



Changes Implemented

Changes:

- EMS stretcher to CT & back
- Stroke Team Activation
- Stroke Package for staff
- Parallel process flow algorithm
- Nurse driven, team oriented
- DI – specific protocol for acute/stat stroke

Other Improvements:

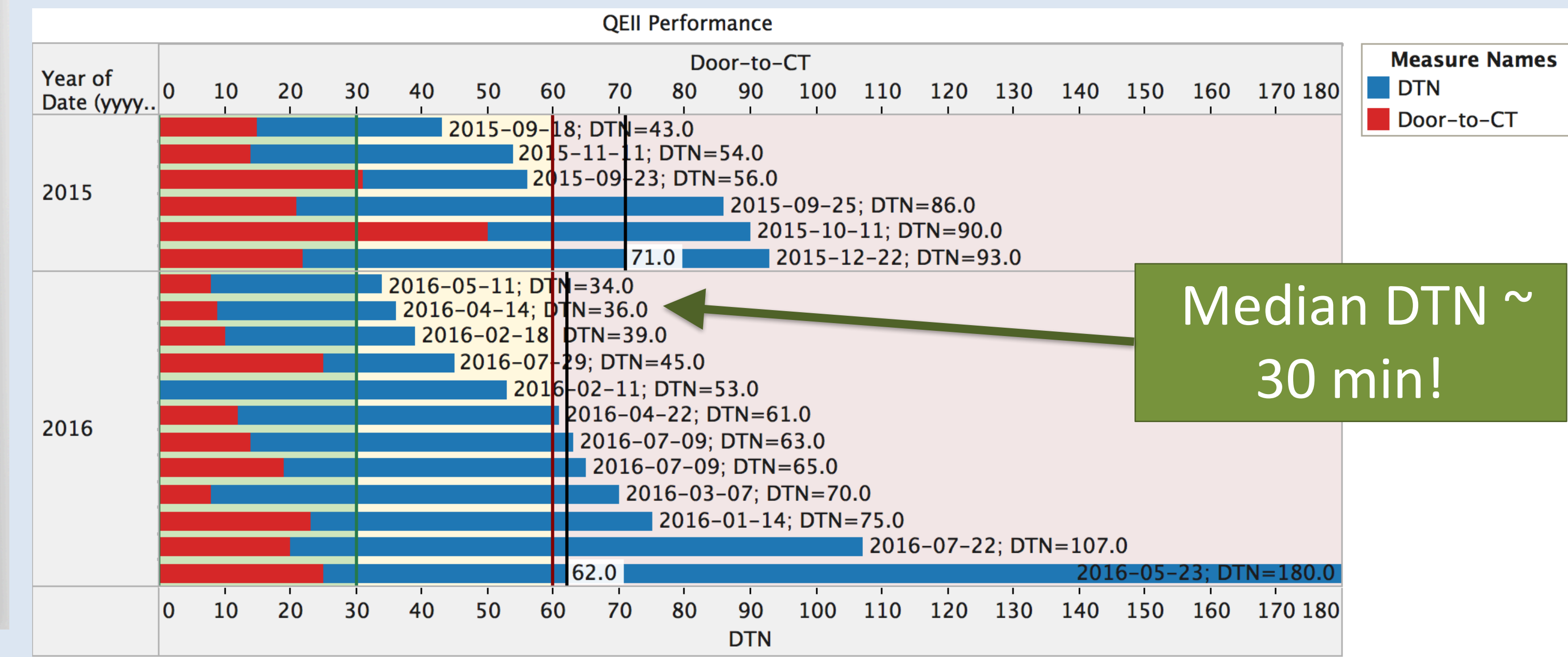
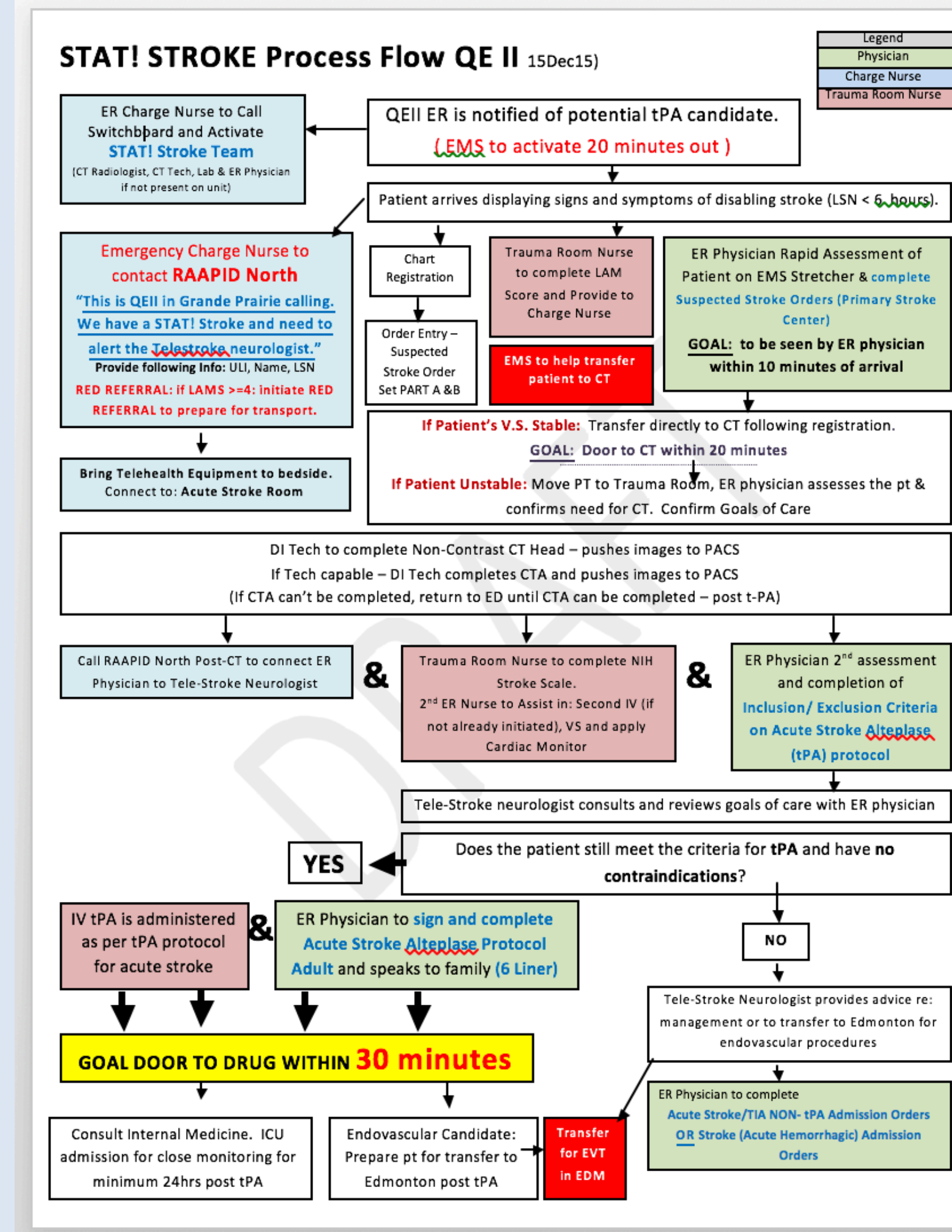
- Specific protocol for Acute STAT! Stroke for CT –images (direct transfer of images)
- Staff buy-in
 - Increased recognition for times
 - Excitement about STA and autonomy
- Increase in Education and Training
 - TORBSST
 - Stroke Care
- Healthy Competition (between nurses and between physicians)

