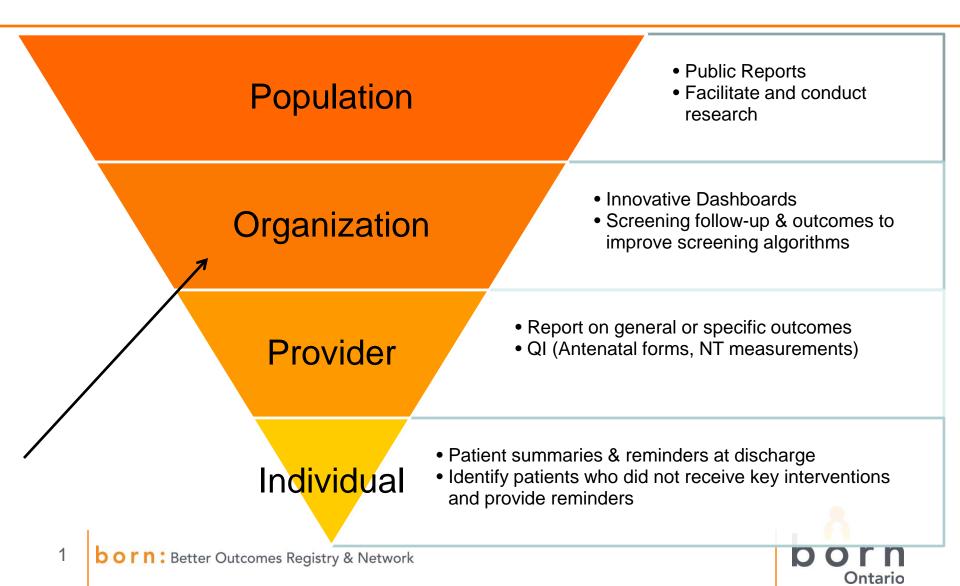
BORN Impact



Dashboards

2

A performance measurement system that provides data on structure, process and outcome variables and incorporates the following functions:

- Reports on a selected key performance indicators (feedback)
- Compares performance to established ideal levels (benchmark)
- Provides alerts to trigger action when performance is sub-optimal • (signal) Target Alert Warning

Dashboards are primarily implemented to drive quality *improvement.* Awareness Agreement Adoption Adherence Key Performance Indicators: selected using rigorous process. Evidence summaries developed for each KPI. http://www.bornontario.ca/reports/dashboard **1**: Better Outcomes Registry & Network

Dashboard Development

- 3 Key Concepts for Indicator Development
 - Clinically meaningful
 - Feasible to measure
 - Amenable to change

BORN Dashboard **Development Process -**Sprague et al, JOGC 2013



Rétumé

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Beller Outcomes Reals in & Ne Work (BO R N) Onterto. O Itawa O N

Peperiment of Pediatrics, Children's Rospital of Eastern Ontario, Olitewa Oliv

Departments of Obsie Hos and Cynecology, and Epidemiology, University of Oliewa, Olizwa O ¹December) of Obsit Nosand Generations. The Olivers Rosal M and The Olivers Rosal M. Research Institute, Olivers Oli

"Decarimeni of Obsie incs and Gynecology, Kings bn General Hospital, Queen's University, Kingsion O K

Abstact

Pregnancy, bit in, and the early rewbiom period are times of high use off-ed in care services. As well as opportunities for providing quality care, here are potential missel opportunities to help have a potential missel opportunities to help have a potential missel costs to help have a potential missel costs to help have a potential missel and help system when qually is notivel defined or measured. There has been a need folden hiv key pentrmance indicators (KP is) fomeasure quality care within the provincial matternal-revolution system. We also wanted to provide automated audit and textback about these KPIs to support quality improvement initiatives in a large Canadian growings with approximately 140 000 births per year. We here the worked to deuelop a mater mi-revolum dashtoard folingrease awareness about sets ded KPIs and to inform and support hospitals and care providers aboutareas for quality improvement.

We mapped matematine whom data elements to aquality domain stanework, sough headback utas unuey for the relevance and testibility of change, and examined oursenidate and the Herakure loass is linse ling provincial benchmarks. Six clinical performance indicators of matternal-newborn quality care were identified and eutlence-informed benchmarks were set A materiel-revolution dashtoerd with fidil down' capacity for detailed analysis loenhance audii and teatback is now audiable for implementation. While audi 1 and shedback does not nuezo be induitivals or institutions will make practice charges and more lowerds overlivit importanistics is see . Practice charge and quality improvement will no onur without an awareness of the issues

Word a Quality Improvement, performance measures, récerdi, auditi and réedback, doste Mos, maternet-newborn can mpe ing interests : None de dared . evaluation March 27, 2012 aces led on September 12, 2012

Lagrossesse , faccouchemeni el les débuis de la période néorable son ides périodes côlles temmes toni grandemeni appel à des serukas de sanë . Blenquil stagiste të de bornes cozasions de fourtir des sons de qualité , cas përiodes peuceri dyalemeni eTre marquêes, l'osque laquali të nësi pas bien dëlinie cu mesurëe, par des cozasions manquées en maiére de promoion de la santé, par des problèmes de stre lé e ipar des dépassements de colte aux riues av induituel et systèmique. Nous aucris cons bié unbeschriditien iter des indicateurs de rendement dés (RC) en que de mesurer la qualié des soins au stindusystène provincial de santé maternete-né craste. Nous soutrellans également toumindes mélaarismes automatisés d'audit e ide néroaction aussie ide cas IRC , en que de soutenintes in la lue s

d'amélicration de laquellé aussind'une grande province canadierne comptanier viron 140 000 naissances par année. Nous avons donc lavailé à l'éctoration d'un tableau de bord matemé-néoratei visani A approlite les complissances au sublide certains BC, ainsi p./A a accore es con assances as sources consectants (en any consectants) renseigner el às culent les hôjt bux el les fournisseurs de soins ence qu'a trait à certeins aspecis récessi tantune amétication de laquel é

OBSTETRICS

Nous auons carlographié les éléments de dornées materneles-nécratées dans un cadre de domaine de qualité, du leru des commentaires par l'intermédiaire d'un sondage pour ce qui est de la nerinence e i de la visabili é du changement, el evanice talifératur e lies données actuelles en uue de nous alder à formuler des points de repêre provinciaux. Elx indicateurs de rendement dinibues en malére de puel é des sons malerreis nécraisux oni é lé iden hiés e i des points de repére técheis chié é établis. Un tableau de bord matemetrefonalal disposani d'un « accés en mode descendani » er ute de cerme lire une analyse détailée uisan lifaméticration de l'audie i de la réfroncion esi dorênavanî prê la êre mis en terwre. Bien que l'audi le i la réfrascion ne puisseni garantir que les personnes e l les élablissements modifieron lieurs gratiques etise tourreron luces l'amélioration de la quait 2, 1 s'agli i cui de mêne d'une première é tape importante . La motification des praiques e ll'amélioration d laquellé re se protution i pas sans que les zones problématiques ne sdepi mises auto r

J 0 to bill Gynamodi Can 2013 39(1) 29-38



Maternal Newborn Dashboard - Home Page

Hospital, 1-Feb-2013 to 30-Apr-2013. Months with acknowledged data submission: February, March, April.

					Ber	nchmark rates	(%)	Comp Other	oarator rates (Other 1001-	%)
Кеу	Performance Ir	idicators	Rate (%)	Status	Target (green)	Warning (yellow)	Alert (red)	Neonatal Level IIc hospitals	2499 birth volume - hospitals	Ontario
	Proportion of r unsatisfactory	newborn screening samples that were for testing	1.9	•	<2.0	2.0-3.0	>3.0	4.0	4.3	4.5
	-	omy in women who had a spontaneous	16.8	0	<13.0	13.0-17.0	>17.0	15.7	15.2	18.3
3 1		a supplementation at discharge in term mothers intended to breastfeed	40.1	•	<20.0	20.0-25.0	>25.0	40.2	39.7	39.8
1	from ≥37 to <3	vomen with a cesarean section performed 9 weeks' gestation among low-risk	52.8	•	<11.0	11.0-15.0	>15.0	54.3	62.5	51.0
5 1	Proportion of v	a repeat cesarean section at term vomen who delivered at term and had ococcus (GBS) screening at 35-37 weeks'	97.0	•	>94.0	90.0-94.0	<90.0	97.1	96.9	97.3
61	indication of p	vomen who were induced with an ost-dates and were less than 41 weeks'	9.5	•	<5.0	5.0-10.0	>10.0	10.1	9.6	18.0
	gestation at de									
Dat Not	a source es	 BORN Ontario, 2012-2013 1. Rates and status are based on three prior n 2. Grey status indicates incomplete month end complete for each of the three months in the indicator will be shown. 3. Comparator data is represented as the rate reporting period, within a given comparator con hospitals exclude the reporting hospital, when 4. Neonatal Level of Care was chosen for comp 	l acknowledg reporting pe from a mini ategory. The eas the rates	ement for . eriod. If a k mum of thr comparato s for Ontari	key perfori ey perforn ee or more r rates for 'o include t	mance indicator nance indicator hospitals who other same leve he reporting ho	s. Please e has a greys have ackno el of care h ispital.	nsure month e status, no com wledged their ospitals and ot	nd acknowledge parator data fo data for the thi ther similar birt	r that ree month h volume

and Child Health (PCMCH) in 2011 and were not available prior to this date.

