



2016 Ontario Hospitals Maternal-Child Services Report LHIN-level Indicators

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Definitions and Acronyms

Local Health Integration Networks

LHIN 1	Erie St. Clair
LHIN 2	South West
LHIN 3	Waterloo Wellington
LHIN 4	Hamilton Niagara Haldimand Brant
LHIN 5	Central West
LHIN 6	Mississauga Halton
LHIN 7	Toronto Central
LHIN 8	Central
LHIN 9	Central East
LHIN 10	South East
LHIN 11	Champlain
LHIN 12	North Simcoe Muskoka
LHIN 13	North East
LHIN 14	North West



Acronyms

ALOS	Average Length of Stay
C	Calendar Year
CIHI	
DAD	Discharge Abstract Database
ED	Emergency Department
FY	Fiscal Year
IN	Inpatient
LHIN	Local Health Integration Networks
MH	Mental Health
NACRS	National Ambulatory Care Reporting System
OBS	Obstetrical
Paed	Paediatric

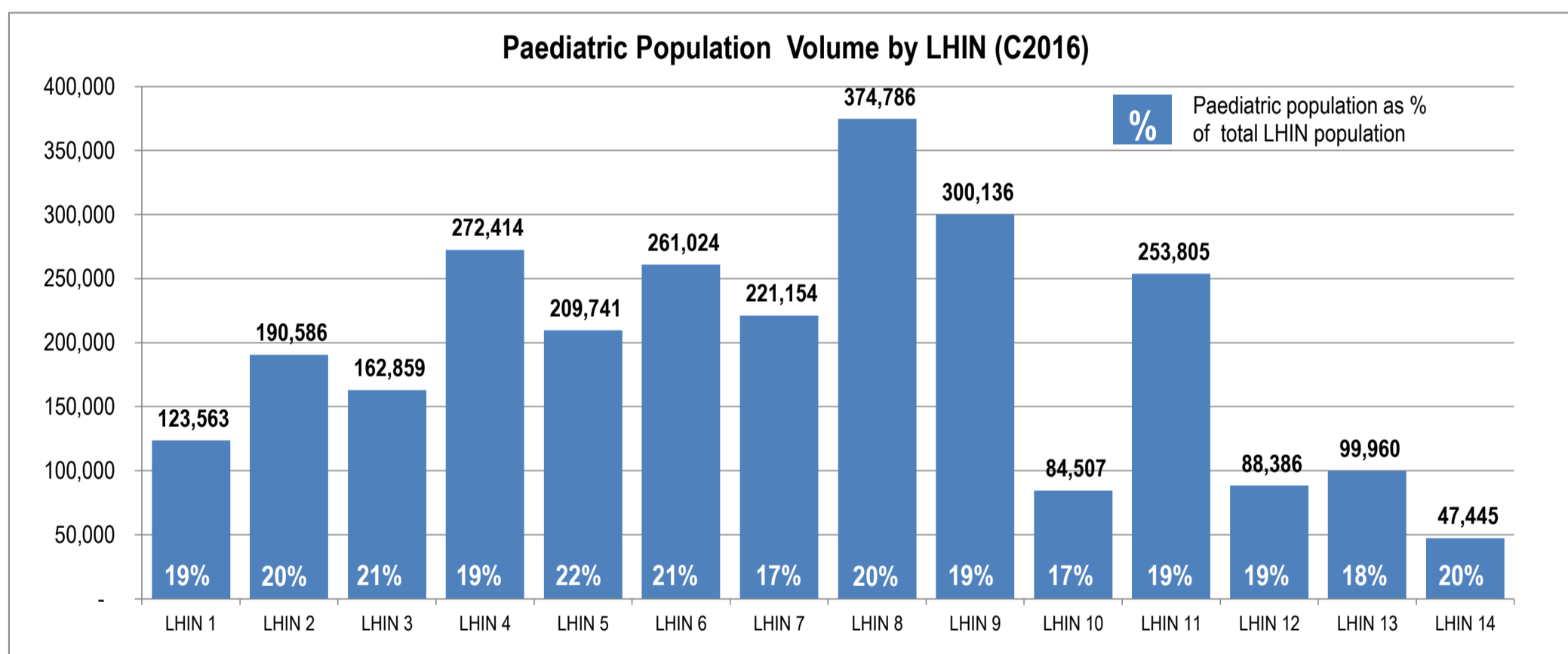
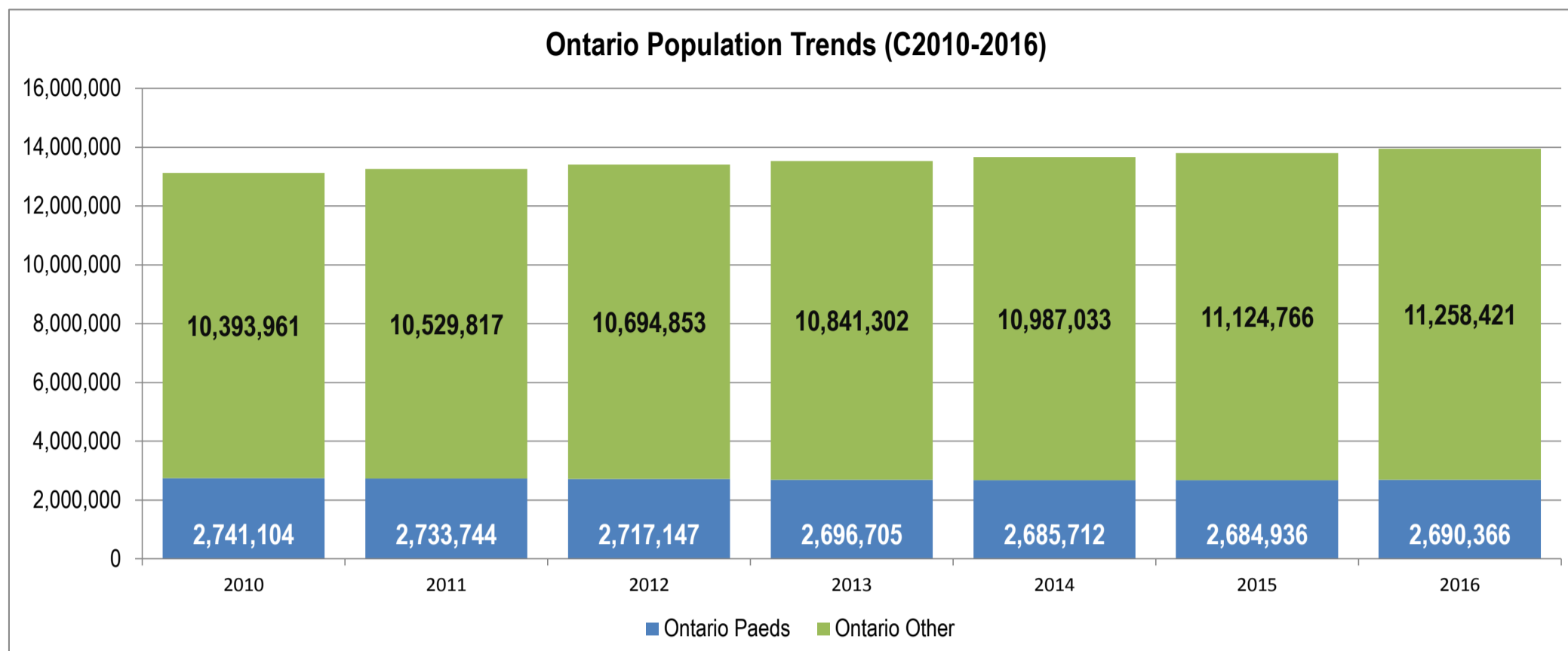
Definitions

