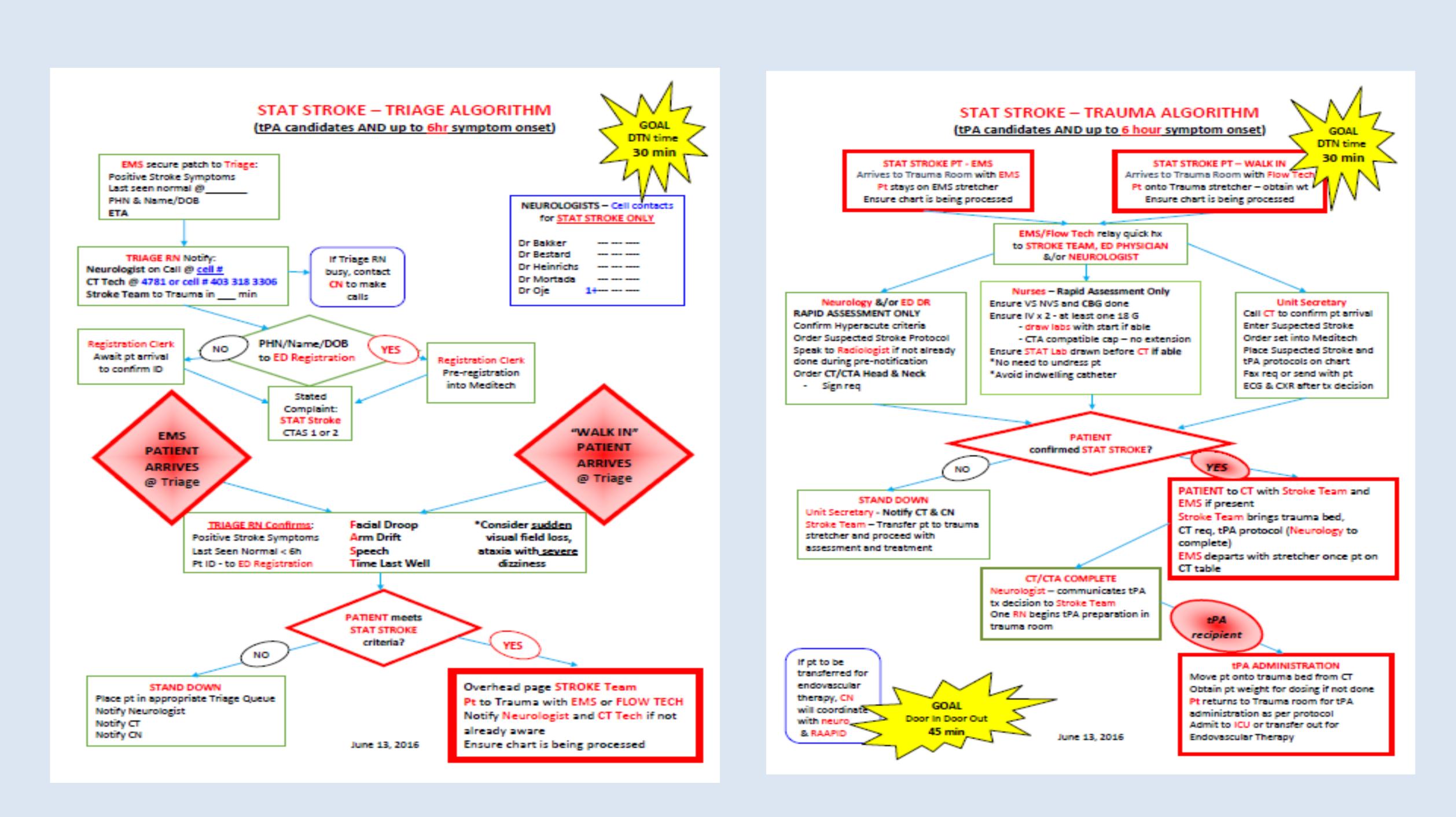


Quality Improvement & Clinical Research Alberta Stroke Program

The Team

- Dr Jennifer Bestard, neurologist
- Dr Oje Imoukhuede, neurologist
- Emergency Department staff
 - Laura Fowler, Clinical Educator
 - Carol Stoyberg, Assistant Head Nurse
 - Deb Currie, Staff Nurse, ESim Consultant
 - Tanya Dixon, Charge Nurse
- Elaine Shand, Stroke Coordinator





Red Deer Regional Hospital Centre

Changes Implemented

New Triage and Trauma Room STAT STROKE algorithms Patient pre-registration through EMS patch to triage • Pre-notification to neurologist, CT tech, radiologist, ED

staff and physicians

"Stroke Team" overhead page upon patient arrival • Patient "swarm"

"Direct to CT" process via Trauma Room Rapid Assessment

Successes:

 Collaborative TEAM improvement effort Included all departments involved in **STAT STROKE** process

- EMS
- Admitting registration clerks
- Emergency Department nurses, physicians, unit clerks, pharmacists
- Neurologists
- Diagnostic Imaging CT techs, Radiologists
- Lab

 Lowered DTN median from 72 minutes (2014) to 30 minutes in 2016 (to Aug 15th)!!!





	Red Deer Performance											
	Vear of	Month of			Door-to-CT							Measure Names
Months with Median DTN ≦ 30 min!	Year of Date (yyyy		0 20	40	60	80	100	120	140	160	180	DTN
	2015	September October	27	10- <mark>09-26; DTN=</mark>								Door-to-CT
				5–10-25; DTN=2								
			2	015-10-06; DTN								
				2015-10-05;		45.0						
					10-17; DTN= 10-18; DTN=							
					-10-25; DTN							
		November		2015-11-14;								
					4; DTN=38.0							
				38.0					2015-11-27	; DTN=131.0		
		December		2015-12-12; D								
				33.5 <mark>-12-03</mark> ;								
		January		01-18; DTN=21.								
				2016-01-05; DT								
		February		31.0 2 -02-16; DTN=23	016-01-15;	DIN=53.0						
				2016-02-21; DTN								
				9.0 2016-02-08								
		March		016-03-06; DTN								
				2016-03-05; DT	N=31.0							
				2016-03-25;								
				2016-03-09;								
				34.0 2016-0		3.0						
	2016	April		-04-05; DTN=23 016-04-16; DTN								
				9.0 <mark>-04-05; DT</mark>								
				5-15; DTN=19.0								
		May		-05–15; DTN=22								
		June		21; DTN=16.0								
			201	6-06-06; DTN=2	5.0							
				2016-06-15; D	TN=32.0							
					2016-06	-03; DTN=60	0.0					
				32.0					2016	-06-11; DTN	=197.0	
	-	July		-07; DTN=18.0	0							
				07-03; DTN=22								
				2016-07-21;								
			0 20	40	60	80	100	120	140	160	180	
			0 20	40	00	00 DTI		120	140	100	100	

by verticle line for each month.









