

The Fraser Institute

# Hospital Report Card



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**Ontario 2006**

**VII. Observed Rates by Municipality**

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## VII Observed Rates by Municipality

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# Overview and Observations

## Overview

The Fraser Institute's *Hospital Report Card: Ontario 2006* is constructed to help patients choose the best hospital for their inpatient care by providing them with information on the performance of Ontario acute-care hospitals. All of the information in this report, which is laid out in 13 separate documents, can be accessed in a convenient and interactive way through our websites, <[www.fraserinstitute.ca](http://www.fraserinstitute.ca)> and <[www.hospitalreportcards.ca](http://www.hospitalreportcards.ca)>.

We set out to create a hospital report card that is easy to understand and accessible by the public, where individuals are able to look up a given condition or procedure and compare death rates, volumes of procedures, rates of adverse events, and utilization rates for their hospital to those of other hospitals in Ontario.

This is accomplished by using state-of-the-art indicators developed by the US Agency for Healthcare Research and Quality (AHRQ) in conjunction with Stanford University that have been shown to reflect quality of care inside hospitals. These indicators are presently in use in a dozen US states, including several of the more populous ones, New York, Texas, Florida and California.

We are using the Canadian Institute for Health Information's (CIHI) Discharge Abstract Database (DAD) as our primary information source. This information is derived from patient records provided to CIHI by all Ontario hospitals. Demographic, administrative, and clinical data are extracted from the Discharge Abstract Database for inpatient hospital stays from all acute care hospitals in Ontario, except for the Hospital for Sick Children in Toronto.

Since more specialized hospitals may treat more high-risk patients and some patients arrive at hospitals sicker than others, it is important to risk-adjust hospital death rates, adverse events rates, and utilization rates for patients with the same condition but a different health status. The international standard for risk adjustment, 3M™ APR™ DRG Classification System, [1] is employed to risk-adjust the data.

[1] 3M and APR are trademarks of 3M, used under license in Canada.

The Fraser Institute has spent the past two years developing the methods, databases, and computer programs required to adapt the measures to Canadian circumstances. This work has been internally and externally peer-reviewed and is supported by an extensive body of research based on the AHRQ approach.

Forty-three of Ontario's 136 acute-care hospitals, representing 41% of inpatient records in Ontario in the latest year, granted us authorization to identify them by name in this report. We applaud those hospitals who voluntarily agreed to be identified in this first edition of the Fraser Institute's *Hospital Report Card: Ontario 2006*. These hospitals should be commended for their efforts to empower patients with information regarding the health care they receive and for their ongoing commitment to quality improvement through accountability and transparency.

The Fraser Institute's *Hospital Report Card: Ontario 2006* consists of 50 of AHRQ's indicators of quality (such as death due to a stroke) and patient safety (such as a foreign body left inside a patient during a procedure). The indicators

are shown for all acute-care hospitals in Ontario from 1997 to 2005, comprising more than 8.5 million patient records. We have also calculated the indicators for all municipalities in Ontario, based on patient location. This constitutes the most comprehensive measure of acute-care hospital performance and accountability in Canada at the present time.

The indicators are expressed as observed rates (such as death due to hip replacement surgery) and risk-adjusted rates (the same rate adjusted for patient health status). Each institution was given a score from 0 to 100 for each indicator based on its risk-adjusted rate, where 100 is the best. The institutions were then ranked based on their scores, where 1 is the best.

The indicators are classified into three groups: those related to medical conditions, hospital procedures, and child birth. The indicators are further classified by type: death rates, volumes of procedures, utilization rates, and adverse events.

A Hospital Mortality Index (HMI) has been constructed to examine the overall performance of a hospital or municipality across indicators that measure death rates. It consists of up to nine indicators including:

- deaths due to hip replacement surgery
- deaths due to heart attacks
- deaths due to heart failure
- deaths due to acute strokes
- deaths due to bleeding from the esophagus, stomach, small intestine or colon
- deaths due to hip fractures
- deaths due to pneumonia infection
- deaths among patients that are considered unlikely to die in the hospital
- deaths in patients that developed complications of care during hospitalization

The final HMI is an average of the scores of these indicators, where 100 is the best. All institutions and municipalities were ranked based on their HMI score, where 1 is the best. It is important to note that the 50 indicators and the Hospital Mortality Index are applicable only to acute-care conditions and procedures for inpatient care. The results cannot be generalized to assessing the overall performance of any given hospital.

Since this report is based on administrative data, the results have limitations related to coding variations and other factors. Hospital deaths or complications will occur even when all standards of care are followed. Deciding on treatment options and choosing a hospital are decisions that should be made in consultation with a physician. It is not recommended to choose a hospital based solely on statistics and descriptions such as those given in this report.

That said, the DAD is a major data source used to produce various CIHI reports including annual reports on the performance of the health-care system and for seven of the health indicators adopted by the federal, provincial, and territorial governments. These data have been used extensively in previous reports on health care performance, and form the basis for many journal articles.

As the *Ontario Hospital Report*, [2] which uses the same DAD data set underlying this report card, notes, “the data are collected under consistent guidelines, by trained abstractors, in all acute care hospitals in Ontario. The data undergo extensive edit checks to improve accuracy, but all errors cannot be eliminated” (p. 6).

[2] A joint initiative of the Ontario Hospital Association and the Government of Ontario. Hospital Report 2006: Acute care. Report available at [http://www.hospital-report.ca/downloads/2006/AC/acute\\_report\\_2006.pdf](http://www.hospital-report.ca/downloads/2006/AC/acute_report_2006.pdf)

There are a number of publications that have addressed data-quality issues that are discussed in our report. Of note are CIHI's reabstraction studies that go back to the original patient charts and recode the information using a different set of expert coders. [3]

Overall, according to CIHI, [4] findings from their three-year DAD reabstraction studies have confirmed the strengths of the database, while identifying limitations in certain areas resulting from inconsistencies in the coding of some data elements. In addition, the findings from the inter-rater data (that is, comparison between reabstractors) were generally similar to the findings from the main study data (that is, comparison between original coder and reabstractor). This suggests that the database is coded as well as can be expected using existing approaches in the hospital system.

In addition to the aforementioned reabstraction studies, the OECD published a report [5] that supports the AHRQ patient-safety indicator approach, noting that "this set of measures represents an exciting development and their use should be tested in a variety of countries" (p. 11). Further, a recently released report by the Manitoba Center for Health Policy that used the AHRQ Patient Safety Indicators [6] noted two important advantages to using the AHRQ approach. The first advantage is the breadth of coverage offered by the indicators in studying in-hospital patient safety. The second is that the AHRQ patient safety indicators were developed to measure complications of hospital-based care among a group of patients for whom the complications seemed preventable or highly unlikely.

## Observations

A report based on more than 8.5 million patient records, shown across 50 quality and safety indicators for 136 hospitals and 138 municipalities over eight years, is not something that can be summarized in a few words. In fact, the primary purpose of this research is to provide patients with access to information on specific medical procedures and conditions and understand the variation of hospital care across the entire system. It is for that reason that we have rates, scores, and ranks for each separate indicator and that information can be assessed by using this document and our associated interactive web-enabled database found through <[www.fraserinstitute.ca](http://www.fraserinstitute.ca)> or <[www.hospitalreportcards.ca](http://www.hospitalreportcards.ca)>.

However, we have created one summary measure of mortality, based on the most important and reliable data in this study, the Hospital Mortality Index. The nine component indicators of the HMI were arrived at by a process of elimination. Starting with our complete group of 50 indicators, we eliminated indicators that had no data for several years or relatively few hospitals with data. The resulting HMI has scores and rankings for 66 hospitals and 106 municipalities in the latest year.

Tables 1 (page 6–7) and 2 (page 9–11) show scores and rankings for the Hospital Mortality Index for the average score over the latest three years 2002/03 to 2004/05. [7] This is compared to the average score in the first three years of our survey from 1997/98 to 1999/2000. The change column shows the improvement or deterioration in score between the two periods.

[3] Reabstractors participating in the study were required to have several years of coding experience, experience coding in ICD-10-CA and CCI in particular, experience coding at a tertiary care centre, and attendance at specific CIHI educational workshops. They were also required to attend a one-week training session and to receive a passing score on the inter-rater test.

[4] Data Quality of the Discharge Abstract Database Following the First-year Implementation of ICD-10-CA/CCI. CIHI 2004.

[5] Selecting Indicators for Patient Safety at the Health Systems Level in OECD Countries. John Millar, Soeren Mattke and the Members of the OECD Patient Safety Panel. Report available at: <http://www.oecd.org/dataoecd/53/26/33878001.pdf>

[6] Bruce S et al., Application of Patient Safety Indicators in Manitoba: A First Look. Winnipeg, Manitoba Centre for Health Policy, June 2006.

[7] The use of 2002/03 and 2003/04 data possibly introduces a SARS effect to the HMI for some hospitals, as 44 patients died in Ontario from SARS between February and July 2003 and hospital operations were affected. However, we note that the median HMI score rose by 6.6 points in 2003 and dropped by 6.5 points in 2004, leaving the score virtually unchanged between 2002 and 2004 at 71.3.



## Hospital Mortality Index: Hospitals

### Top-Ranked Hospitals

- The top hospital in Ontario is Hospital 50, identity unknown, with a high HMI score of 80.9 out of 100. It is the fifth most improved hospital since the late 1990s and was ranked 15<sup>th</sup> in the earlier period.
- Anonymous Hospital 10 is the second ranked hospital. It held this same position in the late 1990s and has a similarly high score of 79.6.
- The top identified hospital is William Osler Health Centre (Brampton), in third place with a score of 78.6. It is also the 10<sup>th</sup> ranked hospital in terms of improvement over the past eight years.
- Rounding out the top ten rankings are identified hospitals Stratford General, Ottawa Hospital (All Sites, including the University of Ottawa Heart Institute), Ottawa Hospital (General), Rouge Valley Health System (Ajax and Pickering), and Timmins and District General.
- Anonymous Hospital 169 Withdrawn, ranked 10<sup>th</sup>, has had the largest improvement in its HMI score of any hospital (up 7 points) since the late 1990s.
- The top-ranked, large identified general/teaching hospitals are: Ottawa Hospital (All Sites), ranked 4<sup>th</sup>; Ottawa Hospital (General), ranked 7<sup>th</sup>; St. Joseph's HealthCare (Hamilton), ranked 11<sup>th</sup>; Mount Sinai, ranked 13<sup>th</sup>; and London Health Sciences Centre (All Sites), ranked 14<sup>th</sup>.

### Bottom-Ranked Hospitals

- All of the 10 bottom-ranked hospitals either did not participate in the study or withdrew after agreeing to participate. Of these, Hospital 173 Withdrawn is the lowest ranked hospital with a score of 61.9.
- Anonymous Hospital 94 is the second lowest-ranked hospital, with a score of 62.8. Anonymous Hospital 96 is third lowest, with a score of 63.0 and a drop of almost 12 points from the earlier period.
- Grand River Hospital Corporation (Kitchener Waterloo) is the next lowest-ranked participating hospital and has had the largest decline of any hospital in its HMI score from 81.5 to 68.5 recently.
- The lowest-ranked, large participating general/teaching hospitals are: Hamilton Health Sciences (Henderson), ranked 34<sup>th</sup>; and Ottawa Hospital (Civic), ranked 36<sup>th</sup>.

### Consistency

- There is some consistency of performance in the top and bottom hospitals.

[continued on page 6]

**Table 1: Hospital Mortality Index—Hospitals**

	2002/05		1997/00		Change	
	Score	Rank	Score	Rank	Score	Rank
Hospital 50	80.9	1	78.3	15	2.5	5
Hospital 10	79.6	2	83.9	2	−4.3	33
William Osler Health Centre—Brampton Site	78.6	3	77.8	17	0.8	10
Ottawa Hospital/L'Hôpital d'Ottawa—All Sites	78.1	4	77.4	20	0.7	11
Stratford General Hospital	77.3	5	88.9	1	−11.6	48
Hospital 97	77.0	6	75.0	36	2.0	6
Ottawa Hospital/L'Hôpital d'Ottawa—General Site	76.7	7	82.5	4	−5.9	40
Rouge Valley Health System—Ajax and Pickering Site	76.6	8	77.6	18	−1.0	16
Timmins and District General Hospital	76.6	9	82.8	3	−6.2	43
Hospital 169 Withdrawn	76.5	10	69.5	61	7.0	1
St. Joseph's Health Care System—Hamilton	76.4	11	79.4	12	−2.9	27
Hospital 62	76.4	12	81.0	8	−4.6	34
Mount Sinai Hospital	76.4	13	78.6	14	−2.3	23
London Health Sciences Centre—University, Victoria South and Children's Hospital of Western Ontario Sites	76.2	14	80.5	10	−4.2	32
Rouge Valley Health System	76.1	15	77.5	19	−1.3	19
Cambridge Memorial Hospital	75.9	16	81.3	7	−5.4	36
Rouge Valley Health System—Centenary Health Centre Site	75.9	17	77.1	23	−1.2	18
St. Thomas-Elgin General Hospital	75.9	18	74.0	43	1.8	8
Hospital 77	75.8	19	—	—	—	—
Sunnybrook and Women's College Health Sciences Centre	75.7	20	76.6	26	−0.9	15
Thunder Bay Regional Health Sciences Centre	75.6	21	78.3	16	−2.6	25
Hamilton Health Sciences	75.6	22	75.5	33	0.1	12
Hospital 59	75.6	23	—	—	—	—
Hospital 29	75.5	24	—	—	—	—
William Osler Health Centre	75.2	25	77.3	21	−2.1	22
Hospital 109	74.9	26	—	—	—	—
Hospital 80	74.9	27	—	—	—	—
Hospital 79	74.8	28	—	—	—	—
Hospital 55	74.7	29	—	—	—	—
Hospital 67	74.3	30	79.6	11	−5.3	35
Hospital 71	74.2	31	75.7	32	−1.5	20
Hospital 104	74.1	32	73.1	47	1.0	9
Windsor Hospital—Windsor Metropolitan General Site	74.1	33	—	—	—	—

Table 1: Hospital Mortality Index—Hospitals (continued)

	2002/05		1997/00		Change	
	Score	Rank	Score	Rank	Score	Rank
Hamilton Health Sciences—Henderson Hospital Site	73.8	34	76.6	27	−2.8	26
Windsor Regional Hospital	73.2	35	69.3	62	3.9	2
Ottawa Hospital/L'Hôpital d'Ottawa—Civic Site	73.2	36	74.8	37	−1.6	21
Hospital 7	72.9	37	75.9	30	−3.1	28
Hospital 72	72.7	38	80.8	9	−8.1	46
North York General Hospital	72.5	39	70.6	56	1.9	7
Trillium Health Centre	72.3	40	74.7	38	−2.4	24
Hospital 38	72.3	41	—	—	—	—
Hospital 108	72.3	42	—	—	—	—
Hospital 76	71.9	43	75.8	31	−3.9	31
William Osler Health Centre—Etobicoke General Site	71.6	44	77.1	22	−5.6	38
St. Mary's General Hospital	71.3	45	68.5	65	2.8	3
Hospital 36	71.1	46	76.7	25	−5.6	39
Hospital 15	70.7	47	71.4	53	−0.6	14
Hospital 106	70.3	48	76.4	28	−6.1	42
Hospital 8	70.3	49	73.9	44	−3.5	29
Hospital 16	70.1	50	67.4	67	2.7	4
Hospital 37	70.0	51	75.4	34	−5.4	37
Hospital 172 Withdrawn	69.6	52	76.0	29	−6.4	44
Hospital 22	69.3	53	—	—	—	—
Hospital 25	68.7	54	69.2	63	−0.5	13
Grand River Hospital Corporation—Kitchener-Waterloo Hospital Site	68.5	55	81.5	6	−13.0	50
Hospital 31	68.2	56	—	—	—	—
Hospital 70	68.2	57	77.0	24	−8.9	47
Hospital 28	67.6	58	—	—	—	—
Hospital 43	67.3	59	—	—	—	—
Hospital 18	67.2	60	71.0	54	−3.9	30
Hospital 85	65.3	61	66.4	68	−1.1	17
Hospital 40	64.6	62	—	—	—	—
Hospital 175 Withdrawn	64.1	63	—	—	—	—
Hospital 96	63.0	64	74.7	40	−11.6	49
Hospital 94	62.8	65	68.8	64	−6.1	41
Hospital 173 Withdrawn	61.9	66	—	—	—	—



- Four of the top ten hospitals, Anonymous Hospital 10, Stratford General, Ottawa Hospital (General), and Timmins and District General, have sustained top performances over the entire time period.
- All of the bottom ten hospitals were either low ranked in the late 1990s or had inadequate data then to be ranked.

### Hospital Identification

- More than half of the hospitals with a HMI score (39 out of 67 in the latest period) chose not to be identified.
- Four hospitals (ranked 10<sup>th</sup>, 52<sup>nd</sup>, 63<sup>rd</sup>, and 66<sup>th</sup>) chose to withdraw from the study.
- Six of the top 20 ranked hospitals are not identified by name. By contrast, 19 of the bottom 20 hospitals are anonymous. Participating hospitals tend to have higher rankings (with an average rank of 23) and anonymous hospitals have lower rankings (with an average rank of 39).

## Hospital Mortality Index: Municipalities

### Top-Ranked Municipalities

- The top municipality is Arnprior with a high HMI score of 79.8 out of 100. However, this municipality and second-ranked Maple had inadequate data to show a score in the late 1990s.
- The third-ranked municipality is Stratford, which also ranked consistently high at second place in the late 1990s. Stratford General Hospital has these same attributes, which is not surprising, given that more than 80% of Stratford inpatient stays occurred at that hospital.
- A similar story occurs for Ajax, with a score of 76.5 and an 8<sup>th</sup>-place ranking. Over half of the inpatient stays for Ajax occur at 8<sup>th</sup>-ranked hospital Rouge Valley Health System (Ajax and Pickering), while Pickering is ranked 25<sup>th</sup> and has only one-third of its inpatient stays at that hospital.
- Similarly, 10<sup>th</sup>-ranked Aylmer West sees almost 70% of its inpatients go to St. Thomas-Elgin General Hospital, which has an 18<sup>th</sup>-place ranking.
- The other top ten municipalities do not have significant patient populations linked with any identified hospital. Patients in those municipalities are not able to know their local hospital performance indicators.
- Larger population municipalities with high rankings are: Brampton, ranked 11<sup>th</sup>; Oakville, ranked 12<sup>th</sup>; Barrie, ranked 14<sup>th</sup>; Sault Ste Marie, ranked 16<sup>th</sup>; and Thunder Bay, ranked 20<sup>th</sup>.

Note: The Hospital Mortality Index (HMI) is calculated for municipalities using the residence of patients treated in Ontario acute-care hospitals.

[continued on page 12]

Table 2: Hospital Mortality Index—Municipalities

	2002/05		1997/00		Change	
	Score	Rank	Score	Rank	Score	Rank
Arnprior	79.8	1	—	—	—	—
Maple	79.2	2	—	—	—	—
Stratford	79.1	3	85.1	2	−6.0	85
Penetanguishene	78.2	4	72.7	27	5.5	6
Leamington	77.9	5	77.2	8	0.7	37
Orangeville	77.6	6	76.6	10	1.0	34
Thornhill	76.7	7	80.2	4	−3.5	73
Ajax	76.5	8	72.5	28	4.0	16
Goderich	76.2	9	83.4	3	−7.2	88
Aylmer West	76.1	10	64.2	85	11.9	1
Brampton	75.9	11	75.0	14	0.9	36
Oakville	75.6	12	72.5	29	3.1	19
Innisfil	75.2	13	—	—	—	—
Barrie	75.1	14	77.0	9	−1.9	61
Whitby	74.9	15	70.8	41	4.1	13
Sault Ste. Marie	74.9	16	70.7	44	4.2	12
Other	74.4	17	69.5	55	4.9	8
Bowmanville	74.4	18	74.3	16	0.1	44
Owen Sound	74.1	19	74.5	15	−0.4	48
Thunder Bay	73.9	20	73.3	21	0.6	38
Timmins	73.9	21	79.7	5	−5.8	82
Hamilton	73.7	22	71.1	40	2.6	21
Sarnia	73.7	23	67.6	72	6.1	4
Cambridge	73.7	24	77.4	7	−3.7	76
Pickering	73.6	25	72.0	30	1.6	30
Oshawa	73.5	26	69.5	57	4.0	14
Ingersoll	73.3	27	73.1	23	0.2	42
Bolton	73.3	28	68.2	67	5.1	7
Amherstburg	73.1	29	70.6	46	2.6	23
London	73.0	30	70.8	42	2.2	24
Woodbridge	73.0	31	75.1	13	−2.1	65
Keswick	73.0	32	72.9	25	0.1	43
Ottawa	72.8	33	69.6	54	3.2	18
Windsor	72.4	34	71.1	38	1.3	32
Richmond Hill	72.3	35	73.7	18	−1.4	59

Table 2: Hospital Mortality Index—Municipalities (continued)

	2002/05		1997/00		Change	
	Score	Rank	Score	Rank	Score	Rank
Willowdale	72.3	36	68.3	66	4.0	15
Aurora	72.2	37	67.5	73	4.7	9
Fergus	72.1	38	—	—	—	—
Toronto	72.1	39	71.1	39	1.0	35
Bradford	72.0	40	70.2	48	1.8	28
Lindsay	71.5	41	63.6	88	7.9	3
Huntsville	71.4	42	73.4	20	−2.0	63
Rural	71.3	43	71.9	33	−0.5	51
Welland	71.2	44	69.3	59	1.9	27
Stouffville	71.2	45	69.5	56	1.7	29
Brantford	71.2	46	75.1	12	−3.9	78
Parry Sound	71.0	47	70.6	45	0.5	40
Essex	70.9	48	66.4	81	4.6	10
Mississauga	70.9	49	71.5	37	−0.5	50
Burlington	70.9	50	71.7	34	−0.9	55
Sudbury	70.7	51	68.1	68	2.6	22
Newmarket	70.7	52	71.6	35	−0.9	56
Kingsville	70.7	53	66.4	80	4.3	11
Cornwall	70.2	54	68.3	65	1.9	26
Georgetown	70.0	55	72.8	26	−2.8	69
Hanover	69.7	56	—	—	—	—
Scarborough	69.7	57	70.2	49	−0.5	52
Milton	69.6	58	75.4	11	−5.8	83
Bracebridge	69.6	59	74.0	17	−4.4	80
Kitchener	69.5	60	71.5	36	−2.0	64
Port Perry	69.4	61	—	—	—	—
Weston	69.4	62	71.9	32	−2.5	68
Guelph	69.1	63	72.0	31	−2.9	70
Woodstock	69.1	64	69.0	62	0.0	45
Napanee	69.0	65	69.2	61	−0.1	46
Chatham	69.0	66	73.1	22	−4.1	79
Trenton	68.9	67	79.0	6	−10.1	90
Orillia	68.9	68	66.7	76	2.2	25
Etobicoke	68.8	69	70.7	43	−2.0	62
Kingston	68.4	70	68.9	63	−0.5	49

Table 2: Hospital Mortality Index—Municipalities (continued)

	2002/05		1997/00		Change	
	Score	Rank	Score	Rank	Score	Rank
Kincardine	68.3	71	—	—	—	—
Wallaceburg	68.0	72	67.4	74	0.6	39
Belleville	68.0	73	69.4	58	−1.4	58
St. Catharine	67.9	74	66.6	78	1.2	33
Caledonia	67.6	75	—	—	—	—
Grimsby	67.5	76	61.7	89	5.8	5
Listowel	67.1	77	—	—	—	—
North York	67.0	78	66.6	79	0.4	41
Niagara Falls	66.9	79	69.3	60	−2.4	67
Tillsonburg	66.5	80	63.8	87	2.8	20
Port Hope	66.5	81	68.0	69	−1.5	60
Strathroy	66.5	82	69.6	53	−3.2	71
St. Thomas	66.4	83	70.0	50	−3.6	74
Midland	66.3	84	67.2	75	−0.9	54
North Bay	66.1	85	64.7	84	1.5	31
Peterborough	65.4	86	69.8	51	−4.5	81
Port Colborne	65.3	87	57.4	93	7.9	2
Downsview	65.2	88	72.9	24	−7.7	89
Markham	64.2	89	70.4	47	−6.3	87
Pembroke	64.1	90	64.7	83	−0.5	53
Fort Erie	64.0	91	67.7	70	−3.7	77
Alliston	63.8	92	65.0	82	−1.1	57
Renfrew	63.2	93	—	—	—	—
Simcoe	63.1	94	66.7	77	−3.6	75
Brockville	62.6	95	—	—	—	—
Collingwood	62.5	96	68.6	64	−6.1	86
Perth	62.3	97	—	—	—	—
Gananoque	61.8	98	67.7	71	−5.9	84
Smiths Falls	61.5	99	57.6	92	3.9	17
Lively	61.2	100	—	—	—	—
Gravenhurst	61.0	101	87.2	1	−26.2	91
Cobourg	60.9	102	64.2	86	−3.3	72
Elliot Lake	58.8	103	59.2	91	−0.4	47
Dunnville	58.8	104	60.9	90	−2.1	66
Elmira	50.2	105	—	—	—	—

- Third-ranked William Osler Health Centre (Brampton) accounts for over 60% of Brampton inpatient stays and Thunder Bay Regional Health Sciences Centre has over 90% of Thunder Bay patient stays. The other larger municipalities have no matching identified hospitals.

#### **Bottom-Ranked Municipalities**

- The lowest-ranked municipality in Ontario is Elmira, with a low HMI score of 50.2 for the most recent period but inadequate data from the late 1990s.
- Most of the bottom-ranked municipalities are small and consistently low ranked over the two time periods. Examples are Dunnville, Elliot Lake, Cobourg, Smiths Falls and Gananoque. One exception is Gravenhurst, which ranked first in the late 1990s and has had a very large 26-point drop in its score from 87.2 to 61.0.
- Larger-population municipalities with low rankings are: Niagara Falls, ranked 79<sup>th</sup>; North Bay, ranked 85<sup>th</sup>; Peterborough, ranked 86<sup>th</sup>; Downsview, ranked 88<sup>th</sup>; and Markham, ranked 89<sup>th</sup>.

#### **Five Largest Municipalities**

- The five largest municipalities in Ontario by number of inpatient stays are: Toronto, ranked 39<sup>th</sup> on the Hospital Mortality Index with a score of 72.1; Ottawa, ranked 33<sup>rd</sup> with a score of 72.8; Mississauga, ranked 29<sup>th</sup> with a score of 73.1; Scarborough, ranked 57<sup>th</sup> with a score of 69.7; and Hamilton, ranked 22<sup>nd</sup> with a score of 73.7.

## **Conclusion**

The Fraser Institute's *Hospital Report Card: Ontario 2006* provides a comprehensive measure of inpatient acute-care conditions in Ontario hospitals. This is the first edition of an annual report card for patients in Ontario. Future editions of The Fraser Institute's *Hospital Report Card* will include performance measurement of acute-care hospitals in other provinces. We welcome comments on the content and format of this report via [<comments@hospitalreportcards.ca>](mailto:comments@hospitalreportcards.ca).

# Introduction and background

The goal of the Fraser Institute's *Hospital Report Card: Ontario 2006* is to contribute to the improvement of inpatient care in Ontario by providing hospital-specific information about quality of service directly to patients and to the general public. This report is the first in Canada to empower patients to make informed choices about their health-care delivery options by providing comparable, hospital-specific, performance measurements on clearly identified indicators. The Fraser Institute's *Hospital Report Card: Ontario 2006* has been published to promote accountability within hospitals, thereby stimulating improved performance through an independent and objective measurement of performance.

## Introduction

In Canada, individuals have access to data identifying problem areas in an automobile from information willingly supplied by consumers, the vehicle's manufacturer, and industry experts. They can find which CD player is the best on the market for their needs. They can compare restaurants before heading out for an evening meal. Yet when it comes to health care, which many will consider more important for an individual's well being, consumers are left with remarkably little information about where the best services are available. They cannot even tell which hospitals offer the worst care or have the highest mortality rates (Esmail, 2003).

## What Are Hospital Report Cards? [1]

Hospital report cards provide a set of consistent performance measurements to rank the products in question and help inform consumer choice. In some cases, these indicators may be subjective, or based on the opinions of survey respondents. In other cases, the indicators will be objective measures of performance or outcomes.

Hospital report cards are used to measure specific practices in hospitals such as the application of a specific drug or technology to certain events; or performance with respect to access to care or consumer friendliness; or to measure the likelihood of a positive outcome provided by health facilities in a specific jurisdiction.

[1] Daniel P. Kessler, Stanford University, Hoover Institution, and the National Bureau of Economic Research, provide a helpful delineation of the field in a PowerPoint® slideshow entitled "Health Care Quality Report Cards."

## The Four Primary Types of Hospital Report Cards

**1 Process Report Cards** This type of report card describes the inputs used by hospitals, health plans or individual physicians in the course of treating their patients. An example of these types of report cards can be found in those commissioned by The Leapfrog Group (Leapfrog Group, 2005). [2] The primary

[2] Further information available at <<http://www.leapfroggroup.org/>>.



strength of a Process Report Card is that it can be developed from existing medical administrative databases with relative ease. The process report card, however, does not necessarily measure the appropriateness, the quality, or the importance of the inputs employed in ensuring good health, although these factors can be captured to some extent by the inclusion or exclusion of specific inputs.

**2 Survey Report Cards** These types of report cards are composed of patients' evaluations of their quality of care and/or customer service. An example of this type of report card is found in the Pacific Business Group on Health's (PBGH) *Healthscope* reports. Although survey-based report cards do provide valuable information on subjective areas of patient care, they cannot measure how treatment decisions by a doctor or hospital lead to objective improvements in patient care.

**3 Outcomes Report Cards** These report cards present average levels of adverse health outcomes based on mortality or complication rates experienced by patients as part of a health plan, as treated by a specific doctor, or in a specific hospital. An example of this type of report card can be found in the *Pennsylvania CABG* surgery reports (Pennsylvania Health Care Cost Containment Council, 2006). [3] These report cards provide objective measures of differences in the quality of care but are susceptible to being "gamed" by either doctors or hospitals. For example, the doctor or hospital may avoid exceptionally sick patients (that is, patients who are qualitatively more ill with a listed condition and who will consequently drag average results down) in favour of healthy patients (to skew results upward). This unintended effect can, however, be mitigated through the appropriate application of risk-adjustment in the measures. Outcomes report cards (including The Fraser Institute's *Hospital Report Card*) provide the most empirically sound basis for analyzing the quality of care.

[3] Further information available at  
<<http://www.phc4.org/reports/cabg/>>.

**4 Balanced Scorecards** The balanced scorecard was developed in the early 1990s by Drs. Robert Kaplan and David Norton to examine a business above and beyond the financial bottom line. Translated into the healthcare field, this results in four quadrants. In the case of the *Ontario Hospital Reports* series, a prime example of the use of a "balanced scorecard," these are [a] financial performance and conditions; [b] patient/client satisfaction; [c] clinical utilization and outcomes; and, [d] system integration and change. While this variant of report card is useful in determining the broadest view of a hospital's operations and functions, specific and relevant indicators regarding hospital performance may be overlooked.

## Why Are Hospital Report Cards Published?

The publication of hospital report cards is based on the concept that publishing outcomes data can both improve the quality of care in hospitals and inform patients' healthcare decision-making. Armed with more information based on a set of repeatable measurements about the relative performance of caregivers, both

patients and physicians are able to make a more informed choice about which facility or provider to select for a given condition. This allows for a rational discussion of relative levels of quality of service provision and eliminates measurement based on anecdotal information, which can be misleading and ultimately harmful.

## Where Are Hospital Report Cards Published?

### The United States of America

The United States was one of the first nations to begin measuring, comparing, and publishing measurements of hospital performance. Hospital report card initiatives were first undertaken by the federal government, with state governments following its lead. Private-sector information providers offering several competing reports on provider quality have refined the reporting of information.

In 1987, the first US hospital report cards were published by the Health Care Financing Administration (HCFA). These reports detailed annual mortality rates that were measured from the records of hospitalized Medicare patients. However, due to extensive criticism regarding the accuracy, usefulness, and interpretability of the HCFA's mortality data, this initiative was withdrawn in 1993 (Berwick and Wald, 1990).

In the late 1980s, the state of New York began the Cardiac Surgery Reporting System (CSRS), which collected data from patients' medical histories and recorded whether they died in hospital following surgery. From these data, New York was able to report detailed physician-specific statistics. While the information contained in the CSRS was not originally intended to provide the public with information about the performance of their provider, the news media understood the public's desire for such data and saw the benefit in publishing the information. In December of 1990, the *New York Times* used this information to publish a list of local hospitals, which ranked facilities according to their mortality rates for Coronary Artery Bypass Surgery (CABG). Invoking the *Freedom of Information Act*, the *New York Newsday* sued the New York State Department of Health to obtain access to its database on bypass surgery and on cardiac surgeons. The goal was to publish physician-specific death rates for patients. The Supreme Court of New York ruled that it was in the public's best interests to have access to these mortality data in order to make informed decisions about their health care (Zinman, 1991). As a result, *New York Newsday* was able to publish the information on physician performance for citizens to assess where the best care was available. Driven by this development, the New York State Department of Health began publishing annual editions of the *Coronary Artery Bypass Surgery Report* in 1996 (New York State, Department of Health, 2005). [4]

Following the precedent set by this pioneering case, a wide variety of hospital performance reports began to be produced in the 1990s by a disparate group of authors that ranged from the news media, coalitions of large employers, consumer advocacy organizations, and state governments (Marshall et al., 2003). Many different development paths have been taken so that there is currently no

[4] Links to the entire series of reports can be found at <[http://www.health.state.ny.us/nysdoh/heart/heart\\_disease.htm](http://www.health.state.ny.us/nysdoh/heart/heart_disease.htm)>.

“standardized” hospital report card or agreement on the indicators to measure. Furthermore, these different reports range widely in terms of both quality and comprehensiveness. Indeed, as Marshall and colleagues cheekily note: “Public reporting in the United States is now much like healthcare delivery in that country: It is diverse, is primarily market-based, and lacks an overarching organizational structure or strategic plan. Public reporting systems vary in what they measure, how they measure it and how (and to whom) it is reported.” [5] Of course, for patients who are the beneficiaries of such competition between information providers, each of whom strives to deliver a product in some way superior to his competitors, this is no bad thing.

[5] Document available at <[www.healthscope.com/viewarticle/452953\\_3](http://www.healthscope.com/viewarticle/452953_3)>.

### American Private and Public Information Providers

- [1] America’s Best Hospitals—USNEWS & World Report <<http://www.usnews.com>>.
- [2] Healthgrades <<http://www.healthgrades.com>>
- [3] Leapfrog Group <<http://www.leapfroggroup.org>>
- [4] National Committee for Quality Assurance (NCQA) <<http://www.ncqa.org>>
- [5] National Quality Forum <<http://www.qualityforum.org>>
- [6] Quality Check <<http://www.jointcommission.org/PerformanceMeasurement/PerformanceMeasurement/>>
- [7] Cardiac Surgery in New Jersey <<http://www.state.nj.us/health/reportcards.htm>>
- [8] Cardiac Surgery Reports <<http://www.health.state.ny.us/nysdoh/healthinfo/index.htm>>
- [9] Pennsylvania Hospital Performance Reports <<http://www.phc4.org>>
- [10] Indicators of Inpatient Care in New York Hospitals <<http://www.myhealthfinder.com/newyork>>
- [11] Indicators of Inpatient Care in Texas Hospitals <<http://www.thcic.state.tx.us>>
- [12] Maryland Hospital Performance Evaluation Guide <<http://www.hospitalguide.mhcc.metro-data.com>>
- [13] Pacific Business Group on Health (PBGH) <<http://www.healthscope.org>>.

### The United Kingdom

The hospital reporting universe in the United Kingdom is a fraction of the US market’s size. League tables [6] of death rates for English hospitals were available from 1992 to 1996 (Leyland and Boddy, 1998) and mortality statistics for English hospitals were published by the Labour government in 1998. Although publicly released, these were intended for managerial use and had little discernible impact (Street, 2002). The first initiative designed for public consumption was the Patient’s Charter (National Health Service, 1991), [7] which focused on waiting times as opposed to clinical quality.

[6] A league table ranks the performance of a range of institutions.

[7] Further information can be found at <<http://www.pfc.org.uk/medical/pchrt-e1.htm#foreword>>.

In 1998, the National Health Service (NHS, Britain’s tax-funded and universal medical insurance program) adopted a new Performance Assessment Framework (PAF) to report clinical outcomes at the hospital level (London: Department of Health, 1998). It focused on health gain, fair access, effective delivery of services, efficient delivery of services, health outcomes, and patient/career experience. This initiative received prominence in 2001 as the NHS Plan became the

first government plan in the developed world to deal explicitly with report cards. Beginning in September 2001, the UK Department of Health began to publish a new rating system for all NHS non-specialist hospitals in England. The performance of hospitals included in this survey was classified into one of four categories, ranging from zero to three stars based on the hospital's performance on a range of indicators and the outcome of their clinical governance review by the Commission for Health Improvement (CHI). As an additional incentive for improvement, beyond that assumed to come with public reporting of performance, the Department of Health mandated that hospitals scoring at the high end of the scale would receive greater funding and autonomy, while those at the bottom of the scale would be subject to greater government oversight and intervention. For example, those receiving zero stars were subject to investigations and underwent changes in management where necessary.

Although the lion's share of reporting in Britain has been by and at the direction of government, an independent initiative entered the arena in the latter half of 2000 when Tim Kelsey and Jake Arnold-Forster, a pair of *Sunday Times* journalists, founded Dr. Foster to generate authoritative independent information about local health services on the web at <<http://www.drfooster.co.uk>>. The partnership is in the form of a 50:50 joint venture involving the new Health and Social Care Information Centre (a special health authority of the NHS) and Dr. Foster, a commercial provider of healthcare information. Numerous publications have emerged from this initiative including the *Good Birth Guide* and the annual *Good Hospital Guide*, which was first published in 2001 and continues to be published annually. These guides contain information about hospital-specific mortality rates; the total number of staff; wait times; numbers of complaints; as well as, uniquely, private hospital prices for services.

## Canada

Hospital reporting initiatives, like those in both the United States and the United Kingdom, have emerged in Canada only recently. Only one instance of such reporting in Canada has thus far had a large, regional presence in full public view.

In 1998, the Ontario Hospital Association produced a report card comparing the hospitals covered by its organization. Undertaken by a research group at the University of Toronto, the publication focused upon inpatient acute care and reported results at both peer group and regional levels of aggregation, but not for individual facilities. *Hospital Report '99*, published the following year, saw the first reporting of hospital-specific acute-care hospital performance indicators in Canada. In 2000, the Government of Ontario joined as a partner in the enterprise and the scope of the report was expanded to include such areas as complex continuing care, mental health, rehabilitation, and emergency department care. In addition, specific reports dealing with women's health, the health of the population as a whole, and nursing care were also produced. These publications have since appeared annually and currently constitute the standard-bearer for hospital reporting in Canada. The Hospital Report Series appears in a "balanced scorecard" format and assesses the performance of hospitals in four quadrants including:

[a] financial performance and conditions; [b] patient/client satisfaction; [c] clinical utilization and outcomes; and [d] system integration and change.

Other notable reporting initiatives in Canada include *Healthcare Performance Measurement in Canada: Who's Doing What?* (Baker et al., 1998), *Quality of Cardiac Care in Ontario* (ICES, 2004) [8] and *The State of Hospital Care in the GTA/905* (GTA/905 Healthcare Alliance, 2005). [9] Additionally, two publications that have reported on patient safety and adverse events are *The Ottawa Hospital Patient Safety Study* (Forster et al., 2004) [10] and *The Canadian Adverse Events Study* (Baker et al., 2004), though neither reported institution-specific measures. [11] Additionally, for the last 15 years, The Fraser Institute has published *Waiting Your Turn: Hospital Waiting lists in Canada*, a report that provides Canada's only national, comparable, and comprehensive measurement of waiting times for medically necessary treatment (Esmail and Walker, 2005). [12] Another Fraser Institute initiative is *How Good is Canadian Health Care? An International Comparison of Health Care Systems* (Esmail and Walker, 2005) [13], which compares Canada's health policies and healthcare performance with other nations that guarantee their citizens access to healthcare insurance.

Other avenues of hospital performance reporting and monitoring in Canada have largely been in the form of private hospital assessments of performance by a contracted third party using a proprietary performance indicator methodology. A prime example of this is the work done by the Hay Group in rating the performance of participating Ontario hospitals for a fixed fee per facility (Hay Group, 2005).

## What Are the Measurable Impacts of Patient Safety and Hospital Report Cards?

In the United States, hospital report cards have had a number of measurable impacts on performance and the quality of patient care. The first and most notable example came from the *New York State Cardiac Surgery Report*. Hannen et al. (1994) reported an associated 41% decline in the risk-adjusted mortality rate of Coronary Artery Bypass Graft patients with the publication of these outcomes statistics and data. A similar overall trend was experienced in Pennsylvania and New Jersey following the publication of their report cards. [14]

These findings have also created controversy about the Cardiac Surgery Reporting System, the database used to create the New York State Surgery Report. Critics have raised pertinent questions regarding "up-coding" [15] and the possibility that hospitals have decided not to operate on some complex and critically ill patients and have referred such complex cases to out-of-state jurisdictions (McKee and Healy, 2000). In contrast, using data from the *Cardiac Surgery Reporting System Report* (CSRS) for the period from 1991 to 1999, researchers at the National Bureau of Economic Research found that the reporting program had an impact on the volume of cases and the future quality at hospitals identified as poor performers. Those identified as weaker hospitals lost some relatively healthy patients to competing facilities with better records. Subsequently, these "weaker" hospitals experienced a decline of 10% in the number of patients during the first 12 months after

[8] Report available at <[http://www.ices.on.ca/WebBuild/site/ices-internet-upload/file\\_collection/Ccort%5FFull%5FReport%2Epdf](http://www.ices.on.ca/WebBuild/site/ices-internet-upload/file_collection/Ccort%5FFull%5FReport%2Epdf)>.

[9] Further details available at <<http://www.gta905health.com/mediaroom/2005-may3.html>>. Report available at <<http://www.gta905health.com/whatsnew/gta905-hospitalreport.pdf>>.

[10] Article available at <<http://www.pubmedcentral.gov/articlerender.fcgi?tool=pubmed&pubmedid=15078845>>. Also, the Manitoba Center for Health Policy recently released an in-hospital patient safety report using the AHRQ Patient Safety Indicators (Bruce et al., 2006).

[11] Article available at <<http://www.cmaj.ca/cgi/content/full/170/11/1678>>.

[12] Report available at <<http://www.fraserinstitute.ca/shared/readmore.asp?sNav=pb&id=801>>.

[13] Report available at <<http://www.fraserinstitute.ca/shared/readmore.asp?sNav=pb&id=782>>.

[14] For Pennsylvania data, see *Cardiac Care: Pennsylvania's Guide to Coronary Artery Bypass Graft Surgery 1994-1995*, <<http://www.phc4.org/reports/cabg9495/default.htm>> (April 2, 2002). For New Jersey data, see *Cardiac Surgery in New Jersey: Technical Report*, <[http://www.state.nj.us/health/hcsa/cabgs01/cabg\\_technical01.pdf](http://www.state.nj.us/health/hcsa/cabgs01/cabg_technical01.pdf)> (April 2, 2002). For the northern New England initiative, see G.T. O'Connor et al., "A Regional Intervention to Improve the Hospital Mortality Associated with Coronary."

[15] "Up-coding" is a term used to describe when financial incentives cause a physician or hospital to exaggerate or falsely represent patients' medical conditions and services provided in order to increase payment received from the government.



an initial report, and this decrease remained in place for three years. Consequently, patients choosing these hospitals demonstrated a decrease in their risk-adjusted mortality rate by approximately 1.2 percentage points (Cutler et al., 2004). [16]

Though subject to a number of caveats regarding the design and structure, report cards have had a beneficial impact on the quality of healthcare delivery in those regions where they are published.

## The Fraser Institute's *Hospital Report Card*

The primary focus of this project was the construction of a patient-friendly hospital and patient-care report card focused on clinical outcomes. The report itself includes information about all health facilities treating patients through the Ontario Health Insurance Program, 43 of which (out of a total of 136) are identified in the report. [17] The report is built on a recognized hospital report card methodology from the Agency for Healthcare Research & Quality (AHRQ) in the United States and is used in more than 12 US States including New York, Texas, Colorado, [18] California, Florida, Kentucky, Maryland, Minnesota, New Jersey, Oregon, Utah, Vermont, and parts of Wisconsin.

### 1 What Are the AHRQ Inpatient Quality and Patient Safety Indicators?

The first stage of the research process in producing this report was to acquire or create a methodology that was reliable, easily understood by the public and participants, and that produced an accurate measurement of provider performance. An initial period of examining performance indicator frameworks from earlier literature on hospital report cards provided a number of different examples of accepted and proven methodologies that were not otherwise proprietary information and thus could be employed by The Fraser Institute. [19] The search also turned up methodologies that, though available, would be less effective in providing a patient-friendly clinical outcomes-focused hospital report card.

Further examination of these available methodologies led to the selection of the performance indicator framework developed by AHRQ in the United States. [20] AHRQ's indicator modules were chosen because they represent a comprehensive set of indicators that are widely used, highly regarded, and applicable to any hospital inpatient administrative data. They are readily available and relatively inexpensive to use. Importantly, they comprise an ideal set of indicators to allow a patient-friendly, clinical outcomes-focused, hospital-specific patient care report card.

The AHRQ indicators date from the mid-1990s when AHRQ developed a set of quality measures, or indicators, that required only the information found in routine hospital administrative data: diagnoses and procedures codes, patient age, gender, other basic demographic and personal information, source of admission, and discharge status. These indicators, 33 in all, made up the Healthcare Cost and Utilization Project (HCUP) Quality Indicators, designed to be used by hospitals to assess their inpatient quality of care as well as by the State and community to assess access to primary care. [21] Although they could not be used to provide

[16] <<http://papers.nber.org/papers/w10489>>.

[17] These facilities voluntarily participated in this project. Other facilities in Ontario either declined or offered no response to our requests for participation/identification.

[18] New York <<http://www.myhealthfinder.com/newyork05/glancechoose.htm>>; Texas <<http://www.dshs.state.tx.us/THCIC/Publications/Hospitals/IQIR-report2003/IQIRreport2003.shtm>>; Colorado <<http://www.hospitalquality.org>>.

[19] For a clear example of how individual report card methodologies are proprietary, please refer to Healthgrades user agreement at <<http://www.healthgrades.com/aboutus/index.cfm?fuseaction=modnw&modtype=content&modact=UserAgreement>>.

[20] An agency of the US federal government's Department of Health and Human Services.

[21] Further information regarding the HCUP Quality Indicators can be found at <[http://www.qualityindicators.ahrq.gov/hcup\\_archive.htm](http://www.qualityindicators.ahrq.gov/hcup_archive.htm)>.



definitive measures of the quality of health care directly, they are used to provide indicators of healthcare quality. They serve as the basis for subsequent in-depth investigation of issues of quality and patient safety at the facility level.

In the years following the release of the HCUP, both the knowledge base regarding quality indicators increased and newer risk adjustment methods developed. Following input from then-current users, as well as advances in the specific indicators themselves, AHRQ underwrote a project to develop and further refine the original Quality Indicators. This project was undertaken by the University of California San Francisco-Stanford Evidence-based Practice Centre. The results of this research were the AHRQ Quality Indicators, which are currently used to measure hospital performance in more than 12 US States including New York, Texas, Colorado, California, Florida, Kentucky, Maryland, Minnesota, New Jersey, Oregon, Utah, Vermont and parts of Wisconsin.

### AHRQ indicators Are Organized in Four Modules [22]

**[1] Prevention Quality Indicators (PQIs) [23]** Consisting of ambulatory care sensitive conditions, these indicators pertain to hospital admissions that could have been prevented via high-quality outpatient care.

**[2] Inpatient Quality Indicators (IQIs)** These indicators reflect the quality of care inside hospitals and include such items as inpatient mortality; the utilization of procedures where there are questions of misuse, overuse, or underuse; and volume of procedures from which evidence shows that a higher volume of procedures is associated with a lower rate of mortality.

**[3] Patient Safety Indicators (PSIs)** These indicators focus upon preventable instances of harm to patients such as complications arising from surgery and other iatrogenic [24] events.

**[4] Pediatric Quality Indicators (PDIs) [25]** These indicators examine the quality of pediatric inpatient care, as well as the quality of outpatient care that can be inferred from inpatient data, such as potentially preventable hospitalizations. [26]

The Fraser Institute's *Hospital Report Card* uses the IQI and PSI indicators; it is made up of 50 of the 63 available indicators in these categories [27]. These two modules were chosen because of their widespread use and high quality record.

The AHRQ indicator modules are designed to be used with data from administrative databases in the United States, which themselves are primarily used by hospitals for billing purposes. This type of record, referred to as "administrative data" consists of diagnoses and procedures codes along with information about a patient's age, gender, and discharge status. The Canadian counterpart is the Canadian Institute for Health Information's Discharge Abstract Database (DAD), which contains demographic, personal, administrative, and clinical data for hospital discharges (inpatient acute, chronic, rehabilitation) and day surgeries.

[22] The Fraser Institute's *Hospital Report Card* is composed of 50 indicators from the quality and safety modules of the AHRQ system (see Appendix E for a list of all indicators used in this report).

[23] The PQIs identify the quality of care for ambulatory care-sensitive conditions and are measures of the overall health-care system. Since the *Hospital Report Card* was designed to analyze the care inside acute-care hospitals, the PQIs were omitted from this report.

[24] An iatrogenic event is one that is inadvertently caused by a physician, a medical/surgical treatment, or a diagnostic procedure.

[25] The PDI module became available in February 2006 and was therefore not used in the *Hospital Report Card*.

[26] For details, please see <[http://www.qualityindicators.ahrq.gov/pdi\\_download.htm](http://www.qualityindicators.ahrq.gov/pdi_download.htm)>.

[27] Intrinsic differences between the ICD9/CCP and ICD10CA/CCI resulted in several indicators being reported in either data coded in ICD9/CCP (DAD data from FY1997 to FY2001) or data coded in ICD10CA/CCI (DAD data from FY2002 to FY2004), but not both (see Appendix G for details).

The indicators in The Fraser Institute's *Hospital Report Card* analyze over 8.5 million patient records extracted from the DAD for the period of fiscal years 1997/98 to 2004/05. The data are also risk-adjusted using the 3M™ All Patient Refined™ DRG (APR™-DRG) software, commonly recognized to be the gold-standard system for risk-adjusting hospital data [28]. The AHRQ IQIs were in fact designed to be used in conjunction with 3M™ All Patient Refined Diagnosis Related Groups™ (APR™-DRG) software, which risk adjusts the IQIs for patients' clinical conditions and severity of illness or risk of mortality.

Participation in the report card project was not mandatory for hospitals in Ontario. Of Ontario's 136 acute care facilities, 43 hospitals, representing 457,409 inpatient records or 41% of inpatient records in Ontario (in Fiscal 2004/05), agreed to have their institution identified (see Appendix D for a list of participating institutions).

Since this report is based on administrative data, the results have limitations. Coding variations exist among hospitals and codes do not always provide specific details about a patient's condition at the time of admission or capture all that occurs during hospitalization. For these reasons, individual judgment often is required while reviewing the results from this report.

When reviewing mortality or other quality and patient safety measures, remember that medicine is not an exact science and death or complications will occur even when all standards of care are followed. Deciding on treatment options and choosing a hospital are decisions that should be made in consultation with a physician. It is not recommended to choose a hospital based solely on statistics and descriptions such as those given in this report.

## 2 Data Quality

CIHI's Discharge Abstract Database (DAD) contains information on hospital stays in Canada. Various CIHI publications note that the DAD is used extensively by a variety of stakeholder groups to monitor the use of acute-care health services, conduct analyses of health conditions and injuries, and increasingly to track patient outcomes. [29] The DAD is a major data source used to produce various CIHI reports, including annual reports on the performance of the health care system and for seven of the health indicators adopted by the federal, provincial, and territorial governments. [30] These data have been used extensively in previous reports on health-care performance and form the basis for many journal articles. [31]

As the *Hospital Report 2006: Acute Care* notes, [32] using the same DAD data set underlying this report card, "the data are collected under consistent guidelines, by trained abstractors, in all acute care hospitals in Ontario. The data undergo extensive edit checks to improve accuracy, but all errors cannot be eliminated" (p. 6). However, in order to produce good information about data quality, CIHI established a comprehensive and systematic data-quality program, whose framework involves 24 characteristics relating to five data quality dimensions of accuracy, timeliness, relevance, comparability, and usability. [33]

[28] For further details, please refer to Appendix B and <[http://www.3m.com/us/healthcare/his/products/coding/refined\\_drg.jhtml](http://www.3m.com/us/healthcare/his/products/coding/refined_drg.jhtml)>.

[29] DAD Data Quality Reabstraction study. Combined findings for FY 1999/2000 and 2000/2001. Dec 2002.

[30] DAD Data Quality Reabstraction study. Combined findings for FY 1999/2000 and 2000/2001. Dec 2002.

[31] A joint initiative of the Ontario Hospital Association and the Government of Ontario. *Hospital Report 2006: Acute care*. <[http://www.hospitalreport.ca/downloads/2006/AC/acute\\_report\\_2006.pdf](http://www.hospitalreport.ca/downloads/2006/AC/acute_report_2006.pdf)>.

[32] A joint initiative of the Ontario Hospital Association and the Government of Ontario. *Hospital Report 2006: Acute care*. <[http://www.hospitalreport.ca/downloads/2006/AC/acute\\_report\\_2006.pdf](http://www.hospitalreport.ca/downloads/2006/AC/acute_report_2006.pdf)>.

[33] The CIHI Data Quality Framework. June 2005 Revision.

There have been reports on data quality that we have assessed, including up-coding allegations in Ontario but those applied to information earlier in our dataset. We also considered the effect that SARS could have on the results, as 44 patients died in Ontario from SARS between February and July 2003 and hospital operations were affected. However, we note that the median HMI score rose by 6.6 points in 2003 and dropped by 6.5 points in 2004, leaving the score virtually unchanged between 2002 and 2004 at 71.3. It is difficult to discern a SARS effect in these data, something supported by recent research at ICES in Toronto. [34]

There are a number of publications that have addressed data-quality issues, which are discussed in our report. Of note are CIHI's reabstraction studies that go back to the original patient charts and recode the information using a different set of expert coders. [35]

The reabstraction studies note the following rates of agreement between what was initially coded compared to what was coded on reabstraction:

- a) non-medical data: 96%–100%
- b) selection of intervention codes (procedure codes): 90%–95%
- c) selection of diagnosis codes: 83%–94%
- d) selection of most responsible diagnosis: 89%–92%
- e) typing of co-morbidities: pre-admit: 47%–69%; post-admit: 51%–69%
- f) diagnosis typing (which indicates the relationship of the diagnosis to the patient's stay in hospital) continues to present a problem; discrepancy rates have not diminished with adoption of ICD-10-CA.

The coding issues in points (e) and (f) do not affect our results since the most responsible diagnosis is coded with a high degree of agreement and the AHRQ indicators do not discriminate among diagnosis types. Overall, when the rates of agreement in the third year of this reabstraction study (performed on data coded in ICD-10-CA) were compared to the rates of agreement of the previous years' data (coded in ICD-9-CCP), the rates were as well as, or better than, the rates in ICD-10-CA.

However, with regard to the coding of pneumonia, a potential data quality issue exists because some reabstraction coders selected pneumonia instead of COPD as the most responsible diagnosis. [36] This could potentially create false positive results for Pneumonia mortality rate (IQI 20) since this indicator counts deaths due to pneumonia in situations where the primary diagnosis is a pneumonia diagnosis code. We have noted this proviso in our report.

With respect to specific conditions related to the health indicators examined, those that are procedure driven (i.e. cesarean section, CABG, and total knee replacement) were coded well with low discrepancy rates. The following had less than a 5% rate of discrepancy: C section, CABG, hysterectomy, total knee replacement, VBAC, and total hip replacement. The following had greater than a 5% discrepancy: AMI (8.9%), hip fracture (6.0%), hospitalization due to pneumonia and influenza (6.9%), and injury hospitalization (5.3%). [37]

[34] *Research Utilization of Ontario's Health System during the 2003 SARS Outbreak. ICES 2004.* Report available at <[http://www.ices.on.ca/file/SARS\\_report.pdf](http://www.ices.on.ca/file/SARS_report.pdf)>.

[35] Reabstractors participating in the study were required to have several years of coding experience, experience coding in ICD-10-CA and CCI in particular, experience coding at a tertiary care centre, and attendance at specific CIHI educational workshops. They were also required to attend a one-week training session and to receive a passing score on the inter-rater test.

[36] Canadian Coding Standards for ICD-10-CA and CCI 2004.

[37] DAD Data Quality Reabstraction study. Combined findings for FY 1999/2000 and 2000/2001. Dec 2002.

Discrepancy rates were noted in conditions that are diagnosis driven: AMI [38], stroke, pneumonia, and COPD [39] (as described above). Only the pneumonia codes are potentially affected in our report.

Overall, according to CIHI, findings from their three-year DAD reabstraction studies “have confirmed the strengths of the database, while identifying limitations in certain areas resulting from inconsistencies in the coding of some data elements.” [40] In addition, the findings from the inter-rater data (that is, comparison between reabstractors) were generally similar to the findings from the main study data (that is, comparison between original coder and reabstractor). This suggests that the database is coded as well as can be expected using existing approaches in the hospital system. In addition to the aforementioned reabstraction studies, the OECD published a report [41] in support of the AHRQ patient safety indicator modules noting that “this set of measures represents an exciting development and their use should be tested in a variety of countries” (p. 11). Further, a recently released report by the Manitoba Center for Health Policy that used the AHRQ Patient Safety Indicators [42] noted two important advantages to using the AHRQ module. The first advantage is the breadth of coverage offered by the indicators in studying in-hospital patient safety. The second is that the AHRQ patient-safety indicators were developed to measure complications of hospital-based care among a group of patients for whom the complications seemed preventable or highly unlikely.

[38] DAD Data Quality, Reabstraction Study Combined finding for Fiscal Years 1999/2000 and 2000/2001. CIHI 2002, pg 8.

[39] Data Quality of the DAD following the First year implementation of ICD-10-CA/CCI. September 2004.

[40] Data Quality of the DAD following the First year implementation of ICD10CA/CCI. September 2004: p.41.

[41] John Millar, Soeren Mattke, and the Members of the OECD Patient Safety Panel. *Selecting Indicators for Patient Safety at the Health Systems Level in OECD Countries*. <<http://www.oecd.org/dataoecd/53/26/33878001.pdf>>.

[42] Bruce et al., 2006.

## References

Baker, G.R., et al. (1998-99). “Healthcare Performance Measurement in Canada: Who’s Doing What?” *Hospital Quarterly* 2 (2): 22–26.

Baker, G.R., et al. (2004). “The Canadian Adverse Events Study: The Incidence of Adverse Events among Hospital Patients in Canada.” *Canadian Medical Association Journal* 170 (11) (May).

Berwick, D.M., and D.L. Wald (1990). “Hospital Leaders’ Opinions of the HCFA Mortality Data.” *JAMA* 263 (2): 247–49.

Bruce, S., et al. (2006). *Application of Patient Safety Indicators in Manitoba: A First Look*. Manitoba Centre for Health Policy.

Cutler, D.M., et al. (2004). “The Role of Information in Medical Markets: An Analysis of Publicly Reported Outcomes in Cardiac Surgery.” Working Paper No. 10489 (May). National Bureau of Economic Research.

Esmail, Nadeem (2003). “Health Information in Hiding.” *Fraser Forum* (May): 12–13.

Esmail, Nadeem, and Michael Walker (2005). *How Good Is Canadian Health Care? 2005 Report. An International Comparison of Health Care Systems*. Vancouver: The Fraser Institute.

Esmail, Nadeem, and Michael Walker (2005). *Waiting Your Turn: Hospital Waiting Lists in Canada, 15<sup>th</sup> Edition*. Vancouver: The Fraser Institute.

Forster, A.J., et al. (2004). "Ottawa Hospital Patient Safety Study: Incidence and Timing of Adverse Events in Patients Admitted to a Canadian Teaching Hospital." *Canadian Medical Association Journal* 170 (8) (April).

Hannan, E.L., et al. (1994). "Improving the Outcomes of Coronary Bypass Surgery in New York State." *JAMA* 271: 761–66.