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Example of report - Main table

Proportion of women with a cesarean section performed prior to 39 weeks' gestation among low-risk women having a repeat cesarean section at term, by hospital of birth and comparator groups

Hospital 1, 1 Apr 2012-31 Oct 2012

1	Hernit		,					Comparator	groups			
1	Hospit	di	,	Other N	leonatal Leve	l lic hospitals	Other 10	01-2499 birth v	olume hospitals		Ontario	
Low-risk women who had a repeat cesarean section at term (237 weeks)	repea P	ow-risk women who had a repeat cesarean section performed from 37 to <39 weeks' gestation n % 95% Cl			a repeat an section med from 39 weeks'	Hospitals with	had a re section p 37 to	epeat cesarean performed from p <39 weeks'	Hospitals with acknowledged data submission	section performed from 37 to <39 weeks gestation		Hospitals with acknowledged data submission
N	n	%	95% CI	% 95% CI			%	95% CI		% 95% CI		
685	208	30.3	(29.9-31.5)	30.4	(29.8-31.7)		29.8	(27.9-32.9)		30.7	(31.5-29.9)	
685	208	30.3	(29.9-31.5)	30.4	(29.9-31.5)		29.8	(27.9-31.5)		30.7	(29.9-31.5)	
293	88	29.9	(27.9-30.4)									
97	29	30.1	(29.9-31.5)	29.9	(27.9-31.5)	16 of 16	29.9	(26.9-31.5)	18 of 19	30.3	(29.8-31.5)	101 of 106
101	30	29.9	(26.9-31.4)	30.1	(29.9-31.4)	10 of 16	30.1	(29.9-31.4)	16 of 19	30.2	(29.9-31.4)	89 of 106
95	28	29.8	(27.9-31.5)	30.2	(27.9-31.5)	9 of 16	28.9	(27.9-31.5)	13 of 19	29.7	(27.9-31.5)	85 of 106
290	88	30.5	(29.9-31.5)									
87	29	33.3	(31.9-35.5)	30.8	(28.9-35.5)	9 of 16	30.1	(27.9-32.5)	10 of 19	32.1	(31.9-35.5)	73 of 106
98	30	30.6	(27.9-31.5)	30.9	(27.9-31.5)	8 of 16	29.8	(27.9-31.5)	8 of 19	31.8	(29.9-32.8)	52 of 106
105	29	27.6	(25.9-29.5)	30.4	(25.9-33.5)	6 of 16	30.2	(29.9-32.5)	5 of 19	29.9	(26.9-31.5)	64 of 106
1'		1										
102	32	31.4	(30.9-31.8)	30.4	(28.0-31.8)	3 of 16	29.9	(27.9-31.8)	4 of 19	31.1	(30.9-31.8)	16 of 106
	Low-risk women who had a repeat cesarean section at term (≥37 weeks) N 685 685 685 293 97 101 101 95 290 87 98 105	Low-risk women who had a repeat cesarean section at term (≥37 weeks)Low-ris repeat p 37 to dNn6852086852082938897291013095282908888729983010529	who had a repeat cesarean section at term (≥37 weeks) Low-risk women repeat cesarean performed 37 to <39 weeks N n % 685 208 30.3 685 208 30.3 685 208 30.3 97 29 30.1 101 30 29.9 95 28 29.8 290 88 30.5 87 29 33.3 98 30 30.6 105 29 27.6	Low-risk women who had a repeat cesarean section at term (≥37 weeks) Low-risk women who had a repeat cesarean section 37 to <39 weeks' gestation N n % 95% Cl 685 208 30.3 (29.9-31.5) 685 208 30.3 (29.9-31.5) 685 208 30.3 (29.9-31.5) 293 88 29.9 (27.9-30.4) 97 29 30.1 (29.9-31.5) 101 30 29.9 (26.9-31.4) 95 28 29.8 (27.9-31.5) 290 88 30.5 (29.9-31.5) 87 29 33.3 (31.9-35.5) 98 30 30.6 (27.9-31.5) 105 29 27.6 (25.9-29.5)	Low-risk women who had a repeat cesarean section at term (≥37 weeks) Low-risk women who had a repeat cesarean section performed from 37 to <39 weeks' gestation Low-risk had a cesarea perform 37 to < N n % 95% Cl % 685 208 30.3 (29.9-31.5) 30.4 685 208 30.3 (29.9-31.5) 30.4 977 29 30.1 (29.9-31.5) 29.9 101 30 29.9 (27.9-30.4) 975 28 29.8 (27.9-31.5) 30.1 95 28 29.8 (27.9-31.5) 30.2 290 88 30.5 (29.9-31.5) 30.2 291 30.1 (29.9-31.5) 30.2 292 30.1 (29.9-31.5) 30.2 290 88 30.5 (29.9-31.5) 30.2 87 29 33.3 (31.9-35.5) 30.8 98 30 30.6 (27.9-31.5) 30.9 105 29 27.6 (25.9-29.5)	Low-risk women who had a repeat cesarean section at term (≥37 weeks) Low-risk women who had a repeat cesarean section performed from 37 to <39 weeks Low-risk women who had a repeat cesarean section performed from 37 to <39 weeks' gestation N n % 95% CI % 95% CI 685 208 30.3 (29.9-31.5) 30.4 (29.9-31.5) 685 208 30.3 (29.9-31.5) 30.4 (29.9-31.5) 293 88 29.9 (27.9-30.4) (29.9-31.5) 30.4 (29.9-31.5) 101 30 29.9 (26.9-31.4) 30.1 (29.9-31.5) 101 30 29.9 (27.9-31.5) 30.2 (27.9-31.5) 290 88 30.5 (29.9-31.5) 30.2 (27.9-31.5) 290 88 30.5 (29.9-31.5) 30.2 (27.9-31.5) 290 88 30.5 (29.9-31.5) 30.8 (28.9-35.5) 398 30 30.6 (27.9-31.5) 30.8 (28.9-35.5) 98 30 30.6 (27.9-31.5)	Other Neonatal Level IIc hospitalsLow-risk women who had a repeat cesarean section at term (\geq 37 weeks)Low-risk women who had a repeat cesarean section performed from 37 to $<$ 39 weeks' gestationLow-risk women who had a repeat cesarean section performed from 37 to $<$ 39 weeks' gestationHospitals with acknowledged data submissionNn%95% CI%95% CI68520830.3(29.9-31.5)30.4(29.8-31.7)68520830.3(29.9-31.5)30.4(29.9-31.5)2938829.9(27.9-30.4)(29.9-31.5)16 of 161013029.9(26.9-31.4)30.1(29.9-31.5)16 of 16952829.8(27.9-31.5)30.2(27.9-31.5)9 of 162908830.5(29.9-31.5)30.8(28.9-35.5)9 of 1629130.4(27.9-31.5)30.9(27.9-31.5)9 of 16983030.6(27.9-31.5)30.9(27.9-31.5)8 of 161052927.6(25.9-29.5)30.4(25.9-33.5)6 of 161052927.6(25.9-29.5)30.4(25.9-33.5)6 of 16	Low-risk women who had a repeat cesarean section at term $(\geq 37 \text{ weeks})$ Low-risk women who had a repe-t cesarean section performed from $37 \text{ to } < 39 \text{ weeks}'$ gestationLow-risk women who had a repeat cesarean section performed from $37 \text{ to } < 39 \text{ weeks}'$ gestationLow-risk women who had a repeat cesarean section performed from $37 \text{ to } < 39 \text{ weeks}'$ gestationLow-risk had a repeat cesarean section performed from $37 \text{ to } < 39 \text{ weeks}'$ gestationLow-risk had a repeat cesarean section performed from $37 \text{ to } < 39 \text{ weeks}'$ Low-risk had a repeat cesarean section performed from $37 \text{ to } < 39 \text{ weeks}'$ Low-risk had a repeat cesarean section performed from $37 \text{ to } < 39 \text{ weeks}'$ Low-risk had a repeat cesarean section performed from $37 \text{ to } < 39 \text{ weeks}'$ Low-risk had a repeat cesarean section $237 \text{ to } < 39 \text{ weeks}'$ Low-risk had a repeat cesarean section $237 \text{ to } < 39 \text{ weeks}'$ Low-risk had a repeat cesarean section $237 \text{ 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Data source

BORN Ontario, 2011-2013

Definition of indicator

Notes

The number of low-risk women with a cesarean section performed from 37 to <39 weeks' gestation, expressed as a percentage of the total number of low-risk women who had a repeat cesarean section at term (\ge 37 weeks) (in a given place and time).

1. Repeat cesarean section in low-risk women is defined as a cesarean section performed prior to the onset of labour, and in the absence of medical or obstetrical indications for delivery among women with a history of one or more previous cesarean sections. For this analysis, the definition includes women with a singleton live birth, between 37 and 42 weeks of gestational age, with no maternal medical problems, no obstetrical complications, and none of the following indications for cesarean: cord prolapse, fetal

5 **born:** Better Outcomes Registry & Network

Maternal Newborn Dashboard (MND) Sub-Report Enhancements

born	1. 1993 - 1994 - 1994 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 19 1995 -	y of maternal i -Dec-2012 to 31-D		or low-risk wor	nen having a repeat ce	esarean section performed fro	om ≥37 to <39 we	eks' gestati	on		
ID	Pregnancy outcome	Gestation <mark>al</mark> age at birth	Number of fetuses	Number of previous Cesarean Sections	Type of birth	All indications for Cesarean Section	Pre-existing maternal health conditions	Complications of pregnancy	Diabetes and	disorders of	Labour and birth complications
Chart #\11111	Live birth	38 Weeks 6 Days	1	1	No Labour - Cesarean Section	Maternal Previous C/Section	None	None	None	None	None
Chart #\11112	Live birth	38 Weeks 2 Days	1	2	No Labour - Cesarean Section	Fetal Malposition	None	None	None	None	None
Chart #\11116	Live birth	37 Weeks 6 Days	1	1	No Labour - Cesarean Section	Maternal Previous C/Section	None	None	None	None	None
Chart #\ <u>11120</u>	Live birth	37 Weeks 6 Days	1	3	No Labour - Cesarean Section	Other Accommodates Care Provider,	None	None	None	None	None
Chart #\11199	Live birth	37 Weeks 0 Days	1	1	No Labour - Cesarean Section	Other Maternal Request	None	None	None	None	None
Total 5			8	170 - 81						62 III	

BORN Ontario, 2012-2013

Data source

Notes

Definition of indicator Summary of maternal records for low-risk women with a cesarean section performed from >37 to <39 weeks' gestation (37 weeks + 0 days to 38 weeks + 6 days gestation) (in a given place and time).

1. Repeat cesarean section in low-risk women is defined as a cesarean section performed prior to the onset of labour, among women with a singleton live birth, with a history of one or more previous cesarean sections and with no fetal or maternal health conditions or obstetrical complications. Women with indication for cesarean section are excluded, other than women with the following indications: fetal malposition/malpresentation, previous cesarean section, accommodates care provider/organization, or maternal request.

