

Strategic Clinical Networks™ (SCNs):
Summary of Transformational Road Maps (TRMs)

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SOLUTIONS/IDEAS ARE PITCHED TO SCNS

Prospective applicants should contact the Scientific Director (SD) or Assistant Scientific Director (ASD) of the appropriate SCN to discuss potential ideas or solutions. During this initial discussion, the SD/ASD will assess PRIHS readiness, or if the idea:

- Addresses a priority as outlined in the SCN Transformational Roadmaps or emerging priorities approved by the SCN;
- Can be formulated into an implementation study;
- Is supported by strong evidence of clinical effectiveness (generated from pilot testing in Alberta or another health care setting);
- Has the potential to deliver significant, measurable impact to health system performance; including eliminating variation in care by ensuring proper or correct use of health services, products, and resources
- Can demonstrate a significant positive impact on the utilization of health resources within the timeframe of a PRIHS grant, i.e. tests a solution that can likely generate cost saving and/or help avoid future cost increases.

Prospective applicants whose solutions align with the above criteria will be asked to complete an intake form by February 21st, 2020.

SCN CONTACT DETAILS

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AHS VISION

Healthy Albertans. Healthy Communities. Together.

Addiction and Mental Health Strategic Clinical Network (AMH SCN) VISION

Improving Addiction and Mental Health Together

AMH SCN MISSION

To improve addiction and mental health patient care and health outcomes in Alberta by engaging stakeholders to identify meaningful, evidence based opportunities for transformational change

STRATEGIC DIRECTIONS

Improve patients' and families' experiences

Improve patient and population health outcomes

Improve the experience and safety of our people

Improve financial health & value for money

PRINCIPLES

Enhance Patient and
Public Health Experience

Empower People and
Communities

Improve Health Outcomes and
Clinical Best Practice

Strengthen Financial Health and
Operational Best Practice

↑
Quality
Improvement &
Measurement

↑
Collaboration &
Coordination

↑
Health System
Integration

↑
Stakeholder
Engagement

↑
Research &
Innovation

Bone & Joint Health Strategic Clinical Network™



Vision:
Keeping Albertans Moving

Mission:
To build the best bone and joint health care system through empowered citizens and teams guided by evidence and outcome based practices

AHS Vision:
Healthy Albertans.
Healthy Communities.
Together.



- AHS Goals**
- Improve patients' & families' experiences
 - Improve patient & population health outcomes
 - Improve the experience & safety of our people
 - Improve financial health & value for money

- Strategic Goals**
- Maximize & promote Albertans' mobility & function
 - Mend Albertans' disability from bone & joint disorders and injuries
 - Mitigate Albertans' risk for bone & joint injuries and conditions

- Tactics**
- Health Promotion & Injury Prevention
 - Multidisciplinary Clinics & Teams
 - Centralized Intake & Triage
 - Pathway Development
 - Patient Education
 - Provider Supports & Education

Priorities & Successes

APPROPRIATENESS	ACCESSIBILITY	ACCEPTABILITY
Successes Average days in hospital for hip & knee replacement patients reduced to 3.8 days from 4.7 days (2009 - 2015) Community-based exercise & education program, Good Life with osteoArthritis: Denmark (GLA:D™) , in 13 clinics 89% (up from 77%) of hip fracture patients reach an Operating Room within 48 hours of first contact with the system 14,455 Albertans with a signal fracture screened for osteoporosis. 4 Hip fractures prevented with every 10,000 Albertans in Catch a Break program		
Current Priorities • Spreading hip Fracture Liaison Services across Alberta • Evaluating shared care models for inflammatory arthritis • Advocating for shared savings approaches • Addressing gaps in knowledge and innovation through collaborative workshops (i.e. stem cells, obesity and OA)		
Emerging Priorities • Osteoarthritis (OA) conservative management care path • Innovative funding models for bone and joint care i.e. case rate • Albertan self-management support for OA • Community based partnerships and programming		
EFFECTIVENESS	SAFETY	EFFICIENCY
COLLABORATION & PARTNERSHIPS		
EVIDENCE-BASED PRACTICE, RESEARCH & ANALYTICS		
SHARED RESPONSIBILITY & FAMILY-CENTERED CARE		

The Cancer Strategic Clinical Network™ Transformational 2020-2024 Roadmap At A Glance

AHS Vision: Healthy Albertans. Healthy Communities. Together.

CSCN Mission: Lead transformation to improve care across the cancer continuum in Alberta

Strategic Directions

1. Build a community that strategically transforms cancer care

2. Translate evidence and data to inform priorities, practice, policy, and planning

3. Enhance experiences for patients and families, outcomes, and efficiencies

Priorities

a. Launch a coalition of researchers to answer questions important to patients and providers

b. Establish partnerships to maximize community supports closer to home

a. Build capacity to use linked data sets

b. Advance CSCN Pipeline

a. Advance new models of care and pathways in targeted areas

b. Improve cancer diagnosis

Key Actions (projects) to align under each priority

Principles: Engage | Collaborate | Consensus | Disrupt | Innovate | Implement | Measure



Cardiovascular Health and Stroke Strategic Clinical Network™

2017 – 2020 Transformational Roadmap

Vision

Healthy hearts and brains for all Albertans.