Hay Group (2005). *Annual Benchmarking Comparison of Canadian Hospitals*. The Hay Group and The Canadian Institute for Health Information. <<http://www.haygroup.ca/services/Benchmarking%20Health/2005/CIHI%202005%20C.pdf>>.

Leyland, A.H., and F.A Boddy (1998). "League Tables and Acute Myocardial Infarction." *Lancet* 351 (9102): 555–58.

London Department of Health (1998). "A First Class Service, Quality in the NHS."

London Department of Health (1999). "The NHS Performance Assessment Framework."

Marshall, M.N., et al. (2003). "Public Reporting on Quality in the United States and the United Kingdom." *Health Affairs* (May/June): 136.

McKee, M., and J. Healy (2000). "Monitoring Hospital Performance." *Euro Observer* 2 (2): 2.

National Health Service (1991). "The Patient's Charter." <<http://www.pfc.org.uk/medical/pchrt-el.htm#foreword>>.

New York State Department of Health (2005). "Adult Cardiac Surgery in New State 2001–2003." October 2005. <[http://www.nyhealth.gov/nysdoh/heart/pdf/2001-2003\\_cabg.pdf](http://www.nyhealth.gov/nysdoh/heart/pdf/2001-2003_cabg.pdf)>.

Street, A. (2002). "The Resurrection of Hospital Mortality Statistics in England." *Journal of Health Services Research and Policy* 2: 104–10.

Woodward, Graham, Thérèse Stukel, Michael Schull, Nadia Gunraj, and Andreas Laupacis (2004). *Utilization of Ontario's Health System During the 2003 SARS Outbreak*. An ICES Investigative Report (May). Institute for Clinical Evaluative Sciences (ICES).

Zinman, D. (1991). "Heart Surgeons Rated. State Reveals Patient-mortality Records." *Newsday* (Dec): 34.



# Methodology Overview

All hospital data used in The Fraser Institute's *Hospital Report Card: Ontario 2006* are from the Discharge Abstract Database (DAD) that was purchased from the Canadian Institute for Health Information (CIHI). The DAD is an administrative database containing demographic, administrative, and clinical data for hospital discharges (inpatient acute, chronic, rehabilitation) and day surgeries. Only inpatient acute records were used in this report (see Appendix A for details on which DAD data fields were used).

CIHI is unable to release the identity of specific institutions in DAD data releases unless those institutions have explicitly granted permission to the researchers requesting the data. Of Ontario's 136 acute care hospitals, 43 (representing 457,409 inpatient records or 41% of inpatient records in the Ontario in 2004/05) voluntarily granted The Fraser Institute authorization to identify their institution-specific discharge data in the DAD for the years from 1997/98 through 2004/05 comprising 8,588,784 patient records (see Appendix D for a list of participating institutions).

These records were then grouped into diagnosis-related groups (DRGs) using The Centers for Medicare and Medicaid Services (CMS) Diagnosis Related Groups (DRG) Grouper software. The program sorts patients' records into groups that are expected to have similar hospital resource use. The groupings are based on information extracted from diagnosis and procedure codes as well as the patients' age, sex, and the presence of complications or co-morbidities (see Appendix B for details). [1]

Since more specialized hospitals may treat more high-risk patients and some patients arrive at hospitals sicker than others, it is difficult to compare hospital mortality and utilization rates for patients with the same condition but a different health status. In order to compensate for this potential difference in hospital case mix, the international standard for risk adjustment, developed by 3M Corporation (for information, see <[http://www.3m.com/us/healthcare/his/products/coding/refined\\_drg.jhtml](http://www.3m.com/us/healthcare/his/products/coding/refined_drg.jhtml)>), was employed to risk-adjust the data. This was done to ensure that a hospital's final score reflected the performance grading that the hospital would have received if it had provided services to patients with the average mix of medical complications (see Appendix B for details).

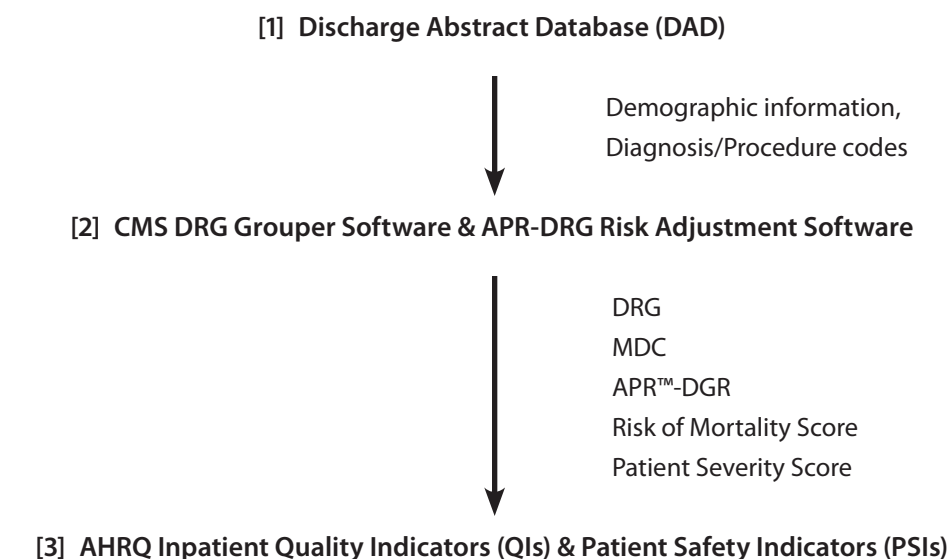
The final step in the methodology was to produce separate indicators for hospital performance based on the methodology developed by the Agency for Healthcare Research and Quality's (AHRQ) Evidence-Based Practice Center (EPC) at the University of California San Francisco-Stanford [2] (for information, see <<http://www.qualityindicators.ahrq.gov/>>; see Appendix C for details). AHRQ's indicator modules use readily available discharge data and were chosen because they have been demonstrated to be a concise and effective tool by which to inform patients' decision-making about their health care. They are currently used to measure hospital performance in more than 12 US states including New York, Texas, Colorado, California, Florida, Kentucky, Maryland, Minnesota, New Jersey, Oregon, Utah, Vermont and parts of Wisconsin. Figure 1 shows a graphical representation of the methodology.

[1] In order to use the Centers for Medicare and Medicaid Services (CMS) - and All Patient Refined-Diagnosis Related Groups (APR™-DRG) Groupers as well as the Agency for Healthcare Research and Quality (AHRQ) Inpatient Quality Indicators (IQI) and Patient Safety Indicators (PSI) modules, the diagnosis and procedure codes had to be translated from ICD9/CCP (the *International Statistical Classification of Diseases, Injuries, and Causes of Death, Ninth Revision* [ICD-9] and the *Canadian Classification of Diagnostic, Therapeutic, and Surgical Procedures* [CCP]) (data from 1997/98 to 2001/02) or ICD10CA/CCI (ICD-10-CA is an enhanced version of ICD-10 developed by CIHI for morbidity classification in Canada; the companion classification to ICD-10-CA for coding procedures in Canada is CCI) (data from 2002/03 to 2004/05) to ICD-9-CM. Please see Appendix J for details.

[2] The AHRQ Quality Indicators were developed in response to the need for both multidimensional and accessible quality indicators. They include a family of measures that patients, providers, policymakers and researchers can use with easily accessible inpatient data to identify apparent variations in the quality of inpatient care.



Figure 1: Methodology Overview



The Fraser Institute's *Hospital Report Card: Ontario 2006* comprises 50 indicators [3] of the quality of inpatient care and patient safety (for a list of all indicators used in the report, see Appendix E).

Inpatient Quality Indicators (IQIs) reflect the quality of care inside hospitals and include mortality rates, the utilization of procedures (where there are questions of misuse, overuse, or underuse), and volume of procedures (for which evidence shows that a higher volume of procedures is associated with a lower rate of mortality).

Patient Safety Indicators (PSIs) focus on preventable complications acquired while in hospital, as well as adverse events following surgeries, procedures, and childbirth.

The indicators are expressed as observed rates (which are raw measures) and risk adjusted rates (incorporating patient severity and risk of mortality scores from the 3M™ software described above). IQI rates are expressed as rates per hundred patients while PSI rates are expressed per thousand. Each institution was also given a score from 0 to 100 for each indicator based on its risk-adjusted rate and was then ranked based on their scores (see Appendix F for details on calculating scores and ranks). [4]

A Hospital Mortality Index (HMI) was constructed to examine the overall performance of a hospital or municipality across mortality indicators. It consists of eight mortality indicators from 1997/98 to 2001/02 and nine mortality indicators from 2002/03 to 2004/05: [5] *hip replacement mortality* (IQI 14), *acute myocardial infarction mortality* (only included from 2002/03 to 2004/05) (IQI 15), *congestive heart failure mortality* (IQI 16), *acute stroke mortality* (IQI 17), *gastrointestinal hemorrhage mortality* (IQI 18), *hip fracture mortality* (IQI 19), *pneumonia mortality* (IQI 20), *low mortality DRGs* (PSI 2) and *failure to rescue rates* (PSI 4). The final HMI index score is based on an equal-weight construct of the separate indicators. For an indicator to be included in the HMI, hospitals representing at

[3] Intrinsic differences between the ICD9/CCP and ICD10CA/CCI resulted in several indicators being reported on in either data coded in ICD9/CCP (DAD data from FY1997 to FY2001) or data coded in ICD10CA/CCI (DAD data from FY2002 to FY2004), but not both (see Appendix G for details).

[4] Ranks are not used for comparisons of hospitals across indicators as they are based on a varying number of hospitals. It is advisable to rely on the scores (as in the HMI) to examine the overall performance of a hospital across indicators. The HMI also has a fairly large number of hospitals so any bias is insignificant.

[5] Intrinsic differences between the ICD9/CCP and ICD10CA/CCI resulted in several indicators being reported on in either data coded in ICD9/CCP (DAD data from FY1997 to FY2001) or data coded in ICD10CA/CCI (DAD data from FY2002 to FY2004), but not both (see Appendix G for details).

least 75% of the patient sample for that year had to have measured data in order to ensure an adequate number of hospitals for comparison. For example, in 1997/98 an indicator had to contain at least 877,410 records in order to be included in the HMI. [6] All institutions were ranked based on their HMI score, where the highest rank (1) corresponds to the highest score out of 100 (for details on calculating scores, ranks, the HMI, and rank of the HMI, please see Appendix F).

[6] The total number of patient records in 1997/98 was 1,161,352.

Several measures were taken in order to protect patient confidentiality. First, patient identifiers such as patients' names and addresses were removed prior to The Fraser Institute accessing the dataset. Also, postal codes were truncated to Forward Sortation Areas (FSAs) and grouped into municipalities in order to assess and compare care received by patients from those jurisdictions (please see Appendix H for details). Furthermore, results were omitted from publication if the patient population in any given indicator was less than, or equal to, 5 in any institution and/or municipality.

## Legend for Sample Table

Use the sample table and the explanations below to help you understand how each indicator is displayed in the data tables of the *Hospital Report Card: Ontario 2006*.

[A] The name of the Agency for Healthcare Research and Quality's (AHRQ) In-patient Quality Indicator (IQI) or Patient Safety Indicator (PSI). [7]

[7] Please see Appendix E for a complete list of the indicators used in the *Hospital Report Card*.

[B] All indicators were expressed as:

[a] an Observed Rate (which are raw measures)

[b] a Risk Adjusted Rate (incorporating patient severity and risk of mortality scores from 3M™ All Patient Refined Diagnosis Related Groups [APR™-DRG] Software) [8]

[8] Please see Appendix B for details.

[c] a Score [9]

[9] Please see Appendix F for details on calculating scores, ranks, HMI, and rank of the HMI.

[d] a Rank

Two additional measures were calculated to examine the overall performance of a hospital or municipality across mortality indicators: a Hospital Mortality Index (HMI) and a Rank of the Hospital Mortality Index.

[C] Indicators are stratified by Institution [10] and by Municipality. [11]

[10] Please see Appendix D for a list of participating institutions.

[D] All IQIs are expressed as percent. PSIs are expressed per thousand.

[11] Postal Codes were truncated to Forward Sortation Areas (FSAs) before The Fraser Institute accessed the dataset. All patient FSAs were grouped into corresponding municipalities as described by Canada Post. Please see Appendix H for details.

[E] All data used in the *Hospital Report Card* were extracted from the Discharge Abstract Database (DAD), which was purchased from CIHI for the period from Fiscal 1997 (April 1, 1997 to March 31, 1998) to Fiscal 2004 (April 1, 2004 to March 31, 2005 ).

[F] This line indicates that it is not possible to compare data from 1997/98–2001/02 and 2002/03–2004/05 because of the change in coding classification from ICD9/CCP to ICD10CA in 2002/03.

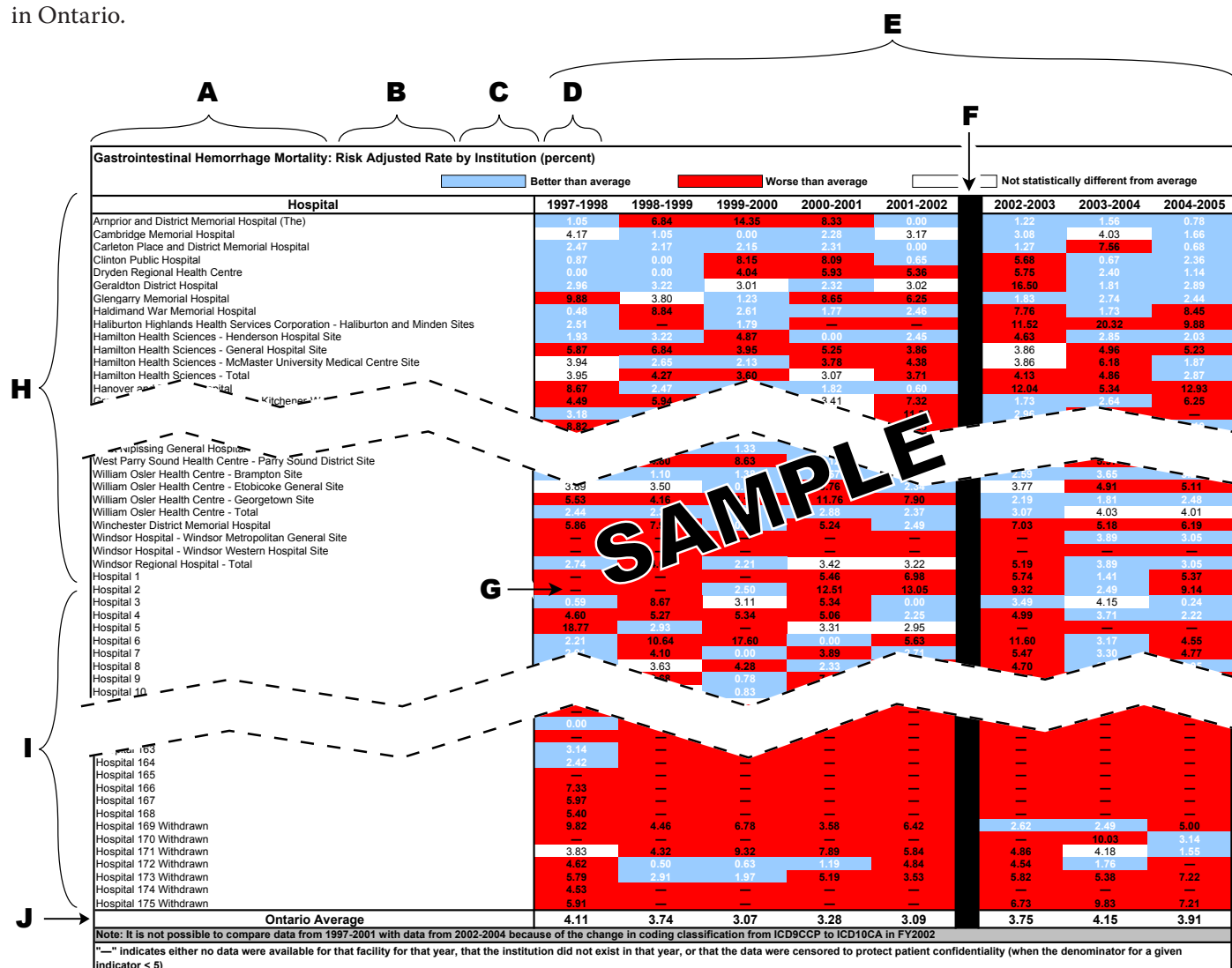
[G] “—” indicates that either no data were available for that hospital for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator is 5).

[H] Indicators were calculated for all of Ontario’s 136 acute-care hospitals. Forty-three hospitals agreed to participate in The Fraser Institute’s *Hospital Report Card: Ontario 2006* (representing 41% of inpatient records in the Ontario in 2004/05). [12]

[12] Please see Appendix D for a list of participating institutions.

[I] The institution numbers from all acute-care hospitals that did not consent to be identified in the *Hospital Report Card* were encrypted by the Canadian Institute for Health Information (CIHI) prior to delivery. We assigned these institutions an arbitrary number from Hospital 1 to Hospital 175.

[J] The average rate (Observed or Risk Adjusted) for all the acute-care hospitals in Ontario.



Esophageal Resection Surgery Volume by Municipality									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—		—	—	—
Ajax	—	—	—	—	—		—	—	—
Alliston	—	—	—	—	—		—	—	—
Amherstburg	—	—	—	—	—		—	—	—
Arnprior	—	—	—	—	—		—	—	—
Aurora	—	—	—	—	—		—	—	—
Aylmer West	—	—	—	—	—		—	—	—
Barrie	—	—	—	—	—		—	—	—
Belleville	—	—	—	—	—		—	—	—
Bolton	—	—	—	—	—		—	—	—
Bowmanville	—	—	—	—	—		—	—	—
Bracebridge	—	—	—	—	—		—	—	—
Bradford	—	—	—	—	—		—	—	—
Brampton	—	—	6	—	—		—	—	7
Brantford	—	—	—	—	—		—	—	—
Brockville	—	—	—	—	—		—	—	—
Burlington	—	—	—	—	—		—	—	—
Caledon	—	—	—	—	—		—	—	—
Caledonia	—	—	—	—	—		—	—	—
Cambridge	—	—	—	—	—		—	—	—
Carleton Place	—	—	—	—	—		—	—	—
Chatham	—	—	—	—	—		—	—	—
Cobourg	—	—	—	—	—		—	—	—
Collingwood	—	—	—	—	—		—	—	—
Concord	—	—	—	—	—		—	—	—
Corwall	—	—	—	—	—		—	—	—
Cumberland	—	—	—	—	—		—	—	—
Delhi	—	—	—	—	—		—	—	—
Downsview	—	—	—	—	—		—	—	—
Dryden	—	—	—	—	—		—	—	—
Dunnville	—	—	—	—	—		—	—	—
East Gwillimbury	—	—	—	—	—		—	—	—
Elliot Lake	—	—	—	—	—		—	—	—
Elmira	—	—	—	—	—		—	—	—
Espanola	—	—	—	—	—		—	—	—
Essex	—	—	—	—	—		—	—	—
Etobicoke	8	—	—	—	—		—	—	—
Fergus	—	—	—	—	—		—	—	—
Fort Erie	—	—	—	—	—		—	—	—
Fort Frances	—	—	—	—	—		—	—	—
Gananoque	—	—	—	—	—		—	—	—
Garson	—	—	—	—	—		—	—	—
Georgetown	—	—	—	—	—		—	—	—
Goderich	—	—	—	—	—		—	—	—
Gravenhurst	—	—	—	—	—		—	—	—
Greely	—	—	—	—	—		—	—	—
Grimsby	—	—	—	—	—		—	—	—
Guelph	—	—	—	—	—		—	—	—
Hamilton	—	—	11	—	—		—	6	—
Hanmer	—	—	—	—	—		—	—	—
Hanover	—	—	—	—	—		—	—	—
Hawkesbury	—	—	—	—	—		—	—	—
Huntsville	—	—	—	—	—		—	—	—
Ingersoll	—	—	—	—	—		—	—	—
Innisfil	—	—	—	—	—		—	—	—
Kapuskasing	—	—	—	—	—		—	—	—
Kenora	—	—	—	—	—		—	—	—
Keswick	—	—	—	—	—		—	—	—
Kincardine	—	—	—	—	—		—	—	—
King City	—	—	—	—	—		—	—	—
Kingston	—	—	—	—	—		—	—	—
Kingsville	—	—	—	—	—		—	—	—
Kirkland Lake	—	—	—	—	—		—	—	—
Kitchener	—	—	6	—	—		6	—	6
Leamington	—	—	—	—	—		—	—	—
Lindsay	—	—	—	—	—		—	—	—
Listowel	—	—	—	—	—		—	—	—
Lively	—	—	—	—	—		—	—	—
London	—	—	—	—	—		—	—	6
Manotick	—	—	—	—	—		—	—	—
Maple	—	—	—	—	—		—	—	—
Markham	—	—	—	—	—		—	—	—
Meaford	—	—	—	—	—		—	—	—

Esophageal Resection Surgery Volume by Municipality									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—		—	—	—
Milton	—	—	—	—	—		—	—	—
Mississauga	—	—	—	—	—		—	—	6
Napanee	—	—	—	—	—		—	—	—
Navan	—	—	—	—	—		—	—	—
New Hamburg	—	—	—	—	—		—	—	—
Newmarket	—	—	—	—	—		—	—	—
Niagara Falls	—	—	—	—	—		—	—	—
North Bay	—	—	—	—	—		—	—	—
North York	—	—	—	—	—		—	—	—
Oakville	—	—	—	—	—		—	—	—
Orangeville	—	—	—	—	—		—	—	—
Orillia	—	—	—	—	—		—	—	—
Oshawa	—	—	—	—	—		—	—	—
Ottawa	—	—	10	13	11		7	7	8
Owen Sound	—	—	—	—	—		—	—	—
Paris	—	—	—	—	—		—	—	—
Parry Sound	—	—	—	—	—		—	—	—
Pembroke	—	—	—	—	—		—	—	—
Penetanguishene	—	—	—	—	—		—	—	—
Perth	—	—	—	—	—		—	—	—
Petawawa	—	—	—	—	—		—	—	—
Peterborough	—	—	—	—	—		—	—	—
Pickering	—	—	—	—	—		—	—	—
Port Colborne	—	—	—	—	—		—	—	—
Port Hope	—	—	—	—	—		—	—	—
Port Perry	—	—	—	—	—		—	—	—
Port Stanley	—	—	—	—	—		—	—	—
Renfrew	—	—	—	—	—		—	—	—
Richmond Hill	—	—	—	—	—		—	—	—
Rockland	—	—	—	—	—		—	—	—
Russell	—	—	—	—	—		—	—	—
Sarnia	—	—	—	—	—		—	—	—
Sault Ste. Marie	—	—	—	6	—		—	—	—
Scarborough	—	8	8	—	—		6	7	7
Simcoe	—	—	—	—	—		—	—	—
Sioux Lookout	—	—	—	—	—		—	—	—
Smiths Falls	—	—	—	—	—		—	—	—
St. Catharine	—	—	—	—	—		—	—	—
St. Mary's	—	—	—	—	—		—	—	—
St. Thomas	—	—	—	—	—		—	—	—
Stouffville	—	—	—	—	—		—	—	—
Stratford	—	—	—	—	—		—	—	—
Strathroy	—	—	—	—	—		—	—	—
Sturgeon	—	—	—	—	—		—	—	—
Sudbury	—	—	—	—	—		—	—	—
Thornhill	—	—	—	—	—		—	—	—
Thunder Bay	—	—	—	—	—		—	—	—
Tillsonburg	—	—	—	—	—		—	—	—
Timmins	—	—	—	—	—		—	—	—
Toronto	10	12	9	9	—		8	15	10
Trenton	—	—	—	—	—		—	—	—
Uxbridge	—	—	—	—	—		—	—	—
Val Caron	—	—	—	—	—		—	—	—
Wallaceburg	—	—	—	—	—		—	—	—
Wasaga Beach	—	—	—	—	—		—	—	—
Welland	—	—	—	—	—		—	—	—
Weston	—	—	—	—	—		—	—	—
Whitby	—	—	—	—	—		—	—	—
Willowdale	6	—	—	—	—		—	—	8
Windsor	—	—	—	—	—		—	—	—
Woodbridge	—	—	—	—	—		—	—	—
Woodstock	—	—	—	—	—		—	—	—
Rural	16	19	33	20	21		26	41	36
Other	—	—	—	—	—		—	—	—
<b>Ontario Total</b>	<b>121</b>	<b>119</b>	<b>161</b>	<b>104</b>	<b>105</b>		<b>138</b>	<b>164</b>	<b>181</b>
Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002									
"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator $\leq 5$ )									

## Pancreatic Resection Volume by Municipality

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—	—	—	—
Ajax	—	—	—	—	—	—	—	—
Alliston	—	—	—	—	—	—	—	—
Amherstburg	—	—	—	—	—	—	—	—
Arnprior	—	—	—	—	—	—	—	—
Aurora	—	—	—	—	—	—	—	—
Aylmer West	—	—	—	—	—	—	—	—
Barrie	—	—	—	—	—	—	—	—
Belleville	—	—	—	—	—	—	—	—
Bolton	—	—	—	—	—	—	—	—
Bowmanville	—	—	—	—	—	—	—	—
Bracebridge	—	—	—	—	—	—	—	—
Bradford	—	—	—	—	—	—	—	—
Brampton	—	—	6	—	—	—	—	—
Brantford	—	—	—	—	—	—	—	—
Brockville	—	—	—	—	—	—	—	—
Burlington	—	—	—	—	—	—	—	—
Caledon	—	—	—	—	—	—	—	—
Caledonia	—	—	—	—	—	—	—	—
Cambridge	—	—	—	—	—	—	—	—
Carleton Place	—	—	—	—	—	—	—	—
Chatham	—	—	—	—	—	—	—	—
Cobourg	—	—	—	—	—	—	—	—
Collingwood	—	—	—	—	—	—	—	—
Concord	—	—	—	—	—	—	—	—
Corwall	—	—	—	—	—	—	—	—
Cumberland	—	—	—	—	—	—	—	—
Delhi	—	—	—	—	—	—	—	—
Downsview	—	—	—	—	—	—	—	—
Dryden	—	—	—	—	—	—	—	—
Dunnville	—	—	—	—	—	—	—	—
East Gwillimbury	—	—	—	—	—	—	—	—
Elliot Lake	—	—	—	—	—	—	—	—
Elmira	—	—	—	—	—	—	—	—
Espanola	—	—	—	—	—	—	—	—
Essex	—	—	—	—	—	—	—	—
Etobicoke	—	—	—	7	7	—	—	—
Fergus	—	—	—	—	—	—	—	—
Fort Erie	—	—	—	—	—	—	—	—
Fort Frances	—	—	—	—	—	—	—	—
Gananoque	—	—	—	—	—	—	—	—
Garson	—	—	—	—	—	—	—	—
Georgetown	—	—	—	—	—	—	—	—
Goderich	—	—	—	—	—	—	—	—
Gravenhurst	—	—	—	—	—	—	—	—
Greely	—	—	—	—	—	—	—	—
Grimsby	—	—	—	—	—	—	—	—
Guelph	—	—	—	—	—	—	—	—
Hamilton	8	12	7	15	7	10	14	9
Hanmer	—	—	—	—	—	—	—	—
Hanover	—	—	—	—	—	—	—	—
Hawkesbury	—	—	—	—	—	—	—	—
Huntsville	—	—	—	—	—	—	—	—
Ingersoll	—	—	—	—	—	—	—	—
Innisfil	—	—	—	—	—	—	—	—
Kapuskasing	—	—	—	—	—	—	—	—
Kenora	—	—	—	—	—	—	—	—
Keswick	—	—	—	—	—	—	—	—
Kincardine	—	—	—	—	—	—	—	—
King City	—	—	—	—	—	—	—	—
Kingston	—	—	—	—	—	—	—	—
Kingsville	—	—	—	—	—	—	—	—
Kirkland Lake	—	—	—	—	—	—	—	—
Kitchener	—	—	—	—	7	—	—	7
Leamington	—	—	—	—	—	—	—	—
Lindsay	—	—	—	—	—	—	—	—
Listowel	—	—	—	—	—	—	—	—
Lively	—	—	—	—	—	—	—	—
London	—	—	—	6	8	6	6	—
Manotick	—	—	—	—	—	—	—	—
Maple	—	—	—	—	—	—	—	—
Markham	—	—	—	—	—	6	—	—
Meaford	—	—	—	—	—	—	—	—



Pancreatic Resection Volume by Municipality									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	—	—	—	—	—	—	—	—	
Milton	—	—	—	—	—	—	—	—	
Mississauga	7	8	6	10	8	—	11	13	
Napanee	—	—	—	—	—	—	—	—	
Navan	—	—	—	—	—	—	—	—	
New Hamburg	—	—	—	—	—	—	—	—	
Newmarket	—	—	—	—	—	—	—	—	
Niagara Falls	—	—	—	—	—	—	6	—	
North Bay	—	—	—	—	—	—	—	—	
North York	—	—	—	—	—	—	—	—	
Oakville	—	—	—	—	6	—	—	—	
Orangeville	—	—	—	—	—	—	—	—	
Orillia	—	—	—	—	—	—	—	—	
Oshawa	—	—	—	—	—	—	—	—	
Ottawa	6	6	12	12	14	11	10	8	
Owen Sound	—	—	—	—	—	—	—	—	
Paris	—	—	—	—	—	—	—	—	
Parry Sound	—	—	—	—	—	—	—	—	
Pembroke	—	—	—	—	—	—	—	—	
Penetanguishene	—	—	—	—	—	—	—	—	
Perth	—	—	—	—	—	—	—	—	
Petawawa	—	—	—	—	—	—	—	—	
Peterborough	—	—	—	—	—	—	—	—	
Pickering	—	—	—	—	—	—	—	—	
Port Colborne	—	—	—	—	—	—	—	—	
Port Hope	—	—	—	—	—	—	—	—	
Port Perry	—	—	—	—	—	—	—	—	
Port Stanley	—	—	—	—	—	—	—	—	
Renfrew	—	—	—	—	—	—	—	—	
Richmond Hill	—	—	—	—	—	—	—	—	
Rockland	—	—	—	—	—	—	—	—	
Russell	—	—	—	—	—	—	—	—	
Sarnia	—	—	—	—	—	—	—	—	
Sault Ste. Marie	—	—	—	—	—	—	—	—	
Scarborough	9	6	7	9	7	17	8	11	
Simcoe	—	—	—	—	—	—	—	—	
Sioux Lookout	—	—	—	—	—	—	—	—	
Smiths Falls	—	—	—	—	—	—	—	—	
St. Catharine	—	—	—	—	—	—	—	—	
St. Mary's	—	—	—	—	—	—	—	—	
St. Thomas	—	—	—	—	—	—	—	—	
Stouffville	—	—	—	—	—	—	—	—	
Stratford	—	—	—	—	—	—	—	—	
Strathroy	—	—	—	—	—	—	—	—	
Sturgeon	—	—	—	—	—	—	—	—	
Sudbury	—	—	—	—	—	—	—	—	
Thornhill	—	—	—	—	—	—	—	—	
Thunder Bay	—	—	—	—	—	—	—	—	
Tillsonburg	—	—	—	—	—	—	—	—	
Timmins	—	—	—	—	—	—	—	—	
Toronto	11	15	8	13	12	15	8	15	
Trenton	—	—	—	—	—	—	—	—	
Uxbridge	—	—	—	—	—	—	—	—	
Val Caron	—	—	—	—	—	—	—	—	
Wallaceburg	—	—	—	—	—	—	—	—	
Wasaga Beach	—	—	—	—	—	—	—	—	
Welland	—	—	—	—	—	—	—	—	
Weston	—	—	—	—	—	—	—	—	
Whitby	—	—	—	—	—	—	—	—	
Willowdale	—	—	—	—	—	—	7	11	
Windsor	9	—	—	—	—	—	—	6	
Woodbridge	—	—	—	—	—	—	—	—	
Woodstock	—	—	—	—	—	—	—	—	
Rural	20	16	30	23	29	25	26	47	
Other	—	—	—	—	6	—	—	—	
<b>Ontario Total</b>	<b>146</b>	<b>141</b>	<b>145</b>	<b>179</b>	<b>178</b>	<b>174</b>	<b>174</b>	<b>210</b>	
Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002									
"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator $\leq 5$ )									

Pediatric Heart Surgery Volume by Municipality									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—		—	—	—
Ajax	—	—	—	—	—		—	—	—
Alliston	—	—	—	—	—		—	—	—
Amherstburg	—	—	—	—	—		—	—	—
Arnprior	—	—	—	—	—		—	—	—
Aurora	—	—	—	—	—		—	—	—
Aylmer West	—	—	—	—	—		—	—	—
Barrie	—	—	—	—	—		—	—	—
Belleville	—	—	—	—	—		—	—	—
Bolton	—	—	—	—	—		—	—	—
Bowmanville	—	—	—	—	—		—	—	—
Bracebridge	—	—	—	—	—		—	—	—
Bradford	—	—	—	—	—		—	—	—
Brampton	—	—	—	—	—		—	—	—
Brantford	—	—	—	—	—		—	6	—
Brockville	—	—	—	—	—		—	—	—
Burlington	—	—	—	—	—		—	—	—
Caledon	—	—	—	—	—		—	—	—
Caledonia	—	—	—	—	—		—	—	—
Cambridge	—	—	—	6	—		—	—	—
Carleton Place	—	—	—	—	—		—	—	—
Chatham	—	—	—	—	—		—	—	—
Cobourg	—	—	—	—	—		—	—	—
Collingwood	—	—	—	—	—		—	—	—
Concord	—	—	—	—	—		—	—	—
Cornwall	—	—	—	—	—		—	—	—
Cumberland	—	—	—	—	—		—	—	—
Delhi	—	—	—	—	—		—	—	—
Downsview	—	—	—	—	—		—	—	—
Dryden	—	—	—	—	—		—	—	—
Dunnville	—	—	—	—	—		—	—	—
East Gwillimbury	—	—	—	—	—		—	—	—
Elliot Lake	—	—	—	—	—		—	—	—
Elmira	—	—	—	—	—		—	—	—
Espanola	—	—	—	—	—		—	—	—
Essex	—	—	—	—	—		—	—	—
Etobicoke	—	—	—	—	—		—	—	—
Fergus	—	—	—	—	—		—	—	—
Fort Erie	—	—	—	—	—		—	—	—
Fort Frances	—	—	—	—	—		—	—	—
Gananoque	—	—	—	—	—		—	—	—
Garson	—	—	—	—	—		—	—	—
Georgetown	—	—	—	—	—		—	—	—
Goderich	—	—	—	—	—		—	—	—
Gravenhurst	—	—	—	—	—		—	—	—
Greely	—	—	—	—	—		—	—	—
Grimsby	—	—	—	—	—		—	—	—
Guelph	—	—	—	—	—		—	—	—
Hamilton	—	—	6	9	9		9	8	—
Hanmer	—	—	—	—	—		—	—	—
Hanover	—	—	—	—	—		—	—	—
Hawkesbury	—	—	—	—	—		—	—	—
Huntsville	—	—	—	—	—		—	—	—
Ingersoll	—	—	—	—	—		—	—	—
Innisfil	—	—	—	—	—		—	—	—
Kapuskasing	—	—	—	—	—		—	—	—
Kenora	—	—	—	—	—		—	—	—
Keswick	—	—	—	—	—		—	—	—
Kincardine	—	—	—	—	—		—	—	—
King City	—	—	—	—	—		—	—	—
Kingston	7	—	—	—	—		—	—	—
Kingsville	—	—	—	—	—		—	—	—
Kirkland Lake	—	—	—	—	—		—	—	—
Kitchener	—	9	20	14	7		—	7	—
Leamington	—	—	—	—	—		—	—	—
Lindsay	—	—	—	—	—		—	—	—
Listowel	—	—	—	—	—		—	—	—
Lively	—	—	—	—	—		—	—	—
London	21	22	28	24	17		—	6	—
Manotick	—	—	—	—	—		—	—	—
Maple	—	—	—	—	—		—	—	—
Markham	—	—	—	—	—		—	—	—
Meaford	—	—	—	—	—		—	—	—

Pediatric Heart Surgery Volume by Municipality									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—		—	—	—
Milton	—	—	—	—	—		—	—	—
Mississauga	6	—	—	—	—		—	—	—
Napanee	—	—	—	—	—		—	—	—
Navan	—	—	—	—	—		—	—	—
New Hamburg	—	—	—	—	—		—	—	—
Newmarket	—	—	—	—	—		—	—	—
Niagara Falls	—	—	—	—	—		—	—	—
North Bay	—	—	—	—	—		—	—	—
North York	—	—	—	—	—		—	—	—
Oakville	—	—	—	—	—		—	—	—
Orangeville	—	—	—	—	—		—	—	—
Orillia	—	—	—	—	—		—	—	—
Oshawa	—	—	—	—	—		—	—	—
Ottawa	62	39	40	43	31		27	38	36
Owen Sound	—	—	—	—	—		—	—	—
Paris	—	—	—	—	—		—	—	—
Parry Sound	—	—	—	—	—		—	—	—
Pembroke	—	—	—	—	—		—	—	—
Penetanguishene	—	—	—	—	—		—	—	—
Perth	—	—	—	—	—		—	—	—
Petawawa	—	—	—	—	—		—	—	—
Peterborough	—	—	—	—	—		—	—	—
Pickering	—	—	—	—	—		—	—	—
Port Colborne	—	—	—	—	—		—	—	—
Port Hope	—	—	—	—	—		—	—	—
Port Perry	—	—	—	—	—		—	—	—
Port Stanley	—	—	—	—	—		—	—	—
Renfrew	—	—	—	—	—		—	—	—
Richmond Hill	—	—	—	—	—		—	—	—
Rockland	—	—	—	—	—		—	—	—
Russell	—	—	—	—	—		—	—	—
Sarnia	—	—	—	—	—		—	—	—
Sault Ste. Marie	—	—	—	—	—		—	—	—
Scarborough	—	—	—	—	—		—	—	—
Simcoe	—	—	—	—	—		—	—	—
Sioux Lookout	—	—	—	—	—		—	—	—
Smiths Falls	—	—	—	—	—		—	—	—
St. Catharine	—	—	—	—	—		—	—	—
St. Mary's	—	—	—	—	—		—	—	—
St. Thomas	—	—	—	—	—		—	—	—
Stouffville	—	—	—	—	—		—	—	—
Stratford	—	—	—	—	—		—	—	—
Strathroy	—	—	—	—	—		—	—	—
Sturgeon	—	—	—	—	—		—	—	—
Sudbury	—	—	—	—	—		—	—	—
Thornhill	—	—	—	—	—		—	—	—
Thunder Bay	—	7	—	—	—		—	—	—
Tillsonburg	—	—	—	—	—		—	—	—
Timmins	—	—	—	—	—		—	—	—
Toronto	—	—	—	—	—		—	—	—
Trenton	—	—	—	—	—		—	—	—
Uxbridge	—	—	—	—	—		—	—	—
Val Caron	—	—	—	—	—		—	—	—
Wallaceburg	—	—	—	—	—		—	—	—
Wasaga Beach	—	—	—	—	—		—	—	—
Welland	—	—	—	—	—		—	—	—
Weston	—	—	—	—	—		—	—	—
Whitby	—	—	—	—	—		—	—	—
Willowdale	—	—	—	—	—		—	—	—
Windsor	12	10	14	15	12		6	—	—
Woodbridge	—	—	—	—	—		—	—	—
Woodstock	—	—	—	—	—		—	—	—
Rural	57	44	66	55	50		20	25	22
Other	54	56	34	30	33		19	20	11
<b>Ontario Total</b>	<b>297</b>	<b>261</b>	<b>298</b>	<b>272</b>	<b>224</b>		<b>129</b>	<b>154</b>	<b>127</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Abdominal Aortic Aneurysm (AAA) Repair Volume by Municipality

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—	—	—	—
Ajax	7	12	10	11	7	—	—	—
Alliston	—	—	6	—	—	—	—	—
Amherstburg	7	—	—	—	—	—	—	—
Arnprior	—	—	—	—	—	—	—	—
Aurora	—	—	—	—	—	—	—	—
Aylmer West	—	6	—	—	—	—	—	—
Barrie	20	20	23	15	15	—	—	—
Belleville	8	—	15	13	8	—	—	—
Bolton	—	—	—	—	—	—	—	—
Bowmanville	7	7	10	—	6	—	—	—
Bracebridge	—	6	—	—	—	—	—	—
Bradford	—	—	—	—	—	—	—	—
Brampton	16	17	19	24	9	—	—	—
Brantford	14	22	24	11	15	—	—	—
Brockville	—	—	—	13	—	—	—	—
Burlington	28	32	28	33	20	—	—	—
Caledon	—	—	—	—	—	—	—	—
Caledonia	—	—	—	—	—	—	—	—
Cambridge	18	14	10	21	21	—	—	—
Carleton Place	—	—	—	—	—	—	—	—
Chatham	—	—	—	—	—	—	—	—
Cobourg	7	—	8	—	8	—	—	—
Collingwood	—	—	—	—	6	—	—	—
Concord	—	—	—	—	—	—	—	—
Cornwall	14	9	18	7	10	—	—	—
Cumberland	—	—	—	—	—	—	—	—
Delhi	—	—	—	—	—	—	—	—
Downsview	13	10	6	13	11	—	—	—
Dryden	—	—	—	—	—	—	—	—
Dunnville	—	—	—	—	—	—	—	—
East Gwillimbury	—	—	—	—	—	—	—	—
Elliot Lake	—	9	6	7	—	—	—	—
Elmira	—	—	—	—	—	—	—	—
Espanola	—	—	—	—	—	—	—	—
Essex	—	—	—	—	—	—	—	—
Etobicoke	55	41	40	43	28	—	—	—
Fergus	—	—	—	—	—	—	—	—
Fort Erie	—	—	—	—	—	—	—	—
Fort Frances	—	—	—	—	—	—	—	—
Gananoque	—	—	—	—	—	—	—	—
Garson	—	—	—	—	—	—	—	—
Georgetown	9	—	—	—	—	—	—	—
Goderich	—	—	—	—	—	—	—	—
Gravenhurst	—	—	—	—	—	—	—	—
Greely	—	—	—	—	—	—	—	—
Grimsby	—	6	—	—	6	—	—	—
Guelph	21	22	13	9	9	—	—	—
Hamilton	92	99	83	88	72	—	—	—
Hanmer	—	—	—	—	—	—	—	—
Hanover	—	—	—	—	—	—	—	—
Hawkesbury	—	—	6	—	—	—	—	—
Huntsville	—	—	—	—	—	—	—	—
Ingersoll	—	—	—	—	—	—	—	—
Innisfil	—	—	—	—	7	—	—	—
Kapuskasing	—	—	—	—	—	—	—	—
Kenora	—	—	—	—	—	—	—	—
Keswick	—	—	—	—	—	—	—	—
Kincardine	—	—	—	—	—	—	—	—
King City	—	—	—	—	—	—	—	—
Kingston	10	9	18	16	20	—	—	—
Kingsville	—	—	—	—	—	—	—	—
Kirkland Lake	—	—	—	—	—	—	—	—
Kitchener	19	22	26	21	17	—	—	—
Leamington	—	—	—	—	—	—	—	—
Lindsay	—	16	11	—	9	—	—	—
Listowel	—	—	—	—	—	—	—	—
Lively	—	—	—	—	—	—	—	—
London	47	29	29	17	7	—	—	—
Manotick	—	—	—	—	—	—	—	—
Maple	—	—	—	—	—	—	—	—
Markham	9	8	11	11	10	—	—	—
Meaford	—	—	—	—	—	—	—	—

Abdominal Aortic Aneurysm (AAA) Repair Volume by Municipality									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	—	—	—	—	—	—	—	—	
Milton	—	—	6	—	—	—	—	—	
Mississauga	42	39	38	54	52	—	—	—	
Napanee	—	—	—	—	6	—	—	—	
Navan	—	—	—	—	—	—	—	—	
New Hamburg	—	—	—	—	—	—	—	—	
Newmarket	7	—	7	—	—	—	—	—	
Niagara Falls	11	17	10	13	13	—	—	—	
North Bay	22	15	9	14	13	—	—	—	
North York	16	14	13	8	—	—	—	—	
Oakville	24	19	16	29	16	—	—	—	
Orangeville	—	—	—	6	—	—	—	—	
Orillia	11	14	12	10	8	—	—	—	
Oshawa	20	22	25	35	25	—	—	—	
Ottawa	92	115	115	87	80	—	—	—	
Owen Sound	11	9	7	6	13	—	—	—	
Paris	—	—	—	—	—	—	—	—	
Parry Sound	—	—	—	—	—	—	—	—	
Pembroke	10	8	—	—	—	—	—	—	
Penetanguishene	—	—	—	—	—	—	—	—	
Perth	6	—	—	—	—	—	—	—	
Petawawa	—	—	—	—	—	—	—	—	
Peterborough	27	23	34	17	14	—	—	—	
Pickering	—	6	10	6	10	—	—	—	
Port Colborne	12	9	—	—	—	—	—	—	
Port Hope	—	6	—	—	—	—	—	—	
Port Perry	—	—	—	—	—	—	—	—	
Port Stanley	—	—	—	—	—	—	—	—	
Renfrew	—	—	—	—	—	—	—	—	
Richmond Hill	9	9	8	—	—	—	—	—	
Rockland	—	—	—	—	—	—	—	—	
Russell	—	—	—	—	—	—	—	—	
Sarnia	11	9	13	10	12	—	—	—	
Sault Ste. Marie	16	12	13	8	11	—	—	—	
Scarborough	61	60	67	52	63	—	—	—	
Simcoe	—	6	—	—	—	—	—	—	
Sioux Lookout	—	—	—	—	—	—	—	—	
Smiths Falls	—	6	—	—	—	—	—	—	
St. Catharine	30	43	41	31	21	—	—	—	
St. Mary's	—	—	—	—	—	—	—	—	
St. Thomas	6	—	—	—	—	—	—	—	
Stouffville	—	—	—	—	—	—	—	—	
Stratford	—	—	—	—	—	—	—	—	
Strathroy	—	—	—	—	—	—	—	—	
Sturgeon	—	—	—	—	—	—	—	—	
Sudbury	16	26	18	29	16	—	—	—	
Thornhill	15	9	9	7	12	—	—	—	
Thunder Bay	13	13	19	23	20	—	—	—	
Tillsonburg	—	6	—	—	—	—	—	—	
Timmins	7	—	—	—	—	—	—	—	
Toronto	93	106	96	91	81	—	—	—	
Trenton	—	—	—	6	6	—	—	—	
Uxbridge	—	—	—	—	—	—	—	—	
Val Caron	—	—	—	—	—	—	—	—	
Wallaceburg	—	—	—	—	—	—	—	—	
Wasaga Beach	—	—	—	—	—	—	—	—	
Welland	13	11	17	10	13	—	—	—	
Weston	14	19	16	22	19	—	—	—	
Whitby	13	—	8	13	11	—	—	—	
Willowdale	33	23	19	30	25	—	—	—	
Windsor	53	43	33	26	30	—	—	—	
Woodbridge	9	—	—	—	—	—	—	—	
Woodstock	11	—	—	—	—	—	—	—	
Rural	323	319	324	321	244	—	—	—	
Other	28	26	15	24	17	—	—	—	
<b>Ontario Total</b>	<b>1682</b>	<b>1649</b>	<b>1607</b>	<b>1528</b>	<b>1313</b>	<b>—</b>	<b>—</b>	<b>—</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Coronary Artery Bypass Graft (CABG) Volume by Municipality								
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	7	11	13	9	6	11	13
Ajax	41	45	34	32	45	42	41	37
Alliston	9	9	13	18	7	12	12	20
Amherstburg	14	14	20	13	11	10	19	9
Arnprior	7	9	11	18	11	14	8	8
Aurora	13	22	21	26	30	35	28	23
Aylmer West	14	11	7	9	6	8	6	13
Barrie	54	44	61	79	94	97	73	91
Belleville	40	36	53	62	53	32	36	44
Bolton	7	11	15	12	9	13	17	12
Bowmanville	25	31	29	29	43	35	34	33
Bracebridge	6	10	11	23	7	11	18	14
Bradford	7	19	15	12	18	14	13	12
Brampton	173	212	210	200	219	212	269	299
Brantford	77	62	64	70	73	98	80	85
Brockville	26	37	40	31	36	27	31	39
Burlington	129	115	129	135	164	126	157	150
Caledon	—	—	—	—	—	—	—	—
Caledonia	9	10	16	—	—	11	15	11
Cambridge	69	66	97	72	112	109	95	85
Carleton Place	11	17	8	13	10	8	11	17
Chatham	41	25	30	38	49	38	47	35
Cobourg	24	23	21	25	32	26	27	29
Collingwood	7	12	15	18	17	21	14	18
Concord	—	—	—	13	9	9	11	12
Cornwall	43	45	55	49	65	60	60	49
Cumberland	—	—	—	—	—	6	—	6
Delhi	8	8	10	6	—	7	10	—
Downsview	85	103	106	97	98	74	86	79
Dryden	—	—	—	—	—	—	—	—
Dunnville	6	16	7	9	14	11	11	20
East Gwillimbury	11	—	7	8	9	7	—	8
Elliot Lake	25	15	21	21	24	18	14	25
Elmira	—	—	6	6	—	10	—	9
Espanola	6	—	—	10	8	—	6	—
Essex	8	8	7	10	—	7	8	—
Etobicoke	223	225	243	226	231	235	243	233
Fergus	7	9	12	6	13	—	16	15
Fort Erie	8	10	8	16	17	12	11	10
Fort Frances	—	—	—	—	—	—	—	—
Gananoque	8	9	11	11	19	7	8	—
Garson	7	6	10	8	7	7	—	—
Georgetown	13	20	17	29	27	30	24	19
Goderich	8	9	12	17	10	8	16	8
Gravenhurst	6	10	10	8	12	17	10	20
Greely	—	7	—	—	6	6	—	—
Grimsby	10	14	16	19	15	22	25	20
Guelph	45	69	59	72	76	90	83	86
Hamilton	343	339	359	387	445	444	460	449
Hanmer	10	17	14	7	12	10	9	10
Hanover	7	10	8	9	—	8	—	7
Hawkesbury	14	11	11	7	6	—	6	6
Huntsville	15	15	18	11	16	21	8	18
Ingersoll	10	11	10	12	12	11	12	16
Innisfil	—	—	—	7	16	19	15	21
Kapuskasing	13	10	9	16	13	8	8	8
Kenora	—	—	—	—	—	—	—	—
Keswick	12	12	8	24	23	17	23	15
Kincardine	10	6	12	8	13	9	11	12
King City	—	6	6	12	12	8	—	7
Kingston	127	117	136	126	138	120	86	124
Kingsville	15	9	8	15	6	6	10	8
Kirkland Lake	10	8	9	9	7	6	—	8
Kitchener	133	141	131	133	190	175	161	170
Leamington	22	12	15	10	12	22	23	16
Lindsay	24	24	37	28	33	42	38	52
Listowel	9	—	—	—	6	10	—	7
Lively	7	7	8	12	—	—	7	6
London	238	227	246	227	218	206	211	222
Manotick	—	7	8	10	—	7	—	—
Maple	6	15	13	24	20	17	17	19
Markham	79	81	94	90	104	96	103	114
Meaford	9	9	—	7	—	—	6	6



Coronary Artery Bypass Graft (CABG) Volume by Municipality									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	19	11	16	12	18	26	23	25	
Milton	21	19	12	19	17	24	29	22	
Mississauga	375	384	425	463	431	460	478	503	
Napanee	14	13	18	18	20	15	15	17	
Navan	—	—	—	—	—	—	—	—	
New Hamburg	—	—	—	—	—	—	11	—	
Newmarket	24	40	38	52	59	51	48	60	
Niagara Falls	58	73	70	67	53	75	61	80	
North Bay	53	65	68	60	50	44	38	46	
North York	64	75	54	66	61	74	61	59	
Oakville	107	102	137	131	91	117	122	131	
Orangeville	21	21	18	13	20	17	37	24	
Orillia	33	36	44	40	36	36	44	50	
Oshawa	100	97	110	111	100	96	108	94	
Ottawa	451	473	475	430	443	410	393	399	
Owen Sound	20	30	20	19	21	21	27	28	
Paris	9	—	9	10	10	13	—	10	
Parry Sound	18	11	12	13	12	14	9	11	
Pembroke	28	21	30	23	21	22	22	29	
Penetanguishene	20	10	10	16	6	13	15	10	
Perth	15	15	21	10	12	16	8	12	
Petawawa	6	6	—	—	8	7	7	6	
Peterborough	84	89	80	118	125	120	102	106	
Pickering	44	51	61	50	71	43	50	49	
Port Colborne	28	22	27	21	25	21	16	24	
Port Hope	24	14	13	10	11	27	11	14	
Port Perry	10	17	11	9	—	8	12	11	
Port Stanley	—	—	—	6	—	—	—	6	
Renfrew	15	12	16	19	7	14	12	10	
Richmond Hill	81	96	79	96	100	94	76	104	
Rockland	7	7	—	11	8	7	—	—	
Russell	—	—	—	—	—	—	—	—	
Sarnia	52	54	56	68	60	75	62	65	
Sault Ste. Marie	116	120	91	105	92	92	69	78	
Scarborough	417	415	386	417	441	382	418	401	
Simcoe	21	13	26	15	16	18	24	15	
Sioux Lookout	—	—	—	—	—	—	—	—	
Smiths Falls	16	19	24	14	20	24	16	13	
St. Catharine	109	132	106	143	138	165	135	151	
St. Mary's	8	—	—	6	6	7	—	7	
St. Thomas	26	27	32	22	35	21	35	27	
Stouffville	13	19	14	14	12	16	31	13	
Stratford	18	17	14	18	20	26	16	25	
Strathroy	7	—	12	8	9	11	9	8	
Sturgeon	—	—	—	—	—	6	9	11	
Sudbury	140	111	114	102	75	79	63	60	
Thornhill	80	91	89	74	100	83	72	78	
Thunder Bay	130	117	111	99	117	140	195	177	
Tillsonburg	13	20	11	—	15	16	20	20	
Timmins	43	30	38	34	38	30	26	15	
Toronto	541	584	626	615	575	547	502	573	
Trenton	12	19	13	28	33	20	26	30	
Uxbridge	12	7	15	13	13	7	7	11	
Val Caron	11	6	7	7	8	—	—	—	
Wallaceburg	12	10	10	11	7	8	9	7	
Wasaga Beach	—	—	—	—	—	—	—	—	
Welland	37	51	54	47	56	59	43	58	
Weston	78	95	85	88	81	93	85	63	
Whitby	62	39	47	40	49	54	45	46	
Willowdale	192	186	204	188	169	154	191	158	
Windsor	212	198	157	194	171	189	195	185	
Woodbridge	35	35	32	45	47	52	44	62	
Woodstock	18	20	29	31	27	19	43	35	
Rural	1535	1590	1671	1653	1741	1665	1624	1681	
Other	322	346	347	403	291	273	289	268	
<b>Ontario Total</b>	<b>8519</b>	<b>8751</b>	<b>9045</b>	<b>9225</b>	<b>9368</b>	<b>9164</b>	<b>9128</b>	<b>9378</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

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## Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume by Municipality

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	6	6	7	8	—	—	—
Ajax	25	39	47	49	54	—	68	76
Alliston	12	7	9	15	14	—	22	15
Amherstburg	8	15	17	20	15	—	20	17
Arnprior	12	19	13	26	12	—	19	25
Aurora	8	13	19	20	26	—	32	49
Aylmer West	—	7	7	12	15	—	8	12
Barrie	25	48	60	65	97	—	84	95
Belleville	26	47	55	67	90	—	115	107
Bolton	8	—	8	9	10	—	30	24
Bowmanville	20	31	36	34	47	—	70	90
Bracebridge	6	12	10	17	16	—	13	25
Bradford	10	11	10	19	19	—	35	34
Brampton	129	151	178	202	248	—	161	228
Brantford	38	48	45	51	93	—	87	81
Brockville	24	35	43	51	51	—	85	95
Burlington	86	88	104	145	180	—	105	103
Caledon	—	—	—	—	—	—	—	—
Caledonia	12	—	11	11	16	—	18	22
Cambridge	43	30	65	71	119	—	73	69
Carleton Place	7	13	14	18	27	—	27	32
Chatham	21	16	17	29	41	—	38	41
Cobourg	—	24	20	21	33	—	52	51
Collingwood	—	14	7	8	14	—	17	29
Concord	—	—	9	8	16	—	12	—
Cornwall	33	46	44	75	78	—	119	108
Cumberland	—	—	—	—	6	—	—	9
Delhi	—	—	—	—	7	—	7	—
Downsview	74	64	84	78	108	—	115	151
Dryden	—	—	—	—	—	—	—	—
Dunnville	—	—	12	15	8	—	12	19
East Gwillimbury	—	—	—	9	7	—	16	16
Elliot Lake	11	13	19	20	26	—	28	39
Elmira	—	—	—	—	—	—	—	7
Espanola	—	6	12	8	12	—	11	—
Essex	7	12	7	8	8	—	10	17
Etobicoke	135	159	174	215	299	—	286	366
Fergus	—	—	—	10	11	—	10	10
Fort Erie	7	6	—	14	11	—	10	12
Fort Frances	—	—	—	—	—	—	—	—
Gananoque	—	7	14	16	23	—	20	21
Garson	—	10	8	9	7	—	9	12
Georgetown	13	14	16	16	19	—	25	16
Goderich	—	11	14	7	9	—	9	6
Gravenhurst	—	8	6	11	18	—	12	17
Greely	—	—	—	9	—	—	10	7
Grimsby	10	7	12	12	17	—	26	28
Guelph	27	36	46	54	93	—	59	51
Hamilton	221	264	363	489	542	—	675	687
Hanmer	6	13	9	12	15	—	18	18
Hanover	8	—	—	9	—	—	8	—
Hawkesbury	24	14	10	9	13	—	16	10
Huntsville	6	12	14	9	17	—	24	15
Ingersoll	12	6	11	12	18	—	15	8
Innisfil	—	—	—	—	10	—	14	27
Kapuskasing	7	6	11	12	15	—	12	12
Kenora	—	—	—	—	—	—	—	—
Keswick	13	10	6	16	19	—	30	28
Kincardine	—	6	12	10	11	—	12	11
King City	—	—	6	6	8	—	7	9
Kingston	81	123	176	237	279	—	264	239
Kingsville	6	—	—	7	6	—	11	19
Kirkland Lake	6	7	7	13	15	—	14	21
Kitchener	72	74	70	109	154	—	200	229
Leamington	8	11	9	9	13	—	22	26
Lindsay	17	20	29	22	33	—	52	60
Listowel	—	—	—	—	—	—	—	7
Lively	10	—	6	6	—	—	7	16
London	147	166	194	234	278	—	322	338
Manotick	—	7	12	11	11	—	13	11
Maple	10	6	14	22	28	—	32	30
Markham	50	62	63	102	138	—	153	150
Meaford	—	—	—	6	8	—	—	9

## Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume by Municipality

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	8	9	8	14	30	—	19	19
Milton	9	10	8	25	35	—	16	12
Mississauga	230	304	349	469	550	—	493	509
Napanee	12	29	18	25	33	—	35	35
Navan	—	—	—	—	—	—	—	9
New Hamburg	—	—	—	—	—	—	7	10
Newmarket	16	34	38	27	66	—	83	74
Niagara Falls	50	34	52	51	100	—	89	125
North Bay	28	38	40	44	49	—	71	111
North York	66	63	63	101	86	—	95	103
Oakville	67	81	86	95	122	—	65	54
Orangeville	16	10	27	30	30	—	28	25
Orillia	32	38	36	49	59	—	48	58
Oshawa	74	98	88	109	148	—	151	158
Ottawa	492	586	599	711	865	—	898	998
Owen Sound	15	22	15	15	26	—	30	20
Paris	—	8	—	10	8	—	13	9
Parry Sound	—	7	—	8	10	—	16	14
Pembroke	22	29	36	40	40	—	54	61
Penetanguishene	10	—	12	13	15	—	17	16
Perth	6	14	21	24	32	—	29	38
Petawawa	—	9	6	—	11	—	12	7
Peterborough	60	74	65	101	159	—	175	186
Pickering	39	44	51	54	75	—	80	97
Port Colborne	7	14	15	17	30	—	32	44
Port Hope	12	7	7	15	17	—	27	18
Port Perry	8	15	8	7	7	—	28	18
Port Stanley	—	—	—	—	—	—	—	—
Renfrew	13	21	21	29	24	—	28	28
Richmond Hill	44	77	69	89	120	—	139	122
Rockland	7	9	9	12	—	—	14	15
Russell	—	—	—	13	9	—	10	16
Sarnia	32	31	56	58	61	—	57	58
Sault Ste. Marie	88	93	105	99	136	—	187	203
Scarborough	235	289	318	401	464	—	571	637
Simcoe	9	12	13	21	14	—	26	12
Sioux Lookout	—	—	—	—	—	—	—	—
Smiths Falls	20	13	22	20	23	—	22	30
St. Catharine	55	74	102	166	181	—	203	235
St. Mary's	—	7	7	10	—	—	7	10
St. Thomas	18	29	23	24	24	—	26	38
Stouffville	9	12	16	18	23	—	27	24
Stratford	13	11	10	6	13	—	22	17
Strathroy	—	8	16	14	12	—	7	9
Sturgeon	—	—	—	—	—	—	19	28
Sudbury	88	117	113	120	146	—	168	226
Thornhill	67	70	75	100	131	—	120	136
Thunder Bay	84	81	80	136	153	—	217	206
Tillsonburg	—	7	9	9	17	—	13	21
Timmins	31	52	32	42	41	—	64	81
Toronto	478	546	587	694	852	—	913	1128
Trenton	7	12	18	29	42	—	52	50
Uxbridge	—	—	15	14	6	—	16	13
Val Caron	—	—	12	8	12	—	18	17
Wallaceburg	6	9	10	11	7	—	8	7
Wasaga Beach	—	—	—	—	—	—	—	—
Welland	23	28	46	36	64	—	57	88
Weston	45	60	52	66	117	—	97	119
Whitby	45	26	47	51	56	—	94	94
Willowdale	145	184	175	210	275	—	235	301
Windsor	132	147	126	142	155	—	242	290
Woodbridge	20	20	29	45	60	—	71	79
Woodstock	13	19	14	29	30	—	18	38
Rural	1089	1247	1500	1818	2118	—	2330	2824
Other	148	109	154	176	208	—	224	271
<b>Ontario Total</b>	<b>5897</b>	<b>6956</b>	<b>7884</b>	<b>9724</b>	<b>11903</b>	<b>—</b>	<b>12874</b>	<b>14540</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Carotid Endarterectomy Volume by Municipality									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—		—	—	—
Ajax	—	11	—	—	—		—	—	—
Alliston	—	—	—	—	—		—	—	7
Amherstburg	—	—	—	—	—		—	—	—
Arnprior	7	—	—	—	—		—	—	—
Aurora	—	9	—	—	—		—	—	—
Aylmer West	—	—	—	—	—		—	—	—
Barrie	17	24	30	35	32		31	34	25
Belleville	14	11	8	—	8		—	6	9
Bolton	—	—	—	—	—		—	—	—
Bowmanville	—	8	—	—	—		—	—	—
Bracebridge	7	—	—	—	—		—	—	11
Bradford	—	—	—	—	—		—	—	—
Brampton	26	17	24	24	26		19	15	12
Brantford	21	17	18	15	9		7	10	10
Brockville	—	6	6	—	—		—	—	—
Burlington	22	21	17	21	22		12	18	13
Caledon	—	—	—	—	—		—	—	—
Caledonia	—	—	—	—	—		—	—	—
Cambridge	11	11	—	6	8		12	23	19
Carleton Place	—	—	—	—	—		—	—	7
Chatham	10	10	10	13	9		6	13	—
Cobourg	—	11	—	—	8		—	6	—
Collingwood	—	6	8	—	—		6	7	7
Concord	—	—	—	—	—		—	—	—
Cornwall	8	10	15	11	13		8	—	—
Cumberland	—	—	—	—	—		—	—	—
Delhi	—	—	—	—	—		—	—	—
Downsview	26	24	25	16	11		10	13	18
Dryden	—	—	—	—	—		—	—	—
Dunnville	—	—	—	—	—		—	—	—
East Gwillimbury	—	—	—	—	—		—	—	—
Elliot Lake	8	7	13	12	12		6	—	9
Elmira	—	—	—	—	—		—	—	—
Espanola	—	6	—	—	—		—	—	—
Essex	—	—	—	—	—		—	—	—
Etobicoke	38	44	52	31	33		25	19	20
Fergus	—	—	—	—	—		—	—	—
Fort Erie	—	—	—	—	6		—	—	—
Fort Frances	—	—	—	—	—		—	—	—
Gananoque	—	—	—	—	—		—	—	—
Garson	—	—	—	—	—		—	—	—
Georgetown	—	—	—	—	—		—	—	—
Goderich	—	—	—	—	—		—	—	—
Gravenhurst	—	—	—	—	—		—	6	—
Greely	—	—	—	—	—		—	—	—
Grimsby	—	—	—	—	—		—	—	—
Guelph	17	8	11	13	10		17	17	18
Hamilton	87	102	88	96	82		50	62	66
Hanmer	6	—	6	—	—		7	6	—
Hanover	—	—	—	—	—		—	—	—
Hawkesbury	—	—	—	—	—		—	—	—
Huntsville	—	7	—	—	—		—	—	—
Ingersoll	—	—	—	—	—		—	—	—
Innisfil	—	—	—	7	8		8	8	8
Kapuskasing	8	—	8	—	7		—	—	—
Kenora	—	—	—	—	—		—	—	—
Keswick	—	7	—	—	—		—	—	—
Kincardine	—	—	—	—	—		—	—	—
King City	—	—	—	—	—		—	—	—
Kingston	22	16	13	27	11		14	11	12
Kingsville	—	—	—	—	—		—	—	—
Kirkland Lake	—	—	—	—	8		—	—	—
Kitchener	25	21	21	29	21		20	17	17
Leamington	—	—	8	—	—		—	—	—
Lindsay	—	7	—	—	11		—	—	10
Listowel	—	—	—	—	—		—	—	—
Lively	—	10	—	—	—		—	—	—
London	35	40	30	37	25		26	19	28
Manotick	—	—	—	—	—		—	—	—
Maple	—	—	—	—	—		—	—	—
Markham	9	7	9	—	7		—	—	—
Meaford	—	—	—	—	—		—	—	—

Carotid Endarterectomy Volume by Municipality									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	10	6	7	7	6	—	—	—	
Milton	—	—	—	—	—	—	—	—	
Mississauga	40	42	29	30	37	25	28	22	
Napanee	—	—	—	—	—	—	—	—	
Navan	—	—	—	—	—	—	—	—	
New Hamburg	—	—	—	—	—	—	—	—	
Newmarket	9	6	8	9	—	—	6	8	
Niagara Falls	14	17	15	8	20	8	9	8	
North Bay	14	18	11	13	17	8	11	14	
North York	15	7	13	11	6	7	12	8	
Oakville	18	11	16	9	11	6	—	9	
Orangeville	—	—	—	—	8	—	—	—	
Orillia	8	12	14	16	26	18	14	10	
Oshawa	15	19	13	16	10	11	11	12	
Ottawa	87	96	90	77	63	48	49	40	
Owen Sound	—	—	—	8	—	—	—	—	
Paris	—	—	—	—	—	—	—	—	
Parry Sound	6	10	7	12	7	6	10	6	
Pembroke	9	—	6	7	—	7	—	—	
Penetanguishene	—	—	6	—	8	—	—	—	
Perth	8	—	6	—	—	—	—	—	
Petawawa	—	—	—	—	—	—	—	—	
Peterborough	21	30	28	35	13	14	26	15	
Pickering	7	—	9	—	7	—	—	—	
Port Colborne	—	—	7	9	—	—	—	—	
Port Hope	—	—	—	—	—	—	—	—	
Port Perry	—	—	—	—	—	—	—	—	
Port Stanley	—	—	—	—	—	—	—	—	
Renfrew	—	—	—	—	—	—	—	—	
Richmond Hill	6	9	8	10	10	6	10	10	
Rockland	—	—	—	—	—	—	—	—	
Russell	—	—	—	—	—	—	—	—	
Sarnia	13	9	15	16	8	—	14	—	
Sault Ste. Marie	32	46	33	25	20	26	30	19	
Scarborough	86	88	83	78	61	36	42	43	
Simcoe	—	—	—	7	—	—	—	—	
Sioux Lookout	—	—	—	—	—	—	—	—	
Smiths Falls	6	—	6	—	—	—	—	—	
St. Catharine	24	34	20	24	27	25	20	21	
St. Mary's	—	—	—	—	—	—	—	—	
St. Thomas	8	10	—	6	6	—	—	—	
Stouffville	—	—	—	—	—	—	—	—	
Stratford	6	9	—	—	—	—	—	6	
Strathroy	—	—	—	—	—	—	—	—	
Sturgeon	—	—	—	—	—	—	—	6	
Sudbury	40	29	34	33	29	26	30	29	
Thornhill	10	7	10	8	12	—	10	7	
Thunder Bay	37	34	35	31	38	30	30	35	
Tillsonburg	—	7	—	—	—	—	—	—	
Timmins	24	14	16	24	13	—	10	—	
Toronto	135	123	107	116	89	79	67	72	
Trenton	9	9	—	—	—	—	—	—	
Uxbridge	—	—	—	—	—	—	—	—	
Val Caron	—	—	—	—	—	—	—	—	
Wallaceburg	—	—	8	—	—	—	—	—	
Wasaga Beach	—	—	—	—	—	—	—	—	
Welland	10	7	10	7	12	7	8	6	
Weston	19	22	19	12	21	7	9	13	
Whitby	10	14	8	8	6	—	6	—	
Willowdale	37	25	30	27	17	14	18	17	
Windsor	48	41	44	29	35	28	32	34	
Woodbridge	—	—	—	—	8	9	10	8	
Woodstock	—	—	6	—	—	—	—	—	
Rural	385	403	342	373	341	301	309	310	
Other	19	17	13	14	7	10	9	14	
<b>Ontario Total</b>	<b>1816</b>	<b>1849</b>	<b>1730</b>	<b>1683</b>	<b>1523</b>	<b>1219</b>	<b>1311</b>	<b>1315</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Esophageal Resection Mortality: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—		—	—	—
Ajax	—	—	—	—	—		—	—	—
Alliston	—	—	—	—	—		—	—	—
Amherstburg	—	—	—	—	—		—	—	—
Arnprior	—	—	—	—	—		—	—	—
Aurora	—	—	—	—	—		—	—	—
Aylmer West	—	—	—	—	—		—	—	—
Barrie	—	—	—	—	—		—	—	—
Belleville	—	—	—	—	—		—	—	—
Bolton	—	—	—	—	—		—	—	—
Bowmanville	—	—	—	—	—		—	—	—
Bracebridge	—	—	—	—	—		—	—	—
Bradford	—	—	—	—	—		—	—	—
Brampton	—	—	0.00	—	—		—	—	0.00
Brantford	—	—	—	—	—		—	—	—
Brockville	—	—	—	—	—		—	—	—
Burlington	—	—	—	—	—		—	—	—
Caledon	—	—	—	—	—		—	—	—
Caledonia	—	—	—	—	—		—	—	—
Cambridge	—	—	—	—	—		—	—	—
Carleton Place	—	—	—	—	—		—	—	—
Chatham	—	—	—	—	—		—	—	—
Cobourg	—	—	—	—	—		—	—	—
Collingwood	—	—	—	—	—		—	—	—
Concord	—	—	—	—	—		—	—	—
Corwall	—	—	—	—	—		—	—	—
Cumberland	—	—	—	—	—		—	—	—
Delhi	—	—	—	—	—		—	—	—
Downsview	—	—	—	—	—		—	—	—
Dryden	—	—	—	—	—		—	—	—
Dunnville	—	—	—	—	—		—	—	—
East Gwillimbury	—	—	—	—	—		—	—	—
Elliot Lake	—	—	—	—	—		—	—	—
Elmira	—	—	—	—	—		—	—	—
Espanola	—	—	—	—	—		—	—	—
Essex	—	—	—	—	—		—	—	—
Etobicoke	25.00	—	—	—	—		—	—	—
Fergus	—	—	—	—	—		—	—	—
Fort Erie	—	—	—	—	—		—	—	—
Fort Frances	—	—	—	—	—		—	—	—
Gananoque	—	—	—	—	—		—	—	—
Garson	—	—	—	—	—		—	—	—
Georgetown	—	—	—	—	—		—	—	—
Goderich	—	—	—	—	—		—	—	—
Gravenhurst	—	—	—	—	—		—	—	—
Greely	—	—	—	—	—		—	—	—
Grimsby	—	—	—	—	—		—	—	—
Guelph	—	—	—	—	—		—	—	—
Hamilton	—	—	0.00	—	—		—	16.67	—
Hanmer	—	—	—	—	—		—	—	—
Hanover	—	—	—	—	—		—	—	—
Hawkesbury	—	—	—	—	—		—	—	—
Huntsville	—	—	—	—	—		—	—	—
Ingersoll	—	—	—	—	—		—	—	—
Innisfil	—	—	—	—	—		—	—	—
Kapuskasing	—	—	—	—	—		—	—	—
Kenora	—	—	—	—	—		—	—	—
Keswick	—	—	—	—	—		—	—	—
Kincardine	—	—	—	—	—		—	—	—
King City	—	—	—	—	—		—	—	—
Kingston	—	—	—	—	—		—	—	—
Kingsville	—	—	—	—	—		—	—	—
Kirkland Lake	—	—	—	—	—		—	—	—
Kitchener	—	—	0.00	—	—		33.33	—	—
Leamington	—	—	—	—	—		—	—	—
Lindsay	—	—	—	—	—		—	—	—
Listowel	—	—	—	—	—		—	—	—
Lively	—	—	—	—	—		—	—	—
London	—	—	—	—	—		—	—	0.00
Manotick	—	—	—	—	—		—	—	—
Maple	—	—	—	—	—		—	—	—
Markham	—	—	—	—	—		—	—	—
Meaford	—	—	—	—	—		—	—	—



Esophageal Resection Mortality: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	—	—	—	—	—	—	—	—	
Milton	—	—	—	—	—	—	—	—	
Mississauga	—	—	—	—	—	—	—	0.00	
Napanee	—	—	—	—	—	—	—	—	
Navan	—	—	—	—	—	—	—	—	
New Hamburg	—	—	—	—	—	—	—	—	
Newmarket	—	—	—	—	—	—	—	—	
Niagara Falls	—	—	—	—	—	—	—	—	
North Bay	—	—	—	—	—	—	—	—	
North York	—	—	—	—	—	—	—	—	
Oakville	—	—	—	—	—	—	—	—	
Orangeville	—	—	—	—	—	—	—	—	
Orillia	—	—	—	—	—	—	—	—	
Oshawa	—	—	—	—	—	—	—	—	
Ottawa	—	—	10.00	0.00	9.09	0.00	0.00	0.00	
Owen Sound	—	—	—	—	—	—	—	—	
Paris	—	—	—	—	—	—	—	—	
Parry Sound	—	—	—	—	—	—	—	—	
Pembroke	—	—	—	—	—	—	—	—	
Penetanguishene	—	—	—	—	—	—	—	—	
Perth	—	—	—	—	—	—	—	—	
Petawawa	—	—	—	—	—	—	—	—	
Peterborough	—	—	—	—	—	—	—	—	
Pickering	—	—	—	—	—	—	—	—	
Port Colborne	—	—	—	—	—	—	—	—	
Port Hope	—	—	—	—	—	—	—	—	
Port Perry	—	—	—	—	—	—	—	—	
Port Stanley	—	—	—	—	—	—	—	—	
Renfrew	—	—	—	—	—	—	—	—	
Richmond Hill	—	—	—	—	—	—	—	—	
Rockland	—	—	—	—	—	—	—	—	
Russell	—	—	—	—	—	—	—	—	
Sarnia	—	—	—	—	—	—	—	—	
Sault Ste. Marie	—	—	—	0.00	—	—	—	—	
Scarborough	—	12.50	0.00	—	—	66.67	14.29	14.29	
Simcoe	—	—	—	—	—	—	—	—	
Sioux Lookout	—	—	—	—	—	—	—	—	
Smiths Falls	—	—	—	—	—	—	—	—	
St. Catharine	—	—	—	—	—	—	—	—	
St. Mary's	—	—	—	—	—	—	—	—	
St. Thomas	—	—	—	—	—	—	—	—	
Stouffville	—	—	—	—	—	—	—	—	
Stratford	—	—	—	—	—	—	—	—	
Strathroy	—	—	—	—	—	—	—	—	
Sturgeon	—	—	—	—	—	—	—	—	
Sudbury	—	—	—	—	—	—	—	—	
Thornhill	—	—	—	—	—	—	—	—	
Thunder Bay	—	—	—	—	—	—	—	—	
Tillsonburg	—	—	—	—	—	—	—	—	
Timmins	—	—	—	—	—	—	—	—	
Toronto	10.00	41.67	25.00	22.22	—	12.50	6.67	10.00	
Trenton	—	—	—	—	—	—	—	—	
Uxbridge	—	—	—	—	—	—	—	—	
Val Caron	—	—	—	—	—	—	—	—	
Wallaceburg	—	—	—	—	—	—	—	—	
Wasaga Beach	—	—	—	—	—	—	—	—	
Welland	—	—	—	—	—	—	—	—	
Weston	—	—	—	—	—	—	—	—	
Whitby	—	—	—	—	—	—	—	—	
Willowdale	0.00	—	—	—	—	—	—	0.00	
Windsor	—	—	—	—	—	—	—	—	
Woodbridge	—	—	—	—	—	—	—	—	
Woodstock	—	—	—	—	—	—	—	—	
Rural	18.75	15.79	19.35	20.00	14.29	8.00	7.50	2.86	
Other	—	—	—	—	—	—	—	—	
<b>Ontario Average</b>	<b>11.76</b>	<b>16.52</b>	<b>12.82</b>	<b>11.54%</b>	<b>13.33</b>	<b>13.24</b>	<b>8.75</b>	<b>7.30</b>	
Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002									
"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator $\leq 5$ )									

Pancreatic Resection Surgery Mortality: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—		—	—	—
Ajax	—	—	—	—	—		—	—	—
Alliston	—	—	—	—	—		—	—	—
Amherstburg	—	—	—	—	—		—	—	—
Arnprior	—	—	—	—	—		—	—	—
Aurora	—	—	—	—	—		—	—	—
Aylmer West	—	—	—	—	—		—	—	—
Barrie	—	—	—	—	—		—	—	—
Belleville	—	—	—	—	—		—	—	—
Bolton	—	—	—	—	—		—	—	—
Bowmanville	—	—	—	—	—		—	—	—
Bracebridge	—	—	—	—	—		—	—	—
Bradford	—	—	—	—	—		—	—	—
Brampton	—	—	16.67	—	—		—	—	—
Brantford	—	—	—	—	—		—	—	—
Brockville	—	—	—	—	—		—	—	—
Burlington	—	—	—	—	—		—	—	—
Caledon	—	—	—	—	—		—	—	—
Caledonia	—	—	—	—	—		—	—	—
Cambridge	—	—	—	—	—		—	—	—
Carleton Place	—	—	—	—	—		—	—	—
Chatham	—	—	—	—	—		—	—	—
Cobourg	—	—	—	—	—		—	—	—
Collingwood	—	—	—	—	—		—	—	—
Concord	—	—	—	—	—		—	—	—
Corwall	—	—	—	—	—		—	—	—
Cumberland	—	—	—	—	—		—	—	—
Delhi	—	—	—	—	—		—	—	—
Downsview	—	—	—	—	—		—	—	—
Dryden	—	—	—	—	—		—	—	—
Dunnville	—	—	—	—	—		—	—	—
East Gwillimbury	—	—	—	—	—		—	—	—
Elliot Lake	—	—	—	—	—		—	—	—
Elmira	—	—	—	—	—		—	—	—
Espanola	—	—	—	—	—		—	—	—
Essex	—	—	—	—	—		—	—	—
Etobicoke	—	—	—	14.29	14.29		—	—	—
Fergus	—	—	—	—	—		—	—	—
Fort Erie	—	—	—	—	—		—	—	—
Fort Frances	—	—	—	—	—		—	—	—
Gananoque	—	—	—	—	—		—	—	—
Garson	—	—	—	—	—		—	—	—
Georgetown	—	—	—	—	—		—	—	—
Goderich	—	—	—	—	—		—	—	—
Gravenhurst	—	—	—	—	—		—	—	—
Greely	—	—	—	—	—		—	—	—
Grimsby	—	—	—	—	—		—	—	—
Guelph	—	—	—	—	—		—	—	—
Hamilton	0.00	16.67	28.57	6.67	0.00		10.00	15.38	0.00
Hanmer	—	—	—	—	—		—	—	—
Hanover	—	—	—	—	—		—	—	—
Hawkesbury	—	—	—	—	—		—	—	—
Huntsville	—	—	—	—	—		—	—	—
Ingersoll	—	—	—	—	—		—	—	—
Innisfil	—	—	—	—	—		—	—	—
Kapuskasing	—	—	—	—	—		—	—	—
Kenora	—	—	—	—	—		—	—	—
Keswick	—	—	—	—	—		—	—	—
Kincardine	—	—	—	—	—		—	—	—
King City	—	—	—	—	—		—	—	—
Kingston	—	—	—	—	—		—	—	—
Kingsville	—	—	—	—	—		—	—	—
Kirkland Lake	—	—	—	—	—		—	—	—
Kitchener	—	—	—	—	0.00		—	—	0.00
Leamington	—	—	—	—	—		—	—	—
Lindsay	—	—	—	—	—		—	—	—
Listowel	—	—	—	—	—		—	—	—
Lively	—	—	—	—	—		—	—	—
London	—	—	—	0.00	0.00		16.67	—	—
Manotick	—	—	—	—	—		—	—	—
Maple	—	—	—	—	—		—	—	—
Markham	—	—	—	—	—		0.00	—	—
Meaford	—	—	—	—	—		—	—	—

Pancreatic Resection Surgery Mortality: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	—	—	—	—	—	—	—	—	
Milton	—	—	—	—	—	—	—	—	
Mississauga	0.00	12.50	0.00	0.00	0.00	—	18.18	7.69	
Napanee	—	—	—	—	—	—	—	—	
Navan	—	—	—	—	—	—	—	—	
New Hamburg	—	—	—	—	—	—	—	—	
Newmarket	—	—	—	—	—	—	—	—	
Niagara Falls	—	—	—	—	—	—	16.67	—	
North Bay	—	—	—	—	—	—	—	—	
North York	—	—	—	—	—	—	—	—	
Oakville	—	—	—	—	0.00	—	—	—	
Orangeville	—	—	—	—	—	—	—	—	
Orillia	—	—	—	—	—	—	—	—	
Oshawa	—	—	—	—	—	—	—	—	
Ottawa	0.00	16.67	0.00	0.00	0.00	27.27	10.00	0.00	
Owen Sound	—	—	—	—	—	—	—	—	
Paris	—	—	—	—	—	—	—	—	
Parry Sound	—	—	—	—	—	—	—	—	
Pembroke	—	—	—	—	—	—	—	—	
Penetanguishene	—	—	—	—	—	—	—	—	
Perth	—	—	—	—	—	—	—	—	
Petawawa	—	—	—	—	—	—	—	—	
Peterborough	—	—	—	—	—	—	—	—	
Pickering	—	—	—	—	—	—	—	—	
Port Colborne	—	—	—	—	—	—	—	—	
Port Hope	—	—	—	—	—	—	—	—	
Port Perry	—	—	—	—	—	—	—	—	
Port Stanley	—	—	—	—	—	—	—	—	
Renfrew	—	—	—	—	—	—	—	—	
Richmond Hill	—	—	—	—	—	—	—	—	
Rockland	—	—	—	—	—	—	—	—	
Russell	—	—	—	—	—	—	—	—	
Sarnia	—	—	—	—	—	—	—	—	
Sault Ste. Marie	—	—	—	—	—	—	—	—	
Scarborough	25.00	16.67	0.00	0.00	14.29	11.76	0.00	0.00	
Simcoe	—	—	—	—	—	—	—	—	
Sioux Lookout	—	—	—	—	—	—	—	—	
Smiths Falls	—	—	—	—	—	—	—	—	
St. Catharine	—	—	—	—	—	—	—	—	
St. Mary's	—	—	—	—	—	—	—	—	
St. Thomas	—	—	—	—	—	—	—	—	
Stouffville	—	—	—	—	—	—	—	—	
Stratford	—	—	—	—	—	—	—	—	
Strathroy	—	—	—	—	—	—	—	—	
Sturgeon	—	—	—	—	—	—	—	—	
Sudbury	—	—	—	—	—	—	—	—	
Thornhill	—	—	—	—	—	—	—	—	
Thunder Bay	—	—	—	—	—	—	—	—	
Tillsonburg	—	—	—	—	—	—	—	—	
Timmins	—	—	—	—	—	—	—	—	
Toronto	18.18	0.00	12.50	0.00	0.00	13.33	12.50	0.00	
Trenton	—	—	—	—	—	—	—	—	
Uxbridge	—	—	—	—	—	—	—	—	
Val Caron	—	—	—	—	—	—	—	—	
Wallaceburg	—	—	—	—	—	—	—	—	
Wasaga Beach	—	—	—	—	—	—	—	—	
Welland	—	—	—	—	—	—	—	—	
Weston	—	—	—	—	—	—	—	—	
Whitby	—	—	—	—	—	—	—	—	
Willowdale	—	—	—	—	—	—	14.29	0.00	
Windsor	11.11	—	—	—	—	—	—	0.00	
Woodbridge	—	—	—	—	—	—	—	—	
Woodstock	—	—	—	—	—	—	—	—	
Rural	5.26	0.00	0.00	4.76	6.90	16.67	4.00	4.55	
Other	—	—	—	—	16.67	—	—	—	
<b>Ontario Average</b>	<b>11.27</b>	<b>7.19</b>	<b>6.34</b>	<b>5.11</b>	<b>3.95</b>	<b>8.72</b>	<b>5.29</b>	<b>1.93</b>	
Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002									
"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator $\leq 5$ )									

**Abdominal Aortic Artery (AAA) Repair Mortality: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—	—	—	—
Ajax	14.29	0.00	0.00	18.18	0.00	—	—	—
Alliston	—	—	0.00	—	—	—	—	—
Amherstburg	14.29	—	—	—	—	—	—	—
Arnprior	—	—	—	—	—	—	—	—
Aurora	—	—	—	—	—	—	—	—
Aylmer West	—	16.67	—	—	—	—	—	—
Barrie	0.00	0.00	19.05	7.14	6.67	—	—	—
Belleville	12.50	—	28.57	15.38	12.50	—	—	—
Bolton	—	—	—	—	—	—	—	—
Bowmanville	14.29	14.29	0.00	—	—	—	—	—
Bracebridge	—	33.33	—	—	—	—	—	—
Bradford	—	—	—	—	—	—	—	—
Brampton	7.14	6.25	15.79	12.50	22.22	—	—	—
Brantford	21.43	13.64	20.83	0.00	14.29	—	—	—
Brockville	—	—	—	0.00	—	—	—	—
Burlington	3.57	6.45	3.57	9.38	5.00	—	—	—
Caledon	—	—	—	—	—	—	—	—
Caledonia	—	—	—	—	—	—	—	—
Cambridge	5.88	16.67	12.50	5.26	9.52	—	—	—
Carleton Place	—	—	—	—	—	—	—	—
Chatham	—	—	—	—	—	—	—	—
Cobourg	0.00	—	12.50	—	0.00	—	—	—
Collingwood	—	—	—	—	0.00	—	—	—
Concord	—	—	—	—	—	—	—	—
Cornwall	7.14	11.11	18.75	14.29	0.00	—	—	—
Cumberland	—	—	—	—	—	—	—	—
Delhi	—	—	—	—	—	—	—	—
Downsview	7.69	20.00	16.67	7.69	27.27	—	—	—
Dryden	—	—	—	—	—	—	—	—
Dunnville	—	—	—	—	—	—	—	—
East Gwillimbury	—	—	—	—	—	—	—	—
Elliot Lake	—	22.22	—	0.00	—	—	—	—
Elmira	—	—	—	—	—	—	—	—
Espanola	—	—	—	—	—	—	—	—
Essex	—	—	—	—	—	—	—	—
Etobicoke	11.11	7.69	17.95	14.29	7.41	—	—	—
Fergus	—	—	—	—	—	—	—	—
Fort Erie	—	—	—	—	—	—	—	—
Fort Frances	—	—	—	—	—	—	—	—
Gananoque	—	—	—	—	—	—	—	—
Garson	—	—	—	—	—	—	—	—
Georgetown	11.11	—	—	—	—	—	—	—
Goderich	—	—	—	—	—	—	—	—
Gravenhurst	—	—	—	—	—	—	—	—
Greely	—	—	—	—	—	—	—	—
Grimsby	—	—	—	—	0.00	—	—	—
Guelph	10.00	4.76	0.00	11.11	0.00	—	—	—
Hamilton	16.30	8.25	16.05	7.95	17.14	—	—	—
Hanmer	—	—	—	—	—	—	—	—
Hanover	—	—	—	—	—	—	—	—
Hawkesbury	—	—	16.67	—	—	—	—	—
Huntsville	—	—	—	—	—	—	—	—
Ingersoll	—	—	—	—	—	—	—	—
Innisfil	—	—	—	—	0.00	—	—	—
Kapuskasing	—	—	—	—	—	—	—	—
Kenora	—	—	—	—	—	—	—	—
Keswick	—	—	—	—	—	—	—	—
Kincardine	—	—	—	—	—	—	—	—
King City	—	—	—	—	—	—	—	—
Kingston	10.00	11.11	11.11	12.50	10.00	—	—	—
Kingsville	—	—	—	—	—	—	—	—
Kirkland Lake	—	—	—	—	—	—	—	—
Kitchener	22.22	13.64	12.00	10.00	18.75	—	—	—
Leamington	—	—	—	—	—	—	—	—
Lindsay	—	20.00	0.00	—	25.00	—	—	—
Listowel	—	—	—	—	—	—	—	—
Lively	—	—	—	—	—	—	—	—
London	4.26	20.69	7.14	0.00	14.29	—	—	—
Manotick	—	—	—	—	—	—	—	—
Maple	—	—	—	—	—	—	—	—
Markham	11.11	0.00	18.18	0.00	0.00	—	—	—
Meaford	—	—	—	—	—	—	—	—

Abdominal Aortic Artery (AAA) Repair Mortality: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—		—	—	—
Milton	—	—	0.00	—	—		—	—	—
Mississauga	11.90	7.69	2.70	1.89	7.69		—	—	—
Napanee	—	—	—	—	0.00		—	—	—
Navan	—	—	—	—	—		—	—	—
New Hamburg	—	—	—	—	—		—	—	—
Newmarket	0.00	—	14.29	—	—		—	—	—
Niagara Falls	20.00	11.76	0.00	0.00	16.67		—	—	—
North Bay	0.00	6.67	22.22	14.29	15.38		—	—	—
North York	12.50	35.71	16.67	25.00	—		—	—	—
Oakville	8.33	0.00	6.67	7.14	7.14		—	—	—
Orangeville	—	—	—	16.67	—		—	—	—
Orillia	0.00	35.71	0.00	0.00	14.29		—	—	—
Oshawa	10.00	9.09	12.00	8.57	8.00		—	—	—
Ottawa	7.61	13.04	12.17	10.71	6.41		—	—	—
Owen Sound	0.00	0.00	0.00	16.67	8.33		—	—	—
Paris	—	—	—	—	—		—	—	—
Parry Sound	—	—	—	—	—		—	—	—
Pembroke	11.11	14.29	—	—	—		—	—	—
Penetanguishene	—	—	—	—	—		—	—	—
Perth	16.67	—	—	—	—		—	—	—
Petawawa	—	—	—	—	—		—	—	—
Peterborough	4.17	4.55	11.76	0.00	0.00		—	—	—
Pickering	—	—	0.00	16.67	20.00		—	—	—
Port Colborne	0.00	11.11	—	—	—		—	—	—
Port Hope	—	16.67	—	—	—		—	—	—
Port Perry	—	—	—	—	—		—	—	—
Port Stanley	—	—	—	—	—		—	—	—
Renfrew	—	—	—	—	—		—	—	—
Richmond Hill	22.22	11.11	25.00	—	—		—	—	—
Rockland	—	—	—	—	—		—	—	—
Russell	—	—	—	—	—		—	—	—
Sarnia	0.00	0.00	8.33	10.00	10.00		—	—	—
Sault Ste. Marie	6.25	0.00	0.00	0.00	0.00		—	—	—
Scarborough	13.33	6.78	13.43	5.88	9.52		—	—	—
Simcoe	—	0.00	—	—	—		—	—	—
Sioux Lookout	—	—	—	—	—		—	—	—
Smiths Falls	—	0.00	—	—	—		—	—	—
St. Catharine	7.41	17.07	5.00	3.70	9.52		—	—	—
St. Mary's	—	—	—	—	—		—	—	—
St. Thomas	0.00	—	—	—	—		—	—	—
Stouffville	—	—	—	—	—		—	—	—
Stratford	—	—	—	—	—		—	—	—
Strathroy	—	—	—	—	—		—	—	—
Sturgeon	—	—	—	—	—		—	—	—
Sudbury	0.00	0.00	6.25	20.69	12.50		—	—	—
Thornhill	0.00	11.11	11.11	0.00	0.00		—	—	—
Thunder Bay	7.69	15.38	10.53	8.70	11.11		—	—	—
Tillsonburg	—	—	—	—	—		—	—	—
Timmins	0.00	—	—	—	—		—	—	—
Toronto	13.98	14.29	12.77	9.89	11.11		—	—	—
Trenton	—	—	—	0.00	0.00		—	—	—
Uxbridge	—	—	—	—	—		—	—	—
Val Caron	—	—	—	—	—		—	—	—
Wallaceburg	—	—	—	—	—		—	—	—
Wasaga Beach	—	—	—	—	—		—	—	—
Wellsand	15.38	0.00	17.65	25.00	0.00		—	—	—
Weston	14.29	16.67	37.50	9.09	15.79		—	—	—
Whitby	0.00	—	0.00	15.38	9.09		—	—	—
Willowdale	15.15	4.35	5.26	7.14	20.83		—	—	—
Windsor	15.69	4.76	9.09	7.69	3.33		—	—	—
Woodbridge	0.00	—	—	—	—		—	—	—
Woodstock	9.09	—	—	—	—		—	—	—
Rural	8.14	7.62	9.78	10.49	8.44		—	—	—
Other	21.43	36.00	7.14	20.83	6.25		—	—	—
<b>Ontario Average</b>	<b>9.85</b>	<b>10.30</b>	<b>10.71</b>	<b>8.93</b>	<b>9.38</b>		<b>—</b>	<b>—</b>	<b>—</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Coronary Artery Bypass Graft (CABG) Mortality: Observed Rate by Municipality (percent)								
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	0.00	0.00	7.69	11.11	0.00	9.09	0.00
Ajax	2.44	4.55	0.00	3.13	0.00	4.76	2.44	0.00
Alliston	0.00	12.50	0.00	11.11	14.29	0.00	16.67	5.00
Amherstburg	0.00	7.14	0.00	0.00	0.00	0.00	0.00	0.00
Arnprior	0.00	0.00	0.00	5.56	0.00	0.00	0.00	12.50
Aurora	0.00	0.00	9.52	0.00	0.00	2.86	7.14	13.04
Aylmer West	0.00	9.09	0.00	0.00	0.00	0.00	0.00	7.69
Barrie	5.77	0.00	0.00	3.95	3.23	5.32	2.82	2.22
Belleville	5.00	0.00	9.80	1.64	7.69	3.13	5.56	2.27
Bolton	0.00	0.00	0.00	0.00	0.00	0.00	5.88	16.67
Bowmanville	0.00	0.00	0.00	0.00	4.65	0.00	0.00	0.00
Bracebridge	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00
Bradford	14.29	0.00	0.00	0.00	5.56	0.00	0.00	0.00
Brampton	4.62	0.94	2.40	2.50	2.74	2.37	1.86	2.36
Brantford	2.60	0.00	0.00	2.86	1.39	2.04	0.00	5.95
Brockville	0.00	2.86	7.50	16.13	2.86	0.00	3.23	2.56
Burlington	3.13	1.74	3.91	1.49	3.68	0.81	3.29	2.03
Caledon	—	—	—	—	—	—	—	—
Caledonia	0.00	0.00	6.25	—	—	9.09	6.67	9.09
Cambridge	2.90	1.54	4.21	2.86	3.70	2.78	2.11	1.18
Carleton Place	18.18	17.65	0.00	0.00	0.00	0.00	0.00	0.00
Chatham	5.13	0.00	0.00	5.26	0.00	0.00	0.00	0.00
Cobourg	0.00	0.00	5.00	4.17	0.00	0.00	3.85	3.70
Collingwood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concord	—	—	—	0.00	11.11	11.11	0.00	0.00
Cornwall	0.00	2.33	1.82	4.08	4.69	3.45	3.33	2.08
Cumberland	—	—	—	—	—	0.00	—	0.00
Delhi	0.00	12.50	0.00	0.00	—	0.00	0.00	—
Downsview	3.57	2.97	2.86	2.08	1.02	1.35	1.18	2.53
Dryden	—	—	—	—	—	—	—	—
Dunnville	0.00	0.00	0.00	0.00	7.14	9.09	0.00	5.56
East Gwillimbury	0.00	—	0.00	0.00	0.00	0.00	—	12.50
Elliot Lake	8.00	0.00	23.81	0.00	0.00	5.88	0.00	4.17
Elmira	—	—	0.00	0.00	—	0.00	—	0.00
Espanola	0.00	—	—	0.00	12.50	—	0.00	—
Essex	12.50	0.00	0.00	0.00	—	0.00	0.00	—
Etobicoke	3.17	3.57	2.06	2.65	1.75	3.46	2.89	1.72
Fergus	0.00	0.00	0.00	—	0.00	—	0.00	0.00
Fort Erie	0.00	0.00	0.00	12.50	0.00	0.00	0.00	0.00
Fort Frances	—	—	—	—	—	—	—	—
Gananoque	0.00	22.22	9.09	9.09	0.00	0.00	0.00	—
Garson	0.00	0.00	0.00	12.50	0.00	0.00	—	—
Georgetown	8.33	5.00	0.00	0.00	0.00	0.00	0.00	10.53
Goderich	0.00	0.00	0.00	0.00	0.00	0.00	6.25	0.00
Gravenhurst	—	0.00	0.00	0.00	0.00	0.00	0.00	5.00
Greely	—	0.00	—	—	0.00	16.67	—	—
Grimsby	0.00	0.00	12.50	5.26	0.00	4.55	0.00	5.26
Guelph	0.00	5.88	3.51	4.23	0.00	4.49	2.50	1.18
Hamilton	3.83	4.48	3.10	6.46	1.35	2.94	3.06	2.70
Hanmer	0.00	0.00	7.14	0.00	0.00	10.00	0.00	0.00
Hanover	0.00	10.00	0.00	0.00	—	0.00	—	0.00
Hawkesbury	0.00	9.09	0.00	0.00	0.00	—	0.00	33.33
Huntsville	0.00	6.67	0.00	9.09	0.00	5.00	12.50	0.00
Ingersoll	0.00	9.09	10.00	0.00	0.00	0.00	0.00	0.00
Innisfil	—	—	—	0.00	6.25	0.00	0.00	4.76
Kapuskasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kenora	—	—	—	—	—	—	—	—
Keswick	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kincardine	0.00	0.00	8.33	0.00	0.00	0.00	0.00	9.09
King City	—	0.00	0.00	0.00	8.33	0.00	—	0.00
Kingston	2.36	3.42	4.41	6.35	2.90	2.54	4.65	4.84
Kingsville	6.67	0.00	0.00	0.00	0.00	16.67	0.00	12.50
Kirkland Lake	0.00	0.00	0.00	0.00	0.00	—	—	12.50
Kitchener	0.76	2.16	3.82	3.05	3.72	2.34	1.26	1.18
Leamington	4.55	9.09	0.00	0.00	0.00	0.00	0.00	13.33
Lindsay	0.00	8.33	2.86	3.57	0.00	4.76	5.26	5.77
Listowel	0.00	—	—	—	0.00	0.00	—	0.00
Lively	0.00	0.00	0.00	0.00	—	—	0.00	0.00
London	4.22	5.73	2.85	2.64	2.76	2.91	3.33	4.95
Manotick	—	0.00	0.00	0.00	—	0.00	—	—
Maple	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Markham	1.27	0.00	2.13	3.33	2.88	1.04	3.88	0.88
Meaford	0.00	0.00	—	0.00	—	—	—	—



Coronary Artery Bypass Graft (CABG) Mortality: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	5.26	0.00	0.00	8.33	0.00	0.00	13.64	4.00	
Milton	4.76	0.00	0.00	0.00	0.00	0.00	3.57	0.00	
Mississauga	2.70	2.36	0.71	2.39	3.28	2.42	2.11	2.61	
Napanee	0.00	0.00	0.00	0.00	5.00	6.67	0.00	0.00	
Navan	—	—	—	—	—	—	—	—	
New Hamburg	—	—	—	—	—	—	0.00	—	
Newmarket	8.33	5.00	2.70	7.84	6.78	6.12	0.00	6.67	
Niagara Falls	3.51	10.96	5.97	4.55	3.77	0.00	1.75	2.60	
North Bay	3.77	1.56	1.47	3.39	0.00	0.00	0.00	0.00	
North York	1.56	5.33	1.85	3.03	1.64	1.35	0.00	8.47	
Oakville	0.00	3.00	1.47	0.00	1.10	0.87	0.83	1.56	
Orangeville	0.00	10.00	0.00	0.00	5.00	0.00	5.41	8.33	
Orillia	3.03	2.94	4.55	2.50	2.78	0.00	6.98	8.00	
Oshawa	2.06	1.04	0.92	2.70	1.00	3.23	1.92	3.23	
Ottawa	3.56	4.23	4.21	5.12	6.09	2.72	2.58	3.08	
Owen Sound	5.00	3.33	5.56	5.26	0.00	0.00	0.00	3.70	
Paris	0.00	—	0.00	10.00	0.00	15.38	—	0.00	
Parry Sound	0.00	0.00	9.09	0.00	0.00	0.00	0.00	0.00	
Pembroke	10.71	0.00	3.33	4.55	4.76	4.76	0.00	0.00	
Penetanguishene	0.00	0.00	10.00	6.25	0.00	0.00	0.00	10.00	
Perth	0.00	0.00	0.00	0.00	9.09	0.00	14.29	0.00	
Petawawa	0.00	0.00	—	—	0.00	0.00	0.00	0.00	
Peterborough	1.22	2.27	3.75	1.71	1.61	1.67	1.98	0.96	
Pickering	2.27	2.00	3.28	0.00	2.82	4.76	0.00	0.00	
Port Colborne	7.14	9.09	3.70	5.00	0.00	4.76	0.00	4.35	
Port Hope	0.00	7.14	7.69	0.00	0.00	3.70	0.00	7.14	
Port Perry	0.00	0.00	0.00	0.00	—	0.00	16.67	9.09	
Port Stanley	—	—	—	0.00	—	—	—	0.00	
Renfrew	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	
Richmond Hill	2.50	2.08	2.53	1.06	1.01	5.38	5.26	2.00	
Rockland	14.29	0.00	—	0.00	0.00	0.00	—	—	
Russell	—	—	—	—	—	—	—	—	
Sarnia	1.92	3.77	5.45	2.99	1.72	1.35	1.61	4.62	
Sault Ste. Marie	0.91	0.86	1.11	2.88	3.30	3.26	0.00	1.33	
Scarborough	0.97	2.93	1.31	3.37	1.36	0.79	2.88	3.32	
Simcoe	0.00	7.69	7.69	6.67	0.00	0.00	0.00	0.00	
Sioux Lookout	—	—	—	—	—	—	—	—	
Smiths Falls	6.25	5.56	0.00	0.00	0.00	8.70	0.00	0.00	
St. Catharine	3.77	2.36	1.92	1.42	4.41	3.09	2.27	1.34	
St. Mary's	0.00	—	—	0.00	0.00	0.00	—	0.00	
St. Thomas	0.00	0.00	0.00	9.09	2.86	0.00	2.86	7.41	
Stouffville	0.00	0.00	7.14	0.00	0.00	6.25	3.23	0.00	
Stratford	6.25	0.00	7.14	5.56	0.00	3.85	0.00	0.00	
Strathroy	0.00	—	8.33	12.50	12.50	0.00	0.00	0.00	
Sturgeon	—	—	—	—	—	—	0.00	9.09	
Sudbury	3.60	3.60	4.39	5.88	5.33	3.80	0.00	1.67	
Thornhill	1.25	2.20	2.25	2.70	6.00	2.41	2.82	3.85	
Thunder Bay	0.78	1.71	2.70	4.08	0.88	1.48	1.05	3.41	
Tillsonburg	23.08	5.00	0.00	—	7.14	6.25	0.00	5.00	
Timmins	5.00	0.00	2.70	2.94	2.70	6.67	0.00	6.67	
Toronto	3.72	2.40	3.52	1.96	2.26	2.56	3.40	4.54	
Trenton	8.33	5.26	0.00	0.00	6.45	0.00	3.85	10.00	
Uxbridge	0.00	0.00	0.00	7.69	8.33	0.00	0.00	0.00	
Val Caron	0.00	0.00	0.00	0.00	0.00	—	—	—	
Wallaceburg	0.00	0.00	10.00	20.00	0.00	0.00	11.11	0.00	
Wasaga Beach	—	—	—	—	—	—	—	—	
Welland	2.70	4.00	5.66	0.00	3.57	3.57	2.33	5.45	
Weston	5.13	7.45	1.18	1.15	2.50	2.15	3.53	3.23	
Whitby	4.84	8.11	2.13	2.50	0.00	0.00	0.00	6.67	
Willowdale	1.04	3.24	2.45	1.08	2.37	1.95	3.14	3.16	
Windsor	2.84	3.05	3.85	1.60	1.18	2.15	2.58	3.24	
Woodbridge	0.00	2.86	0.00	0.00	4.26	0.00	2.27	3.28	
Woodstock	0.00	0.00	0.00	6.45	7.41	0.00	2.33	0.00	
Rural	2.24	1.66	3.10	2.15	2.67	2.37	2.58	3.21	
Other	3.74	4.09	2.32	3.23	2.09	4.41	5.61	3.76	
<b>Ontario Average</b>	<b>2.69</b>	<b>2.85</b>	<b>2.83</b>	<b>2.87</b>	<b>2.62</b>	<b>2.43</b>	<b>2.57</b>	<b>3.16</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Craniotomy Mortality: Observed Rate by Municipality (percent)								
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	14.29	0.00	0.00	16.67	—	—
Ajax	5.88	13.33	10.00	0.00	0.00	0.00	0.00	0.00
Alliston	—	—	—	16.67	—	—	12.50	—
Amherstburg	0.00	0.00	0.00	0.00	—	0.00	—	10.00
Arnprior	—	—	—	—	—	—	—	—
Aurora	—	0.00	16.67	12.50	0.00	10.00	6.67	0.00
Aylmer West	—	—	—	—	—	—	—	—
Barrie	17.24	7.14	5.71	0.00	0.00	6.67	15.15	4.65
Belleville	0.00	0.00	15.38	8.70	18.18	6.67	11.11	8.33
Bolton	—	—	—	—	14.29	—	—	0.00
Bowmanville	11.11	9.09	0.00	0.00	25.00	0.00	0.00	18.75
Bracebridge	—	—	—	—	—	—	0.00	0.00
Bradford	—	—	—	—	—	—	—	—
Brampton	3.17	0.00	3.64	5.56	11.11	10.00	1.52	8.24
Brantford	9.09	12.50	23.08	0.00	0.00	0.00	7.69	8.00
Brockville	0.00	—	11.11	—	22.22	10.00	0.00	0.00
Burlington	5.41	4.35	5.00	10.71	4.88	2.78	3.23	0.00
Caledon	—	—	—	—	—	—	—	—
Caledonia	—	14.29	—	0.00	—	—	0.00	0.00
Cambridge	7.14	3.45	10.53	0.00	0.00	4.00	3.23	3.70
Carleton Place	—	—	—	—	—	—	—	0.00
Chatham	8.33	0.00	9.09	0.00	0.00	14.29	0.00	25.00
Cobourg	14.29	—	16.67	0.00	42.86	—	22.22	—
Collingwood	—	—	—	—	0.00	—	0.00	0.00
Concord	—	—	—	—	—	—	—	—
Cornwall	25.00	23.08	0.00	7.69	11.11	0.00	11.11	14.29
Cumberland	—	—	—	—	—	—	—	—
Delhi	—	—	—	—	—	—	16.67	—
Downsview	6.52	9.09	7.14	6.06	7.69	6.12	9.76	10.71
Dryden	—	—	—	—	—	—	—	—
Dunnville	—	—	—	—	—	—	—	0.00
East Gwillimbury	—	—	0.00	—	—	—	—	—
Elliot Lake	—	11.11	—	0.00	16.67	16.67	0.00	16.67
Elmira	—	—	—	—	—	—	—	—
Espanola	—	—	—	—	—	—	—	—
Essex	—	33.33	0.00	—	—	14.29	—	—
Etobicoke	5.33	6.82	12.50	4.41	7.14	10.96	0.00	8.24
Fergus	—	—	—	—	—	—	14.29	—
Fort Erie	0.00	14.29	—	—	—	—	—	14.29
Fort Frances	—	—	—	—	—	—	—	—
Gananoque	—	—	—	—	—	—	—	—
Garson	—	—	—	—	—	—	—	—
Georgetown	0.00	12.50	0.00	0.00	14.29	0.00	0.00	10.00
Goderich	—	0.00	—	0.00	0.00	—	16.67	—
Gravenhurst	—	—	—	—	—	14.29	—	—
Greely	—	—	—	—	—	—	—	—
Grimsby	0.00	—	—	—	0.00	16.67	12.50	0.00
Guelph	4.35	6.67	0.00	17.14	9.38	10.71	10.26	3.33
Hamilton	9.72	9.24	13.64	13.38	11.94	7.59	12.30	8.33
Hanmer	—	—	—	—	—	—	—	—
Hanover	—	—	—	—	—	—	—	—
Hawkesbury	—	—	—	0.00	—	—	—	—
Huntsville	—	—	—	—	—	—	—	—
Ingersoll	—	—	—	—	—	—	—	—
Innisfil	—	—	—	—	—	—	—	0.00
Kapuskasing	—	—	—	—	—	0.00	—	—
Kenora	—	—	—	—	—	—	—	—
Keswick	—	8.33	16.67	—	33.33	—	—	—
Kincardine	—	—	—	—	—	—	—	—
King City	—	—	—	—	—	—	—	—
Kingston	18.42	4.35	14.89	10.00	22.50	16.67	4.88	12.12
Kingsville	—	—	—	—	—	14.29	—	—
Kirkland Lake	—	—	—	—	—	—	—	—
Kitchener	3.41	8.57	2.94	6.90	10.71	4.76	8.45	6.45
Leamington	0.00	0.00	12.50	0.00	0.00	—	7.69	—
Lindsay	—	0.00	—	—	33.33	0.00	0.00	0.00
Listowel	—	—	—	—	—	—	—	—
Lively	—	—	—	—	—	—	—	—
London	5.75	7.27	3.74	1.89	7.56	6.56	5.36	8.75
Manotick	—	—	16.67	—	—	—	—	—
Maple	—	—	0.00	0.00	—	0.00	0.00	9.09
Markham	8.33	4.17	6.45	3.45	0.00	2.78	0.00	8.16
Meaford	14.29	—	—	—	—	—	—	—

Craniotomy Mortality: Observed Rate by Municipality (percent)								
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	—	0.00	0.00	12.50	—	—	—	—
Milton	0.00	10.00	—	0.00	0.00	16.67	0.00	10.00
Mississauga	8.06	11.51	5.84	4.96	5.76	7.25	3.73	5.45
Napanee	0.00	—	—	—	0.00	—	—	—
Navan	—	—	—	—	—	—	—	—
New Hamburg	—	—	—	—	—	—	—	—
Newmarket	0.00	5.26	0.00	0.00	0.00	0.00	3.70	0.00
Niagara Falls	11.54	10.00	15.38	15.38	16.67	3.70	4.76	5.00
North Bay	0.00	0.00	0.00	10.00	15.38	7.69	8.33	5.88
North York	5.26	28.57	7.69	6.90	22.73	12.50	4.00	0.00
Oakville	7.14	13.16	16.22	11.11	7.89	2.94	9.76	3.45
Orangeville	0.00	—	11.11	0.00	0.00	0.00	11.11	10.00
Orillia	41.67	10.00	8.33	0.00	11.11	0.00	11.11	0.00
Oshawa	5.71	10.71	6.06	9.38	5.13	2.94	12.50	9.38
Ottawa	9.14	6.25	9.55	8.67	6.09	7.25	12.17	8.00
Owen Sound	12.50	28.57	0.00	9.09	0.00	—	0.00	—
Paris	—	—	—	0.00	—	—	—	—
Parry Sound	—	0.00	—	—	—	—	—	—
Pembroke	11.11	8.33	0.00	10.00	—	0.00	11.11	0.00
Penetanguishene	0.00	—	—	—	—	—	—	—
Perth	—	—	—	—	—	—	—	—
Petawawa	—	—	—	—	—	—	—	—
Peterborough	11.54	4.00	12.50	10.71	13.33	0.00	0.00	0.00
Pickering	0.00	5.00	5.56	14.29	5.00	6.67	4.55	15.38
Port Colborne	—	—	—	0.00	—	—	—	14.29
Port Hope	—	—	0.00	—	14.29	—	—	—
Port Perry	—	—	—	0.00	—	—	—	—
Port Stanley	—	—	—	—	—	—	—	—
Renfrew	—	—	—	—	—	—	—	—
Richmond Hill	15.38	4.35	15.38	9.09	0.00	2.38	8.70	7.14
Rockland	—	—	—	—	—	—	—	—
Russell	—	—	—	—	—	—	—	—
Sarnia	13.33	0.00	12.50	0.00	4.55	0.00	8.00	8.70
Sault Ste. Marie	8.70	4.17	15.15	4.17	0.00	5.56	9.09	0.00
Scarborough	7.32	9.72	10.37	4.76	6.25	6.96	4.32	5.29
Simcoe	16.67	11.11	—	0.00	—	—	—	16.67
Sioux Lookout	—	—	—	—	—	—	—	—
Smiths Falls	0.00	—	0.00	—	10.00	—	—	0.00
St. Catharine	4.00	5.71	5.00	6.45	2.50	6.82	9.52	2.63
St. Mary's	—	—	0.00	—	—	—	—	—
St. Thomas	0.00	9.09	0.00	9.09	0.00	0.00	0.00	6.25
Stouffville	—	—	—	—	—	0.00	—	—
Stratford	—	—	0.00	0.00	0.00	—	0.00	0.00
Strathroy	—	—	—	—	—	—	16.67	—
Sturgeon	—	—	—	—	—	—	—	—
Sudbury	17.14	14.63	12.50	13.79	4.76	19.05	2.78	7.69
Thornhill	3.57	4.17	16.67	0.00	5.56	0.00	4.76	4.55
Thunder Bay	7.89	6.25	0.00	8.33	0.00	3.85	4.55	7.69
Tillsonburg	—	—	10.00	—	0.00	—	—	16.67
Timmins	—	7.14	0.00	9.09	0.00	0.00	—	—
Toronto	6.49	12.50	11.04	9.78	9.59	7.26	7.37	3.30
Trenton	0.00	—	—	—	11.11	11.11	12.50	0.00
Uxbridge	—	—	—	—	—	—	—	—
Val Caron	—	—	—	—	—	—	—	—
Wallaceburg	—	—	—	—	—	0.00	—	—
Wasaga Beach	—	—	—	—	—	—	—	—
Welland	16.67	9.09	0.00	11.11	6.67	22.22	10.53	8.70
Weston	9.09	11.11	5.41	18.52	11.43	8.57	2.86	3.33
Whitby	7.69	0.00	6.25	4.55	26.09	3.70	0.00	7.41
Willowdale	9.09	7.27	10.00	17.39	5.88	6.25	5.08	7.46
Windsor	5.56	16.88	8.57	11.96	12.35	4.44	10.47	6.14
Woodbridge	0.00	0.00	8.33	0.00	18.75	6.67	3.85	7.41
Woodstock	0.00	0.00	0.00	—	11.76	8.33	0.00	0.00
Rural	8.25	7.11	7.64	6.11	5.71	5.47	5.14	6.58
Other	11.68	9.60	5.38	9.09	6.36	9.52	9.48	6.12
<b>Ontario Average</b>	<b>7.72</b>	<b>8.23</b>	<b>8.35</b>	<b>7.23</b>	<b>7.59</b>	<b>6.31</b>	<b>6.49</b>	<b>6.20</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Hip Replacement Mortality: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	0.00	16.67	0.00	0.00
Ajax	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alliston	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amherstburg	0.00	7.14	0.00	0.00	0.00	0.00	0.00	0.00
Arnprior	0.00	—	—	—	0.00	0.00	0.00	0.00
Aurora	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aylmer West	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00
Barrie	0.00	0.00	0.00	0.00	0.00	1.52	0.00	1.27
Belleville	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bolton	0.00	0.00	—	—	0.00	0.00	0.00	0.00
Bowmanville	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bracebridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bradford	0.00	0.00	—	0.00	—	12.50	0.00	—
Brampton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brantford	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32
Brockville	—	—	—	0.00	—	0.00	0.00	0.00
Burlington	0.00	0.00	0.00	0.90	0.83	0.00	0.00	0.00
Caledon	—	—	—	—	—	—	—	—
Caledonia	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Cambridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Carleton Place	—	—	—	—	—	—	0.00	0.00
Chatham	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cobourg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Collingwood	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Concord	—	—	—	—	—	—	—	—
Cornwall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cumberland	—	—	—	—	—	—	—	—
Delhi	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Downsview	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12
Dryden	—	—	0.00	—	—	0.00	—	0.00
Dunnville	—	0.00	0.00	0.00	0.00	12.50	0.00	0.00
East Gwillimbury	—	—	—	—	0.00	—	0.00	0.00
Elliot Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Elmira	0.00	—	0.00	0.00	—	0.00	0.00	7.69
Espanola	—	0.00	—	—	—	—	0.00	—
Essex	0.00	0.00	0.00	0.00	—	0.00	—	0.00
Etobicoke	0.94	0.00	0.83	0.00	0.67	1.10	0.00	0.00
Fergus	—	—	—	—	—	—	0.00	0.00
Fort Erie	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Frances	—	—	0.00	—	—	—	—	—
Gananoque	0.00	0.00	0.00	0.00	—	0.00	—	0.00
Garson	—	—	—	—	—	—	—	—
Georgetown	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Goderich	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gravenhurst	0.00	—	0.00	—	0.00	10.00	0.00	0.00
Greely	—	—	—	—	—	—	—	—
Grimsby	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Guelph	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hamilton	0.00	0.43	0.36	0.00	0.64	0.34	0.31	0.58
Hanmer	—	0.00	0.00	—	0.00	0.00	0.00	0.00
Hanover	—	—	—	—	—	—	0.00	0.00
Hawkesbury	—	—	—	—	—	—	—	0.00
Huntsville	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ingersoll	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Innisfil	—	—	—	—	0.00	0.00	0.00	0.00
Kapuskasing	—	—	—	—	—	—	—	—
Kenora	—	—	0.00	—	—	—	—	—
Keswick	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00
Kincardine	0.00	0.00	—	—	0.00	0.00	0.00	0.00
King City	—	—	—	0.00	—	—	0.00	0.00
Kingston	0.00	0.00	1.28	0.00	0.00	1.43	0.00	0.71
Kingsville	8.33	0.00	—	0.00	0.00	0.00	0.00	0.00
Kirkland Lake	—	—	—	—	—	—	—	—
Kitchener	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53
Leamington	11.11	0.00	0.00	0.00	10.00	0.00	0.00	0.00
Lindsay	5.00	5.56	0.00	0.00	4.76	0.00	0.00	0.00
Listowel	—	—	—	—	—	0.00	—	0.00
Lively	—	—	—	0.00	0.00	0.00	0.00	0.00
London	0.00	0.57	0.00	0.00	0.52	1.30	0.38	1.01
Manotick	—	—	0.00	—	0.00	0.00	0.00	0.00
Maple	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Markham	3.85	0.00	0.00	0.00	0.00	0.00	0.00	1.39
Meaford	—	0.00	—	0.00	—	0.00	—	—