As well as missing data tables for:

- Numerator records
- Denominator records
- Overall missing data





KPI 1. Proportion of newborn screening samples that were unsatisfactory for testing (%)

LHINs, 01-Apr-2012 and 31-Dec-2013

	Be	enchmark rates (<u>(%)</u>	_				
	Target	Warning	Alert		**Mc	st I HINs	have met	target rate**
	<2.0	2.0-3.0	>3.0					urget rute
	Apr 2012 - Jun	Jul 2012 - Sep	Oct 2012 - Dec	Jan 2013 - Mar	Apr 2013 - Jun	Jul 2013 - Sep	Oct 2013 - Dec	Absolute
	2012	2012	2012	2013	2013	2013	2013	improvement
	%	%	%	%	%	%	%	%
LHIN 2 - South West	5.8	4.2	4.0	3.1	1.8	1.1	1.0	4.8
LHIN 6 - Mississauga/Halton	3.3	2.8	4.9	2.5	0.6	0.7	0.7	2.6
LHIN 12 - North Simcoe Muskoka	3.9	2.0	2.5	1.1	1.4	1.2	1.8	2.1
LHIN 9 - Central East	3.1	1.7	1.5	1.7	1.5	0.8	1.2	1.9
LHIN 5 - Central West	3.2	3.9	3.9	4.5	2.3	1.7	1.5	1.7
LHIN 7 - Toronto Central	3.8	2.3	3.5	2.4	1.5	2.0	2.1	1.7
LHIN 4 - Hamilton Niagara Haldimand Brant	2.6	1.3	1.9	2.0	1.1	0.8	1.1	1.5
LHIN 10 - South East	3.3	3.6	3.5	2.9	1.6	0.9	2.2	1.1
LHIN 11 - Champlain	1.9	1.0	0.8	1.2	0.5	0.4	1.0	0.9
LHIN 8 - Central	2.4	1.4	1.8	1.7	1.5	1.0	1.7	0.7
LHIN 14 - North West	4.3	2.0	5.7	4.4	2.5	1.8	3.6	0.7
LHIN 1 - Erie St. Clair	1.0	0.8	0.7	1.2	1.3	0.7	0.4	0.6
LHIN 3 - Waterloo Wellington	0.9	0.7	0.8	0.7	0.5	0.4	1.2	-0.3
LHIN 13 - North East	3.4	2.9	3.4	4.0	4.0	2.7	3.8	-0.4
Ontario	3.0	2.1	2.6	2.2	1.4	1.1	1.5	1.5

Data source Definition of indicator BORN Ontario, 2012-2014

The number of newborn screening samples that are unsatisfactory for testing, expressed as a percentage of the total number of newborn screening samples submitted to Newborn Screening Ontario (NSO) from a given organization (as noted on the newborn screening requisition as the 'Submitting Health Care Provider').

The BORN Maternal Newborn Dashboard became available November 19, 2012 **Characteristics** Notwork



Notes 7



KPI 1. Proportion of newborn screening samples that were unsatisfactory for testing (%) LOCs, 01-Apr-2012 and 31-Dec-2013

All LOC groups have met target rate

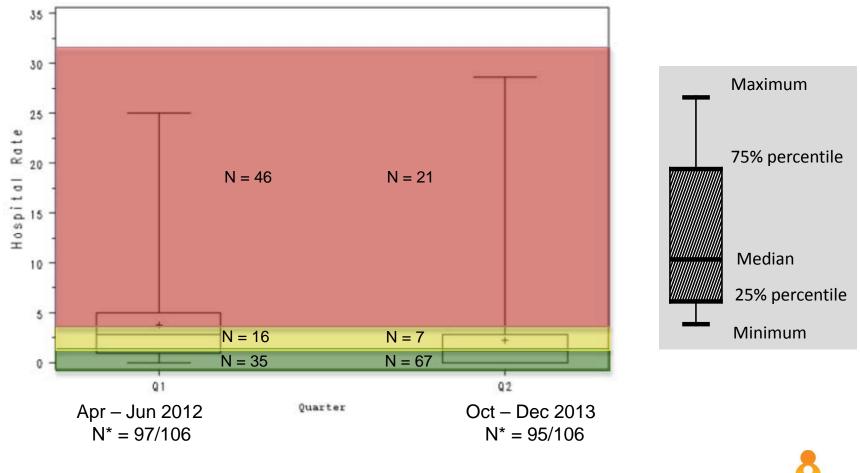
	Be	enchmark rates (<u>(%)</u>	_				
	Target	Warning	Alert					
	<2.0	2.0-3.0	>3.0]				
	Apr 2012 - Jun	Jul 2012 - Sep	Oct 2012 - Dec	Jan 2013 - Mar	Apr 2013 - Jun	Jul 2013 - Sep	Oct 2013 - Dec	Absolute
	2012	2012	2012	2013	2013	2013	2013	improvement
	%	%	%	%	%	%	%	%
NeonatalLevellla	3.7	2.0	3.5	1.8	1.1	0.6	0.9	2.8
Neonatal Level IIIa/IIIb	3.4	2.0	2.7	2.1	1.1	1.5	1.6	1.8
Neonatal Level I	3.5	2.5	2.8	2.9	1.9	1.4	1.9	1.6
NeonatalLevelIIb	2.7	2.0	2.2	2.1	1.2	0.9	1.3	1.4
NeonatalLevellic	2.5	2.0	2.3	2.3	1.6	1.1	1.6	0.9
Ontario	3.0	2.1	2.6	2.2	1.4	1.1	1.5	1.5

BORN Ontario, 2012-2014 Data source The number of newborn screening samples that are unsatisfactory for testing, expressed as a percentage of the total number of Definition of indicator newborn screening samples submitted to Newborn Screening Ontario (NSO) from a given organization (as noted on the newborn screening requisition as the 'Submitting Health Care Provider'). Notes

The BORN Maternal Newborn Dashboard became available November 19, 2012



KPI 1. Proportion of newborn screening samples that were unsatisfactory for testing

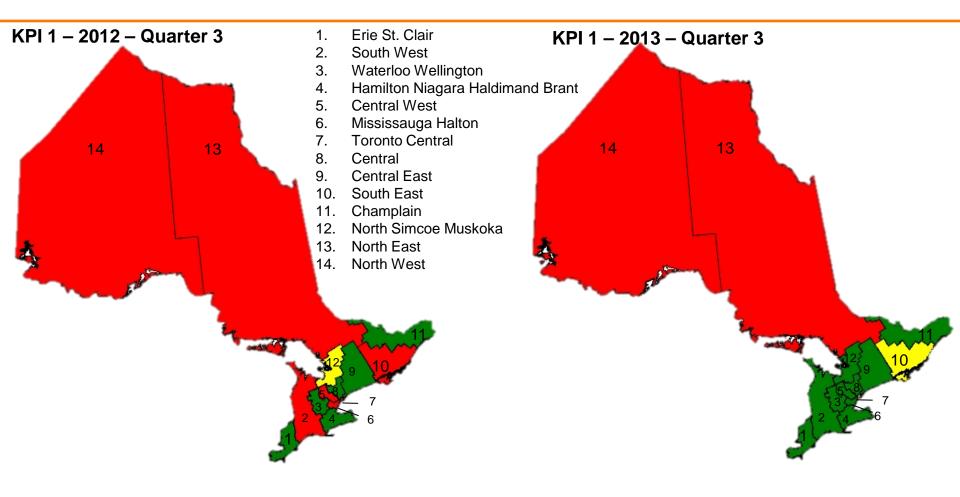




*Only hospitals with submitted data are included in the figure



KPI 1. Proportion of newborn screening samples that were unsatisfactory for testing (%)



Warning 2-3% Alert >3%



Benchmark target Target <2%

KPI 2: Rate of episiotomy in women having a spontaneous vaginal birth





KPI 2. Rate of episiotomy in women having a spontaneous vaginal birth

LHINs, 01-Oct-2012 and 31-Dec-2013

	<u>E</u>	Benchmark rates (%	<u>6)</u>								
	Target	Warning	Alert								
	<13.0	13.0-17.0	>17.0								
	Oct 2012 - Dec 2012	Hospitals with data acknowledged	Jan 2013 - Mar 2013	Hospitals with data acknowledged	Apr 2013 - Jun 2013	Hospitals with data acknowledged	Jul 2013 - Sep 2013	Hospitals with data acknowledged	Oct 2013 - Dec 2013	Hospitals with data acknowledged	Absolute improvement
	%	n	%	n	%	n	%	n	%	n	%
LHIN 8 - Central	23.2	7 of 7	22.0	7 of 7	19.3	7 of 7	10.3	5 of 7	9.3	5 of 7	11.8
LHIN 9 - Central East	15.5	9 of 9	13.1	9 of 9	10.3	9 of 9	11.9	9 of 9	11.0	9 of 9	5.0
LHIN 12 - North Simcoe Muskoka	10.8	6 of 6	10.9	6 of 6	10.9	6 of 6	11.0	6 of 6	9.7	6 of 6	4.6
LHIN 1 - Erie St. Clair	13.4	4 of 4	13.4	4 of 4	12.5	4 of 4	14.2	4 of 4	11.7	3 of 4	4.2
LHIN 5 - Central West	12.6	3 of 3	12.6	3 of 3	13.2	3 of 3	11.5	3 of 3	6.1	1 of 3	4.1
LHIN 4 - Hamilton Niagara Haldimand Brant	8.7	9 of 9	9.9	9 of 9	6.8	6 of 9	6.4	6 of 9	6.9	6 of 9	3.9
LHIN 13 - North East	8.7	13 of 13	7.5	13 of 13	6.2	12 of 13	8.6	12 of 13	6.8	11 of 13	2.7
LHIN 11 - Champlain	7.1	10 of 10	5.6	10 of 10	5.2	10 of 10	4.1	9 of 10	4.2	9 of 10	2.5
LHIN 2 - South West	5.1	12 of 12	5.4	12 of 12	5.4	12 of 12	4.9	11 of 12	3.6	11 of 12	2.4
LHIN 3 - Waterloo Wellington	12.1	6 of 6	13.3	6 of 6	11.7	6 of 6	15.1	5 of 6	12.9	6 of 6	0.9
LHIN 7 - Toronto Central	7.5	5 of 5	7.8	5 of 5	6.9	4 of 5	6.9	3 of 5	7.9	2 of 5	0.7
LHIN 6 - Mississauga/Halton	3.8	5 of 5	3.1	5 of 5	4.5	5 of 5	3.8	5 of 5	4.4	5 of 5	0.3
LHIN 10 - South East	6.5	5 of 5	5.5	5 of 5	5.7	5 of 5	5.7	4 of 5	5.0	4 of 5	-0.3
LHIN 14 - North West	2.3	9 of 9	3.4	9 of 9	4.0	9 of 9	5.7	8 of 9	4.7	8 of 9	-0.3
Ontario	10.7	103 of 103	10.2	103 of 103	9.2	98 of 103	8.2	90 of 103	7.4	86 of 103	3.6

Most LHINs have met target rate

Data source

BORN Ontario, 2012-2014

Definition of indicator

The number of women who had a spontaneous vaginal birth with episiotomy, expressed as a percentage of the total number of women

who had a spontaneous vaginal birth (in a given place and time).

