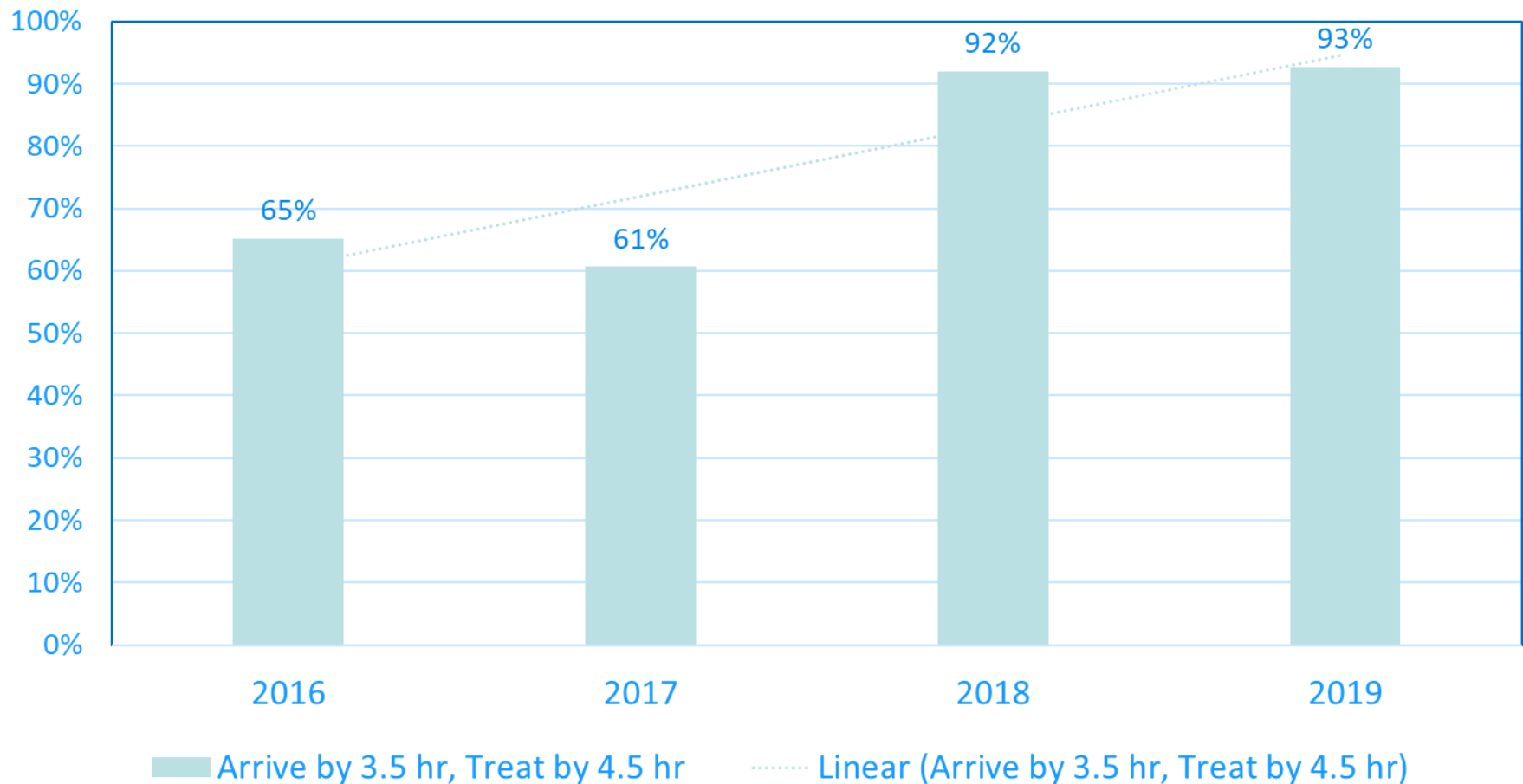


■ % of cases of advanced notification by EMS for patients transported by EMS from scene

