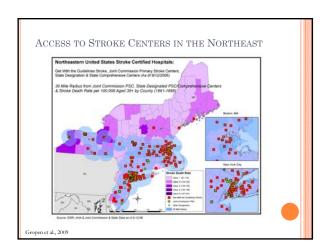
THE ALABAMA TELESTROKE NETWORK Toby I. Gropen, M.D., F.A.H.A.	
Dracenter Diselecture Information]
Presenter Disclosure Information	
Toby Gropen, MD, FAHA The Alabama Telestroke Network	
FINANCIAL DISCLOSURE:	
Total	
UNLABELED/UNAPPROVED USES DISCLOSURE:	
None	
]
Agenda	
o The Rationale and Evidence for Telestroke	
• The ideal Telestroke Program within the stroke	
system of care • Telestroke models	
• What is the Alabama Telestroke Network?	

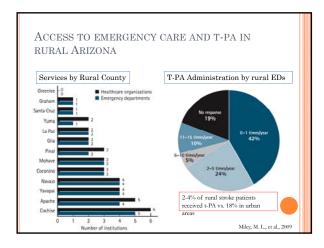
VASCULAR NEUROLOGIST SHORTAGE

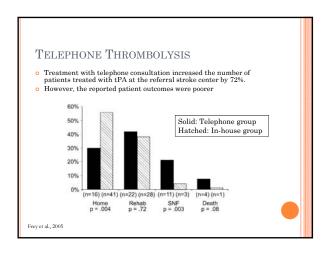
Year	2005	2006	2008	2009	2011	2012 (as per April 2012)
Total examinees	238	150	343	286	165	56
Grandfathering track	131	84	200	200	1	0
Non-ACGME fellowship track	102	56	92	33	2	0
ACGME fellowship track	5	3	45	37	140	50
Repeat examinees	0	7	6	16	13	6
Total certified	240	139	325	264	147	N/A

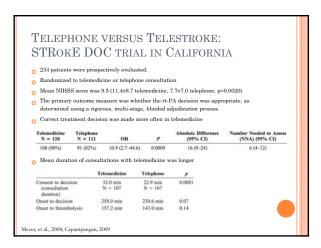
Total Vascular Neurologists=1115 717 strokes per VN per year

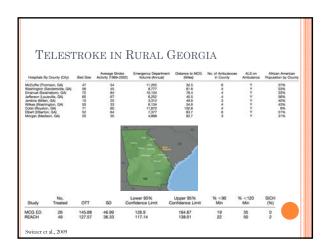
Leira, E.C., et al., 2013

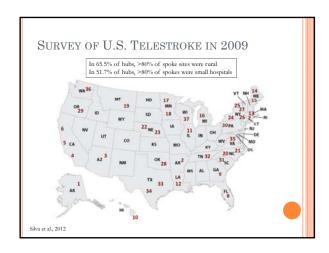


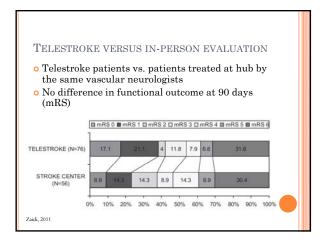


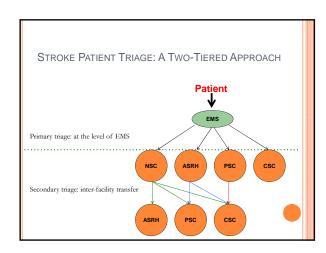


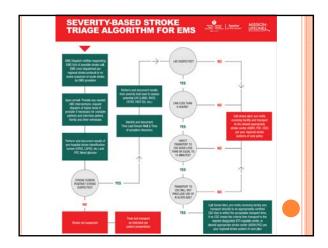








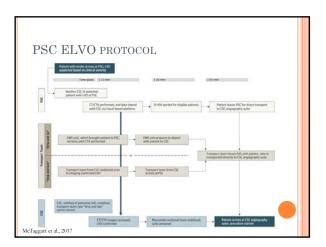


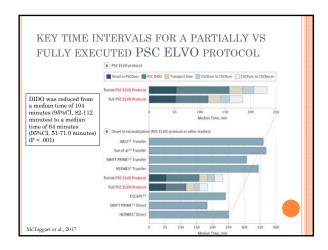


PSC ELVO PROTOCOL STUDY

- o Retrospective cohort study
- o 14 regional PSCs instructed on the use of a protocol for stroke patients with LAMS ≥ 4
 - ED physician does LAMS on potential stroke patients immediately upon their arrival to the PSC
 - For stroke patients with LAMS \geq 4, the CSC is notified immediately and CSC critical care transport team is dispatched
 - At PSC, CTA is performed concurrently with noncontract CT of the brain and within 30 minutes of arrival and imaging data is shared with the CSC using a cloud-based platform
 - All patients with confirmed ELVO are directly transported to the CSC angiography suite

McTaggart et al., 2017



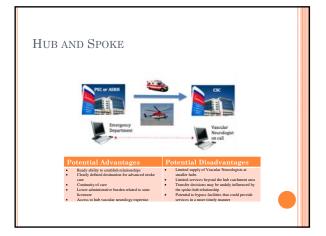


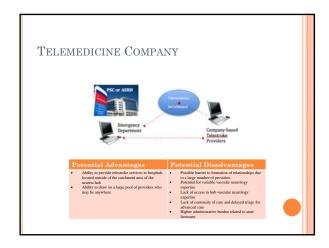
THE IDEAL TELESTROKE PROGRAM WITHIN THE STROKE SYSTEM OF CARE

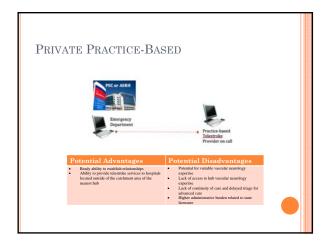
- o Provides high-quality, reliable, full-time vascular neurology consultation that is easily accessed
- Facilitates access to timely acute therapies

 - T-PA
 Mechanical thrombectomy
 - Neurosurgical and neurocritical care expertise
- o Facilitates appropriate and rapid triage based on patient needs, hospital capacity, and travel time
- Nonstroke patients who do not require transfer for stroke center services
- Stroke patients who may be managed without transfer Patients who require transfer for PSC or CSC services
- o Is integrated in the stroke system with

 - the prehospital EMSthe interfacility transfer process
 - Receiving facilities/providers in the event of secondary triage
- o Minimizes DIDO for patients who need a higher level of care







A PROPOSAL: THE ALABAMA TELESTROKE NETWORK

- Create a State-based network of telestroke provided by Alabama-based neurologists, the Alabama Telestroke Network (ATN)
- Link the Alabama Trauma Communication Center (ATCC) to the ATN by telemedicine to provide a novel model of medical control for stroke triage
- Goal is to provide high-quality telestroke consultation that is integrated with prehospital care and secondary triage/inter-facility transfer