The BORN Maternal Newborn Dashboard became available November 19, 2012



Intario

Notes



Maternal Newborn Dashboard Quarterly LHIN LOC Report

KPI 2. Rate of episiotomy in women having a spontaneous vaginal birth

LOCs, 01-Oct-2012 and 31-Dec-2013

Most LOC groups have met target rate

	E	enchmark rates (%	5)								
	Target	Warning	Alert								
	<13.0	13.0-17.0	>17.0								
	Oct 2012 - Dec 2012	Hospitals with data acknowledged	Jan 2013 - Mar 2013	Hospitals with data acknowledged	Apr 2013 - Jun 2013	Hospitals with data acknowledged	Jul 2013 - Sep 2013	Hospitals with data acknowledged	Oct 2013 - Dec 2013	Hospitals with data acknowledged	Absolute improvement
	%	n	%	n	%	n	%	n	%	n	%
Neonatal Level IIc	14.6	17 of 17	13.3	17 of 17	12.6	17 of 17	9.0	15 of 17	8.0	12 of 17	6.7
Neonatal Level IIIa/IIIb	6.5	6 of 6	6.4	6 of 6	4.8	5 of 6	4.5	4 of 6	3.7	4 of 6	3.4
Neonatal Level I	8.4	53 of 53	6.7	53 of 53	7.6	52 of 53	7.5	50 of 53	5.5	50 of 53	2.3
Neonatal Level IIb	10.2	13 of 13	10.6	13 of 13	8.6	14 of 14	9.3	14 of 14	9.4	12 of 14	1.7
Neonatal Level IIa	9.1	14 of 14	9.3	14 of 14	6.8	10 of 13	7.7	7 of 13	8.1	8 of 13	1.2
Ontario	10.7	103 of 103	10.2	103 of 103	9.2	98 of 103	8.2	90 of 103	7.4	86 of 103	3.6

Data source Definition of indicator BORN Ontario, 2012-2014

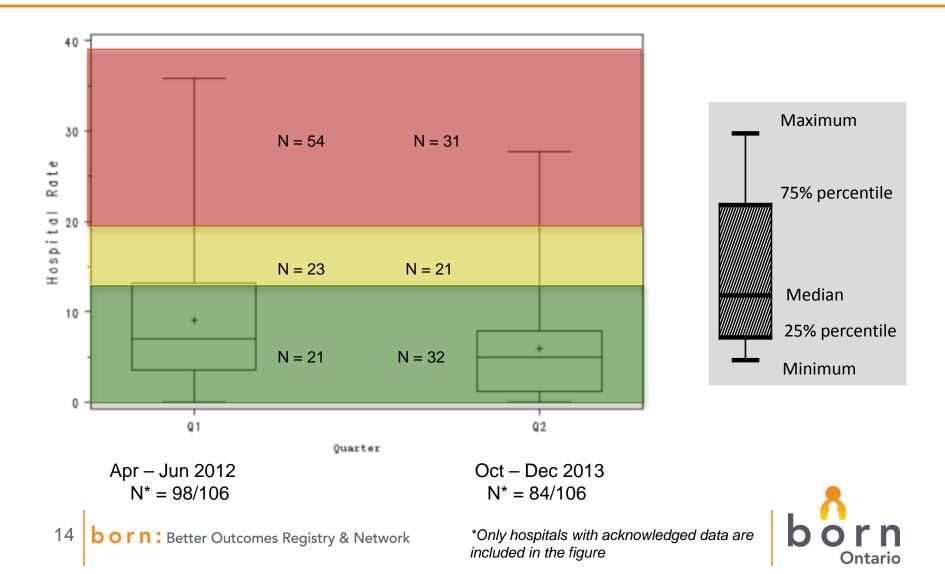
The number of women who had a spontaneous vaginal birth with episiotomy, expressed as a percentage of the total number of women who had a spontaneous vaginal birth (in a given place and time).

Notes

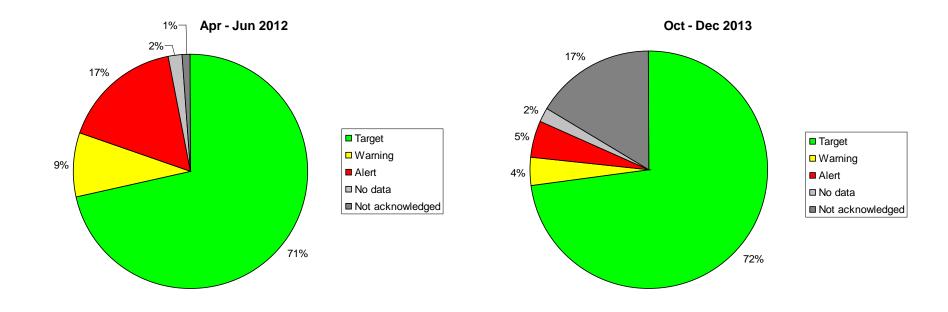
The BORN Maternal Newborn Dashboard became available November 19, 2012



KPI 2. Rate of episiotomy in women having a spontaneous vaginal birth



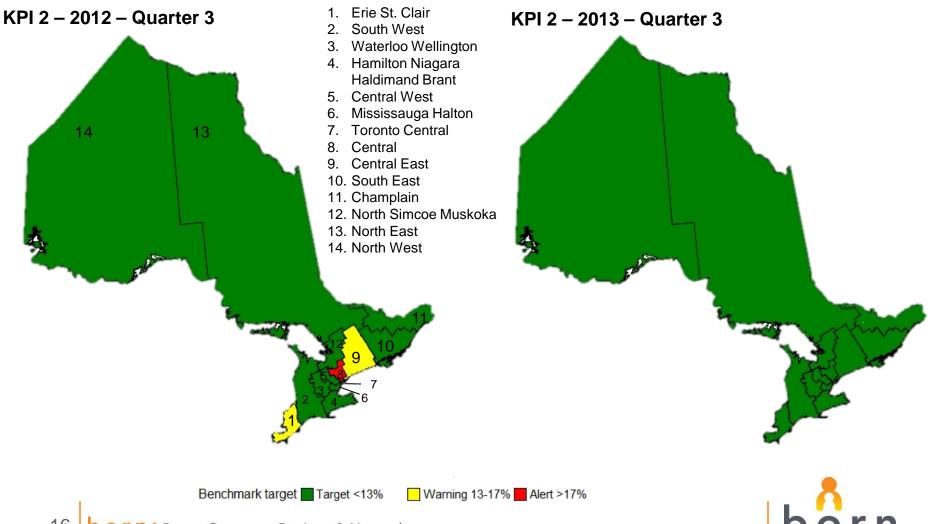
KPI 2. Rate of episiotomy in women having a spontaneous vaginal birth



Ontario



KPI 2. Rate of episiotomy in women having a spontaneous vaginal birth (%)



Ontaric

KPI 3: Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed





Maternal Newborn Dashboard Quarterly LHIN LOC Report

KPI 3. Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed

LHINs, 01-Oct-2012 and 31-Dec-2013

	B	enchmark rates (%	<u>6)</u>								
	Target	Warning	Alert								
	<20.0	20.0-25.0	>25.0								
	Oct 2012 - Dec 2012	Hospitals with data acknowledged	Jan 2013 - Mar 2013	Hospitals with data acknowledged	Apr 2013 - Jun 2013	Hospitals with data acknowledged	Jul 2013 - Sep 2013	Hospitals with data acknowledged	Oct 2013 - Dec 2013	Hospitals with data acknowledged	Absolute improvement
	%	n	%	n	%	n	%	n	%	n	%
LHIN 14 - North West	29.5	9 of 9	27.6	9 of 9	26.7	9 of 9	23.6	8 of 9	22.3	8 of 9	7.7
LHIN 5 - Central West	43.2	3 of 3	48.4	3 of 3	50.4	3 of 3	55.0	3 of 3	29.3	1 of 3	7.5
LHIN 1 - Erie St. Clair	39.5	4 of 4	36.5	4 of 4	33.1	4 of 4	29.1	4 of 4	27.8	3 of 4	7.2
LHIN 12 - North Simcoe Muskoka	21.3	6 of 6	21.8	6 of 6	18.0	6 of 6	17.1	6 of 6	19.0	6 of 6	4.4
LHIN 3 - Waterloo Wellington	18.0	6 of 6	20.3	6 of 6	16.5	6 of 6	17.2	5 of 6	14.4	6 of 6	3.9
LHIN 10 - South East	31.9	5 of 5	30.3	5 of 5	27.5	5 of 5	27.9	4 of 5	28.2	4 of 5	1.1
LHIN 6 - Mississauga/Halton	41.2	5 of 5	41.5	5 of 5	37.8	5 of 5	34.5	5 of 5	35.9	5 of 5	-0.8
LHIN 2 - South West	26.8	12 of 12	25.7	12 of 12	26.2	12 of 12	25.6	11 of 12	28.1	11 of 12	-1.2
LHIN 7 - Toronto Central	28.9	5 of 5	27.5	5 of 5	23.9	4 of 5	24.9	3 of 5	28.6	2 of 5	-3.5
LHIN 11 - Champlain	31.3	10 of 10	27.7	10 of 10	26.1	10 of 10	30.5	9 of 10	30.9	9 of 10	-4.2
LHIN 9 - Central East	40.2	9 of 9	36.7	9 of 9	35.0	9 of 9	39.3	9 of 9	38.2	9 of 9	-4.8
LHIN 13 - North East	28.0	13 of 13	28.7	13 of 13	26.6	12 of 13	26.0	12 of 13	32.2	11 of 13	-5.2
LHIN 4 - Hamilton Niagara Haldimand Brant	32.8	9 of 9	35.1	9 of 9	33.3	6 of 9	30.6	6 of 9	34.9	6 of 9	-5.5
LHIN 8 - Central	40.7	7 of 7	42.9	7 of 7	37.2	7 of 7	42.6	5 of 7	46.2	5 of 7	-10.8
Ontario	33.9	103 of 103	33.5	103 of 103	30.9	98 of 103	32.3	90 of 103	31.5	86 of 103	-1.7

Data source Definition of indicator BORN Ontario, 2012-2014

The number of term infants receiving formula supplementation at discharge, expressed as a percentage of the total number of term

infants whose mothers intended to breastfeed (in a given place and time).