Mission

Supporting the health of Albertans through prevention, collaborative partnerships, research and innovation in cardiovascular health and stroke.

How we will get there:

Leadership Development

Collaborating with Partners in Care

Technology

Information, Data, and Measurement

Education/ Knowledge Translation

Communication

Our Priorities

- Scale and sustainability of original Vascular Risk Reduction Initiative (VRR) projects
- Continue to engage new and existing stakeholders to focus on upstream care
- Develop, Implement and Evaluate VRR 2.0 Initiative

Our Priorities

- Implement Endovascular Reperfusion across Alberta
- Complete a provincial cardiac imaging IT inventory to inform Connect Care requirements
- Build an economic model of stroke & cardiac rehabilitation
- Increase focus on remote monitoring and telehealth
- Standardize EMS treatment of STEMI province-wide

Our Priorities

- Standardize care for heart failure, stroke through clinical pathways
- Develop device clinic guidelines and STEMI reperfusion order sets
- Actively involve patients and their families in our work
- Develop and implement clinical dashboards, data and evidence for quality management
- Complete the PRIHS 1 project, PERFORM Study
- Reduce inequities in care
- Support activities to reduce unwarranted clinical variation

Enhancing prevention and integration of health promotion and wellness

Improving the patient journey, health system quality and care

Reducing inequities in care & outcomes

Strategic Pillars

Building on these Foundations:

**Patient and Family Centred Care
Effective Engagement
Building a Culture of Quality**

**Sustainability
Research
Culture of Innovation**

Transformational Roadmap 2019-2024

CRITICAL CARE STRATEGIC CLINICAL NETWORK™ TRM AT A GLANCE

Mission: *The Critical Care Strategic Clinical Network™, through innovation and collaboration, works to ensure evidence-based, quality care for people in Alberta experiencing critical illness or injury*

PRINCIPLES: Patient and Family Centred Care, Evidence-Informed Decision Making and Quality Improvement

STRATEGIC DIRECTIONS	1	2	3	4
	System Transformation	Clinical Best Practices	Maturing as a Learning Healthcare System	Building Our Identity
PRIORITIES	• Sustaining Delirium Initiative • Transitions in Care	• Optimal Utilization of Blood Products • Optimal Ventilation Strategies for Patients with Hypoxemic Respiratory Failure • Conservative versus Liberal Use of Oxygen • Optimal Use of Continuous Renal Replacement Therapy	• Increase knowledge, expertise and practical experience as learning Healthcare System • Optimize our existing critical care data assets and clinical analytics reporting tools • Analytics demonstration projects • CC SCN projects and partnered research grants incorporate Learning Healthcare System goals and objectives	• Champion the value of Critical Care in Alberta • Increase understanding of the networks benefit and impact

Diabetes, Obesity & Nutrition Strategic Clinical Network™



All Albertans have access to services and supports that optimize their nutritional status, prevent or reduce the risk of diabetes, obesity and malnutrition, and enable those living with these chronic diseases to be healthy and well.

AHS Goals:

Improve patients' & families' experiences

Improve patient & population health outcomes

Improve the safety & experience of our people

Improve financial health & value for money

Alberta Today

Diabetes

300,000 (7.5%) Albertans have diabetes (Up 60% since 2000)

1 in 5 hospital patients has diabetes. Many experience high blood sugars that cause bad outcomes

70% of non-traumatic lower limb amputations are caused by diabetes

85% of these amputations are preventable

Obesity

2.5 million (60%) of Albertans are overweight or obese

3x risk for diabetes, high blood pressure, & CHF

2x risk for arthritis & sleep apnea

Obesity is the leading cause of loss of life & costs the health care system **\$4.5 billion per year**

Malnutrition

51% of seniors on homecare/supported living & **31%** of seniors in the community are malnourished

1 in 5 malnourished patients are readmitted to the hospital within 1-month of discharge

Strategic Domains



Prevent the onset & progression of Diabetes, Obesity & Malnutrition



Empower patients & providers to better manage Diabetes, Obesity & Malnutrition to live well & long

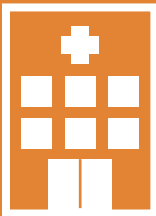


Transform the Health Care System through Research, Surveillance & Partnerships

Priorities

Standardize diabetic foot care

Create a diabetes surveillance system



Improve glycemic management of people with diabetes in hospitals

Develop bariatric friendly care hospital guidelines & standards

Implement a new community model of care for obesity management

Develop a malnutrition strategy with AHS Nutrition & Food Services

Study the impacts of malnutrition & barriers to a healthy diet

Partner with:
SCNs & PCNs
Patient & Family Advisors
Policy Makers
Industry
Universities



Alberta Tomorrow

Diabetic foot care screening rates will increase in primary care

Prevalence of diabetic foot ulcers & lower limb amputations will decrease significantly



More malnourished seniors will be identified & treated across care settings

Greater satisfaction & better experience for patients with diabetes & obesity in hospitals

