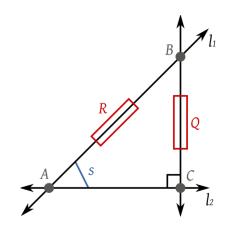


# Methods to Achieve Large Scale Change - Clinical Metrics and Spread to Scale

#### Alberta's Strategic Clinical Networks



#### Presenters:

Ms. Tracy Wasylak & Dr. Blair O'Neil Senior Program Officer & ACMO Strategic Clinical Networks Alberta Health Services

October 26th, 2015



#### **Disclosures**

•Dr. Blair O'Neill and Ms. Tracy Wasylak, do not have any disclosures or conflicts of interest.



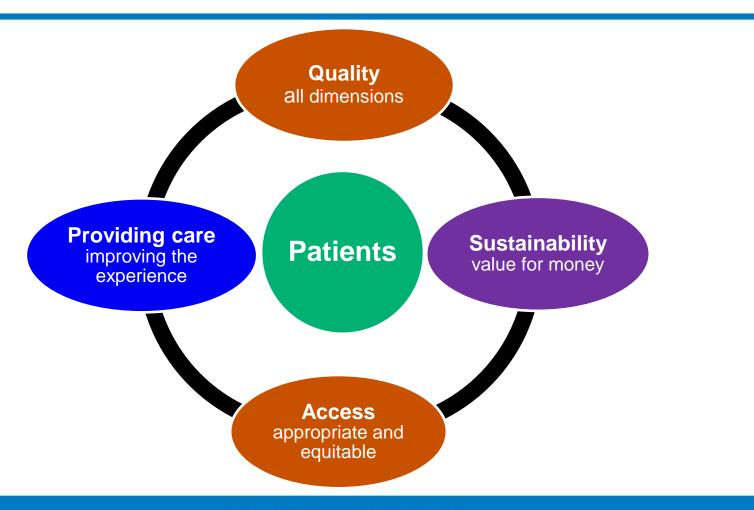
## **Outline**

- Background
- Challenge
- Teams
- Approach & Objectives
- Components
- Results
- Questions





#### Healthcare in Alberta: The Need for Balance





## What are Strategic Clinical Networks?

- Collaborative provincial clinical groups
  - Hosted by Alberta Health Services
- Focused on stages of life, diseases/conditions, areas of care in order to
  - Improve patient outcomes and satisfaction
  - Increase access and quality
  - Build a health care system that is sustainable

```
2012: Addictions & Mental Health, Bone & Joint, Cancer, Cardiovascular Health & Stroke, Diabetes Obesity & Nutrition, Seniors Health
```

**2013:** Critical Care, Emergency, Surgery

2014: Respiratory Health

2015: Maternal Newborn Child & Youth

Future: Kidney Health, Primary Health Care, Population, Public & Aboriginal

Health



## Strategic Clinical Networks in Alberta

#### Goal

To achieve a sustainable health care system that creates the healthiest population and best health outcomes in Canada

#### **Target**

100% of Albertans are impacted positively by SCN priorities and plans – with evidence









# Scope of SCNs









- Patients & families
- Physicians, nurses, allied health
- Researchers, institutions, foundations
- Primary care/PCNs
- Operational areas, administrators
- Government
- Not-for-profit and community groups













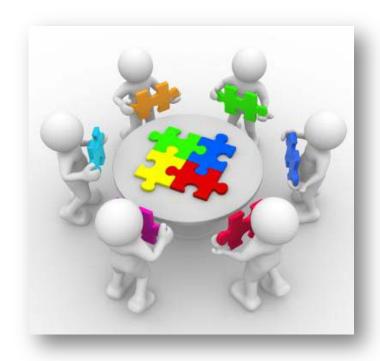




# **Strategic Clinical Networks**

#### **Provincial Model of Collaboration**

- Put Patients at the Centre
- Support Primary Care
- Optimize all Resources
- Evidence-informed, Context Specific
- Share + Link Information to Improve
- Engage ALL levels of Health Care



# **SCNs Use a Common Quality Definition**

and measure <u>one or more of six dimensions to</u> improve



# SCN **IMPACTS**

Over 7000 staff and clinicians involved across **5 Zones & Partner Organizations** 

Stroke Action Plan - 14 sites



Hip & Knee Plan - 12 sites



Insulin Pump Program - 11 centers



Vascular Risk Reduction 🖈



Fragility & Stability - 12 Sites 🛹



Appropriate Use of Antipsychotics \_\_\_\_\_



Empathy - All Schools in Red Deer



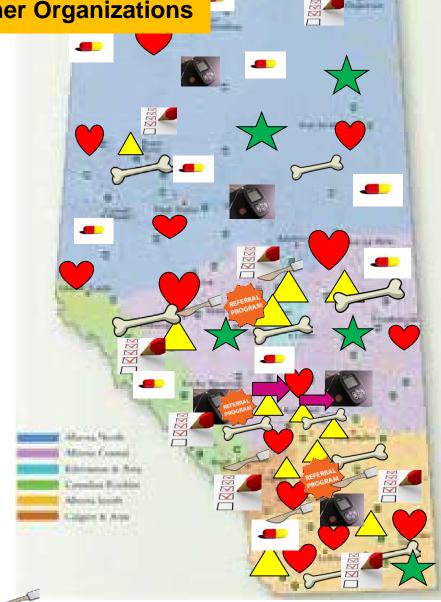
E-Referral Lung / Hip & Knee



Safe Surgery Checklist - 59 sites



Enhanced Recovery After Surgery - 6 Sites





# SCNs Further Value-Adds to the System

#### Internal Experts and Consultants

- AACHT
- CVH&S: Cardiac Surgery Wait Times
- CVH&S: Expansion of Advanced Cardiac Services
- Provincial Surgery Plan
- MNCY: Value of Fetal Fibronectin
- Province-wide Policies (Seniors, CC, ER, Surgery)