**Hip Replacement Mortality: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	0.00	0.00	0.00	—	0.00	0.00	0.00	7.14
Milton	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mississauga	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.40
Napanee	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00
Navan	—	—	—	—	—	—	—	—
New Hamburg	—	—	—	—	—	—	0.00	0.00
Newmarket	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niagara Falls	2.86	0.00	0.00	2.63	2.00	1.75	0.00	0.00
North Bay	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00
North York	0.00	0.00	1.67	0.00	0.00	0.00	2.22	0.00
Oakville	1.49	1.47	0.00	0.00	0.00	0.00	0.00	0.00
Orangeville	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Orillia	0.00	5.88	0.00	0.00	0.00	0.00	0.00	0.00
Oshawa	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00
Ottawa	0.00	0.00	0.35	0.00	0.35	0.27	0.26	0.45
Owen Sound	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paris	0.00	0.00	0.00	—	—	0.00	0.00	0.00
Parry Sound	0.00	0.00	0.00	0.00	7.69	0.00	0.00	0.00
Pembroke	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Penetanguishene	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perth	—	—	—	—	—	0.00	0.00	0.00
Petawawa	—	—	—	—	—	0.00	0.00	—
Peterborough	0.00	0.00	0.00	0.00	0.00	0.00	0.91	1.01
Pickering	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00
Port Colborne	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Port Hope	11.11	0.00	0.00	11.11	0.00	0.00	0.00	0.00
Port Perry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Port Stanley	—	—	—	—	—	—	—	—
Renfrew	0.00	—	0.00	0.00	—	9.09	0.00	0.00
Richmond Hill	0.00	0.00	0.00	0.00	0.00	2.33	1.85	1.56
Rockland	—	—	—	—	—	11.11	—	0.00
Russell	—	—	—	—	—	—	—	—
Sarnia	0.00	0.00	1.75	0.00	0.00	0.00	0.00	1.47
Sault Ste. Marie	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scarborough	0.00	0.90	0.00	0.41	0.00	0.38	0.36	0.00
Simcoe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sioux Lookout	—	—	—	—	—	—	—	—
Smiths Falls	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00
St. Catharine	0.00	0.00	0.97	0.00	1.72	0.00	0.76	0.00
St. Mary's	0.00	—	—	—	—	—	0.00	0.00
St. Thomas	0.00	0.00	0.00	0.00	0.00	0.00	2.50	2.33
Stouffville	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stratford	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Strathroy	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sturgeon	—	—	—	—	—	—	0.00	0.00
Sudbury	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thornhill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thunder Bay	1.41	0.00	0.00	0.00	0.00	1.65	0.00	0.00
Tillsonburg	7.14	0.00	0.00	0.00	5.26	0.00	0.00	4.17
Timmins	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toronto	0.68	0.22	0.19	0.80	0.21	0.19	0.00	0.48
Trenton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uxbridge	—	—	0.00	—	0.00	0.00	0.00	0.00
Val Caron	—	—	—	—	—	—	0.00	0.00
Wallaceburg	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wasaga Beach	—	—	—	—	—	—	—	0.00
Welland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Weston	0.00	0.00	0.00	1.75	0.00	3.08	0.00	0.00
Whitby	0.00	0.00	0.00	0.00	3.13	2.50	0.00	0.00
Willowdale	0.76	0.00	0.00	0.00	0.00	1.31	0.00	0.70
Windsor	0.83	0.00	0.00	0.00	0.00	0.00	0.67	0.00
Woodbridge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Woodstock	0.00	5.56	0.00	0.00	0.00	3.33	0.00	2.78
Rural	0.10	0.21	0.56	0.28	0.28	0.30	0.21	0.18
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Ontario Average</b>	<b>0.37</b>	<b>0.23</b>	<b>0.27</b>	<b>0.25</b>	<b>0.33</b>	<b>0.45</b>	<b>0.19</b>	<b>0.35</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Acute Myocardial Infarction (AMI) Mortality: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—	21.05	5.56	11.11
Ajax	—	—	—	—	—	9.77	8.73	14.29
Alliston	—	—	—	—	—	10.81	25.00	18.42
Amherstburg	—	—	—	—	—	10.87	11.43	14.81
Amprior	—	—	—	—	—	16.67	27.78	10.00
Aurora	—	—	—	—	—	13.16	13.04	8.82
Aylmer West	—	—	—	—	—	10.00	6.67	12.12
Barrie	—	—	—	—	—	9.50	10.69	9.96
Belleville	—	—	—	—	—	11.01	13.27	4.92
Bolton	—	—	—	—	—	3.13	3.13	6.45
Bowmanville	—	—	—	—	—	15.60	7.77	13.73
Bracebridge	—	—	—	—	—	12.12	15.38	9.30
Bradford	—	—	—	—	—	13.04	0.00	0.00
Brampton	—	—	—	—	—	9.66	10.11	8.99
Brantford	—	—	—	—	—	9.39	14.43	11.36
Brockville	—	—	—	—	—	15.79	18.31	13.56
Burlington	—	—	—	—	—	10.00	11.21	10.05
Caledon	—	—	—	—	—	—	—	—
Caledonia	—	—	—	—	—	0.00	9.52	7.14
Cambridge	—	—	—	—	—	10.94	19.28	12.22
Carleton Place	—	—	—	—	—	12.50	19.23	17.86
Chatham	—	—	—	—	—	10.15	10.24	14.53
Cobourg	—	—	—	—	—	17.74	8.16	16.67
Collingwood	—	—	—	—	—	16.67	9.52	13.95
Concord	—	—	—	—	—	11.76	6.67	8.33
Cornwall	—	—	—	—	—	15.76	13.55	12.14
Cumberland	—	—	—	—	—	12.50	—	10.00
Delhi	—	—	—	—	—	8.33	8.70	12.50
Downsview	—	—	—	—	—	11.68	16.67	19.40
Dryden	—	—	—	—	—	14.29	18.18	7.14
Dunnville	—	—	—	—	—	28.00	15.15	4.35
East Gwillimbury	—	—	—	—	—	22.22	—	0.00
Elliot Lake	—	—	—	—	—	15.25	13.16	10.89
Elmira	—	—	—	—	—	44.44	11.76	10.00
Espanola	—	—	—	—	—	14.29	4.76	5.26
Essex	—	—	—	—	—	6.67	0.00	17.65
Etobicoke	—	—	—	—	—	11.69	13.28	14.90
Fergus	—	—	—	—	—	8.33	19.23	20.00
Fort Erie	—	—	—	—	—	5.71	18.75	22.58
Fort Frances	—	—	—	—	—	28.57	19.05	14.29
Gananoque	—	—	—	—	—	9.09	11.11	17.65
Garson	—	—	—	—	—	0.00	—	8.33
Georgetown	—	—	—	—	—	6.98	17.31	10.64
Goderich	—	—	—	—	—	18.92	29.41	13.73
Gravenhurst	—	—	—	—	—	13.79	21.88	13.33
Greely	—	—	—	—	—	16.67	0.00	20.00
Grimsby	—	—	—	—	—	30.00	11.43	14.29
Guelph	—	—	—	—	—	14.15	17.44	14.77
Hamilton	—	—	—	—	—	13.50	13.21	13.21
Hanmer	—	—	—	—	—	14.29	0.00	3.57
Hanover	—	—	—	—	—	10.34	19.35	6.25
Hawkesbury	—	—	—	—	—	21.88	13.79	12.50
Huntsville	—	—	—	—	—	8.70	14.63	4.17
Ingersoll	—	—	—	—	—	7.69	17.86	5.56
Innisfil	—	—	—	—	—	5.26	7.69	6.12
Kapuskasing	—	—	—	—	—	12.90	11.76	15.79
Kenora	—	—	—	—	—	16.67	15.79	13.64
Keswick	—	—	—	—	—	12.90	7.41	5.56
Kincardine	—	—	—	—	—	2.94	9.09	6.06
King City	—	—	—	—	—	40.00	14.29	0.00
Kingston	—	—	—	—	—	9.52	9.31	12.07
Kingsville	—	—	—	—	—	19.44	16.22	5.00
Kirkland Lake	—	—	—	—	—	6.98	7.41	23.33
Kitchener	—	—	—	—	—	9.05	12.03	8.87
Leamington	—	—	—	—	—	9.88	15.52	5.56
Lindsay	—	—	—	—	—	15.00	7.59	11.21
Listowel	—	—	—	—	—	20.00	21.05	18.75
Lively	—	—	—	—	—	9.09	17.65	16.67
London	—	—	—	—	—	11.54	9.24	12.01
Manotick	—	—	—	—	—	0.00	0.00	0.00
Maple	—	—	—	—	—	7.14	13.33	9.26
Markham	—	—	—	—	—	10.81	10.95	14.61
Meaford	—	—	—	—	—	7.69	13.33	7.41



**Acute Myocardial Infarction (AMI) Mortality: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—	11.63	20.69	15.25
Milton	—	—	—	—	—	15.38	8.51	22.58
Mississauga	—	—	—	—	—	11.01	11.48	12.27
Napanee	—	—	—	—	—	11.43	5.71	10.26
Navan	—	—	—	—	—	—	0.00	—
New Hamburg	—	—	—	—	—	—	9.09	6.67
Newmarket	—	—	—	—	—	11.94	9.68	9.09
Niagara Falls	—	—	—	—	—	11.62	18.03	13.81
North Bay	—	—	—	—	—	11.96	11.96	10.06
North York	—	—	—	—	—	10.67	8.82	13.79
Oakville	—	—	—	—	—	13.89	14.39	12.41
Orangeville	—	—	—	—	—	10.14	19.70	11.32
Orillia	—	—	—	—	—	19.61	7.14	14.13
Oshawa	—	—	—	—	—	10.69	11.78	10.78
Ottawa	—	—	—	—	—	13.10	13.24	14.02
Owen Sound	—	—	—	—	—	12.00	9.00	8.33
Paris	—	—	—	—	—	6.45	10.71	0.00
Parry Sound	—	—	—	—	—	17.78	10.26	21.74
Pembroke	—	—	—	—	—	17.24	14.46	19.35
Penetanguishene	—	—	—	—	—	9.38	10.34	9.68
Perth	—	—	—	—	—	11.90	14.58	12.50
Petawawa	—	—	—	—	—	6.67	18.18	29.41
Peterborough	—	—	—	—	—	15.97	16.27	16.24
Pickering	—	—	—	—	—	7.14	15.23	12.95
Port Colborne	—	—	—	—	—	19.61	14.29	17.39
Port Hope	—	—	—	—	—	12.12	12.50	19.35
Port Perry	—	—	—	—	—	9.68	3.23	9.09
Port Stanley	—	—	—	—	—	16.67	25.00	0.00
Renfrew	—	—	—	—	—	6.06	15.00	25.93
Richmond Hill	—	—	—	—	—	13.43	9.35	10.45
Rockland	—	—	—	—	—	5.00	10.53	10.53
Russell	—	—	—	—	—	14.29	16.67	0.00
Sarnia	—	—	—	—	—	7.08	8.47	10.29
Sault Ste. Marie	—	—	—	—	—	11.85	11.07	11.42
Scarborough	—	—	—	—	—	11.66	14.67	13.74
Simcoe	—	—	—	—	—	12.96	9.84	20.75
Sioux Lookout	—	—	—	—	—	14.29	0.00	—
Smiths Falls	—	—	—	—	—	5.08	20.69	13.33
St. Catharine	—	—	—	—	—	15.04	14.43	17.91
St. Mary's	—	—	—	—	—	17.14	10.53	11.11
St. Thomas	—	—	—	—	—	13.73	8.33	10.45
Stouffville	—	—	—	—	—	4.00	17.24	8.33
Stratford	—	—	—	—	—	5.48	9.68	7.69
Strathroy	—	—	—	—	—	4.76	27.78	17.39
Sturgeon	—	—	—	—	—	40.00	17.24	17.95
Sudbury	—	—	—	—	—	11.89	13.50	13.66
Thornhill	—	—	—	—	—	8.62	9.84	9.71
Thunder Bay	—	—	—	—	—	16.50	13.25	16.67
Tillsonburg	—	—	—	—	—	16.39	9.09	9.80
Timmins	—	—	—	—	—	10.11	11.30	8.16
Toronto	—	—	—	—	—	15.28	14.80	15.19
Trenton	—	—	—	—	—	21.43	12.50	9.26
Uxbridge	—	—	—	—	—	11.76	24.14	21.43
Val Caron	—	—	—	—	—	11.11	26.32	20.00
Wallaceburg	—	—	—	—	—	10.00	17.02	5.00
Wasaga Beach	—	—	—	—	—	—	—	33.33
Welland	—	—	—	—	—	12.93	11.56	10.84
Weston	—	—	—	—	—	14.73	18.97	21.25
Whitby	—	—	—	—	—	10.74	13.73	11.85
Willowdale	—	—	—	—	—	18.37	14.24	13.14
Windsor	—	—	—	—	—	14.85	15.56	17.10
Woodbridge	—	—	—	—	—	8.70	17.20	14.71
Woodstock	—	—	—	—	—	12.35	3.75	7.78
Rural	—	—	—	—	—	10.95	11.00	11.58
Other	—	—	—	—	—	12.75	11.52	11.40
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>12.31</b>	<b>12.66</b>	<b>12.75</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

**Congestive Heart Failure (CHF) Mortality: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	21.74	18.75	16.67	0.00	0.00	15.79	15.00	7.14
Ajax	13.92	13.64	4.76	7.81	8.57	12.05	8.97	13.16
Alliston	13.04	22.73	19.12	4.55	8.11	10.64	8.16	3.45
Amherstburg	16.22	5.56	0.00	6.25	4.76	7.14	10.71	16.13
Arnprior	4.76	9.52	6.98	3.45	12.12	16.67	9.09	9.52
Aurora	16.67	17.50	12.07	15.38	7.14	3.57	8.57	18.60
Aylmer West	9.68	15.38	4.00	5.88	14.29	4.17	13.89	5.88
Barrie	9.30	8.75	7.49	7.91	12.22	8.77	9.71	8.59
Belleville	7.14	10.34	12.40	9.76	8.72	10.64	10.83	5.48
Bolton	17.86	0.00	5.88	3.70	7.69	11.11	3.85	5.26
Bowmanville	13.68	10.59	15.22	13.24	20.00	20.00	10.20	13.25
Bracebridge	5.13	4.44	6.00	7.50	2.63	2.94	15.15	16.13
Bradford	2.86	13.33	0.00	0.00	19.23	9.09	0.00	15.15
Brampton	9.83	7.45	5.99	10.03	5.63	7.65	6.27	9.55
Brantford	11.41	11.46	7.95	7.06	9.83	9.38	8.33	12.83
Brockville	11.64	9.03	14.29	9.02	10.58	5.34	10.00	20.19
Burlington	7.69	11.69	9.29	7.38	8.97	10.14	11.71	8.57
Caledon	—	—	—	—	—	—	—	—
Caledonia	0.00	5.88	0.00	9.09	5.56	12.50	16.67	18.18
Cambridge	9.30	6.32	10.95	9.24	12.45	12.94	8.11	10.80
Carleton Place	2.94	4.88	10.26	9.68	4.35	10.34	8.82	0.00
Chatham	11.92	7.95	11.94	6.28	7.83	9.84	11.71	8.04
Cobourg	3.64	1.37	5.19	12.68	8.45	12.86	18.06	21.43
Collingwood	7.41	5.26	12.50	6.67	11.54	17.91	9.38	16.13
Concord	11.11	0.00	13.33	0.00	4.76	7.41	4.35	6.67
Cornwall	10.73	15.92	14.94	18.67	15.44	15.91	10.16	10.63
Cumberland	16.67	12.50	14.29	—	14.29	0.00	—	16.67
Delhi	16.67	3.33	0.00	17.39	22.22	16.00	11.43	12.00
Downsview	9.19	10.21	8.33	6.85	14.95	10.90	8.50	10.11
Dryden	18.18	18.18	5.00	0.00	19.35	13.33	7.41	7.32
Dunnville	13.89	10.71	16.13	8.57	20.00	17.50	12.00	11.76
East Gwillimbury	25.00	0.00	11.11	0.00	0.00	—	0.00	0.00
Elliot Lake	7.14	8.77	11.29	9.62	17.39	20.41	1.96	10.91
Elmira	5.00	7.14	18.18	18.75	0.00	0.00	12.50	7.69
Espanola	4.17	22.73	7.69	20.00	20.00	0.00	13.33	7.69
Essex	12.00	7.14	6.25	12.00	13.64	12.12	6.90	12.12
Etobicoke	9.90	9.98	10.77	9.43	10.32	10.81	10.73	11.52
Fergus	5.71	4.35	3.85	8.70	7.50	0.00	11.43	13.79
Fort Erie	6.47	8.06	11.88	13.56	9.30	16.36	12.28	8.20
Fort Frances	6.67	7.84	5.00	9.52	11.11	10.71	7.14	9.52
Gananoque	7.14	20.00	10.00	13.64	9.09	28.57	18.18	5.56
Garson	—	15.79	11.76	10.00	22.22	0.00	0.00	25.00
Georgetown	20.83	10.81	6.38	6.38	8.82	8.00	14.29	10.53
Goderich	11.29	5.97	3.45	7.55	9.26	6.25	13.16	12.50
Gravenhurst	0.00	11.11	5.56	11.11	3.70	3.03	9.09	6.45
Greely	—	0.00	—	—	—	—	—	28.57
Grimsby	10.00	16.00	7.41	25.93	15.91	9.09	16.00	2.94
Guelph	9.68	11.84	9.14	9.89	7.22	13.29	10.43	12.35
Hamilton	10.08	9.21	11.20	10.37	10.22	8.62	10.52	8.58
Hanmer	15.38	6.67	0.00	12.50	0.00	6.67	22.22	5.26
Hanover	7.32	0.00	5.41	5.00	2.70	17.14	4.35	3.85
Hawkesbury	16.67	20.00	18.18	34.15	19.44	21.21	11.11	23.08
Huntsville	13.64	10.26	8.82	12.90	0.00	16.13	4.76	2.17
Ingersoll	5.00	9.52	12.73	14.71	4.44	7.50	3.33	5.26
Innisfil	—	—	—	6.67	12.50	8.33	8.57	8.33
Kapuskasing	0.00	12.24	10.26	14.29	0.00	15.15	10.81	9.38
Kenora	11.76	5.13	0.00	7.69	9.38	9.09	6.06	8.57
Keswick	4.76	4.55	9.09	10.71	3.23	8.00	0.00	6.67
Kincardine	17.86	13.33	23.08	7.41	5.00	0.00	23.81	7.14
King City	0.00	8.33	0.00	0.00	22.22	0.00	6.25	0.00
Kingston	14.86	17.31	11.35	10.82	11.63	12.50	9.09	11.83
Kingsville	13.79	8.33	8.82	9.09	11.11	8.57	11.43	12.50
Kirkland Lake	5.56	13.95	10.81	12.73	5.45	7.69	5.00	8.33
Kitchener	8.56	11.28	7.65	9.01	9.80	10.84	11.91	7.26
Leamington	8.86	4.41	5.56	7.94	15.94	0.00	5.80	13.21
Lindsay	9.38	13.67	14.17	6.67	6.94	10.83	6.73	16.82
Listowel	13.16	16.00	10.34	26.32	0.00	31.58	0.00	0.00
Lively	0.00	0.00	14.29	33.33	0.00	10.00	23.08	11.76
London	12.76	14.53	13.30	13.39	13.40	11.29	10.25	11.85
Manotick	—	—	—	33.33	—	—	8.33	22.22
Maple	6.25	6.67	5.00	16.13	7.41	2.00	0.00	3.03
Markham	11.83	8.91	11.11	12.40	13.79	9.90	11.97	8.15
Meaford	17.24	0.00	16.67	4.35	6.98	14.81	4.55	0.00

Congestive Heart Failure (CHF) Mortality: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	10.53	10.39	9.76	13.13	7.69	8.82	12.50	6.90	
Milton	4.55	1.67	20.45	14.63	10.26	10.26	10.00	9.52	
Mississauga	12.27	11.48	13.27	12.69	10.43	9.60	11.14	10.35	
Napanee	6.98	11.43	3.13	9.52	12.77	15.63	20.00	16.00	
Navan	14.29	—	—	14.29	—	—	—	12.50	
New Hamburg	—	—	—	—	—	—	0.00	18.18	
Newmarket	8.24	13.79	11.11	3.16	8.60	8.22	10.39	6.10	
Niagara Falls	9.44	11.64	11.07	10.87	12.96	13.14	15.12	12.15	
North Bay	8.72	12.94	12.72	11.36	8.29	10.53	17.86	10.96	
North York	12.50	8.28	7.75	6.87	8.18	12.07	13.98	9.26	
Oakville	10.67	13.28	10.82	7.57	8.61	9.40	4.81	9.09	
Orangeville	5.32	8.77	10.29	9.09	3.23	1.69	10.17	7.41	
Orillia	9.18	7.61	9.41	5.71	5.83	19.05	10.85	10.48	
Oshawa	12.50	9.87	13.18	10.00	10.57	11.52	9.41	7.87	
Ottawa	10.51	12.45	13.07	12.56	8.88	13.65	13.44	10.24	
Owen Sound	11.49	10.09	16.84	7.41	8.22	4.60	3.75	9.09	
Paris	8.11	12.82	15.00	16.13	7.69	8.33	10.00	12.50	
Parry Sound	14.00	5.00	5.13	1.54	1.37	5.68	6.35	6.45	
Pembroke	10.78	11.11	9.71	10.53	15.18	8.97	8.57	12.75	
Penetanguishene	10.81	9.09	7.50	8.82	3.03	5.88	3.57	4.35	
Perth	11.76	6.90	10.53	10.64	13.46	0.00	21.88	17.14	
Petawawa	27.27	12.50	6.67	20.00	7.69	50.00	7.69	0.00	
Peterborough	17.80	12.98	13.10	10.44	8.29	9.90	14.29	12.44	
Pickering	8.64	9.76	9.76	10.64	8.45	9.62	5.41	12.12	
Port Colborne	5.45	14.00	5.17	9.26	10.00	9.26	12.90	14.63	
Port Hope	12.07	4.44	21.21	4.17	15.00	10.34	14.29	14.29	
Port Perry	15.38	10.53	6.90	10.71	9.52	9.38	0.00	12.00	
Port Stanley	28.57	0.00	7.69	0.00	—	11.11	—	—	
Renfrew	11.36	8.11	7.69	0.00	17.65	14.71	25.00	21.21	
Richmond Hill	16.26	13.59	9.01	12.06	10.14	7.51	8.97	8.07	
Rockland	10.53	7.41	30.77	0.00	5.26	15.00	25.00	7.69	
Russell	—	—	—	—	—	0.00	0.00	0.00	
Sarnia	8.13	11.06	7.35	11.54	8.84	9.64	12.20	9.58	
Sault Ste. Marie	9.76	7.82	10.41	6.56	6.44	5.88	10.29	8.37	
Scarborough	8.43	11.39	10.31	9.81	8.72	8.32	9.27	9.00	
Simcoe	8.08	1.33	14.71	8.62	23.68	12.31	7.41	11.48	
Sioux Lookout	11.11	13.64	11.11	—	0.00	0.00	9.09	8.33	
Smiths Falls	14.58	6.67	10.20	18.37	11.76	10.87	12.73	6.45	
St. Catharine	14.47	13.32	11.17	9.12	11.76	9.71	11.98	11.80	
St. Mary's	3.33	10.53	5.56	20.00	8.57	4.55	11.76	9.09	
St. Thomas	8.51	12.75	9.84	12.70	14.63	12.37	7.14	8.11	
Stouffville	10.81	8.33	13.04	10.71	11.11	22.22	0.00	10.53	
Stratford	4.05	3.30	6.49	3.77	5.00	11.76	12.82	3.77	
Strathroy	6.98	13.79	9.68	13.64	24.49	4.76	9.38	11.90	
Sturgeon	—	—	—	—	0.00	14.29	4.00	2.63	
Sudbury	10.40	10.10	12.64	10.95	8.84	8.68	9.19	10.55	
Thornhill	7.27	2.86	7.56	7.62	12.73	7.52	6.14	10.22	
Thunder Bay	10.84	13.52	12.69	9.18	8.22	9.45	9.39	6.87	
Tillsonburg	15.38	9.33	8.96	7.14	8.70	8.22	8.51	18.18	
Timmins	8.60	5.80	5.95	5.00	7.79	10.00	7.14	9.76	
Toronto	9.05	9.56	10.43	10.52	11.03	10.27	10.33	9.09	
Trenton	1.96	9.30	7.41	8.20	14.89	4.17	13.16	19.64	
Uxbridge	12.00	15.63	13.04	16.67	7.41	18.18	6.67	11.11	
Val Caron	—	9.09	—	—	—	7.69	7.69	0.00	
Wallaceburg	12.71	11.11	12.50	18.42	14.58	14.81	7.79	14.89	
Wasaga Beach	—	—	—	—	—	—	—	10.00	
Welland	12.72	10.43	10.22	12.42	6.29	13.74	15.75	9.84	
Weston	7.78	8.19	9.74	8.74	6.48	6.67	6.25	11.42	
Whitby	11.61	12.50	17.91	13.48	4.48	5.88	12.87	8.60	
Willowdale	15.01	10.99	10.40	10.46	8.36	8.43	7.67	9.00	
Windsor	11.29	9.55	9.57	7.50	9.70	8.97	9.40	11.18	
Woodbridge	11.54	8.87	5.77	7.23	10.34	9.65	10.09	7.50	
Woodstock	8.33	13.08	8.14	15.45	11.67	14.02	11.63	17.65	
Rural	9.31	9.56	10.29	8.60	9.09	9.97	9.83	8.79	
Other	11.65	7.02	7.71	6.68	10.56	10.14	6.05	12.03	
<b>Ontario Average</b>	<b>10.23</b>	<b>10.26</b>	<b>10.46%</b>	<b>9.71</b>	<b>9.83</b>	<b>10.07</b>	<b>10.11</b>	<b>9.83</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

**Acute Stroke Mortality: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	31.25	30.00	42.86	27.27	8.33	25.00	36.36	40.00
Ajax	24.00	21.05	23.53	20.00	14.29	15.19	9.80	20.00
Alliston	23.53	9.09	30.77	21.43	23.53	37.04	32.00	6.67
Amherstburg	29.63	9.09	15.38	21.43	18.75	13.04	18.75	26.67
Arnprior	4.00	16.67	15.38	18.18	6.25	18.18	10.00	18.18
Aurora	13.33	17.65	22.50	17.39	23.53	28.57	25.00	17.65
Aylmer West	22.22	50.00	18.75	20.00	7.69	15.63	16.67	14.29
Barrie	18.37	25.33	16.33	11.70	13.95	19.31	14.07	13.74
Belleville	14.29	20.59	10.29	22.73	19.23	25.26	26.51	8.22
Bolton	50.00	33.33	31.25	30.00	7.69	7.69	33.33	21.05
Bowmanville	14.29	13.64	23.64	23.73	19.23	25.30	22.64	15.00
Bracebridge	17.95	9.52	25.00	30.77	9.52	27.78	25.93	30.00
Bradford	17.65	20.00	9.09	30.00	15.79	11.11	31.25	0.00
Brampton	21.60	12.57	23.03	10.63	13.81	14.01	11.00	16.99
Brantford	16.95	22.93	25.00	14.69	20.95	18.12	19.75	20.25
Brockville	19.12	24.29	23.81	23.33	16.67	28.57	22.08	26.83
Burlington	30.92	22.09	13.95	17.55	16.11	20.20	24.07	20.00
Caledon	—	—	—	—	—	—	—	—
Caledonia	12.50	14.29	27.27	27.27	0.00	8.33	27.27	40.00
Cambridge	17.78	24.18	22.47	21.78	27.37	21.74	20.00	21.55
Carleton Place	13.33	13.64	31.58	26.09	13.33	26.32	10.53	42.86
Chatham	12.73	16.33	18.18	13.19	17.33	27.27	19.15	20.55
Cobourg	25.00	29.41	28.13	25.00	20.83	29.17	29.79	19.57
Collingwood	33.33	23.81	15.38	27.27	26.32	12.82	27.59	36.00
Concord	30.00	14.29	—	16.67	14.29	10.00	21.43	50.00
Cornwall	21.43	24.18	24.69	22.92	22.54	28.99	23.33	30.36
Cumberland	—	—	—	—	—	—	—	—
Delhi	35.29	5.26	11.76	20.00	26.67	31.82	34.62	14.29
Downsview	22.50	22.34	15.32	26.39	31.40	24.64	23.63	22.47
Dryden	5.00	35.00	15.38	16.67	20.83	25.00	46.67	28.57
Dunnville	10.34	29.17	27.27	20.00	13.79	13.04	19.05	21.74
East Gwillimbury	11.11	0.00	0.00	10.00	0.00	—	7.69	—
Elliot Lake	26.67	36.11	26.47	19.23	15.79	59.09	31.82	18.18
Elmira	25.00	—	14.29	0.00	—	57.14	45.45	33.33
Espanola	40.00	10.00	25.00	9.09	—	18.18	0.00	—
Essex	29.41	20.00	16.67	18.18	6.25	0.00	6.25	22.22
Etobicoke	27.45	24.24	22.18	20.49	18.36	20.91	20.63	21.67
Fergus	6.25	15.38	11.76	21.05	7.14	16.00	13.04	33.33
Fort Erie	6.06	19.51	29.73	21.43	11.11	12.50	28.57	13.33
Fort Frances	10.00	16.00	28.00	13.64	5.56	30.00	26.32	10.53
Gananoque	33.33	25.00	22.22	33.33	25.00	35.29	21.05	42.86
Garson	33.33	25.00	10.00	14.29	16.67	—	0.00	—
Georgetown	29.63	11.54	23.53	12.00	13.04	15.79	18.92	27.27
Goderich	11.54	16.13	9.38	15.38	4.76	16.67	11.11	23.81
Gravenhurst	6.25	20.00	9.09	23.81	33.33	25.00	26.67	22.22
Greely	—	—	28.57	—	—	16.67	25.00	—
Grimsby	29.03	17.86	34.48	12.90	10.34	31.58	25.93	15.38
Guelph	20.34	22.12	19.35	22.22	23.58	23.65	18.38	30.00
Hamilton	23.16	18.49	23.31	17.41	17.42	19.13	18.89	17.63
Hanmer	16.67	0.00	7.69	11.11	11.11	10.00	—	15.38
Hanover	3.33	13.33	15.79	10.00	14.29	20.00	29.41	31.58
Hawkesbury	19.05	15.00	25.00	0.00	23.08	10.00	12.00	17.65
Huntsville	7.14	10.26	15.38	25.00	27.78	35.29	20.00	9.52
Ingersoll	23.53	27.78	23.08	18.18	16.67	12.50	25.00	55.56
Innisfil	—	—	—	0.00	16.00	10.34	15.15	4.35
Kapuskasing	12.50	6.25	18.75	25.00	23.81	0.00	33.33	25.00
Kenora	42.11	16.67	21.05	36.84	34.78	16.67	18.75	0.00
Keswick	30.00	8.33	23.08	20.83	12.50	14.29	16.00	14.29
Kincardine	18.75	0.00	28.57	23.08	19.05	25.00	20.00	21.05
King City	0.00	0.00	0.00	0.00	22.22	—	6.25	—
Kingston	25.88	20.00	27.73	23.78	26.14	27.45	30.00	20.29
Kingsville	7.69	21.43	11.11	7.14	13.04	10.00	11.11	21.05
Kirkland Lake	23.33	28.95	37.50	31.25	17.24	31.82	45.45	16.67
Kitchener	18.90	22.87	17.73	22.91	22.51	21.00	26.82	24.73
Leamington	9.30	6.82	11.11	11.36	9.26	19.51	11.11	0.00
Lindsay	13.21	12.28	15.91	14.29	6.90	29.31	26.00	23.53
Listowel	17.39	5.00	25.00	20.00	28.57	28.57	29.41	26.67
Lively	11.11	12.50	23.08	25.00	30.00	27.27	14.29	16.67
London	18.66	17.88	21.22	22.71	22.31	18.01	22.75	18.58
Manotick	0.00	0.00	16.67	7.14	—	—	27.27	28.57
Maple	11.11	15.38	14.29	10.00	0.00	0.00	17.95	16.28
Markham	25.33	23.19	30.11	22.73	21.43	18.85	24.32	22.14
Meaford	13.33	30.00	22.22	17.65	21.05	8.70	26.67	0.00

**Acute Stroke Mortality: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	14.29	24.00	18.37	19.57	28.89	21.62	20.00	14.29
Milton	16.67	30.56	14.29	40.91	28.00	29.17	25.93	30.77
Mississauga	20.55	24.74	24.57	23.35	21.79	19.53	16.98	20.79
Napanee	7.41	9.09	32.00	26.67	20.00	36.00	14.29	19.05
Navan	—	—	—	16.67	—	—	0.00	—
New Hamburg	—	—	—	—	—	—	28.57	28.57
Newmarket	15.00	26.09	15.25	11.11	21.05	28.81	23.46	30.77
Niagara Falls	20.97	22.58	15.63	25.25	20.20	24.09	23.61	18.07
North Bay	11.43	22.88	22.78	19.78	22.73	26.97	27.72	12.70
North York	25.74	24.66	22.54	13.75	20.29	15.08	23.97	18.68
Oakville	24.04	26.14	22.33	22.88	20.93	21.29	14.04	16.79
Orangeville	10.81	28.00	16.22	16.22	17.95	14.55	17.19	21.62
Orillia	21.51	18.29	14.61	12.22	22.45	21.35	18.18	16.67
Oshawa	16.95	19.74	16.26	21.92	16.99	22.17	19.61	19.42
Ottawa	20.36	24.82	22.16	16.72	19.57	18.84	22.08	22.51
Owen Sound	7.69	37.84	10.00	19.44	13.79	18.87	11.54	11.54
Paris	25.93	0.00	32.00	16.67	13.64	20.00	19.05	18.18
Parry Sound	20.51	18.75	13.16	10.81	14.71	20.59	16.67	13.33
Pembroke	18.07	10.31	18.57	18.18	15.38	29.58	16.33	30.43
Penetanguishene	23.08	27.27	20.00	23.81	20.00	20.00	25.00	7.69
Perth	15.38	21.43	40.63	11.76	28.00	19.05	20.83	20.00
Petawawa	27.27	37.50	37.50	22.22	26.67	0.00	—	14.29
Peterborough	22.22	21.33	22.11	21.55	26.51	23.29	25.90	23.08
Pickering	18.75	16.22	17.31	18.18	27.08	24.29	17.91	15.79
Port Colborne	42.42	42.11	20.00	24.14	29.41	18.75	21.88	34.78
Port Hope	25.00	20.00	8.33	24.00	28.57	16.13	13.64	38.10
Port Perry	32.26	26.67	33.33	27.59	16.67	26.67	20.00	35.29
Port Stanley	—	—	—	—	0.00	11.11	—	—
Renfrew	28.57	26.67	16.67	11.11	33.33	31.25	18.18	44.44
Richmond Hill	23.89	15.00	14.46	18.18	15.91	15.08	19.08	18.12
Rockland	10.00	11.11	0.00	0.00	14.29	10.00	31.25	33.33
Russell	—	—	—	—	—	—	—	—
Sarnia	19.53	20.80	18.03	17.50	20.18	11.29	21.28	14.88
Sault Ste. Marie	17.26	16.15	17.99	15.38	20.00	15.66	15.45	21.52
Scarborough	21.97	23.37	21.28	20.46	20.94	18.68	20.15	17.20
Simcoe	33.33	31.43	31.82	14.63	27.08	27.50	26.32	28.13
Sioux Lookout	—	—	—	—	—	—	—	—
Smiths Falls	23.81	20.83	18.52	19.05	30.56	17.39	27.59	28.00
St. Catharine	21.30	18.45	22.80	21.85	24.07	21.86	21.43	23.46
St. Mary's	7.14	26.92	8.33	15.79	16.67	7.69	18.75	—
St. Thomas	16.67	21.13	22.86	19.05	12.24	18.42	15.28	25.42
Stouffville	25.00	31.25	28.57	35.71	46.15	6.67	13.33	21.05
Stratford	5.56	5.66	6.45	7.69	8.33	17.24	9.30	3.85
Strathroy	40.00	4.17	23.08	31.25	35.48	20.83	23.81	16.67
Sturgeon	—	—	—	—	0.00	0.00	37.50	28.57
Sudbury	16.86	17.88	26.83	18.64	22.82	22.54	20.81	15.53
Thornhill	13.40	16.83	21.13	15.94	16.07	11.11	22.09	18.92
Thunder Bay	21.18	17.92	17.39	18.07	17.50	18.47	22.04	19.88
Tillsonburg	20.00	12.82	13.16	30.00	44.44	15.69	14.29	31.82
Timmins	13.41	6.90	21.95	12.50	28.57	33.33	21.74	26.19
Toronto	22.32	22.26	23.66	20.58	20.78	19.31	20.63	17.47
Trenton	10.00	14.81	3.23	13.16	15.63	16.67	20.00	29.41
Uxbridge	14.29	31.25	11.11	18.75	21.43	46.15	10.00	35.71
Val Caron	12.50	16.67	0.00	10.00	11.11	0.00	16.67	—
Wallaceburg	20.69	30.77	22.58	23.08	12.50	21.95	21.05	9.09
Wasaga Beach	—	—	—	—	—	—	—	—
Welland	20.73	26.76	22.67	24.24	20.00	25.29	28.75	11.11
Weston	30.83	20.47	20.93	16.25	24.24	18.92	26.39	23.53
Whitby	19.35	12.00	21.05	28.57	31.48	17.07	12.05	17.50
Willowdale	24.15	21.24	18.39	22.66	20.22	21.07	22.89	23.36
Windsor	17.59	17.74	14.93	17.46	23.46	16.85	16.70	16.57
Woodbridge	22.92	18.18	22.50	8.33	23.53	17.91	14.86	10.81
Woodstock	16.67	19.12	16.25	15.38	11.48	9.09	26.00	19.05
Rural	18.96	17.46	16.37	17.89	17.27	20.02	20.65	18.59
Other	23.95	30.42	29.20	25.63	28.25	18.61	20.35	23.53
<b>Ontario Average</b>	<b>20.26</b>	<b>20.10</b>	<b>20.04</b>	<b>19.22</b>	<b>19.79</b>	<b>19.89</b>	<b>20.60</b>	<b>19.67</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Gastrointestinal Hemorrhage Mortality: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	14.29	—	0.00	0.00	0.00		0.00	8.33	0.00
Ajax	3.33	3.03	1.89	5.13	2.38		0.00	1.69	3.08
Alliston	0.00	4.76	5.26	0.00	15.00		6.67	5.26	8.33
Amherstburg	9.09	0.00	5.56	0.00	9.52		0.00	4.55	11.54
Arnprior	0.00	9.09	0.00	12.50	0.00		0.00	0.00	2.50
Aurora	11.11	9.68	3.23	5.88	0.00		6.12	5.71	1.67
Aylmer West	0.00	5.56	5.26	0.00	5.88		0.00	3.70	0.00
Barrie	3.85	4.71	3.16	2.65	5.36		1.89	2.61	1.65
Belleville	3.51	11.63	7.14	5.48	5.97		8.54	3.95	5.56
Bolton	6.25	14.29	0.00	0.00	13.33		3.57	5.56	5.88
Bowmanville	4.29	4.76	2.17	7.69	2.08		3.53	3.03	1.69
Bracebridge	3.33	5.00	0.00	10.00	4.17		2.94	0.00	6.06
Bradford	0.00	0.00	13.04	5.26	0.00		3.45	0.00	4.55
Brampton	3.39	2.49	2.81	4.84	3.00		2.08	3.83	2.09
Brantford	3.60	3.10	3.80	2.76	3.07		3.37	3.61	3.40
Brockville	2.56	2.86	2.70	5.66	2.13		1.72	1.47	2.90
Burlington	4.55	6.20	0.93	3.57	3.60		4.92	3.52	4.07
Caledon	—	—	—	—	—		—	—	—
Caledonia	9.09	0.00	16.67	—	0.00		0.00	0.00	7.69
Cambridge	6.19	3.54	2.36	5.56	4.96		2.94	4.46	1.73
Carleton Place	0.00	0.00	0.00	0.00	0.00		0.00	0.00	4.00
Chatham	4.65	5.15	1.33	3.75	1.23		1.96	4.59	2.70
Cobourg	10.00	10.00	3.33	7.69	4.00		2.94	7.32	2.94
Collingwood	3.85	5.13	5.77	2.44	3.57		2.22	6.98	0.00
Concord	11.11	0.00	0.00	0.00	0.00		0.00	0.00	6.67
Cornwall	2.74	4.48	6.67	7.25	5.71		4.92	3.39	1.83
Cumberland	—	—	—	—	—		—	—	—
Delhi	0.00	8.33	0.00	0.00	0.00		0.00	12.00	11.76
Downsview	7.14	4.58	3.13	5.19	4.27		3.52	6.16	8.38
Dryden	0.00	5.26	11.11	9.52	3.57		4.35	0.00	0.00
Dunnville	0.00	12.50	0.00	0.00	0.00		4.76	0.00	5.26
East Gwillimbury	0.00	—	—	—	—		0.00	0.00	10.00
Elliot Lake	4.76	0.00	0.00	5.00	8.82		8.11	3.33	3.70
Elmira	—	16.67	—	0.00	0.00		16.67	16.67	0.00
Espanola	10.00	0.00	12.50	16.67	—		0.00	9.09	0.00
Essex	0.00	28.57	5.56	0.00	6.67		0.00	14.29	5.56
Etobicoke	5.54	5.45	5.97	4.53	5.56		3.71	7.51	4.96
Fergus	6.25	13.33	4.00	0.00	0.00		3.23	0.00	3.33
Fort Erie	3.70	0.00	0.00	3.45	6.25		0.00	2.86	8.11
Fort Frances	0.00	12.50	4.17	3.45	0.00		5.26	0.00	0.00
Gananoque	—	15.38	14.29	0.00	27.27		0.00	0.00	0.00
Garson	—	—	—	0.00	0.00		10.00	0.00	0.00
Georgetown	4.17	5.26	0.00	12.12	12.90		6.67	0.00	6.38
Goderich	6.06	0.00	0.00	5.88	5.00		3.70	0.00	0.00
Gravenhurst	0.00	—	0.00	20.00	0.00		4.55	0.00	3.57
Greely	—	—	—	—	—		—	14.29	0.00
Grimsby	6.25	7.69	8.33	0.00	10.53		3.70	0.00	6.25
Guelph	5.05	3.23	3.00	0.96	1.92		4.58	6.16	2.89
Hamilton	7.16	5.17	5.66	4.52	4.87		4.25	4.70	2.70
Hanmer	0.00	0.00	20.00	0.00	0.00		0.00	0.00	0.00
Hanover	10.53	4.76	0.00	0.00	0.00		3.70	0.00	5.88
Hawkesbury	0.00	0.00	0.00	0.00	15.38		3.85	11.11	0.00
Huntsville	7.14	3.70	0.00	8.33	0.00		3.70	3.70	0.00
Ingersoll	0.00	10.53	6.25	0.00	0.00		5.56	0.00	0.00
Innisfil	—	—	—	—	4.76		0.00	8.00	3.57
Kapuskasing	0.00	0.00	0.00	4.88	0.00		4.76	2.56	5.88
Kenora	0.00	6.25	4.35	5.56	0.00		5.00	3.13	0.00
Keswick	5.88	15.38	0.00	0.00	11.11		0.00	4.65	0.00
Kincardine	5.26	0.00	0.00	0.00	11.76		0.00	0.00	4.00
King City	0.00	0.00	—	14.29	—		0.00	13.33	11.11
Kingston	4.80	5.13	7.14	3.36	5.71		5.70	1.12	1.11
Kingsville	0.00	0.00	0.00	0.00	4.55		7.14	3.13	2.94
Kirkland Lake	0.00	4.35	0.00	0.00	0.00		3.57	0.00	5.88
Kitchener	5.37	7.76	7.66	2.75	3.64		2.33	3.29	4.42
Leamington	4.44	3.03	3.03	5.00	0.00		7.32	1.79	1.30
Lindsay	12.96	2.44	11.90	4.35	0.00		3.80	0.00	3.64
Listowel	7.69	12.50	9.09	8.33	5.88		13.33	0.00	5.00
Lively	0.00	9.09	0.00	0.00	0.00		0.00	6.67	10.00
London	7.06	8.24	7.61	6.81	3.55		3.40	5.46	3.88
Manotick	—	0.00	16.67	—	—		—	0.00	0.00
Maple	0.00	7.69	5.88	0.00	0.00		0.00	0.00	3.70
Markham	7.58	2.86	2.99	4.17	10.84		5.05	8.33	2.22
Meaford	0.00	7.14	0.00	5.00	13.33		0.00	0.00	0.00

Gastrointestinal Hemorrhage Mortality: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	9.09	9.38	3.57	5.00	5.13	3.33	8.47	1.64	
Milton	0.00	3.45	3.45	0.00	8.82	0.00	5.56	0.00	
Mississauga	5.66	4.45	3.36	3.67	4.51	2.75	2.84	2.33	
Napanee	12.00	5.56	3.33	0.00	4.76	0.00	0.00	3.23	
Navan	—	—	—	—	—	—	—	0.00	
New Hamburg	—	—	—	—	—	—	—	9.09	
Newmarket	6.25	8.00	1.72	10.00	5.77	1.98	1.27	6.85	
Niagara Falls	6.49	2.52	3.94	2.17	6.25	2.10	4.55	5.74	
North Bay	2.47	2.30	7.06	2.91	7.04	3.65	2.46	3.85	
North York	6.33	9.21	2.60	5.00	4.41	5.61	4.90	2.73	
Oakville	5.83	6.86	1.90	1.85	2.73	1.59	2.96	1.69	
Orangeville	2.86	4.00	5.71	7.69	3.03	0.00	0.00	2.13	
Orillia	5.08	3.64	14.58	3.64	10.29	1.79	2.13	2.73	
Oshawa	7.41	5.69	6.09	5.97	2.36	2.99	3.78	6.51	
Ottawa	5.69	5.64	5.10	7.19	5.91	3.08	4.20	3.80	
Owen Sound	4.17	5.13	0.00	8.89	2.50	3.92	2.63	1.79	
Paris	8.00	0.00	5.56	7.14	7.69	18.75	4.76	8.70	
Parry Sound	0.00	5.88	13.04	5.56	3.33	2.50	6.45	0.00	
Pembroke	2.08	2.00	0.00	2.04	6.38	8.70	4.55	5.17	
Penetanguishene	0.00	0.00	3.45	5.56	3.03	6.06	0.00	2.63	
Perth	10.00	11.76	0.00	0.00	0.00	3.23	0.00	2.86	
Petawawa	0.00	—	0.00	—	0.00	0.00	0.00	11.11	
Peterborough	3.19	6.67	3.37	2.61	9.09	4.73	3.95	4.95	
Pickering	6.25	0.00	4.88	9.26	2.13	3.03	8.20	0.00	
Port Colborne	2.00	4.88	3.45	0.00	4.35	2.86	5.26	7.14	
Port Hope	0.00	0.00	0.00	7.69	8.33	4.55	0.00	5.00	
Port Perry	0.00	0.00	0.00	7.69	7.14	0.00	0.00	4.55	
Port Stanley	0.00	—	0.00	14.29	0.00	10.00	—	—	
Renfrew	18.18	5.00	4.17	4.00	3.45	2.56	3.57	2.38	
Richmond Hill	0.00	4.30	0.00	0.00	5.43	3.73	1.79	1.34	
Rockland	0.00	—	0.00	0.00	—	0.00	10.00	14.29	
Russell	—	—	—	—	—	—	—	0.00	
Sarnia	3.60	4.44	5.83	1.20	2.94	2.07	3.03	3.21	
Sault Ste. Marie	5.65	4.58	4.88	4.38	1.52	0.00	1.14	2.75	
Scarborough	5.19	4.70	6.01	3.85	5.88	3.11	4.50	5.07	
Simcoe	5.41	5.88	0.00	0.00	2.63	5.45	3.77	1.75	
Sioux Lookout	0.00	0.00	16.67	—	0.00	0.00	0.00	—	
Smiths Falls	19.05	12.50	0.00	6.06	0.00	10.34	8.33	8.82	
St. Catharine	3.89	4.81	5.13	6.63	5.75	3.35	5.93	5.45	
St. Mary's	9.09	5.88	0.00	7.69	0.00	4.17	10.53	0.00	
St. Thomas	2.41	3.28	0.00	1.72	5.62	3.06	4.00	1.05	
Stouffville	10.53	9.09	0.00	0.00	6.67	0.00	0.00	7.14	
Stratford	2.33	0.00	0.00	0.00	3.33	0.00	0.00	3.85	
Strathroy	4.76	0.00	7.14	7.14	7.41	0.00	5.00	10.00	
Sturgeon	—	—	—	—	—	0.00	13.64	0.00	
Sudbury	4.23	3.76	1.57	5.22	6.30	3.52	1.20	3.45	
Thornhill	2.86	7.27	2.53	2.86	2.38	2.70	0.83	1.74	
Thunder Bay	3.88	5.88	1.27	1.69	3.54	3.40	2.37	3.30	
Tillsonburg	5.00	8.00	8.00	6.45	4.55	4.76	7.14	5.88	
Timmins	4.35	6.67	2.44	2.94	3.77	2.04	3.23	4.92	
Toronto	6.31	6.63	4.90	6.88	5.15	3.78	4.65	4.97	
Trenton	7.50	0.00	0.00	7.14	4.76	0.00	3.23	0.00	
Uxbridge	0.00	0.00	5.88	7.14	7.69	4.76	0.00	0.00	
Val Caron	—	—	—	0.00	0.00	10.00	0.00	0.00	
Wallaceburg	10.53	11.54	11.54	4.00	5.56	0.00	4.00	8.11	
Wasaga Beach	—	—	—	—	—	—	—	0.00	
Welland	3.45	8.43	8.06	1.92	3.23	4.60	6.73	3.57	
Weston	5.61	5.08	8.24	8.70	2.94	2.22	5.34	4.80	
Whitby	5.00	2.13	0.00	3.85	3.23	5.13	2.67	1.56	
Willowdale	7.30	6.81	7.14	6.93	3.59	2.86	5.09	4.39	
Windsor	3.01	3.58	4.03	6.31	4.75	5.38	3.72	2.97	
Woodbridge	0.00	3.70	4.76	8.89	1.59	2.41	3.28	1.11	
Woodstock	1.52	1.54	5.08	4.05	2.86	4.11	2.02	0.00	
Rural	4.12	3.03	4.23	4.03	4.42	3.58	3.01	3.28	
Other	7.75	7.54	2.92	6.25	5.26	2.57	2.47	2.26	
<b>Ontario Average</b>	<b>5.06</b>	<b>4.90</b>	<b>4.44</b>	<b>4.68</b>	<b>4.54</b>	<b>3.42</b>	<b>3.73</b>	<b>3.54</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )



## Hip Fracture Mortality: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	0.00	—	0.00	16.67	—	—	16.67	0.00
Ajax	3.45	0.00	11.11	6.25	0.00	5.88	4.00	3.33
Alliston	—	0.00	0.00	7.69	6.67	11.11	6.25	0.00
Amherstburg	0.00	9.09	0.00	0.00	0.00	16.67	0.00	8.33
Arnprior	—	—	0.00	—	—	0.00	—	0.00
Aurora	7.14	0.00	15.38	13.04	0.00	3.45	6.45	11.43
Aylmer West	16.67	0.00	11.76	21.43	25.00	7.14	7.69	6.67
Barrie	1.10	8.57	5.88	3.13	1.83	7.00	5.56	8.11
Belleville	6.35	10.00	6.15	4.11	1.61	6.58	6.56	4.05
Bolton	9.09	0.00	7.69	0.00	0.00	12.50	0.00	6.67
Bowmanville	3.85	0.00	0.00	6.98	9.09	9.76	9.52	5.26
Bracebridge	0.00	0.00	6.25	0.00	0.00	0.00	8.33	2.86
Bradford	9.09	23.08	28.57	12.50	12.50	6.25	8.33	7.69
Brampton	8.25	6.35	5.94	6.67	9.70	2.17	9.60	6.90
Brantford	5.38	7.53	7.14	3.92	6.32	8.49	7.29	2.11
Brockville	12.00	8.57	6.67	9.76	11.76	15.56	8.20	4.44
Burlington	8.49	9.01	7.69	4.85	6.03	5.83	8.39	10.91
Caledon	—	—	—	—	—	—	—	—
Caledonia	—	0.00	—	11.11	0.00	12.50	0.00	11.11
Cambridge	3.49	5.56	2.56	5.88	1.43	3.57	2.70	0.97
Carleton Place	—	—	—	7.14	0.00	0.00	0.00	0.00
Chatham	1.41	4.35	2.63	3.85	1.89	1.56	9.09	7.41
Cobourg	9.09	7.14	15.00	4.76	5.00	0.00	0.00	14.29
Collingwood	5.26	0.00	4.55	8.00	8.33	6.67	8.00	0.00
Concord	—	—	—	—	—	—	0.00	11.11
Cornwall	4.92	8.33	11.54	9.62	1.61	1.49	3.57	8.16
Cumberland	—	—	—	—	—	—	—	—
Delhi	10.00	15.38	—	0.00	—	16.67	—	—
Downsview	6.12	6.73	5.88	7.37	12.20	8.25	11.24	8.41
Dryden	—	—	—	—	—	—	14.29	—
Dunnville	7.14	10.00	0.00	0.00	13.33	0.00	0.00	9.09
East Gwillimbury	—	—	—	—	10.00	0.00	—	—
Elliot Lake	33.33	9.09	18.18	6.67	0.00	0.00	9.09	11.76
Elmira	—	12.50	—	0.00	0.00	0.00	20.00	10.00
Espanola	—	—	—	—	11.11	—	—	—
Essex	0.00	—	9.09	0.00	22.22	16.67	16.67	12.50
Etobicoke	5.26	8.54	7.17	5.49	6.35	7.33	7.85	6.04
Fergus	6.67	7.14	5.88	0.00	14.29	—	0.00	0.00
Fort Erie	0.00	0.00	12.50	11.11	0.00	18.18	16.67	22.22
Fort Frances	7.69	7.69	15.38	0.00	14.29	7.69	7.14	8.33
Gananoque	13.33	0.00	21.43	10.00	14.29	30.00	20.00	16.67
Garson	0.00	—	11.11	—	—	—	—	—
Georgetown	0.00	0.00	9.52	14.29	0.00	4.76	4.55	8.33
Goderich	0.00	7.69	0.00	0.00	5.26	5.88	0.00	6.67
Gravenhurst	0.00	0.00	0.00	15.38	5.56	4.17	2.94	0.00
Greely	—	—	—	—	—	—	—	—
Grimsby	15.38	7.14	0.00	3.85	0.00	12.50	0.00	0.00
Guelph	3.70	6.67	7.94	3.75	4.76	8.42	2.35	3.74
Hamilton	6.71	8.09	9.67	8.43	6.60	5.24	8.17	5.08
Hanmer	16.67	—	—	—	—	—	—	—
Hanover	7.69	0.00	0.00	5.26	5.88	12.50	0.00	16.67
Hawkesbury	9.09	0.00	11.11	—	—	0.00	0.00	—
Huntsville	18.18	4.00	10.53	7.69	0.00	3.45	12.00	11.11
Ingersoll	0.00	0.00	0.00	0.00	0.00	14.29	7.14	14.29
Innisfil	—	—	—	—	5.88	0.00	8.33	0.00
Kapuskasing	—	0.00	0.00	—	—	—	0.00	—
Kenora	15.38	15.38	5.88	18.18	8.33	0.00	9.09	14.29
Keswick	4.76	0.00	9.09	8.33	9.09	11.11	11.76	0.00
Kincardine	12.50	—	—	0.00	11.11	—	16.67	14.29
King City	—	—	—	0.00	0.00	0.00	16.67	—
Kingston	7.76	6.67	7.03	8.55	10.87	12.03	17.73	9.56
Kingsville	25.00	11.11	18.18	0.00	6.67	15.38	5.00	17.65
Kirkland Lake	10.00	0.00	9.09	0.00	0.00	14.29	8.33	0.00
Kitchener	8.56	5.22	4.10	3.07	6.54	8.93	9.18	8.72
Leamington	7.41	0.00	0.00	8.00	6.25	12.50	9.09	0.00
Lindsay	6.98	15.22	2.17	2.44	4.44	2.94	6.25	5.41
Listowel	—	18.18	0.00	0.00	8.33	8.33	0.00	0.00
Lively	—	—	—	0.00	0.00	12.50	33.33	0.00
London	8.04	6.62	6.67	4.33	4.11	5.59	7.37	6.12
Manotick	—	—	—	—	—	—	—	—
Maple	—	13.33	0.00	21.43	28.57	0.00	7.14	4.17
Markham	7.14	9.09	7.94	3.51	12.31	13.89	6.90	4.95
Meaford	28.57	0.00	18.18	15.38	0.00	0.00	12.50	0.00

