

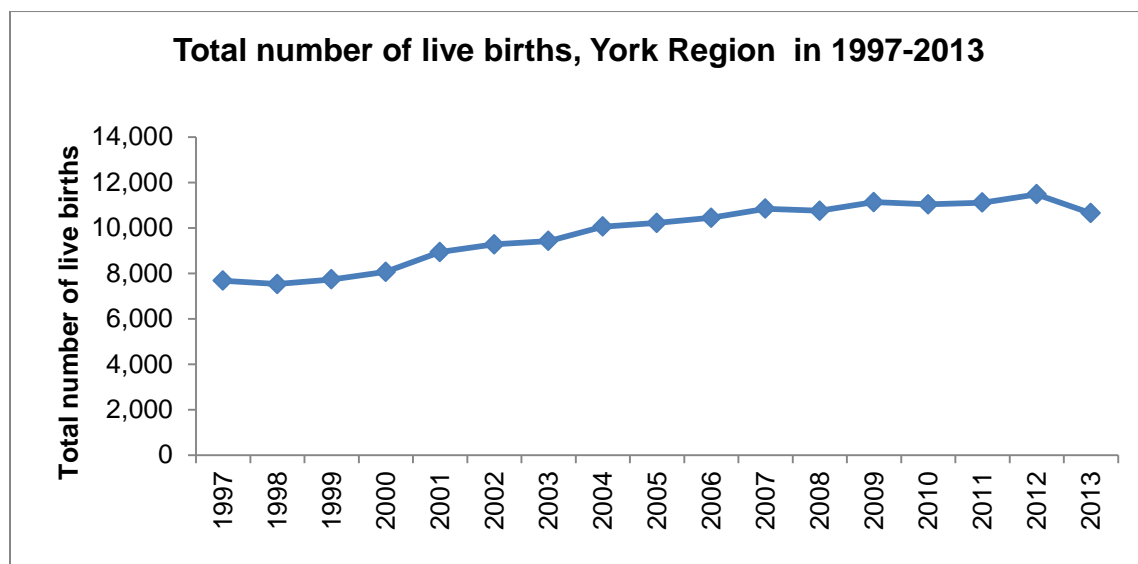
Reproductive Health Outcomes: Live Births

Indicator: Total number of live births per 1,000 total populationⁱ

Data Source: Inpatient Discharges, Population Estimates

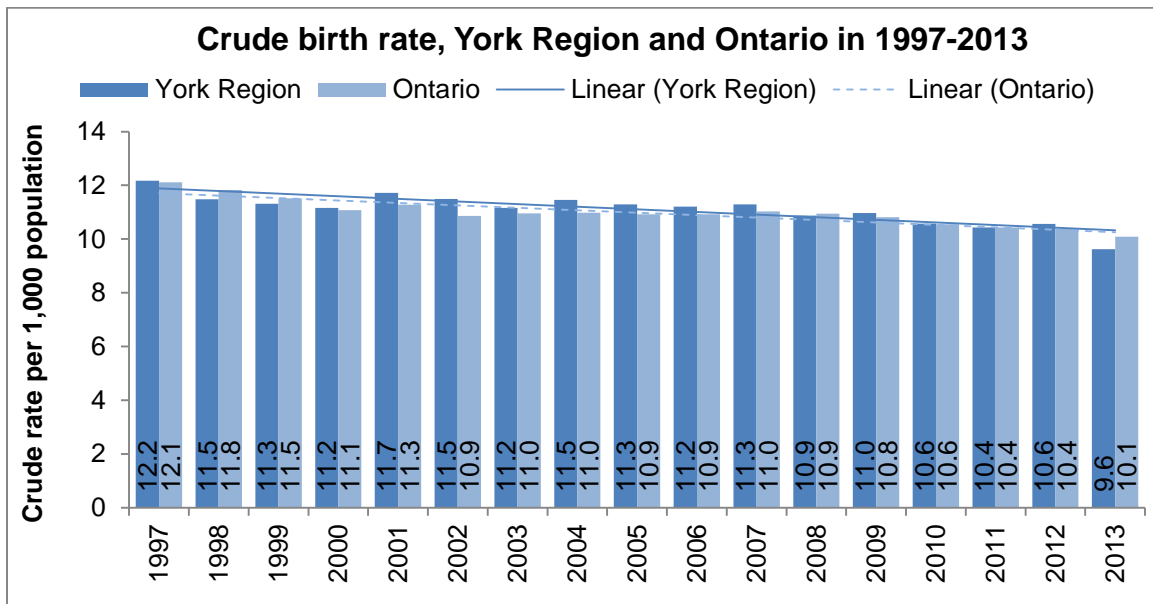
Key Findings

- In 2013, the total number of live births in York Region has decreased to 10,647 live births compared to the previous year. Similarly, the crude birth rate has decreased to 9.6 live births per 1,000 total population.
- Overall, the rate of live births has been increasing in York Region since 1997 ($p < 0.001$).
- Whitchurch-Stouffville and Vaughan were the two municipalities with higher birth rates than the York Region average in 2013.



Data Sources: Inpatient Discharges 1996-2013 (Fiscal Year), Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: 2014-11-12 AND Population Estimates 1996-2013, Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: 2014-11-12.





Data Sources: Inpatient Discharges 1996-2013 (Fiscal Year), Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: 2014-11-12 AND Population Estimates 1996-2013, Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: 2014-11-12.

Crude birth rate by municipality, York Region in 2013

Municipality	# Live Births	Total Population	Rate per 1,000 population	95% Confidence Interval
Aurora	433	56,784	7.6	6.9 – 8.3
East Gwillimbury	227	24,143	9.4	8.2 – 10.6
Georgina	470	46,993	10.0	9.1 – 10.9
King	177	21,393	8.3	7.1 – 9.5
Markham	3,221	324,214	9.9	9.6 – 10.3
Newmarket	811	85,569	9.5	8.8 – 10.1
Richmond Hill	1,588	198,496	8.0	7.6 – 8.4
Vaughan	3,177	308,169	10.3	10.0 – 10.7
Whitchurch-Stouffville	543	40,395	13.4	12.3 – 14.6
Total – York Region	10,647	1,106,096	9.6	9.4 – 9.8

Data Sources: Inpatient Discharges 2012-2013 (Fiscal Year), Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: 2014-11-07 AND Population Estimates 2013, Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: 2014-11-07.



Limitations

- Births to Ontario mothers that occur out-of-province are not included in the data.
- Crude birth rate is influenced by the age structure of the population - it will be higher in populations with more women of childbearing age.ⁱ
- Crude birth rate may be affected by foreign immigrant settling patterns within Ontario, the pattern of migration into and out of Ontario from other provinces as well as migration between jurisdictions within Ontario.ⁱ
- Total number of births, migration information as well as age structure of the population may be helpful when interpreting crude birth rates.

Data Sources: Inpatient Discharges 1996-2013 (Fiscal Year), Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: 2014-11-07.

Population Estimates 1996-2013 (Fiscal Year), Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: 2014-11-07.

Relevant Time Period: 1997 to 2013; updated annually

Data Notes:

- A live birth is defined as the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of the pregnancy, which, after such separation, breathes or shows any other evidence of life such as heartbeat, umbilical cord pulsation, or definite movement of voluntary muscles, whether the umbilical cord has been cut or the placenta is attached. A live birth is not necessarily a viable birth.

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ⁱ Association of Public Health Epidemiologist in Ontario (APHEO). Core Indicators. Accessed 2013-10-17 from <http://www.apheo.ca/index.php?pid=135>