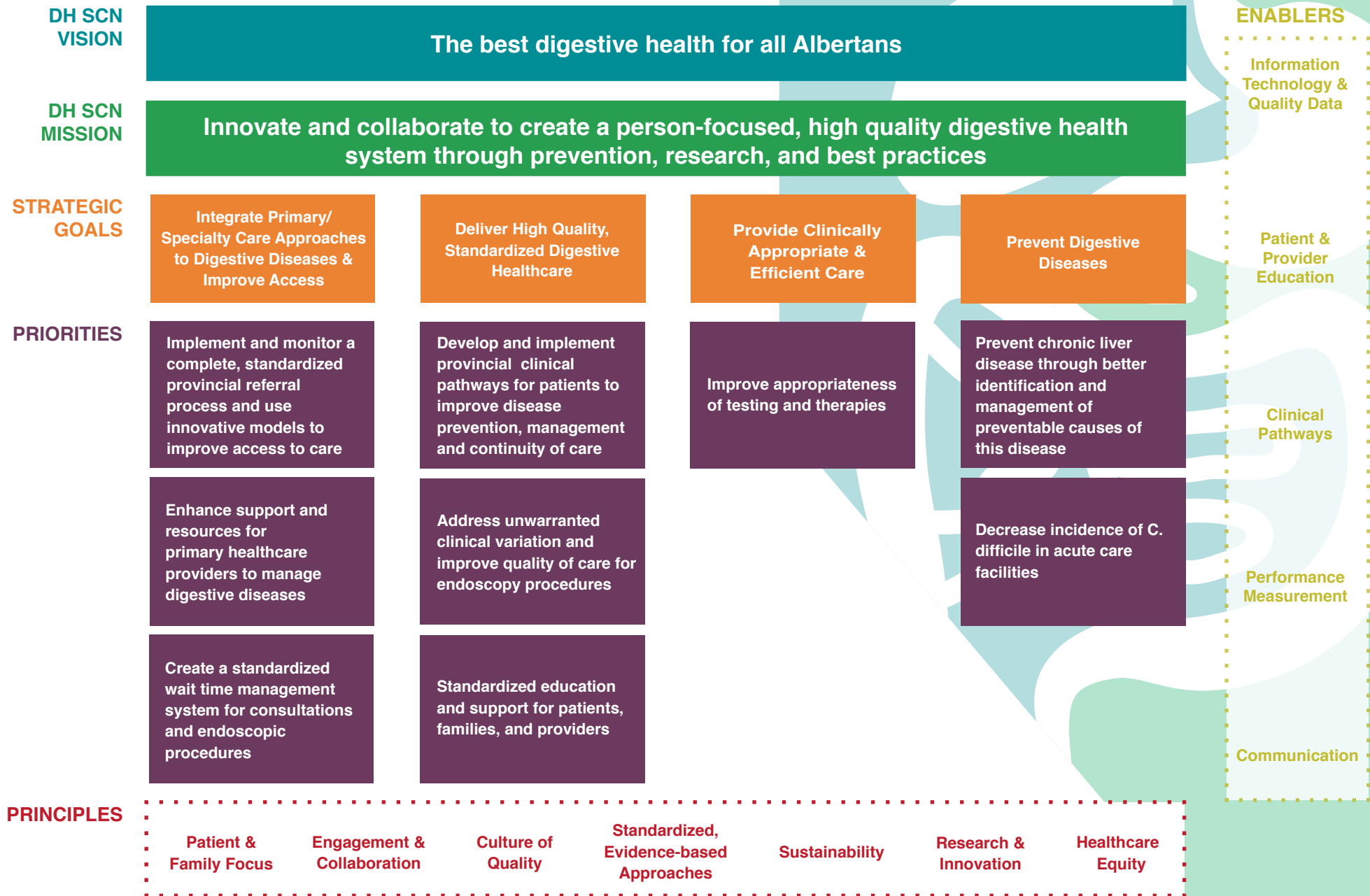


Length of Stay in hospitals will be reduced for patients with diabetes & patients living with obesity

Hospital staff injury rates will decrease

Digestive Health Strategic Clinical Network

Transformational Roadmap Summary



Emergency Strategic Clinical Network

Alignment with AHS goals

ESCN strategic direction:

Respond to the needs of our patient population

ESCN priority:

Patient experience in Emergency Departments (ED) Urgent Care Centres (UCC)

Objective

To improve patients’ and families experiences in ED/UCC by improving patient communication, timely patient access and quality patient care.

Focus areas

- All Albertans presenting to the ED
- Seniors
- Indigenous populations
- Addiction and mental health pediatric and youth population

Actions:

- Ensure the voice of the patient is heard
- Use HQCA patient experience data as a baseline
- Partner with U of A Information Design, Human Factors and Operations to develop a roadmap to improve communications with various social media venues
- Engage with frontline staff
- Use CIHR funded peer reviewed grant to guide ESCN actions

Expected outcomes

- Decrease stigma around addiction and mental health
- Improve communication in ED using information design strategies
- Develop pathways related to admitting criteria with Addiction & Mental Health population (AMH/ED SCN)
- Improve patient experience in ED/UCC
- Support ED/UCC staff in communication techniques that facilitate care of patients and their family members
- Spread awareness of the acknowledgment of land for indigenous communities



Expected outcomes

Develop OAT program in ED/UCC including:

- Contribute to CKCM pathway development for acute/chronic pain management
- Develop education materials for both patient and healthcare providers
- Implement and sustain an approved model
- Integrate with other opioid crisis response initiatives provincially
- Facilitate Transitions into community services
- Inform implementations of program with evidence based research from systematic literature review
- Utilize program and patient level measures on successful implementation of OAT

ESCN strategic direction:

Partner as problem solvers and innovators

ESCN priority:

Opioid crisis

Objective

To support a culture of harm reduction and to help Opioid Use Disorder (OUD) patients by reducing deaths, overdoses and other health and social challenges that arise from substance use and addictions.