Low Risk	Low risk women are those whose pregnancies fall into Robson criteria 1 to 4, and who do not have any of the health conditions specified below: Maternal - autoimmune, cancer, cardiovascular, diabetes, gastrointestinal, genitourinary, haematological, hypertensive disorders in pregnancy, musculoskeletal, neurological, placental, pulmonary; Fetal – anomalies or complications).
Paediatric	From birth up to 18 years of age.
1st trimester	Defined as <13 weeks gestation.

1.0 Paediatric Population Overview

Comments

The volume of paediatric population in Ontario - defined as 0 days to 18 years of age - has declined by 1.9% from 2010 (2,741,104) to 2016 (2,690,366). Relative to the overall provincial population, the proportion of paediatric population decreased from 20.9% in 2010 to 19.3% in 2016. Almost 35%, or 1 in 3, of Ontario's paediatric population are residing in LHIN 4 (272,414), LHIN 8 (374,786), and LHIN 9 (300,136). LHIN 5 has highest proportion of paediatric population relative to the overall population (209,741 or 23%).



LHIN	Paediatric Population Trends by LHIN (C2010-2016)						
	2010	2011	2012	2013	2014	2015	2016
LHIN 8	367,713	369,284	369,080	367,964	369,115	371,563	374,786
LHIN 9	311,104	308,558	305,379	302,166	300,361	299,804	300,136
LHIN 5	208,057	210,104	208,901	207,413	207,660	208,624	209,741
LHIN 11	256,014	255,997	254,767	253,125	252,426	252,733	253,805
LHIN 1	135,081	133,386	131,577	129,386	127,023	125,241	123,563
LHIN 4	282,444	280,307	277,854	275,428	273,449	272,573	272,414
LHIN 6	258,191	258,759	259,491	259,697	259,397	259,839	261,024
LHIN 12	93,131	91,989	91,026	90,058	89,113	88,599	88,386
LHIN 13	108,670	107,379	105,403	103,455	101,877	100,797	99,960
LHIN 14	50,717	50,314	49,563	48,797	48,158	47,671	47,445
LHIN 10	91,510	90,061	88,569	86,804	85,550	84,934	84,507
LHIN 2	197,141	195,944	194,313	192,656	191,343	190,697	190,586
LHIN 7	217,835	217,746	217,693	216,880	217,840	219,327	221,154
LHIN 3	163,496	163,916	163,531	162,876	162,400	162,534	162,859

Data Sources:

IntelliHealth: Population estimates by LHIN (2009-2013), and Population projections by LHIN (2014-2016).

Notes:

All records in this section are presented by calendar year.

