

## Report Framework

### Data Sources

The hospital descriptors, clinical efficiencies, quality and utilization management analyses and Emergency Department indicators are based on acute inpatient, same day procedure and emergency data for patients who were discharged, died or signed out during the 2014-2015 fiscal year.

All of the participating hospitals submitted data to the Canadian Institute of Health Information (CIHI) Discharge Abstract Database (DAD) and the National Ambulatory Care Reporting System (NACRS) directly.

- The inpatient data is generated from the DAD database and were retrieved from the CIHI Portal.
- The day surgery and emergency visits data is generated from the NACRS database and were retrieved from the CIHI Portal.

### Operational Efficiency Indicators

The Operational Efficiency analysis is based on financial and statistical data provided by hospitals to the project in a trial balance format. Hospitals were requested to organize all operational data provided for the benchmarking database according to the Management Information Systems (MIS) in Canadian Health Service Organizations Guidelines, referred to as MIS Guidelines. The participating members that are “children’s hospitals-within-hospitals” created a paediatric trial balance utilizing a common allocation methodology for direct, indirect and overhead expenses. Other hospitals with a stand-alone NICU and/or paediatric unit were also invited to participate in the Operational Efficiency analysis. MIS data were submitted to the Decision Support Department at Hamilton Health Sciences for analysis.

### Holland Bloorview Kids Rehab Hospital

Holland Bloorview Kids Rehab Hospital provided all information detailed in the Holland Bloorview section.

### OMHRS

Ontario Mental Health Reporting System (OMHRS) data were manually submitted to PCMCH.

### Hospital Profile

The participating organizations have provided a profile, a history and overview of their organization in order to provide context for the clinical and operational efficiency indicators. These profiles include scope of care, academic affiliations as well as other relevant information. Hospital Profile data were manually submitted to PCMCH, including the following:

- Services Offered
- Bed Profile
- Emergency Department Profile
- Mental Health Profile

## Data Limitations

The 2015 Benchmarking Report includes data from the CIHI Portal for 2010/10, 2011/12, 2012/13, 2013/14 and 2014/15 with FY14/15 CMG methodology. As such, slight discrepancies between data years may be expected.

## Inclusion and Exclusion Criteria

- For the purposes of this report, “*paediatrics*” was defined within the DAD as “*encounters for individuals less than 18 years of age*”, excluding obstetrics which was defined as “*Major Clinical Category (MCC) 13 (CMG+)*” and normal newborns defined as “*ICD10-CA codes MRDx (Most Responsible Diagnosis) Z38.0 – Z38.8*”.
- All same day surgery procedures and Emergency Department visits for individuals less than 18 years of age were included.
- Additional analysis was performed on the paediatric and neonatal populations. These populations were defined as:
  - Neonatal for patients that are 0 to 28 days of age on admission.
  - Paediatric for patients that are 29 days to 17 years of age on admission.
- Obstetrical data was not limited by age and was defined as “*CMGs within MCC 13 - Pregnancy and Childbirth*”.

## Comparator Data

As per recommendations made by our stakeholders, length of stay indicators in the Academic and Community sections continue to include national/provincial comparators. The academic hospital comparators are national Academic Health Sciences Centres participating in the Canadian Association of Paediatric Health Centres’ Decision Support Network (CAPHC CPDSN). The community hospital comparator is all non-academic hospitals in the province of Ontario. In future, we will look to add comparators to other data points.

National comparator data within the Academic section of the Benchmarking Report is that of the Canadian Association of Paediatric Health Centres (CAPHC). CAPHC member facilities included in the comparator are:

- Children’s Hospital of Eastern Ontario (CHEO)
- Children’s Women’s Health Centre of BC—BC Women’s Hospital + Health Centre (CWBC)
- Children’s Women’s Health Centre of BC—BC Children’s Hospital (CWBC)
- Health Sciences Centre-St. John’s (EH)

- IWK Health Centre (IWK)
- Hamilton Health Sciences—Hamilton General Hospital (MCM)
- Hamilton Health Sciences—Juravinski Hospital (MCM)
- Hamilton Health Sciences—McMaster University Medical Centre (MCM)
- Royal Alexandra Hospital (SCH)
- University of Alberta Hospital (SCH)
- Saskatoon City Hospital (SHR)
- St. Paul's Hospital [Saskatoon] (SHR)
- Royal University Hospital (SHR)
- Hospital for Sick Children (SickKids)