#### Innovation and Commercialization (with AIHS)

- Alberta SMEs and TEC Edmonton
- MEDEC/SCN partnership discussions
- RX&D/SCN partnership discussions





# Partnership for Innovation & Research in the Health System



On the same team creating value for money





# **Collaborative Learning**

The most intensive front-line improvement work happens in Collaboratives. These 12-month programs are designed for organizations committed to achieving sustainable change within a specific topic area. Through shared learning, teams from a variety of organizations work with each other and faculty to rapidly test and implement changes that lead to lasting improvement.

(From Institute of Healthcare Improvement)



# **Learning Collaborative Teams**

- Clinician-lead site teams
  - Physicians
  - Nurses
  - Allied health professionals
  - Administration
- Work collaboratively
  - over a period of time
  - on local improvements
  - toward system-wide outcomes.





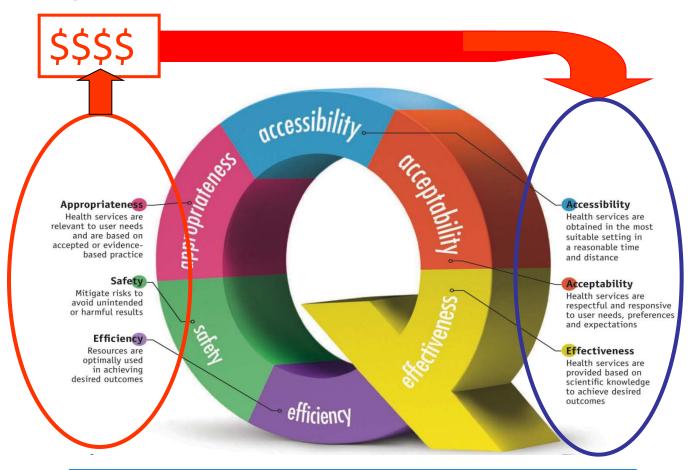


# **Innovative Approach**

# **Engaging learning sessions**

- + Action periods of local improvement
- + Balanced score card
  - introduce new provincial practices at the local level
  - drive sustainable change owned by the frontline staff and site leadership
  - link improvements to teamwork, data and a balanced scorecard

# There is a 'formula' that can help you set priorities

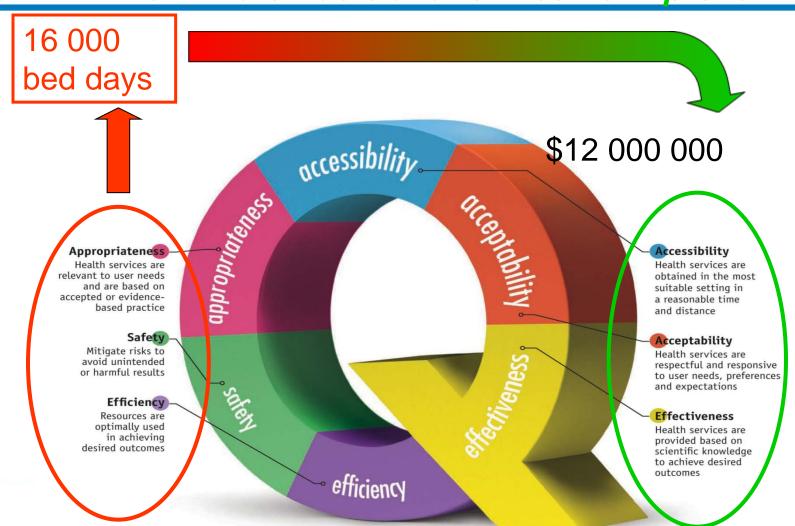


To Eliminating Waste
Focus first on Appropriateness, Safety and Efficiency



# A step toward sustainability

#### eliminate waste and reinvest to improve

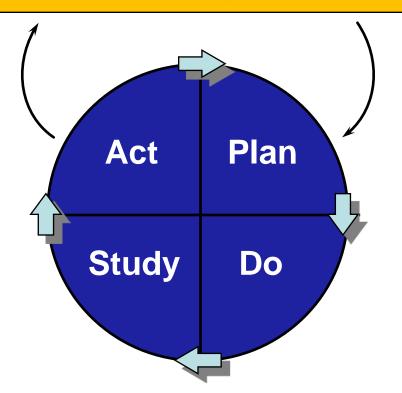


#### Model for Improvement

What are we trying to accomplish?

How will we know that a change is an improvement?

What change can we make that will result in improvement?