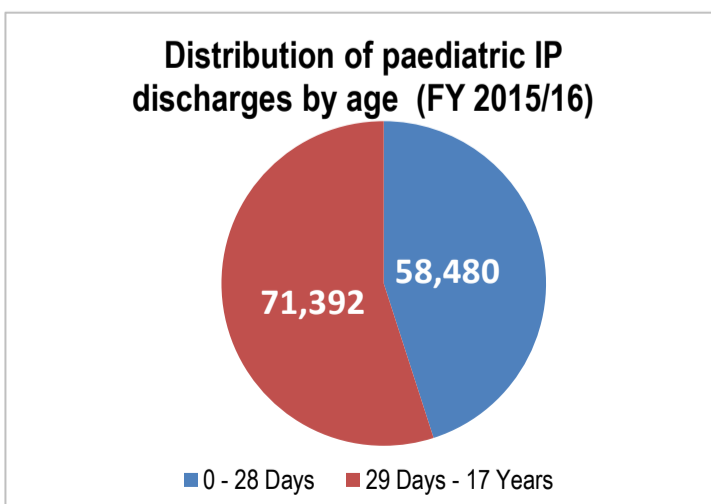
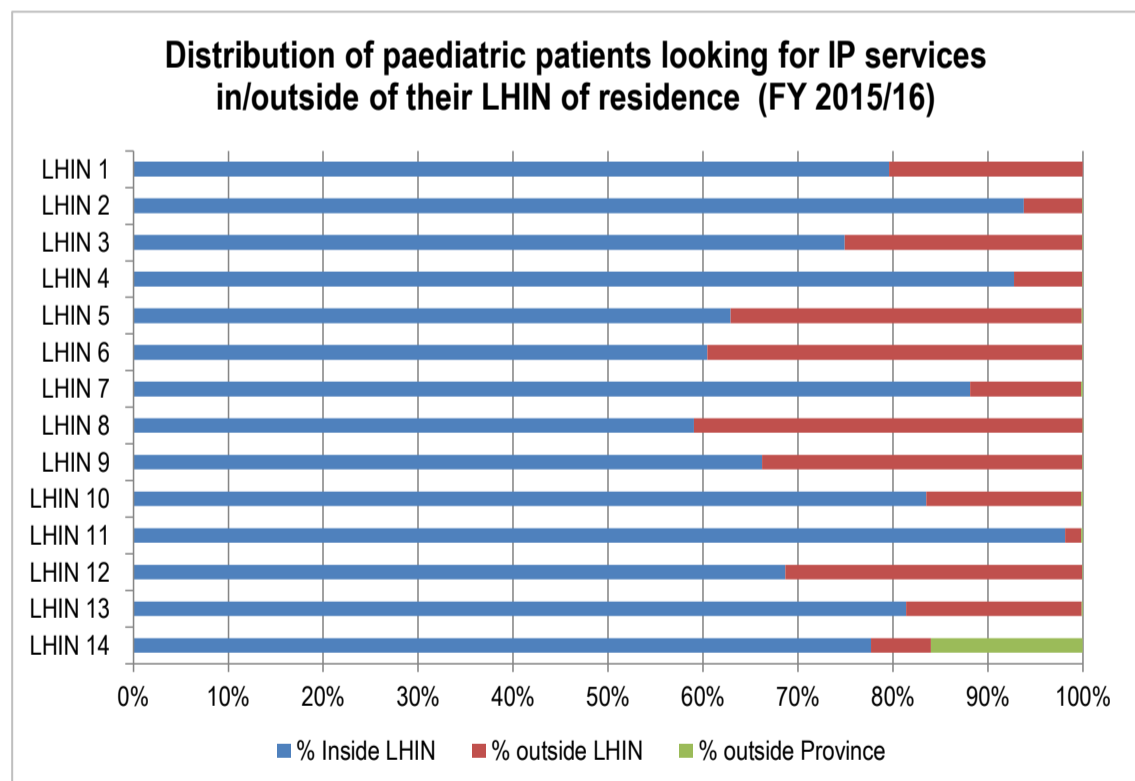
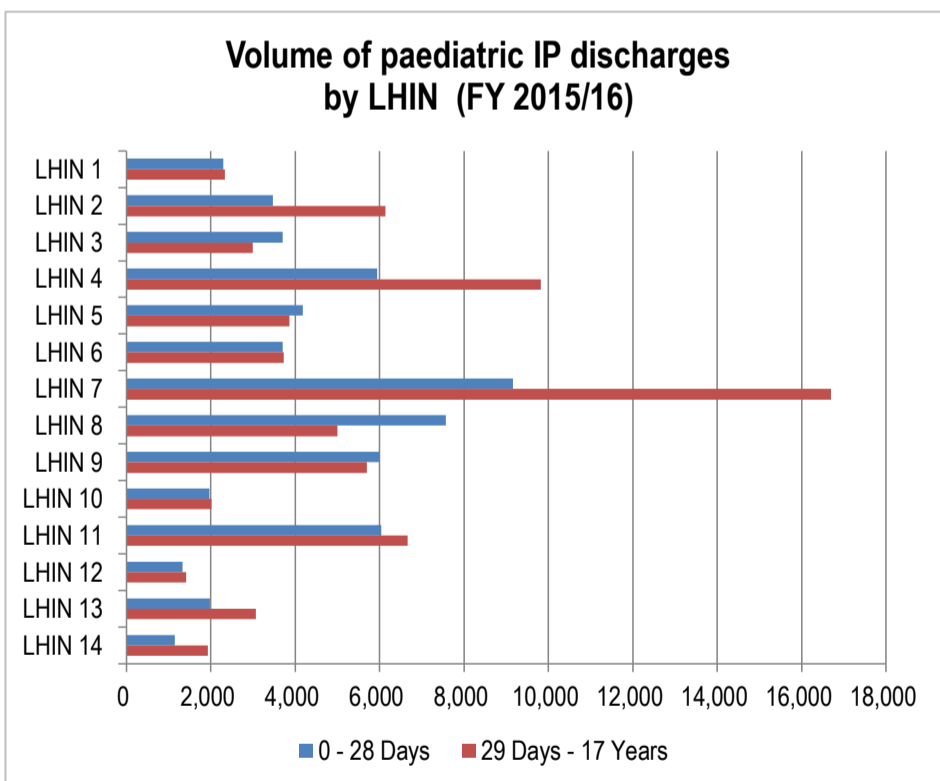
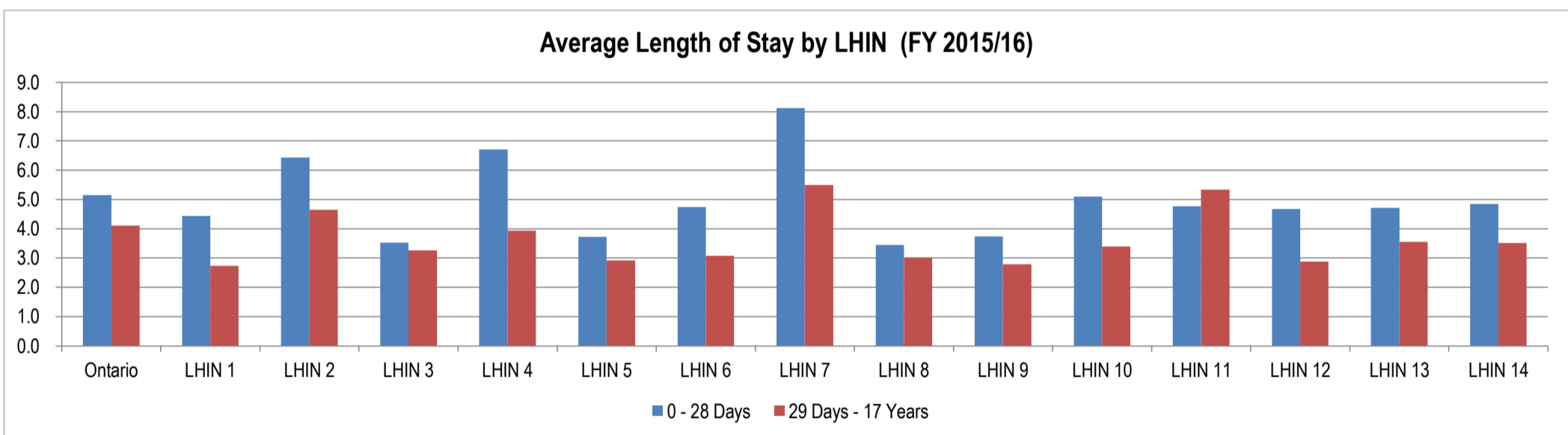
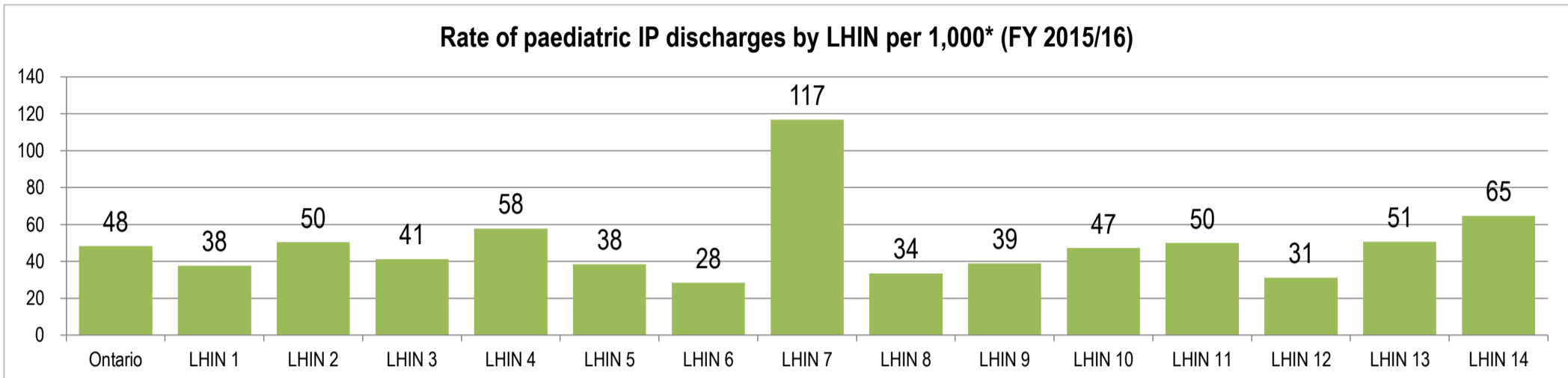
2.0 Paediatric Inpatient Hospital Discharges

Comments

In FY 2015/16, there were 129,874 paediatric inpatient discharges in Ontario. Of those, 58,480 (45%) were neonatal patients (0-28 days). Approximately 20% of the volume (or 1 in 5 paediatric patients) is attributed to LHIN 7.

