

Changes Implemented

Strategies:

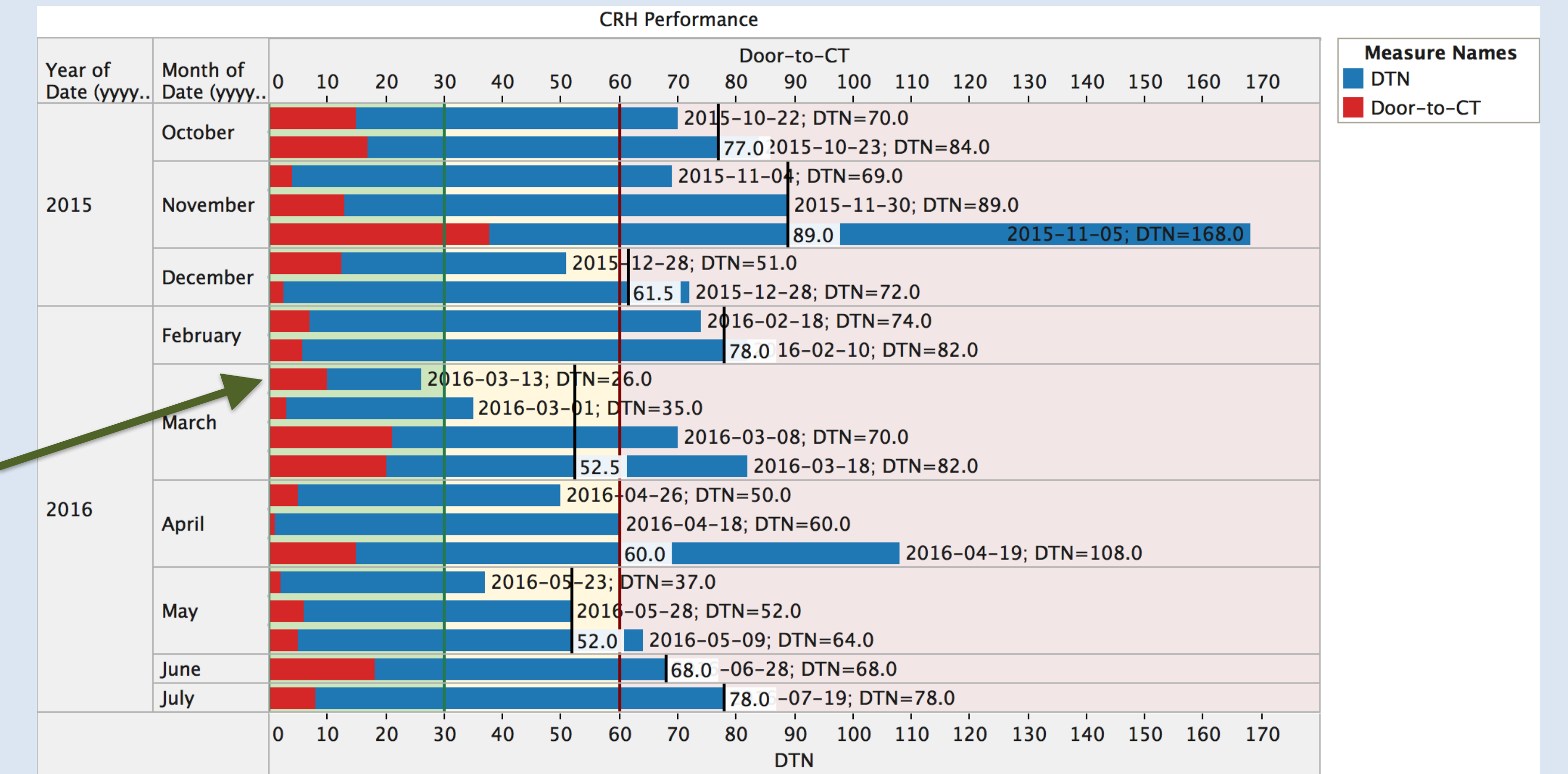
- To initiate a Stroke Alert Protocol (October 2015)
- Update our current Stroke Tote
- Improve EMS Pre-notification and Stroke screen use
- Development of an IT protocol for accessing South Zone PACS images on Citrix (MyAPPs) for use by Calgary Neurologists to improve time to access images (December 2015)
- Created a CTSTROKE code which prints out a req. for CT HEAD & CT CTA HEAD & NECK
- Improve communication and response times when using Telestroke by improving communication with Calgary Neurologists via RAAPID