From: Associates in Process

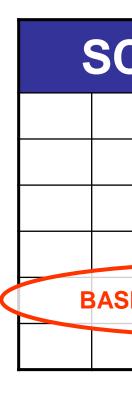
Improvement

# Scorecards Help Define Targets and Achieve Goals Feedback Helps Everyone Improve

QUALITY DIMENSIONS:	EFFICIENT	SAFE	APPROPRIATE	ACCESSIBLE	ACCEPTABLE	EFFECTIVE	
SELECTED MEASURE:	(Length of Stay - LOS) (Note 1)	OR "Time Out" (Note 2)	% of Patients Mobilized Day 0 (Note 3)	Time to Surgery (T0 - T2) (Note 4)	Patient Satisfaction (H-CAHPS' Pain Control Responses) (Note 5)	Date of Discharge/ Predicted date (Note 6)	
TARGETED IDEAL (Level 10):	Full compl	iance to establis non-negotiabl		Ideal target be achieve	Ideal target based on what can realistically be achieved in two years; negotiable		
PERFORMANCE LEVEL: ▼							
10 (Targeted Ideal)	4.2 days or less	100% compliance	100%	400 days or less	90% or higher for "Always" Score	0%	10
9	4.3	95%	90%	450 Days	88%	0. 5%	9
8	4.5	90%	82%	500 Days	86%	1%	8
7	4.7	85%	75%	550 Days	85%	2%	7
6	4.9	80%	68%	600 Days	82%	4%	6
5	5.1	70%	61%	675 Days	79%	6%	5
4	5.3	65%	54%	775 Days	76%	8%	4
3 ("AS IS" at Start)	5.5	Current Compliance 60%	47%	896 Days	63.5% for "Always" Score (See Note 5)	10%	3
2	5.7	55%	40%	1000 Days	60%	12%	2
1	5.9	50%	30%	1200 Days	55%	15%	1
WEIGHTING (%)	20	15	20	10	15	20	= 100 (%)
OPTIMIZATION SCORE: (Level x Weight)	140	150	140	70	45	20	TOTAL SCORE = 565

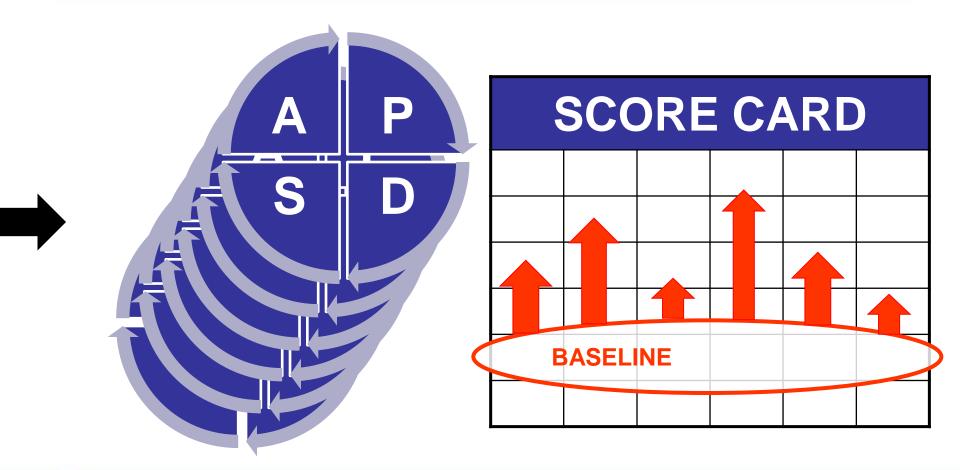


# **Action Period 1 Learning Workshop 1 SCORE CARD BASELINE** Plan





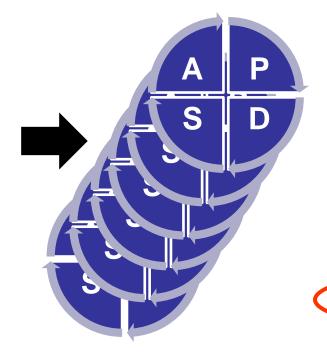
#### **Collaborative Process: Action Period**





# Action Period 2

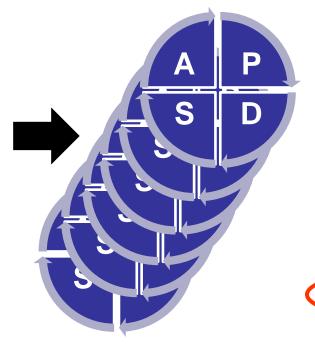
Learning Workshop 2

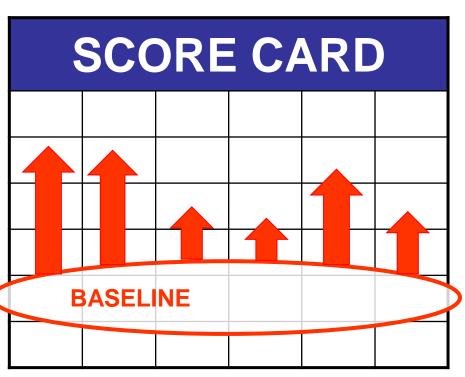






Learning Workshop 2









Sustained Continuous Improvement







#### **Balanced Scorecard**

STEP 1: Identify an improvement indicator under each quality dimension





# **Scorecard: Quality Dimensions**

#### JOINT SCORECARD

QUALITY DIMENSIONS:	EFFICIENT	SAFE	APPROPRIATE	ACCESSIBLE	ACCEPTABLE	EFFECTIVE	
SELECTED MEASURE:	(Length of Stay - LOS) (Note 1)	OR "Time Out" (Note 2)	% of Patients Mobilized Day 0 (Note 3)	Time to Surgery (10 - 12) (Note 4)	Patient Satisfaction (H-CAHPS Pali Control Responses) (Note 5)	Date of Discharge/ Predicted date (Note 6)	
IARGETED IDEAL (Level 10):	Full compl	ance to establis non-negotiab			ased on what can rea ed in two years; nego		
PERFORMANCE LEVEL: ▼							
10 (Targeted ideal)							10
9							9
8							8
7							7
6							6
5							5
4							4
3 ("AS IS"at Start)							3
2							2
1							1
WEIGHTING (%)	20	15	20	10	15	20	= 100 (%)
OPTIMIZATION SCORE: (Level x Weight)	20	150	120	70	45		TOTAL SCORE =