The Average Length of Stay (ALOS) for paediatric patients was 4.6 (ALOS=5.2 for neonates, and ALOS=4.1 for patients over the age of 28 days). ALOS for age 0-28 days group is longer than age 29-17 years group across all the LHINs except in the LHIN 11. The highest neonatal ALOS was seen in LHIN 7 (ALOS=8.1) and the highest ALOS for patients over 28 days was seen in LHIN 11 (ALOS=5.3).

One in four paediatric patients in Ontario were looking for inpatient services outside of their LHIN of residence. Of those, 762 paediatric patients used services outside of the province. The majority of this volume is attributed to the North West LHIN, where around six hundred cases were transferred to Winnipeg.



1 in 4
paediatric patients in Ontario are looking for inpatient services outside of their LHIN of residence. Of those, **762** paediatric patients used services **outside of the province**.

Data Sources:
Discharge Abstract Database (DAD), provided by the Canadian Institute of Health Information (CIHI).
IntelliHealth: Population estimates by LHIN (2009-2013), and Population projections by LHIN (2014-2015)

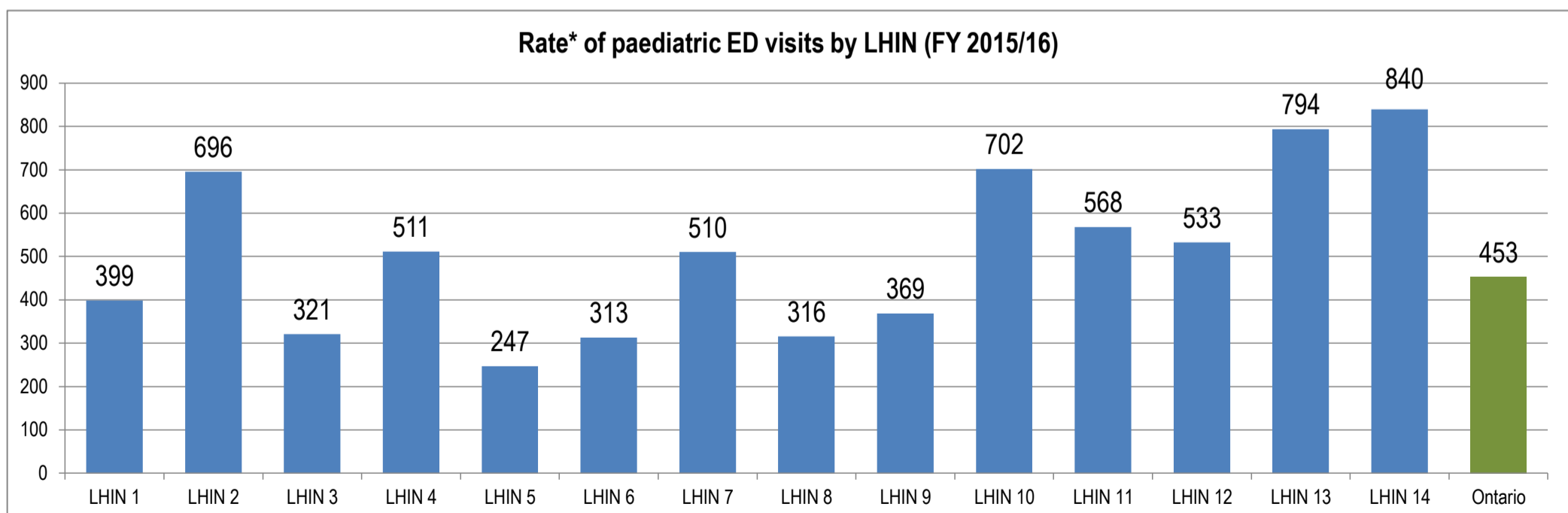
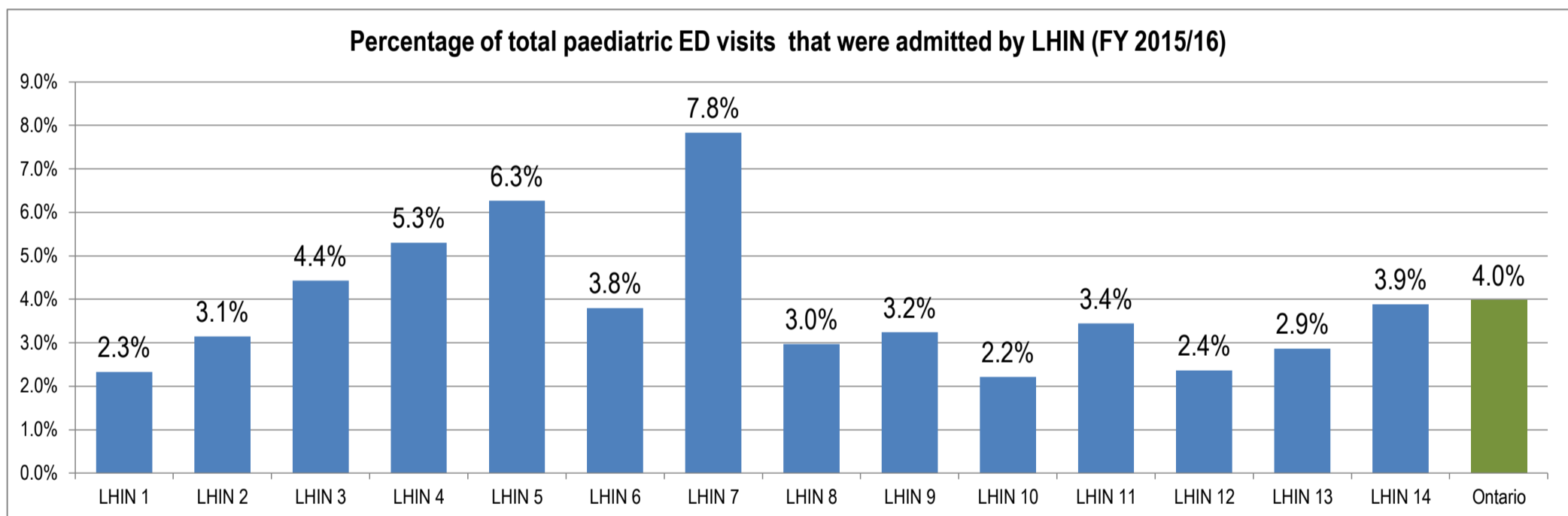