**Hip Fracture Mortality: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	7.41	4.35	0.00	5.71	3.23	0.00	14.29	12.50
Milton	9.52	5.00	4.00	7.69	3.85	0.00	0.00	9.38
Mississauga	5.35	5.37	4.43	5.62	4.32	5.38	3.52	7.80
Napanee	0.00	14.29	26.67	0.00	8.33	11.11	12.50	7.14
Navan	—	—	—	—	—	—	—	—
New Hamburg	—	—	—	—	—	—	—	0.00
Newmarket	9.09	2.70	2.38	4.62	5.41	3.77	5.00	1.85
Niagara Falls	15.28	6.41	6.58	5.71	6.35	3.80	3.23	5.33
North Bay	12.50	9.84	12.73	15.79	14.75	10.61	15.00	13.79
North York	9.88	10.00	5.88	1.43	15.09	8.82	13.58	8.22
Oakville	7.79	8.22	2.20	4.55	5.49	3.19	8.13	3.92
Orangeville	5.00	4.55	6.67	7.69	0.00	0.00	8.33	3.85
Orillia	9.84	10.20	4.35	1.82	1.52	10.71	6.90	1.64
Oshawa	8.85	8.85	3.36	4.63	6.45	4.04	6.43	3.25
Ottawa	7.36	8.51	10.04	9.76	7.05	8.57	7.43	5.89
Owen Sound	0.00	7.50	3.23	10.81	5.13	11.11	6.98	2.56
Paris	6.25	0.00	0.00	11.11	0.00	9.52	4.17	0.00
Parry Sound	8.33	4.76	5.88	6.25	13.04	9.09	30.00	5.88
Pembroke	7.69	11.11	11.54	9.52	3.23	3.23	2.56	3.57
Penetanguishene	0.00	0.00	0.00	5.00	0.00	6.25	0.00	0.00
Perth	0.00	5.88	15.38	10.00	20.00	4.76	0.00	11.76
Petawawa	—	—	—	—	—	—	—	0.00
Peterborough	10.62	8.26	4.88	6.03	6.19	0.00	4.50	3.31
Pickering	0.00	9.38	0.00	7.41	12.90	0.00	8.70	11.63
Port Colborne	26.32	9.52	36.36	9.09	11.11	0.00	10.00	10.00
Port Hope	0.00	0.00	9.09	0.00	0.00	0.00	8.33	7.69
Port Perry	—	—	9.09	12.50	0.00	—	15.38	12.50
Port Stanley	—	—	—	—	—	—	—	—
Renfrew	11.11	13.33	0.00	0.00	0.00	6.25	0.00	7.69
Richmond Hill	0.00	6.52	8.06	5.97	8.62	4.55	3.61	7.29
Rockland	—	—	16.67	0.00	—	—	0.00	0.00
Russell	—	—	—	—	—	—	—	—
Sarnia	8.33	4.00	3.03	8.24	3.95	6.49	2.02	3.57
Sault Ste. Marie	6.25	1.30	7.46	6.49	2.60	3.95	7.89	6.17
Scarborough	6.19	5.41	7.09	4.19	5.41	6.00	7.69	7.48
Simcoe	12.12	0.00	3.85	20.00	0.00	5.88	8.82	3.70
Sioux Lookout	—	—	—	—	—	—	—	—
Smiths Falls	8.70	11.76	36.36	10.53	15.38	12.50	4.76	8.70
St. Catharine	10.56	11.64	11.73	4.58	7.84	1.13	8.28	5.84
St. Mary's	0.00	10.00	0.00	0.00	11.76	0.00	6.25	7.69
St. Thomas	9.09	8.82	4.69	15.00	3.92	5.88	10.91	7.84
Stouffville	0.00	9.52	0.00	4.76	8.70	5.00	4.17	0.00
Stratford	2.17	2.22	2.56	2.33	4.76	5.13	4.17	4.44
Strathroy	15.00	10.00	4.76	9.09	13.33	14.29	6.67	0.00
Sturgeon	—	—	—	—	—	0.00	—	25.00
Sudbury	12.37	8.99	3.81	3.67	10.58	7.00	7.44	2.80
Thornhill	4.88	0.00	1.85	1.56	5.00	3.13	6.00	8.70
Thunder Bay	5.98	4.86	7.14	0.83	3.85	2.96	5.61	8.55
Tillsonburg	0.00	10.00	5.56	0.00	0.00	12.50	5.88	4.35
Timmins	5.00	3.85	7.14	7.69	0.00	0.00	9.09	7.69
Toronto	8.01	7.74	6.05	7.73	8.11	8.77	8.00	7.66
Trenton	5.88	11.76	4.76	5.00	5.00	12.50	0.00	13.79
Uxbridge	0.00	0.00	10.00	11.11	0.00	—	0.00	—
Val Caron	—	—	—	—	—	0.00	0.00	15.38
Wallaceburg	6.67	5.88	0.00	5.56	0.00	9.09	8.00	6.25
Wasaga Beach	—	—	—	—	—	—	—	—
Welland	10.53	12.50	9.52	8.70	10.64	2.70	7.50	9.38
Weston	9.59	7.32	8.82	4.40	6.02	8.22	5.21	1.39
Whitby	6.67	2.56	8.16	9.38	1.92	5.88	4.62	3.51
Willowdale	7.56	6.98	7.98	8.08	6.31	6.49	5.15	6.83
Windsor	8.65	8.48	6.25	8.04	6.37	6.70	9.09	4.57
Woodbridge	16.67	7.41	6.25	0.00	11.11	9.68	6.45	6.12
Woodstock	6.25	5.41	7.50	9.30	6.06	10.87	3.13	7.69
Rural	7.26	6.12	6.13	6.02	6.44	5.64	6.60	6.76
Other	7.64	6.25	6.22	6.33	4.37	6.78	5.86	4.73
<b>Ontario Average</b>	<b>7.30</b>	<b>6.90</b>	<b>6.68</b>	<b>6.26</b>	<b>6.38</b>	<b>6.39</b>	<b>7.19</b>	<b>6.38</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Pneumonia Mortality: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	11.76	4.55	0.00	0.00	21.05	26.32	20.00	8.33
Ajax	15.22	10.19	18.56	7.45	9.20	6.85	10.14	15.25
Alliston	12.50	23.53	11.90	20.83	17.24	17.39	23.08	11.11
Amherstburg	11.11	7.69	5.56	25.00	24.00	0.00	4.76	17.39
Arnprior	7.69	5.13	18.18	12.20	4.00	6.12	11.63	3.70
Aurora	19.05	22.22	29.17	17.74	29.09	20.00	16.07	14.75
Aylmer West	18.75	6.25	22.86	16.00	10.00	25.71	15.00	14.29
Barrie	9.35	10.19	12.50	13.95	10.94	10.58	9.78	13.68
Belleville	16.67	15.11	18.54	18.84	17.14	10.48	14.91	14.77
Bolton	15.00	9.38	10.00	3.70	24.24	16.67	14.29	5.00
Bowmanville	15.56	12.65	15.96	12.68	13.08	15.97	12.40	10.75
Bracebridge	16.13	11.54	11.67	13.04	24.32	18.00	7.84	8.33
Bradford	19.15	12.90	10.26	5.00	19.35	9.38	8.00	13.51
Brampton	16.61	9.24	10.34	10.46	6.46	8.48	14.50	15.43
Brantford	10.26	13.98	10.43	7.81	13.54	14.29	13.18	10.92
Brockville	12.90	20.21	5.26	14.43	14.78	20.21	25.00	25.00
Burlington	10.81	13.27	7.76	9.09	14.92	15.56	16.55	14.07
Caledon	—	—	—	—	16.67	—	—	—
Caledonia	6.25	13.33	0.00	0.00	11.54	5.88	9.52	4.17
Cambridge	13.53	9.96	11.19	8.97	11.36	15.05	15.02	9.19
Carleton Place	10.00	11.90	8.33	11.63	6.38	11.11	6.98	12.50
Chatham	14.63	11.89	16.06	10.40	14.88	19.05	17.35	10.14
Cobourg	12.16	15.38	11.76	20.59	16.95	16.67	25.00	29.17
Collingwood	7.27	7.94	8.89	14.49	12.99	7.84	20.00	23.08
Concord	14.29	20.00	0.00	33.33	26.32	22.22	11.11	13.64
Cornwall	15.51	9.04	14.53	9.62	9.63	15.17	7.64	12.39
Cumberland	—	12.50	—	—	—	28.57	—	—
Delhi	10.00	10.00	8.00	13.04	17.65	4.76	13.33	13.64
Downsview	15.64	19.08	17.21	19.24	23.68	19.67	20.19	21.30
Dryden	12.50	13.64	11.76	9.09	2.50	18.75	3.57	0.00
Dunnville	15.22	22.00	11.90	8.33	16.67	14.58	11.43	14.63
East Gwillimbury	28.57	0.00	33.33	0.00	0.00	—	12.50	11.11
Elliot Lake	20.00	11.11	7.32	17.24	13.16	19.35	4.17	8.70
Elmira	6.25	18.18	21.74	0.00	0.00	10.00	17.65	27.27
Espanola	8.33	10.00	16.67	11.76	17.65	8.70	16.67	10.53
Essex	19.05	11.11	20.00	29.17	4.35	11.76	20.69	20.00
Etobicoke	17.77	16.00	17.96	22.46	20.56	23.42	19.16	26.42
Fergus	8.11	11.11	9.09	2.94	10.20	4.55	13.33	5.26
Fort Erie	21.05	22.81	8.70	10.26	8.82	6.67	15.63	21.21
Fort Frances	11.11	20.00	13.73	11.76	2.50	10.81	20.59	18.18
Gananoque	19.44	17.65	8.33	4.00	14.71	8.00	4.76	17.86
Garson	11.11	11.54	15.38	31.25	15.38	33.33	0.00	37.50
Georgetown	9.62	16.00	17.31	5.00	3.45	9.09	14.58	7.84
Goderich	5.97	6.06	5.88	13.11	12.24	10.94	7.50	8.33
Gravenhurst	8.33	11.54	14.29	13.33	15.56	8.33	25.00	17.07
Greely	—	—	—	—	16.67	0.00	—	12.50
Grimsby	16.22	21.21	8.11	12.20	4.55	9.68	15.79	13.51
Guelph	18.09	12.57	10.68	15.52	15.73	17.10	12.81	14.35
Hamilton	14.31	14.40	14.27	16.12	13.62	15.04	14.87	13.47
Hanmer	12.50	18.18	15.79	5.56	6.25	0.00	0.00	23.53
Hanover	3.70	6.06	8.11	6.67	8.82	15.00	9.30	10.34
Hawkesbury	11.11	10.64	4.26	11.36	19.23	16.07	11.11	0.00
Huntsville	19.15	11.90	10.61	11.11	9.09	11.90	9.68	5.88
Ingersoll	21.21	10.64	17.07	15.63	11.11	5.71	19.51	10.53
Innisfil	—	—	—	0.00	0.00	6.98	3.70	9.09
Kapuskasing	12.50	10.81	6.52	14.81	6.25	9.68	4.76	7.14
Kenora	11.76	20.59	9.09	18.75	20.34	21.88	20.00	20.51
Keswick	25.00	16.13	20.69	14.29	10.64	21.88	18.92	11.11
Kincardine	10.00	12.82	10.81	4.76	10.87	9.09	7.41	11.76
King City	11.11	7.69	16.67	12.50	25.00	25.00	20.00	20.00
Kingston	20.34	13.67	15.58	10.34	10.07	16.55	16.81	11.79
Kingsville	12.50	12.50	11.76	10.34	18.75	9.09	18.18	3.03
Kirkland Lake	12.00	15.69	11.94	7.46	19.18	10.00	20.00	30.00
Kitchener	14.00	16.67	12.22	14.89	13.21	15.95	15.28	18.99
Leamington	14.04	2.50	8.00	5.48	9.38	13.85	4.69	15.52
Lindsay	13.48	10.14	7.52	12.90	7.41	10.26	12.00	12.00
Listowel	20.00	13.79	12.12	15.38	8.00	14.29	11.11	12.00
Lively	30.00	17.65	0.00	7.69	12.50	11.76	7.69	16.67
London	14.49	16.31	16.12	16.88	12.12	16.25	10.78	14.40
Manotick	—	—	16.67	0.00	0.00	0.00	16.67	0.00
Maple	25.00	20.00	21.21	7.69	11.11	14.71	12.12	14.29
Markham	13.04	9.82	15.89	22.88	15.45	21.28	21.90	31.25
Meaford	6.45	0.00	10.71	27.78	4.55	3.57	9.52	12.50

Pneumonia Mortality: Observed Rate by Municipality (percent)								
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	17.39	9.09	15.52	10.77	4.69	8.16	17.07	8.70
Milton	14.29	5.41	8.82	5.45	15.28	10.34	20.00	13.11
Mississauga	16.95	14.75	15.77	16.56	17.61	19.97	19.46	18.91
Napanee	15.00	14.06	15.63	7.81	14.55	10.64	8.57	14.81
Navan	0.00	—	—	16.67	—	0.00	—	—
New Hamburg	—	—	—	—	—	—	0.00	33.33
Newmarket	18.48	14.56	20.35	12.90	15.22	17.27	12.35	23.85
Niagara Falls	10.00	8.57	12.94	9.14	13.76	14.69	12.68	15.44
North Bay	11.35	14.67	11.36	3.91	5.59	6.93	11.92	6.00
North York	18.54	18.95	18.92	23.33	16.52	21.67	19.83	17.24
Oakville	11.46	13.43	9.24	13.78	16.21	14.47	16.10	15.88
Orangeville	13.41	10.11	5.10	7.89	8.54	10.47	14.63	12.12
Orillia	6.80	7.14	13.14	13.99	12.36	10.92	16.08	12.90
Oshawa	13.83	14.79	14.71	12.20	13.33	11.05	16.47	12.92
Ottawa	13.17	16.64	14.54	16.36	14.61	15.79	16.20	17.54
Owen Sound	6.74	4.17	7.61	7.14	7.96	13.70	13.75	3.90
Paris	16.00	19.35	16.67	5.00	11.54	25.00	15.63	6.25
Parry Sound	8.77	10.17	10.00	13.04	9.30	21.05	4.00	10.64
Pembroke	15.29	13.64	15.15	19.35	10.45	14.93	21.62	13.33
Penetanguishene	16.67	12.50	12.50	10.00	10.81	7.69	10.71	10.71
Perth	21.05	20.51	18.18	12.00	20.29	17.02	11.11	24.00
Petawawa	20.00	20.00	12.50	6.67	4.55	0.00	0.00	0.00
Peterborough	15.45	21.00	16.02	14.47	19.86	18.86	20.21	20.75
Pickering	11.58	11.57	12.93	6.84	18.89	9.68	12.50	15.28
Port Colborne	15.22	17.54	19.67	11.48	1.59	6.12	16.67	17.95
Port Hope	18.00	13.33	19.05	15.56	26.32	13.89	12.50	29.27
Port Perry	7.14	24.00	21.05	5.41	6.90	22.22	31.82	20.00
Port Stanley	0.00	28.57	10.00	28.57	0.00	—	—	—
Renfrew	20.00	17.07	13.64	15.38	9.43	17.95	5.41	13.16
Richmond Hill	18.85	10.07	13.13	13.75	16.03	9.18	19.88	16.50
Rockland	18.75	0.00	25.00	5.88	13.64	14.29	14.29	9.09
Russell	33.33	—	—	—	—	—	—	—
Sarnia	10.00	16.46	15.00	8.48	9.76	15.56	13.14	10.69
Sault Ste. Marie	13.85	14.64	14.62	5.92	9.03	6.45	12.57	13.54
Scarborough	17.25	19.05	20.12	20.85	20.53	21.72	23.05	20.96
Simcoe	9.88	9.09	18.92	16.42	10.00	16.67	18.92	12.31
Sioux Lookout	18.75	7.69	20.00	8.70	4.55	23.08	20.00	0.00
Smiths Falls	14.71	21.33	18.07	26.53	20.78	20.83	16.39	19.15
St. Catharine	14.92	14.58	15.24	10.12	17.65	12.84	13.96	18.55
St. Mary's	14.29	4.00	16.67	11.54	2.50	10.00	3.45	10.00
St. Thomas	18.18	13.73	10.69	11.11	8.11	22.41	13.54	11.24
Stouffville	12.20	21.21	11.11	26.47	12.90	24.24	25.00	15.38
Stratford	9.09	11.00	6.00	3.70	8.04	6.33	10.96	11.54
Strathroy	3.57	8.89	12.96	11.36	17.86	20.59	18.60	7.69
Sturgeon	—	—	—	—	20.00	34.48	17.65	16.00
Sudbury	14.15	14.77	14.49	17.60	16.03	13.45	11.74	12.16
Thornhill	11.46	7.77	12.96	19.19	14.78	14.29	15.22	12.15
Thunder Bay	11.42	16.22	14.21	13.03	13.55	10.32	10.96	7.31
Tillsonburg	12.50	10.20	10.14	7.58	8.77	9.52	10.71	6.82
Timmins	9.21	5.94	8.24	15.66	7.44	10.11	10.61	8.93
Toronto	17.27	19.09	19.59	19.51	21.28	19.50	20.44	19.30
Trenton	11.43	5.97	9.52	6.67	10.81	9.52	22.73	19.51
Uxbridge	9.76	9.80	16.67	15.52	11.76	21.43	23.53	17.39
Val Caron	22.22	20.00	15.79	16.67	6.67	0.00	29.41	38.89
Wallaceburg	9.21	10.31	15.38	12.50	6.67	17.95	15.38	16.67
Wasaga Beach	—	—	—	—	—	—	—	10.00
Welland	9.62	11.38	10.66	9.84	16.85	10.58	8.11	12.64
Weston	12.72	11.73	12.94	13.41	13.79	15.65	21.64	14.86
Whitby	17.71	13.33	15.00	17.59	14.29	14.47	11.72	20.39
Willowdale	15.65	20.85	21.88	20.97	20.91	17.69	22.77	21.64
Windsor	16.48	17.70	16.98	15.91	14.83	14.96	15.76	16.28
Woodbridge	8.89	18.00	10.34	11.25	17.48	24.39	12.00	18.69
Woodstock	17.78	8.33	18.89	13.27	7.34	15.93	17.59	16.28
Rural	10.95	10.65	11.17	12.01	10.89	12.12	11.80	11.14
Other	15.74	14.17	12.57	13.88	11.38	13.11	11.20	9.80
<b>Ontario Average</b>	<b>14.00</b>	<b>14.07</b>	<b>14.23</b>	<b>14.26</b>	<b>14.07</b>	<b>15.06</b>	<b>15.33</b>	<b>15.34</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	0.00	0.00	0.00	12.50	—	—	—
Ajax	0.00	0.00	0.00	0.00	1.85	—	1.49	0.00
Alliston	0.00	14.29	0.00	0.00	0.00	—	0.00	0.00
Amherstburg	0.00	6.67	0.00	0.00	0.00	—	0.00	0.00
Arnprior	0.00	0.00	0.00	0.00	0.00	—	5.26	0.00
Aurora	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Aylmer West	—	0.00	14.29	0.00	0.00	—	0.00	0.00
Barrie	0.00	0.00	0.00	1.54	1.04	—	3.57	0.00
Belleville	3.85	4.26	3.64	2.99	0.00	—	0.00	0.96
Bolton	0.00	—	0.00	11.11	10.00	—	0.00	0.00
Bowmanville	5.00	0.00	5.56	0.00	0.00	—	0.00	0.00
Bracebridge	0.00	8.33	0.00	0.00	0.00	—	0.00	0.00
Bradford	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Brampton	0.78	0.00	0.00	0.00	0.00	—	1.27	1.77
Brantford	2.63	0.00	2.22	0.00	0.00	—	2.38	2.78
Brockville	0.00	0.00	0.00	2.00	1.96	—	0.00	1.09
Burlington	1.16	1.16	1.94	0.70	1.69	—	1.98	2.41
Caledon	—	—	—	—	—	—	—	—
Caledonia	0.00	—	0.00	0.00	6.25	—	0.00	0.00
Cambridge	0.00	0.00	0.00	0.00	0.85	—	2.94	0.00
Carleton Place	0.00	7.69	0.00	0.00	0.00	—	0.00	3.23
Chatham	0.00	6.25	0.00	0.00	2.44	—	2.63	0.00
Cobourg	—	4.17	0.00	0.00	0.00	—	0.00	1.96
Collingwood	—	0.00	0.00	12.50	0.00	—	0.00	3.57
Concord	—	—	0.00	0.00	0.00	—	0.00	—
Cornwall	0.00	0.00	2.33	1.33	1.28	—	1.69	0.96
Cumberland	—	—	—	—	0.00	—	—	0.00
Delhi	—	—	—	—	0.00	—	0.00	—
Downsview	6.76	3.17	1.19	1.28	3.70	—	0.00	3.31
Dryden	—	—	—	—	—	—	—	—
Dunnville	—	—	0.00	0.00	0.00	—	0.00	0.00
East Gwillimbury	—	—	—	0.00	0.00	—	6.25	0.00
Elliot Lake	0.00	0.00	0.00	5.00	0.00	—	0.00	2.56
Elmira	—	—	—	—	—	—	—	0.00
Espanola	—	0.00	0.00	0.00	0.00	—	0.00	—
Essex	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Etobicoke	1.48	1.26	0.57	0.47	1.01	—	0.71	0.85
Fergus	—	—	—	0.00	0.00	—	0.00	0.00
Fort Erie	0.00	16.67	—	7.14	9.09	—	0.00	0.00
Fort Frances	—	—	—	—	—	—	—	—
Gananoque	—	0.00	7.14	6.25	8.70	—	5.00	9.52
Garson	—	0.00	0.00	11.11	0.00	—	0.00	0.00
Georgetown	0.00	0.00	0.00	0.00	5.26	—	0.00	0.00
Goderich	—	0.00	0.00	0.00	0.00	—	0.00	0.00
Gravenhurst	—	0.00	0.00	9.09	0.00	—	8.33	6.25
Greely	—	—	—	0.00	—	—	0.00	0.00
Grimsby	0.00	14.29	0.00	0.00	0.00	—	0.00	0.00
Guelph	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Hamilton	2.71	1.15	2.48	3.29	2.23	—	1.89	1.71
Hanmer	0.00	0.00	0.00	8.33	0.00	—	0.00	0.00
Hanover	0.00	—	—	0.00	—	—	0.00	—
Hawkesbury	0.00	0.00	10.00	12.50	0.00	—	6.25	10.00
Huntsville	0.00	0.00	0.00	0.00	0.00	—	0.00	6.67
Ingersoll	0.00	—	0.00	8.33	0.00	—	0.00	0.00
Innisfil	—	—	—	—	0.00	—	0.00	0.00
Kapuskasing	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Kenora	—	—	—	—	—	—	—	—
Keswick	0.00	0.00	0.00	0.00	0.00	—	0.00	3.57
Kincardine	—	0.00	0.00	0.00	0.00	—	0.00	0.00
King City	—	—	0.00	0.00	0.00	—	0.00	0.00
Kingston	1.23	3.28	2.27	2.11	3.58	—	3.41	2.09
Kingsville	0.00	—	—	0.00	0.00	—	0.00	5.26
Kirkland Lake	0.00	0.00	0.00	0.00	0.00	—	0.00	4.76
Kitchener	1.39	0.00	0.00	0.92	0.65	—	1.55	0.88
Leamington	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Lindsay	0.00	0.00	3.45	4.55	3.03	—	0.00	1.69
Listowel	—	—	—	—	—	—	—	0.00
Lively	0.00	—	0.00	0.00	—	—	0.00	6.25
London	4.76	3.64	5.15	1.71	2.16	—	4.05	2.96
Manotick	—	0.00	0.00	0.00	0.00	—	0.00	0.00
Maple	0.00	16.67	0.00	0.00	0.00	—	3.13	0.00
Markham	0.00	0.00	0.00	0.00	0.72	—	0.00	1.38
Meaford	—	—	—	0.00	0.00	—	—	11.11

**Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Milton	0.00	0.00	0.00	0.00	0.00	—	6.67	0.00
Mississauga	0.43	0.66	0.29	0.86	0.73	—	1.64	1.99
Napanee	8.33	0.00	11.11	0.00	0.00	—	2.86	2.86
Navan	—	—	—	—	—	—	—	0.00
New Hamburg	—	—	—	—	—	—	0.00	0.00
Newmarket	0.00	0.00	2.63	0.00	0.00	—	0.00	0.00
Niagara Falls	2.04	2.94	1.92	3.92	1.01	—	1.16	1.94
North Bay	3.57	0.00	2.50	0.00	0.00	—	1.43	0.00
North York	1.52	1.59	1.59	1.01	3.53	—	0.00	1.98
Oakville	0.00	1.23	0.00	0.00	0.00	—	0.00	1.92
Orangeville	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Orillia	0.00	0.00	0.00	0.00	0.00	—	0.00	1.75
Oshawa	1.35	0.00	0.00	0.00	0.00	—	0.00	1.27
Ottawa	1.83	1.71	1.17	1.27	1.50	—	1.47	2.49
Owen Sound	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Paris	—	0.00	—	0.00	0.00	—	0.00	0.00
Parry Sound	—	0.00	—	0.00	0.00	—	0.00	0.00
Pembroke	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Penetanguishene	0.00	—	0.00	7.69	0.00	—	0.00	0.00
Perth	0.00	0.00	4.76	4.17	0.00	—	0.00	0.00
Petawawa	—	0.00	0.00	—	0.00	—	8.33	0.00
Peterborough	0.00	1.35	1.54	0.00	0.63	—	1.15	0.54
Pickering	2.63	0.00	1.96	0.00	0.00	—	1.25	0.00
Port Colborne	0.00	0.00	0.00	5.88	0.00	—	0.00	2.27
Port Hope	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Port Perry	0.00	0.00	0.00	0.00	0.00	—	0.00	5.56
Port Stanley	—	—	—	—	—	—	—	—
Renfrew	0.00	0.00	0.00	0.00	0.00	—	0.00	3.57
Richmond Hill	0.00	0.00	1.45	1.12	0.85	—	2.92	1.71
Rockland	0.00	0.00	0.00	0.00	—	—	0.00	0.00
Russell	—	—	—	0.00	0.00	—	0.00	0.00
Sarnia	0.00	0.00	1.79	1.72	0.00	—	1.75	0.00
Sault Ste. Marie	1.15	0.00	0.00	1.01	0.74	—	0.00	0.00
Scarborough	1.29	0.35	0.63	1.00	0.87	—	0.71	1.44
Simcoe	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Sioux Lookout	—	—	—	—	—	—	—	—
Smiths Falls	5.00	0.00	0.00	10.00	0.00	—	0.00	0.00
St. Catharine	0.00	0.00	0.00	0.00	2.25	—	0.53	1.45
St. Mary's	—	—	0.00	0.00	—	—	0.00	0.00
St. Thomas	0.00	3.57	0.00	8.33	0.00	—	0.00	0.00
Stouffville	0.00	0.00	0.00	0.00	0.00	—	0.00	4.35
Stratford	0.00	0.00	0.00	0.00	0.00	—	0.00	5.88
Strathroy	—	0.00	0.00	0.00	0.00	—	0.00	11.11
Sturgeon	—	—	—	—	—	—	0.00	0.00
Sudbury	0.00	0.85	0.00	4.17	2.74	—	1.19	1.77
Thornhill	0.00	2.94	5.33	0.00	0.77	—	0.00	0.74
Thunder Bay	0.00	0.00	0.00	1.48	0.66	—	0.00	0.98
Tillsonburg	—	0.00	0.00	33.33	0.00	—	0.00	0.00
Timmins	0.00	0.00	0.00	0.00	0.00	—	3.17	0.00
Toronto	1.26	1.10	1.02	1.74	2.12	—	1.78	1.54
Trenton	0.00	0.00	5.56	0.00	2.38	—	1.92	0.00
Uxbridge	—	—	0.00	0.00	0.00	—	0.00	0.00
Val Caron	—	—	0.00	0.00	0.00	—	5.56	0.00
Wallaceburg	0.00	0.00	0.00	9.09	0.00	—	0.00	0.00
Wasaga Beach	—	—	—	—	—	—	—	—
Welland	0.00	0.00	0.00	0.00	0.00	—	1.82	2.47
Weston	0.00	1.69	0.00	1.52	3.42	—	1.03	0.88
Whitby	0.00	0.00	2.13	0.00	1.79	—	0.00	1.09
Willowdale	1.40	1.63	1.72	1.90	0.73	—	0.43	0.68
Windsor	0.00	0.68	0.79	1.42	0.00	—	0.83	0.00
Woodbridge	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Woodstock	0.00	0.00	7.14	0.00	0.00	—	5.88	0.00
Rural	0.64	0.89	1.54	1.33	1.14	—	0.83	1.12
Other	0.68	1.87	1.95	3.41	1.45	—	0.46	1.15
<b>Ontario Average</b>	<b>1.09</b>	<b>1.07</b>	<b>1.30</b>	<b>1.40</b>	<b>1.22</b>	<b>—</b>	<b>1.16</b>	<b>1.36</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Carotid Endarterectomy Mortality: Observed Rate by Municipality (percent)								
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—	—	—	—
Ajax	—	0.00	—	—	—	—	—	—
Alliston	—	—	—	—	—	—	—	0.00
Amherstburg	—	—	—	—	—	—	—	—
Arnprior	0.00	—	—	—	—	—	—	—
Aurora	—	0.00	—	—	—	—	—	—
Aylmer West	—	—	—	—	—	—	—	—
Barrie	5.88	0.00	0.00	0.00	0.00	0.00	0.00	4.00
Belleville	0.00	0.00	0.00	—	0.00	—	0.00	0.00
Bolton	—	—	—	—	—	—	—	—
Bowmanville	—	0.00	—	—	—	—	—	—
Bracebridge	0.00	—	—	—	—	—	—	0.00
Bradford	—	—	—	—	—	—	—	—
Brampton	3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brantford	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brockville	—	0.00	0.00	—	—	—	—	—
Burlington	0.00	0.00	5.88	0.00	0.00	0.00	0.00	0.00
Caledon	—	—	—	—	—	—	—	—
Caledonia	—	—	—	—	—	—	—	—
Cambridge	0.00	0.00	—	0.00	0.00	0.00	0.00	5.26
Carleton Place	—	—	—	—	—	—	—	0.00
Chatham	0.00	0.00	0.00	0.00	0.00	—	0.00	—
Cobourg	—	0.00	—	—	0.00	—	0.00	—
Collingwood	—	0.00	0.00	—	—	0.00	0.00	0.00
Concord	—	—	—	—	—	—	—	—
Cornwall	0.00	0.00	0.00	0.00	0.00	12.50	—	—
Cumberland	—	—	—	—	—	—	—	—
Delhi	—	—	—	—	—	—	—	—
Downsview	0.00	0.00	4.00	0.00	0.00	0.00	0.00	5.56
Dryden	—	—	—	—	—	—	—	—
Dunnville	—	—	—	—	—	—	—	—
East Gwillimbury	—	—	—	—	—	—	—	—
Elliot Lake	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Elmira	—	—	—	—	—	—	—	—
Espanola	—	0.00	—	—	—	—	—	—
Essex	—	—	—	—	—	—	—	—
Etobicoke	0.00	6.98	1.92	0.00	0.00	12.00	0.00	5.00
Fergus	—	—	—	—	—	—	—	—
Fort Erie	—	—	—	—	0.00	—	—	—
Fort Frances	—	—	—	—	—	—	—	—
Gananoque	—	—	—	—	—	—	—	—
Garson	—	—	—	—	—	—	—	—
Georgetown	—	—	—	—	—	—	—	—
Goderich	—	—	—	—	—	—	—	—
Gravenhurst	—	—	—	—	—	—	—	—
Greely	—	—	—	—	—	—	—	—
Grimsby	—	—	—	—	—	—	—	—
Guelph	0.00	0.00	0.00	0.00	0.00	5.88	0.00	0.00
Hamilton	3.45	0.00	3.41	0.00	0.00	2.00	0.00	1.52
Hanmer	0.00	—	0.00	—	—	0.00	0.00	—
Hanover	—	—	—	—	—	—	—	—
Hawkesbury	—	—	—	—	—	—	—	—
Huntsville	—	0.00	—	—	—	—	—	—
Ingersoll	—	—	—	—	—	—	—	—
Innisfil	—	—	—	0.00	0.00	0.00	0.00	0.00
Kapuskasing	0.00	—	0.00	—	0.00	—	—	—
Kenora	—	—	—	—	—	—	—	—
Keswick	—	0.00	—	—	—	—	—	—
Kincardine	—	—	—	—	—	—	—	—
King City	—	—	—	—	—	—	—	—
Kingston	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kingsville	—	—	—	—	—	—	—	—
Kirkland Lake	—	—	—	—	12.50	—	—	—
Kitchener	4.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00
Leamington	—	—	0.00	—	—	—	—	—
Lindsay	—	0.00	—	—	0.00	—	—	0.00
Listowel	—	—	—	—	—	—	—	—
Lively	—	0.00	—	—	—	—	—	—
London	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manotick	—	—	—	—	—	—	—	—
Maple	—	—	—	—	—	—	—	—
Markham	0.00	0.00	0.00	—	0.00	—	—	—
Meaford	—	—	—	—	—	—	—	—

Carotid Endarterectomy Mortality: Observed Rate by Municipality (percent)								
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	0.00	0.00	0.00	0.00	0.00	—	—	—
Milton	—	—	—	—	—	—	—	—
Mississauga	2.56	0.00	0.00	0.00	0.00	0.00	0.00	4.55
Napanee	—	—	—	—	—	—	—	—
Navan	—	—	—	—	—	—	—	—
New Hamburg	—	—	—	—	—	—	—	—
Newmarket	0.00	0.00	0.00	0.00	—	—	0.00	0.00
Niagara Falls	0.00	0.00	6.67	0.00	0.00	0.00	0.00	0.00
North Bay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North York	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oakville	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Orangeville	—	—	—	—	0.00	—	—	—
Orillia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oshawa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ottawa	3.45	1.04	0.00	1.32	1.59	0.00	0.00	2.50
Owen Sound	—	—	—	0.00	—	—	—	—
Paris	—	—	—	—	—	—	—	—
Parry Sound	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pembroke	0.00	—	0.00	0.00	—	0.00	—	—
Penetanguishene	—	—	0.00	—	0.00	—	—	—
Perth	0.00	—	0.00	—	—	—	—	—
Petawawa	—	—	—	—	—	—	—	—
Peterborough	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pickering	0.00	—	0.00	—	0.00	—	—	—
Port Colborne	—	—	0.00	0.00	—	—	—	—
Port Hope	—	—	—	—	—	—	—	—
Port Perry	—	—	—	—	—	—	—	—
Port Stanley	—	—	—	—	—	—	—	—
Renfrew	—	—	—	—	—	—	—	—
Richmond Hill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rockland	—	—	—	—	—	—	—	—
Russell	—	—	—	—	—	—	—	—
Sarnia	0.00	0.00	0.00	0.00	0.00	—	0.00	—
Sault Ste. Marie	3.13	0.00	0.00	0.00	0.00	0.00	3.33	0.00
Scarborough	2.33	2.30	0.00	1.28	0.00	2.78	2.38	0.00
Simcoe	—	—	—	0.00	—	—	—	—
Sioux Lookout	—	—	—	—	—	—	—	—
Smiths Falls	0.00	—	0.00	—	—	—	—	—
St. Catharine	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
St. Mary's	—	—	—	—	—	—	—	—
St. Thomas	0.00	0.00	—	0.00	0.00	—	—	—
Stouffville	—	—	—	—	—	—	—	—
Stratford	0.00	0.00	—	—	—	—	—	0.00
Strathroy	—	—	—	—	—	—	—	—
Sturgeon	—	—	—	—	—	—	—	0.00
Sudbury	0.00	3.45	3.03	3.03	0.00	0.00	0.00	3.45
Thornhill	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00
Thunder Bay	2.70	0.00	0.00	0.00	0.00	0.00	0.00	2.94
Tillsonburg	—	0.00	—	—	—	—	—	—
Timmins	4.17	0.00	0.00	0.00	0.00	—	0.00	—
Toronto	1.48	2.46	2.80	0.86	1.12	0.00	0.00	0.00
Trenton	0.00	0.00	—	—	—	—	—	—
Uxbridge	—	—	—	—	—	—	—	—
Val Caron	—	—	—	—	—	—	—	—
Wallaceburg	—	—	0.00	—	—	—	—	—
Wasaga Beach	—	—	—	—	—	—	—	—
Welland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Weston	5.26	0.00	5.26	0.00	0.00	0.00	0.00	0.00
Whitby	0.00	0.00	0.00	0.00	0.00	—	0.00	—
Willowdale	5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Windsor	0.00	0.00	0.00	3.45	2.86	0.00	0.00	0.00
Woodbridge	—	—	—	—	0.00	0.00	0.00	0.00
Woodstock	—	—	0.00	—	—	—	—	—
Rural	0.79	0.00	1.17	1.09	1.19	0.00	1.62	0.66
Other	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00
<b>Ontario Average</b>	<b>1.50</b>	<b>0.55</b>	<b>1.05</b>	<b>0.78</b>	<b>0.66</b>	<b>0.75</b>	<b>0.61</b>	<b>0.92</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )



**Acute Myocardial Infarction (AMI), without Transfer Cases Mortality: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—	—	—	—
Ajax	—	—	—	—	—	16.67	14.29	9.09
Alliston	—	—	—	—	—	—	57.14	14.29
Amherstburg	—	—	—	—	—	—	16.67	—
Arnprior	—	—	—	—	—	—	—	16.67
Aurora	—	—	—	—	—	0.00	—	—
Aylmer West	—	—	—	—	—	16.67	33.33	—
Barrie	—	—	—	—	—	19.23	11.63	13.64
Belleville	—	—	—	—	—	13.04	38.89	10.81
Bolton	—	—	—	—	—	16.67	—	—
Bowmanville	—	—	—	—	—	58.33	10.00	22.22
Bracebridge	—	—	—	—	—	—	—	—
Bradford	—	—	—	—	—	—	—	—
Brampton	—	—	—	—	—	11.11	21.05	27.50
Brantford	—	—	—	—	—	22.86	22.73	15.79
Brockville	—	—	—	—	—	15.87	25.00	16.22
Burlington	—	—	—	—	—	29.17	33.33	20.00
Caledon	—	—	—	—	—	—	—	—
Caledonia	—	—	—	—	—	—	—	—
Cambridge	—	—	—	—	—	35.29	25.00	45.00
Carleton Place	—	—	—	—	—	—	—	—
Chatham	—	—	—	—	—	28.00	15.79	20.69
Cobourg	—	—	—	—	—	—	—	—
Collingwood	—	—	—	—	—	—	—	—
Concord	—	—	—	—	—	—	—	—
Cornwall	—	—	—	—	—	20.51	18.75	14.89
Cumberland	—	—	—	—	—	—	—	—
Delhi	—	—	—	—	—	—	—	—
Downsview	—	—	—	—	—	16.67	—	—
Dryden	—	—	—	—	—	—	—	—
Dunnville	—	—	—	—	—	—	—	—
East Gwillimbury	—	—	—	—	—	—	—	—
Elliot Lake	—	—	—	—	—	—	—	—
Elmira	—	—	—	—	—	—	—	—
Espanola	—	—	—	—	—	—	—	—
Essex	—	—	—	—	—	10.00	0.00	20.00
Etobicoke	—	—	—	—	—	20.45	29.73	28.21
Fergus	—	—	—	—	—	—	—	—
Fort Erie	—	—	—	—	—	—	—	—
Fort Frances	—	—	—	—	—	—	—	42.86
Gananoque	—	—	—	—	—	—	—	—
Garson	—	—	—	—	—	—	—	—
Georgetown	—	—	—	—	—	—	—	—
Goderich	—	—	—	—	—	—	—	50.00
Gravenhurst	—	—	—	—	—	—	—	25.00
Greely	—	—	—	—	—	—	0.00	14.29
Grimsby	—	—	—	—	—	33.33	—	37.50
Guelph	—	—	—	—	—	16.00	30.43	25.00
Hamilton	—	—	—	—	—	20.48	16.67	20.63
Hanmer	—	—	—	—	—	—	—	—
Hanover	—	—	—	—	—	—	—	—
Hawkesbury	—	—	—	—	—	25.00	—	—
Huntsville	—	—	—	—	—	—	—	—
Ingersoll	—	—	—	—	—	0.00	25.00	—
Innisfil	—	—	—	—	—	—	—	—
Kapuskasing	—	—	—	—	—	—	—	—
Kenora	—	—	—	—	—	33.33	—	—
Keswick	—	—	—	—	—	—	—	—
Kincardine	—	—	—	—	—	—	—	—
King City	—	—	—	—	—	—	—	—
Kingston	—	—	—	—	—	17.24	15.38	23.81
Kingsville	—	—	—	—	—	18.18	15.15	5.56
Kirkland Lake	—	—	—	—	—	—	—	37.50
Kitchener	—	—	—	—	—	23.08	45.45	32.00
Leamington	—	—	—	—	—	7.69	18.37	8.57
Lindsay	—	—	—	—	—	22.22	27.27	14.29
Listowel	—	—	—	—	—	—	—	—
Lively	—	—	—	—	—	—	—	—
London	—	—	—	—	—	21.05	10.17	11.01
Manotick	—	—	—	—	—	—	0.00	0.00
Maple	—	—	—	—	—	—	—	—
Markham	—	—	—	—	—	16.13	—	16.67
Meaford	—	—	—	—	—	—	—	—

Acute Myocardial Infarction (AMI), without Transfer Cases Mortality: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	—	—	—	—	—	—	—	—	
Milton	—	—	—	—	—	28.57	—	—	
Mississauga	—	—	—	—	—	17.50	25.00	28.57	
Napanee	—	—	—	—	—	16.67	—	14.29	
Navan	—	—	—	—	—	—	—	—	
New Hamburg	—	—	—	—	—	—	—	—	
Newmarket	—	—	—	—	—	—	28.57	—	
Niagara Falls	—	—	—	—	—	11.11	56.25	28.57	
North Bay	—	—	—	—	—	33.33	21.43	0.00	
North York	—	—	—	—	—	30.00	16.67	14.29	
Oakville	—	—	—	—	—	32.00	19.23	22.22	
Orangeville	—	—	—	—	—	—	—	—	
Orillia	—	—	—	—	—	27.27	12.50	37.50	
Oshawa	—	—	—	—	—	11.11	26.32	27.27	
Ottawa	—	—	—	—	—	13.38	13.11	16.00	
Owen Sound	—	—	—	—	—	9.09	16.67	26.32	
Paris	—	—	—	—	—	—	—	—	
Parry Sound	—	—	—	—	—	—	—	—	
Pembroke	—	—	—	—	—	33.33	—	50.00	
Penetanguishene	—	—	—	—	—	—	—	—	
Perth	—	—	—	—	—	12.50	—	—	
Petawawa	—	—	—	—	—	—	—	—	
Peterborough	—	—	—	—	—	18.18	—	0.00	
Pickering	—	—	—	—	—	7.69	20.00	21.43	
Port Colborne	—	—	—	—	—	14.29	14.29	11.11	
Port Hope	—	—	—	—	—	—	—	20.00	
Port Perry	—	—	—	—	—	—	—	—	
Port Stanley	—	—	—	—	—	—	—	—	
Renfrew	—	—	—	—	—	0.00	11.11	33.33	
Richmond Hill	—	—	—	—	—	25.00	20.00	33.33	
Rockland	—	—	—	—	—	—	—	0.00	
Russell	—	—	—	—	—	—	—	—	
Sarnia	—	—	—	—	—	8.33	12.50	—	
Sault Ste. Marie	—	—	—	—	—	23.08	17.65	0.00	
Scarborough	—	—	—	—	—	27.69	29.33	21.05	
Simcoe	—	—	—	—	—	—	28.57	12.50	
Sioux Lookout	—	—	—	—	—	—	—	—	
Smiths Falls	—	—	—	—	—	14.29	—	—	
St. Catharine	—	—	—	—	—	20.59	36.36	33.96	
St. Mary's	—	—	—	—	—	42.86	—	14.29	
St. Thomas	—	—	—	—	—	27.78	20.00	11.11	
Stouffville	—	—	—	—	—	11.11	—	—	
Stratford	—	—	—	—	—	12.50	—	28.57	
Strathroy	—	—	—	—	—	—	—	—	
Sturgeon	—	—	—	—	—	—	—	42.86	
Sudbury	—	—	—	—	—	20.00	36.84	—	
Thornhill	—	—	—	—	—	0.00	0.00	—	
Thunder Bay	—	—	—	—	—	34.78	14.81	23.68	
Tillsonburg	—	—	—	—	—	—	—	—	
Timmins	—	—	—	—	—	—	30.00	14.29	
Toronto	—	—	—	—	—	23.61	23.15	15.93	
Trenton	—	—	—	—	—	0.00	—	—	
Uxbridge	—	—	—	—	—	—	16.67	—	
Val Caron	—	—	—	—	—	—	—	—	
Wallaceburg	—	—	—	—	—	—	—	—	
Wasaga Beach	—	—	—	—	—	—	—	—	
Wellsburg	—	—	—	—	—	28.57	40.00	—	
Weston	—	—	—	—	—	0.00	—	—	
Whitby	—	—	—	—	—	5.26	23.08	10.00	
Willowdale	—	—	—	—	—	34.48	13.33	14.29	
Windsor	—	—	—	—	—	17.27	14.23	17.57	
Woodbridge	—	—	—	—	—	—	—	50.00	
Woodstock	—	—	—	—	—	0.00	10.00	—	
Rural	—	—	—	—	—	16.88	14.82	18.36	
Other	—	—	—	—	—	19.51	16.67	11.86	
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>18.46</b>	<b>18.45</b>	<b>19.05</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Cesarean Section Delivery: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—		36.00	28.00	30.97
Ajax	—	—	—	—	—		29.14	34.13	35.71
Alliston	—	—	—	—	—		32.35	23.20	32.17
Amherstburg	—	—	—	—	—		37.33	25.32	37.32
Amprior	—	—	—	—	—		31.43	32.50	41.77
Aurora	—	—	—	—	—		24.51	27.49	29.47
Aylmer West	—	—	—	—	—		23.36	20.00	29.37
Barrie	—	—	—	—	—		24.55	32.02	29.94
Belleville	—	—	—	—	—		26.57	32.50	30.87
Bolton	—	—	—	—	—		28.45	30.68	36.51
Bowmanville	—	—	—	—	—		32.84	34.49	39.73
Bracebridge	—	—	—	—	—		50.63	51.43	50.70
Bradford	—	—	—	—	—		22.12	31.34	34.41
Brampton	—	—	—	—	—		29.88	31.94	31.87
Brantford	—	—	—	—	—		24.11	23.06	27.47
Brockville	—	—	—	—	—		38.01	31.10	33.82
Burlington	—	—	—	—	—		29.61	28.99	28.86
Caledon	—	—	—	—	—		23.08	10.00	50.00
Caledonia	—	—	—	—	—		24.09	28.83	27.87
Cambridge	—	—	—	—	—		24.47	27.57	25.47
Carleton Place	—	—	—	—	—		30.65	34.07	29.60
Chatham	—	—	—	—	—		18.64	24.11	27.03
Cobourg	—	—	—	—	—		24.49	39.37	32.61
Collingwood	—	—	—	—	—		24.17	26.89	34.43
Concord	—	—	—	—	—		33.51	28.50	30.65
Cornwall	—	—	—	—	—		32.46	32.61	34.31
Cumberland	—	—	—	—	—		35.71	27.27	32.00
Delhi	—	—	—	—	—		31.67	36.76	28.57
Downsview	—	—	—	—	—		29.96	33.03	29.91
Dryden	—	—	—	—	—		36.62	31.76	33.33
Dunnville	—	—	—	—	—		34.44	37.18	46.58
East Gwillimbury	—	—	—	—	—		27.94	23.33	20.75
Elliot Lake	—	—	—	—	—		40.43	40.54	42.42
Elmira	—	—	—	—	—		20.69	31.65	29.21
Espanola	—	—	—	—	—		35.00	28.13	30.43
Essex	—	—	—	—	—		28.95	29.41	22.09
Etobicoke	—	—	—	—	—		26.25	28.90	28.60
Fergus	—	—	—	—	—		26.79	26.77	32.09
Fort Erie	—	—	—	—	—		24.76	22.00	28.26
Fort Frances	—	—	—	—	—		36.17	47.37	46.34
Gananoque	—	—	—	—	—		24.56	29.31	26.00
Garson	—	—	—	—	—		37.29	44.07	41.18
Georgetown	—	—	—	—	—		28.24	28.20	27.65
Goderich	—	—	—	—	—		31.88	18.57	24.59
Gravenhurst	—	—	—	—	—		32.61	48.94	47.06
Greely	—	—	—	—	—		34.92	19.12	35.94
Grimsby	—	—	—	—	—		33.55	42.78	34.81
Guelph	—	—	—	—	—		25.40	26.41	29.76
Hamilton	—	—	—	—	—		26.12	25.46	28.43
Hanmer	—	—	—	—	—		26.42	26.47	36.11
Hanover	—	—	—	—	—		36.36	17.19	27.45
Hawkesbury	—	—	—	—	—		19.77	20.25	18.07
Huntsville	—	—	—	—	—		34.41	42.00	41.23
Ingersoll	—	—	—	—	—		26.37	16.95	24.04
Innisfil	—	—	—	—	—		28.65	34.67	29.57
Kapuskasing	—	—	—	—	—		45.21	45.90	40.82
Kenora	—	—	—	—	—		21.65	29.21	34.74
Keswick	—	—	—	—	—		25.00	25.65	27.42
Kincardine	—	—	—	—	—		34.15	26.79	36.62
King City	—	—	—	—	—		29.63	19.44	22.22
Kingston	—	—	—	—	—		26.59	27.40	26.08
Kingsville	—	—	—	—	—		33.04	36.04	30.69
Kirkland Lake	—	—	—	—	—		41.86	37.84	55.00
Kitchener	—	—	—	—	—		26.74	30.81	31.43
Leamington	—	—	—	—	—		34.32	33.33	36.90
Lindsay	—	—	—	—	—		31.61	31.21	37.58
Listowel	—	—	—	—	—		24.10	35.16	28.42
Lively	—	—	—	—	—		30.43	21.95	30.77
London	—	—	—	—	—		21.06	21.98	24.71
Manotick	—	—	—	—	—		19.05	27.59	21.57
Maple	—	—	—	—	—		27.21	29.14	29.30
Markham	—	—	—	—	—		25.27	27.55	27.49
Meaford	—	—	—	—	—		26.53	21.21	10.26

Cesarean Section Delivery: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—		36.36	38.68	40.54
Milton	—	—	—	—	—		30.04	25.48	26.22
Mississauga	—	—	—	—	—		23.22	24.55	25.79
Napanee	—	—	—	—	—		32.04	33.33	37.50
Navan	—	—	—	—	—		29.73	17.50	36.11
New Hamburg	—	—	—	—	—		31.82	34.57	29.41
Newmarket	—	—	—	—	—		21.18	26.42	28.02
Niagara Falls	—	—	—	—	—		23.39	28.12	27.27
North Bay	—	—	—	—	—		33.77	36.31	37.16
North York	—	—	—	—	—		30.17	29.24	29.22
Oakville	—	—	—	—	—		24.42	29.23	27.32
Orangeville	—	—	—	—	—		32.41	37.89	38.53
Orillia	—	—	—	—	—		31.72	37.50	37.13
Oshawa	—	—	—	—	—		34.63	36.54	36.93
Ottawa	—	—	—	—	—		24.72	27.34	28.80
Owen Sound	—	—	—	—	—		23.78	37.56	37.69
Paris	—	—	—	—	—		13.54	20.21	25.00
Parry Sound	—	—	—	—	—		32.86	41.30	40.79
Pembroke	—	—	—	—	—		25.30	32.37	31.45
Penetanguishene	—	—	—	—	—		36.11	39.58	40.00
Perth	—	—	—	—	—		30.95	26.97	37.10
Petawawa	—	—	—	—	—		28.68	34.38	24.22
Peterborough	—	—	—	—	—		22.18	33.27	31.80
Pickering	—	—	—	—	—		26.53	31.58	32.54
Port Colborne	—	—	—	—	—		32.38	36.00	39.81
Port Hope	—	—	—	—	—		38.60	37.78	34.12
Port Perry	—	—	—	—	—		34.18	39.13	33.33
Port Stanley	—	—	—	—	—		45.45	9.09	44.44
Renfrew	—	—	—	—	—		27.06	37.33	33.72
Richmond Hill	—	—	—	—	—		28.64	29.89	29.38
Rockland	—	—	—	—	—		21.98	31.76	27.27
Russell	—	—	—	—	—		12.24	31.82	19.51
Sarnia	—	—	—	—	—		21.09	28.12	26.10
Sault Ste. Marie	—	—	—	—	—		30.41	36.22	29.26
Scarborough	—	—	—	—	—		27.14	29.27	30.12
Simcoe	—	—	—	—	—		37.67	30.00	31.97
Sioux Lookout	—	—	—	—	—		30.19	40.43	40.82
Smiths Falls	—	—	—	—	—		32.48	35.61	31.03
St. Catharine	—	—	—	—	—		24.65	29.47	29.82
St. Mary's	—	—	—	—	—		32.50	26.00	33.33
St. Thomas	—	—	—	—	—		21.50	25.43	21.62
Stouffville	—	—	—	—	—		21.53	20.17	27.73
Stratford	—	—	—	—	—		37.58	49.70	32.57
Strathroy	—	—	—	—	—		26.14	29.93	35.07
Sturgeon	—	—	—	—	—		47.62	39.29	34.92
Sudbury	—	—	—	—	—		28.47	26.29	27.17
Thornhill	—	—	—	—	—		27.39	33.03	29.10
Thunder Bay	—	—	—	—	—		23.70	23.65	23.13
Tillsonburg	—	—	—	—	—		18.37	28.68	23.19
Timmins	—	—	—	—	—		32.46	34.47	35.51
Toronto	—	—	—	—	—		28.02	30.10	29.50
Trenton	—	—	—	—	—		24.26	34.23	30.67
Uxbridge	—	—	—	—	—		29.79	31.48	23.96
Val Caron	—	—	—	—	—		27.27	24.00	30.95
Wallaceburg	—	—	—	—	—		18.52	21.17	28.13
Wasaga Beach	—	—	—	—	—		—	—	17.24
Wells	—	—	—	—	—		36.44	32.01	39.22
Weston	—	—	—	—	—		27.84	28.04	31.22
Whitby	—	—	—	—	—		31.33	34.50	33.80
Willowdale	—	—	—	—	—		29.25	33.40	30.48
Windsor	—	—	—	—	—		26.20	30.66	29.02
Woodbridge	—	—	—	—	—		27.05	31.33	30.21
Woodstock	—	—	—	—	—		26.05	29.14	27.60
Rural	—	—	—	—	—		27.42	29.87	30.64
Other	—	—	—	—	—		23.25	26.39	27.24
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		<b>26.96</b>	<b>29.29</b>	<b>29.70</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Vaginal Birth after Cesarean Section (VBAC) Delivery: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—	6.67	14.29	23.08
Ajax	—	—	—	—	—	23.53	14.42	13.18
Alliston	—	—	—	—	—	9.09	18.75	30.43
Amherstburg	—	—	—	—	—	18.52	42.86	23.08
Amprior	—	—	—	—	—	9.09	11.11	0.00
Aurora	—	—	—	—	—	10.00	25.93	12.96
Aylmer West	—	—	—	—	—	13.33	47.62	19.23
Barrie	—	—	—	—	—	15.94	12.64	11.26
Belleville	—	—	—	—	—	15.38	13.46	7.55
Bolton	—	—	—	—	—	18.37	20.00	21.21
Bowmanville	—	—	—	—	—	18.82	25.26	12.87
Bracebridge	—	—	—	—	—	13.33	5.26	0.00
Bradford	—	—	—	—	—	21.43	7.14	17.65
Brampton	—	—	—	—	—	14.16	13.89	14.29
Brantford	—	—	—	—	—	26.44	29.41	24.24
Brockville	—	—	—	—	—	16.13	20.83	5.88
Burlington	—	—	—	—	—	19.64	26.04	15.47
Caledon	—	—	—	—	—	33.33	—	—
Caledonia	—	—	—	—	—	36.84	31.82	33.33
Cambridge	—	—	—	—	—	30.08	20.69	23.91
Carleton Place	—	—	—	—	—	25.00	14.29	15.79
Chatham	—	—	—	—	—	26.32	30.00	22.64
Cobourg	—	—	—	—	—	27.78	22.73	10.00
Collingwood	—	—	—	—	—	15.79	22.22	17.65
Concord	—	—	—	—	—	13.79	22.73	21.21
Cornwall	—	—	—	—	—	13.33	8.93	12.07
Cumberland	—	—	—	—	—	22.22	—	—
Delhi	—	—	—	—	—	—	38.46	21.43
Downsview	—	—	—	—	—	14.05	19.43	16.53
Dryden	—	—	—	—	—	13.33	15.00	30.00
Dunnville	—	—	—	—	—	9.09	5.26	9.52
East Gwillimbury	—	—	—	—	—	11.11	0.00	0.00
Elliot Lake	—	—	—	—	—	25.00	—	—
Elmira	—	—	—	—	—	27.27	14.29	9.09
Espanola	—	—	—	—	—	—	—	37.50
Essex	—	—	—	—	—	23.08	21.43	0.00
Etobicoke	—	—	—	—	—	18.77	18.63	19.35
Fergus	—	—	—	—	—	28.57	15.38	26.32
Fort Erie	—	—	—	—	—	15.38	7.69	9.09
Fort Frances	—	—	—	—	—	5.56	20.00	7.14
Gananoque	—	—	—	—	—	14.29	30.00	—
Garson	—	—	—	—	—	0.00	22.22	10.00
Georgetown	—	—	—	—	—	18.52	4.35	8.89
Goderich	—	—	—	—	—	10.00	—	25.00
Gravenhurst	—	—	—	—	—	11.11	0.00	0.00
Greely	—	—	—	—	—	11.11	44.44	11.11
Grimsby	—	—	—	—	—	18.75	9.38	9.38
Guelph	—	—	—	—	—	23.81	31.31	22.54
Hamilton	—	—	—	—	—	24.32	24.25	20.58
Hanmer	—	—	—	—	—	0.00	31.25	5.00
Hanover	—	—	—	—	—	22.22	41.67	—
Hawkesbury	—	—	—	—	—	55.56	0.00	50.00
Huntsville	—	—	—	—	—	20.00	0.00	13.33
Ingersoll	—	—	—	—	—	16.67	42.86	33.33
Innisfil	—	—	—	—	—	0.00	15.79	20.83
Kapuskasing	—	—	—	—	—	5.88	0.00	0.00
Kenora	—	—	—	—	—	31.25	16.67	20.00
Keswick	—	—	—	—	—	28.13	20.00	7.41
Kincardine	—	—	—	—	—	22.22	42.86	30.77
King City	—	—	—	—	—	—	—	—
Kingston	—	—	—	—	—	29.91	24.03	30.33
Kingsville	—	—	—	—	—	15.79	17.39	10.00
Kirkland Lake	—	—	—	—	—	0.00	—	20.00
Kitchener	—	—	—	—	—	26.73	19.72	19.88
Leamington	—	—	—	—	—	13.73	13.79	17.31
Lindsay	—	—	—	—	—	11.76	13.04	4.00
Listowel	—	—	—	—	—	36.36	20.00	9.09
Lively	—	—	—	—	—	0.00	12.50	16.67
London	—	—	—	—	—	44.41	39.61	30.72
Manotick	—	—	—	—	—	—	28.57	12.50
Maple	—	—	—	—	—	16.98	13.27	13.95
Markham	—	—	—	—	—	24.75	20.69	12.68
Meaford	—	—	—	—	—	16.67	—	—

