



Early health. Lifelong health.
Début en santé. Longue vie en santé.

Midwifery & BORN: Best Possible Beginnings for Lifelong Health

December 15, 2011

Facilitation of Care: Missed Screen



- Baby Mike was born at Markham Stouffville hospital under midwifery care
- Transferred to Mt. Sinai Hospital NICU
- Each thought the other completed the Newborn Screen
- How does NSO find out he was missed?

Facilitation of Care: Normal Healthy Birth



- Review and learn from the good outcomes
 - Learn best practices
 - Study the transfers of care
 - Report 'Normal Healthy Birth' characteristics
- Build evidence to inform scope of practice

Facilitation of Care: Access to Information

- Sarah, from Toronto, is having a weekend away with friends at 34 weeks GA
- Delivers unexpectedly at the London Health Sciences Centre
- How will the obstetrician access her Antenatal 1 & 2 forms?



Secondary Use: Research

- Pregnant women in Ontario were advised to be vaccinated against H1N1
 - Was it beneficial to the mother and baby. Any side effects?



Facilitation of Care

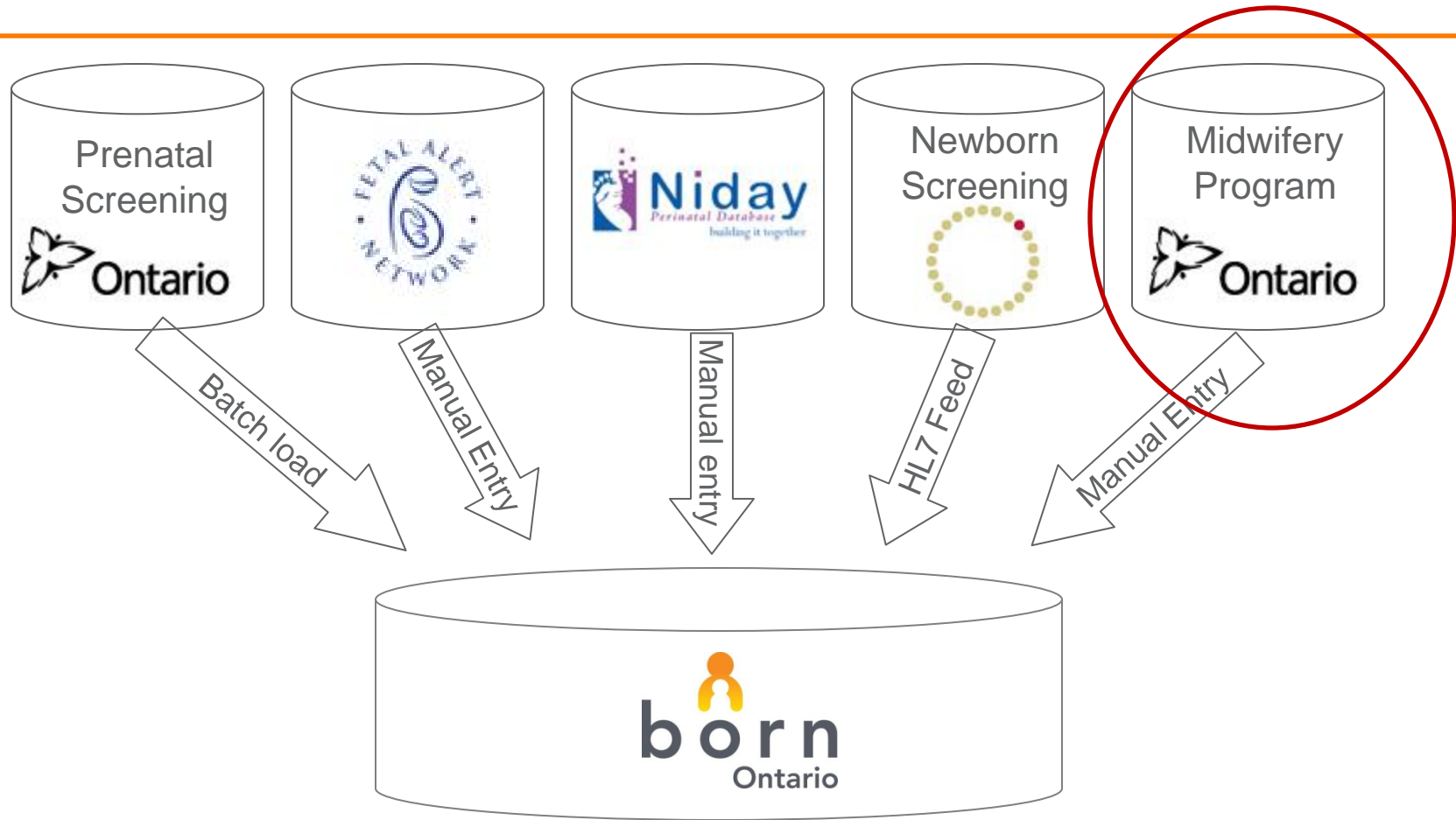


The Answer: BORN Ontario

The best possible beginnings
for lifelong health



The Beginning: Integration



BORN is a PHIPA Registry

- BORN (as OPSS) was granted registry Status under the *Personal Health Information Privacy Act (PHIPA)* in Nov 2009
- Registry status affords BORN authority to collect, use and disclose personal health information **without consent** “for the purpose of “facilitating or improving the provision of health care”.



This special authority requires BORN to develop and adhere to rigorous privacy policies – and have them reviewed and *approved* by the Ontario Information and Privacy Commissioner