#### **Scorecard Overview**

- STEP 1: Identify an improvement indicator under each quality dimension
- STEP 2: Determine the degree of importance of each improvement indictor



# **Scorecard: Weighting**

For Time Period: 01 Sep 2009 to 30 Nov 20091

					roi illile reliou	01 00p 2000 k	001407 2000
QUALITY DIMENSIONS:	EFFICIENT	SAFE	APPROPRIATE	ACCESSIBLE	ACCEPTABLE	EFFECTIVE	
SELECTED MEASURE:	(Length of Stay - LOS) (Note 1)	OR "Time Out" (Note 2)	% of Patients Mobilized Day 0 (Note 3)	Time to Surgery (T0 - T2) (Note 4)	Patient Satisfaction (H-CAHPS Pali Control Responses) (Note 5)	Date of Discharge/ Predicted date (Note 6)	
TARGETED IDEAL (Level 10):	Full compliance to established standards; non-negotiable				ased on what can re ed in two years; nego		
PERFORMANCE LEVEL: ▼							
10 (Targeted ideal)							10
9							9
8							8
7							7
6							6
5							5
4							4
3 ("As Is"at start)							3
2							2
1	_						1
WEIGHTING (%)	20	15	20	10	15	20	= 100 (%)
OPTIMIZATION SCORE: (Level x Weight)	140	150	140	70	45	20	TOTAL SCORE = 565



#### **Scorecard Overview**

- STEP 1: Identify an improvement indicator under each quality dimension
- STEP 2: Determine the degree of importance of each improvement indictor
- STEP 3: Collect baseline data to populate "as-is" state



# **Scorecard: Setting Targets**

QUALITY DIMENSION	EFFICNT	SAFE	APPROPT	ACCESBLE	ACCEPTBLE	EFFECTV	
SELECTED MEASURE	Avg LOS			Time to surgery			
TARGETED IDEAL (Level 10):	Full compliand	ce to established s negotiable	standards; non-	Ideal target negotiable & based on what is/can realistically be achieved in 2 years			
PERFORMANCE LEVEL	EXAMPLE ONLY						
8	Increasingly	IDEA	L PERF	ORMAN	CE		"Ideal" performance sought in period
7	T o						
6							
5	<b>□ <del>*</del></b>						
4	<u> </u>						
3		BASI	ELINE P	ERFOR	MANCE		Actual performance at start of period
2							
1							
Example only for WEIGHTING (%)	Difficult	20	15	15	15	10	= 100 Total
OPTIMIZATION SCORE: (Level x Weight)							TOTAL SCORE =



#### **JOINT Scorecard: "As-is" State**

For Time Period: 01 Sep 2009 to 30 Nov 20091

				Γ.	n nine Fenou. O i		ID 30 NOV 2009
QUALITY DIMENSIONS:	EFFICIENT	SAFE	APPROPRIATE	ACCESSIBLE	ACCEPTABLE	EFFECT	IVE
SELECTED MEASURE:	(Length of Stay - LOS) (Note 1)	OR "Time Out" (Note 2)	% of Patients Mobilized Day 0 (Note 3)	Time to Surgery (70 - 72) (Note 4)	Patient Satisfaction (H-CAHPS' Pali Control Responses) (Note 5)	Date of Dischart Predict date	ge/ ed
TARGETED IDEAL (Level 10):	Full com	pliance to established non-negotiable	d standards;	Ideal target based on what can realistically be achieved in two years; negotiable			
PERFORMANCE LEVEL: ▼							
10 (Targeted Ideal)	4.2 days or less	100% compliance	100%	400 days or less	90% or higher for "Always" Score	0%	10
9							9
8							8
7							7
6							6
5							5
4		0			63.5% for		4
3 ("AS IS" at Start)	5.5	Current Compliance 60%	47%	896 Days	"Always" Score (See Note 5)	10%	3
2					,		2
1							1
WEIGHTING (%)	20	15	20	10	15	20	= 100 (%)
OPTIMIZATION SCORE:	14 60	1 <b>45</b>	60	30	45 5	60 20	Total Score =

 $<sup>^{1}</sup>$  Length of Stay data was only available for the period 01 Aug 2009  $\pm$  31 Oct 2009



#### **Scorecard Overview**

- STEP 1: Identify an improvement indicator under each quality dimension
- STEP 2: Determine the degree of importance of each improvement indictor
- STEP 3: Collect baseline data to populate "as-is" state
- STEP 4: Identify measurement tools and strategies (to determine to what extent indictor selected has improved, using a scale of 1-10)