The BORN Maternal Newborn Dashboard became available November 19, 2012



Notes



KPI 3. Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed LOCs, 01-Oct-2012 and 31-Dec-2013

	E	Benchmark rates (%	<u>)</u>								
	Target	Warning	Alert								
	<20.0	20.0-25.0	>25.0								
	Oct 2012 - Dec 2012	Hospitals with data acknowledged	Jan 2013 - Mar 2013	Hospitals with data acknowledged	Apr 2013 - Jun 2013	Hospitals with data acknowledged	Jul 2013 - Sep 2013	Hospitals with data acknowledged	Oct 2013 - Dec 2013	Hospitals with data acknowledged	Absolute improvement
	%	n	%	n	%	n	%	n	%	n	%
Neonatal Level IIa	31.8	14 of 14	30.2	14 of 14	23.4	10 of 13	25.0	7 of 13	25.9	8 of 13	1.7
Neonatal Level IIc	35.6	17 of 17	35.6	17 of 17	32.9	17 of 17	33.2	15 of 17	30.3	12 of 17	0.5
Neonatal Level I	30.0	53 of 53	27.3	53 of 53	25.8	52 of 53	25.4	50 of 53	28.2	50 of 53	-0.2
Neonatal Level IIb	36.3	13 of 13	37.0	13 of 13	33.9	14 of 14	36.1	14 of 14	35.0	12 of 14	-3.9
Neonatal Level IIIa/IIIb	31.3	6 of 6	32.3	6 of 6	31.5	5 of 6	34.3	4 of 6	34.9	4 of 6	-5.4
Ontario	33.9	103 of 103	33.5	103 of 103	30.9	98 of 103	32.3	90 of 103	31.5	86 of 103	-1.7

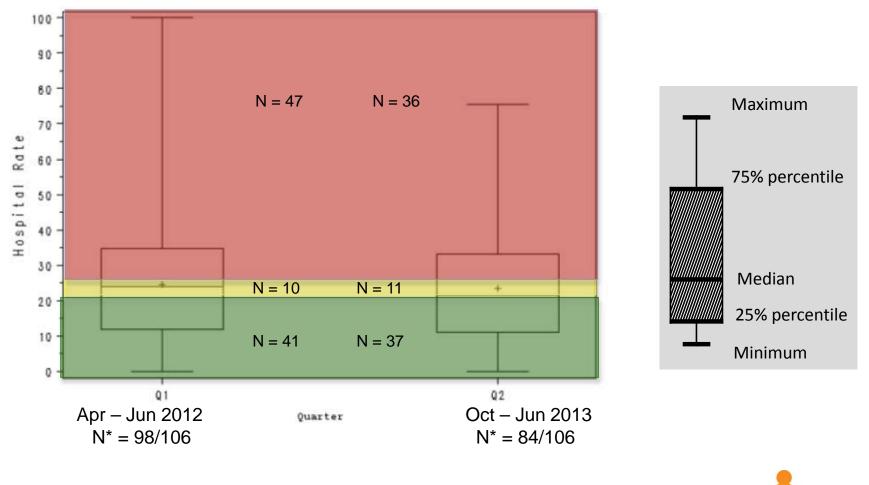
Data source Definition of indicator BORN Ontario, 2012-2014

Notes

The number of term infants receiving formula supplementation at discharge, expressed as a percentage of the total number of term infants whose mothers intended to breastfeed (in a given place and time). The BORN Maternal Newborn Dashboard became available November 19, 2012



KPI 3. Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed



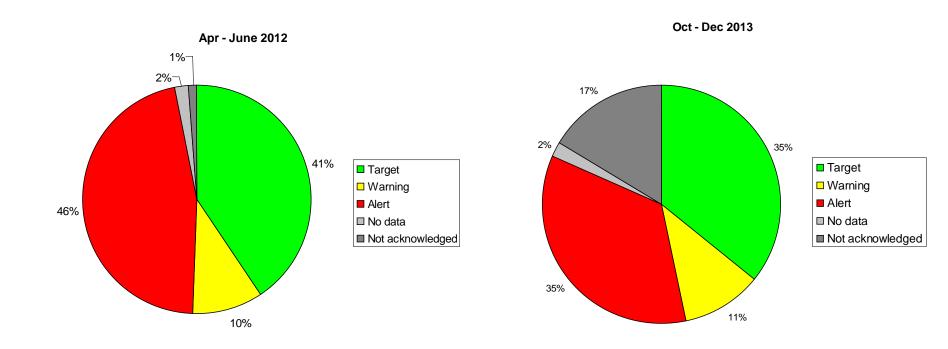


20

*Only hospitals with acknowledged data are included in the figure

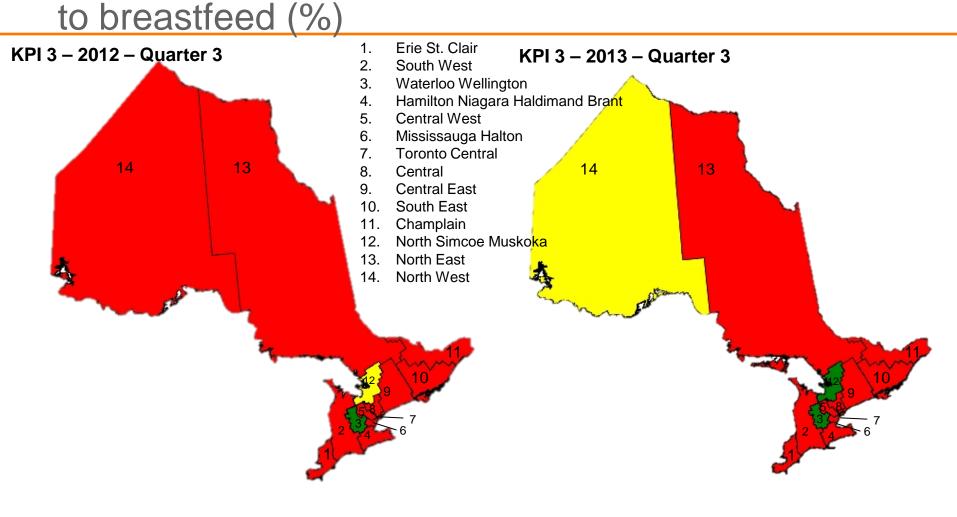


KPI 3. Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed





KPI 3. Rate of formula supplementation at discharge in term infants whose mothers intended



Benchmark target Target <20%

Warning 20-25% Alert >25%



KPI 4: Proportion of women with a cesarean section performed prior to 39 weeks' gestation among lowrisk women having a repeat cesarean section at term





KPI 4. Proportion of women with a cesarean section performed prior to 39 weeks' gestation among low-risk women having a repeat cesarean section at term

LHINs, 01-Oct-2012 and 31-Dec-2013

	Ben	chmark rate:	s <u>(%)</u>	_							
	Target	Warning	Alert		Highes	t profile	e KPI. n	iost ale	rts. mai	rked im	provem
	<11.0	11.0-15.0	>15.0			-	· · · · , · ·		,		
	Oct 2012 - Dec 2012	Hospitals with data acknowled ged	Jan 2013 - Mar 2013	Hospitals with data acknowled ged	Jun 2013	Hospitals with data acknowled ged	Jul 2013 - Sep 2013	Hospitals with data acknowled ged	Oct 2013 - Dec 2013	Hospitals with data acknowled ged	Absolute improvem ent
	%	n	%	n	%	n	%	n	%	n	%
LHIN 6 - Mississauga/Halton	63.6	5 of 5	49.2	5 of 5	41.1	5 of 5	34.6	5 of 5	46.5	5 of 5	27.6
LHIN 9 - Central East	50.3	9 of 9	53.4	9 of 9	37.8	9 of 9	29.6	9 of 9	34.2	9 of 9	27.3
LHIN 7 - Toronto Central	70.0	5 of 5	56.3	5 of 5	59.5	4 of 5	46.8	3 of 5	48.9	2 of 5	20.8
LHIN 2 - South West	64.0	12 of 12	47.7	12 of 12	53.7	12 of 12	30.7	11 of 12	37.2	11 of 12	20.3
LHIN 11 - Champlain	31.5	10 of 10	33.7	10 of 10	19.2	10 of 10	18.3	9 of 10	9.7	9 of 10	19.0
LHIN 10 - South East	30.0	5 of 5	29.4	5 of 5	27.4	5 of 5	33.8	4 of 5	17.0	4 of 5	18.9
LHIN 14 - North West	56.5	9 of 9	66.7	9 of 9	52.8	9 of 9	61.9	8 of 9	47.8	8 of 9	15.1
LHIN 12 - North Simcoe	48.2	6 of 6	48.1	6 of 6	56.9	6 of 6	43.1	6 of 6	44.7	6 of 6	11.8
LHIN 1 - Erie St. Clair	38.2	4 of 4	27.2	4 of 4	32.1	4 of 4	22.2	4 of 4	28.4	3 of 4	10.9
LHIN 4 - Hamilton Niagara	54.1	9 of 9	53.6	9 of 9	41.4	6 of 9	42.4	6 of 9	44.7	6 of 9	10.5
LHIN 3 - Waterloo Wellington	45.7	6 of 6	35.4	6 of 6	41.7	6 of 6	44.4	5 of 6	39.3	6 of 6	5.0
LHIN 13 - North East	67.4	13 of 13	61.3	13 of 13	58.3	12 of 13	62.9	12 of 13	62.7	11 of 13	0.4
LHIN 8 - Central	63.0	7 of 7	55.7	7 of 7	55.6	7 of 7	49.5	5 of 7	58.3	5 of 7	-0.6
LHIN 5 - Central West	52.1	3 of 3	40.9	3 of 3	50.7	3 of 3	42.2	3 of 3	55.6	1 of 3	-5.6
Ontario	53.6	103 of 103	47.9	103 of 103	45.0	98 of 103	38.8	90 of 103	39.3	86 of 103	14.5

Data source Definition of indicator

Notes 24

BORN Ontario, 2012-2014

The number of low-risk women with a cesarean section performed from 37 to <39 weeks' gestation (37 weeks + 0 days to 38 weeks + 6 days gestation), expressed as a percentage of the total number of low-risk women who had a repeat cesarean section at term (\ge 37 weeks) (in a given place and time).