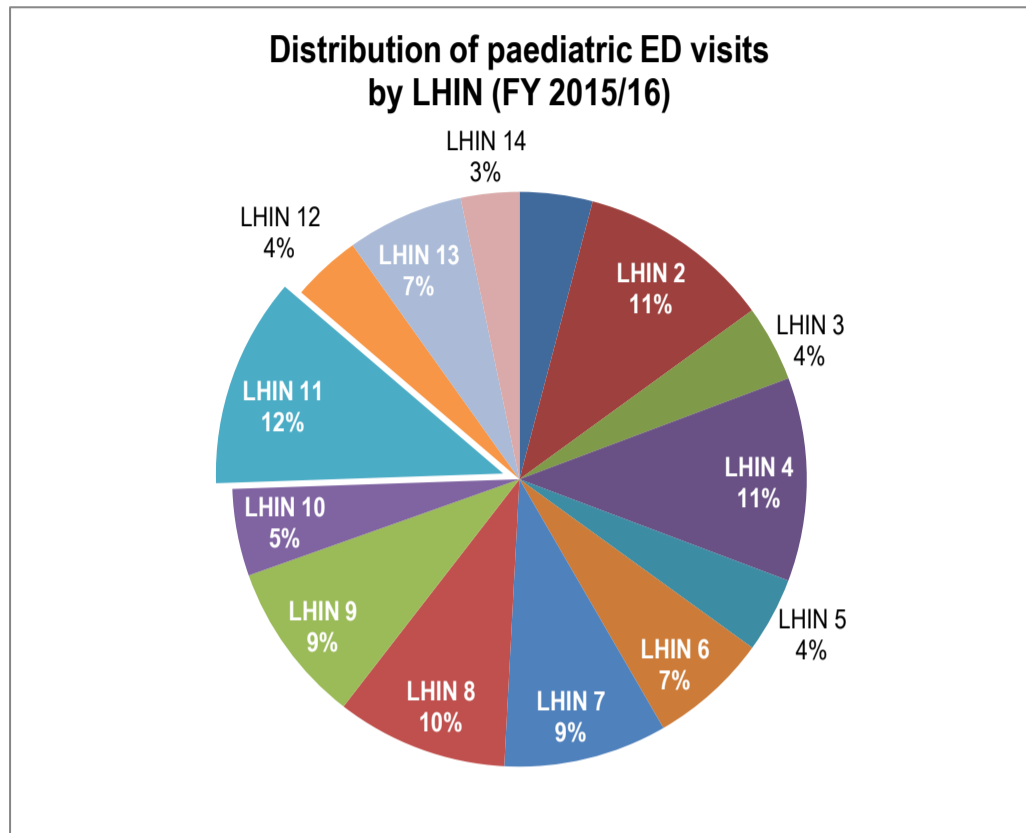
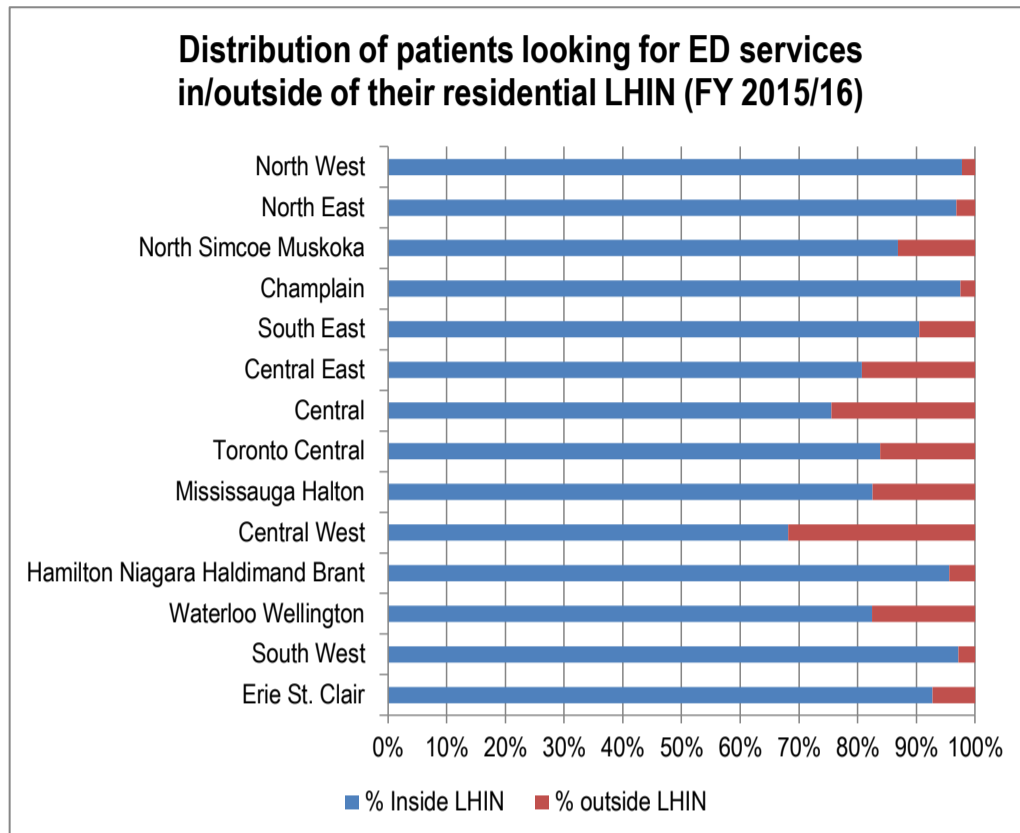
3.0 Paediatric Emergency Department Indicators

Comments

In FY 2015/16, there were 1,217,115 paediatric ED visits registered in Ontario. Approximately one third of this volume (34%) came from LHIN 2, LHIN 4 and LHIN 11 (11%, 11% and 12% respectively). This represents an average of 453 ED visits per 1,000 children between the ages of 0 and 18 years. The highest rate of ED visits was observed in LHIN 10, 13 and 14 (702, 794 and 840 per 1,000 respectively).

14% of paediatric patients were looking for ED services outside of their LHIN of residence. This represents a total of 148,065 children. Of note, approximately 1 in every 3 paediatric patients in Central and 1 in every 4 paediatric patients in Central West LHIN are included in this group.

On average, 4% of paediatric patients were admitted to ED. LHINS 4, 5 and 7 saw the highest volume of ED admissions (5.3%, 6.3% and 7.8% respectively).



Data Sources:
National Ambulatory Care reporting System (NACRS), provided by the Canadian Institute of Health Information (CIHI). IntelliHealth: Population estimates by LHIN (2009-2013), and Population projections by LHIN (2014-2016).