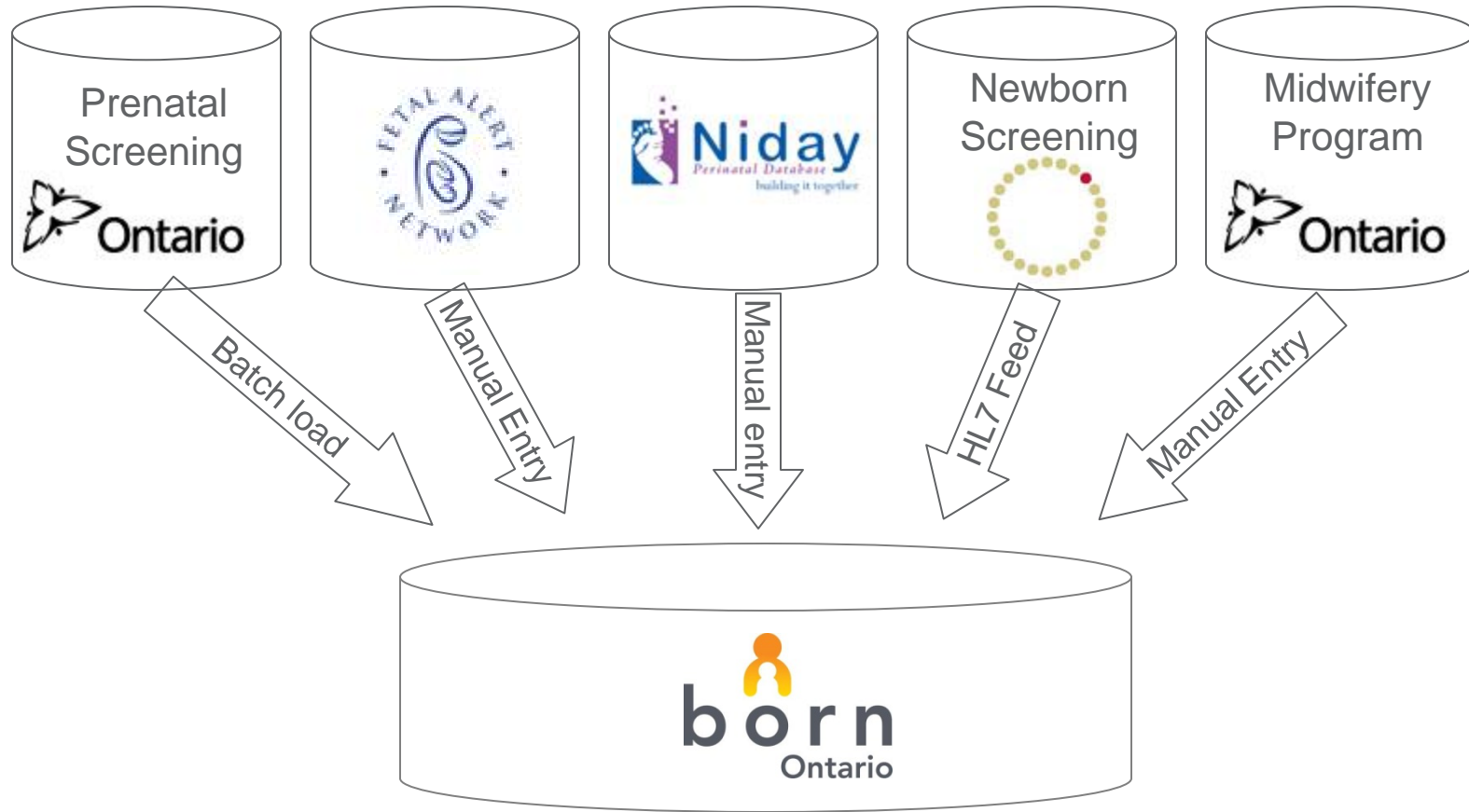
BORN Community: Data Collection

BORN exists to facilitate and improve care to