**Vaginal Birth after Cesarean Section (VBAC) Delivery: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—	22.22	10.53	4.55
Milton	—	—	—	—	—	13.51	18.87	14.71
Mississauga	—	—	—	—	—	22.99	20.14	17.99
Napanee	—	—	—	—	—	6.25	25.00	10.53
Navan	—	—	—	—	—	33.33	—	14.29
New Hamburg	—	—	—	—	—	—	14.29	29.41
Newmarket	—	—	—	—	—	37.36	21.11	13.64
Niagara Falls	—	—	—	—	—	9.09	27.12	25.00
North Bay	—	—	—	—	—	15.69	7.27	18.00
North York	—	—	—	—	—	17.82	23.68	12.87
Oakville	—	—	—	—	—	19.05	11.94	12.24
Orangeville	—	—	—	—	—	6.67	8.33	4.44
Orillia	—	—	—	—	—	8.70	3.23	2.08
Oshawa	—	—	—	—	—	15.63	9.82	12.57
Ottawa	—	—	—	—	—	23.57	20.88	17.22
Owen Sound	—	—	—	—	—	10.53	24.24	18.75
Paris	—	—	—	—	—	50.00	30.00	37.50
Parry Sound	—	—	—	—	—	16.67	0.00	0.00
Pembroke	—	—	—	—	—	20.00	26.09	9.09
Penetanguishene	—	—	—	—	—	0.00	0.00	5.88
Perth	—	—	—	—	—	12.50	15.38	0.00
Petawawa	—	—	—	—	—	10.00	13.33	16.67
Peterborough	—	—	—	—	—	20.34	14.13	8.82
Pickering	—	—	—	—	—	20.00	17.35	16.84
Port Colborne	—	—	—	—	—	0.00	7.14	21.05
Port Hope	—	—	—	—	—	19.05	20.00	0.00
Port Perry	—	—	—	—	—	11.11	13.33	0.00
Port Stanley	—	—	—	—	—	—	—	—
Renfrew	—	—	—	—	—	16.67	11.11	0.00
Richmond Hill	—	—	—	—	—	17.59	13.54	13.68
Rockland	—	—	—	—	—	25.00	22.22	5.56
Russell	—	—	—	—	—	50.00	30.00	—
Sarnia	—	—	—	—	—	47.62	19.51	26.00
Sault Ste. Marie	—	—	—	—	—	24.53	10.71	20.41
Scarborough	—	—	—	—	—	24.15	22.94	18.46
Simcoe	—	—	—	—	—	22.22	29.17	13.04
Sioux Lookout	—	—	—	—	—	—	14.29	33.33
Smiths Falls	—	—	—	—	—	5.26	0.00	11.76
St. Catharine	—	—	—	—	—	25.37	17.02	16.67
St. Mary's	—	—	—	—	—	16.67	44.44	12.50
St. Thomas	—	—	—	—	—	38.89	27.50	25.00
Stouffville	—	—	—	—	—	21.74	14.29	13.33
Stratford	—	—	—	—	—	21.62	10.26	7.14
Strathroy	—	—	—	—	—	42.86	35.00	12.50
Sturgeon	—	—	—	—	—	15.38	25.00	0.00
Sudbury	—	—	—	—	—	20.00	23.08	20.00
Thornhill	—	—	—	—	—	14.61	15.79	14.29
Thunder Bay	—	—	—	—	—	27.83	38.26	28.85
Tillsonburg	—	—	—	—	—	26.67	16.67	16.67
Timmins	—	—	—	—	—	3.23	0.00	4.65
Toronto	—	—	—	—	—	23.20	16.32	16.53
Trenton	—	—	—	—	—	33.33	13.51	7.69
Uxbridge	—	—	—	—	—	27.78	10.00	8.33
Val Caron	—	—	—	—	—	0.00	0.00	14.29
Wallaceburg	—	—	—	—	—	40.00	38.89	18.18
Wasaga Beach	—	—	—	—	—	—	—	—
Welland	—	—	—	—	—	7.27	13.04	11.29
Weston	—	—	—	—	—	16.77	19.65	18.72
Whitby	—	—	—	—	—	18.66	8.33	13.02
Willowdale	—	—	—	—	—	18.18	13.46	17.93
Windsor	—	—	—	—	—	25.87	27.88	18.90
Woodbridge	—	—	—	—	—	15.38	11.61	10.00
Woodstock	—	—	—	—	—	26.47	13.33	20.51
Rural	—	—	—	—	—	22.49	20.17	16.70
Other	—	—	—	—	—	29.08	23.19	21.79
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>21.88</b>	<b>19.52</b>	<b>17.01</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Laparoscopic Cholecystectomy: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	61.90	61.90	85.19	89.47	91.67	80.00	54.55	—
Ajax	71.07	74.36	72.22	60.71	65.33	70.31	86.96	76.32
Alliston	—	77.78	92.31	100.00	—	100.00	—	—
Amherstburg	51.22	53.49	56.52	68.29	37.50	33.33	62.50	54.55
Arnprior	76.92	83.33	81.25	75.00	57.14	82.35	—	87.50
Aurora	93.10	68.18	78.13	87.50	68.42	81.82	87.50	85.71
Aylmer West	86.36	79.49	80.43	86.67	86.67	87.88	92.59	85.71
Barrie	82.83	89.71	84.38	73.53	75.68	87.67	89.29	91.67
Belleville	82.69	77.78	64.52	72.22	74.19	75.00	61.76	90.24
Bolton	84.21	73.91	70.59	81.25	100.00	90.91	75.00	72.73
Bowmanville	83.47	82.50	73.24	84.15	77.92	74.07	67.27	74.47
Bracebridge	77.78	100.00	76.19	100.00	68.42	85.00	81.82	66.67
Bradford	82.35	88.24	90.00	75.00	72.73	—	—	100.00
Brampton	85.21	90.98	86.03	78.61	80.16	82.22	86.81	85.37
Brantford	69.70	73.81	79.05	82.22	75.53	74.60	76.19	80.00
Brockville	54.84	34.38	68.57	36.59	62.96	44.12	72.73	47.83
Burlington	87.76	85.43	88.43	89.01	84.71	85.28	78.33	76.72
Caledon	—	—	—	—	—	—	—	—
Caledonia	83.33	78.57	61.54	100.00	66.67	80.00	—	70.00
Cambridge	71.32	72.55	71.97	71.88	69.42	69.79	72.00	81.97
Carleton Place	84.62	70.59	72.73	66.67	50.00	66.67	—	83.33
Chatham	72.73	72.34	67.57	72.88	60.00	68.57	64.52	70.37
Cobourg	52.38	38.46	44.44	61.54	70.00	57.14	28.57	62.50
Collingwood	85.37	76.67	75.76	43.75	66.67	52.94	55.56	70.00
Concord	—	84.62	100.00	—	64.71	81.82	83.33	100.00
Cornwall	78.77	85.71	78.57	78.81	73.81	68.85	82.00	60.98
Cumberland	—	—	—	—	—	—	—	85.71
Delhi	66.67	62.50	36.36	69.23	57.89	84.62	81.82	62.50
Downsview	82.69	77.88	86.67	80.87	76.47	86.67	90.36	86.00
Dryden	93.10	94.74	94.29	86.96	75.00	90.91	93.75	100.00
Dunnville	75.86	73.91	88.46	85.29	86.96	80.00	63.16	60.00
East Gwillimbury	83.33	—	100.00	87.50	66.67	77.78	—	—
Elliot Lake	96.67	85.00	78.57	100.00	92.86	80.95	72.73	—
Elmira	92.00	81.82	82.35	100.00	—	—	66.67	—
Espanola	65.00	69.23	85.71	—	—	—	—	—
Essex	66.67	80.77	88.00	67.74	56.25	42.86	—	—
Etobicoke	71.81	68.75	69.35	73.36	72.67	75.60	75.36	80.17
Fergus	73.68	83.33	78.95	81.82	44.44	62.50	—	50.00
Fort Erie	86.96	82.61	92.31	70.00	70.00	90.00	76.92	88.89
Fort Frances	97.56	95.65	93.55	87.50	78.79	88.57	84.21	85.71
Gananoque	100.00	100.00	—	100.00	92.31	—	70.00	—
Garson	85.71	83.33	66.67	—	—	—	—	—
Georgetown	77.55	82.05	66.67	88.46	80.95	93.75	71.43	84.21
Goderich	93.94	94.29	87.10	90.48	41.67	—	—	—
Gravenhurst	60.00	85.71	68.75	81.25	75.00	—	80.00	—
Greely	—	—	85.71	—	—	—	—	—
Grimsby	91.30	86.11	90.00	76.47	62.50	69.23	—	66.67
Guelph	82.79	82.86	83.67	84.91	79.78	81.15	75.45	75.90
Hamilton	79.81	76.15	76.54	76.63	79.03	80.37	79.57	78.36
Hanmer	97.37	86.96	70.37	83.33	—	83.33	42.86	—
Hanover	87.50	85.00	88.89	93.55	73.68	92.31	70.00	75.00
Hawkesbury	82.14	84.00	76.47	83.33	88.24	88.89	75.00	100.00
Huntsville	81.82	68.75	80.65	76.92	74.07	89.47	76.47	90.00
Ingersoll	83.87	96.97	70.83	94.74	90.48	77.78	83.33	92.59
Innisfil	—	—	—	—	76.92	85.71	66.67	100.00
Kapuskasing	65.22	84.38	92.59	86.21	85.19	93.10	—	—
Kenora	63.16	81.40	80.00	73.33	85.29	77.42	79.41	82.35
Keswick	76.92	76.47	93.75	83.33	87.50	85.71	83.33	66.67
Kincardine	95.24	95.45	90.91	88.24	85.71	73.33	93.75	90.91
King City	—	83.33	—	—	40.00	—	50.00	—
Kingston	78.79	81.00	87.00	85.00	79.75	81.71	85.59	86.81
Kingsville	86.36	88.46	92.86	82.86	74.07	60.00	63.64	88.24
Kirkland Lake	95.45	92.31	66.67	80.00	75.00	67.65	77.27	90.48
Kitchener	87.80	74.92	72.17	71.96	79.01	74.14	63.57	65.25
Leamington	87.14	92.86	84.75	82.86	91.84	84.62	85.29	93.02
Lindsay	78.22	80.95	87.32	91.43	92.19	87.27	80.65	76.32
Listowel	87.50	72.73	46.15	25.00	50.00	28.57	—	—
Lively	71.43	83.33	—	83.33	63.64	100.00	—	—
London	66.56	61.51	63.53	64.94	63.64	63.67	52.03	65.65
Manotick	100.00	—	—	71.43	100.00	—	—	—
Maple	76.92	100.00	79.17	91.67	81.82	82.35	79.17	81.82
Markham	70.27	73.68	75.28	76.74	73.58	76.14	75.00	71.05
Meaford	61.54	66.67	68.75	77.78	66.67	—	—	—

## Laparoscopic Cholecystectomy: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	79.25	88.89	87.80	80.00	62.50	74.07	76.92	61.54
Milton	85.71	70.37	77.42	78.79	61.29	90.32	80.00	92.31
Mississauga	78.28	75.61	77.21	70.34	74.55	79.43	82.35	88.51
Napanee	72.97	66.67	78.95	72.00	100.00	78.26	54.55	77.78
Navan	—	—	—	66.67	—	62.50	—	—
New Hamburg	—	—	—	—	—	—	—	83.33
Newmarket	84.62	90.91	83.33	83.33	84.38	90.24	82.14	82.35
Niagara Falls	74.03	74.60	71.43	70.21	64.00	62.50	68.42	81.82
North Bay	80.41	80.46	91.71	85.06	86.13	93.10	85.00	89.38
North York	90.29	86.87	82.00	80.33	76.06	84.00	91.67	91.89
Oakville	81.65	76.19	76.19	77.53	79.65	79.75	86.05	78.38
Orangeville	94.00	80.00	67.50	70.00	60.71	95.83	81.82	57.14
Orillia	57.14	50.00	49.18	60.71	81.43	78.67	66.04	72.50
Oshawa	75.41	71.43	74.00	68.55	71.78	79.23	75.61	68.48
Ottawa	82.14	83.67	75.93	79.27	78.29	74.07	77.27	82.77
Owen Sound	58.33	58.62	44.00	57.14	63.16	66.67	10.00	—
Paris	69.23	50.00	78.57	83.33	73.33	72.73	100.00	—
Parry Sound	65.63	76.92	80.00	58.14	82.05	79.41	58.82	62.96
Pembroke	64.71	77.27	70.00	57.89	80.00	85.71	66.67	85.71
Penetanguishene	90.48	95.83	80.00	74.07	44.44	61.54	62.50	38.46
Perth	72.73	80.00	46.15	—	42.86	—	42.86	—
Petawawa	80.00	66.67	—	—	—	—	85.71	66.67
Peterborough	77.05	74.26	69.53	74.77	73.33	81.08	83.00	85.71
Pickering	79.41	67.78	75.29	68.75	76.83	76.36	81.40	64.52
Port Colborne	56.67	79.17	66.67	68.00	72.22	68.42	64.29	—
Port Hope	75.00	75.00	77.78	76.47	73.33	70.00	—	—
Port Perry	91.67	62.50	57.14	71.43	92.86	63.64	—	100.00
Port Stanley	—	75.00	91.67	81.82	66.67	—	—	—
Renfrew	47.37	38.46	53.85	40.00	20.00	0.00	11.11	30.00
Richmond Hill	75.28	70.13	77.53	73.27	73.20	77.36	76.32	77.78
Rockland	80.00	88.89	80.95	76.92	62.50	100.00	42.86	—
Russell	92.31	—	—	88.89	—	—	—	—
Sarnia	77.70	78.00	72.73	71.29	72.50	71.83	70.27	71.43
Sault Ste. Marie	84.52	78.57	67.01	70.21	56.79	57.38	66.07	86.79
Scarborough	76.28	72.47	77.40	74.55	75.81	77.85	77.02	78.98
Simcoe	75.00	60.00	48.39	73.08	88.24	81.48	65.00	70.00
Sioux Lookout	76.92	87.50	94.44	81.82	81.25	100.00	90.00	92.86
Smiths Falls	90.00	80.00	76.19	84.62	80.00	—	—	—
St. Catharine	59.73	56.35	55.86	55.56	67.36	70.45	68.75	84.21
St. Mary's	—	—	—	42.86	33.33	—	—	—
St. Thomas	90.57	87.61	89.36	90.57	87.07	79.17	90.91	89.77
Stouffville	86.96	76.92	78.57	60.00	69.23	100.00	—	—
Stratford	56.52	54.55	46.43	59.26	48.28	66.67	37.50	56.25
Strathroy	93.10	88.10	87.23	83.33	91.89	80.95	75.00	94.44
Sturgeon	—	—	—	—	90.00	88.89	90.00	86.67
Sudbury	79.62	77.14	65.25	62.96	62.96	63.79	58.82	58.62
Thornhill	89.52	83.84	84.00	78.49	75.00	85.92	70.49	78.79
Thunder Bay	52.83	57.30	46.55	54.66	44.74	38.32	43.86	60.23
Tillsonburg	55.36	65.28	74.19	70.77	70.83	80.00	81.40	92.86
Timmins	32.65	48.84	35.59	60.00	45.10	73.47	70.83	82.76
Toronto	81.96	78.87	79.32	79.36	83.24	78.74	83.05	84.08
Trenton	88.89	83.72	85.71	79.41	75.00	86.67	90.48	84.62
Uxbridge	72.73	50.00	66.67	—	—	—	—	—
Val Caron	76.47	82.61	57.14	—	—	—	—	—
Wallaceburg	100.00	90.00	76.67	77.78	95.00	80.65	84.00	93.55
Wasaga Beach	—	—	—	—	—	—	—	—
Wellsand	70.24	72.84	83.54	81.82	80.00	83.87	82.61	92.11
Weston	75.96	74.63	68.99	72.36	83.90	73.91	79.73	81.43
Whitby	77.78	79.69	73.85	69.84	70.91	79.22	76.79	78.95
Willowdale	86.71	80.73	81.85	82.18	84.47	81.93	77.17	85.16
Windsor	70.53	71.01	68.40	70.54	57.74	40.07	49.64	59.09
Woodbridge	90.00	78.26	79.63	86.89	82.69	90.57	85.42	77.78
Woodstock	87.83	85.00	76.92	84.91	87.07	79.85	86.99	93.64
Rural	77.18	77.41	75.91	74.43	76.15	76.45	75.88	76.93
Other	80.27	80.27	80.11	76.19	80.00	78.63	75.89	76.29
<b>Ontario Average</b>	<b>78.29</b>	<b>77.00</b>	<b>75.81</b>	<b>75.40</b>	<b>75.20</b>	<b>75.82</b>	<b>75.87</b>	<b>78.90</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )



Incidental Appendectomy among the Elderly: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	5.26	5.88	0.00	0.00	7.69		—	—	—
Ajax	6.25	1.45	2.56	0.00	1.54		—	—	—
Alliston	0.00	0.00	0.00	0.00	0.00		—	—	—
Amherstburg	0.00	0.00	0.00	0.00	2.86		—	—	—
Arnprior	0.00	5.00	0.00	0.00	0.00		—	—	—
Aurora	3.70	0.00	0.00	0.00	2.94		—	—	—
Aylmer West	0.00	0.00	2.78	0.00	0.00		—	—	—
Barrie	1.63	2.78	4.80	1.30	1.33		—	—	—
Belleville	3.23	4.49	11.00	6.90	3.26		—	—	—
Bolton	0.00	0.00	5.88	0.00	0.00		—	—	—
Bowmanville	0.00	2.63	0.00	2.22	0.95		—	—	—
Bracebridge	0.00	4.17	0.00	6.06	7.32		—	—	—
Bradford	0.00	0.00	0.00	0.00	0.00		—	—	—
Brampton	1.47	1.83	1.48	1.17	0.72		—	—	—
Brantford	1.41	1.03	0.00	0.57	0.00		—	—	—
Brockville	0.00	0.00	0.00	0.00	1.41		—	—	—
Burlington	1.60	0.00	1.04	1.90	2.33		—	—	—
Caledon	—	—	—	—	—		—	—	—
Caledonia	0.00	0.00	0.00	0.00	0.00		—	—	—
Cambridge	0.00	0.56	0.95	0.49	0.50		—	—	—
Carleton Place	0.00	0.00	0.00	0.00	0.00		—	—	—
Chatham	0.00	1.05	1.18	3.57	0.85		—	—	—
Cobourg	2.04	2.17	0.00	1.89	0.00		—	—	—
Collingwood	2.78	0.00	0.00	0.00	0.00		—	—	—
Concord	0.00	—	—	0.00	0.00		—	—	—
Cornwall	2.07	5.42	1.08	1.15	4.04		—	—	—
Cumberland	—	—	—	—	—		—	—	—
Delhi	3.57	7.14	0.00	12.50	9.09		—	—	—
Downsview	0.44	0.40	0.88	0.79	0.87		—	—	—
Dryden	0.00	0.00	0.00	0.00	0.00		—	—	—
Dunnville	0.00	0.00	4.35	3.57	0.00		—	—	—
East Gwillimbury	—	—	—	0.00	—		—	—	—
Elliot Lake	0.00	0.00	0.00	0.00	0.00		—	—	—
Elmira	11.11	0.00	0.00	0.00	0.00		—	—	—
Espanola	—	0.00	0.00	0.00	0.00		—	—	—
Essex	0.00	0.00	0.00	5.88	0.00		—	—	—
Etobicoke	1.50	1.57	0.77	0.75	1.28		—	—	—
Fergus	0.00	0.00	0.00	0.00	0.00		—	—	—
Fort Erie	0.00	0.00	0.00	0.00	3.13		—	—	—
Fort Frances	0.00	4.17	5.88	0.00	0.00		—	—	—
Gananoque	5.26	5.00	5.56	0.00	0.00		—	—	—
Garson	—	0.00	0.00	0.00	0.00		—	—	—
Georgetown	2.38	0.00	0.00	0.00	2.13		—	—	—
Goderich	2.44	0.00	0.00	5.56	0.00		—	—	—
Gravenhurst	0.00	3.85	3.13	3.85	3.85		—	—	—
Greely	0.00	—	—	—	—		—	—	—
Grimsby	0.00	5.41	0.00	2.33	5.41		—	—	—
Guelph	1.23	1.82	1.58	1.86	1.84		—	—	—
Hamilton	1.22	0.57	0.90	1.07	0.22		—	—	—
Hanmer	0.00	0.00	0.00	0.00	0.00		—	—	—
Hanover	0.00	0.00	0.00	0.00	0.00		—	—	—
Hawkesbury	0.00	3.85	0.00	0.00	0.00		—	—	—
Huntsville	0.00	0.00	0.00	2.00	1.89		—	—	—
Ingersoll	0.00	0.00	0.00	0.00	0.00		—	—	—
Innisfil	—	—	—	0.00	0.00		—	—	—
Kapuskasing	0.00	4.35	0.00	0.00	0.00		—	—	—
Kenora	0.00	0.00	0.00	0.00	3.85		—	—	—
Keswick	0.00	0.00	0.00	0.00	0.00		—	—	—
Kincardine	0.00	0.00	3.57	0.00	0.00		—	—	—
King City	14.29	8.33	—	9.09	0.00		—	—	—
Kingston	0.88	0.91	4.25	0.52	1.36		—	—	—
Kingsville	0.00	4.35	0.00	0.00	0.00		—	—	—
Kirkland Lake	0.00	0.00	0.00	5.00	0.00		—	—	—
Kitchener	0.85	0.70	0.76	0.98	0.75		—	—	—
Leamington	4.35	1.92	2.04	2.50	3.39		—	—	—
Lindsay	6.94	1.96	2.47	0.00	1.28		—	—	—
Listowel	6.67	0.00	0.00	0.00	0.00		—	—	—
Lively	0.00	0.00	0.00	0.00	0.00		—	—	—
London	0.80	1.22	0.82	0.50	1.21		—	—	—
Manotick	0.00	0.00	0.00	0.00	0.00		—	—	—
Maple	9.09	6.67	5.56	0.00	0.00		—	—	—
Markham	3.70	0.00	2.44	0.00	0.71		—	—	—
Meaford	0.00	0.00	0.00	0.00	0.00		—	—	—

Incidental Appendectomy among the Elderly: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	0.00	0.00	9.30	4.44	0.00	—	—	—	
Milton	0.00	1.89	0.00	1.72	2.00	—	—	—	
Mississauga	1.26	0.38	1.24	1.12	0.95	—	—	—	
Napanee	0.00	0.00	0.00	2.33	0.00	—	—	—	
Navan	0.00	—	—	—	—	—	—	—	
New Hamburg	—	—	—	—	—	—	—	—	
Newmarket	0.00	0.00	0.00	0.00	1.43	—	—	—	
Niagara Falls	0.71	0.00	0.54	0.00	0.60	—	—	—	
North Bay	2.22	0.85	0.00	0.83	0.00	—	—	—	
North York	1.37	1.44	1.80	2.52	1.18	—	—	—	
Oakville	0.58	1.93	0.00	2.69	1.27	—	—	—	
Orangeville	2.94	0.00	4.35	0.00	0.00	—	—	—	
Orillia	0.00	0.00	1.14	3.03	0.96	—	—	—	
Oshawa	0.44	0.94	0.00	0.82	1.29	—	—	—	
Ottawa	0.76	0.79	0.47	0.77	0.64	—	—	—	
Owen Sound	0.00	0.00	0.00	0.00	0.00	—	—	—	
Paris	0.00	0.00	0.00	0.00	0.00	—	—	—	
Parry Sound	0.00	2.44	0.00	0.00	0.00	—	—	—	
Pembroke	1.85	0.00	1.69	1.61	0.00	—	—	—	
Penetanguishene	0.00	0.00	4.76	2.86	0.00	—	—	—	
Perth	0.00	0.00	0.00	0.00	0.00	—	—	—	
Petawawa	—	0.00	—	0.00	—	—	—	—	
Peterborough	1.62	3.39	1.03	1.27	3.83	—	—	—	
Pickering	8.00	3.13	5.80	2.33	1.35	—	—	—	
Port Colborne	1.61	0.00	0.00	0.00	0.00	—	—	—	
Port Hope	3.70	3.03	4.00	0.00	3.70	—	—	—	
Port Perry	4.55	0.00	0.00	3.23	5.88	—	—	—	
Port Stanley	—	—	0.00	0.00	0.00	—	—	—	
Renfrew	0.00	0.00	0.00	7.69	0.00	—	—	—	
Richmond Hill	7.29	5.41	1.05	2.27	4.62	—	—	—	
Rockland	0.00	0.00	0.00	0.00	0.00	—	—	—	
Russell	—	0.00	—	0.00	—	—	—	—	
Sarnia	0.70	0.00	1.26	1.50	1.52	—	—	—	
Sault Ste. Marie	0.60	0.00	0.48	0.00	0.00	—	—	—	
Scarborough	1.31	1.87	1.91	1.07	0.39	—	—	—	
Simcoe	1.64	6.98	7.69	7.14	4.55	—	—	—	
Sioux Lookout	—	—	0.00	—	0.00	—	—	—	
Smiths Falls	0.00	0.00	0.00	0.00	0.00	—	—	—	
St. Catharine	0.85	1.63	0.83	0.57	1.49	—	—	—	
St. Mary's	0.00	0.00	0.00	0.00	0.00	—	—	—	
St. Thomas	1.08	1.28	2.27	2.25	1.05	—	—	—	
Stouffville	0.00	0.00	3.45	0.00	0.00	—	—	—	
Stratford	0.00	0.00	0.00	1.61	0.00	—	—	—	
Strathroy	0.00	0.00	3.03	0.00	0.00	—	—	—	
Sturgeon	—	—	—	—	0.00	—	—	—	
Sudbury	0.84	0.46	0.96	0.00	0.51	—	—	—	
Thornhill	3.09	2.06	2.20	1.83	0.82	—	—	—	
Thunder Bay	1.07	0.72	0.32	0.73	0.00	—	—	—	
Tillsonburg	0.00	0.00	6.52	0.00	0.00	—	—	—	
Timmins	0.00	0.00	2.74	5.41	0.00	—	—	—	
Toronto	1.52	1.33	1.21	0.90	0.74	—	—	—	
Trenton	0.00	2.63	0.00	0.00	5.56	—	—	—	
Uxbridge	0.00	0.00	0.00	0.00	4.55	—	—	—	
Val Caron	0.00	—	0.00	0.00	0.00	—	—	—	
Wallaceburg	0.00	0.00	2.63	0.00	0.00	—	—	—	
Wasaga Beach	—	—	—	—	—	—	—	—	
Welland	0.00	0.79	0.00	0.00	0.00	—	—	—	
Weston	0.45	0.87	0.00	0.00	0.97	—	—	—	
Whitby	1.39	0.00	0.00	0.94	1.04	—	—	—	
Willowdale	0.82	1.97	1.19	0.97	0.53	—	—	—	
Windsor	1.71	1.22	0.61	1.64	1.17	—	—	—	
Woodbridge	0.00	1.59	0.00	1.52	1.16	—	—	—	
Woodstock	1.09	3.41	2.17	0.00	0.00	—	—	—	
Rural	1.35	1.52	1.24	1.42	1.21	—	—	—	
Other	2.34	0.45	0.40	0.75	0.39	—	—	—	
<b>Ontario Average</b>	<b>1.27</b>	<b>1.26</b>	<b>1.19</b>	<b>1.16</b>	<b>1.04</b>	<b>—</b>	<b>—</b>	<b>—</b>	
Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002									
"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator $\leq 5$ )									

Bilateral Cardiac Catheterization: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	22.22	—	—	0.00	0.00		—	—	—
Ajax	5.88	2.94	1.89	2.38	7.55		—	—	—
Alliston	11.54	0.00	6.67	6.67	6.67		—	—	—
Amherstburg	0.00	0.00	10.53	7.14	0.00		—	—	—
Arnprior	5.88	0.00	0.00	0.00	0.00		—	—	—
Aurora	8.00	8.33	4.55	2.94	7.41		—	—	—
Aylmer West	10.53	7.14	0.00	0.00	14.29		—	—	—
Barrie	13.79	3.85	7.48	7.53	6.25		—	—	—
Belleville	2.47	3.03	1.00	6.42	0.74		—	—	—
Bolton	10.00	5.88	—	0.00	0.00		—	—	—
Bowmanville	7.50	4.08	9.09	5.88	2.44		—	—	—
Bracebridge	5.56	5.56	20.00	0.00	8.33		—	—	—
Bradford	0.00	9.09	4.35	5.00	3.33		—	—	—
Brampton	3.61	1.97	4.65	2.24	3.63		—	—	—
Brantford	5.68	6.90	3.88	2.13	1.71		—	—	—
Brockville	3.70	2.67	0.99	0.92	3.09		—	—	—
Burlington	5.37	1.67	1.32	1.16	0.00		—	—	—
Caledon	—	—	—	—	—		—	—	—
Caledonia	4.55	7.69	4.35	5.56	0.00		—	—	—
Cambridge	3.53	2.94	1.75	2.78	1.19		—	—	—
Carleton Place	4.55	0.00	0.00	0.00	0.00		—	—	—
Chatham	1.82	10.00	5.26	7.14	4.17		—	—	—
Cobourg	4.00	1.85	0.00	6.45	8.89		—	—	—
Collingwood	9.09	0.00	17.65	13.64	0.00		—	—	—
Concord	0.00	16.67	—	0.00	15.38		—	—	—
Cornwall	2.20	2.50	0.00	0.68	0.63		—	—	—
Cumberland	0.00	—	16.67	—	0.00		—	—	—
Delhi	16.67	0.00	0.00	18.18	0.00		—	—	—
Downsview	6.29	4.26	4.76	6.74	11.90		—	—	—
Dryden	14.29	—	—	—	—		—	—	—
Dunnville	0.00	6.25	0.00	0.00	4.76		—	—	—
East Gwillimbury	0.00	0.00	0.00	7.14	6.67		—	—	—
Elliot Lake	—	—	—	—	—		—	—	—
Elmira	—	—	—	—	—		—	—	—
Espanola	—	—	—	—	—		—	—	—
Essex	—	0.00	0.00	7.69	0.00		—	—	—
Etobicoke	5.54	3.16	3.72	4.76	3.91		—	—	—
Fergus	10.00	11.11	—	0.00	0.00		—	—	—
Fort Erie	7.14	12.50	0.00	0.00	0.00		—	—	—
Fort Frances	0.00	—	—	—	—		—	—	—
Gananoque	10.00	4.00	0.00	0.00	2.44		—	—	—
Garson	—	—	—	—	—		—	—	—
Georgetown	0.00	3.85	5.26	0.00	0.00		—	—	—
Goderich	10.53	7.69	4.76	0.00	0.00		—	—	—
Gravenhurst	12.50	10.00	0.00	0.00	0.00		—	—	—
Greely	0.00	0.00	—	0.00	0.00		—	—	—
Grimsby	5.00	0.00	0.00	0.00	0.00		—	—	—
Guelph	5.08	3.90	2.86	3.85	4.29		—	—	—
Hamilton	2.37	2.52	2.06	1.48	0.66		—	—	—
Hanmer	—	—	—	—	—		—	—	—
Hanover	0.00	0.00	0.00	0.00	16.67		—	—	—
Hawkesbury	2.33	0.00	4.35	5.56	0.00		—	—	—
Huntsville	16.67	0.00	14.29	0.00	13.33		—	—	—
Ingersoll	0.00	0.00	0.00	7.69	13.33		—	—	—
Innisfil	—	—	—	0.00	—		—	—	—
Kapuskasing	—	—	—	—	—		—	—	—
Kenora	—	—	—	—	—		—	—	—
Keswick	0.00	0.00	14.29	0.00	14.29		—	—	—
Kincardine	28.57	—	9.09	0.00	7.69		—	—	—
King City	10.00	14.29	—	14.29	33.33		—	—	—
Kingston	7.37	3.44	2.56	6.98	3.16		—	—	—
Kingsville	10.00	—	—	14.29	0.00		—	—	—
Kirkland Lake	—	—	—	—	—		—	—	—
Kitchener	5.42	9.41	4.73	4.94	5.95		—	—	—
Leamington	26.67	18.18	0.00	0.00	5.88		—	—	—
Lindsay	5.77	4.35	6.52	10.81	7.50		—	—	—
Listowel	0.00	0.00	10.00	0.00	0.00		—	—	—
Lively	—	—	—	—	—		—	—	—
London	4.29	2.32	4.55	2.97	2.87		—	—	—
Manotick	0.00	0.00	0.00	5.26	0.00		—	—	—
Maple	0.00	18.75	8.33	8.33	12.50		—	—	—
Markham	4.08	3.23	1.43	5.19	4.71		—	—	—
Meaford	0.00	0.00	—	8.33	0.00		—	—	—

Bilateral Cardiac Catheterization: Observed Rate by Municipality (percent)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	7.14	5.26	13.33	0.00	0.00	—	—	—	
Milton	15.79	5.26	0.00	0.00	6.25	—	—	—	
Mississauga	3.69	2.32	2.52	2.28	1.72	—	—	—	
Napanee	17.39	0.00	0.00	5.13	5.66	—	—	—	
Navan	—	—	0.00	—	0.00	—	—	—	
New Hamburg	—	—	—	—	—	—	—	—	
Newmarket	15.15	10.34	1.92	1.79	6.19	—	—	—	
Niagara Falls	6.58	5.95	4.30	5.38	5.16	—	—	—	
North Bay	0.00	0.00	0.00	0.00	0.00	—	—	—	
North York	5.56	2.94	2.50	4.60	4.49	—	—	—	
Oakville	6.71	6.70	0.81	3.03	4.17	—	—	—	
Orangeville	0.00	9.09	7.69	10.53	3.45	—	—	—	
Orillia	10.00	6.25	7.14	1.79	5.00	—	—	—	
Oshawa	6.25	4.96	8.70	7.52	8.46	—	—	—	
Ottawa	1.87	1.77	1.18	2.00	1.41	—	—	—	
Owen Sound	13.89	0.00	2.44	0.00	11.11	—	—	—	
Paris	0.00	0.00	0.00	0.00	0.00	—	—	—	
Parry Sound	—	—	—	16.67	—	—	—	—	
Pembroke	0.00	2.90	3.70	1.15	3.70	—	—	—	
Penetanguishene	12.50	9.09	15.38	11.11	0.00	—	—	—	
Perth	2.78	0.00	4.17	4.26	2.38	—	—	—	
Petawawa	7.14	0.00	0.00	0.00	0.00	—	—	—	
Peterborough	3.77	1.42	2.42	8.88	5.37	—	—	—	
Pickering	6.10	5.13	4.05	0.00	2.30	—	—	—	
Port Colborne	0.00	0.00	0.00	0.00	0.00	—	—	—	
Port Hope	2.86	18.18	4.35	12.00	0.00	—	—	—	
Port Perry	11.11	0.00	6.67	0.00	0.00	—	—	—	
Port Stanley	—	—	—	—	—	—	—	—	
Renfrew	0.00	0.00	2.17	0.00	0.00	—	—	—	
Richmond Hill	9.09	10.26	7.81	9.46	15.28	—	—	—	
Rockland	0.00	0.00	7.69	0.00	0.00	—	—	—	
Russell	—	0.00	—	0.00	0.00	—	—	—	
Sarnia	4.55	0.00	3.95	1.18	3.28	—	—	—	
Sault Ste. Marie	0.00	1.71	0.97	0.85	0.00	—	—	—	
Scarborough	3.96	3.13	2.14	2.07	3.39	—	—	—	
Simcoe	4.55	0.00	2.94	3.70	0.00	—	—	—	
Sioux Lookout	—	—	—	—	—	—	—	—	
Smiths Falls	2.04	5.41	1.92	0.00	0.00	—	—	—	
St. Catharine	6.55	4.17	3.81	3.01	4.06	—	—	—	
St. Mary's	0.00	0.00	11.11	0.00	0.00	—	—	—	
St. Thomas	5.41	2.50	6.67	4.17	6.06	—	—	—	
Stouffville	0.00	0.00	0.00	0.00	0.00	—	—	—	
Stratford	17.24	6.90	0.00	10.53	18.75	—	—	—	
Strathroy	6.67	0.00	4.76	15.00	0.00	—	—	—	
Sturgeon	—	—	—	—	—	—	—	—	
Sudbury	16.67	0.00	5.26	0.00	0.00	—	—	—	
Thornhill	5.00	6.50	8.45	13.41	14.74	—	—	—	
Thunder Bay	4.15	0.86	0.45	0.35	0.78	—	—	—	
Tillsonburg	5.00	0.00	0.00	0.00	0.00	—	—	—	
Timmins	7.14	0.00	14.29	0.00	0.00	—	—	—	
Toronto	6.24	4.15	5.86	9.13	8.80	—	—	—	
Trenton	9.09	3.23	3.13	7.55	2.82	—	—	—	
Uxbridge	0.00	11.11	6.25	7.69	0.00	—	—	—	
Val Caron	—	—	—	—	—	—	—	—	
Wallaceburg	0.00	0.00	0.00	11.76	0.00	—	—	—	
Wasaga Beach	—	—	—	—	—	—	—	—	
Welland	3.51	5.00	2.67	1.56	1.15	—	—	—	
Weston	8.26	4.24	1.61	12.33	4.88	—	—	—	
Whitby	6.82	7.41	7.02	5.88	10.20	—	—	—	
Willowdale	6.77	6.12	7.73	4.79	4.50	—	—	—	
Windsor	9.15	13.24	4.17	5.28	0.86	—	—	—	
Woodbridge	5.56	3.23	7.14	0.00	8.11	—	—	—	
Woodstock	8.57	0.00	0.00	0.00	0.00	—	—	—	
Rural	5.11	4.25	3.19	5.01	3.55	—	—	—	
Other	5.56	3.36	3.56	3.61	2.73	—	—	—	
<b>Ontario Average</b>	<b>5.00</b>	<b>3.73</b>	<b>3.42</b>	<b>4.10</b>	<b>3.49</b>	<b>—</b>	<b>—</b>	<b>—</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Primary Cesarean Delivery: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—	21.67	18.60	25.00
Ajax	—	—	—	—	—	20.73	25.89	25.43
Alliston	—	—	—	—	—	25.27	14.68	22.83
Amherstburg	—	—	—	—	—	27.64	22.22	28.45
Amprior	—	—	—	—	—	20.34	25.35	28.13
Aurora	—	—	—	—	—	13.77	19.82	20.41
Aylmer West	—	—	—	—	—	13.04	14.29	16.00
Barrie	—	—	—	—	—	16.05	22.50	21.13
Belleville	—	—	—	—	—	18.92	23.38	21.24
Bolton	—	—	—	—	—	20.13	22.15	27.56
Bowmanville	—	—	—	—	—	23.91	26.51	29.81
Bracebridge	—	—	—	—	—	42.19	35.29	36.36
Bradford	—	—	—	—	—	13.76	21.39	23.68
Brampton	—	—	—	—	—	20.67	22.62	21.90
Brantford	—	—	—	—	—	17.15	16.94	20.55
Brockville	—	—	—	—	—	27.86	24.86	21.97
Burlington	—	—	—	—	—	21.12	21.18	20.07
Caledon	—	—	—	—	—	10.00	5.26	40.00
Caledonia	—	—	—	—	—	17.80	19.10	16.84
Cambridge	—	—	—	—	—	18.44	20.44	19.02
Carleton Place	—	—	—	—	—	22.12	24.56	19.81
Chatham	—	—	—	—	—	12.81	17.96	19.49
Cobourg	—	—	—	—	—	17.83	31.43	22.88
Collingwood	—	—	—	—	—	12.87	22.73	26.67
Concord	—	—	—	—	—	23.72	22.22	20.26
Corwall	—	—	—	—	—	21.05	22.22	24.53
Cumberland	—	—	—	—	—	15.79	21.05	32.00
Delhi	—	—	—	—	—	27.27	30.91	16.07
Downsview	—	—	—	—	—	20.85	23.28	20.74
Dryden	—	—	—	—	—	23.21	15.38	27.69
Dunnville	—	—	—	—	—	26.58	18.64	28.85
East Gwillimbury	—	—	—	—	—	18.64	11.54	8.70
Elliot Lake	—	—	—	—	—	33.33	37.14	37.93
Elmira	—	—	—	—	—	13.16	20.00	20.51
Espanola	—	—	—	—	—	30.56	18.52	13.33
Essex	—	—	—	—	—	19.05	19.72	14.10
Etobicoke	—	—	—	—	—	18.04	20.47	20.24
Fergus	—	—	—	—	—	16.48	20.18	25.22
Fort Erie	—	—	—	—	—	16.30	11.49	19.75
Fort Frances	—	—	—	—	—	22.37	35.71	36.76
Gananoque	—	—	—	—	—	16.00	20.83	17.78
Garson	—	—	—	—	—	28.85	38.00	29.27
Georgetown	—	—	—	—	—	18.18	17.79	17.97
Goderich	—	—	—	—	—	22.03	16.42	16.98
Gravenhurst	—	—	—	—	—	18.92	35.14	35.71
Greely	—	—	—	—	—	25.93	13.56	27.27
Grimsby	—	—	—	—	—	20.83	32.43	22.82
Guelph	—	—	—	—	—	18.57	22.00	22.08
Hamilton	—	—	—	—	—	18.72	17.96	20.93
Hanmer	—	—	—	—	—	17.89	18.60	22.73
Hanover	—	—	—	—	—	29.82	7.69	21.28
Hawkesbury	—	—	—	—	—	16.88	13.70	15.58
Huntsville	—	—	—	—	—	28.92	30.12	34.34
Ingersoll	—	—	—	—	—	17.72	11.54	20.00
Innisfil	—	—	—	—	—	21.79	22.98	22.22
Kapuskasing	—	—	—	—	—	30.36	36.54	29.27
Kenora	—	—	—	—	—	12.35	20.78	26.25
Keswick	—	—	—	—	—	17.92	18.83	19.46
Kincardine	—	—	—	—	—	21.88	22.45	29.31
King City	—	—	—	—	—	24.00	14.71	16.67
Kingston	—	—	—	—	—	20.82	20.02	20.16
Kingsville	—	—	—	—	—	22.92	23.86	16.05
Kirkland Lake	—	—	—	—	—	28.57	34.38	46.67
Kitchener	—	—	—	—	—	20.09	22.78	23.31
Leamington	—	—	—	—	—	23.81	19.46	25.00
Lindsay	—	—	—	—	—	24.64	21.64	26.52
Listowel	—	—	—	—	—	18.06	26.32	20.24
Lively	—	—	—	—	—	17.95	6.06	21.21
London	—	—	—	—	—	16.89	17.25	18.76
Manotick	—	—	—	—	—	12.82	21.57	9.30
Maple	—	—	—	—	—	16.90	19.49	20.93
Markham	—	—	—	—	—	18.22	19.05	17.27
Meaford	—	—	—	—	—	18.60	16.13	5.56

## Primary Cesarean Delivery: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—	31.65	27.59	26.97
Milton	—	—	—	—	—	21.54	18.42	18.60
Mississauga	—	—	—	—	—	15.87	16.46	17.01
Napanee	—	—	—	—	—	20.69	25.30	25.88
Navan	—	—	—	—	—	22.58	13.51	24.14
New Hamburg	—	—	—	—	—	21.05	23.88	19.12
Newmarket	—	—	—	—	—	13.40	17.46	18.39
Niagara Falls	—	—	—	—	—	12.25	21.74	20.69
North Bay	—	—	—	—	—	26.05	24.81	29.18
North York	—	—	—	—	—	22.42	20.20	20.48
Oakville	—	—	—	—	—	15.20	19.74	17.90
Orangeville	—	—	—	—	—	22.58	28.47	29.83
Orillia	—	—	—	—	—	21.29	24.83	25.87
Oshawa	—	—	—	—	—	26.24	27.32	26.78
Ottawa	—	—	—	—	—	18.32	20.10	20.99
Owen Sound	—	—	—	—	—	15.17	29.88	29.34
Paris	—	—	—	—	—	10.23	14.29	21.74
Parry Sound	—	—	—	—	—	22.41	29.87	34.78
Pembroke	—	—	—	—	—	19.87	24.14	21.90
Penetanguishene	—	—	—	—	—	25.81	23.68	25.40
Perth	—	—	—	—	—	17.65	17.11	25.00
Petawawa	—	—	—	—	—	18.10	27.43	18.10
Peterborough	—	—	—	—	—	14.73	22.42	22.91
Pickering	—	—	—	—	—	17.90	23.04	24.27
Port Colborne	—	—	—	—	—	23.66	26.74	31.46
Port Hope	—	—	—	—	—	29.03	32.50	16.42
Port Perry	—	—	—	—	—	18.03	29.87	21.74
Port Stanley	—	—	—	—	—	40.00	10.00	37.50
Renfrew	—	—	—	—	—	17.81	30.30	26.92
Richmond Hill	—	—	—	—	—	19.98	20.47	20.38
Rockland	—	—	—	—	—	16.87	26.32	14.13
Russell	—	—	—	—	—	6.98	20.59	11.11
Sarnia	—	—	—	—	—	15.87	21.05	18.99
Sault Ste. Marie	—	—	—	—	—	23.74	23.66	22.55
Scarborough	—	—	—	—	—	19.79	21.31	21.55
Simcoe	—	—	—	—	—	28.57	20.75	19.19
Sioux Lookout	—	—	—	—	—	27.08	32.50	37.21
Smiths Falls	—	—	—	—	—	20.41	20.56	21.21
St. Catharine	—	—	—	—	—	16.94	21.19	20.93
St. Mary's	—	—	—	—	—	23.53	19.51	23.26
St. Thomas	—	—	—	—	—	16.49	19.35	15.15
Stouffville	—	—	—	—	—	10.74	11.43	19.23
Stratford	—	—	—	—	—	25.00	37.30	23.68
Strathroy	—	—	—	—	—	21.21	23.93	23.64
Sturgeon	—	—	—	—	—	38.00	33.33	26.79
Sudbury	—	—	—	—	—	20.81	19.68	18.72
Thornhill	—	—	—	—	—	18.64	22.48	18.91
Thunder Bay	—	—	—	—	—	15.68	17.25	15.95
Tillsonburg	—	—	—	—	—	12.12	20.34	17.46
Timmins	—	—	—	—	—	22.34	26.44	22.77
Toronto	—	—	—	—	—	21.66	22.60	21.75
Trenton	—	—	—	—	—	16.86	23.78	17.74
Uxbridge	—	—	—	—	—	19.74	18.18	14.29
Val Caron	—	—	—	—	—	18.37	13.64	20.00
Wallaceburg	—	—	—	—	—	15.20	15.13	16.98
Wasaga Beach	—	—	—	—	—	—	—	12.00
Welland	—	—	—	—	—	26.79	23.05	28.81
Weston	—	—	—	—	—	19.31	19.16	21.20
Whitby	—	—	—	—	—	21.96	26.11	23.77
Willowdale	—	—	—	—	—	21.40	25.48	24.03
Windsor	—	—	—	—	—	19.95	22.47	20.60
Woodbridge	—	—	—	—	—	17.80	21.41	19.91
Woodstock	—	—	—	—	—	20.22	19.93	20.07
Rural	—	—	—	—	—	19.09	21.18	21.10
Other	—	—	—	—	—	16.98	20.18	18.71
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>19.29</b>	<b>21.09</b>	<b>21.03</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Vaginal Birth after Cesarean Section (VBAC), All: Observed Rate by Municipality (percent)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—	5.56	13.33	26.67
Ajax	—	—	—	—	—	21.43	13.27	12.41
Alliston	—	—	—	—	—	16.67	22.22	28.00
Amherstburg	—	—	—	—	—	21.43	37.50	22.22
Amprior	—	—	—	—	—	7.69	11.11	0.00
Aurora	—	—	—	—	—	10.71	25.00	13.33
Aylmer West	—	—	—	—	—	11.76	40.00	19.23
Barrie	—	—	—	—	—	16.88	12.82	10.69
Belleville	—	—	—	—	—	18.18	12.73	6.78
Bolton	—	—	—	—	—	21.82	23.08	20.00
Bowmanville	—	—	—	—	—	17.78	25.49	12.96
Bracebridge	—	—	—	—	—	13.33	4.76	0.00
Bradford	—	—	—	—	—	21.43	9.68	17.65
Brampton	—	—	—	—	—	15.30	14.39	14.03
Brantford	—	—	—	—	—	26.04	29.67	23.53
Brockville	—	—	—	—	—	15.63	18.52	5.56
Burlington	—	—	—	—	—	19.34	26.24	16.92
Caledon	—	—	—	—	—	33.33	—	—
Caledonia	—	—	—	—	—	38.10	30.77	33.33
Cambridge	—	—	—	—	—	30.07	20.13	22.97
Carleton Place	—	—	—	—	—	22.73	14.29	14.29
Chatham	—	—	—	—	—	26.83	31.48	23.21
Cobourg	—	—	—	—	—	26.32	21.74	12.00
Collingwood	—	—	—	—	—	15.79	20.00	21.05
Concord	—	—	—	—	—	12.90	21.74	22.86
Corwall	—	—	—	—	—	13.85	8.62	13.33
Cumberland	—	—	—	—	—	22.22	—	—
Delhi	—	—	—	—	—	33.33	38.46	26.67
Downsview	—	—	—	—	—	14.01	19.21	17.31
Dryden	—	—	—	—	—	13.33	18.18	30.00
Dunnville	—	—	—	—	—	9.09	4.76	9.09
East Gwillimbury	—	—	—	—	—	11.11	0.00	0.00
Elliot Lake	—	—	—	—	—	22.22	—	—
Elmira	—	—	—	—	—	23.08	18.75	7.69
Espanola	—	—	—	—	—	33.33	—	37.50
Essex	—	—	—	—	—	21.43	21.43	0.00
Etobicoke	—	—	—	—	—	18.92	18.34	18.77
Fergus	—	—	—	—	—	26.09	13.33	25.00
Fort Erie	—	—	—	—	—	14.29	7.14	9.09
Fort Frances	—	—	—	—	—	5.26	22.73	7.14
Gananoque	—	—	—	—	—	33.33	30.00	—
Garson	—	—	—	—	—	0.00	22.22	23.08
Georgetown	—	—	—	—	—	18.33	3.92	9.62
Goderich	—	—	—	—	—	9.09	—	25.00
Gravenhurst	—	—	—	—	—	11.11	0.00	0.00
Greely	—	—	—	—	—	20.00	36.36	20.00
Grimsby	—	—	—	—	—	18.92	8.57	13.89
Guelph	—	—	—	—	—	24.43	30.10	22.00
Hamilton	—	—	—	—	—	22.89	24.32	20.48
Hanmer	—	—	—	—	—	0.00	31.25	5.00
Hanover	—	—	—	—	—	18.18	38.46	0.00
Hawkesbury	—	—	—	—	—	50.00	0.00	50.00
Huntsville	—	—	—	—	—	18.18	0.00	13.33
Ingersoll	—	—	—	—	—	28.57	37.50	27.27
Innisfil	—	—	—	—	—	5.88	17.07	20.00
Kapuskasing	—	—	—	—	—	5.56	0.00	0.00
Kenora	—	—	—	—	—	31.25	16.67	20.00
Keswick	—	—	—	—	—	28.13	19.44	7.14
Kincardine	—	—	—	—	—	22.22	42.86	30.77
King City	—	—	—	—	—	16.67	—	—
Kingston	—	—	—	—	—	31.53	24.43	29.37
Kingsville	—	—	—	—	—	15.00	17.39	9.52
Kirkland Lake	—	—	—	—	—	0.00	—	20.00
Kitchener	—	—	—	—	—	26.69	19.02	20.05
Leamington	—	—	—	—	—	13.46	15.87	16.67
Lindsay	—	—	—	—	—	10.00	13.04	4.00
Listowel	—	—	—	—	—	36.36	18.75	7.69
Lively	—	—	—	—	—	0.00	12.50	14.29
London	—	—	—	—	—	44.10	38.91	30.16
Manotick	—	—	—	—	—	—	28.57	11.11
Maple	—	—	—	—	—	17.70	14.81	13.83
Markham	—	—	—	—	—	24.15	20.33	14.61
Meaford	—	—	—	—	—	25.00	—	—

**Vaginal Birth after Cesarean Section (VBAC), All: Observed Rate by Municipality (percent)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—	20.00	10.00	4.17
Milton	—	—	—	—	—	13.16	17.54	14.29
Mississauga	—	—	—	—	—	22.74	19.82	17.48
Napanee	—	—	—	—	—	6.25	22.22	10.00
Navan	—	—	—	—	—	33.33	—	14.29
New Hamburg	—	—	—	—	—	—	13.33	29.41
Newmarket	—	—	—	—	—	37.89	22.45	14.74
Niagara Falls	—	—	—	—	—	12.50	25.00	24.62
North Bay	—	—	—	—	—	16.67	8.77	18.97
North York	—	—	—	—	—	18.52	23.33	16.07
Oakville	—	—	—	—	—	20.30	11.87	12.50
Orangeville	—	—	—	—	—	8.33	8.00	8.16
Orillia	—	—	—	—	—	10.42	3.08	3.64
Oshawa	—	—	—	—	—	15.47	11.76	11.79
Ottawa	—	—	—	—	—	23.17	20.11	16.45
Owen Sound	—	—	—	—	—	9.52	23.53	18.92
Paris	—	—	—	—	—	50.00	27.27	37.50
Parry Sound	—	—	—	—	—	15.38	0.00	0.00
Pembroke	—	—	—	—	—	17.65	26.92	8.33
Penetanguishene	—	—	—	—	—	0.00	0.00	5.26
Perth	—	—	—	—	—	11.76	15.38	0.00
Petawawa	—	—	—	—	—	9.09	13.33	25.00
Peterborough	—	—	—	—	—	20.31	13.68	8.33
Pickering	—	—	—	—	—	19.27	18.10	18.63
Port Colborne	—	—	—	—	—	0.00	6.67	20.00
Port Hope	—	—	—	—	—	21.74	18.18	0.00
Port Perry	—	—	—	—	—	9.52	12.50	6.67
Port Stanley	—	—	—	—	—	—	—	—
Renfrew	—	—	—	—	—	13.33	16.67	0.00
Richmond Hill	—	—	—	—	—	18.48	14.42	13.40
Rockland	—	—	—	—	—	20.00	30.00	10.00
Russell	—	—	—	—	—	50.00	30.00	33.33
Sarnia	—	—	—	—	—	44.44	17.78	24.53
Sault Ste. Marie	—	—	—	—	—	24.14	11.49	19.23
Scarborough	—	—	—	—	—	24.57	22.58	18.70
Simcoe	—	—	—	—	—	24.14	29.17	12.00
Sioux Lookout	—	—	—	—	—	33.33	12.50	25.00
Smiths Falls	—	—	—	—	—	5.00	0.00	9.09
St. Catharine	—	—	—	—	—	24.82	16.88	17.75
St. Mary's	—	—	—	—	—	16.67	44.44	27.27
St. Thomas	—	—	—	—	—	39.47	25.00	23.08
Stouffville	—	—	—	—	—	19.23	13.33	23.53
Stratford	—	—	—	—	—	21.05	10.26	7.14
Strathroy	—	—	—	—	—	43.48	34.62	13.33
Sturgeon	—	—	—	—	—	15.38	25.00	0.00
Sudbury	—	—	—	—	—	19.18	22.73	17.72
Thornhill	—	—	—	—	—	14.29	15.71	13.95
Thunder Bay	—	—	—	—	—	28.23	40.65	28.04
Tillsonburg	—	—	—	—	—	26.67	15.00	20.00
Timmins	—	—	—	—	—	3.03	2.70	4.44
Toronto	—	—	—	—	—	23.29	17.09	16.16
Trenton	—	—	—	—	—	34.38	14.63	11.63
Uxbridge	—	—	—	—	—	27.78	10.00	8.33
Val Caron	—	—	—	—	—	0.00	0.00	14.29
Wallaceburg	—	—	—	—	—	40.00	35.00	18.18
Wasaga Beach	—	—	—	—	—	—	—	50.00
Wellsand	—	—	—	—	—	6.90	12.50	11.43
Weston	—	—	—	—	—	17.82	19.47	18.00
Whitby	—	—	—	—	—	19.31	8.57	12.64
Willowdale	—	—	—	—	—	18.48	13.27	17.07
Windsor	—	—	—	—	—	25.64	27.64	19.14
Woodbridge	—	—	—	—	—	15.60	11.73	10.53
Woodstock	—	—	—	—	—	28.57	14.58	23.40
Rural	—	—	—	—	—	22.37	19.74	16.95
Other	—	—	—	—	—	27.63	23.57	20.67
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>21.95</b>	<b>19.44</b>	<b>17.01</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )



## Death in Low-Mortality DRGs: Observed Rate by Municipality (per Thousand)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	10.3	3.6	0.0	3.7	4.2	7.5	6.6	3.1
Ajax	2.3	1.9	1.3	0.6	1.2	1.1	0.6	0.5
Alliston	5.0	6.8	7.8	3.0	5.2	18.2	9.8	5.0
Amherstburg	9.3	5.8	0.0	0.0	2.2	1.8	2.0	2.0
Arnprior	0.0	3.2	5.8	9.4	0.0	2.8	0.0	6.3
Aurora	0.0	4.2	6.4	4.2	5.9	4.9	2.2	2.0
Aylmer West	11.1	5.0	5.3	0.0	2.6	2.5	5.0	2.7
Barrie	0.4	0.0	0.4	0.7	0.7	1.4	1.1	2.0
Belleville	7.2	5.8	3.8	5.3	5.8	9.8	6.1	7.5
Bolton	3.8	3.8	1.9	1.7	0.0	0.0	1.4	2.5
Bowmanville	1.1	3.6	4.4	3.7	4.5	7.1	2.6	0.5
Bracebridge	9.2	2.2	9.2	15.9	5.0	6.7	4.9	6.9
Bradford	3.8	4.0	4.4	7.7	2.1	0.0	7.1	0.0
Brampton	1.0	0.7	1.6	0.8	1.0	0.8	1.3	1.4
Brantford	5.6	6.4	8.0	7.1	7.7	3.9	5.1	4.3
Brockville	17.3	14.3	10.2	11.2	12.0	15.4	10.8	9.0
Burlington	5.7	5.7	6.2	4.6	6.7	3.3	4.0	3.9
Caledon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Caledonia	0.0	3.5	6.8	10.9	0.0	2.8	5.6	3.1
Cambridge	2.3	2.1	2.4	2.6	2.4	2.7	1.8	2.1
Carleton Place	4.8	2.4	8.4	10.7	8.5	9.9	7.2	12.9
Chatham	5.5	4.1	7.3	4.6	5.2	5.3	5.3	4.5
Cobourg	10.4	12.6	12.1	3.9	7.5	11.2	16.0	12.1
Collingwood	18.4	13.1	3.6	12.4	7.1	3.3	9.5	22.1
Concord	0.0	5.4	5.4	4.4	3.4	0.0	0.0	2.5
Cornwall	6.0	7.2	4.8	8.8	7.4	5.7	3.7	3.7
Cumberland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delhi	14.9	4.1	9.3	14.2	14.6	21.9	30.8	9.1
Downsview	5.1	4.4	1.8	3.6	2.6	2.7	3.4	2.3
Dryden	5.1	12.1	11.2	5.4	12.9	14.1	11.0	9.3
Dunnville	2.7	12.7	11.7	16.6	10.2	8.4	10.1	20.4
East Gwillimbury	4.7	0.0	5.2	0.0	0.0	0.0	0.0	0.0
Elliot Lake	10.4	20.3	16.9	12.7	8.5	16.3	15.4	24.7
Elmira	5.2	0.0	0.0	0.0	0.0	4.7	20.4	10.3
Espanola	12.8	9.0	0.0	5.5	0.0	5.6	0.0	6.4
Essex	8.1	3.2	3.4	3.4	0.0	3.1	3.4	3.3
Etobicoke	3.0	2.6	3.3	3.2	3.1	4.0	2.6	2.7
Fergus	7.4	5.0	5.6	9.1	3.4	5.0	2.5	5.2
Fort Erie	3.3	12.1	16.4	6.1	4.5	6.0	8.8	2.1
Fort Frances	7.0	8.8	4.6	4.6	2.3	6.6	5.1	2.5
Gananoque	5.8	6.3	0.0	14.1	0.0	11.2	0.0	7.1
Garson	0.0	4.1	0.0	0.0	0.0	8.9	0.0	4.7
Georgetown	4.6	2.4	1.3	1.4	2.7	2.3	7.9	3.7
Goderich	4.6	12.9	2.6	3.2	0.0	5.5	0.0	6.0
Gravenhurst	0.0	7.7	0.0	19.6	14.8	8.8	27.4	22.5
Greely	0.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0
Grimsby	10.9	4.6	11.3	7.0	0.0	6.1	7.5	1.8
Guelph	5.8	3.7	4.0	3.7	4.0	3.7	1.0	1.8
Hamilton	4.6	3.7	4.1	3.1	3.7	3.7	3.4	3.6
Hanmer	2.3	0.0	2.3	2.4	2.8	0.0	4.9	0.0
Hanover	0.0	10.1	2.4	11.8	8.9	10.7	6.7	15.5
Hawkesbury	9.3	3.4	11.3	0.0	9.7	3.2	7.7	8.5
Huntsville	6.3	6.9	4.6	5.9	9.4	13.4	2.5	2.8
Ingersoll	5.7	4.2	6.6	2.2	2.6	2.3	6.3	4.9
Innisfil	—	—	—	0.0	0.0	0.0	0.0	5.1
Kapuskasing	6.2	0.0	13.2	10.3	7.8	0.0	10.8	7.4
Kenora	16.3	10.1	6.7	20.2	15.7	6.0	10.0	4.4
Keswick	3.3	0.0	1.9	6.5	0.0	4.1	2.9	0.0
Kincardine	8.7	0.0	8.4	18.0	10.6	7.2	7.8	4.1
King City	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0
Kingston	1.3	1.2	4.6	5.6	2.3	2.3	3.5	2.4
Kingsville	0.0	2.5	2.6	2.9	9.2	2.6	8.5	2.7
Kirkland Lake	18.6	24.9	18.2	21.7	8.1	15.5	28.8	12.4
Kitchener	3.9	4.7	4.1	5.2	4.7	2.1	4.3	2.2
Leamington	1.9	3.2	3.1	5.7	6.3	6.5	0.0	5.4
Lindsay	6.1	6.4	2.1	7.2	3.7	9.8	9.1	5.2
Listowel	11.2	0.0	15.3	15.8	14.3	7.0	14.4	9.2
Lively	6.1	0.0	4.8	11.1	4.8	15.6	0.0	11.4
London	3.0	1.9	1.7	2.7	3.4	2.8	1.6	1.6
Manotick	0.0	0.0	9.6	0.0	0.0	0.0	7.6	8.2
Maple	3.4	1.6	1.4	1.2	0.0	0.0	0.8	1.5
Markham	2.5	3.7	2.6	3.7	4.6	0.9	4.0	3.9
Meaford	0.0	13.5	4.0	12.0	8.6	4.1	13.0	0.0