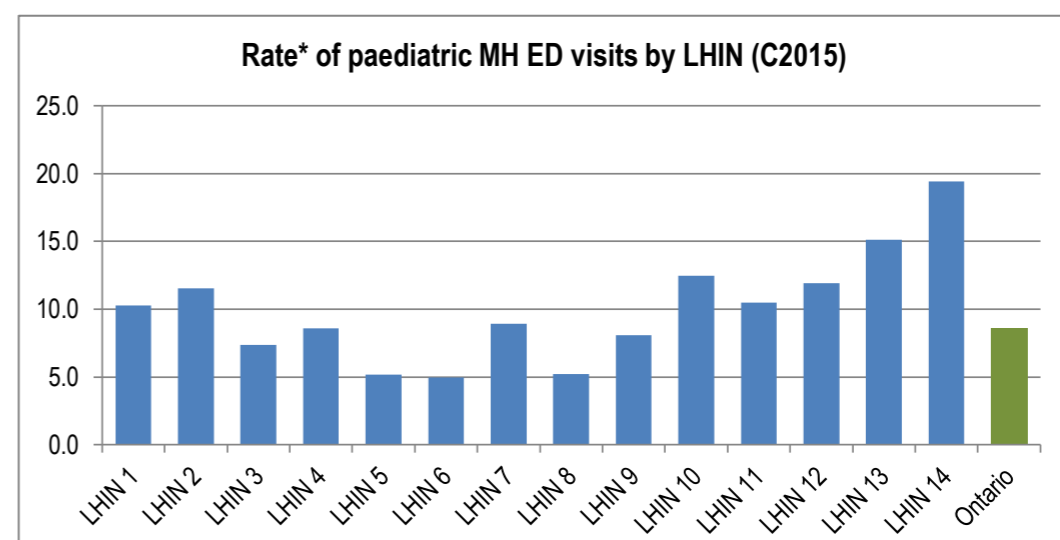
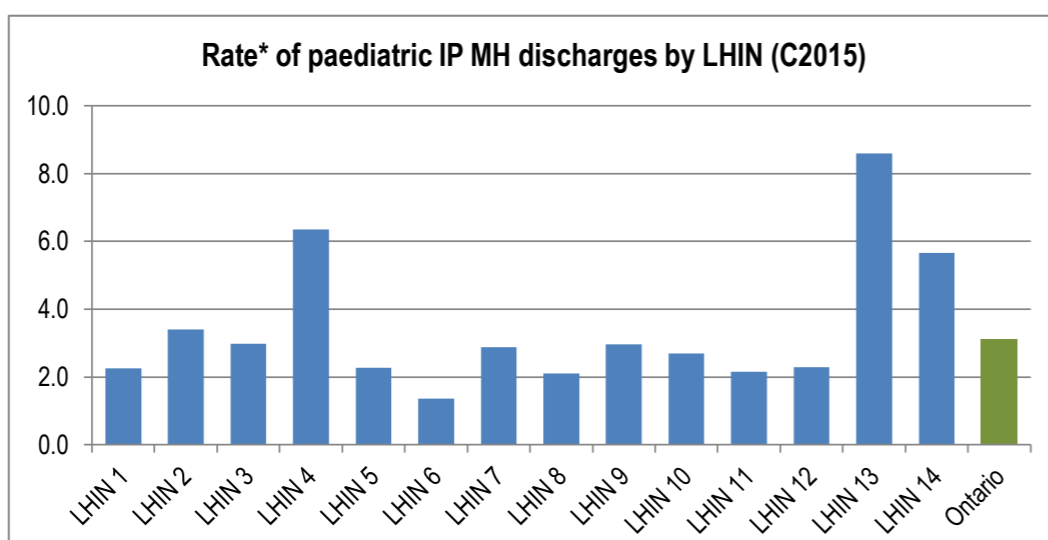
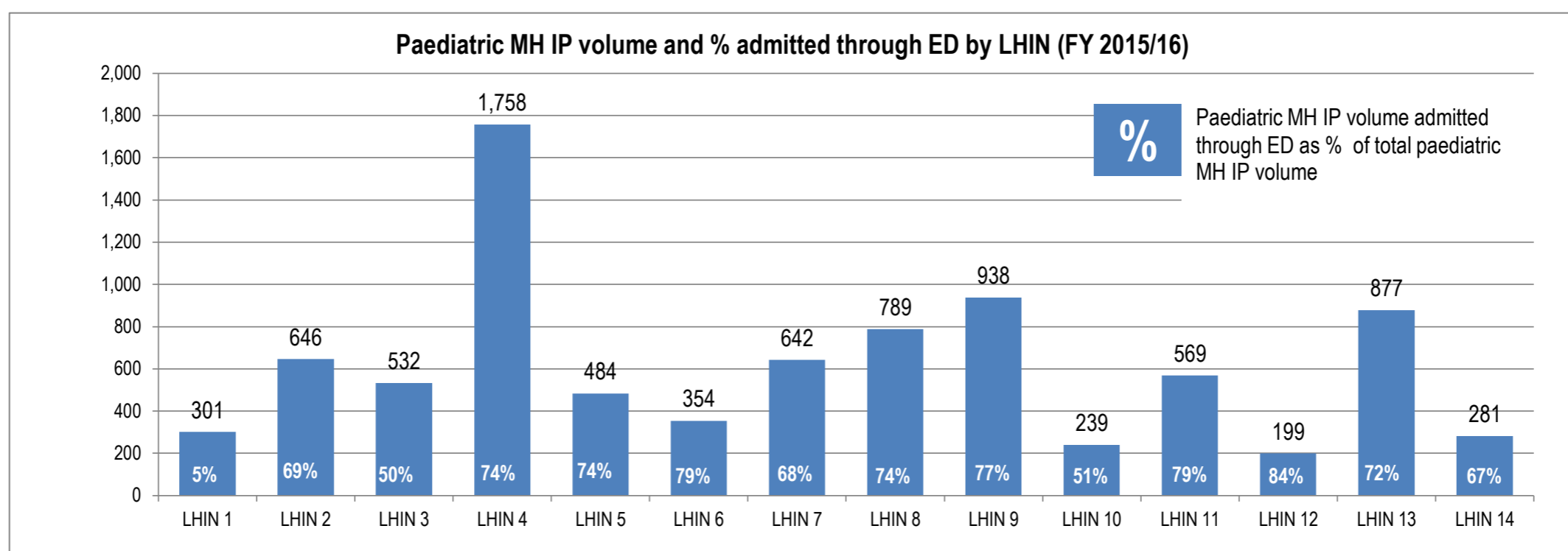