mothers and children in Ontario

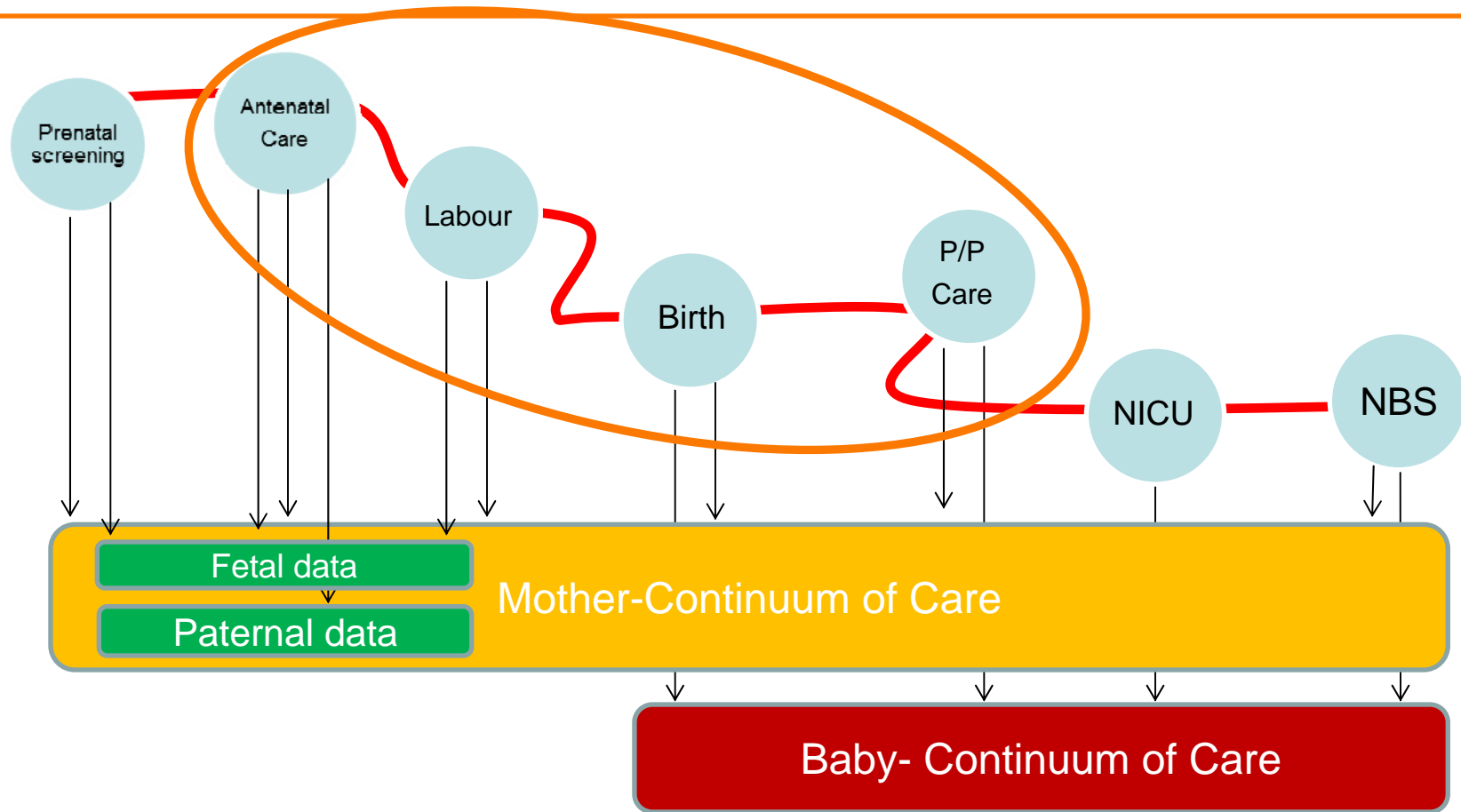
Information on every pregnancy and birth in Ontario

