ENDOVASCULAR THERAPY: SYSTEM VALUE & IMPACT

Endovascular Therapy for stroke (EVT) is now the standard of care, led through the work of Alberta's Cardiovascular Health and Stroke Strategic Clinical Network™

Alberta Health Services — Inspiring solutions. Together.
Cardiovascular Health & Stroke Strategic Clinical Network™

Quick Facts:

Two comprehensive stroke centres and 15 primary stroke centres in Alberta.

$3.2 million approved to support increase in EVT procedures at University of Alberta Hospital, Foothills Medical Centre, and Diagnostic Imaging in 2017.

Outcomes:

ESCAPE* trial: 50% reduction in mortality

ESCAPE* trial: 30% reduction in disability

57% increase in procedures since 2017

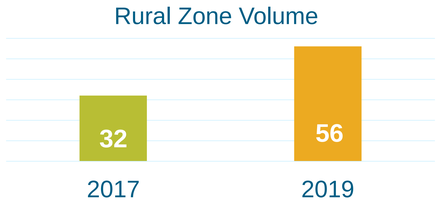
*ESCAPE- Endovascular treatment for Small Core and Anterior circulation Proximal occlusion with Emphasis on minimizing CT to canalization times.

2017

EVT procedures: 187

Total projected # of procedures = 301:

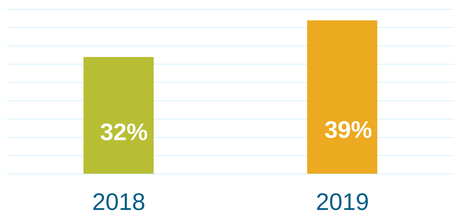
Rural zone volume increased: The Endovascular Reperfusion Alberta Initiative launched April to increase access across AB.



2018

EVT procedures: 246

Home time increased: EVT patients spend 70+ days at home in the 90-day period following admission without an increase in care.

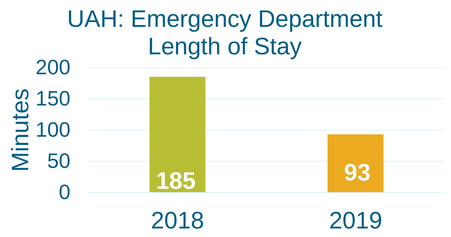


2019

EVT procedures: 293

Expanded window feasibility assessment commissioned by Provincial EVT committee.

Emergency Department length of stay decreased: Stroke resource nurse in ED improves patient flow.



Time Window Expansion

New Evidence: Dawn*, Defuse 3*

Canadian Stroke Best Practice Recommendations:

6 hours → 24 hours

2020: Forecasting model, understand operational impact and needs, Return On Investment.

*Dawn -Clinical mismatch in the triage of wake-up and late presenting strokes undergoing neurointervention with Trevo.
*Defuse - Endovascular therapy following imaging evaluation for ischemic stroke.

Feasibility assessment:
Themes from 64 consultations across all zones in AB.

1) Early engagement → 2) Data to prepare for change → 3) Resource requirements → 4) Consistent & coordinated system approach → 5) Clear guidelines & protocols → 6) Training & education → 7) Rehabilitation services → 8) Well-developed repatriation process