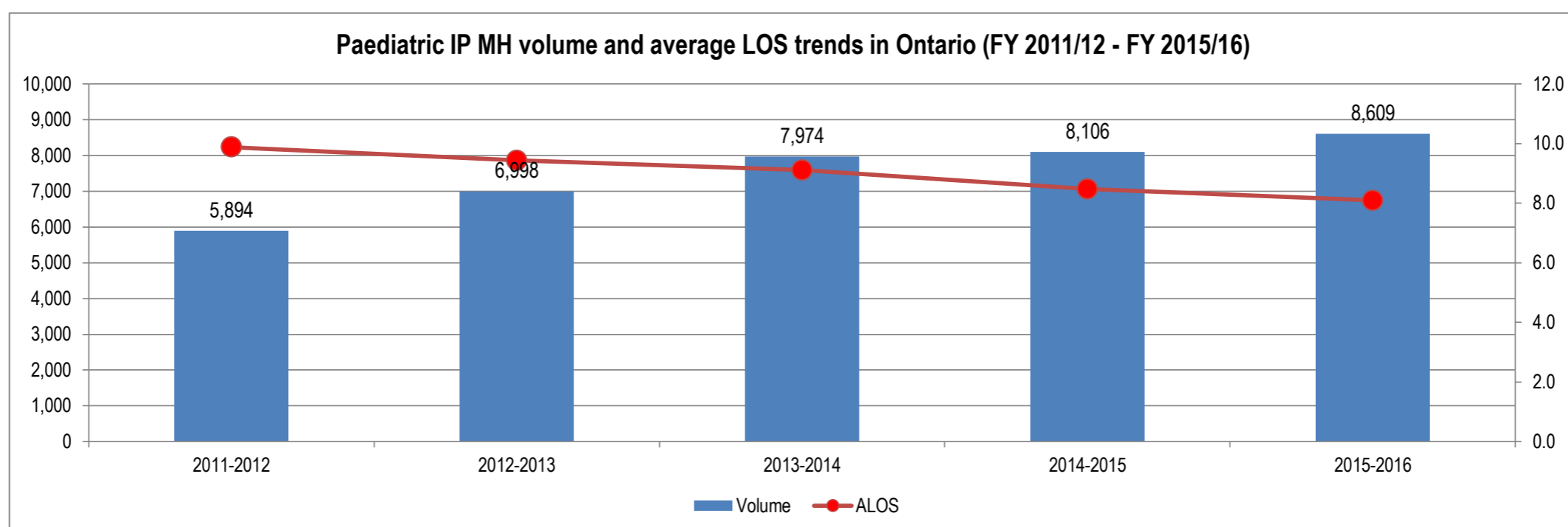
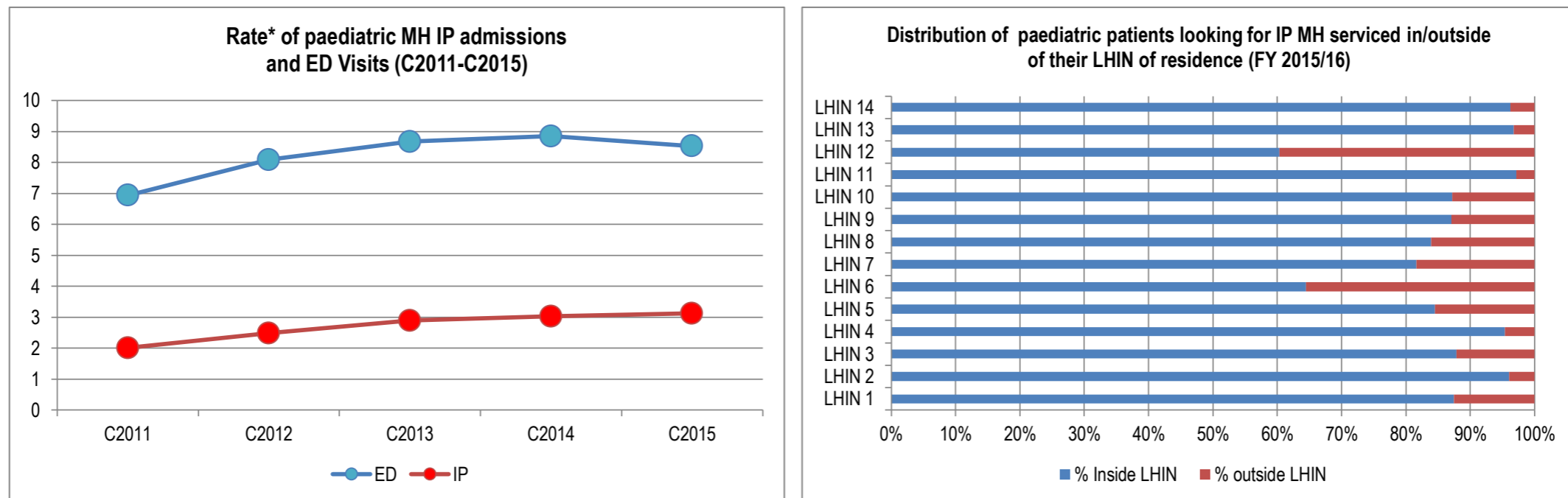
Notes:
*Rate per 1,000 paediatric Population