Actions:

- Establish a provincially coordinated buprenorphine/ raloxone (Suboxone®) Opioid Agonist Treatment (OAT) strategy for patients presenting to EDs & UCCs with OUDs in Alberta. This will include patient pathways and sustainable transitions to community and primary healthcare providers and services

- Reduce stigma associated with addictions and opioid use by using the voice of patients with lived experience
- Take a lead role in provincially coordinated harm reduction education efforts for all who work and practice in EDs/UCCs and the public visiting ED
- Work with Clinical Knowledge & Content Management (CKCM) to disseminate and implement provincially standardized guidelines for ED/UCC patients that present with OUDs and require interventions to the ED
- Partner with ED/UCC operations to meet Alberta health provincial reporting requirements
- Integrate all ESCN opioid crisis response initiatives with the larger context of the opioid crisis across Alberta
- Align with the recommendations from Opioid Wisely, Choose Wisely™ Canada

ESCN strategic direction:

Health system research & innovation

ESCN priority:

Integrate research for better implementation/improvement

Objective

Build emergency research capacity. Advance and disseminate research knowledge.

Engage and build partnerships for research, quality improvement and innovation.

Actions:

Build capacity:

- Develop emergency medicine research skills through mentorship
- Provision of research resources
- Fostering a research culture

Advance and disseminate research knowledge:

- Engage in high quality research studies
- Obtain research funding
- Publications, conference presentations, journal article dissemination

Engage and build partnerships for research and innovation:

- Engage Research Advisory Board (RAB)
- Build ESCN research community
- Cross-SCN collaboration
- Collaboration with national and international Emergency Medicine research programs

Expected outcomes

- Research projects completed, both ESCN and Pan-SCN
- Students and mentees trained in Emergency Medicine research skills
- Rigorous projects financially supported
- Scholarly manuscripts published
- Researchers engaged in Emergency Medicine research

Expected outcomes

- Participate in the review of EPIC content to ensure evidence based, best practice provincial alignment across 103 EDs and UCCs
- Improve and standardize workflows with a focus on patient care
- Engagement in the design, build, testing, training and implementation of Connect Care as ED/UCC representation
- Ensure staff and physicians feel safe when coming to work
- Provincial support, build and commit to CKCM development for future EPIC buildf
- Detailed process map developed between EMS and ED/UCC with standardized provincial definitions to assist with EMS offload reporting

ESCN strategic direction:

Optimized people and resources

ESCN priority:

Improved educational opportunities
Connect care
EMS offload
Staff safety

Objective

The ESCN will maintain a strong working relationship with Connect Care to ensure an appropriate design, build and roll implementation of Connect Care to all EDs/UCC. The ESCN will partner with EMS to create standardized definitions and linkage between EMS and AHS emergency/UCC NACRS data set.

Actions:

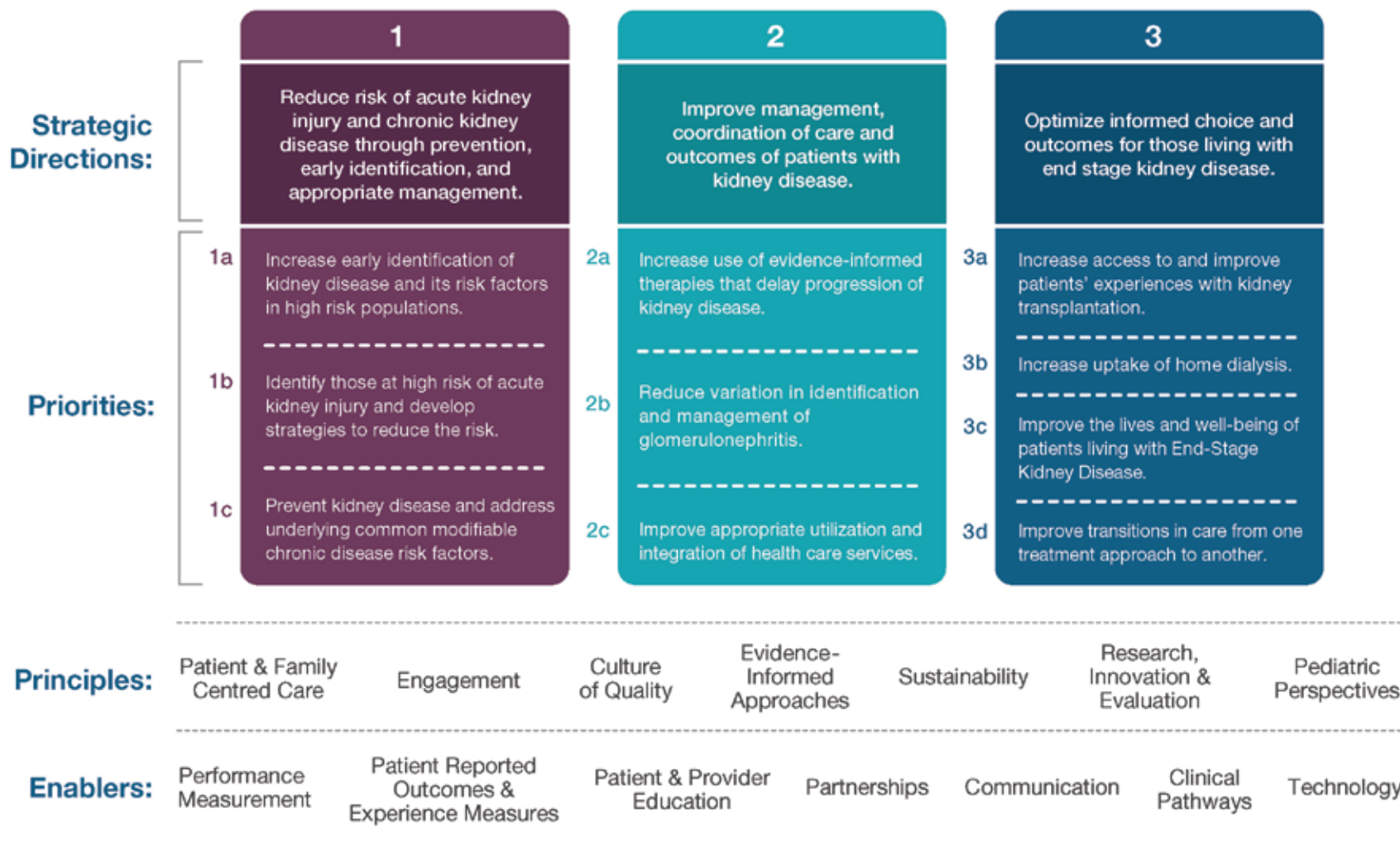
- Participate as active members of the Emergency and EMS Area Council for Connect Care CKCM