#### **Scorecard: Measurements**

- STEP 4: Identify measurement measures and strategies (to determine to what extent indictor selected has improved, using a scale of 1-10)
  - Acceptability: Patient Satisfaction
    - Measure: HCAPS' Pain Control Responses
  - Accessibility: Time to Surgery
    - Measure: T0-T2
  - Appropriateness: Patient Mobilized Day 0
    - Measure: % of Patients Mobilized Day 0
  - Effectiveness: Date of Discharge versus Predicted Date of Discharge
    - Measure: Number of Days from Predicted Date of Discharge to Actual Date of Discharge
  - Efficiency: Length of Stay
    - Measure: Time from Patient arrival at the hospital to Actual Time of Discharge
  - Safety: OR "Time Out"
    - Measure: % of Surgeries preformed that completed an OR "Time Out"



#### **Scorecard Overview**

- STEP 1: Identify an improvement indicator under each quality dimension
- STEP 2: Determine the degree of importance of each improvement indictor
- STEP 3: Collect baseline data to populate "as-is" state
- STEP 4: Identify measurement tools and strategies (to determine to what extent indictor selected has improved, using a scale of 1-10)
- STEP 5: Develop strategies to meet each goal



## **JOINT Scorecard**

For Time Period: 01 Sep 2009 to 30 Nov 20091

					J 30 N 0 <b>V</b> Z 009		
QUALITY DIMENSIONS:	EFFICIENT	SAFE	APPROPRIATE	ACCESSIBLE	ACCEPTABLE	EFFECTIVE	
SELECTED MEASURE:	(Length of Stay - LOS) (Note 1)	OR "Time Out" (Note 2)	% of Patients Mobilized Day 0 (Note 3)	Time to Surgery (T0 - T2) (No te 4)	Patient Satisfaction (H-CAHPS'Pali ContolResponses) (Note 5)	Date of Discharge/ Predicted date (Note 6)	
TARGETED IDEAL (Level 10):	Full compl	iance to establis non-negotiabl			ased on what can rea ed in two years; nego		
PERFORMANCE LEVEL: ▼							
10 (Targe te dildeal)	4.2 days or less	100% compliance	100%	400 days or less	90% or higher for Always" Score	0%	10
9	4.3	95%	90%	450 Days	88%	0. 5%	9
8	4.5	90%	82%	500 Days	86%	1%	8
7	4.7	85%	75%	550 Days	85%	2%	7
6	4.9	80%	68%	600 Days	82%	4%	6
5	5.1	70%	61%	675 Days	79%	6%	5
4	5.3	65%	54%	775 Days	76%	8%	4
3 ("As is" at start)	5.5	Current Compliance 60%	47%	896 Days	63.5% for "Alwayı" Score (See Note 5)	10%	3
2	5.7	55%	40%	1000 Days	60%	12%	2
1	5.9	50%	30%	1200 Days	55%	15%	1
WEIGHTING (%)	20	15	20	10	15	20	= 100 (%)
OPTIMIZATION SCORE: (Level x Weight)	<sub>14</sub> 160	1 135	140	90	45	20	Total Score = 590

 $<sup>^{1}</sup>$  Length of Stay data was only available for the period 01 Aug 2009  $\pm$  31 Oct 2009



## **Action Plan Overview**





### 'Four Fs'

# Frontline engagement Focus on quality Feedback (measurement) Finish



Exemplar system-wide clinical pathway and guidelines implementation projects

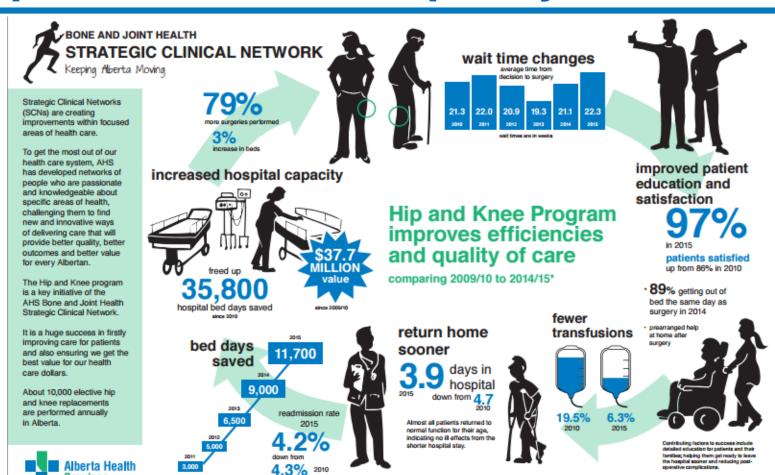
Engaging front line site teams
Measuring progress
Changing complex culture



Services



# **Hip and Knee Arthroplasty**



"Note: All years are referring to fiscal year timetrames. For example, 2010 refers to fiscal year 2009/10 occurrent outs - occurrent outs - occurrent outs





#### Catch a Break Results

- 6433 patients have been screened through Catch a Break
  - 4830 (75%) patients have been identified as high risk for osteoporosis
  - 29% of those patients have never seen their doctor about their recent fracture (these patients are again contacted at 3 months & if necessary 6 months)
    - After the 3 month follow up call:
      - 75% of those patients contacted did go to see their family physician about their fracture
    - After the 6 month follow up call:
      - 56% of those patients contacted did go to see their family physician about their fracture

1 year data will be available soon; including BMD testing & Osteoporosis Medication use





## **Fracture Liaison Service Results**

- ≈ 18% of patients are from out of region & are excluded from the FLS at this point in time
- 50% of those patients enrolled in the FLS were either started, restarted, continued or had medication changes. <u>Earlier</u>
   <u>baseline data indicated only 8% patients were being</u>
   <u>discharged on osteoporosis medication</u>
- 11% of patients are choosing not to take osteoporosis medication during their hospital visit. <u>Early indications on 3</u> <u>month follow up suggest some patients are re-considering</u> their choice
- 27% of patients are being referred to other programs by FLS (i.e. falls, geriatrics, etc.)