4.0 Paediatric Mental Health Indicators

Comments

In FY 2015/16, there were 8,609 paediatric mental health inpatient discharges in Ontario. This represents a ~46% increase from 5 years ago. Of those, almost 20% (or 1 in 5 paediatric mental health inpatient discharges) were registered in LHIN 4. Of note, more than one third (40%) of paediatric patients in LHIN 12 were looking for inpatient mental service outside their residential LHIN. While the mental health inpatient volume has been growing steadily since FY2011/12, the Average LOS continues to decline, from ALSO=9.9 in FY 2011/12 to ALSO=8.1 in FY 2015/16.

The rate of paediatric ED visits for mental health problems also continues to grow, with 8.5 / 1,000 population ED visits registered in FY 2015/16. The highest rate was observed in LHINs 13 and 14 (15 / 1,000 and 19 / 1,000 respectively). Near six thousand mental health patients were admitted through ED. Of those, 22% case came from LHIN 4.



Data Sources:
National Ambulatory Care Reporting System (NACRS) provided by the Canadian Institute of Health Information (CIHI).
Discharge Abstract Database (DAD) provided by the Canadian Institute of Health Information (CIHI).
IntelliHealth: Population estimates by LHIN (2009-2013), and Population projections by LHIN (2014-2015).

Notes:
*Rate per 1,000 paediatric population

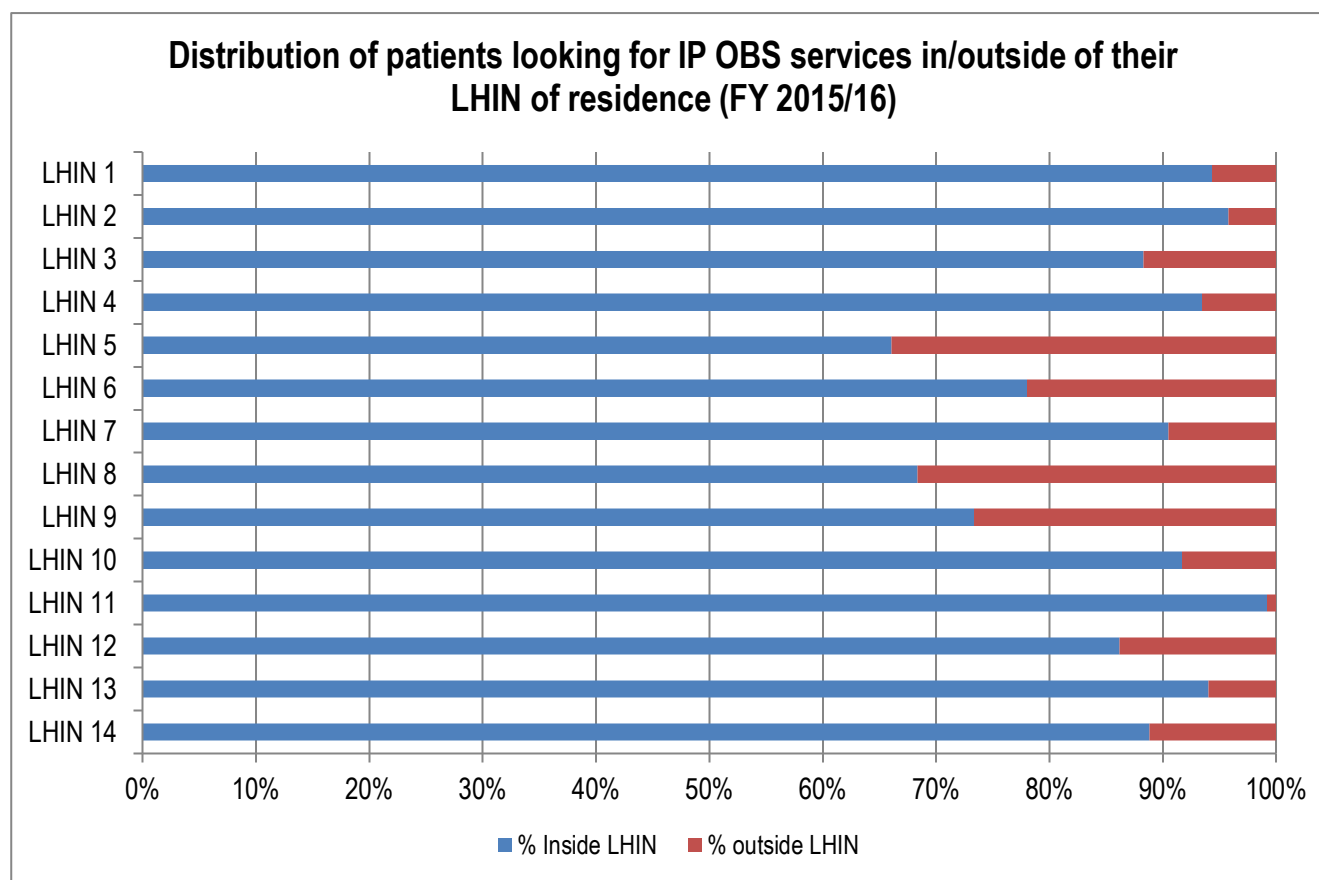
5.0 Obstetrics Indicators

Comments

In FY 2015/16, there were 150,251 obstetrical inpatient discharges in Ontario. This represents a small decline (-3.0%) from 5 years ago. Of those, almost 40% of cases (56,488 cases) came from LHIN 7 (23,708 cases), LHIN 8 (16,751 cases) and LHIN 11 (16,029 cases).

The Average LOS also decline slightly, from 2.3 in FY 2011/12 to 2.1 in FY 2015/16.

16% of obstetrical patients in Ontario were looking for inpatient services outside of their LHIN of residence. Of note, 1 in 3 obstetrical patients from LHIN 5 and LHIN 8 are looking for inpatient services outside of their LHIN of residence.

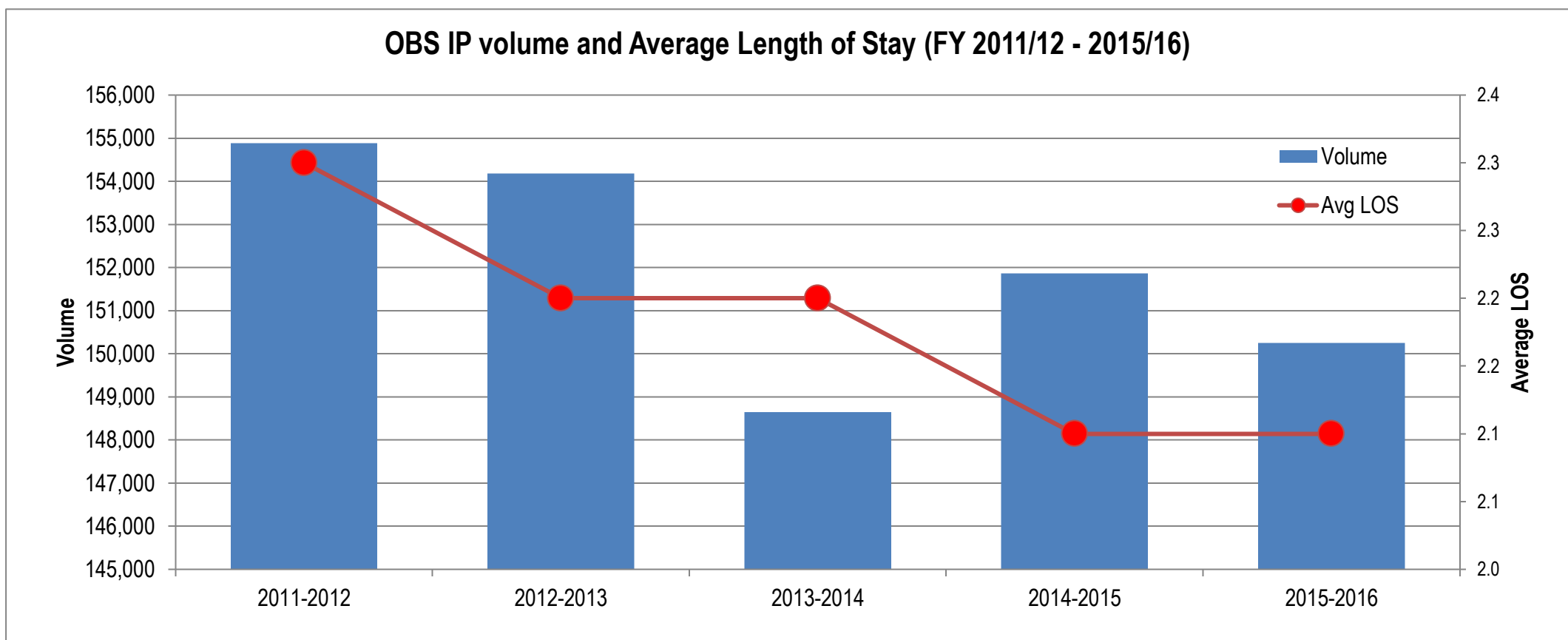


1 in 7

obstetrical patients in Ontario are looking for inpatient services outside of their LHIN of residence.

The Average Length of Stay for obstetrical patients in FY 2015/16 was

2.1



Data Sources:

DAD, provided by CIHI (2010-2015).