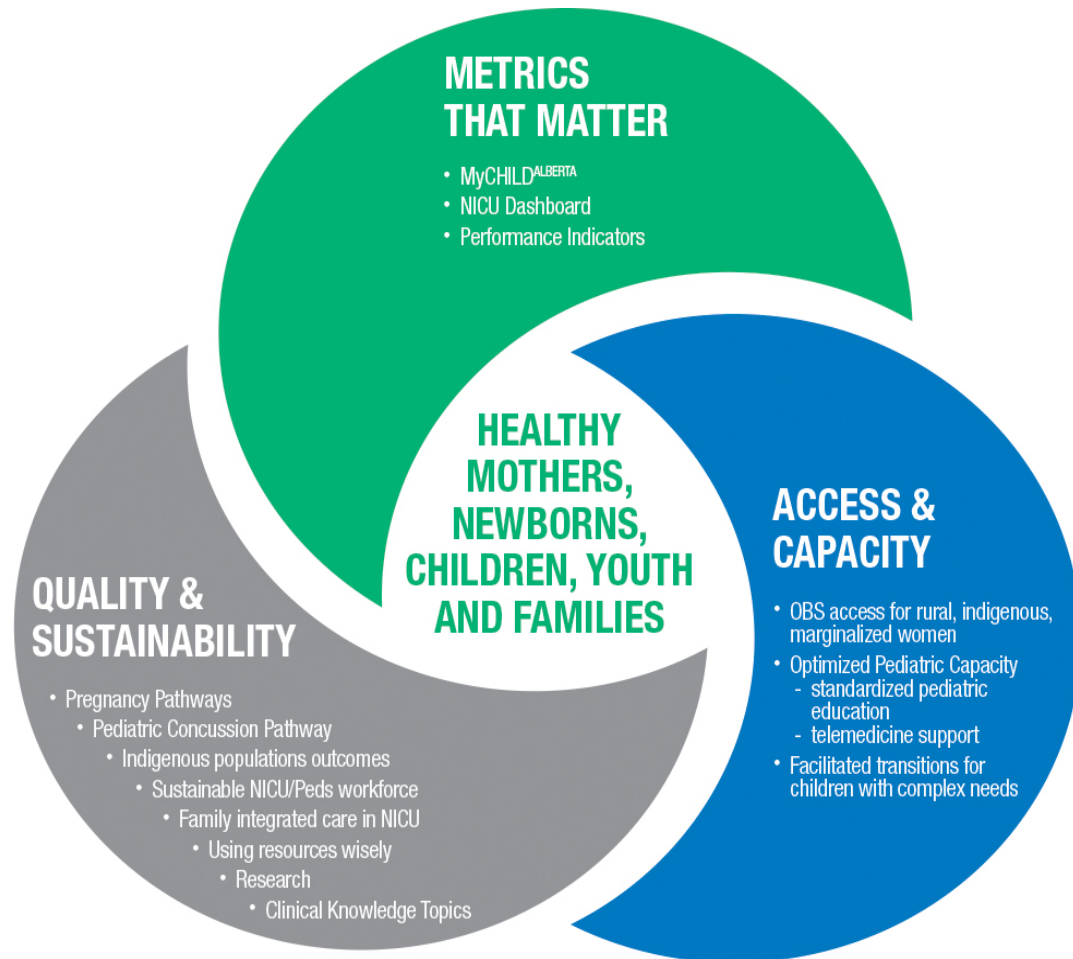
- work/pathway development that will drive clinical decision support integrated into Connect Care
- Represent ED/UCCs in the design and development stages of the EPIC build standardized clinical knowledge and practice in ED/UCCs
- Ensure standardized/harmonized policy, clinical guiding documents
- Influence clinical documentation to standardize e-documentations for EPIC
- Work with WHS to improve staff safety in the workplace
- Continue partnership with HPSP to standardize nursing education
- Coordinate with Connect Care to access and utilize nursing references and procedures for competency development
- Work in partnership with EMS and operations to develop a process map that will improve mutual reporting and data collection

The Kidney Health Strategic Clinical Network™ TRM At A Glance

Vision: Optimal kidney health for all Albertans

Mission: Through innovation, partnership, and use of best evidence, we will optimize prevention, early identification and management of kidney health across all ages and stages of kidney disease.