# Fracture Liaison Service Challenges

#### Medication challenges:

- Access to infusion options in the hospital/outpatient clinic or home need to be explored
- Need to develop a <u>common approach for patients with</u> <u>advanced renal disease</u>. These are about 15-25% of patients. Evidence is not conclusive
- Administration of bisphosphonates through Med Assist a common practice in facilities or Home Care is a concern as bisphosphonates should be given on an empty stomach.

#### Future Program Development:

 Incorporating the FLS program into a larger ortho-geriatric program with a patient navigation component would be desirable.





## **Appropriate Use of Antipsychotics (AUA)**

#### in LTC

Athabasca

Rimbey

Edmonton

Brenda Strafford: Bowview

AgeCare: Beverly Glenmore

Lethbridge

Calgary

AUA Guideline & Web-based Toolkit

Trialed approach with 11 Early Adopter Sites

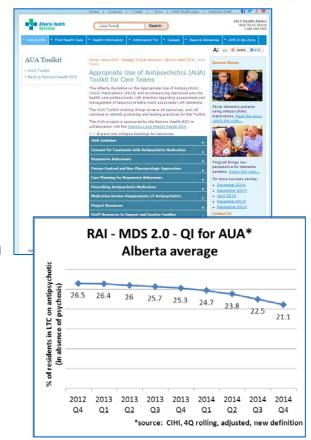
50% reduction in number of residents on meds over 9 months

170 LTC sites in Alberta

Series of 7 Collaboratives offered across province for over 100 sites with 'higher' antipsychotic use

<u>Key processes</u>: monthly medication reviews, staff education, family engagement; data submitted to Practice Leads

CIHI public reporting AUA QI

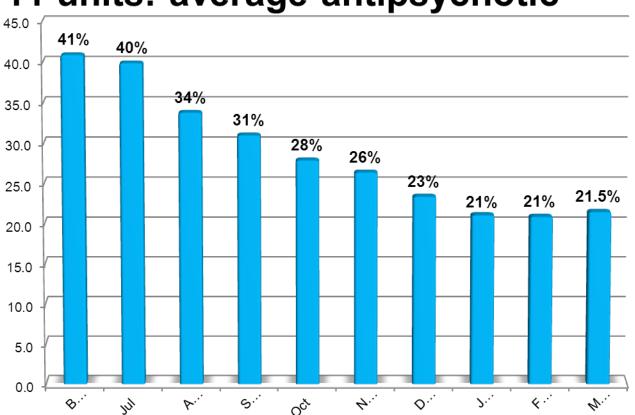






## Phase 2: Early Adopter Sites (2013-14)

#### 11 units: average antipsychotic



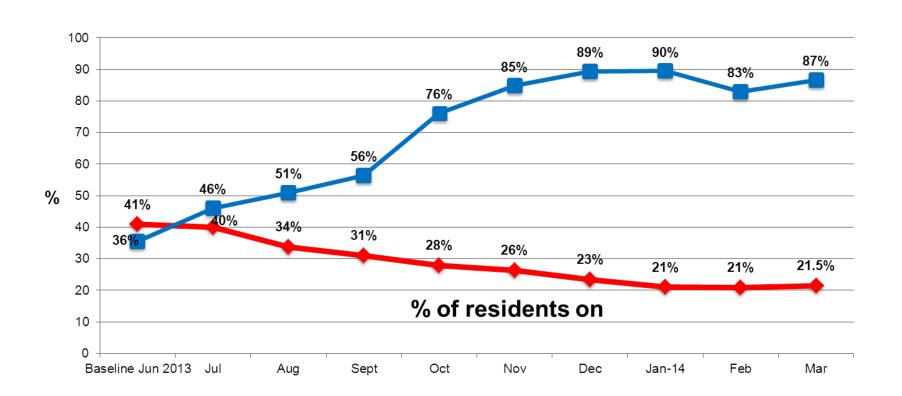






## % Residents on Antipsychotics

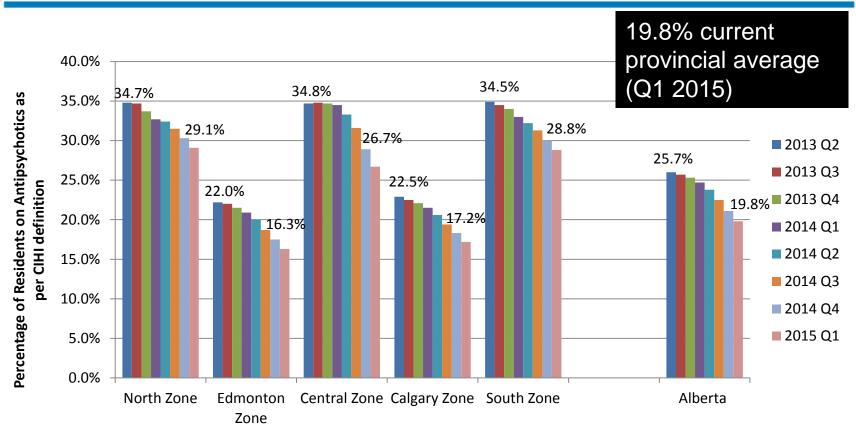
## & With a Monthly Medication Review







# **Phase 3: Provincial Implementation**



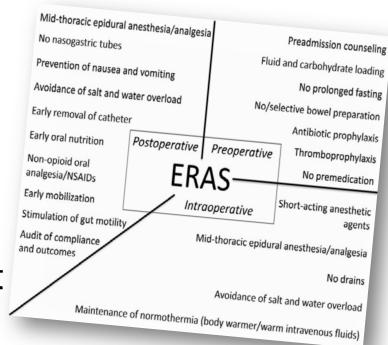
AUA Project resources were shared with all 170 LTC sites in Alberta in 2014/15. Antipsychotic use continues to decline.