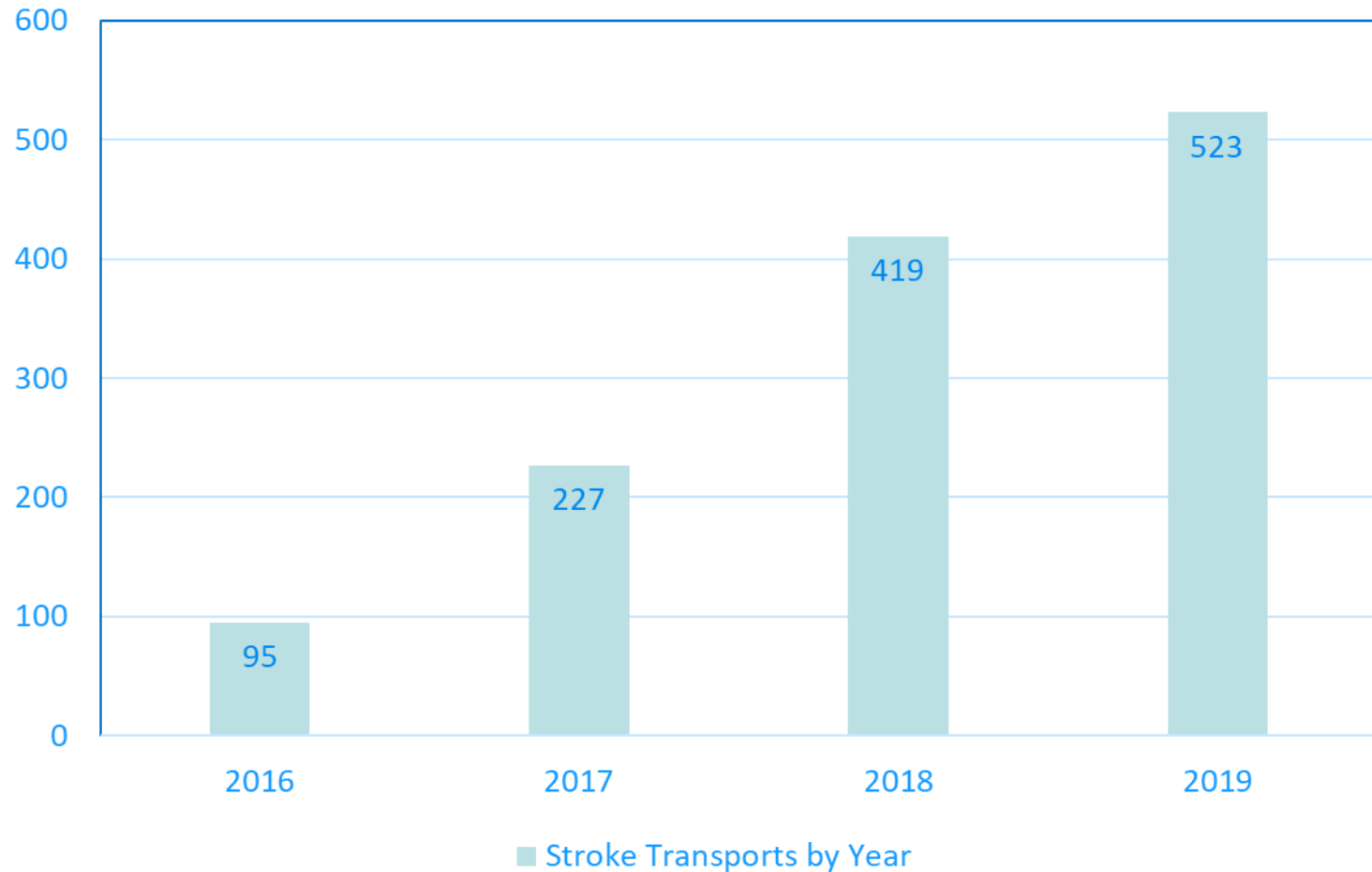
Vidant Health -- Arrival Mode for Stroke Patients