- Labour & Birth
 - Details of 135,000 births annually collected from all 109 birthing hospitals
 - Almost 500 midwives in 78 practice groups caring for ~15000 women annually
- Prenatal Screening: ~84,000 pregnancies
- Newborn Screening: >99% of babies
- Screening Follow-up Centres
- Neonatal Care: 49 NICUs caring for ~7200 babies

BORN Build: The Integration



BORN Continuum



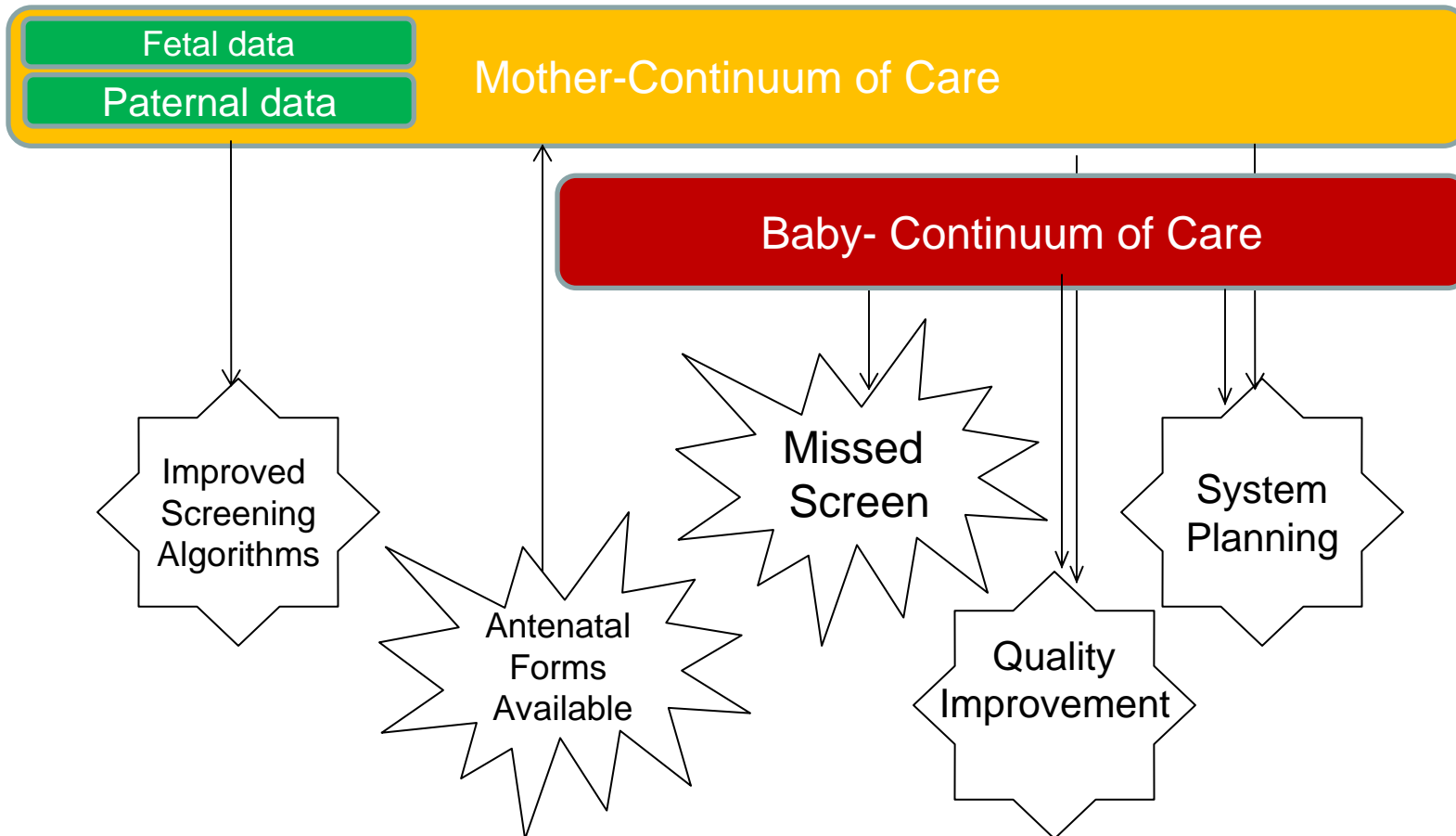
BORN Build: Data Details



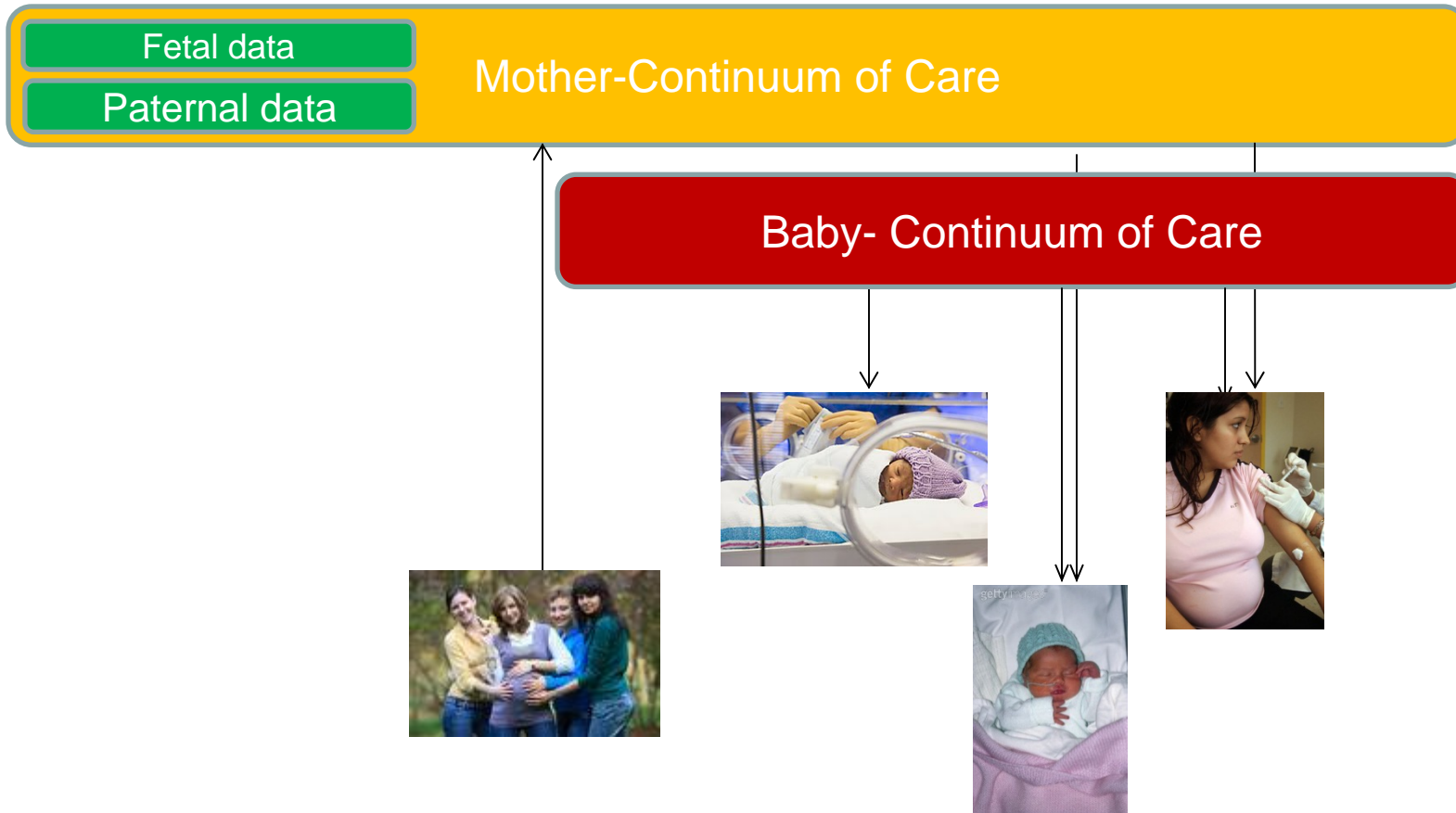
www.BORNOntario.ca/data-dictionary

The Value of Integration

Update for new 'stories'