MNCY SCN priorities:

- A. Develop, implement, and evaluate innovative approaches to support obstetrical care and access for rural, and/or marginalized populations in Alberta
- B. Develop, implement, and evaluate innovative approaches in care for Indigenous mothers, newborns, children and youth in Alberta
- C. Innovations to improve the care of Medically Complex Children and/or children with neurodevelopmental disorders in Alberta
- D. Innovations to improve the transition of children with chronic diseases from adolescent to adult care in Alberta
- E. Develop, implement, and evaluate innovative approaches to optimize regional facility support for pediatric capacity in Alberta
- F. Develop, implement, and evaluate innovative approaches in care for and prevention of substance use in pregnancy and implications for the newborn in Alberta
- G. Develop, implement, and evaluate innovative Mental Health services for adolescents and young adults in Alberta
- H. Develop, implement, and evaluate provincial pathways or other innovative approaches to care in Alberta:
 - pregnancy planning or preconception health
 - pregnancy, antenatal, prenatal health and care
 - intrapartum care
 - postpartum and newborn care
 - neonatal intensive care
 - child health

Neurosciences, Rehabilitation & Vision Strategic Clinical Network™

Transformational Roadmap Summary

AHS VISION: Healthy Albertans. Healthy Communities. Together.

NRV SCN MISSION: Improving how Albertans see, think, and live.

Strategic Directions	Improving knowledge through research & innovation	Integrating care across the patient journey	Supporting evidence-informed decision making	Ensuring timely & equitable access to care
Priorities & Priority Activities	- Understand & improve the patient experience for - Visually-impaired patients post-stroke - Focus on solutions for lifelong wellness - Collaborate with the Innovation, Evidence & Impact team & the Alberta Pain Strategy	- Develop provincial clinical pathways for - Concussion - Diabetes eye care - Pressure injury prevention - Improve hospital-home care transitions for - Spinal cord injury - Complex chronic neurological conditions	- Determine appropriate tests & therapies for - Low back pain - Pre/post surgical rehabilitation - Identify quality indicators & performance measures	- Understand the gaps in equitable service delivery - Scan/audit service delivery practices - Deliver care closer to home - Identify models of care for rural communities

PRINCIPLES	Culture of Quality	Patient & Family Centered Care	Provincial Focus	Research	Innovation & Transformation	Evidence-informed	Outcomes Focus
ENABLERS	Partnerships	Communication	Patient & Provider Education	Technology	Healthcare Equity	Implementation Science	Data & Performance Measurement



Population & Public Health Strategic Clinical Network

Transformational Roadmap Summary

MISSION: Drive innovation that creates opportunities and conditions for all people in Alberta to reach their full health potential

ENABLERS	STRATEGIC DIRECTIONS	PRIORITIES	ACTIONS
Data & Information Collaboration & Partnerships Pan-SCN Collaboration Changing the Conversation in Alberta Resources for Committed Action	Strengthen Community Action	Communities and intersectional partners take action to improve health outcomes and reduce inequalities	Population health and its determinants are measured routinely and findings are translated with communities to set priorities and monitor progress Pathways to healthy communities are developed and promoted Communities' capacity to create opportunities and conditions for health is supported and enhanced
	Reorient Health Services	Shared responsibility for promoting health and well-being is firmly embedded across health services	Alberta Health Services adopts a "Promoting Health" strategy Health services address unjust and avoidable differences in health outcomes within and between populations Social and preventative factors are identified routinely, addressed compassionately and follow-up is coordinated seamlessly with community partners