Provincial comparator data within the Community section of the Benchmarking Report is that of all hospitals within the province of Ontario, excluding the following Academic Health Sciences Centres:

- Children's Hospital, London Health Sciences Centre
- Children's Hospital of Eastern Ontario
- The Hospital for Sick Children
- Kingston General Hospital
- McMaster Children's Hospital, Hamilton Health Sciences
- Mount Sinai Hospital
- Sunnybrook Health Sciences Centre
- The Ottawa Hospital

### **Privacy Considerations**

To ensure privacy, indicators with a total count of less than six cases were not reported. Some of the hospitals participating in the report do not have all volumes displayed given this privacy constraint. In this case, the cell is displayed as "<6".

## List of Participating Hospitals and Acronyms

The following multisite organizations are grouped at their highest Level of Care (LOC) delivered:

### Neonatal

- Halton Healthcare Services Corporation
- Humber River Regional Hospital
- Lakeridge Health Corporation
- Rouge Valley Health System
- The Ottawa Hospital
- The Scarborough Hospital
- William Osler Health Centre

### Other considerations:

- The grouping of different levels may impact data that may be different based on level of care (e.g.: ALOS, ARIW).

### Academic Health Sciences Centres

Participating Hospital	Acronym	LHIN #	LHIN	LOC (Maternal)	LOC (Neonatal)
<b>Children's Hospital, London Health Sciences Centre</b>	CH LHSC	2	South West	III	IIIb
<b>Children's Hospital of Eastern Ontario</b>	CHEO	11	Champlain	Does not provide maternal care	IIIb
<b>Holland Bloorview Kids Rehabilitation Hospital</b>	HBKR	7	Toronto Central	Does not provide maternal care	Does not provide neonatal care
<b>Kingston General Hospital</b>	KGH	10	South East	III	IIIb
<b>McMaster Children's Hospital, Hamilton Health Sciences Centre</b>	MCH HHSC	4	Hamilton Niagara Haldimand Brant	III	IIIb
<b>Mount Sinai Hospital</b>	Mt Sinai	7	Toronto Central	III	IIIa
<b>The Hospital for Sick Children</b>	SickKids	7	Toronto Central	Does not provide maternal care	IIIb
<b>Sunnybrook Health Sciences Centre</b>	Sunnybrook	7	Toronto Central	III	IIIa
<b>The Ottawa Hospital</b>	TOH	11	Champlain	General: III Civic: III	General: IIIa Civic: IIc

## Community Hospitals

Participating Hospital	Acronym	LHIN #	LHIN	LOC (Maternal)	LOC (Neonatal)
Almonte General Hospital	AGH	11	Champlain	Ib	I
Alexandra Marine & General Hospital	AMGH	2	South West	Ia	I
Bluewater Health	BWH	1	Erie St. Clair	IIa	IIa
Brant Community Healthcare System	BCHS	4	Hamilton Niagara Haldimand Brant	IIb	IIb
Brockville General Hospital	BGH	10	South East	Ib	I
Cambridge Memorial Hospital	CMH	3	Waterloo Wellington	IIa	IIa
Chatham-Kent Health Alliance	CKHA	1	Erie St. Clair	IIb	IIb
Collingwood General & Marine Hospital	CGMH	12	North Simcoe Muskoka	Ib	I
Cornwall Community Hospital	CCH	11	Champlain	Ib	I
Dryden Regional Health Centre	DRHC	14	North West	Ia	I
Georgian Bay General Hospital	GBGH	12	North Simcoe Muskoka	Ib	I
Grand River Hospital	GRH	3	Waterloo Wellington	IIb	IIb
Grey Bruce Health Services	GBHS	2	South West	Owen Sound: IIb	Owen Sound: IIb
Groves Memorial Community Hospital	GMCH	3	Waterloo Wellington	Ib	I
Halton Healthcare Services	HHS	6	Mississauga Halton	Georgetown: Ib Milton: Ib Oakville: IIb	Georgetown: I Milton: I Oakville: IIb
Hawkesbury General Hospital	HGH	11	Champlain	Ib	I
Headwaters Health Care Centre	HHCC	5	Central West	Ib	I
Health Sciences North/Horizon Santé-Nord	HSN	13	North East	IIc	IIc
Hôpital Montfort	Montfort	11	Champlain	IIa	IIa
Hotel Dieu Hospital – The Religious Hospitallers of St. Joseph of the Hotel Dieu Hospital, Kingston	HDH	10	South East	Does not provide maternal care	Does not provide neonatal care
Humber River Hospital	HRH	8	Central	Finch: IIb Church: Ib	Finch: IIb Church: I
Joseph Brant Hospital	JBH	4	Hamilton Niagara Haldimand Brant	IIb	IIb
Kemptville District Hospital	KDH	11	Champlain	Does not provide maternal care	Does not provide neonatal care
Lakeridge Health	LH	9	Central East	Oshawa: IIc Port Perry: Ib	Oshawa: IIc Port Perry: I
Mackenzie Health	MH	8	Central	IIc	IIc
Markham Stouffville Hospital	MSH	8	Central	IIc	IIc
Middlesex Hospital Alliance – Strathroy Middlesex General Hospital	MHA-SMGH	2	South West	Ia	I
Muskoka Algonquin Healthcare	MAHC	12	North Simcoe Muskoka	Ib	I
Niagara Health System	NHS	4	Hamilton Niagara Haldimand Brant	St. Catharines: IIb	St. Catharines: IIb
Norfolk General Hospital	NGH	4	Hamilton Niagara	Ib	I