How QuICR Helped:

- Sharing of common struggles
- Group collaboration
 - Decreased silos and improved communication
- Potential of new idea implementation
- Improved staff buy-in with process

Future

- Changes to Meditech Order Entry for Strokes
- Updates to Stroke Packages
- LAMS
- Pre-Registration
 - EMS pre-notification
- Improved Physician buy-in / awareness



QE II QuICR Team



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EMS

QE II Nurses



STROKE PACKAGE

Package Includes	
Physician	Nursing
Suspected Stroke Orders (Primary Stroke Center)	Stroke Team Activation Switchboard
APSS Hypertension Management Guidelines	Telestroke/TPA Process Flow QE II
Acute Stroke (Alteplase)-PA Protocol Adult - Inclusion / Exclusion Criteria	NIH Stroke Scale & Tools
Clot Busting for Stroke Patient and Family Discussion (6-liner)	Foley Catheter & APSS Hypertension Management Guidelines
Acute Stroke (Alteplase)-PA Protocol Adult ER Orders	Acute Stroke (Alteplase)-PA Protocol Adult ER Orders
Transient Ischemic Attack(TIA) ER Orders	Stroke & t-PA Administration Patient and Family Information Sheet
Edmonton Stroke Prevention Clinic Referral and EZ TIA/Non-Disabling Stroke High/Moderate/Low Risk Guideline	Alaris/Buretrol t-PA Set Up Help Guide
Admission Orders Stroke (Acute Hemorrhagic)	Nursing Trauma In/Out Record with Nursing Notes
Admission Orders Stroke (Acute Ischemic) /TIA NON-tPA Inpatient	Stroke tPA Vital Signs Cheat Sheet
The Toronto Bedside Swallowing Screening Test (TORBSST) & NPO Sign Stroke Protocol Process Evaluation-Primary Stroke Centers Discharge Information for Patients with TIA	
RAAPID NORTH 1-800-282-9911	
*not all paperwork included needs to be used, label only what you need	



this is for reference and assistance only, and not part of the Patients Health Record

STROKE tPA VITAL SIGNS CHEAT SH

Vital Signs and Neuro Vital Signs	NIHSS			Capillary BGL					
	Freq	Time	✓	Freq	Time	✓	Q4H	Time	✓
Durin g Infusi on Q15	1-tPA Bolus			Baseli ne			1		
	2			2			2		
	3			3			3		
	4			4			4		
	1			5			5		
	2								
	3								
Q15 min x Zhou rs	4			notify physician if greater than 8mmol/L or less than 4mmol/L					
	5			notify physician immediately if there is a noted NIHSS change					
	6			Angioedema					
	7			Intervention					
	8			Patient NPO x6hrs post t-					
	1			TORBSST Completed					
	2			Foley Catheter					
	3			IF NO Foley, assess voiding					
	4			Bladder					
Q30 min x6ho urs	5			a TORBSST can be reassessed q4ht, or with a change in patient condition					
	6			patients on ACE inhibitors are at higher risk					
	7								
	8								
	9								
	10								
	11								
	12								
Q1H x 16hours then Q4H x 48hours	Ensure all nursing activities are appropriate on the NURSING PARAMETER RECORD								



STAT! STROKE TEAM ACTIVATION

What is R? The STAT! Stroke team activation is initiated by the Charge Nurse in the Emergency Department when an Acute Stroke Patient is present to the Emergency Department.

What does it mean? When the STAT! Stroke Team is activated, the Switchboard is sending the page 1234 to the pages of staff involved in the Stroke Team.

Who comprises the Stroke Team? ER PHYSICIAN (if off unit), Radiologist on call, CT Tech and Lab Assistant

What do we do when paged? ER Physician-report to the Emergency Department, Radiologist-alert switchboard page received, CT Tech-alert switchboard page received-speak to ER Charge Nurse regarding ETA of patient or current Location, Lab-report to the Emergency Department

What if I don't receive the Page? Switchboard will re-page Radiologist and CT Tech Q5min until Answer received.

STEPS:

1. Charge Nurse Receives Phone call, or Triage Nurse Charge of Suspected Acute Stroke
2. Phone Switchboard at 7777
3. Ask for STAT! STROKE TEAM ACTIVATION, state if ER Physician is present in Unit or Not
4. When CT Tech Calls, communicate:
 - a. Location of patient (EMS inbound-#min, Patient from Triage- in Room #,?)
5. Take Patient to CT only when CT Tech, or Xray Tech calls to say they are ready.



TIME IS BRAIN



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