The BORN Maternal Newborn Dashboard became available November 19, 2012 Better Outcomes Registry & Network



KPI 4. Proportion of women with a cesarean section performed prior to 39 weeks' gestation among low-risk women having a repeat cesarean section at term

LOCs, 01-Oct-2012 and 31-Dec-2013

Highest profile KPI, most alerts, marked improvement

	Ben	chmark rates	<u>s (%)</u>	_							
	Target	Warning	Alert								
	<11.0	11.0-15.0	>15.0								
		Hospitals		Hospitals		Hospitals		Hospitals		Hospitals	Absolute
	Oct 2012 -	with data	Jan 2013 -	with data	Apr 2013 -	with data	Jul 2013 -	with data	Oct 2013 -	with data	improvem
	Dec 2012	acknowled	Mar 2013	acknowled	Jun 2013	acknowled	Sep 2013	acknowled	Dec 2013	acknowled	ent
		ged		ged		ged		ged		ged	ent
	%	n	%	n	%	n	%	n	%	n	%
Neonatal Level IIa	43.9	14 of 14	48.9	14 of 14	31.3	10 of 13	26.5	7 of 13	29.2	8 of 13	21.0
Neonatal Level IIc	56.3	17 of 17	49.6	17 of 17	48.1	17 of 17	43.1	15 of 17	39.1	12 of 17	18.4
Neonatal Level IIIa/IIIb	54.1	6 of 6	38.3	6 of 6	42.5	5 of 6	28.7	4 of 6	24.8	4 of 6	15.3
Neonatal Level IIb	59.2	13 of 13	51.7	13 of 13	48.8	14 of 14	39.3	14 of 14	45.0	12 of 14	10.0
Neonatal Level I	46.7	53 of 53	43.8	53 of 53	44.2	52 of 53	41.2	50 of 53	44.9	50 of 53	8.5
Ontario	53.6	103 of 103	47.9	103 of 103	45.0	98 of 103	38.8	90 of 103	39.3	86 of 103	14.5

Data source Definition of indicator

Notes

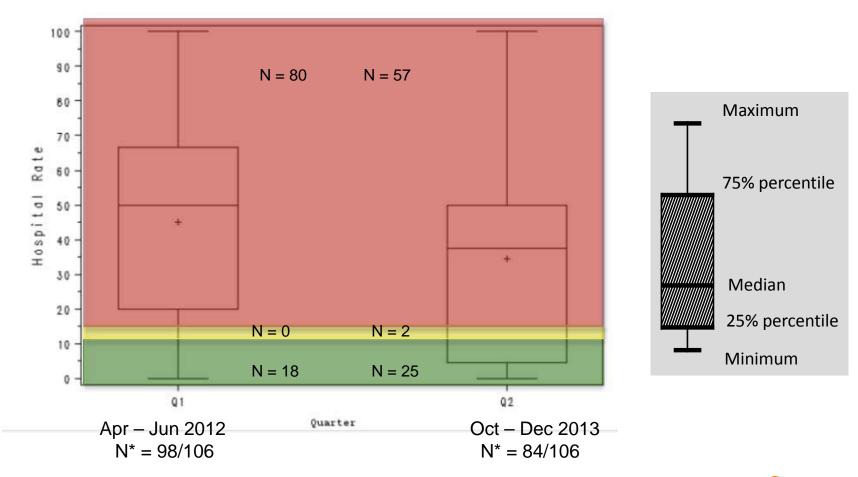
BORN Ontario, 2012-2014

The number of low-risk women with a cesarean section performed from 37 to <39 weeks' gestation (37 weeks + 0 days to 38 weeks + 6 days gestation), expressed as a percentage of the total number of low-risk women who had a repeat cesarean section at term (\geq 37 weeks) (in a given place and time).

The BORN Maternal Newborn Dashboard became available November 19, 2012



KPI 4. Proportion of women with a cesarean section performed prior to 39 weeks' gestation among low-risk women having a repeat cesarean section at term

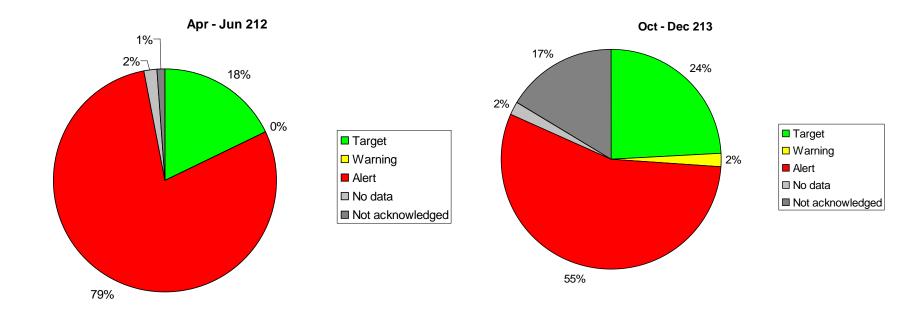




26 **born:** Better Outcomes Registry & Network

*Only hospitals with acknowledged data are included in the figure

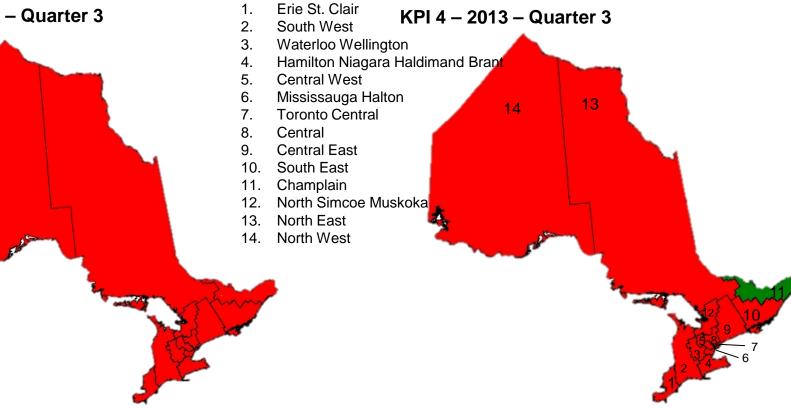
KPI 4. Proportion of women with a cesarean section performed prior to 39 weeks' gestation among low-risk women having a repeat cesarean section at term





KPI 4. Proportion of women with a cesarean section performed prior to 39 weeks gestation among low-risk women having a repeat cesarean section at term

KPI 4 – 2012 – Quarter 3



Benchmark target Target <11% Alert >15%



KPI 5: Proportion of women delivering at term who had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation





KPI 5. Proportion of women delivering at term who had Group B Streptococcus (GBS) screening at 35-37 weeks'

Gestation

LHIN, 01-Oct-2012 and 31-Dec-2013

	Ben	chmark rates	<u>s (%)</u>					.			•
	Target	Warning	Alert								
	>94.0	90.0-94.0	<90.0								
		Hospitals		Hospitals		Hospitals		Hospitals		Hospitals	Abcoluto
	Oct 2012 -	with data	Jan 2013 -	with data	Apr 2013 -	with data	Jul 2013 -	with data	Oct 2013 -	with data	Absolute improvem
	Dec 2012	acknowled	Mar 2013	acknowled	Jun 2013	acknowled	Sep 2013	acknowled	Dec 2013	acknowled	ent
		ged		ged		ged		ged		ged	ent
	%	n	%	n	%	n	%	n	%	n	%
LHIN 4 - Hamilton Niagara	85.7	9 of 9	88.7	9 of 9	93.6	6 of 9	93.0	6 of 9	94.7	6 of 9	9.9
LHIN 5 - Central West	86.9	3 of 3	86.2	3 of 3	87.4	3 of 3	89.0	3 of 3	96.1	1 of 3	9.2
LHIN 10 - South East	84.4	5 of 5	83.7	5 of 5	86.4	5 of 5	86.6	4 of 5	94.2	4 of 5	8.9
LHIN 9 - Central East	92.6	9 of 9	92.4	9 of 9	93.1	9 of 9	94.2	9 of 9	94.7	9 of 9	5.1
LHIN 8 - Central	87.1	7 of 7	91.2	7 of 7	92.2	7 of 7	89.9	5 of 7	90.7	5 of 7	4.9
LHIN 11 - Champlain	94.0	10 of 10	93.6	10 of 10	94.1	10 of 10	92.3	9 of 10	94.8	9 of 10	4.6
LHIN 1 - Erie St. Clair	93.0	4 of 4	91.4	4 of 4	92.5	4 of 4	92.4	4 of 4	97.8	3 of 4	4.4
LHIN 12 - North Simcoe	87.2	6 of 6	85.8	6 of 6	88.0	6 of 6	85.6	6 of 6	86.0	6 of 6	2.3
LHIN 13 - North East	81.4	13 of 13	81.8	13 of 13	84.2	12 of 13	84.3	12 of 13	85.6	11 of 13	2.3
LHIN 7 - Toronto Central	92.6	5 of 5	92.8	5 of 5	93.6	4 of 5	94.5	3 of 5	93.6	2 of 5	2.3
LHIN 3 - Waterloo Wellington	87.0	6 of 6	88.3	6 of 6	85.7	6 of 6	88.2	5 of 6	88.7	6 of 6	1.5
LHIN 14 - North West	86.6	9 of 9	85.6	9 of 9	86.1	9 of 9	86.0	8 of 9	83.6	8 of 9	0.7
LHIN 2 - South West	89.7	12 of 12	89.2	12 of 12	90.9	12 of 12	92.0	11 of 12	88.7	11 of 12	-0.4
LHIN 6 - Mississauga/Halton	71.9	5 of 5	56.8	5 of 5	56.7	5 of 5	56.7	5 of 5	53.9	5 of 5	-37.8
Ontario	87.8	103 of 103	87.1	103 of 103	87.9	98 of 103	87.2	90 of 103	87.6	86 of 103	-0.8

Most changes from red or yellow to green

Data source

Notes

BORN Ontario, 2012-2014

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Definition of indicator

The number of women who delivered at term and had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation (35 weeks + 0 days to 36 weeks + 6 days gestation), expressed as a percentage of the total number of women who delivered at term (in a given place and time). GBS screening protocol based on the Society of Obstetricians and Gynaecologists of Canada (SOGC) Guidelines No. 298, October 2013.