Participating Hospital	Acronym	LHIN #	LHIN	LOC (Maternal)	LOC (Neonatal)
			Haldimand Brant		
North Bay Regional Health Centre	NBRHC	13	North East	IIc	IIc
North York General Hospital	NYGH	8	Central	IIc	IIc
Northumberland Hills Hospital	NHH	9	Central East	Ib	I
Orillia Soldiers' Memorial Hospital	OSMH	12	North Simcoe Muskoka	IIc	IIc
Peterborough Regional Health Centre	PRHC	9	Central East	IIb	IIb
Quinte Health Care	QHC	10	South East	Ib	I
Ross Memorial Hospital	RMH	9	Central East	Ib	I
Rouge Valley Health System	RVHS	9	Central East	Ajax: IIb Centenary: IIc	Ajax: IIb Centenary: IIc
The Royal Victoria Regional Health Centre	RVH	12	North Simcoe Muskoka	IIc	IIc
Sault Area Hospital	SAH	13	North East	IIc	IIc
The Scarborough Hospital	TSH	9	Central East	IIb	IIb
Sioux Lookout Meno Ya Win Health Centre	SLMHC	14	North West	Ib	I
South Bruce Grey Health Centre	SBGHC	2	South West	Ib	I
Southlake Regional Health Centre	Southlake	8	Central	IIb	IIb
St. Joseph's Healthcare, Hamilton	SJHC Hamilton	4	Hamilton Niagara Haldimand Brant	IIb	IIb
St. Joseph's Health Centre, Toronto	SJHC Toronto	7	Toronto Central	IIb	IIb
St. Michael's Hospital	SMH	7	Toronto Central	III	IIc
St. Thomas Elgin General Hospital	STEGH	2	South West	IIa	IIa
Stevenson Memorial Hospital	Stevenson	8	Central	Ib	I
Thunder Bay Regional Health Sciences Centre	TBRHSC	14	North West	IIc	IIc
Toronto East General Hospital	TEGH	7	Toronto Central	IIc	IIc
Trillium Health Partners - Credit Valley Hospital	THP-CVH	6	Mississauga Halton	IIc	IIc
Trillium Health Partners - Mississauga Hospital	THP-MH	6	Mississauga Halton	IIb	IIb
Weeneebayko Area Health Authority – Weeneebayko General Hospital	WAHA	13	North East	Ia	I
West Lincoln Memorial Hospital	WLMH	4	Hamilton Niagara Haldimand Brant	Ib	I
West Parry Sound Health Centre	WPSHC	13	North East	Ib	I
William Osler Health System	WOHS	5	Central West	Brampton: IIb Etobicoke: IIb	Brampton: IIc Etobicoke: IIb
Winchester District Memorial Hospital	WDMH	11	Champlain	Ib	I
Windsor Regional Hospital	WRH	1	Erie St. Clair	IIc	IIc
Woodstock General Hospital	WGH	2	South West	Ib	I