**Death in Low-Mortality DRGs: Observed Rate by Municipality (per Thousand)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	7.4	16.9	5.8	14.4	14.0	6.5	5.2	3.2
Milton	2.8	7.5	1.6	13.0	9.2	3.5	3.6	3.8
Mississauga	2.4	2.1	2.1	1.7	1.6	1.4	1.3	1.6
Napanee	0.0	2.3	12.5	5.6	8.4	12.6	3.2	0.0
Navan	0.0	0.0	11.5	0.0	0.0	0.0	0.0	0.0
New Hamburg	—	—	—	—	—	0.0	8.7	8.7
Newmarket	1.8	1.8	3.6	1.9	3.8	3.4	5.2	6.4
Niagara Falls	7.0	1.8	2.7	4.2	5.1	4.5	6.2	1.9
North Bay	6.5	7.8	6.5	6.1	6.2	7.6	4.4	2.6
North York	5.2	1.7	2.5	2.6	2.7	3.3	4.3	5.3
Oakville	1.6	2.5	1.6	3.3	2.4	3.0	3.1	2.1
Orangeville	2.8	3.0	3.2	3.2	6.4	2.7	3.7	4.0
Orillia	11.1	6.9	7.3	5.8	12.4	7.7	5.7	9.0
Oshawa	1.8	2.8	2.8	5.1	3.9	3.5	2.4	1.2
Ottawa	3.9	4.3	3.1	2.7	3.5	2.3	2.7	3.6
Owen Sound	2.6	2.7	3.2	2.1	2.0	5.1	2.1	5.4
Paris	5.7	0.0	6.0	10.4	6.8	2.7	11.2	2.8
Parry Sound	13.8	14.1	4.0	6.5	6.7	5.6	2.0	6.0
Pembroke	11.2	5.8	9.5	8.1	8.1	17.4	10.0	6.3
Penetanguishene	10.2	10.1	10.2	14.5	8.1	13.9	7.4	2.5
Perth	5.3	2.5	22.7	2.8	26.7	11.0	11.8	17.5
Petawawa	1.6	7.3	7.9	4.1	0.0	0.0	0.0	4.6
Peterborough	4.1	0.4	2.3	2.9	1.9	3.6	3.4	4.5
Pickering	1.6	2.7	1.1	1.2	2.3	1.9	1.7	2.3
Port Colborne	16.4	6.1	3.7	7.2	18.1	8.9	4.3	10.1
Port Hope	9.4	7.5	6.1	14.4	6.5	5.1	2.7	8.3
Port Perry	23.3	12.3	10.4	29.7	4.7	12.4	12.5	3.5
Port Stanley	11.9	11.9	0.0	0.0	0.0	0.0	0.0	0.0
Renfrew	8.4	11.3	3.3	0.0	18.0	16.6	5.5	7.3
Richmond Hill	4.8	5.8	1.9	0.9	2.1	2.5	3.7	1.9
Rockland	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.4
Russell	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0
Sarnia	5.4	8.8	6.6	4.3	8.1	1.5	4.7	2.6
Sault Ste. Marie	9.0	8.0	7.7	2.6	5.4	3.3	3.1	3.4
Scarborough	3.2	3.1	2.6	3.2	3.4	2.4	4.2	3.0
Simcoe	12.0	13.0	11.5	5.3	20.8	13.0	9.8	24.7
Sioux Lookout	0.0	4.8	5.7	0.0	0.0	10.1	17.1	0.0
Smiths Falls	15.3	6.5	6.8	7.0	17.4	4.2	8.6	5.1
St. Catharine	6.4	4.9	6.7	3.2	4.6	4.1	2.3	4.5
St. Mary's	3.9	23.5	0.0	11.2	3.8	4.6	0.0	4.4
St. Thomas	7.5	9.4	5.9	4.3	3.5	9.0	1.6	3.5
Stouffville	5.2	0.0	5.4	5.8	24.5	2.5	3.1	13.4
Stratford	1.1	2.1	2.2	2.4	1.1	3.7	6.0	2.4
Strathroy	8.0	2.1	8.8	8.4	14.8	5.4	5.5	4.0
Sturgeon	—	—	—	—	0.0	0.0	11.0	3.4
Sudbury	6.6	4.0	7.3	6.4	7.0	6.1	3.6	3.8
Thornhill	2.0	5.4	2.4	2.5	0.6	0.5	2.2	2.5
Thunder Bay	4.7	2.9	3.8	5.2	3.8	2.2	5.6	3.1
Tillsonburg	16.5	9.6	6.8	14.9	17.7	8.5	8.3	1.9
Timmins	4.0	3.5	2.3	1.6	6.3	4.9	2.5	2.5
Toronto	3.4	3.7	3.8	3.3	2.5	3.1	3.9	3.2
Trenton	1.3	3.0	0.0	4.4	5.3	1.4	5.9	10.3
Uxbridge	5.4	13.7	2.9	3.1	6.5	2.9	6.1	3.4
Val Caron	4.7	4.1	0.0	4.8	9.7	4.1	4.0	4.7
Wallaceburg	6.5	11.4	5.3	9.8	6.2	9.8	5.6	6.0
Wasaga Beach	—	—	—	—	—	—	0.0	0.0
Welland	5.3	7.2	7.9	6.5	4.9	2.9	4.6	6.3
Weston	4.4	3.2	2.2	2.4	2.0	1.0	3.3	5.0
Whitby	3.3	1.2	1.8	1.3	3.4	2.1	2.3	1.5
Willowdale	7.8	5.7	2.7	5.5	3.7	4.0	5.6	3.7
Windsor	3.8	4.8	3.3	2.8	5.6	3.3	3.1	3.0
Woodbridge	5.1	1.8	2.5	0.7	1.9	2.0	0.5	0.5
Woodstock	6.0	5.5	10.0	3.5	3.7	4.6	3.5	6.9
Rural	6.0	5.5	5.3	5.2	5.3	4.6	4.8	5.1
Other	5.0	4.7	3.0	3.9	4.8	3.3	4.0	3.0
<b>Ontario Average</b>	<b>4.6</b>	<b>4.3</b>	<b>4.1</b>	<b>4.1</b>	<b>4.2</b>	<b>3.6</b>	<b>3.8</b>	<b>3.6</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Decubitus Ulcer: Observed Rate by Municipality (per Thousand)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	0.0	11.6	4.1	0.0	4.0	0.0	3.8	0.0
Ajax	4.6	3.8	8.9	4.8	6.0	11.2	6.8	11.1
Alliston	4.5	4.5	2.2	4.7	4.5	15.1	7.3	4.6
Amherstburg	7.3	1.9	3.6	3.5	9.3	6.2	2.4	7.7
Arnprior	4.4	4.3	1.9	4.0	2.1	2.0	2.3	10.5
Aurora	4.6	4.6	12.3	4.4	7.3	13.1	12.7	2.8
Aylmer West	2.8	16.4	13.3	8.3	18.9	7.8	2.6	11.1
Barrie	7.7	5.0	5.2	2.8	5.6	6.0	3.2	6.0
Belleville	2.4	3.0	4.9	3.3	4.3	4.0	5.4	4.2
Bolton	3.1	12.4	5.8	2.6	2.3	0.0	5.0	2.6
Bowmanville	9.4	7.5	7.3	12.4	10.3	17.3	10.8	12.9
Bracebridge	6.5	4.5	6.0	10.1	6.7	14.3	6.0	5.4
Bradford	7.7	7.6	5.3	8.4	8.3	7.4	9.6	11.8
Brampton	3.5	2.1	3.3	3.6	5.2	6.0	4.7	5.1
Brantford	2.6	4.3	6.2	5.7	5.6	8.6	5.5	4.8
Brockville	4.3	2.5	2.7	7.6	2.2	0.0	7.0	4.3
Burlington	3.7	5.6	7.0	9.8	12.9	10.2	5.7	6.2
Caledon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Caledonia	9.1	4.0	4.0	11.8	8.4	13.1	0.0	0.0
Cambridge	5.4	8.2	7.3	9.4	7.5	4.5	3.7	5.0
Carleton Place	2.7	4.7	4.3	17.1	9.8	22.0	16.8	13.0
Chatham	1.9	3.1	4.9	6.2	7.7	19.4	9.8	7.5
Cobourg	1.0	1.2	4.1	5.7	7.9	10.9	24.9	14.4
Collingwood	3.2	4.9	1.6	1.4	1.5	7.4	1.4	1.5
Concord	0.0	0.0	0.0	0.0	4.3	11.3	0.0	12.9
Cornwall	4.2	1.1	3.5	4.0	6.5	2.9	2.4	5.0
Cumberland	0.0	0.0	17.9	14.9	20.0	12.2	0.0	22.2
Delhi	3.5	17.0	0.0	3.9	3.6	3.8	10.9	11.2
Downsview	6.2	5.3	5.7	10.3	16.7	23.2	14.4	16.9
Dryden	0.0	6.5	3.3	3.0	4.9	2.8	8.5	16.9
Dunnville	5.4	7.1	13.4	5.6	2.8	8.2	2.9	0.0
East Gwillimbury	0.0	0.0	6.7	5.6	29.2	5.4	11.4	11.2
Elliot Lake	3.9	5.9	6.2	5.3	7.4	12.8	5.1	8.6
Elmira	0.0	11.5	16.1	5.5	0.0	0.0	5.2	0.0
Espanola	9.3	7.9	17.0	12.9	3.8	16.9	13.0	4.3
Essex	5.5	3.1	0.0	5.5	0.0	12.7	5.5	0.0
Etobicoke	7.4	8.4	8.9	8.0	11.6	16.1	9.8	10.7
Fergus	7.6	2.9	0.0	0.0	0.0	2.6	6.9	2.5
Fort Erie	0.0	6.9	8.0	17.0	17.7	18.3	13.9	5.2
Fort Frances	14.2	5.9	2.7	7.7	9.7	7.3	3.0	6.8
Gananoque	0.0	11.6	7.9	13.6	0.0	9.0	14.7	4.6
Garson	0.0	0.0	0.0	13.2	0.0	10.1	15.7	23.8
Georgetown	6.8	8.5	12.0	1.5	9.1	4.7	4.3	4.6
Goderich	2.9	3.0	5.9	12.7	3.2	4.7	1.8	5.1
Gravenhurst	3.5	0.0	3.1	3.1	4.9	5.0	7.8	8.9
Greely	0.0	0.0	15.4	13.5	0.0	0.0	12.5	13.0
Grimsby	13.6	7.3	2.5	12.0	4.7	12.9	14.8	4.3
Guelph	3.3	4.0	6.6	3.4	6.3	6.9	6.7	4.5
Hamilton	10.0	9.4	11.8	12.8	10.7	10.6	11.4	9.2
Hanmer	6.5	2.8	0.0	8.8	0.0	3.0	6.8	3.1
Hanover	0.0	5.0	3.4	3.3	1.8	3.6	2.1	2.0
Hawkesbury	7.5	8.8	7.3	13.3	11.7	4.2	2.2	7.3
Huntsville	0.0	2.3	2.6	2.8	2.9	5.4	2.8	2.8
Ingersoll	7.6	0.0	2.0	4.9	4.7	16.7	12.9	11.4
Innisfil	—	—	—	14.2	4.2	10.0	9.0	2.1
Kapuskasing	1.6	1.9	1.7	1.8	1.8	3.5	10.5	5.7
Kenora	11.8	0.0	4.1	4.3	2.1	0.0	7.3	10.0
Keswick	0.0	6.2	6.6	9.8	13.0	6.3	10.8	10.5
Kincardine	1.9	7.4	3.6	0.0	1.9	2.0	8.1	6.1
King City	0.0	6.6	0.0	0.0	6.0	37.0	6.4	6.6
Kingston	3.2	3.4	4.6	4.3	9.0	7.4	7.2	10.9
Kingsville	2.3	0.0	2.8	10.8	16.4	9.1	0.0	5.8
Kirkland Lake	3.8	2.0	2.2	7.5	3.3	10.9	9.7	4.1
Kitchener	4.3	3.6	6.3	5.2	7.3	7.9	5.4	4.3
Leamington	0.0	4.0	2.6	1.4	11.5	12.3	2.5	12.2
Lindsay	3.1	4.7	3.7	0.0	0.8	3.6	3.5	3.5
Listowel	2.8	0.0	2.6	3.0	0.0	5.7	5.1	0.0
Lively	0.0	0.0	0.0	0.0	8.6	4.5	5.0	11.3
London	3.9	5.1	5.2	5.3	10.7	21.8	12.4	10.1
Manotick	0.0	7.2	0.0	18.7	0.0	0.0	0.0	12.0
Maple	0.0	0.0	5.3	4.5	5.8	11.7	10.8	4.7
Markham	6.3	7.3	9.0	5.0	6.0	13.1	9.5	9.7
Meaford	4.1	6.2	2.4	4.7	7.1	3.2	0.0	2.8

**Decubitus Ulcer: Observed Rate by Municipality (per Thousand)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	1.3	0.0	4.1	1.4	0.0	10.9	6.4	7.1
Milton	5.5	8.0	5.4	5.3	6.5	12.6	8.9	2.6
Mississauga	5.3	3.3	6.9	4.8	10.2	11.4	6.9	7.5
Napanee	7.7	0.0	3.8	1.9	1.9	10.2	11.5	14.5
Navan	0.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0
New Hamburg	—	—	—	—	—	15.9	0.0	0.0
Newmarket	1.6	2.3	3.9	5.2	5.5	8.9	11.1	4.7
Niagara Falls	3.6	11.7	14.6	22.3	49.1	22.7	6.6	7.4
North Bay	1.6	1.0	2.4	1.4	4.7	7.4	10.0	4.9
North York	3.7	8.3	8.3	6.0	8.6	10.4	12.9	6.8
Oakville	10.4	5.3	5.9	4.4	4.4	5.6	7.6	6.8
Orangeville	5.5	3.5	1.2	3.8	2.4	5.9	3.2	4.5
Orillia	2.3	6.8	12.9	12.6	10.4	9.2	4.0	7.2
Oshawa	1.6	7.4	8.0	13.3	10.8	19.0	12.7	17.9
Ottawa	2.9	5.5	6.7	6.5	8.6	14.6	9.7	7.8
Owen Sound	0.7	0.7	1.5	3.2	4.5	3.5	3.5	1.0
Paris	2.7	0.0	0.0	7.6	3.2	2.9	0.0	3.0
Parry Sound	3.1	0.0	1.6	3.0	16.5	19.2	6.5	1.5
Pembroke	2.1	1.5	2.3	4.1	2.4	4.5	5.3	6.9
Penetanguishene	0.0	5.1	7.5	0.0	0.0	4.6	14.4	7.8
Perth	3.6	1.8	1.6	1.9	7.0	5.9	0.0	2.0
Petawawa	0.0	0.0	17.5	4.3	4.1	3.7	3.7	10.8
Peterborough	4.1	6.0	3.9	12.0	7.5	6.0	2.9	7.0
Pickering	3.8	5.4	3.4	5.7	8.7	9.7	14.1	11.2
Port Colborne	5.9	2.3	5.2	11.5	9.2	7.1	4.0	12.6
Port Hope	3.5	4.1	12.2	5.0	2.6	23.3	23.0	20.7
Port Perry	7.7	2.9	8.5	13.8	17.5	29.0	22.2	14.2
Port Stanley	0.0	23.8	35.3	0.0	7.6	10.4	13.5	30.9
Renfrew	9.0	5.1	12.5	10.4	7.0	8.9	15.4	3.4
Richmond Hill	4.4	2.9	4.0	6.3	6.5	14.2	9.9	7.4
Rockland	9.5	0.0	0.0	0.0	5.1	10.2	0.0	15.6
Russell	0.0	0.0	0.0	10.1	13.2	0.0	0.0	15.6
Sarnia	3.2	3.0	2.7	5.0	5.0	11.3	2.2	7.4
Sault Ste. Marie	4.5	6.9	3.5	5.4	5.8	4.6	3.9	5.6
Scarborough	4.6	7.8	7.4	8.2	8.3	11.8	10.4	10.7
Simcoe	1.2	1.4	3.9	6.8	5.1	9.7	15.3	22.6
Sioux Lookout	0.0	10.5	0.0	5.8	18.3	14.6	0.0	0.0
Smiths Falls	1.2	5.1	4.3	7.8	4.5	6.2	4.9	8.3
St. Catharine	4.4	4.9	6.2	9.6	15.5	14.5	9.1	6.4
St. Mary's	3.0	3.0	11.8	7.0	5.4	3.1	6.9	0.0
St. Thomas	3.9	8.9	17.9	10.1	13.1	28.4	15.5	17.1
Stouffville	8.8	9.6	5.7	9.3	8.0	14.5	10.3	2.7
Stratford	1.1	3.3	3.7	0.0	4.4	4.3	4.0	2.1
Strathroy	1.8	0.0	3.1	1.9	5.6	9.5	9.8	1.9
Sturgeon	—	—	—	—	0.0	7.2	2.9	2.6
Sudbury	4.1	5.1	3.8	5.3	4.2	9.4	8.5	10.9
Thornhill	3.3	5.6	4.6	4.2	8.2	9.8	9.7	11.3
Thunder Bay	4.8	4.0	5.1	4.5	4.9	2.4	3.2	4.7
Tillsonburg	4.3	2.6	6.0	6.3	11.6	6.2	7.4	4.1
Timmins	2.1	3.4	8.4	4.1	0.9	4.2	7.7	6.2
Toronto	6.0	7.2	7.4	9.4	14.8	17.5	14.8	16.9
Trenton	0.0	1.3	8.1	1.3	1.4	2.9	1.4	4.2
Uxbridge	12.5	19.3	11.6	5.4	15.2	7.1	3.2	6.3
Val Caron	4.8	0.0	0.0	5.0	0.0	14.4	8.6	25.9
Wallaceburg	6.8	2.8	4.9	6.4	5.0	20.7	25.9	11.1
Wasaga Beach	—	—	—	—	—	—	0.0	6.8
Welland	6.3	5.9	9.1	13.9	14.0	11.8	12.3	7.8
Weston	9.3	8.0	12.8	12.3	16.5	19.1	9.8	14.2
Whitby	2.7	6.7	9.4	12.7	11.9	16.1	10.9	9.9
Willowdale	5.7	7.6	7.4	10.1	9.3	14.3	11.1	12.2
Windsor	2.5	5.2	7.7	5.8	8.3	8.9	7.7	7.3
Woodbridge	5.0	3.0	5.5	7.1	9.6	19.2	14.2	8.9
Woodstock	2.9	2.8	3.5	1.5	1.5	7.4	4.1	4.0
Rural	3.3	3.5	4.2	4.6	5.6	8.2	6.8	6.5
Other	4.8	3.6	4.8	5.7	5.1	9.4	6.2	4.4
<b>Ontario Average</b>	<b>4.4</b>	<b>5.1</b>	<b>6.1</b>	<b>6.8</b>	<b>8.6</b>	<b>11.1</b>	<b>8.5</b>	<b>8.5</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Failure to Rescue: Observed Rate by Municipality (per Thousand)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	272.7	166.7	307.7	263.2	190.5	285.7	153.8	0.0
Ajax	250.0	254.9	171.9	178.1	211.3	197.8	210.5	164.6
Alliston	350.0	208.3	225.0	187.5	222.2	166.7	80.0	50.0
Amherstburg	125.0	225.0	178.6	200.0	102.6	206.9	100.0	58.8
Arnprior	0.0	187.5	—	133.3	66.7	222.2	133.3	83.3
Aurora	90.9	148.9	166.7	120.0	260.0	133.3	145.8	142.9
Aylmer West	230.8	235.3	333.3	130.4	206.9	166.7	160.0	206.9
Barrie	154.6	168.3	267.2	257.4	203.7	113.6	149.5	161.3
Belleville	220.6	158.7	293.3	192.3	169.2	158.7	319.1	207.8
Bolton	200.0	272.7	250.0	280.0	162.2	153.8	172.4	346.2
Bowmanville	109.6	137.0	202.4	109.8	133.3	158.5	120.9	144.6
Bracebridge	176.5	160.0	304.3	208.3	238.1	107.1	125.0	285.7
Bradford	194.4	228.6	193.5	210.5	87.0	250.0	178.6	162.2
Brampton	246.8	239.6	242.9	234.3	191.5	176.3	200.0	172.3
Brantford	135.2	144.6	127.4	96.4	145.2	171.8	167.9	212.6
Brockville	139.5	66.7	120.0	115.4	200.0	80.0	76.9	90.9
Burlington	234.1	240.4	219.6	158.1	206.5	190.7	201.9	183.1
Caledon	—	—	—	—	—	—	200.0	—
Caledonia	200.0	181.8	352.9	157.9	111.1	0.0	285.7	217.4
Cambridge	139.9	189.0	192.5	212.9	202.1	215.6	206.9	150.3
Carleton Place	0.0	153.8	136.4	166.7	100.0	238.1	43.5	47.6
Chatham	72.9	163.6	174.4	195.7	146.6	224.7	253.0	234.7
Cobourg	317.1	181.8	243.2	333.3	148.1	71.4	186.0	370.4
Collingwood	142.9	115.4	87.0	333.3	172.4	200.0	235.3	227.3
Concord	200.0	0.0	100.0	363.6	166.7	176.5	200.0	103.4
Cornwall	198.0	209.3	135.8	109.9	170.2	103.4	142.9	127.0
Cumberland	—	—	0.0	125.0	181.8	—	0.0	—
Delhi	83.3	157.9	263.2	166.7	90.9	214.3	0.0	250.0
Downsview	228.7	189.7	236.0	242.8	262.9	329.2	314.4	269.4
Dryden	166.7	47.6	0.0	0.0	0.0	500.0	111.1	285.7
Dunnville	58.8	157.9	269.2	222.2	142.9	333.3	384.6	187.5
East Gwillimbury	400.0	200.0	312.5	100.0	100.0	333.3	272.7	200.0
Elliot Lake	162.2	285.7	153.8	181.8	162.2	212.1	178.6	173.9
Elmira	76.9	117.6	100.0	266.7	285.7	272.7	181.8	300.0
Espanola	100.0	90.9	0.0	100.0	133.3	210.5	83.3	0.0
Essex	333.3	173.9	190.5	227.3	125.0	250.0	555.6	133.3
Etobicoke	238.0	261.0	252.2	210.0	205.9	244.4	212.6	219.7
Fergus	157.9	71.4	66.7	238.1	153.8	100.0	55.6	235.3
Fort Erie	250.0	218.8	121.2	66.7	212.8	259.3	250.0	125.0
Fort Frances	222.2	181.8	120.0	0.0	200.0	200.0	222.2	181.8
Gananoque	384.6	176.5	333.3	250.0	300.0	200.0	333.3	200.0
Garson	166.7	250.0	—	142.9	416.7	90.9	272.7	181.8
Georgetown	200.0	114.3	181.8	243.9	279.1	142.9	210.5	166.7
Goderich	111.1	26.3	133.3	0.0	87.0	37.0	240.0	66.7
Gravenhurst	111.1	133.3	210.5	227.3	74.1	150.0	416.7	117.6
Greely	—	—	0.0	272.7	—	181.8	333.3	—
Grimsby	225.8	153.8	296.3	52.6	217.4	90.9	300.0	217.4
Guelph	181.0	239.7	161.3	151.3	200.0	236.4	218.2	187.0
Hamilton	262.3	252.7	224.1	238.1	202.6	196.0	210.7	156.3
Hanmer	157.9	384.6	0.0	294.1	200.0	136.4	400.0	90.9
Hanover	157.9	100.0	157.9	83.3	142.9	0.0	66.7	62.5
Hawkesbury	88.2	100.0	175.0	257.1	147.1	150.0	266.7	222.2
Huntsville	200.0	45.5	280.0	250.0	136.4	0.0	357.1	90.9
Ingersoll	120.0	150.0	142.9	125.0	137.9	66.7	133.3	111.1
Innisfil	—	—	—	0.0	58.8	296.3	250.0	230.8
Kapuskasing	58.8	375.0	117.6	153.8	0.0	333.3	285.7	153.8
Kenora	0.0	217.4	375.0	125.0	111.1	0.0	66.7	214.3
Keswick	147.1	250.0	150.0	156.3	238.1	233.3	290.3	289.5
Kincardine	133.3	200.0	142.9	307.7	137.9	0.0	95.2	285.7
King City	111.1	166.7	71.4	62.5	307.7	100.0	0.0	333.3
Kingston	245.8	269.6	244.1	220.8	222.2	263.8	247.6	209.2
Kingsville	142.9	83.3	117.6	66.7	166.7	0.0	300.0	47.6
Kirkland Lake	50.0	192.3	210.5	291.7	151.5	96.8	85.7	76.9
Kitchener	227.8	202.8	230.8	201.3	192.3	252.9	225.6	227.0
Leamington	93.0	173.9	153.8	138.9	186.0	214.3	95.2	107.1
Lindsay	127.7	204.5	111.1	134.3	88.6	189.7	164.4	111.1
Listowel	333.3	166.7	187.5	277.8	200.0	222.2	235.3	222.2
Lively	375.0	285.7	333.3	300.0	357.1	222.2	222.2	272.7
London	270.6	237.9	229.6	214.0	192.1	231.0	221.7	221.2
Manotick	—	714.3	312.5	181.8	100.0	333.3	90.9	—
Maple	428.6	136.4	47.6	195.1	85.7	292.7	176.5	120.0
Markham	300.9	245.6	250.0	258.7	215.7	241.9	279.2	337.9
Meaford	0.0	0.0	71.4	285.7	0.0	200.0	0.0	—

**Failure to Rescue: Observed Rate by Municipality (per Thousand)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	148.1	33.3	111.1	200.0	32.3	105.3	187.5	222.2
Milton	272.7	242.4	136.4	176.5	166.7	300.0	187.5	120.0
Mississauga	227.7	205.2	222.5	196.8	216.5	239.8	246.7	233.7
Napanee	192.3	350.0	150.0	181.8	230.8	166.7	150.0	388.9
Navan	—	—	333.3	125.0	—	100.0	0.0	—
New Hamburg	—	—	—	—	—	—	333.3	333.3
Newmarket	244.4	178.9	182.8	202.0	137.5	147.4	258.1	188.9
Niagara Falls	227.0	195.3	194.1	200.0	216.0	218.5	218.2	294.6
North Bay	197.4	246.6	177.2	192.3	236.0	154.9	223.3	171.1
North York	236.4	246.6	262.3	209.7	234.0	229.0	252.0	195.1
Oakville	223.5	201.2	210.1	165.7	178.4	198.8	131.3	150.6
Orangeville	120.0	140.0	363.6	181.8	147.1	191.5	200.0	98.0
Orillia	172.4	140.6	152.2	107.8	172.8	173.9	175.4	155.8
Oshawa	261.8	228.4	233.6	249.1	171.5	209.2	209.6	237.8
Ottawa	228.5	203.0	239.0	170.0	171.5	196.8	210.3	144.3
Owen Sound	181.8	220.0	225.0	137.9	160.0	250.0	138.9	218.8
Paris	125.0	190.5	300.0	0.0	227.3	52.6	285.7	58.8
Parry Sound	217.4	38.5	83.3	153.8	106.4	162.2	37.0	142.9
Pembroke	311.5	214.3	185.2	152.5	135.6	54.5	250.0	113.2
Penetanguishene	45.5	66.7	111.1	90.9	222.2	55.6	43.5	190.5
Perth	181.8	214.3	100.0	107.1	187.5	238.1	230.8	250.0
Petawawa	333.3	200.0	571.4	111.1	200.0	250.0	125.0	200.0
Peterborough	177.3	204.7	240.9	175.4	165.7	170.7	313.7	258.4
Pickering	202.7	200.0	202.2	131.3	173.6	127.5	257.7	266.7
Port Colborne	176.5	238.1	323.5	200.0	212.1	162.2	166.7	219.5
Port Hope	333.3	200.0	133.3	90.9	416.7	210.5	250.0	200.0
Port Perry	176.5	111.1	250.0	120.0	176.5	263.2	58.8	312.5
Port Stanley	—	—	—	—	285.7	0.0	0.0	—
Renfrew	210.5	264.7	33.3	305.6	142.9	103.4	200.0	312.5
Richmond Hill	250.0	183.2	180.5	211.5	154.3	169.7	205.3	218.5
Rockland	277.8	187.5	66.7	0.0	142.9	190.5	187.5	0.0
Russell	—	0.0	0.0	—	—	—	0.0	—
Sarnia	228.3	194.4	212.1	303.2	226.2	269.8	211.9	211.4
Sault Ste. Marie	216.6	242.3	265.2	127.3	143.5	240.0	153.3	235.7
Scarborough	228.7	250.5	226.1	217.8	245.2	219.2	226.4	193.1
Simcoe	191.5	220.3	163.9	256.4	244.4	129.0	250.0	166.7
Sioux Lookout	0.0	—	—	125.0	166.7	—	142.9	—
Smiths Falls	170.7	235.3	148.1	333.3	212.1	135.1	307.7	171.4
St. Catharine	206.3	186.8	240.9	162.9	210.3	283.8	223.7	183.0
St. Mary's	0.0	125.0	153.8	111.1	150.0	83.3	0.0	166.7
St. Thomas	207.3	176.0	217.4	151.5	169.8	148.9	188.2	246.8
Stouffville	300.0	266.7	421.1	190.5	333.3	200.0	230.8	260.9
Stratford	173.9	162.8	80.0	146.3	155.2	236.8	163.3	105.3
Strathroy	150.0	111.1	320.0	80.0	205.9	210.5	173.9	190.5
Sturgeon	—	—	—	—	—	45.5	100.0	—
Sudbury	248.2	203.0	175.0	264.7	217.6	247.2	189.7	244.4
Thornhill	178.6	201.8	230.2	219.7	211.7	190.1	272.7	146.0
Thunder Bay	204.3	244.4	189.6	203.2	186.8	180.4	194.9	209.4
Tillsonburg	87.0	130.4	350.0	241.4	136.4	200.0	153.8	148.1
Timmins	192.3	133.3	158.9	122.2	168.4	232.9	170.2	190.0
Toronto	233.5	221.0	244.9	223.1	208.5	226.5	212.2	198.4
Trenton	81.6	194.4	186.0	137.9	264.7	135.1	108.1	93.0
Uxbridge	200.0	238.1	130.4	200.0	200.0	90.9	157.9	83.3
Val Caron	285.7	166.7	285.7	333.3	117.6	133.3	125.0	153.8
Wallaceburg	225.8	90.9	96.8	194.4	196.1	222.2	350.0	166.7
Wasaga Beach	—	—	—	—	—	—	—	500.0
Welland	190.5	170.4	192.6	269.6	202.1	208.8	263.6	180.2
Weston	229.4	248.9	247.6	227.3	184.7	233.0	280.7	245.0
Whitby	243.6	211.3	285.7	212.8	137.6	232.1	193.3	220.3
Willowdale	257.0	219.7	255.2	246.4	208.6	171.3	253.9	210.7
Windsor	211.2	193.7	204.7	211.6	224.6	180.5	213.8	175.7
Woodbridge	268.7	184.2	230.8	220.9	111.1	210.5	250.0	250.0
Woodstock	164.6	114.8	85.1	114.3	101.4	109.6	153.8	225.8
Rural	180.2	190.5	172.7	160.6	156.9	180.8	182.1	191.7
Other	203.9	209.4	235.4	143.7	158.2	203.3	166.2	169.9
<b>Ontario Average</b>	<b>214.2</b>	<b>208.9</b>	<b>213.1</b>	<b>194.5</b>	<b>188.9</b>	<b>203.9</b>	<b>209.2</b>	<b>196.7</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Foreign Body Left During Procedure: Observed Rate by Municipality (per Thousand)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	0.0	1.2	0.0	0.0	1.3	0.0	0.0	0.0
Ajax	0.2	0.0	0.0	0.0	0.4	0.0	0.2	0.2
Alliston	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0
Amherstburg	0.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0
Arnprior	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
Aurora	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0
Aylmer West	0.7	0.7	0.0	0.0	0.0	0.8	0.0	0.0
Barrie	0.1	0.0	0.2	0.0	0.0	0.1	0.1	0.1
Belleville	0.2	0.0	0.0	0.2	0.0	0.4	0.4	0.2
Bolton	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Bowmanville	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
Bracebridge	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bradford	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Brampton	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0
Brantford	0.2	0.0	0.3	0.0	0.1	0.0	0.0	0.0
Brockville	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Burlington	0.2	0.0	0.3	0.0	0.0	0.2	0.2	0.2
Caledon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Caledonia	2.7	0.0	0.0	0.0	1.1	0.0	1.0	0.0
Cambridge	0.2	0.1	0.0	0.1	0.4	0.0	0.0	0.2
Carleton Place	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chatham	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.2
Cobourg	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
Collingwood	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Concord	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0
Cornwall	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0
Cumberland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delhi	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
Downsview	0.0	0.0	0.0	0.3	0.1	0.2	0.0	0.0
Dryden	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dunnville	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.8
East Gwillimbury	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0
Elliot Lake	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
Elmira	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Espanola	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Essex	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Etobicoke	0.4	0.0	0.0	0.1	0.0	0.1	0.1	0.1
Fergus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fort Erie	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
Fort Frances	0.0	0.7	0.6	0.0	0.6	0.0	0.7	0.0
Gananoque	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0
Garson	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0
Georgetown	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0
Goderich	0.0	0.5	0.0	0.6	0.0	0.0	0.0	0.0
Gravenhurst	0.0	1.1	0.0	0.0	0.8	0.0	0.8	0.0
Greely	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grimsby	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Guelph	0.0	0.1	0.1	0.2	0.0	0.0	0.3	0.1
Hamilton	0.0	0.2	0.1	0.1	0.2	0.1	0.1	0.2
Hanmer	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Hanover	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Hawkesbury	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Huntsville	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Ingersoll	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
Innisfil	—	—	—	0.0	0.0	1.1	0.6	0.0
Kapuskasing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kenora	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.7
Keswick	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kincardine	1.4	0.0	0.0	0.0	0.8	0.0	0.0	0.0
King City	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kingston	0.1	0.3	0.0	0.0	0.0	0.1	0.1	0.2
Kingsville	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0
Kirkland Lake	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Kitchener	0.1	0.1	0.1	0.1	0.3	0.1	0.0	0.1
Leamington	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Lindsay	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Listowel	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
Lively	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
London	0.2	0.2	0.0	0.0	0.2	0.3	0.3	0.1
Manotick	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0
Maple	0.0	0.0	0.6	0.0	0.5	0.0	0.0	0.0
Markham	0.0	0.0	0.1	0.1	0.4	0.5	0.5	0.1
Meaford	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Foreign Body Left During Procedure: Observed Rate by Municipality (per Thousand)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.4
Milton	0.0	0.5	0.0	0.0	0.0	0.4	0.0	0.3
Mississauga	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Napanee	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Navan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
New Hamburg	0.0	—	—	—	—	0.0	0.0	1.5
Newmarket	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.0
Niagara Falls	0.1	0.1	0.1	0.2	0.0	0.1	0.4	0.0
North Bay	0.3	0.0	0.0	0.1	0.1	0.0	0.3	0.2
North York	0.0	0.0	0.2	0.0	0.2	0.4	0.0	0.0
Oakville	0.3	0.0	0.2	0.3	0.1	0.1	0.1	0.0
Orangeville	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Orillia	0.2	0.5	0.2	0.2	0.0	0.2	0.6	0.2
Oshawa	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.2
Ottawa	0.2	0.0	0.1	0.1	0.1	0.2	0.2	0.0
Owen Sound	0.0	0.5	0.3	0.3	0.3	0.0	0.3	0.0
Paris	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Parry Sound	1.1	0.0	0.0	0.5	0.0	0.0	0.0	0.0
Pembroke	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Penetanguishene	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
Perth	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petawawa	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Peterborough	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.1
Pickering	0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.0
Port Colborne	0.0	0.4	1.3	0.0	0.0	0.5	0.5	0.0
Port Hope	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Port Perry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Port Stanley	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renfrew	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Richmond Hill	0.3	0.2	0.0	0.1	0.1	0.0	0.0	0.2
Rockland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Russell	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sarnia	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Sault Ste. Marie	0.2	0.2	0.0	0.3	0.1	0.0	0.0	0.0
Scarborough	0.2	0.1	0.2	0.0	0.2	0.1	0.1	0.1
Simcoe	0.0	0.4	0.4	0.0	0.0	0.4	0.4	0.0
Sioux Lookout	0.0	1.6	0.0	0.0	0.0	1.7	0.0	0.0
Smiths Falls	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St. Catharine	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0
St. Mary's	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
St. Thomas	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
Stouffville	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
Stratford	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0
Strathroy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sturgeon	—	—	—	—	0.0	0.8	0.0	0.8
Sudbury	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.0
Thornhill	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.0
Thunder Bay	0.2	0.2	0.0	0.1	0.1	0.1	0.0	0.2
Tillsonburg	0.0	0.0	0.4	0.0	0.5	0.0	0.0	0.0
Timmins	0.0	0.5	0.0	0.2	0.2	0.2	0.3	0.3
Toronto	0.1	0.1	0.2	0.1	0.0	0.2	0.1	0.0
Trenton	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.4
Uxbridge	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0
Val Caron	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wallaceburg	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.0
Wasaga Beach	—	—	—	—	—	—	0.0	0.0
Welland	0.4	0.0	0.2	0.5	0.0	0.4	0.2	0.4
Weston	0.1	0.5	0.1	0.0	0.0	0.1	0.0	0.1
Whitby	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Willowdale	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.1
Windsor	0.1	0.2	0.2	0.3	0.1	0.2	0.0	0.1
Woodbridge	0.0	0.0	0.3	0.3	0.2	0.0	0.2	0.2
Woodstock	0.2	0.0	0.2	0.0	0.5	0.0	0.4	0.0
Rural	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Other	0.1	0.0	0.0	0.1	0.2	0.1	0.1	0.0
<b>Ontario Average</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )



## Postoperative Hip Fracture: Observed Rate by Municipality (per Thousand)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	0.0	0.0	0.0	0.0	0.0	—	—	—
Ajax	0.0	0.0	0.0	1.0	0.0	—	—	—
Alliston	0.0	0.0	0.0	0.0	3.8	—	—	—
Amherstburg	0.0	0.0	0.0	0.0	0.0	—	—	—
Arnprior	0.0	0.0	0.0	0.0	0.0	—	—	—
Aurora	0.0	0.0	0.0	0.0	0.0	—	—	—
Aylmer West	0.0	0.0	0.0	0.0	0.0	—	—	—
Barrie	0.7	0.0	0.6	0.0	0.6	—	—	—
Belleville	1.2	2.7	2.5	0.0	3.5	—	—	—
Bolton	0.0	0.0	0.0	0.0	0.0	—	—	—
Bowmanville	0.0	0.0	0.0	0.0	0.9	—	—	—
Bracebridge	12.7	0.0	0.0	0.0	0.0	—	—	—
Bradford	0.0	0.0	0.0	0.0	0.0	—	—	—
Brampton	0.0	0.2	0.2	0.2	0.5	—	—	—
Brantford	0.0	0.6	0.0	0.0	1.2	—	—	—
Brockville	0.0	0.0	0.0	0.0	0.0	—	—	—
Burlington	0.4	0.0	0.0	0.0	0.0	—	—	—
Caledon	0.0	0.0	0.0	0.0	0.0	—	—	—
Caledonia	0.0	0.0	0.0	0.0	0.0	—	—	—
Cambridge	1.2	0.0	0.0	0.0	0.5	—	—	—
Carleton Place	0.0	0.0	0.0	12.7	4.2	—	—	—
Chatham	2.3	0.0	0.0	0.0	0.0	—	—	—
Cobourg	0.0	2.5	0.0	0.0	0.0	—	—	—
Collingwood	0.0	3.0	0.0	0.0	0.0	—	—	—
Concord	0.0	0.0	0.0	0.0	0.0	—	—	—
Cornwall	0.0	0.8	0.8	0.0	0.0	—	—	—
Cumberland	0.0	22.2	0.0	0.0	0.0	—	—	—
Delhi	0.0	0.0	0.0	0.0	12.4	—	—	—
Downsview	0.4	0.0	1.2	0.4	1.3	—	—	—
Dryden	0.0	0.0	4.8	0.0	0.0	—	—	—
Dunnville	0.0	0.0	0.0	0.0	0.0	—	—	—
East Gwillimbury	0.0	0.0	0.0	0.0	0.0	—	—	—
Elliot Lake	2.9	0.0	2.7	0.0	0.0	—	—	—
Elmira	0.0	0.0	0.0	0.0	0.0	—	—	—
Espanola	0.0	0.0	0.0	0.0	0.0	—	—	—
Essex	0.0	0.0	0.0	0.0	0.0	—	—	—
Etobicoke	0.4	0.6	0.2	0.9	1.0	—	—	—
Fergus	0.0	0.0	0.0	0.0	0.0	—	—	—
Fort Erie	0.0	0.0	0.0	0.0	0.0	—	—	—
Fort Frances	0.0	0.0	0.0	0.0	0.0	—	—	—
Gananoque	0.0	0.0	0.0	0.0	0.0	—	—	—
Garson	0.0	0.0	0.0	0.0	0.0	—	—	—
Georgetown	2.0	0.0	0.0	0.0	0.0	—	—	—
Goderich	0.0	4.0	0.0	0.0	0.0	—	—	—
Gravenhurst	0.0	0.0	0.0	0.0	0.0	—	—	—
Greely	0.0	0.0	0.0	0.0	0.0	—	—	—
Grimsby	0.0	0.0	0.0	3.4	3.1	—	—	—
Guelph	0.0	1.1	1.1	0.5	0.6	—	—	—
Hamilton	0.1	1.2	0.8	1.2	1.3	—	—	—
Hanmer	0.0	0.0	0.0	0.0	0.0	—	—	—
Hanover	4.2	0.0	0.0	0.0	0.0	—	—	—
Hawkesbury	0.0	0.0	0.0	0.0	0.0	—	—	—
Huntsville	3.8	0.0	0.0	0.0	0.0	—	—	—
Ingersoll	0.0	0.0	0.0	0.0	4.6	—	—	—
Innisfil	—	—	—	0.0	0.0	—	—	—
Kapuskasing	0.0	0.0	0.0	0.0	3.4	—	—	—
Kenora	0.0	0.0	0.0	0.0	0.0	—	—	—
Keswick	0.0	0.0	0.0	0.0	0.0	—	—	—
Kincardine	0.0	0.0	0.0	0.0	0.0	—	—	—
King City	0.0	0.0	0.0	0.0	0.0	—	—	—
Kingston	0.0	1.2	0.0	0.6	0.5	—	—	—
Kingsville	0.0	0.0	0.0	0.0	0.0	—	—	—
Kirkland Lake	0.0	4.6	0.0	0.0	0.0	—	—	—
Kitchener	0.2	0.3	1.1	0.5	0.3	—	—	—
Leamington	0.0	0.0	0.0	2.3	0.0	—	—	—
Lindsay	1.5	0.0	1.6	0.0	0.0	—	—	—
Listowel	0.0	0.0	0.0	0.0	0.0	—	—	—
Lively	0.0	0.0	0.0	0.0	0.0	—	—	—
London	0.6	1.2	1.1	0.6	1.5	—	—	—
Manotick	0.0	9.3	0.0	0.0	0.0	—	—	—
Maple	0.0	0.0	0.0	0.0	0.0	—	—	—
Markham	0.0	2.5	0.0	1.1	2.1	—	—	—
Meaford	0.0	0.0	0.0	0.0	0.0	—	—	—

Postoperative Hip Fracture: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	0.0	0.0	0.0	0.0	2.6	—	—	—	
Milton	0.0	0.0	0.0	0.0	0.0	—	—	—	
Mississauga	0.6	0.0	0.3	0.3	0.9	—	—	—	
Napanee	0.0	0.0	0.0	0.0	0.0	—	—	—	
Navan	0.0	14.9	0.0	0.0	0.0	—	—	—	
New Hamburg	—	—	—	—	—	—	—	—	
Newmarket	0.0	1.1	0.0	1.0	1.0	—	—	—	
Niagara Falls	2.6	0.0	0.7	0.0	0.0	—	—	—	
North Bay	0.0	0.0	0.0	1.5	0.0	—	—	—	
North York	0.0	1.5	0.0	0.0	1.6	—	—	—	
Oakville	0.0	0.0	1.0	0.0	0.0	—	—	—	
Orangeville	0.0	0.0	0.0	0.0	0.0	—	—	—	
Orillia	0.0	2.4	0.0	0.0	0.0	—	—	—	
Oshawa	1.2	0.0	0.8	0.4	0.4	—	—	—	
Ottawa	3.0	3.2	2.7	2.6	2.6	—	—	—	
Owen Sound	0.0	0.0	0.0	0.0	0.0	—	—	—	
Paris	0.0	0.0	0.0	11.9	0.0	—	—	—	
Parry Sound	0.0	0.0	0.0	2.7	5.1	—	—	—	
Pembroke	0.0	0.0	0.0	0.0	0.0	—	—	—	
Penetanguishene	0.0	0.0	0.0	0.0	0.0	—	—	—	
Perth	0.0	0.0	0.0	0.0	4.4	—	—	—	
Petawawa	0.0	0.0	0.0	6.0	0.0	—	—	—	
Peterborough	3.1	0.6	1.9	0.6	1.2	—	—	—	
Pickering	0.0	0.0	1.7	0.9	0.0	—	—	—	
Port Colborne	0.0	0.0	2.5	2.5	2.8	—	—	—	
Port Hope	0.0	0.0	4.5	0.0	4.3	—	—	—	
Port Perry	0.0	0.0	0.0	0.0	13.0	—	—	—	
Port Stanley	0.0	0.0	0.0	0.0	47.6	—	—	—	
Renfrew	0.0	3.6	7.8	0.0	0.0	—	—	—	
Richmond Hill	0.0	0.0	0.7	0.0	0.6	—	—	—	
Rockland	5.6	0.0	0.0	0.0	7.1	—	—	—	
Russell	0.0	0.0	0.0	0.0	0.0	—	—	—	
Sarnia	0.0	0.7	0.0	0.0	1.4	—	—	—	
Sault Ste. Marie	0.5	1.1	0.6	0.5	0.6	—	—	—	
Scarborough	1.5	2.5	1.1	1.2	2.7	—	—	—	
Simcoe	0.0	0.0	2.1	0.0	0.0	—	—	—	
Sioux Lookout	0.0	0.0	0.0	0.0	0.0	—	—	—	
Smiths Falls	0.0	0.0	0.0	3.4	0.0	—	—	—	
St. Catharine	0.8	1.1	0.4	0.0	1.1	—	—	—	
St. Mary's	0.0	0.0	0.0	0.0	0.0	—	—	—	
St. Thomas	1.2	2.4	0.0	0.0	0.0	—	—	—	
Stouffville	3.4	3.5	0.0	0.0	0.0	—	—	—	
Stratford	2.2	0.0	0.0	2.1	0.0	—	—	—	
Strathroy	0.0	0.0	0.0	0.0	0.0	—	—	—	
Sturgeon	—	—	—	—	0.0	—	—	—	
Sudbury	1.0	0.5	0.5	0.0	1.2	—	—	—	
Thornhill	0.0	0.0	2.1	1.4	0.6	—	—	—	
Thunder Bay	1.4	0.7	1.2	1.2	1.3	—	—	—	
Tillsonburg	0.0	0.0	0.0	0.0	0.0	—	—	—	
Timmins	0.0	0.0	0.0	1.3	1.4	—	—	—	
Toronto	0.6	0.8	1.1	1.0	1.7	—	—	—	
Trenton	0.0	0.0	0.0	0.0	2.3	—	—	—	
Uxbridge	0.0	4.6	0.0	0.0	0.0	—	—	—	
Val Caron	0.0	0.0	0.0	0.0	0.0	—	—	—	
Wallaceburg	2.9	2.8	0.0	0.0	3.2	—	—	—	
Wasaga Beach	—	—	—	—	—	—	—	—	
Welland	1.0	2.0	0.0	1.0	2.1	—	—	—	
Weston	1.0	0.5	0.0	0.6	0.6	—	—	—	
Whitby	0.0	0.0	0.0	0.0	0.8	—	—	—	
Willowdale	2.3	0.3	2.2	3.0	2.1	—	—	—	
Windsor	0.8	0.8	1.0	0.0	0.7	—	—	—	
Woodbridge	0.0	2.7	0.0	0.0	1.0	—	—	—	
Woodstock	0.0	0.0	0.0	1.1	0.0	—	—	—	
Rural	0.6	0.5	0.3	0.5	0.5	—	—	—	
Other	0.3	0.5	0.3	0.3	0.8	—	—	—	
<b>Ontario Average</b>	<b>0.8</b>	<b>0.8</b>	<b>0.7</b>	<b>0.7</b>	<b>1.0</b>	<b>—</b>	<b>—</b>	<b>—</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Postoperative Hemorrhage or Hematoma: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	0.0	0.0	0.0	0.0	3.9		—	—	—
Ajax	2.6	0.7	2.0	4.1	0.7		—	—	—
Alliston	3.2	2.7	2.6	5.3	2.5		—	—	—
Amherstburg	0.0	1.7	0.0	0.0	1.8		—	—	—
Arnprior	0.0	3.1	0.0	3.2	3.1		—	—	—
Aurora	0.0	0.0	0.0	1.2	1.3		—	—	—
Aylmer West	2.4	2.1	0.0	0.0	2.5		—	—	—
Barrie	0.0	2.2	2.9	1.2	1.9		—	—	—
Belleville	1.5	0.0	3.1	1.5	1.5		—	—	—
Bolton	2.5	4.9	0.0	0.0	0.0		—	—	—
Bowmanville	0.7	1.3	1.4	2.0	1.3		—	—	—
Bracebridge	0.0	0.0	0.0	0.0	0.0		—	—	—
Bradford	0.0	4.6	2.3	2.2	0.0		—	—	—
Brampton	1.0	0.7	0.7	0.8	0.8		—	—	—
Brantford	0.4	0.8	1.2	1.7	1.5		—	—	—
Brockville	0.0	0.0	1.1	2.4	2.4		—	—	—
Burlington	0.3	0.3	0.0	0.8	2.2		—	—	—
Caledon	0.0	0.0	0.0	0.0	0.0		—	—	—
Caledonia	0.0	0.0	0.0	0.0	7.0		—	—	—
Cambridge	1.5	0.8	0.4	2.2	2.8		—	—	—
Carleton Place	0.0	0.0	0.0	0.0	2.7		—	—	—
Chatham	1.3	0.7	0.0	0.7	1.4		—	—	—
Cobourg	0.0	0.0	0.0	0.0	0.0		—	—	—
Collingwood	0.0	1.8	3.5	1.6	0.0		—	—	—
Concord	0.0	0.0	0.0	0.0	0.0		—	—	—
Cornwall	0.0	1.1	0.0	0.6	2.2		—	—	—
Cumberland	0.0	0.0	0.0	0.0	0.0		—	—	—
Delhi	0.0	0.0	0.0	0.0	0.0		—	—	—
Downsview	0.9	0.9	0.9	0.6	0.3		—	—	—
Dryden	0.0	2.8	0.0	0.0	0.0		—	—	—
Dunnville	2.9	0.0	2.7	0.0	0.0		—	—	—
East Gwillimbury	0.0	0.0	4.6	0.0	0.0		—	—	—
Elliot Lake	0.0	1.9	1.8	0.0	1.8		—	—	—
Elmira	0.0	0.0	0.0	0.0	5.0		—	—	—
Espanola	0.0	0.0	0.0	0.0	5.2		—	—	—
Essex	0.0	0.0	3.1	0.0	0.0		—	—	—
Etobicoke	1.4	1.6	1.5	1.1	1.1		—	—	—
Fergus	0.0	0.0	0.0	2.7	2.9		—	—	—
Fort Erie	0.0	2.1	0.0	0.0	0.0		—	—	—
Fort Frances	0.0	0.0	0.0	6.4	3.4		—	—	—
Gananoque	0.0	0.0	4.3	0.0	0.0		—	—	—
Garson	10.0	0.0	0.0	0.0	10.4		—	—	—
Georgetown	0.0	0.0	0.0	0.0	0.0		—	—	—
Goderich	2.4	0.0	2.4	0.0	0.0		—	—	—
Gravenhurst	7.0	3.5	0.0	0.0	2.7		—	—	—
Greely	0.0	0.0	0.0	0.0	0.0		—	—	—
Grimsby	0.0	2.0	0.0	2.0	0.0		—	—	—
Guelph	1.2	1.1	0.4	2.7	0.8		—	—	—
Hamilton	1.3	0.8	1.5	2.0	3.6		—	—	—
Hanmer	0.0	2.5	2.5	0.0	12.2		—	—	—
Hanover	2.8	0.0	0.0	0.0	0.0		—	—	—
Hawkesbury	0.0	0.0	0.0	0.0	6.0		—	—	—
Huntsville	0.0	4.4	0.0	0.0	0.0		—	—	—
Ingersoll	0.0	0.0	0.0	5.0	0.0		—	—	—
Innisfil	—	—	—	0.0	0.0		—	—	—
Kapuskasing	2.5	3.0	2.5	0.0	0.0		—	—	—
Kenora	3.6	8.0	3.8	3.7	7.8		—	—	—
Keswick	0.0	0.0	0.0	0.0	1.9		—	—	—
Kincardine	0.0	0.0	0.0	0.0	0.0		—	—	—
King City	0.0	5.6	0.0	4.6	0.0		—	—	—
Kingston	0.8	1.9	1.7	0.4	0.7		—	—	—
Kingsville	2.4	2.4	0.0	0.0	0.0		—	—	—
Kirkland Lake	0.0	0.0	0.0	0.0	0.0		—	—	—
Kitchener	0.3	1.0	2.0	0.9	1.6		—	—	—
Leamington	0.0	0.0	1.4	1.4	0.0		—	—	—
Lindsay	2.1	1.1	2.1	2.3	1.1		—	—	—
Listowel	4.6	0.0	4.6	0.0	0.0		—	—	—
Lively	0.0	0.0	9.7	0.0	0.0		—	—	—
London	1.3	1.0	0.8	0.8	1.7		—	—	—
Manotick	0.0	0.0	0.0	6.1	0.0		—	—	—
Maple	2.8	0.0	0.0	1.8	1.6		—	—	—
Markham	0.4	0.8	1.6	0.4	2.5		—	—	—
Meaford	0.0	0.0	0.0	4.1	0.0		—	—	—

Postoperative Hemorrhage or Hematoma: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Midland	0.0	5.4	1.8	0.0	1.8		—	—	—
Milton	1.7	0.0	0.0	1.5	1.4		—	—	—
Mississauga	0.1	0.6	1.5	0.5	1.7		—	—	—
Napanee	0.0	0.0	2.5	0.0	2.6		—	—	—
Navan	0.0	0.0	0.0	0.0	0.0		—	—	—
New Hamburg	—	—	—	—	—		—	—	—
Newmarket	3.2	1.5	0.0	2.0	0.7		—	—	—
Niagara Falls	0.8	0.4	1.3	0.0	1.4		—	—	—
North Bay	2.1	0.5	0.5	2.0	2.6		—	—	—
North York	0.0	0.5	0.0	0.5	1.1		—	—	—
Oakville	0.0	0.3	0.7	0.0	2.0		—	—	—
Orangeville	0.0	0.0	2.4	2.2	3.5		—	—	—
Orillia	1.7	0.8	1.6	0.8	3.1		—	—	—
Oshawa	1.3	1.0	0.8	1.6	1.6		—	—	—
Ottawa	1.5	1.0	0.9	1.0	0.9		—	—	—
Owen Sound	0.0	0.0	2.1	1.1	1.0		—	—	—
Paris	0.0	0.0	0.0	0.0	0.0		—	—	—
Parry Sound	0.0	0.0	0.0	0.0	0.0		—	—	—
Pembroke	1.2	2.5	0.0	0.0	1.4		—	—	—
Penetanguishene	0.0	3.3	0.0	2.7	0.0		—	—	—
Perth	0.0	2.3	0.0	0.0	0.0		—	—	—
Petawawa	4.0	4.0	0.0	0.0	0.0		—	—	—
Peterborough	1.9	0.8	1.6	1.1	1.2		—	—	—
Pickering	0.6	1.8	1.7	1.8	2.7		—	—	—
Port Colborne	0.0	1.5	1.6	0.0	0.0		—	—	—
Port Hope	0.0	2.6	0.0	0.0	0.0		—	—	—
Port Perry	2.8	0.0	2.6	0.0	8.2		—	—	—
Port Stanley	0.0	0.0	0.0	0.0	0.0		—	—	—
Renfrew	0.0	0.0	0.0	0.0	0.0		—	—	—
Richmond Hill	1.5	0.5	2.3	0.4	2.5		—	—	—
Rockland	3.8	0.0	0.0	0.0	0.0		—	—	—
Russell	8.3	0.0	0.0	0.0	0.0		—	—	—
Sarnia	2.5	0.0	0.0	0.9	0.0		—	—	—
Sault Ste. Marie	1.4	0.7	0.4	1.5	1.1		—	—	—
Scarborough	0.8	1.6	1.0	1.2	1.1		—	—	—
Simcoe	4.2	4.5	0.0	2.8	0.0		—	—	—
Sioux Lookout	0.0	0.0	8.6	0.0	8.3		—	—	—
Smiths Falls	1.8	0.0	0.0	0.0	0.0		—	—	—
St. Catharine	1.7	1.2	1.2	1.9	1.6		—	—	—
St. Mary's	5.3	0.0	0.0	0.0	0.0		—	—	—
St. Thomas	0.0	2.2	1.5	0.8	0.7		—	—	—
Stouffville	0.0	0.0	0.0	0.0	0.0		—	—	—
Stratford	0.0	0.0	0.0	0.0	0.0		—	—	—
Strathroy	0.0	0.0	1.9	0.0	2.0		—	—	—
Sturgeon	—	—	—	—	0.0		—	—	—
Sudbury	2.1	1.2	1.3	0.3	2.2		—	—	—
Thornhill	0.0	0.5	0.0	1.4	1.4		—	—	—
Thunder Bay	2.1	0.9	1.8	0.7	2.8		—	—	—
Tillsonburg	1.6	1.6	1.5	0.0	0.0		—	—	—
Timmins	1.8	0.9	1.7	1.0	1.1		—	—	—
Toronto	1.2	0.8	0.6	1.1	0.9		—	—	—
Trenton	0.0	0.0	3.0	1.5	0.0		—	—	—
Uxbridge	0.0	0.0	0.0	0.0	0.0		—	—	—
Val Caron	4.2	4.2	4.2	0.0	0.0		—	—	—
Wallaceburg	1.8	0.0	0.0	0.0	0.0		—	—	—
Wasaga Beach	—	—	—	—	—		—	—	—
Welland	0.0	0.6	0.0	0.0	0.7		—	—	—
Weston	1.1	1.5	2.3	0.4	1.1		—	—	—
Whitby	0.6	0.6	0.6	0.6	1.6		—	—	—
Willowdale	0.4	0.8	0.8	0.6	1.6		—	—	—
Windsor	0.8	0.9	0.5	0.8	0.7		—	—	—
Woodbridge	1.7	0.0	0.0	0.0	0.7		—	—	—
Woodstock	0.7	0.7	2.4	1.5	0.7		—	—	—
Rural	1.1	1.0	0.8	1.1	1.0		—	—	—
Other	0.9	0.7	0.6	0.8	0.7		—	—	—
<b>Ontario Average</b>	<b>1.1</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.4</b>		<b>—</b>	<b>—</b>	<b>—</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Postoperative Physiologic and Metabolic Derangement: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	0.0	0.0	5.1	0.0	0.0		5.3	5.6	0.0
Ajax	0.0	0.0	1.0	2.0	0.0		0.0	0.0	0.0
Alliston	0.0	0.0	0.0	0.0	3.5		3.7	0.0	3.7
Amherstburg	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Arnprior	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Aurora	0.0	2.0	0.0	0.0	0.0		0.0	0.0	0.0
Aylmer West	0.0	0.0	0.0	0.0	0.0		0.0	4.0	0.0
Barrie	1.3	0.6	0.0	0.0	1.7		0.6	0.0	0.0
Belleville	1.3	0.0	1.3	0.0	1.3		1.5	1.5	0.0
Bolton	3.6	0.0	0.0	3.4	0.0		0.0	0.0	0.0
Bowmanville	1.0	0.0	3.0	0.0	0.9		0.0	0.0	0.9
Bracebridge	0.0	0.0	0.0	0.0	0.0		0.0	0.0	3.8
Bradford	0.0	0.0	0.0	0.0	3.4		0.0	0.0	0.0
Brampton	0.7	0.2	0.3	0.5	0.5		0.3	0.3	1.3
Brantford	0.6	0.0	0.6	1.4	0.6		1.4	0.0	1.4
Brockville	0.0	0.0	1.8	0.0	0.0		2.1	1.9	0.0
Burlington	0.4	1.7	0.7	0.4	1.1		0.0	1.3	0.4
Caledon	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Caledonia	0.0	0.0	0.0	0.0	0.0		0.0	0.0	5.4
Cambridge	0.0	0.0	1.2	0.7	1.2		1.9	0.0	0.0
Carleton Place	0.0	0.0	0.0	0.0	0.0		0.0	5.4	4.7
Chatham	0.0	0.0	2.1	1.0	1.1		2.5	0.0	0.0
Cobourg	0.0	0.0	0.0	0.0	0.0		0.0	2.5	0.0
Collingwood	0.0	0.0	0.0	0.0	2.3		0.0	0.0	0.0
Concord	0.0	0.0	0.0	0.0	0.0		5.3	0.0	0.0
Cornwall	0.9	0.0	1.0	0.0	2.0		2.1	1.2	0.0
Cumberland	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Delhi	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Downsview	0.8	0.4	1.0	0.0	0.5		1.6	1.4	0.6
Dryden	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Dunnville	0.0	4.0	0.0	3.7	0.0		4.7	0.0	0.0
East Gwillimbury	0.0	0.0	0.0	0.0	0.0		7.8	0.0	0.0
Elliot Lake	0.0	3.8	0.0	0.0	0.0		0.0	3.7	0.0
Elmira	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Espanola	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Essex	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Etobicoke	0.5	0.2	1.1	0.3	0.5		0.6	0.7	0.6
Fergus	0.0	0.0	0.0	0.0	4.5		0.0	0.0	0.0
Fort Erie	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Fort Frances	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Gananoque	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Garson	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Georgetown	0.0	0.0	0.0	0.0	2.0		2.1	0.0	0.0
Goderich	0.0	0.0	0.0	4.1	0.0		0.0	3.3	3.5
Gravenhurst	0.0	0.0	0.0	0.0	0.0		0.0	0.0	5.1
Greely	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Grimsby	0.0	2.8	2.7	0.0	0.0		0.0	0.0	2.5
Guelph	0.0	1.1	1.2	2.3	1.8		0.0	1.2	0.6
Hamilton	0.5	1.1	1.4	1.1	0.7		1.2	1.2	0.4
Hanmer	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Hanover	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Hawkesbury	0.0	0.0	0.0	0.0	0.0		5.4	0.0	6.0
Huntsville	0.0	0.0	0.0	0.0	0.0		4.1	0.0	0.0
Ingersoll	0.0	0.0	0.0	0.0	0.0		0.0	4.1	0.0
Innisfil	—	—	—	0.0	0.0		0.0	2.9	0.0
Kapuskasing	0.0	0.0	0.0	3.3	0.0		0.0	0.0	0.0
Kenora	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Keswick	3.2	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Kincardine	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
King City	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Kingston	0.7	0.0	0.0	0.0	0.7		0.0	0.8	0.7
Kingsville	0.0	0.0	3.8	0.0	0.0		0.0	0.0	0.0
Kirkland Lake	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Kitchener	1.0	0.3	0.6	0.6	0.8		1.2	0.9	0.6
Leamington	0.0	1.7	0.0	0.0	2.1		0.0	0.0	0.0
Lindsay	0.0	0.0	0.0	0.0	0.0		2.0	0.0	1.9
Listowel	6.5	0.0	0.0	0.0	0.0		0.0	0.0	6.0
Lively	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
London	0.8	0.0	0.6	1.1	0.4		0.6	0.6	0.6
Manotick	0.0	0.0	0.0	0.0	0.0		0.0	0.0	9.1
Maple	0.0	0.0	0.0	0.0	2.2		0.0	0.0	4.1
Markham	0.0	1.2	0.6	0.0	0.0		1.1	0.0	0.0
Meaford	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0