The True Value of Integration



Hospital: **Alexandra Hospital** ▾Reporting Period: **Previous quarter** ▾Trend Period: **Last 4 quarters** ▾

Maternal Newborn Dashboard

	Rate	Status	Same level of care hospitals	Similar birth volume hospitals	Ontario
Proportion of newborn screening samples that are unsatisfactory for testing	5.0%		5.0%	0.0%	5.0%
Rate of episiotomy in spontaneous vaginal births	29.0%		29.0%	0.0%	29.0%
Rate of formula supplementation in term infants whose mothers intended to breastfeed	15.0%		15.0%	0.0%	15.0%
Rate of repeat cesarean section in low risk women not in labour at term with no medical or obstetrical complications done prior	38.0%		38.0%	0.0%	38.0%
Proportion of labouring women delivering at term who had Group B Streptococcus (GBS) screening at 35-37 weeks gestation	97.0%		97.0%	0.0%	97.0%
Proportion of women induced with an indication of post-dates who are less than 41 weeks gestation at delivery	5.0%		8.0%	0.0%	8.0%

Key Performance Indicator (KPI) Details

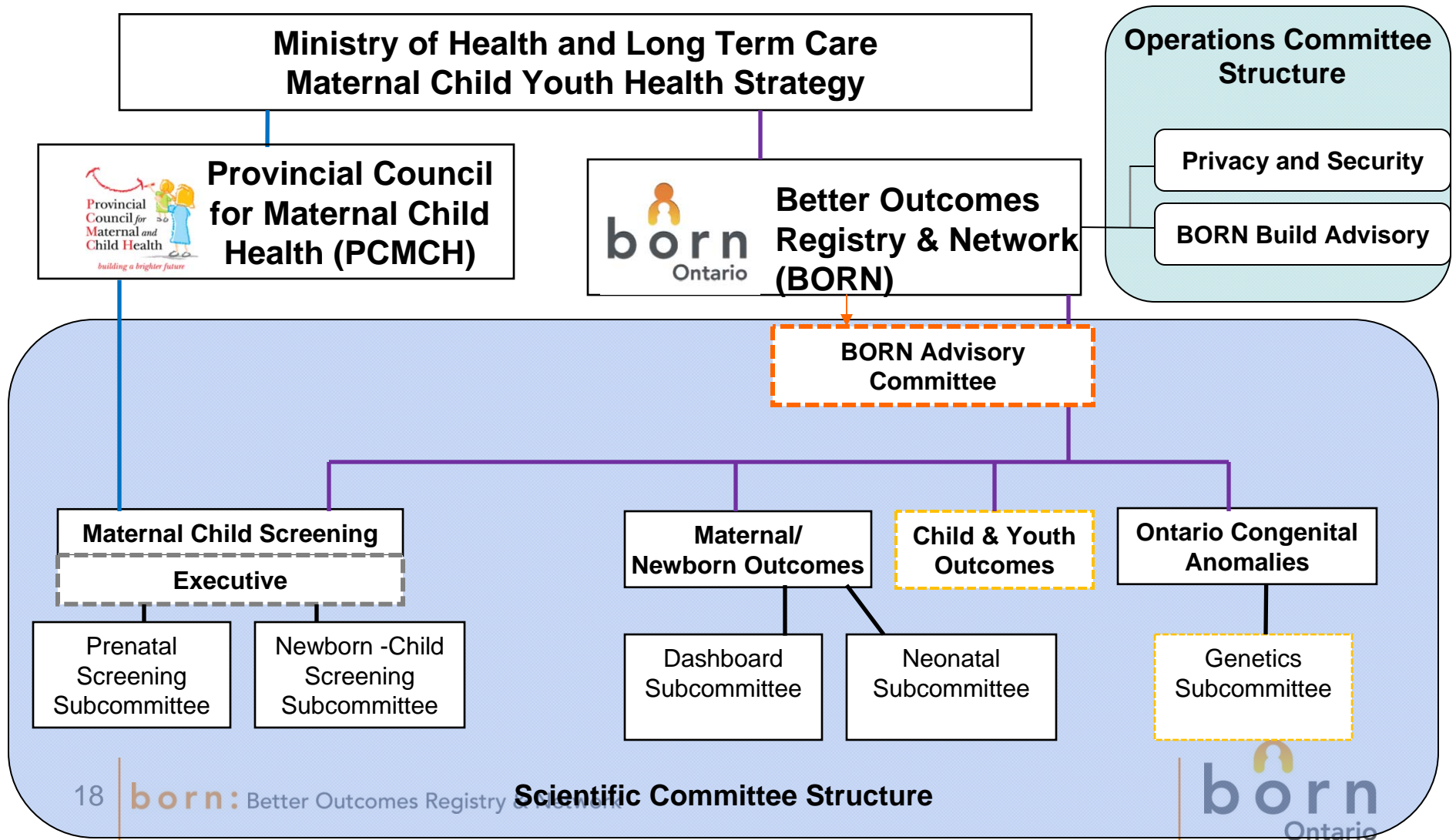
KPI: Rate of repeat cesarean section in low risk women not in labour at term with no medical or obstetrical complications done prior**Status Bands:** Benchmark Status Indicator