PRINCIPLES

Engagement with Albertans & Their Communities

Moving Upstream

Health Equity

Innovative Evidence-informed Action

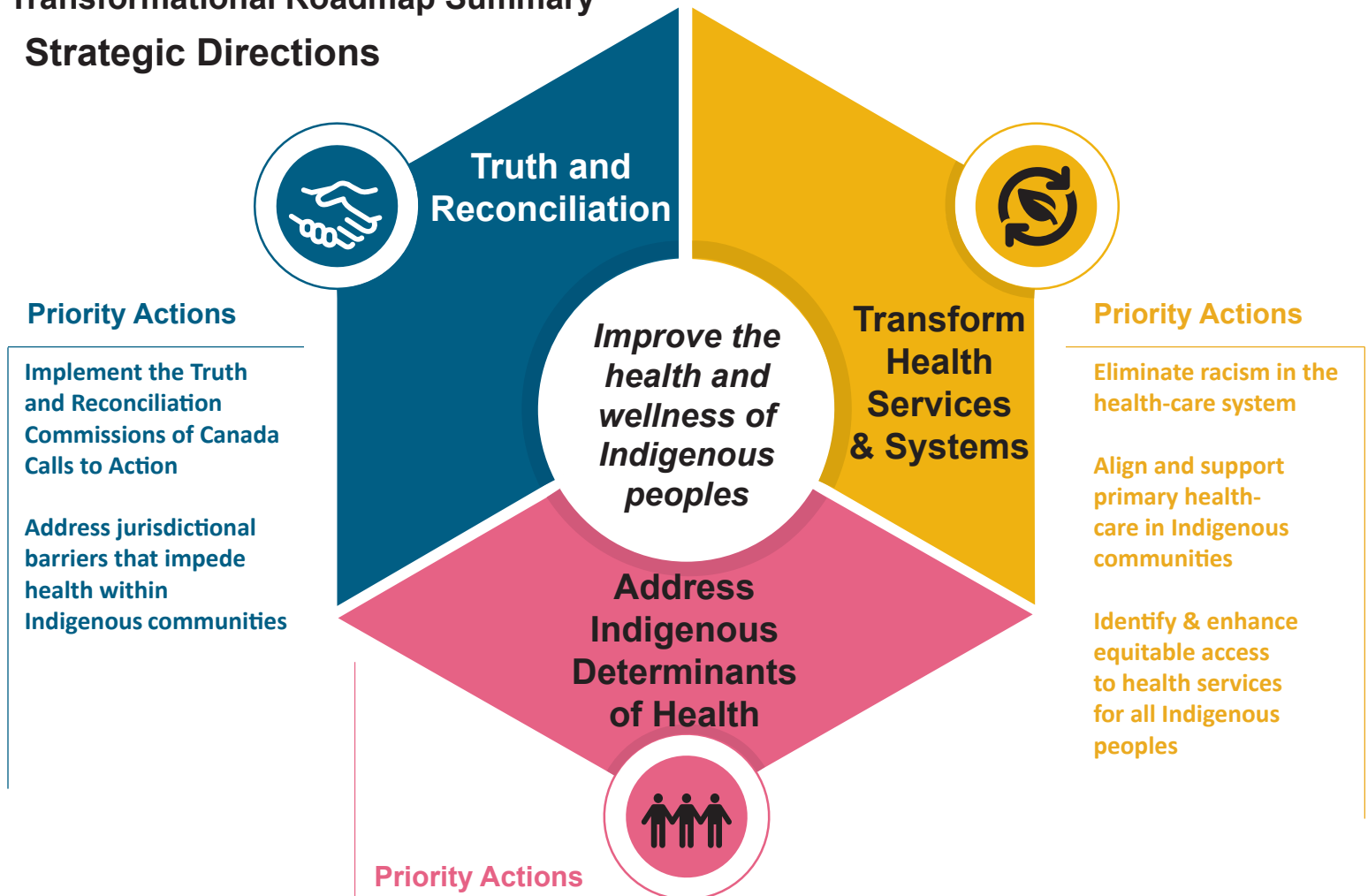
Sustainability



Population, Public, and Indigenous Health Strategic Clinical Network

Transformational Roadmap Summary

Strategic Directions



Enablers



Engagement to create action within 'Ethical Space'



Funding and resources to invest and sustain improvement



Guiding Principles

Build sustainable actions to improve health

Embrace traditional Indigenous knowledge and practises

Distinguish and realize Indigenous peoples health care rights

Know the distinct health needs of all Indigenous peoples

Empower self-determination, autonomy and self governance

Exercise reconciliation-leadership in all actions

What Are We About?

Keeping Albertans well in their communities – on their terms

Our Aims:

- ❑ Find and share leading practices to achieve integration across Alberta
- ❑ Collaboratively seek solutions for current integration problems
- ❑ Accelerate spread and scale of initiatives in order to achieve significant system improvement
- ❑ Advance innovation to create the health neighborhood

Our Approach:

- ❑ Person and family-centred
- ❑ Population health oriented
- ❑ Responsive to local issues
- ❑ Partnership approach to system re-design
- ❑ Accelerate sustainable and scalable solutions
- ❑ Grounded in evidence

Our Areas of Focus:

Keeping Care in the Community



Facilitating collaboration between stakeholders to ensure Albertans receive the personalized care and supports that will help them better manage their health in their own community.

Linking to Specialist & Back



Supporting links between Primary and Specialty Care to aid patients in getting the right advice in a timely fashion, through improving access and exploring alternative ways to meet demand

Home to Hospital to Home Transitions



Supporting the development of patient-centred practices when Albertans go from home to hospital and back home again by aligning Acute Care, Primary Care and other providers around creating seamless care defined by patient needs.

System Foundations for Integration



Creating system enablers to support integrated clinical areas of focus through Person Centred Practices, Leadership & Community Mobilization, Science and Communications & Learning.

