APPENDIX A

Item

Prehospital Stroke Screening Systems from Different Communities

■ Cincinnati Prehospital Stroke Scale

Description

Assess for the unilateral presence of at least one of the following:

Facial droop Arm drift Slurred speech	drift Ask the patient to hold both arms out with palms up and eyes closed for 10 seconds. Watch for a drift of one side. A positive result is present if there is weakness in one arm Weakness in both arms or normal strength is a negative test result.				
	Inability to repeat the words correctly and intellig	ibly is a posit	ive result.		
■ Los Angeles	Prehospital Stroke Scale				
Criteria		Yes	Unknown	No	
1 Age > 45					
2 No history of seizures					
3 Symptoms < 24 hrs					
4 Not wheelchair-bound or bedridden at baseline					
5 Glucose 60–400					
Assess symmetr	y in facial movement, hand grip, or arm strength				
		Normal	Right	Left	
Facial smile/grimace			\square Droop	\square Droop	
Grip			\square Weak	\square Weak	
			\square None	\square None	
Arm strength			\square Drifts	\square Drifts	
			down	down	
			□ Falls	\square Falls	
			rapidly	rapidly	
		Yes		No	
6 Based on exa	m, patient has only unilateral weakness				

Items 1-6 all Yes or Unknown, then LAPSS criteria are met. If LAPSS criteria are met, then call the receiving hospital with a "code stroke"; if not, then return to the appropriate treatment protocol. (*Note*: the patient may still be experiencing a stroke even if the LAPSS criteria are not met.) *From* Kidwell CS, Starkman S, Eckstein M, et al. Identifying stroke in the field. Prospective validation of the Los Angeles Prehospital Stroke Screen (LAPSS). *Stroke* 2000; 31: pp. 71-76.

■ Dallas Area Stroke Council Stroke Evaluation Sheet

		res	NO	unknown
1	Age 18 years old or older?			
2	Symptom(s) onset 3.5 hours or less?			
3	Are any of the following symptoms present?			
	a) Facial droop	e) Sudden abnormal speech		
	b) Sudden asymmetry in neurological exam	f) Sudden imbalance in walk	ing	
	c) Weak grip or loss of grip	g) Acute arm and/or leg weakness		
	d) Arm drift	h) Sudden loss of vision		

If the answers to questions 1, 2, and 3 are all "yes," the patient is considered to be having an acute stroke event under this protocol. If the answer to any of these 3 questions is "no" or "unknown," then the patient should be transported to the closest appropriate facility or to the hospital of the patient's choice.

■ BREMSS Stroke Observation Scale

Level of consciousness	Alert – 0 Requires stimulation – 2
Visual function	No deficit – 0 Any deficit – 2
Facial function	Symmetrical movements upon smiling – 0 Any lateralization – 2
Arm/leg movements	Normal symmetry – 0 Arm or leg weaker than contralateral – 2
Verbal function	Normal communication skills – 0 Abnormal articulation or language content – 2

Entering a patient into the Stroke System

- 1 Call the Trauma Communication Center (TCC) as soon as practical.
- 2 Identity yourself and your agency by name and number. If on-line medical direction is necessary, the receiving stroke hospital becomes medical direction. TCC will help coordinate on-line medical direction with a physician immediately.
- 3 Give location and request any additional resources needed.
- 4 Give age and sex of patient (patient name is not necessary).
- 5 Give criteria of entry.
- 6 Give vital signs BP, P, R, GCSS or AVPU, glucometer reading.
- 7 TCC will offer available stroke hospitals based on information given above.
- 8 Give transportation type/provider.
- 9 Give PCR number and time of transport.

The receiving stroke hospital should be updated by the transporting unit 5–10 minutes out. This update need only consist of any patient changes and patient's current condition. A repeat of information used to enter the patient into the stroke system is not necessary, as this information will be relayed by the TCC to the receiving stroke hospital.

After the patient is delivered to the stroke hospital, the transporting provider should call the TCC with Patient Care Report times.

■ West Central Florida EMS

	STROKE ALERT AGENC	Y	
Date:/Time:	Rescue Unit #:	Age	Male: ☐ Female: ☐
Pt. Name	lr	ncident #	
	CINCINNATI STROKE SO (check if abnorma	1)	
☐ F-(face) FACIAL DRC	OOP: Have patient smile or show tentor Normal: Both sides of the face maken Abnormal: One side of the patient	ove equally or not at	, .
☐ A-(arm) MOTOR W	EAKNESS: Arm drift (close eyes, ex Normal: Remain extended equally Abnormal: One arm drifts down	y, or drifts equally or	does not move at all.
	't teach an old dog new tricks" (repo Normal: Phrase is repeated clear Abnormal: Words are slurred (dy	ly and correctly. sarthria) or abnormal	(aphasia) or none.
	M ONSET:		
	Cell Phone		
	(if different)		
Cell Phone	Home	Pager	
Determ	STROKE ALERT criteria met – Tro ine if destination facility can handle	•	
PERTINENT HISTORY/SY/		evaluation:	
□ Cardiac Arrhythmias	☐ Head trauma at onset**	SpO2% (Glucose mg/dl
☐ Weakness/numbness	☐ Seizure at onset**	TREATMENT:	
□ Dizziness	□ On Coumadin (Warfarin)**	Head Elevation > 30 (unless hypotensive)	
□ Headache, Nausea/ Vomiting, Neck Pain*	 Recent or current bleeding, trauma, surgery, or invasive procedure** 	IV NaCl (2 sites preferred, draw labs) O2 @ 2 L/min (unless hypoxic then high flow	
□ Visual Disturbances	□ Bleeding Disorder**	Drug Therapy	,,
☐ Other	□ Pregnancy**	Other	
	oresent, was onset that of a classic ""?: YES NO (if yes, co		e that is the
Vital Signs: P:	R: BP: Lt:		Rt:
Onset 2-4 hours, 0 * For suspected of	e potentially contraindicated: consider tran	a-cerebral thrombolytics	
Hospital Destination:	Time Stroke Alert called:		
Name of hospital contact p	person:	Time arriv	ved at hospital