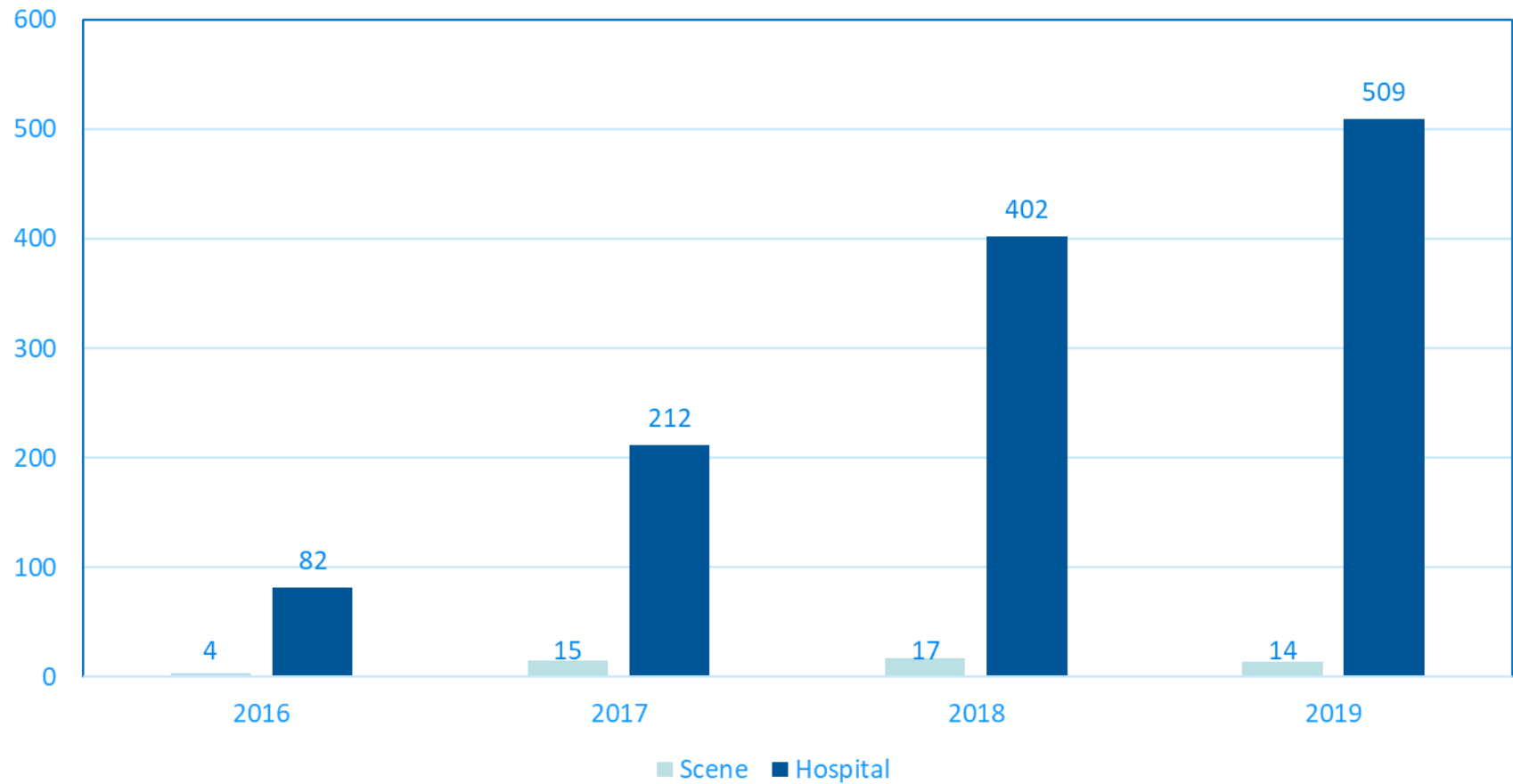
Vidant Health -- Arrival by 3.5 hour, Treat by 4.5 hour



EastCare Stroke Transports by Year



Scene Run Vs. Hospital Transfer



About the Workshop

The Eastern North Carolina Stroke Network (ENCSN) is composed of an interprofessional group of health professionals whose focus is stroke education and stroke patient care. It is a practice improvement focused opportunity to learn with and from each other to improve outcomes related to stroke prevention and care.

- **Vision:** The vision of the ENCSN is to be recognized as a leading resource for voluntary collaboration on stroke best practices in Eastern NC communities.
- **Mission:** The mission of the ENCSN is to improve the prevention, treatment, and quality of stroke care in Eastern NC through a coordinated regional system.
- **Values:** The values of the ENCSN are prevention, education, and access to quality care.

