

About the Data: Mothers and Babies

Last Updated: June 01, 2018

1. **18-Month Well-Baby Visit Data, 2012 to 2015 Combined**
2. **Mothers and Babies 2012/13 to 2014/15**

1. About the Data: 18-Month Well-Baby Visit Data, 2012 to 2015 Combined

Notes

In October 2009, the Ontario Ministry of Health and Long Term Care (MOHLTC) and the Ministry of Children and Youth Services introduced new fee codes for the Enhanced 18-Month Well-Baby Visit (otherwise referred to as '18-month well-baby visit'). This included a separate code for family physicians and paediatricians. Medical services information is obtained from the Claims History Database which is based on Ontario Health Insurance Plan (OHIP) billing codes.

The 18-month well-baby visit includes the completion of well-baby care and additional documentation of a discussion of the child's development using screening tools (i.e. Rourke Baby Record and Nipissing District Developmental Screen) completed by the caregiver and the physician.

The Claims History Database contains service and payment information for fee-for-service claims submitted by physicians and other licensed health professionals. It also includes some of the "shadow billings" by providers in organizations covered by alternate payment arrangements. Since only some of the claims from the MOHLTC's various alternate payment programs or "shadow billers" are included, there may be undercounting of the total volume of certain services. This could include physicians who do not use fee-for-service billing, such as those who work in community health centres. In 2014, the 21 CHCs in Toronto provided services to approximately 2,704 or 9% of the children aged 1 to 2 years (Association of Ontario Health Centres, 2016).

Data counts include the number of distinct patients with a valid health card number during this time period. Children without a fixed address and recent newcomers may be missed. These children represent vulnerable populations in Toronto.

Residence is determined by where the patient lives not where the service was provided. Denominator data was calculated using population estimates for children one year of age in the Registered Persons Database (RPDB) from IntelliHEALTH ONTARIO. This database includes all children registered for health services in Ontario.

As this analysis was for small geographic areas (i.e. neighbourhoods), data was summed across multiple years (2012 to 2015) to mitigate the effect of inconsistencies in how the children in the numerator and denominator were selected from IntelliHEALTH.

The 2012 to 2015 Combined data are provided at the following levels of geography:

- City of Toronto
- Ontario Neighbourhoods
 - 140 Toronto Neighbourhoods (LHIN 7)

Definitions

18-Month Well-Baby Visits are the services rendered when a physician performs all of the following for a child aged 17 to 24 months: (1) those services defined as "well-baby

care"; (2) an 18-month age appropriate developmental screen; and (3) review with the child's guardian of a brief standardized tool that aids in the identification of children at risk of development disorder

Rate of 18-Month Well-Baby Visits is the number of children receiving the visit divided by the total population of children one year of age who were registered for the Ontario Health Insurance Plan (OHIP).

Data Sources:

Numerator (OHIP): Medical Services Claims History Database 2010 to 2015, Ontario Ministry of Health and Long Term Care, IntelliHEALTH ONTARIO, Date Extracted: January 5, 2018.

Denominator: Ontario Registered Persons Database 2010 to 2015, Ontario Ministry of Health and Long Term Care, IntelliHEALTH ONTARIO, Date Extracted: January 9, 2018.

2. About the Data: Mothers and Babies 2012/13 to 2014/15

Please note:

The Mothers and Babies 2012/13 to 2014/15 data for City of Toronto and Toronto Central LHIN may not be comparable to the previous Mothers and Babies 2009-2011 data posted on the Toronto Community Health Profiles Partnership (<http://www.torontohealthprofiles.ca>) website due to changes in data sources and years of data compared.

Mothers and Babies 2012/13 to 2014/15 Profiles

We used existing linked databases for the province of Ontario, all housed at the Institute for Clinical Evaluative Sciences (ICES; www.ices.on.ca).

Data were extracted from Canadian Institute for Health Information (CIHI) Discharge Abstract Database (DAD); Mothers and Babies MOMBAB dataset linking the admission records of delivering mothers and their newborns; Immigration, Refugees and Citizenship Canada (IRCC)'s Permanent Resident Database.

These datasets were linked using unique, encoded identifiers and analyzed at the Institute for Clinical Evaluative Sciences (ICES).

Measures:

- Total birth rate for total population, both sexes combined, All Ages 0+
- Birth rate (rate /1,000 female ages 15-49)
- Teen birth rate (rate /1,000 female ages 15-19)
- Low birth weight: % of birth with birth weights, <2500 grams
- Hospital births rates by mother's country of birth (MCOB)

The 2012/13 to 2014/15 data are provided at the following levels of geography:

- City of Toronto
- Ontario Neighbourhoods
 - 140 Toronto Neighbourhoods (LHIN 7)

- 105 Neighbourhoods in Central LHIN (LHIN 8)
- 14 Ontario Local Health Integration Network (LHIN)
- Province of Ontario

Data sources

Numerator

Children born in Ontario Hospitals during 3 fiscal years (2012/13 to 2014/15), derived from Discharge Abstract Database (DAD), Canadian Institute for Health Information (CIHI) data set, maintained by the Institute for Clinical Evaluative Sciences (ICES). Children were then linked to MOMBABY data set in order to identify all mothers gave birth in hospital during 3 fiscal years (2012/13 to 2014/15).

Demographics: Statistics Canada, 2011 Census of Population

- Total population in Ontario, Both sexes combined, All Ages 0+
- Female population between ages 15-49
- Female population between ages 15-19