Changes:

- Increase in diagnostic Imaging hours to provide CT/CTA coverage until 2315 started September 2015
- The CRH Stroke Alert Protocol started October 19 with several revisions to help guide the process connecting with Telestroke service.
- Improved pre-notification and use of stroke screen by EMS (Local and Rural)
- PACS/RIS team created a CTSTROKE code which prints out a req. for CT HEAD & CT CTA HEAD & NECK saving time on entering the two exams
- Team approach was utilized to improve hyper-acute stroke care outcomes.
- Neurology Team will increase to three neurologists in October 2016
- Increase in education supporting hyper-acute Stroke Care given to ED/ICU and EMS staff in a timely manner

The Team

- Corinna Hartley:** Stroke Coordinator
- Kevin Reedyk:** ED Nursing Manager
- Tony Winder, MD:** Neurologist
- Kevin Martin, MD:** ED chief
- Lee Brewerton, MD:** Radiologist
- Dana Meroniuk:** DI Manager
- Troy Linderman:** Manager of Operations South Zone EMS
- Pam Kaytor:** ED Manager
- Diane Gove:** Angiography Supervisor
- Pam Dooper:** Stroke Coordinator (former)



Median DTN ≤ 30 min!

Door to Needle times and Door to CT times for Chinook Regional Hospital since the start of the QuICR DTN initiative. Median is shown by vertical line for each month.

Alberta Health Services

Date: _____ Patient ETA: _____

Emergency Department STROKE ALERT

Make Emergency Department announcement over paging system (only in ED department) with an ETA _____ (Time)

Neurologist Called with ETA

- Local _____ (Time) Call as soon as patch is received.
- or
- RAAPID _____ (Time)

Use wording "STAT Stroke" when calling RAAPID as soon as patient has arrived in triage.

- Tele-stroke consult _____ (Time)

CT called with ETA _____ (Time)

Please inform CT tech if there is no Local Neurology coverage so Diagnostic Imaging can push images!

- Day 0700-1700 ext. # 1687: CT tech
- Evening 1700-2315 ext.# 6629: Rad tech/CT Tech
- Night 2315-0700 pager # 220: Rad tech

*Note: If a CTA is needed between 2315-0700 the ED physician or neurologist must have discussion with radiologist on call in order to have the CT tech on call come in to complete test. Radiology tech can only complete dry CT.

Lab called with ETA(extension 6056) _____ (Time)

Place ED Acute Stroke order set and ED Acute Stroke Nursing management forms on patient clipboard _____

Please Place Stroke Alert form and copy of RAAPID referral summary in the ED managers mailbox when completed _____

Person Completing Notification Form: _____
(Last name, first name and initials)

Alberta Health Services

STROKE ALERT ACTIVATION

Stroke Alert Criteria:

EMS pre-notification report = Positive Cincinnati Score
or
Any **One Red Finding** in the following areas

F- Facial Droop or Asymmetry
A- Arms can they raise both
S- Speech having difficulty with verbal expression
T- Time less than 6 hours or awoke with stroke symptoms

Activation :

- Triage Nurse** makes the decision to activate the Stroke Alert and notifies Unit Clerk of patient's ETA
- Unit Clerk**
 - Makes overhead announcement in ED department "Stroke Patient Arrival in _____ Minutes"
 - Calls Stroke Team Members
 - Monitors Response times from Stroke Team
- Send patient for **STAT CT** via EMS

Stroke Team Members include:

- ED physician
- Neurology Local or Calgary Via RAAPID
- ED RN
- CT or RAD Tech
- Radiologist
- Lab
- Unit Clerk



Learning

26 Minute DTN

What went well

- Pre-notification
- Stroke Alert
- Locum coverage
- Team Approach

Some of the members of 26 min. DTN team

Improvements

- PACS/RIS team created a CTSTROKE code which prints out a req. for CT HEAD & CT CTA HEAD & NECK

This saves time on entering the two exams separately.