The BORN Maternal Newborn Dashboard became available November 19, 2012





KPI 5. Proportion of women delivering at term who had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation LOCs, 01-Oct-2012 and 31-Dec-2013

Most changes from red or yellow to green

	Benchmark rates (%)										
	Target	Warning	Alert								
	>94.0	90.0-94.0	<90.0								
		Hospitals		Hospitals		Hospitals		Hospitals		Hospitals	Alexalista
	Oct 2012 -	with data	Jan 2013 -	with data	Apr 2013 -	with data	Jul 2013 -	with data	Oct 2013 -	with data	Absolute
	Dec 2012	acknowled	Mar 2013	acknowled	Jun 2013	acknowled	Sep 2013	acknowled	Dec 2013	acknowled	improvem
		ged		ged		ged		ged		ged	ent
	%	n	%	n	%	n	%	n	%	n	%
Neonatal Level IIa	90.2	14 of 14	91.0	14 of 14	92.2	10 of 13	91.8	7 of 13	92.4	8 of 13	5.1
Neonatal Level IIb	88.1	13 of 13	88.6	13 of 13	90.4	14 of 14	90.5	14 of 14	91.7	12 of 14	4.3
Neonatal Level IIIa/IIIb	90.3	6 of 6	90.0	6 of 6	91.2	5 of 6	89.7	4 of 6	92.7	4 of 6	2.9
Neonatal Level I	89.1	53 of 53	89.6	53 of 53	89.2	52 of 53	91.5	50 of 53	90.8	50 of 53	2.8
Neonatal Level IIc	84.9	17 of 17	82.0	17 of 17	83.0	17 of 17	80.6	15 of 17	77.8	12 of 17	-11.2
Ontario	87.8	103 of 103	87.1	103 of 103	87.9	98 of 103	87.2	90 of 103	87.6	86 of 103	-0.8

Data source Definition of indicator

Notes

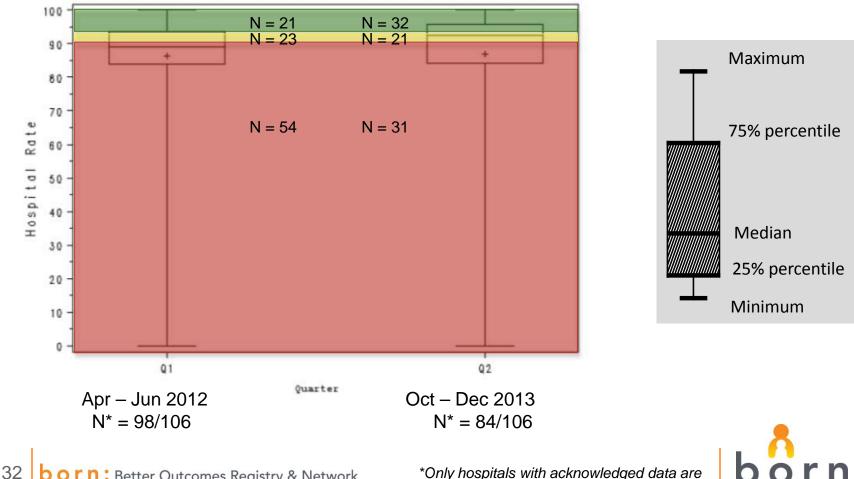
BORN Ontario, 2012-2014

The number of women who delivered at term and had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation (35 weeks + 0 days to 36 weeks + 6 days gestation), expressed as a percentage of the total number of women who delivered at term (in a given place and time). GBS screening protocol based on the Society of Obstetricians and Gynaecologists of Canada (SOGC) Guidelines No. 298, October 2013.

The BORN Maternal Newborn Dashboard became available November 19, 2012



KPI 5. Proportion of women delivering at term who had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation

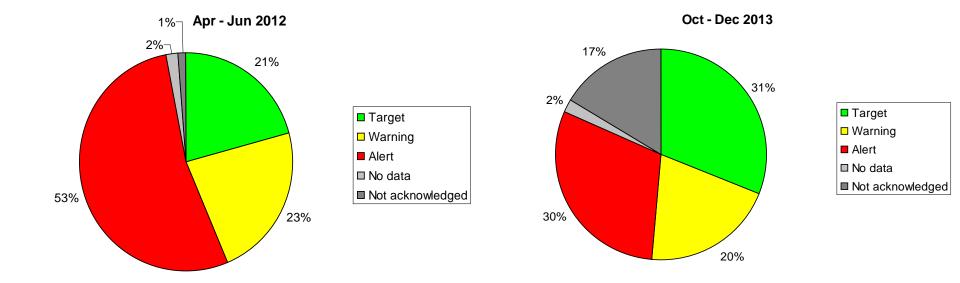


Orn: Better Outcomes Registry & Network

*Only hospitals with acknowledged data are included in the figure

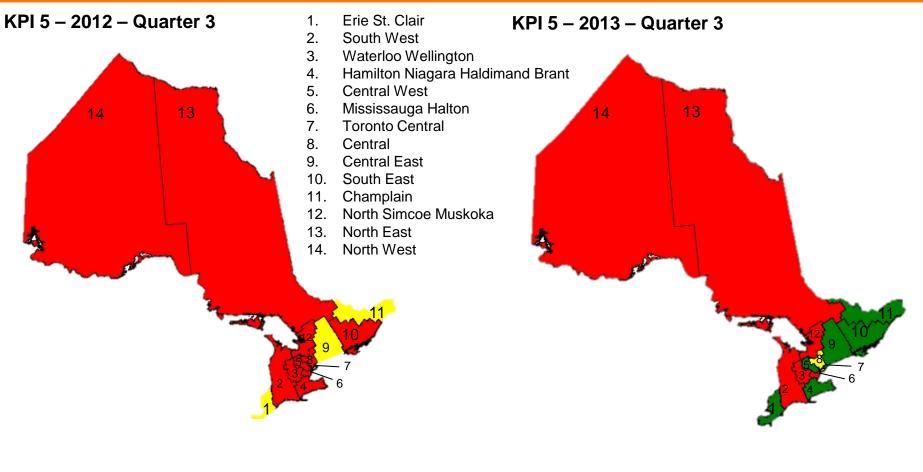
Ontario

KPI 5. Proportion of women delivering at term who had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation





KPI 5. Proportion of women delivering at term who had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation



Warning 90-94% Target >94%



KPI 6: Proportion of women induced with an indication of post-dates who are less than 41 weeks' gestation at delivery





KPI 6. Proportion of women induced with an indication of post-dates who are less than 41 weeks' gestation at delivery LHINs, 01-Oct-2012 and 31-Dec-2013

	Ben	chmark rates	<u>s (%)</u>								
	Target	Warning	Alert								
	<5.0	5.0-10.0	>10.0								
	Oct 2012 - Dec 2012	Hospitals with data acknowled ged	Jan 2013 - Mar 2013	Hospitals with data acknowled ged	Jun 2013	Hospitals with data acknowled ged	Jul 2013 - Sep 2013	Hospitals with data acknowled ged	Oct 2013 - Dec 2013	Hospitals with data acknowled ged	Absolute improvem ent
	%	n	%	n	%	n	%	n	%	n	%
LHIN 9 - Central East	32.6	9 of 9	27.5	9 of 9	17.5	9 of 9	20.4	9 of 9	14.8	9 of 9	21.2
LHIN 1 - Erie St. Clair	46.8	4 of 4	30.2	4 of 4	37.9	4 of 4	23.4	4 of 4	13.9	3 of 4	21.1
LHIN 11 - Champlain	15.8	10 of 10	14.7	10 of 10	9.1	10 of 10	8.2	9 of 10	4.2	9 of 10	16.0
LHIN 12 - North Simcoe	25.5	6 of 6	34.0	6 of 6	36.0	6 of 6	26.2	6 of 6	18.3	6 of 6	15.7
LHIN 10 - South East	12.0	5 of 5	12.5	5 of 5	5.5	5 of 5	13.1	4 of 5	8.7	4 of 5	12.7
LHIN 2 - South West	21.8	12 of 12	26.6	12 of 12	21.9	12 of 12	20.7	11 of 12	13.5	11 of 12	12.2
LHIN 13 - North East	35.6	13 of 13	36.4	13 of 13	32.3	12 of 13	35.4	12 of 13	29.4	11 of 13	11.9
LHIN 4 - Hamilton Niagara	33.1	9 of 9	31.1	9 of 9	22.3	6 of 9	22.4	6 of 9	21.1	6 of 9	10.5
LHIN 6 - Mississauga/Halton	11.0	5 of 5	11.6	5 of 5	10.3	5 of 5	11.0	5 of 5	5.5	5 of 5	4.1
LHIN 5 - Central West	24.4	3 of 3	25.1	3 of 3	22.4	3 of 3	20.7	3 of 3	32.1	1 of 3	-1.0
LHIN 3 - Waterloo Wellington	25.3	6 of 6	24.5	6 of 6	23.3	6 of 6	24.0	5 of 6	26.6	6 of 6	-3.1
LHIN 14 - North West	27.3	9 of 9	30.2	9 of 9	37.5	9 of 9	44.1	8 of 9	25.7	8 of 9	-8.2
LHIN 8 - Central	29.6	7 of 7	37.3	7 of 7	29.2	7 of 7	36.8	5 of 7	46.2	5 of 7	-8.3
LHIN 7 - Toronto Central	22.6	5 of 5	17.4	5 of 5	23.7	4 of 5	22.6	3 of 5	31.1	2 of 5	-17.8
Ontario	26.1	103 of 103	25.6	103 of 103	22.5	98 of 103	22.0	90 of 103	19.5	86 of 103	6.9

Data source Definition of indicator

Notes 36

BORN Ontario, 2012-2014

The number of women who were induced with an indication for induction of labour of post-dates (>41 weeks gestation) and were actually less than 41 weeks' gestation (less than or equal to 40 weeks + 6 days gestation), expressed as a percentage of the total number of women who were induced with an indication for induction of labour of post-dates (in a given time and place). Indication for induction of labour of post-dates (in a given time and place). Indication for induction of labour of post-dates need not be the primary indication for induction of labour, it can be any indication for induction. RRecords will be included for this indicator if 'Fetal | Post dates' is selected for 'AII indications for induction of labour', regardless if any additional indications are selected for this multi-select data element.