Respiratory Health Strategic Clinical Network

Transformational Roadmap Summary



Provincial Standards

- Accessible standardized lung testing results
- Oxygen therapy in acute care
- Sleep testing standards
- Sleep technician competencies

Success

Creation of inaugural Home Sleep Apnea Testing standards and update of Polysomnography standards for Alberta



Quality Improvement

- Minimized use of nebulized therapy
- Safer use of portable oxygen during transfers within acute care

Success

Removal of pre-filled water bottles from practice resulting in no new oxygen flow issues in the Report & Learning System and provincial cost savings of \$8,000 per month



Prevention & Early Detection

- Pharmacy screening for signs of airway damage
- Pre-surgical tobacco cessation
- Lung testing recommendations

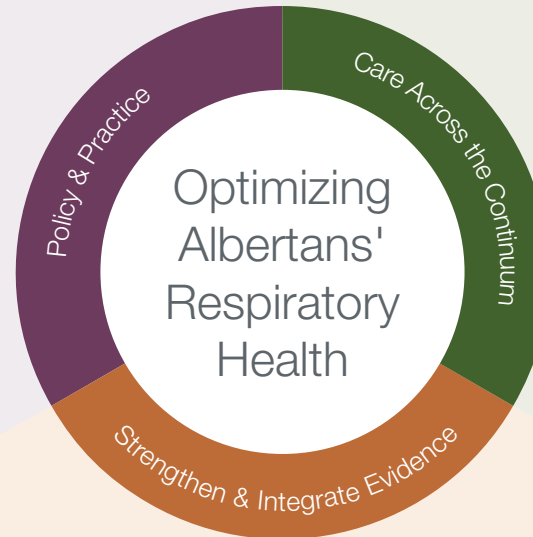


Clinical Pathways Towards Integration

- Adult asthma in community care
- COPD Clinical Pathway
- Alberta primary care pathway for childhood asthma
- Post discharge care bundle for patients with COPD
- Integrated model of care for Sleep Disordered Breathing

Success

- Launch of Alberta Childhood Asthma Pathway at 105 provincial sites, resulting in increased and safer use of appropriate medications
- Reduction in median length of stay by one day at COPD Admissions pilot site



Science & Innovation

- Respiratory health research prioritization
- Improved clinical information access
- Understanding the burden of respiratory diseases
- Clinical research & innovation support

Success

Co-development of Alberta respiratory research priorities with patients and clinicians



Measurement & Evaluation

- Consistent data definitions & cohorts
- Develop evidence-based content for Clinical information systems
- Subject matter experts in building the Provincial Clinical Information System



Seniors Health Strategic Clinical Network

Transformational Roadmap Summary 2017-2020



Seniors Health SCN Mission:
To make improvements to healthcare services and practices that enable Alberta's seniors to optimize their health, well-being and independence.



Revised June, 2019

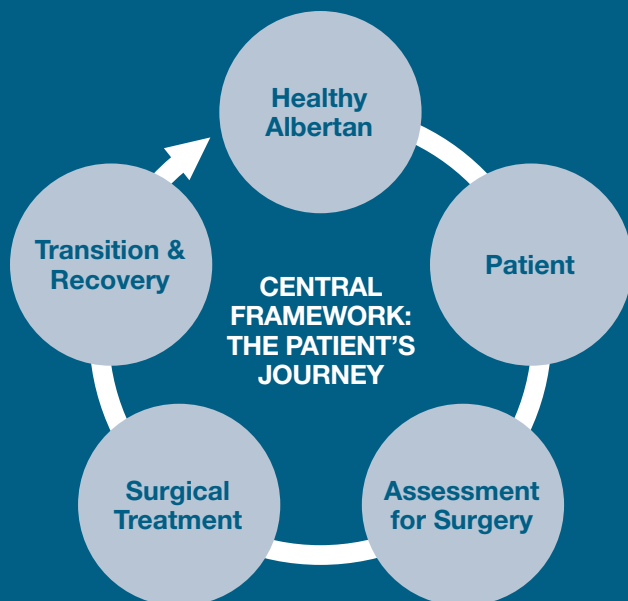
2018-2021 TRANSFORMATIONAL ROADMAP

The Alberta Surgery Plan Summary



OUR VISION:
Healthy Albertans.
Healthy Communities.
Together.

OUR MISSION:
To improve surgical care
provided to Albertans.



STRATEGIC OBJECTIVE 1
We will improve access
to integrated surgical care

Initiatives:

- Bring together a multi-disciplinary Working Group on Access to Surgical Care
- Publish a white paper on the issue of access
- Gather more data on access to surgical care
- Share our findings with patients and the public
- Develop and implement projects to test methods for improving access



STRATEGIC OBJECTIVE 2
We will provide safe,
high-quality surgical care

Initiatives:

- Bring together a multi-disciplinary Working Group on Surgical Safety and Quality
- Increase the use of ERAS and other care pathways
- Increase the implementation of active surgical quality programs such as NSQIP at all hospitals
- Enhance the use of the Safe Surgery Checklist
- Increase the use of patient-reported outcome data



STRATEGIC OBJECTIVE 3
We will build a strong
surgical community

Initiatives:

- Conduct regular SCN visits to each hospital
- Convene an annual Provincial Surgical Summit starting in fall 2018
- Review the operation of our Core Committee
- Develop strategies on engagement and communication and research



STRATEGIC OBJECTIVE 4
We will use analytics and
evidence to guide decisions

Initiatives:

- Bring together a multi-disciplinary Working Group on Surgical Analytics
- Develop a unified surgical data strategy and analytical framework
- Work with AHS Analytics to create a provincial surgical data repository accessible to our community
- Develop the concept of a "surgical scorecard"