Status Band	Value
On Target	< 10.00%
Warning	10.00% to <15.00%
Alert	15.00% or more

Informing & Supporting the Work

- BORN is working with
 - Provincial stakeholders including the CMO, AOM and MEP/IMPP
 - Midwifery Practice Groups
 - Ontario Midwifery Program
- Governance
 - Data dictionary changes
 - Reporting & Research
 - Strategic direction
- Technology Support
 - BORN Coordinators

Committee Structure



Committee Membership

Maternal-Child Screening Committee	Prenatal Screening Subcommittee	Newborn-Child Screening Subcommittee	Maternal-Newborn Outcomes Committee	Ontario Congenital Anomalies Committee
<p>Dr. P. Chakraborty Dr. Michael Geraghty Dr. Robin Hayeems Dr. Alan Hudak Dr. Julian Little Dr. Stephen Lye Dr. Fiona Little Dr. Isaac Odame Dr. Nan Okun Dr. Murray Potter Ms. Stacey Weber</p>	<p>Dr. Nan Okun Dr. Nicolette Caccia Dr. June Carroll Dr. David Chitayat Dr. Gregory Davies Dr. Alan Dennis Ms. Mary Duquette Ms. Andrea Lennox Dr. Walter Romano Dr. Ritu Aul Ms. Danna Hull</p>	<p>Dr. Michael Geraghty Dr. Murray Potter Ms. Cathie Badeau Dr. Andrew Latchman Dr. Sarah Lawrence Dr. J. MacKenzie Dr. Beth Potter Dr. Tony Rupar Ms. Karen Tam Dr. R. van Wylick Dr. P. Chakraborty <i>(ex officio – NSO director)</i></p>	<p>Dr. Graeme Smith Dr. JoAnn Harrold Ms. Liz Darling Dr. Paul Dick Dr. Gregory Flynn Dr. Chris Longo Dr. G. Mariampillai Dr. Renato Natale Ms. Nancy Persichino Ms. M-A Pietrusiak Dr. Joel Ray Dr. Prakesh Shah Dr. Shi Wu Wen</p>	<p>Dr. Greg Ryan Dr. Aideen Moore Dr. David Chitayat Ms. Susan Conacher Mr. A. Deonarine Dr. Kathy Fong Dr. Karen Harman Dr. Julian Little Ms. Jen Milburn Dr. Greg Moore Dr. Rory Windrim Dr. Sarah Keating</p>
<p>Shelley Dougan</p>	<p>Shelley Dougan</p>	<p>Janet Marcadier</p>	<p>Dr. Ann Sprague</p>	<p>Sherrie Kelly</p>

Progress with More to do

- Process for proposing and accepting database changes
- Connectivity & hardware
- More and more reporting
- Aboriginal data collection

Midwifery Invoicing System

- New responsibility - Invoicing
 - RFP with ABS recommended vendor
 - Minimal change for invoice functionality
 - Users: MPGs/TPAs/OMP
 - Integration is key - one point of access
 - Data collected will prepopulate to new Invoicing System

Still to Come ...

- BORN Build Briefing January 2012
 - Deployment
 - Local administration of users/main contact
 - Training
- Invoice Transition
 - Records included on March 2012 Invoice collected in current system
 - Transition to new solution for April 2012 Invoice
- Personal Health Information
 - Data Sharing Agreement January/February 2012
- Midwifery coordinator to be hired

BORN: Key Partners



Ontario
Public Health
Units



BORN: Growth and Development

- To mirror the growth and development of the babies that are in the BORN system
- Add new data sources to improve and facilitate care to the children as they continue to grow



Questions?



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