Intario

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KPI 6. Proportion of women induced with an indication of post-dates who are less than 41 weeks' gestation at delivery LOCs, 01-Oct-2012 and 31-Dec-2013

	Benchmark rates (%)			_							
	Target	Warning	Alert								
	<5.0	5.0-10.0	>10.0								
		Hospitals		Hospitals		Hospitals		Hospitals		Hospitals	Absoluto
	Oct 2012 -	with data	Jan 2013 -	with data	Apr 2013 -	with data	Jul 2013 -	with data	Oct 2013 -	with data	Absolute improvem
	Dec 2012	acknowled	Mar 2013	acknowled	Jun 2013	acknowled	Sep 2013	acknowled	Dec 2013	acknowled	-
		ged		ged		ged		ged		ged	ent
	%	n	%	n	%	n	%	n	%	n	%
Neonatal Level I	27.6	53 of 53	31.8	53 of 53	28.7	52 of 53	30.1	50 of 53	19.9	50 of 53	12.5
Neonatal Level IIb	32.8	13 of 13	31.4	13 of 13	22.2	14 of 14	19.5	14 of 14	21.8	12 of 14	9.3
Neonatal Level IIa	27.5	14 of 14	23.5	14 of 14	24.9	10 of 13	27.4	7 of 13	22.3	8 of 13	5.8
Neonatal Level IIc	25.7	17 of 17	24.5	17 of 17	22.1	17 of 17	21.8	15 of 17	19.8	12 of 17	4.6
Neonatal Level IIIa/IIIb	12.3	6 of 6	14.9	6 of 6	14.0	5 of 6	13.0	4 of 6	8.9	4 of 6	4.0
Ontario	26.1	103 of 103	25.6	103 of 103	22.5	98 of 103	22.0	90 of 103	19.5	86 of 103	6.9

Data source Definition of indicator

Notes

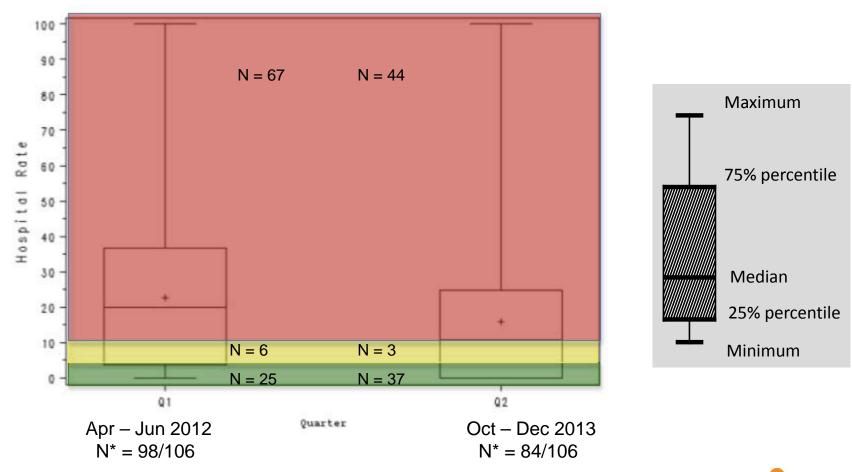
BORN Ontario, 2012-2014

The number of women who were induced with an indication for induction of labour of post-dates (>41 weeks gestation) and were actually less than 41 weeks' gestation (less than or equal to 40 weeks + 6 days gestation), expressed as a percentage of the total number of women who were induced with an indication for induction of labour of post-dates (in a given time and place). Indication for induction of labour of post-dates (in a given time and place). Indication for induction of labour of post-dates (in a given time and place). Indication for induction of labour of post-dates need not be the primary indication for induction of labour, it can be any indication for induction. RRecords will be included for this indicator if 'Fetal | Post dates' is selected for 'All indications for induction of labour', regardless if any additional indications are selected for this multi-select data element.

The BORN Maternal Newborn Dashboard became available November 19, 2012



KPI 6. Proportion of women induced with an indication of post-dates who are less than 41 weeks' gestation at delivery

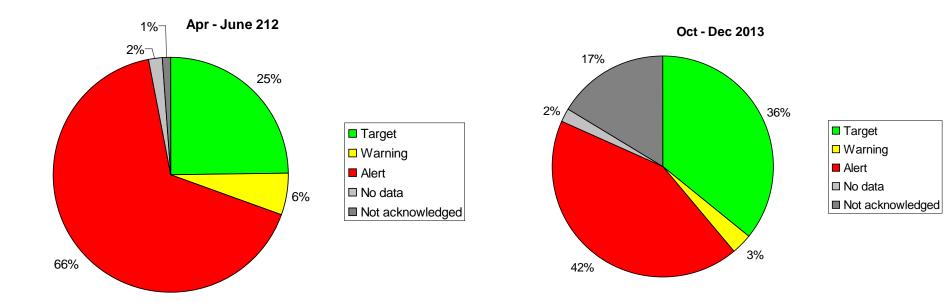




38 **born:** Better Outcomes Registry & Network

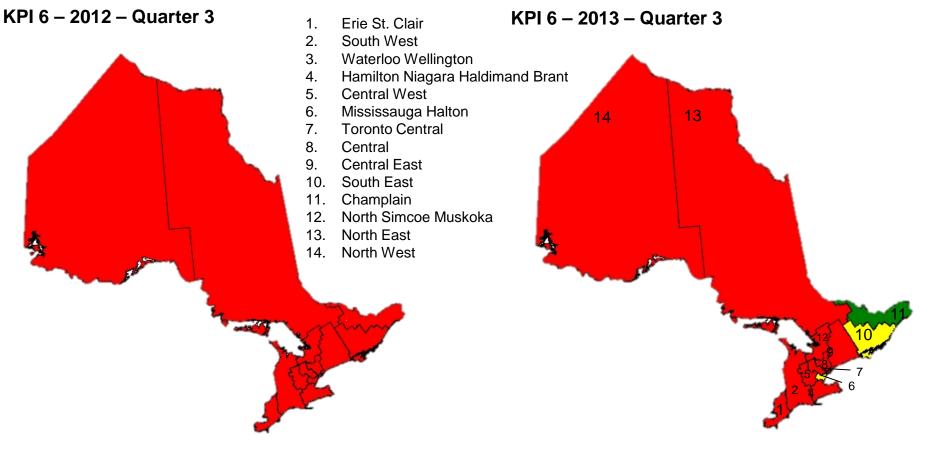
*Only hospitals with acknowledged data are included in the figure

KPI 6. Proportion of women induced with an indication of post-dates who are less than 41 weeks' gestation at delivery





KPI 6. Proportion of women induced with an indication of post-dates who are less than 41 weeks' gestation at delivery



Warning 5-10% Alert >10%

KPI 6 Summary

- Much work to do at LHIN level
- Some improvement at hospital level, but still 'red'
- Re-education needed about entry of reason for induction





25

hospitals that have moved from red to green on KPI 1 since the dashboard launched (April 2012 to December 2013)

Key	Performance Indicators	Rate (%)	Status
1	Proportion of newborn screening samples that were unsatisfactory for testing	1.7	•
2	Rate of episiotomy in women who had a spontaneous vaginal birth	16.8	0
3	Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed	40.1	•
4	Proportion of women with a cesarean section performed from ≥37 to <39 weeks' gestation among low-risk women having a repeat cesarean section at term	52.8	•
5	Proportion of women who delivered at term and had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation	97.0	•
6	Proportion of women who were induced with an indication of post-dates and were less than 41 weeks' gestation at delivery	9.5	•



hospitals that have moved from red to green on KPI 2 since the dashboard launched (April 2012 to December 2013)

Key	Performance Indicators	Rate (%)	Status
1	Proportion of newborn screening samples that were unsatisfactory for testing	1.7	•
2	Rate of episiotomy in women who had a spontaneous vaginal birth	16.8	0
3	Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed	40.1	•
4	Proportion of women with a cesarean section performed from ≥37 to <39 weeks' gestation among low-risk women having a repeat cesarean section at term	52.8	•
5	Proportion of women who delivered at term and had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation	97.0	•
6	Proportion of women who were induced with an indication of post-dates and were less than 41 weeks' gestation at delivery	9.5	•



hospitals that have moved from red to green on KPI 3 since the dashboard launched (April 2012 to December 2013)

Key	Performance Indicators	Rate (%)	Status
1	Proportion of newborn screening samples that were unsatisfactory for testing	1.7	•
2	Rate of episiotomy in women who had a spontaneous vaginal birth	16.8	0
3	Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed	40.1	•
4	Proportion of women with a cesarean section performed from ≥37 to <39 weeks' gestation among low-risk women having a repeat cesarean section at term	52.8	•
5	Proportion of women who delivered at term and had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation	97.0	•
6	Proportion of women who were induced with an indication of post-dates and were less than 41 weeks' gestation at delivery	9.5	•



14

hospitals that have moved from red to green on KPI 4 since the dashboard launched (April 2012 to December 2013)

Key	Performance Indicators	Rate (%)	Status
1	Proportion of newborn screening samples that were unsatisfactory for testing	1.7	•
2	Rate of episiotomy in women who had a spontaneous vaginal birth	16.8	0
3	Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed	40.1	•
4	Proportion of women with a cesarean section performed from ≥37 to <39 weeks' gestation among low-risk women having a repeat cesarean section at term	52.8	•
5	Proportion of women who delivered at term and had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation	97.0	•
6	Proportion of women who were induced with an indication of post-dates and were less than 41 weeks' gestation at delivery	9.5	•



hospitals that have moved from red to green on KPI 5 since the dashboard launched (April 2012 to December 2013)

Key	Performance Indicators	Rate (%)	Status
1	Proportion of newborn screening samples that were unsatisfactory for testing	1.7	•
2	Rate of episiotomy in women who had a spontaneous vaginal birth	16.8	0
3	Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed	40.1	•
4	Proportion of women with a cesarean section performed from ≥37 to <39 weeks' gestation among low-risk women having a repeat cesarean section at term	52.8	•
5	Proportion of women who delivered at term and had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation	97.0	•
6	Proportion of women who were induced with an indication of post-dates and were less than 41 weeks' gestation at delivery	9.5	•



16

hospitals that have moved from red to green on KPI 6 since the dashboard launched (April 2012 to December 2013)

Key	Performance Indicators	Rate (%)	Status
1	Proportion of newborn screening samples that were unsatisfactory for testing	1.7	•
2	Rate of episiotomy in women who had a spontaneous vaginal birth	16.8	0
3	Rate of formula supplementation at discharge in term infants whose mothers intended to breastfeed	40.1	•
4	Proportion of women with a cesarean section performed from ≥37 to <39 weeks' gestation among low-risk women having a repeat cesarean section at term	52.8	•
5	Proportion of women who delivered at term and had Group B Streptococcus (GBS) screening at 35-37 weeks' gestation	97.0	•
6	Proportion of women who were induced with an indication of post-dates and were less than 41 weeks' gestation at delivery	9.5	•