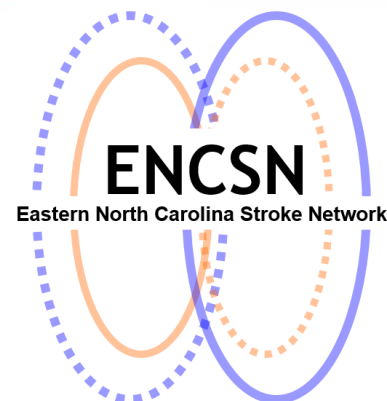
Objectives

Upon completion of this workshop, learners will be able to:

- Discuss the effectiveness of the Telestroke program in early recognition, treatment, and referrals of stroke patients presenting to the Emergency Department
- Review the protocols used to manage stroke patients in the pre-hospital setting
- Describe the path to obtaining Primary Stroke Certification
- Discuss resources and roles that impact successful transitions of care to rehab setting
- Discuss with panel experts the challenges and successes of stroke care in Eastern NC

Target Audience

Physicians, Nurse Practitioners, Nurses, Pharmacists, Physical Therapists, Occupational Therapists, Speech Therapists, Emergency Medical Service personnel and others who comprise the interdisciplinary team needed to provide a comprehensive continuum of care to stroke patients.



- Key stakeholders across the region (planning committee)
- Pre-acute, acute, post-acute providers
- Regional performance improvement initiatives
- Sharing of expertise
- Free of charge

- Certified as an ASLS Training Center since 2012
 - Providers from 85 NC towns have been trained
 - From 2012-present trained 861 providers and 198 EMS/Paramedics
- July 2017 – Trained 15 new ASLS Instructors (Duke Endowment Grant)
- Train the trainer model

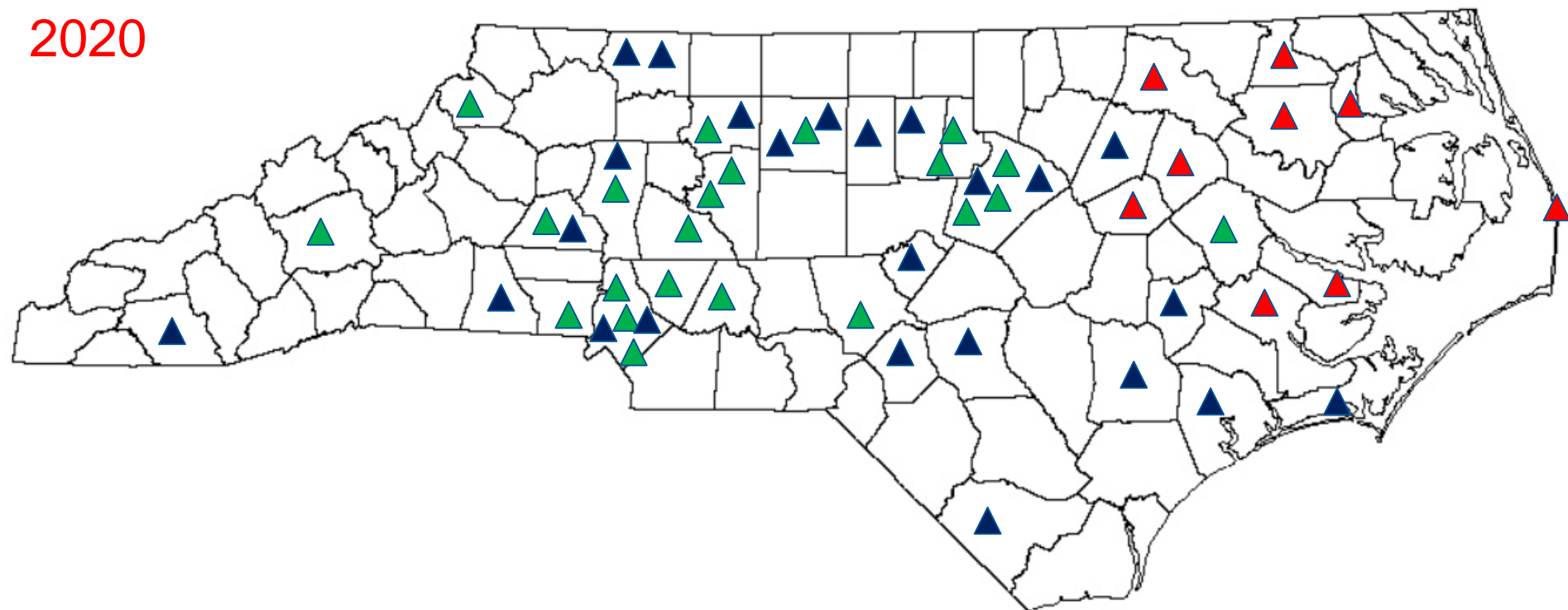


Joint Commission Stroke Certifications

2011

2016

2020





VIDANT HEALTH™

Questions & Conversation