# **Enhanced Recovery After Surgery**

- Evidence-based clinical pathways
- Data driven quality improvement
- Local site implementation and change management



International network of leadership fron ERAS Society





# **Clinical Pathway for Surgery**



Transforming care focused on better outcomes





# ERAS Care Story (to Dec 31, 2014)

Improvement	Coeffa	Magnitude $\Delta^{b}$
LOS Primary	0.80*	-2.0 days
Complications (primary)	0.65	-19.9%
Prevented readmissions	0.44*	-9.5%
LOS for those ERAS patients admitted	0.62	-4.5 days

## Focused on magnitude and direction compared to pre-ERAS baseline

Source: IHE, April 2015

- Well enough to go home earlier from hospital (possibly due to less complications post op)
- Less risk of being readmitted to hospital within 30 days (possibly due to less complications post discharge)
- If readmitted, could be discharged earlier (complications experienced may be less severe)

<sup>\*</sup> p < .05

Coefficients from adjusted multivariate models.

b. Calculated using the coefficients from adjusted multivariate models.





# ERAS Cost Impact (to Dec 31, 2014)

\$2.1 to \$4.6 million in net costs saved with 690 ERAS patients (PLC & GNH) \$3.1k to \$6.6k with 3.5 bed days saved for each ERAS patient

Site		Total Magnitude	Cost Impact (\$ per inpatient day)	
		Total Magnitude	Low= \$1,114	High= \$2,106
LOS Primary (n=690)		-1,380 days (2.0 * 690)	\$1,537,320	\$2,906,280
Prevented Readmissions	n=690)	-66 admissions (9.5%*690) -780 days in hosp (66*12°)	\$868,548	\$1,641,977
LOS for those ERAS patie re-admitted (n=61)	ents	-275 days (4.5*61)	\$306,350	\$579,150
p < .05 a.Coefficients from adjusted multivariate models b.Calculated using the coefficients from adjusted multivariate models c.Mean of 12 days per readmission in baseline group d.Inclusive of labour/coordination and licensing fees Source: IHE, April 2015		<b>Total Estimated Savings</b>	\$2,712,218	\$5,127,407
	<b>Total Cumulat</b>	ive Intervention Cost of ERAS (PLC and GNH ending Dec 31, 2014) <sup>d</sup>	\$546,492	
		Net Cost Savings	\$2,165,726	\$4,580,915
		Break even point – surgery #	174	82



#### Fostering Quality Innovation in Complex Surgical Systems

#### **ERASAlberta**

Enhanced Recovery After Surgery (ERAS) is a group of 22 clinical practices that, when implemented as a patient centered pathway, improve surgical outcomes. ERAS Alberta's vision is to improve surgical care for all Albertans by supporting wide-spread adoption of these practices.

■ The SCN's ERAS has demonstrated actualized net cost savings to the Alberta Health System. It is unique in that the potential magnitude of net cost savings at spread and scale is significant.

The Institute for Health Economics



#### BACKGROUND

Alberta Heelth Services, through ERAS Alberta, Eupported by three Surgery Strategic Clinical Networks - SCNN), has demonstrated astounding gains in quality improvement and cost reduction by implementing an evidence-based and internationally recognized pathway for surgical care. Through the Diabetes, Obesity and Nutrition (DON) SCN, AHS invested \$600,000 in the Enhanced Recovery After Surgery (ERAS) Project for coloractal surgery demonstrating improved outcomes, and reduced complications and readmissions. This transformation of care has resulted in a lower cost per patient day and a payback of 2415 bed days in 16 months. or \$2.2M-4.6M in caped tylproductivity gain - the equivelent of opening 5 surgical bads.

In soute care, each hospital delivers practices in unique contests creating large variation and complex processes. ERAS Alberta implemented complex practice changes through collaborative clinician lad local teams, integrated research. distribed auditing, local access to cloud based analytics, provincial quarterly balanced scorecard target presentations and SCN learning collaboratives.

The mandate of ERAS Alberta is to transform surgical care across the province and create an integrated quality feedback system that informs provincial clinical prectice and drives international surgical innovation and quality improvement.

#### CHALLENGE

To improve surgical outcomes for Albertans through applying ERAS perhways in the souts care setting and auditing to ensure sustainment. The challenge was to integrate the changes into the delly work and outsure of our clinical teams and embed these changes in all levels of the health system (patient, provider, system) to achieve

#### APPROACH AND OBJECTIVES

Clinical pathways were generated to ensure-consistent application of ERAS best-practice. This was achieved through empowering and resourcing local facilitation and auditing, and through strong provincial leadership and poordination. Measurement includes compliance to ERAS practices and patient outcomes (diagnostic, langth of stay, and complications). The law is measuring if each clinical practice reaches patients consistantly. The ERAS audit allows local teams to track their progress and success.

#### TEAMS

Each hospital has a local team of dedicated clinicians ledity a surgeon, an anesthesiologist, and an ERMS nurse coordinator. The Strategic Clinical Networks (SCNe) give ERAS Alberta access to clinical and research experts and patient consultants from across the province. ERAS Alberta helps local teams change patient education, pre-operative case, respired and asserbed a practices and case, as well as post-operative care including helping patients transition to home.

#### COMPONENTS

- Local teams: Surgeon and Anesthesiologist leads, an SRAS. nurse-coordinator, and multidaciplinary team members.
- Outcome focused clinical practice improvements inform on unit and system process re-design
- Detailed and comprehensive auditing and analytics. Audit data is highly valuable to implementation, sustainment and measurement of angoing quality improvements. This involves collecting detailed quality and clinical data for each petient before during and after surgery.
- Quarterly reporting of belanced scorecard targets through the SCMs learning collaborative environment. Belanced scorecards focus local team work on the Heelth Quality Council's Six Dimensions of Quality.
- Sharing of quality practice and process innovations between sites and across the province

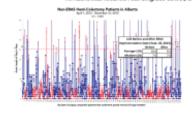
Post-Operative

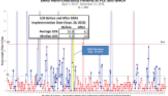
Care

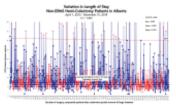
#### RESULTS

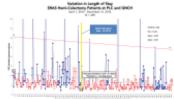
#### Largest per patient quantifiable quality improvement gain recorded in Alberta Health Services history.

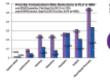
Alberta Hemi-colectomy Control Charts All Alberts situs versus the Pater Lougheed Centra (PLC) and the Gray Nurs Community Hospital (GNC)()

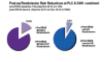














Jeannette, Lawrence Galbertaheeltheervices, ca

Complications are high cost within health systems and have long lasting socio-economic impacts to patients and their families. A micro-costing esercise is currently being planned to ibetter cepture this swings. An independent economic analysis by the institute for health economics is underway that will consider additional factors beyond the cost radiction related to length of stay and readmission rate reductions.

The SCN's through ERAS Alberta continue to advance practice improvements and re-design care delivery processes to sustain and enthal continuous improvement in health delivery at the system level.

CLINICAL PATHWAY FOR SURGERY

Post-Anesthesia

JEANNETTE LAWRENCE, BScN RN, MBA(Queens), MBA(Cornell)

with special thanks to:

MS Leaders: Suan McKiry, Twoy Waylak, Petra O'Connell, Jill Robert, Alben Nelson PRESS IBNA Researchers: Dr. Gragg Nelson, Dr. Leah Grandich, Dr. Blen Cruni dian Macanald, Katrina Percival, Carintina Garland, Daniello Stovanson, Shanna Galla



















#### **Stroke Action Plan**

 Implemented stroke best practice in 14 rural centres







# The Elements of Sustainability

1. Unit – ongoing individual and team actions to improve, patient and family engagement, staff education

#### 4. System

Broader system supports
Policy established
Standards and Guidelines
Ongoing monitoring strategy
established
Embed in Pathways

Outcome to be maintained (improvements continue)

# 2. Site & Organization

Actions to support individuals and teams Monitoring indicators Fostering culture to support quality care Staff competencies Successes celebrated

3. Zone – actions to support sites to sustain outcome, maintain awareness of changes–standing agenda items, monitoring and auditing, consulting teams; physician, nursing and allied health support



# **Questions?**





#### **Additional Resources & References**

- www.albertahealthservices.ca/scn.asp
  - AUA:

www.albertahealthservices.ca/auatoolkit.asp

Stroke Action Plan:

www.albertahealthservices.ca/7678.asp

Hip & Knee Arthroplasty:

www.albertahealthservices.ca/10780.asp

ERAS:

www.albertahealthservices.ca/10318.asp

www.ihi.org/engage/collaboratives/



# Acknowledgements

- Mollie Cole, Manager, Seniors Health SCN, Alberta Health Services
- Agnes Joyce, Manager, Cardiovascular Health & Stroke SCN, Alberta Health Services
- Sheila Kelly, Manager, Bone & Joint Health SCN, Alberta Health Services
- Stacy Kozak, Manager, Surgery SCN, Alberta Health Services
- Glenda Moore, Manager, Diabetes Obesity & Nutrition SCN, Alberta Health Services
- Alison Nelson, Senior Consultant, SCNs, Alberta Health Services
- Dennis Cleaver, Executive Director, Seniors Health SCN, Alberta Health Services
- Lynn Mansell, Senior Provincial Director, Bone & Joint Health and Seniors Health SCN, Alberta Health Services
- Louise Morrin, Executive Director, Cardiovascular Health & Stroke SCN, Alberta Health Services
- Petra O'Connell, Executive Director, Diabetes Obesity & Nutrition SCN, Alberta Health Services
- Jill Robert, Acting Senior Provincial Director, Surgery SCN, Alberta Health Services
- Shelley Vallaire, Senior Provincial Director, Cardiovascular Health & Stroke SCN, Alberta Health Services
- Michelle Salesse, Acting Executive Director, Surgery SCN, Alberta Health Services
- Mel Slomp, Executive Director, Bone & Joint Health SCN, Alberta Health Services