Postoperative Physiologic and Metabolic Derangement: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Milton	0.0	2.5	0.0	6.9	0.0	0.0	0.0	1.9	
Mississauga	1.1	0.2	0.0	0.4	0.3	0.8	0.5	0.5	
Napanee	0.0	0.0	4.2	0.0	0.0	5.2	5.1	0.0	
Navan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
New Hamburg	—	—	—	—	—	17.9	0.0	0.0	
Newmarket	0.0	0.0	0.0	1.0	0.0	1.1	0.0	0.9	
Niagara Falls	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	
North Bay	0.0	0.8	0.7	0.0	0.0	1.8	0.0	1.0	
North York	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.0	
Oakville	0.5	0.5	0.5	0.0	0.0	0.5	2.3	1.1	
Orangeville	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	
Orillia	0.0	0.0	1.4	2.4	0.0	1.3	0.0	2.7	
Oshawa	0.0	0.4	0.8	0.8	0.4	0.8	0.5	1.3	
Ottawa	0.3	0.3	0.6	0.5	1.1	1.3	1.6	1.6	
Owen Sound	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Paris	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Parry Sound	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	
Pembroke	0.0	0.0	0.0	0.0	2.2	4.9	2.3	0.0	
Penetanguishene	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Perth	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	
Petawawa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Peterborough	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0	
Pickering	0.0	0.0	0.0	1.8	0.8	1.8	0.0	1.8	
Port Colborne	0.0	2.4	0.0	0.0	2.6	0.0	3.0	0.0	
Port Hope	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Port Perry	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	
Port Stanley	0.0	0.0	0.0	0.0	0.0	0.0	15.2	0.0	
Renfrew	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Richmond Hill	2.2	0.7	0.7	1.2	0.6	0.0	0.0	0.0	
Rockland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	
Russell	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sarnia	0.0	0.6	0.7	0.0	0.0	0.7	0.0	0.8	
Sault Ste. Marie	1.0	1.1	0.0	0.0	0.6	0.6	0.7	1.4	
Scarborough	0.9	0.5	0.1	0.5	0.9	0.7	0.8	1.2	
Simcoe	0.0	7.2	2.4	0.0	0.0	2.6	0.0	0.0	
Sioux Lookout	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Smiths Falls	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	
St. Catharine	1.1	0.7	0.4	0.0	1.0	0.4	1.7	0.8	
St. Mary's	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
St. Thomas	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.2	
Stouffville	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Stratford	0.0	1.9	0.0	1.9	1.7	0.0	1.9	1.8	
Strathroy	0.0	0.0	0.0	0.0	0.0	5.8	0.0	3.0	
Sturgeon	—	—	—	—	0.0	0.0	0.0	4.5	
Sudbury	0.6	0.0	0.0	0.6	0.7	0.0	0.9	1.5	
Thornhill	0.0	0.7	0.8	2.1	0.7	0.7	0.8	0.0	
Thunder Bay	0.4	0.4	0.4	0.0	0.0	0.5	1.0	0.0	
Tillsonburg	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	
Timmins	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	
Toronto	0.7	0.8	0.7	0.4	0.3	0.7	1.1	0.3	
Trenton	0.0	0.0	2.4	0.0	0.0	2.8	0.0	0.0	
Uxbridge	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Val Caron	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Wallaceburg	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	
Wasaga Beach	—	—	—	—	—	—	0.0	0.0	
Welland	0.0	0.0	2.9	1.0	0.0	2.4	1.2	0.0	
Weston	0.5	1.1	0.0	0.6	1.2	0.7	0.0	0.0	
Whitby	2.6	0.0	0.0	0.0	1.6	0.0	0.0	0.0	
Willowdale	0.3	0.6	0.7	1.3	0.3	1.4	0.4	0.4	
Windsor	0.0	0.2	0.2	0.0	1.1	0.9	0.5	0.2	
Woodbridge	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Woodstock	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.1	
Rural	0.3	0.4	0.4	0.4	0.5	0.5	0.9	0.6	
Other	0.0	0.3	1.0	1.0	1.7	1.0	1.1	1.5	
<b>Ontario Average</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.6</b>	<b>0.8</b>	<b>0.8</b>	<b>0.7</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Postoperative Respiratory Failure: Observed Rate by Municipality (per Thousand)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—	0.0	0.0	0.0
Ajax	—	—	—	—	—	0.0	0.0	0.0
Alliston	—	—	—	—	—	4.1	0.0	0.0
Amherstburg	—	—	—	—	—	3.1	0.0	0.0
Arnprior	—	—	—	—	—	0.0	7.2	5.9
Aurora	—	—	—	—	—	2.1	0.0	0.0
Aylmer West	—	—	—	—	—	0.0	4.2	0.0
Barrie	—	—	—	—	—	0.7	0.0	0.7
Belleville	—	—	—	—	—	1.6	1.7	0.0
Bolton	—	—	—	—	—	0.0	0.0	0.0
Bowmanville	—	—	—	—	—	1.0	0.0	3.1
Bracebridge	—	—	—	—	—	4.9	4.8	0.0
Bradford	—	—	—	—	—	8.8	8.1	0.0
Brampton	—	—	—	—	—	0.3	0.7	1.2
Brantford	—	—	—	—	—	0.8	1.8	3.1
Brockville	—	—	—	—	—	0.0	2.1	2.1
Burlington	—	—	—	—	—	1.4	3.4	0.5
Caledon	—	—	—	—	—	0.0	0.0	0.0
Caledonia	—	—	—	—	—	0.0	0.0	0.0
Cambridge	—	—	—	—	—	2.9	1.5	1.6
Carleton Place	—	—	—	—	—	0.0	0.0	5.7
Chatham	—	—	—	—	—	0.0	0.0	0.0
Cobourg	—	—	—	—	—	2.6	0.0	2.8
Collingwood	—	—	—	—	—	0.0	0.0	0.0
Concord	—	—	—	—	—	5.8	0.0	0.0
Cornwall	—	—	—	—	—	2.4	1.5	4.9
Cumberland	—	—	—	—	—	0.0	0.0	21.3
Delhi	—	—	—	—	—	0.0	0.0	8.3
Downsview	—	—	—	—	—	0.0	0.8	2.7
Dryden	—	—	—	—	—	0.0	0.0	0.0
Dunnville	—	—	—	—	—	10.8	0.0	5.6
East Gwillimbury	—	—	—	—	—	0.0	0.0	0.0
Elliot Lake	—	—	—	—	—	0.0	0.0	0.0
Elmira	—	—	—	—	—	0.0	0.0	0.0
Espanola	—	—	—	—	—	0.0	0.0	0.0
Essex	—	—	—	—	—	4.8	0.0	0.0
Etobicoke	—	—	—	—	—	2.0	1.2	2.7
Fergus	—	—	—	—	—	0.0	5.1	0.0
Fort Erie	—	—	—	—	—	3.9	0.0	0.0
Fort Frances	—	—	—	—	—	0.0	0.0	0.0
Gananoque	—	—	—	—	—	0.0	0.0	0.0
Garson	—	—	—	—	—	0.0	0.0	0.0
Georgetown	—	—	—	—	—	0.0	0.0	0.0
Goderich	—	—	—	—	—	4.3	0.0	7.7
Gravenhurst	—	—	—	—	—	6.7	0.0	0.0
Greely	—	—	—	—	—	0.0	0.0	0.0
Grimsby	—	—	—	—	—	0.0	0.0	0.0
Guelph	—	—	—	—	—	2.1	1.3	0.7
Hamilton	—	—	—	—	—	2.0	2.0	2.3
Hanmer	—	—	—	—	—	0.0	0.0	0.0
Hanover	—	—	—	—	—	0.0	0.0	0.0
Hawkesbury	—	—	—	—	—	0.0	0.0	0.0
Huntsville	—	—	—	—	—	5.0	0.0	0.0
Ingersoll	—	—	—	—	—	4.5	0.0	0.0
Innisfil	—	—	—	—	—	0.0	0.0	0.0
Kapuskasing	—	—	—	—	—	0.0	0.0	0.0
Kenora	—	—	—	—	—	0.0	0.0	0.0
Keswick	—	—	—	—	—	0.0	3.1	0.0
Kincardine	—	—	—	—	—	0.0	0.0	0.0
King City	—	—	—	—	—	0.0	11.9	0.0
Kingston	—	—	—	—	—	0.0	1.9	1.7
Kingsville	—	—	—	—	—	3.8	0.0	0.0
Kirkland Lake	—	—	—	—	—	5.6	6.7	0.0
Kitchener	—	—	—	—	—	0.7	3.3	2.5
Leamington	—	—	—	—	—	2.4	2.3	5.0
Lindsay	—	—	—	—	—	0.0	0.0	4.6
Listowel	—	—	—	—	—	15.7	0.0	6.8
Lively	—	—	—	—	—	0.0	0.0	0.0
London	—	—	—	—	—	1.2	1.6	0.6
Manotick	—	—	—	—	—	0.0	0.0	0.0
Maple	—	—	—	—	—	2.5	0.0	4.6
Markham	—	—	—	—	—	0.6	0.0	1.6
Meaford	—	—	—	—	—	0.0	0.0	0.0

Postoperative Respiratory Failure: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—		0.0	0.0	6.0
Milton	—	—	—	—	—		0.0	0.0	2.1
Mississauga	—	—	—	—	—		2.2	1.6	2.6
Napanee	—	—	—	—	—		12.1	0.0	0.0
Navan	—	—	—	—	—		0.0	0.0	0.0
New Hamburg	—	—	—	—	—		0.0	0.0	0.0
Newmarket	—	—	—	—	—		0.0	1.2	1.1
Niagara Falls	—	—	—	—	—		0.0	1.0	4.1
North Bay	—	—	—	—	—		1.0	1.1	1.1
North York	—	—	—	—	—		2.0	1.2	2.4
Oakville	—	—	—	—	—		0.0	3.2	1.2
Orangeville	—	—	—	—	—		2.1	0.0	0.0
Orillia	—	—	—	—	—		1.4	1.6	4.8
Oshawa	—	—	—	—	—		1.4	0.0	3.4
Ottawa	—	—	—	—	—		2.0	3.6	3.8
Owen Sound	—	—	—	—	—		0.0	0.0	2.2
Paris	—	—	—	—	—		5.3	0.0	5.8
Parry Sound	—	—	—	—	—		0.0	0.0	0.0
Pembroke	—	—	—	—	—		5.6	5.3	2.7
Penetanguishene	—	—	—	—	—		0.0	0.0	0.0
Perth	—	—	—	—	—		4.5	0.0	0.0
Petawawa	—	—	—	—	—		0.0	0.0	0.0
Peterborough	—	—	—	—	—		1.7	1.7	2.3
Pickering	—	—	—	—	—		1.9	0.0	0.0
Port Colborne	—	—	—	—	—		0.0	0.0	0.0
Port Hope	—	—	—	—	—		4.6	0.0	0.0
Port Perry	—	—	—	—	—		4.2	5.1	4.2
Port Stanley	—	—	—	—	—		0.0	0.0	0.0
Renfrew	—	—	—	—	—		4.5	4.7	0.0
Richmond Hill	—	—	—	—	—		0.7	0.8	1.3
Rockland	—	—	—	—	—		0.0	0.0	0.0
Russell	—	—	—	—	—		0.0	0.0	0.0
Sarnia	—	—	—	—	—		0.8	0.0	0.9
Sault Ste. Marie	—	—	—	—	—		0.7	0.0	2.6
Scarborough	—	—	—	—	—		1.9	2.7	1.7
Simcoe	—	—	—	—	—		2.9	0.0	0.0
Sioux Lookout	—	—	—	—	—		0.0	0.0	0.0
Smiths Falls	—	—	—	—	—		0.0	0.0	0.0
St. Catharine	—	—	—	—	—		1.3	1.9	2.5
St. Mary's	—	—	—	—	—		0.0	7.5	0.0
St. Thomas	—	—	—	—	—		1.5	0.0	0.0
Stouffville	—	—	—	—	—		0.0	0.0	3.3
Stratford	—	—	—	—	—		2.0	0.0	0.0
Strathroy	—	—	—	—	—		3.1	0.0	0.0
Sturgeon	—	—	—	—	—		0.0	0.0	0.0
Sudbury	—	—	—	—	—		0.0	0.0	0.9
Thornhill	—	—	—	—	—		0.0	0.0	4.1
Thunder Bay	—	—	—	—	—		1.1	1.8	0.6
Tillsonburg	—	—	—	—	—		0.0	0.0	3.0
Timmins	—	—	—	—	—		2.0	2.5	0.0
Toronto	—	—	—	—	—		1.4	1.5	2.6
Trenton	—	—	—	—	—		0.0	0.0	6.8
Uxbridge	—	—	—	—	—		0.0	0.0	5.2
Val Caron	—	—	—	—	—		0.0	0.0	0.0
Wallaceburg	—	—	—	—	—		3.9	0.0	0.0
Wasaga Beach	—	—	—	—	—		—	0.0	0.0
Welland	—	—	—	—	—		1.4	4.2	0.0
Weston	—	—	—	—	—		1.5	1.0	4.3
Whitby	—	—	—	—	—		0.9	2.0	0.8
Willowdale	—	—	—	—	—		1.2	1.5	1.3
Windsor	—	—	—	—	—		1.7	2.4	2.6
Woodbridge	—	—	—	—	—		0.0	0.0	1.0
Woodstock	—	—	—	—	—		1.1	1.2	0.0
Rural	—	—	—	—	—		1.1	1.4	1.5
Other	—	—	—	—	—		1.2	1.4	2.3
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		<b>1.4</b>	<b>1.5</b>	<b>1.9</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )



Postoperative Pulmonary Embolism or Deep Vein Thrombosis: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	0.0	3.2	0.0	14.3	19.4		—	—	—
Ajax	5.8	2.6	6.1	4.0	4.6		—	—	—
Alliston	0.0	13.2	18.0	10.5	7.6		—	—	—
Amherstburg	5.3	5.2	5.0	7.1	3.7		—	—	—
Arnprior	0.0	3.0	6.5	3.1	9.2		—	—	—
Aurora	8.7	5.3	9.2	4.9	9.1		—	—	—
Aylmer West	2.4	2.1	2.1	6.9	2.4		—	—	—
Barrie	5.4	3.9	3.7	8.4	6.3		—	—	—
Belleville	6.8	5.5	7.0	4.6	7.5		—	—	—
Bolton	7.3	4.9	4.8	2.2	7.6		—	—	—
Bowmanville	2.8	5.0	4.8	2.0	4.4		—	—	—
Bracebridge	0.0	5.2	7.4	12.3	9.3		—	—	—
Bradford	17.7	13.8	11.7	8.7	0.0		—	—	—
Brampton	4.0	3.7	3.0	2.3	6.6		—	—	—
Brantford	5.9	4.6	8.1	8.9	8.3		—	—	—
Brockville	9.1	6.9	6.8	6.0	4.7		—	—	—
Burlington	2.7	6.4	7.2	7.2	5.2		—	—	—
Caledon	0.0	28.6	0.0	0.0	0.0		—	—	—
Caledonia	0.0	7.0	3.4	6.8	7.0		—	—	—
Cambridge	5.3	1.9	3.9	5.5	2.4		—	—	—
Carleton Place	11.7	2.6	0.0	16.1	8.0		—	—	—
Chatham	7.9	9.0	5.9	5.5	3.5		—	—	—
Cobourg	7.8	6.2	8.4	1.6	3.4		—	—	—
Collingwood	7.4	1.8	5.2	9.4	5.0		—	—	—
Concord	6.6	5.3	11.2	0.0	8.6		—	—	—
Corwall	4.8	3.9	4.5	6.6	5.5		—	—	—
Cumberland	0.0	13.5	0.0	0.0	39.0		—	—	—
Delhi	16.3	0.0	9.5	7.8	0.0		—	—	—
Downsview	4.0	7.7	4.7	8.6	6.6		—	—	—
Dryden	13.8	0.0	3.2	0.0	3.9		—	—	—
Dunnville	2.9	5.4	10.6	10.1	2.8		—	—	—
East Gwillimbury	5.2	10.8	0.0	4.3	4.7		—	—	—
Elliot Lake	3.8	11.3	9.0	3.6	0.0		—	—	—
Elmira	4.7	10.3	0.0	4.9	19.9		—	—	—
Espanola	0.0	0.0	4.8	0.0	0.0		—	—	—
Essex	5.3	2.8	3.1	2.7	9.1		—	—	—
Etobicoke	9.1	8.3	8.6	9.8	10.0		—	—	—
Fergus	5.8	0.0	3.3	5.3	0.0		—	—	—
Fort Erie	4.1	6.3	4.3	0.0	0.0		—	—	—
Fort Frances	5.9	0.0	6.9	3.2	3.4		—	—	—
Gananoque	4.1	12.4	13.2	9.2	0.0		—	—	—
Garson	0.0	0.0	4.5	4.5	0.0		—	—	—
Georgetown	2.7	3.7	5.8	4.3	7.1		—	—	—
Goderich	16.6	17.2	11.8	5.3	7.4		—	—	—
Gravenhurst	3.5	10.5	10.5	3.4	13.2		—	—	—
Greely	0.0	10.8	11.2	18.7	0.0		—	—	—
Grimsby	4.1	2.0	5.9	4.0	0.0		—	—	—
Guelph	1.9	5.6	5.5	8.4	6.1		—	—	—
Hamilton	6.1	5.3	7.9	8.3	9.1		—	—	—
Hanmer	4.7	0.0	0.0	5.9	0.0		—	—	—
Hanover	5.6	2.8	12.3	0.0	10.2		—	—	—
Hawkesbury	0.0	11.8	16.9	11.5	6.0		—	—	—
Huntsville	2.5	8.7	4.5	4.5	4.3		—	—	—
Ingersoll	9.0	4.6	7.9	2.5	11.3		—	—	—
Innisfil	—	—	—	9.9	3.7		—	—	—
Kapuskasing	0.0	0.0	2.5	4.3	5.2		—	—	—
Kenora	0.0	4.0	7.6	3.7	11.8		—	—	—
Keswick	0.0	5.9	6.5	5.3	7.5		—	—	—
Kincardine	13.4	6.3	3.2	3.2	12.6		—	—	—
King City	26.8	10.9	0.0	4.6	5.8		—	—	—
Kingston	9.4	6.7	11.0	7.5	7.6		—	—	—
Kingsville	4.7	7.0	7.7	2.5	7.9		—	—	—
Kirkland Lake	3.1	5.9	6.0	0.0	9.3		—	—	—
Kitchener	4.1	6.9	6.0	5.7	5.7		—	—	—
Leamington	2.6	8.8	4.3	7.2	8.5		—	—	—
Lindsay	6.2	3.3	6.3	8.1	4.5		—	—	—
Listowel	4.5	5.0	23.0	5.0	13.5		—	—	—
Lively	9.3	0.0	4.8	4.9	8.0		—	—	—
London	9.0	7.2	7.4	9.5	11.0		—	—	—
Manotick	12.3	5.5	5.2	18.2	11.9		—	—	—
Maple	0.0	9.9	3.8	3.6	4.7		—	—	—
Markham	4.2	3.7	3.6	3.8	2.5		—	—	—
Meaford	0.0	7.2	3.9	12.3	0.0		—	—	—

Postoperative Pulmonary Embolism or Deep Vein Thrombosis: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Midland	3.4	1.8	12.9	3.8	3.6		—	—	—
Milton	5.0	8.8	3.0	2.9	2.7		—	—	—
Mississauga	5.2	4.9	6.1	6.8	8.2		—	—	—
Napanee	7.4	2.5	12.4	7.8	7.9		—	—	—
Navan	0.0	9.6	0.0	18.3	0.0		—	—	—
New Hamburg	—	—	—	—	—		—	—	—
Newmarket	6.4	6.7	10.8	8.5	2.8		—	—	—
Niagara Falls	5.7	6.9	6.9	3.6	6.2		—	—	—
North Bay	3.7	3.7	4.4	3.6	2.6		—	—	—
North York	7.7	7.0	7.1	5.6	8.8		—	—	—
Oakville	8.6	6.4	3.6	5.0	3.3		—	—	—
Orangeville	2.5	12.9	2.4	3.3	2.3		—	—	—
Orillia	5.8	3.3	6.5	7.7	3.8		—	—	—
Oshawa	4.4	3.6	6.5	6.5	3.9		—	—	—
Ottawa	6.6	5.5	6.6	7.7	9.4		—	—	—
Owen Sound	9.4	5.6	6.3	2.2	7.1		—	—	—
Paris	3.1	0.0	3.3	0.0	14.5		—	—	—
Parry Sound	0.0	7.8	0.0	5.5	8.7		—	—	—
Pembroke	4.9	4.9	8.8	3.9	10.8		—	—	—
Penetanguishene	2.9	3.3	2.9	0.0	6.0		—	—	—
Perth	8.9	0.0	8.9	20.0	2.5		—	—	—
Petawawa	4.0	0.0	4.0	4.2	4.5		—	—	—
Peterborough	5.7	4.7	5.0	4.2	6.3		—	—	—
Pickering	3.7	1.8	5.1	4.2	5.4		—	—	—
Port Colborne	10.1	6.1	4.9	12.4	5.1		—	—	—
Port Hope	7.1	7.8	5.2	10.6	5.3		—	—	—
Port Perry	2.8	7.9	5.1	7.3	10.8		—	—	—
Port Stanley	12.5	0.0	0.0	9.2	18.5		—	—	—
Renfrew	2.4	2.4	5.1	8.1	9.9		—	—	—
Richmond Hill	3.5	5.6	8.2	5.7	6.5		—	—	—
Rockland	11.5	6.9	7.8	11.3	13.0		—	—	—
Russell	0.0	0.0	0.0	0.0	0.0		—	—	—
Sarnia	4.9	3.9	8.9	8.5	3.8		—	—	—
Sault Ste. Marie	6.2	6.2	6.0	5.8	3.7		—	—	—
Scarborough	5.7	6.1	7.5	9.1	7.3		—	—	—
Simcoe	7.0	4.5	5.6	4.2	6.1		—	—	—
Sioux Lookout	0.0	10.4	16.9	0.0	0.0		—	—	—
Smiths Falls	7.1	8.8	2.0	12.9	13.8		—	—	—
St. Catharine	6.4	6.8	5.2	4.5	7.6		—	—	—
St. Mary's	0.0	5.3	18.0	38.6	9.4		—	—	—
St. Thomas	11.1	7.3	5.8	6.0	6.7		—	—	—
Stouffville	4.2	10.6	6.6	6.4	6.0		—	—	—
Stratford	3.9	9.0	1.3	2.6	3.4		—	—	—
Strathroy	6.1	7.4	3.9	6.4	4.0		—	—	—
Sturgeon	—	—	—	—	0.0		—	—	—
Sudbury	4.5	5.6	3.6	1.7	3.6		—	—	—
Thornhill	5.5	4.7	7.3	4.3	8.4		—	—	—
Thunder Bay	7.0	7.0	9.6	13.0	8.2		—	—	—
Tillsonburg	9.5	3.2	5.8	9.0	12.7		—	—	—
Timmins	0.0	4.7	6.8	6.7	7.4		—	—	—
Toronto	8.2	9.2	9.0	9.0	9.7		—	—	—
Trenton	4.3	10.2	10.4	4.4	5.9		—	—	—
Uxbridge	3.2	14.3	2.8	5.9	2.7		—	—	—
Val Caron	12.4	4.2	4.2	0.0	0.0		—	—	—
Wallaceburg	3.6	9.3	2.1	4.1	2.1		—	—	—
Wasaga Beach	—	—	—	—	—		—	—	—
Welland	4.8	5.6	6.1	7.4	4.0		—	—	—
Weston	9.4	7.3	9.4	9.1	7.5		—	—	—
Whitby	1.8	1.9	3.6	7.8	4.9		—	—	—
Willowdale	4.5	7.4	9.0	6.2	7.8		—	—	—
Windsor	6.0	5.0	5.6	7.1	6.1		—	—	—
Woodbridge	7.7	3.7	4.8	4.4	9.1		—	—	—
Woodstock	8.6	5.9	6.2	4.4	5.2		—	—	—
Rural	5.0	5.3	5.9	6.3	6.1		—	—	—
Other	6.6	6.5	7.2	6.1	7.0		—	—	—
<b>Ontario Average</b>	<b>5.9</b>	<b>5.9</b>	<b>6.6</b>	<b>6.9</b>	<b>6.9</b>		<b>—</b>	<b>—</b>	<b>—</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Postoperative Sepsis: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Ajax	0.0	0.0	7.2	3.4	0.0		3.5	4.1	7.8
Alliston	0.0	11.9	0.0	26.3	0.0		0.0	0.0	0.0
Amherstburg	0.0	8.5	0.0	0.0	0.0		0.0	9.8	0.0
Arnprior	0.0	0.0	0.0	0.0	0.0		0.0	0.0	16.7
Aurora	0.0	0.0	0.0	0.0	0.0		0.0	0.0	6.9
Aylmer West	0.0	23.0	0.0	0.0	0.0		0.0	20.4	15.4
Barrie	4.0	4.2	0.0	4.3	0.0		9.4	2.7	7.4
Belleville	0.0	3.6	3.3	6.3	0.0		3.3	0.0	0.0
Bolton	0.0	0.0	0.0	0.0	0.0		0.0	0.0	12.7
Bowmanville	0.0	0.0	0.0	0.0	6.5		0.0	0.0	0.0
Bracebridge	13.5	0.0	0.0	0.0	11.9		0.0	0.0	14.5
Bradford	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Brampton	0.9	1.8	3.0	3.6	3.8		4.7	5.2	3.5
Brantford	1.9	3.4	1.8	3.8	0.0		9.0	2.0	3.5
Brockville	0.0	5.0	0.0	6.0	0.0		11.2	0.0	17.9
Burlington	5.3	0.0	3.7	0.0	7.1		4.9	1.3	4.5
Caledon	—	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Caledonia	0.0	0.0	0.0	29.9	0.0		0.0	0.0	0.0
Cambridge	2.0	0.0	4.1	2.2	6.0		1.9	7.1	0.0
Carleton Place	0.0	0.0	16.1	0.0	0.0		0.0	0.0	15.9
Chatham	3.0	0.0	0.0	0.0	0.0		0.0	0.0	3.3
Cobourg	0.0	0.0	8.3	13.4	0.0		5.2	7.8	6.7
Collingwood	0.0	0.0	0.0	0.0	0.0		7.8	0.0	0.0
Concord	0.0	0.0	0.0	0.0	44.4		0.0	0.0	0.0
Cornwall	2.9	5.2	2.6	0.0	2.6		5.2	0.0	0.0
Cumberland	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Delhi	0.0	0.0	0.0	0.0	0.0		23.3	0.0	25.6
Downsview	4.5	4.1	3.3	1.5	5.1		12.9	8.6	7.6
Dryden	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Dunnville	0.0	10.8	0.0	0.0	0.0		15.4	0.0	0.0
East Gwillimbury	0.0	0.0	21.3	0.0	0.0		31.3	28.6	0.0
Elliot Lake	0.0	0.0	0.0	0.0	0.0		9.5	8.9	0.0
Elmira	0.0	0.0	0.0	0.0	0.0		83.3	0.0	0.0
Espanola	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Essex	0.0	0.0	0.0	0.0	0.0		27.8	0.0	0.0
Etobicoke	3.9	0.8	5.2	7.9	4.8		4.7	5.3	4.7
Fergus	0.0	0.0	0.0	0.0	0.0		0.0	0.0	11.8
Fort Erie	0.0	0.0	0.0	0.0	9.2		17.5	0.0	0.0
Fort Frances	16.9	0.0	0.0	0.0	0.0		22.2	0.0	0.0
Gananoque	0.0	0.0	0.0	19.2	0.0		0.0	0.0	0.0
Garson	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Georgetown	0.0	0.0	7.1	8.0	0.0		0.0	0.0	0.0
Goderich	0.0	0.0	18.5	22.0	0.0		22.2	0.0	17.9
Gravenhurst	0.0	0.0	0.0	0.0	0.0		15.4	0.0	14.9
Greely	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Grimsby	0.0	8.9	0.0	7.9	0.0		7.9	6.8	0.0
Guelph	1.8	10.9	3.6	4.0	6.1		1.8	1.8	7.2
Hamilton	5.4	4.5	6.3	4.4	3.2		5.7	8.1	5.0
Hanmer	0.0	0.0	0.0	0.0	0.0		0.0	20.8	21.7
Hanover	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Hawkesbury	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Huntsville	13.0	0.0	13.2	0.0	0.0		0.0	0.0	0.0
Ingersoll	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Innisfil	—	—	—	75.0	0.0		0.0	0.0	0.0
Kapuskasing	0.0	0.0	0.0	0.0	0.0		18.2	0.0	0.0
Kenora	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Keswick	0.0	11.2	0.0	20.0	11.4		0.0	0.0	0.0
Kincardine	0.0	0.0	15.2	0.0	0.0		0.0	0.0	12.2
King City	0.0	0.0	0.0	0.0	0.0		26.3	0.0	0.0
Kingston	3.1	1.7	4.6	1.6	0.0		3.2	9.0	0.0
Kingsville	0.0	0.0	0.0	0.0	0.0		0.0	0.0	26.7
Kirkland Lake	0.0	0.0	0.0	20.8	0.0		0.0	0.0	20.4
Kitchener	3.5	7.0	1.8	0.9	2.0		8.9	2.7	3.6
Leamington	5.2	0.0	5.6	7.9	7.2		16.9	7.1	9.0
Lindsay	0.0	6.3	6.0	0.0	5.3		0.0	6.1	4.9
Listowel	0.0	0.0	0.0	0.0	21.7		0.0	17.5	0.0
Lively	24.4	0.0	0.0	0.0	0.0		0.0	0.0	0.0
London	6.1	4.0	7.0	5.4	2.1		7.6	3.7	8.2
Manotick	0.0	0.0	30.3	0.0	0.0		0.0	0.0	0.0
Maple	0.0	0.0	11.8	9.5	14.2		8.2	9.6	0.0
Markham	4.4	0.0	4.6	4.2	2.0		6.3	4.5	8.5
Meaford	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0

Postoperative Sepsis: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Midland	0.0	0.0	10.3	0.0	0.0		0.0	0.0	0.0
Milton	0.0	0.0	6.7	14.4	6.8		0.0	0.0	0.0
Mississauga	1.0	2.0	1.1	0.9	5.2		2.1	4.0	3.9
Napanee	11.8	0.0	0.0	11.0	0.0		0.0	11.2	0.0
Navan	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
New Hamburg	—	—	—	—	—		45.5	0.0	0.0
Newmarket	0.0	0.0	0.0	0.0	7.7		3.4	3.9	0.0
Niagara Falls	8.1	7.4	3.9	4.3	2.3		6.1	4.4	5.9
North Bay	2.6	2.4	2.5	2.5	5.7		0.0	3.3	0.0
North York	5.2	4.7	5.3	5.1	11.1		5.7	10.9	6.2
Oakville	1.6	3.3	6.9	6.3	1.8		3.1	3.3	1.5
Orangeville	6.8	0.0	0.0	0.0	6.2		7.8	0.0	0.0
Orillia	0.0	7.9	0.0	3.9	4.3		0.0	14.6	10.3
Oshawa	1.2	1.2	1.3	4.0	2.7		6.0	3.6	1.6
Ottawa	3.0	3.3	4.2	3.2	6.2		4.1	4.1	4.6
Owen Sound	0.0	0.0	0.0	0.0	0.0		9.0	0.0	0.0
Paris	15.6	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Parry Sound	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Pembroke	0.0	11.7	0.0	5.9	6.1		0.0	0.0	13.9
Penetanguishene	12.7	0.0	0.0	12.8	0.0		0.0	14.5	16.9
Perth	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Petawawa	0.0	0.0	20.8	0.0	0.0		0.0	0.0	34.5
Peterborough	1.7	5.8	0.0	0.0	3.8		1.8	3.6	0.0
Pickering	0.0	3.3	0.0	3.0	5.7		6.5	7.0	0.0
Port Colborne	0.0	16.2	0.0	0.0	7.1		0.0	7.0	0.0
Port Hope	9.7	0.0	0.0	0.0	0.0		10.8	0.0	0.0
Port Perry	0.0	0.0	0.0	35.7	0.0		14.3	0.0	0.0
Port Stanley	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Renfrew	0.0	0.0	0.0	0.0	0.0		11.1	0.0	0.0
Richmond Hill	2.4	4.6	0.0	2.0	2.2		2.2	2.5	2.3
Rockland	0.0	0.0	0.0	0.0	0.0		0.0	0.0	18.5
Russell	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Sarnia	4.6	0.0	4.6	6.8	8.9		0.0	2.6	2.3
Sault Ste. Marie	1.6	3.4	1.9	5.1	5.5		2.1	2.0	4.2
Scarborough	2.6	4.7	3.8	4.1	7.1		2.2	5.8	3.1
Simcoe	0.0	0.0	0.0	8.4	0.0		0.0	9.1	8.7
Sioux Lookout	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Smiths Falls	6.9	0.0	8.9	0.0	0.0		12.2	0.0	0.0
St. Catharine	4.3	0.9	2.0	0.9	6.5		1.0	4.4	2.1
St. Mary's	0.0	0.0	0.0	16.7	0.0		0.0	0.0	0.0
St. Thomas	8.7	4.5	4.5	0.0	15.2		0.0	9.0	9.8
Stouffville	10.8	0.0	14.3	0.0	0.0		0.0	0.0	0.0
Stratford	7.1	6.2	6.4	0.0	6.1		5.6	5.2	0.0
Strathroy	9.0	8.5	8.9	0.0	0.0		0.0	0.0	10.9
Sturgeon	—	—	—	—	0.0		20.0	0.0	16.1
Sudbury	0.0	0.0	0.0	0.0	1.9		1.9	2.2	0.0
Thornhill	0.0	0.0	0.0	2.7	4.9		2.4	0.0	5.3
Thunder Bay	1.4	5.4	7.1	3.0	1.6		6.7	4.5	3.3
Tillsonburg	0.0	6.8	0.0	0.0	7.9		0.0	0.0	17.9
Timmins	8.2	0.0	0.0	0.0	6.6		7.2	0.0	6.7
Toronto	2.9	2.4	4.8	4.2	4.5		7.1	7.3	5.6
Trenton	7.2	7.4	0.0	6.5	0.0		14.4	8.3	15.2
Uxbridge	0.0	0.0	0.0	11.9	0.0		0.0	0.0	0.0
Val Caron	0.0	0.0	0.0	0.0	0.0		0.0	69.0	0.0
Wallaceburg	8.2	0.0	0.0	11.2	0.0		0.0	12.0	0.0
Wasaga Beach	—	—	—	—	—		—	0.0	0.0
Welland	0.0	4.9	0.0	0.0	2.9		5.8	9.1	3.0
Weston	1.7	3.2	3.9	1.9	1.9		3.9	2.6	2.3
Whitby	2.8	5.6	3.0	2.9	2.8		0.0	0.0	2.8
Willowdale	3.7	1.8	1.0	5.3	5.6		1.1	4.2	1.2
Windsor	5.0	5.9	5.5	2.9	6.2		5.0	6.7	4.3
Woodbridge	0.0	0.0	0.0	3.7	0.0		0.0	0.0	6.5
Woodstock	4.1	0.0	13.8	0.0	12.9		7.7	3.8	3.9
Rural	2.6	2.8	2.8	3.6	3.8		2.8	2.5	3.3
Other	8.8	6.2	0.8	0.8	5.0		4.1	4.4	4.8
<b>Ontario Average</b>	<b>3.0</b>	<b>3.1</b>	<b>3.3</b>	<b>3.4</b>	<b>4.1</b>		<b>4.3</b>	<b>4.1</b>	<b>4.0</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

## Postoperative Wound Dehiscence: Observed Rate by Municipality (per Thousand)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	0.0	0.0	0.0	0.0	12.3	—	—	—
Ajax	4.7	0.0	0.0	2.2	0.0	—	—	—
Alliston	15.4	10.4	0.0	0.0	0.0	—	—	—
Amherstburg	7.0	7.1	12.7	8.1	0.0	—	—	—
Arnprior	0.0	0.0	12.0	0.0	0.0	—	—	—
Aurora	0.0	5.8	5.2	15.6	4.9	—	—	—
Aylmer West	25.6	10.3	0.0	0.0	0.0	—	—	—
Barrie	0.0	1.7	5.2	1.7	0.0	—	—	—
Belleville	6.4	3.2	0.0	0.0	3.3	—	—	—
Bolton	0.0	0.0	0.0	0.0	7.8	—	—	—
Bowmanville	6.9	4.0	2.3	4.4	8.1	—	—	—
Bracebridge	0.0	0.0	0.0	0.0	0.0	—	—	—
Bradford	0.0	0.0	0.0	0.0	17.7	—	—	—
Brampton	1.5	0.7	1.4	1.2	1.3	—	—	—
Brantford	4.1	5.3	4.1	1.4	0.0	—	—	—
Brockville	21.1	13.3	0.0	9.0	0.0	—	—	—
Burlington	4.2	1.9	4.5	1.9	3.7	—	—	—
Caledon	0.0	0.0	0.0	0.0	0.0	—	—	—
Caledonia	0.0	0.0	0.0	16.4	0.0	—	—	—
Cambridge	1.5	4.1	2.7	0.0	1.3	—	—	—
Carleton Place	0.0	11.6	0.0	0.0	0.0	—	—	—
Chatham	10.0	11.7	6.9	2.7	3.2	—	—	—
Cobourg	0.0	19.6	0.0	0.0	7.3	—	—	—
Collingwood	9.2	0.0	7.1	0.0	0.0	—	—	—
Concord	0.0	0.0	0.0	0.0	15.6	—	—	—
Cornwall	5.4	21.7	10.0	6.6	6.3	—	—	—
Cumberland	0.0	0.0	0.0	0.0	0.0	—	—	—
Delhi	0.0	0.0	0.0	0.0	15.2	—	—	—
Downsview	3.5	3.4	2.4	2.4	4.9	—	—	—
Dryden	0.0	0.0	0.0	0.0	0.0	—	—	—
Dunnville	0.0	9.8	0.0	0.0	0.0	—	—	—
East Gwillimbury	0.0	0.0	19.2	0.0	0.0	—	—	—
Elliot Lake	0.0	11.0	0.0	9.2	8.8	—	—	—
Elmira	0.0	0.0	0.0	0.0	0.0	—	—	—
Espanola	0.0	0.0	0.0	0.0	0.0	—	—	—
Essex	0.0	0.0	13.7	0.0	0.0	—	—	—
Etobicoke	1.2	4.8	7.3	3.2	2.5	—	—	—
Fergus	0.0	0.0	0.0	0.0	0.0	—	—	—
Fort Erie	8.3	0.0	7.5	7.4	9.7	—	—	—
Fort Frances	0.0	12.7	0.0	0.0	0.0	—	—	—
Gananoque	0.0	15.4	0.0	0.0	13.3	—	—	—
Garson	0.0	0.0	0.0	0.0	0.0	—	—	—
Georgetown	5.1	4.2	5.5	0.0	5.4	—	—	—
Goderich	8.6	0.0	0.0	0.0	0.0	—	—	—
Gravenhurst	0.0	0.0	0.0	0.0	8.6	—	—	—
Greely	0.0	0.0	0.0	0.0	0.0	—	—	—
Grimsby	7.6	0.0	0.0	0.0	6.0	—	—	—
Guelph	3.1	2.8	1.4	5.8	2.9	—	—	—
Hamilton	3.1	5.0	2.0	5.5	2.4	—	—	—
Hanmer	0.0	0.0	0.0	0.0	12.7	—	—	—
Hanover	10.3	9.3	0.0	0.0	0.0	—	—	—
Hawkesbury	12.5	0.0	0.0	12.0	0.0	—	—	—
Huntsville	0.0	0.0	0.0	0.0	0.0	—	—	—
Ingersoll	0.0	0.0	0.0	0.0	0.0	—	—	—
Innisfil	—	—	—	23.3	0.0	—	—	—
Kapuskasing	7.7	0.0	7.3	11.1	0.0	—	—	—
Kenora	0.0	0.0	0.0	0.0	0.0	—	—	—
Keswick	0.0	15.9	0.0	0.0	8.9	—	—	—
Kincardine	0.0	0.0	12.7	0.0	0.0	—	—	—
King City	28.6	0.0	0.0	0.0	0.0	—	—	—
Kingston	0.0	11.0	1.3	2.9	0.0	—	—	—
Kingsville	0.0	0.0	9.8	0.0	0.0	—	—	—
Kirkland Lake	0.0	25.0	0.0	0.0	11.5	—	—	—
Kitchener	1.4	3.9	4.7	1.3	3.4	—	—	—
Leamington	5.2	0.0	5.0	0.0	4.7	—	—	—
Lindsay	3.7	4.0	7.4	0.0	0.0	—	—	—
Listowel	0.0	0.0	15.6	0.0	0.0	—	—	—
Lively	0.0	0.0	0.0	0.0	0.0	—	—	—
London	4.4	3.8	3.8	3.9	3.0	—	—	—
Manotick	0.0	0.0	25.6	0.0	0.0	—	—	—
Maple	0.0	0.0	0.0	0.0	0.0	—	—	—
Markham	1.9	3.3	5.0	1.4	6.9	—	—	—
Meaford	0.0	0.0	0.0	0.0	0.0	—	—	—

## Postoperative Wound Dehiscence: Observed Rate by Municipality (per Thousand)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	0.0	0.0	0.0	0.0	0.0	—	—	—
Milton	7.6	0.0	5.7	5.8	0.0	—	—	—
Mississauga	5.4	3.3	2.5	2.3	2.7	—	—	—
Napanee	0.0	0.0	0.0	8.6	10.3	—	—	—
Navan	0.0	0.0	0.0	0.0	0.0	—	—	—
New Hamburg	—	—	—	—	—	—	—	—
Newmarket	6.9	6.2	0.0	2.7	5.8	—	—	—
Niagara Falls	5.0	4.7	3.3	1.8	0.0	—	—	—
North Bay	0.0	4.7	4.7	5.0	6.9	—	—	—
North York	7.3	0.0	1.9	6.5	2.2	—	—	—
Oakville	2.6	2.4	0.0	1.3	4.8	—	—	—
Orangeville	10.7	0.0	8.0	4.3	4.3	—	—	—
Orillia	6.6	6.1	0.0	2.7	8.7	—	—	—
Oshawa	1.9	4.4	3.5	5.3	2.5	—	—	—
Ottawa	2.9	2.2	0.9	1.8	3.4	—	—	—
Owen Sound	0.0	0.0	4.3	7.8	0.0	—	—	—
Paris	0.0	11.5	0.0	0.0	0.0	—	—	—
Parry Sound	0.0	6.9	6.5	0.0	0.0	—	—	—
Pembroke	11.4	5.5	0.0	0.0	6.9	—	—	—
Penetanguishene	0.0	0.0	0.0	0.0	0.0	—	—	—
Perth	8.1	9.2	0.0	0.0	0.0	—	—	—
Petawawa	0.0	0.0	18.5	0.0	0.0	—	—	—
Peterborough	13.8	6.0	8.2	1.7	5.3	—	—	—
Pickering	5.0	4.5	2.2	2.0	8.4	—	—	—
Port Colborne	0.0	5.4	0.0	6.0	0.0	—	—	—
Port Hope	10.3	0.0	0.0	26.7	0.0	—	—	—
Port Perry	11.4	0.0	16.3	0.0	0.0	—	—	—
Port Stanley	45.5	0.0	43.5	0.0	0.0	—	—	—
Renfrew	18.7	10.5	0.0	12.7	0.0	—	—	—
Richmond Hill	0.0	1.7	1.8	0.0	0.0	—	—	—
Rockland	16.9	15.4	0.0	0.0	0.0	—	—	—
Russell	0.0	0.0	47.6	0.0	0.0	—	—	—
Sarnia	7.5	3.8	5.7	6.0	6.4	—	—	—
Sault Ste. Marie	5.2	1.8	9.9	4.6	1.6	—	—	—
Scarborough	2.6	2.3	4.8	2.8	4.2	—	—	—
Simcoe	0.0	0.0	0.0	0.0	0.0	—	—	—
Sioux Lookout	0.0	0.0	0.0	0.0	0.0	—	—	—
Smiths Falls	6.9	6.5	7.6	0.0	0.0	—	—	—
St. Catharine	2.0	1.8	3.6	0.0	2.9	—	—	—
St. Mary's	0.0	0.0	0.0	0.0	0.0	—	—	—
St. Thomas	0.0	6.8	3.3	0.0	0.0	—	—	—
Stouffville	0.0	0.0	0.0	0.0	9.6	—	—	—
Stratford	5.4	0.0	9.6	0.0	0.0	—	—	—
Strathroy	0.0	0.0	0.0	0.0	8.9	—	—	—
Sturgeon	—	—	—	—	0.0	—	—	—
Sudbury	1.3	4.1	3.1	0.0	6.9	—	—	—
Thornhill	4.1	1.8	0.0	0.0	1.5	—	—	—
Thunder Bay	3.1	4.6	5.3	5.7	3.5	—	—	—
Tillsonburg	6.5	6.2	6.3	5.7	0.0	—	—	—
Timmins	5.5	3.0	2.7	9.8	3.4	—	—	—
Toronto	2.9	3.0	3.2	5.6	3.8	—	—	—
Trenton	4.6	5.4	5.4	6.0	0.0	—	—	—
Uxbridge	0.0	0.0	0.0	0.0	10.9	—	—	—
Val Caron	0.0	0.0	0.0	0.0	0.0	—	—	—
Wallaceburg	0.0	0.0	17.9	0.0	20.8	—	—	—
Wasaga Beach	—	—	—	—	—	—	—	—
Welland	6.5	4.8	0.0	12.3	5.2	—	—	—
Weston	3.1	2.7	1.4	1.5	1.5	—	—	—
Whitby	0.0	6.7	2.2	4.1	5.7	—	—	—
Willowdale	2.8	2.3	1.5	3.9	3.3	—	—	—
Windsor	1.0	2.1	6.0	1.7	1.8	—	—	—
Woodbridge	0.0	0.0	0.0	2.4	7.8	—	—	—
Woodstock	6.1	5.9	5.9	5.4	0.0	—	—	—
Rural	3.7	2.6	3.3	3.8	4.1	—	—	—
Other	2.6	3.0	2.4	4.5	4.6	—	—	—
<b>Ontario Average</b>	<b>3.4</b>	<b>3.4</b>	<b>3.4</b>	<b>3.3</b>	<b>3.4</b>	<b>—</b>	<b>—</b>	<b>—</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Transfusion Reaction: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Ajax	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Alliston	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Amherstburg	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Arnprior	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Aurora	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Aylmer West	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Barrie	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Belleville	0.0	0.0	0.2	0.0	0.0		0.0	0.0	0.0
Bolton	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Bowmanville	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Bracebridge	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Bradford	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Brampton	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Brantford	0.0	0.0	0.0	0.0	0.1		0.0	0.0	0.0
Brockville	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Burlington	0.0	0.1	0.0	0.0	0.0		0.0	0.0	0.0
Caledon	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Caledonia	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Cambridge	0.0	0.0	0.0	0.0	0.0		0.1	0.0	0.0
Carleton Place	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Chatham	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Cobourg	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Collingwood	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Concord	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Cornwall	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Cumberland	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Delhi	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Downsview	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Dryden	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Dunnville	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
East Gwillimbury	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Elliot Lake	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Elmira	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Espanola	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Essex	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Etobicoke	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Fergus	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Fort Erie	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Fort Frances	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Gananoque	0.0	0.0	3.3	0.0	0.0		0.0	0.0	1.6
Garson	0.0	0.0	0.0	0.0	1.5		0.0	0.0	0.0
Georgetown	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Goderich	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Gravenhurst	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Greely	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Grimsby	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.5
Guelph	0.0	0.0	0.0	0.0	0.0		0.0	0.1	0.1
Hamilton	0.0	0.0	0.1	0.0	0.0		0.0	0.1	0.0
Hanmer	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Hanover	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Hawkesbury	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Huntsville	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Ingersoll	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Innisfil	—	—	—	0.0	0.0		0.0	0.0	0.0
Kapuskasing	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Kenora	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Keswick	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Kincardine	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
King City	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Kingston	0.0	0.0	0.0	0.2	0.0		0.0	0.0	0.0
Kingsville	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Kirkland Lake	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Kitchener	0.0	0.0	0.0	0.1	0.0		0.1	0.0	0.0
Leamington	0.0	0.0	0.0	0.4	0.0		0.0	0.0	0.0
Lindsay	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Listowel	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Lively	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
London	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Manotick	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Maple	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Markham	0.0	0.0	0.0	0.0	0.0		0.1	0.0	0.0
Meaford	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0

Transfusion Reaction: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Midland	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Milton	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Mississauga	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Napanee	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Navan	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
New Hamburg	0.0	—	—	0.0	—		0.0	0.0	0.0
Newmarket	0.0	0.2	0.0	0.0	0.0		0.0	0.0	0.0
Niagara Falls	0.0	0.0	0.0	0.0	0.0		0.0	0.1	0.0
North Bay	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
North York	0.0	0.0	0.0	0.0	0.0		0.2	0.0	0.0
Oakville	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Orangeville	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Orillia	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Oshawa	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Ottawa	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Owen Sound	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Paris	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Parry Sound	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Pembroke	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Penetanguishene	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Perth	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Petawawa	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Peterborough	0.0	0.0	0.0	0.0	0.0		0.0	0.1	0.0
Pickering	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Port Colborne	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Port Hope	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Port Perry	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Port Stanley	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Renfrew	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Richmond Hill	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Rockland	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Russell	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Sarnia	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Sault Ste. Marie	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Scarborough	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Simcoe	0.0	0.0	0.0	0.0	0.0		0.0	0.4	0.0
Sioux Lookout	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Smiths Falls	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
St. Catharine	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
St. Mary's	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
St. Thomas	0.0	0.2	0.0	0.0	0.0		0.0	0.0	0.0
Stouffville	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Stratford	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Strathroy	0.0	0.6	0.0	0.0	0.0		0.0	0.0	0.0
Sturgeon	—	—	—	—	0.0		0.0	0.0	0.0
Sudbury	0.0	0.0	0.0	0.0	0.1		0.0	0.1	0.0
Thornhill	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Thunder Bay	0.0	0.0	0.0	0.0	0.1		0.0	0.0	0.0
Tillsonburg	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Timmins	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Toronto	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Trenton	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.4
Uxbridge	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Val Caron	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Wallaceburg	0.0	0.0	0.0	0.0	0.0		0.0	0.5	0.0
Wasaga Beach	—	—	—	—	—		—	0.0	0.0
Welland	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.4
Weston	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Whitby	0.0	0.0	0.2	0.0	0.0		0.0	0.0	0.0
Willowdale	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Windsor	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Woodbridge	0.0	0.3	0.0	0.0	0.0		0.0	0.0	0.0
Woodstock	0.0	0.0	0.0	0.0	0.0		0.0	0.2	0.0
Rural	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
<b>Ontario Average</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )



## Birth Trauma, Injury to Neonate: Observed Rate by Municipality (per Thousand)

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Acton	0.0	0.0	0.0	0.0	15.0	18.7	14.1	0.0
Ajax	5.2	4.1	3.9	6.6	7.0	20.7	20.6	9.0
Alliston	0.0	0.0	6.5	8.6	0.0	29.0	64.5	57.1
Amherstburg	5.2	8.5	0.0	15.1	5.4	10.2	5.0	32.3
Arnprior	8.7	0.0	9.7	0.0	0.0	0.0	30.6	43.9
Aurora	3.5	3.6	8.8	11.5	0.0	10.5	18.9	3.9
Aylmer West	5.1	5.4	5.3	0.0	5.2	12.0	10.3	0.0
Barrie	4.1	8.5	1.4	2.2	8.4	12.1	6.0	5.8
Belleville	7.8	0.0	4.3	0.0	0.0	8.2	28.3	18.1
Bolton	6.2	2.9	2.5	12.6	4.4	10.8	26.2	8.2
Bowmanville	3.5	1.2	1.2	7.9	11.3	11.1	14.6	11.5
Bracebridge	0.0	0.0	0.0	0.0	0.0	0.0	15.0	15.3
Bradford	14.4	10.8	3.7	8.1	7.3	10.7	7.5	4.1
Brampton	2.0	3.1	5.3	2.4	4.2	8.3	8.8	7.7
Brantford	0.9	3.7	1.8	3.8	1.8	16.0	17.8	8.1
Brockville	3.4	0.0	3.6	4.1	0.0	25.1	7.1	14.1
Burlington	7.6	3.7	20.6	11.0	11.1	29.8	19.1	9.1
Caledon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Caledonia	54.1	44.1	16.5	54.8	46.1	58.1	55.9	35.5
Cambridge	17.8	20.7	15.3	8.3	9.5	17.1	10.5	12.2
Carleton Place	5.5	6.5	0.0	0.0	5.7	30.7	26.7	29.4
Chatham	1.7	3.3	9.2	3.7	11.9	5.9	10.7	14.3
Cobourg	13.2	5.3	4.5	0.0	0.0	5.2	5.6	10.6
Collingwood	0.0	5.1	5.1	6.1	0.0	5.2	0.0	0.0
Concord	9.3	9.4	9.5	20.5	4.2	8.7	7.9	8.4
Cornwall	1.9	5.3	7.2	5.7	1.9	21.6	34.6	27.2
Cumberland	0.0	0.0	0.0	0.0	0.0	26.3	0.0	0.0
Delhi	12.0	0.0	13.3	0.0	0.0	12.0	0.0	11.5
Downsview	3.9	2.4	6.3	5.3	6.7	17.7	13.1	12.6
Dryden	9.7	0.0	0.0	0.0	0.0	0.0	30.9	51.0
Dunnville	14.8	8.0	40.3	46.9	25.0	41.4	33.6	0.0
East Gwillimbury	0.0	0.0	9.8	11.1	11.0	0.0	13.2	0.0
Elliot Lake	0.0	0.0	0.0	0.0	16.7	0.0	0.0	0.0
Elmira	8.2	0.0	0.0	0.0	0.0	0.0	33.6	7.7
Espanola	0.0	0.0	0.0	0.0	0.0	0.0	25.6	0.0
Essex	8.7	9.1	9.9	9.9	10.9	21.5	7.8	8.9
Etobicoke	5.2	3.1	2.5	4.6	4.0	14.4	9.1	9.9
Fergus	12.2	19.6	18.1	0.0	6.5	65.8	40.2	103.3
Fort Erie	135.8	165.5	163.4	100.0	94.0	46.4	14.4	6.5
Fort Frances	14.7	7.3	14.5	18.9	8.4	34.5	26.5	41.7
Gananoque	0.0	0.0	17.9	0.0	14.7	13.5	0.0	0.0
Garson	0.0	23.3	0.0	0.0	0.0	13.2	0.0	0.0
Georgetown	4.5	8.8	11.8	12.1	8.2	17.5	18.6	23.8
Goderich	0.0	8.1	0.0	10.3	10.2	9.9	21.5	34.9
Gravenhurst	14.1	0.0	0.0	11.6	0.0	43.5	23.5	0.0
Greely	41.7	0.0	14.1	0.0	0.0	0.0	23.3	24.7
Grimsby	14.5	18.3	10.6	14.4	20.1	49.5	26.7	8.7
Guelph	3.0	8.0	2.9	13.1	5.2	36.4	22.7	20.4
Hamilton	56.3	38.0	29.5	35.8	33.3	66.5	58.0	16.5
Hanmer	0.0	11.0	0.0	0.0	0.0	13.2	13.0	0.0
Hanover	0.0	0.0	0.0	0.0	12.7	0.0	0.0	13.5
Hawkesbury	0.0	0.0	8.5	9.5	0.0	17.9	0.0	28.8
Huntsville	0.0	0.0	0.0	8.9	0.0	0.0	8.0	7.8
Ingersoll	5.8	0.0	0.0	0.0	6.7	7.7	6.7	6.9
Innisfil	—	—	—	0.0	4.1	8.9	15.5	12.3
Kapuskasing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kenora	5.9	6.8	0.0	0.0	0.0	30.1	42.0	0.0
Keswick	6.1	10.1	10.0	6.5	12.4	24.0	21.4	6.4
Kincardine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6
King City	0.0	0.0	0.0	0.0	13.7	28.6	0.0	17.2
Kingston	2.6	0.8	1.7	3.6	4.2	17.5	18.2	10.0
Kingsville	0.0	7.6	0.0	0.0	0.0	7.0	33.3	7.2
Kirkland Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kitchener	13.1	15.8	6.0	3.7	2.4	17.2	9.8	7.1
Leamington	2.9	3.1	2.5	2.8	0.0	0.0	24.3	0.0
Lindsay	24.9	55.3	69.9	109.6	68.8	50.5	164.1	90.5
Listowel	0.0	0.0	0.0	18.5	0.0	0.0	30.8	15.4
Lively	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
London	3.7	5.3	14.7	5.4	7.3	19.5	10.9	5.4
Manotick	0.0	0.0	0.0	0.0	0.0	0.0	93.3	0.0
Maple	0.0	11.7	13.9	9.6	8.4	12.1	8.7	6.7
Markham	4.2	2.9	2.6	7.4	3.1	12.4	13.1	7.4
Meaford	0.0	0.0	0.0	21.7	0.0	0.0	43.5	0.0

**Birth Trauma, Injury to Neonate: Observed Rate by Municipality (per Thousand)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0
Milton	0.0	3.8	0.0	8.5	0.0	8.0	6.5	2.6
Mississauga	3.6	3.2	2.9	3.6	3.2	13.4	12.5	8.9
Napanee	0.0	0.0	6.8	7.5	7.7	0.0	15.3	0.0
Navan	0.0	21.3	0.0	0.0	0.0	0.0	18.5	0.0
New Hamburg	—	—	—	—	—	0.0	17.2	8.3
Newmarket	6.4	3.2	4.4	7.4	3.7	13.0	7.5	5.0
Niagara Falls	7.2	7.8	10.3	11.0	3.7	10.9	8.2	9.0
North Bay	0.0	1.7	3.9	0.0	0.0	15.3	12.5	0.0
North York	4.1	2.9	8.5	8.6	7.1	30.2	10.6	18.4
Oakville	5.6	9.5	5.1	5.1	8.0	7.0	4.3	4.9
Orangeville	6.8	0.0	6.7	12.4	4.5	14.3	7.1	20.2
Orillia	5.1	0.0	0.0	5.7	6.7	17.8	22.4	20.0
Oshawa	2.9	1.2	1.8	0.0	3.1	8.0	15.8	7.2
Ottawa	5.8	4.3	3.2	2.7	1.6	15.3	13.5	22.4
Owen Sound	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0
Paris	0.0	7.9	0.0	9.2	0.0	22.2	16.4	22.7
Parry Sound	0.0	0.0	0.0	0.0	0.0	9.8	7.4	17.1
Pembroke	0.0	6.8	8.0	0.0	0.0	26.4	8.1	4.1
Penetanguishene	0.0	12.5	0.0	8.3	9.2	10.4	7.5	0.0
Perth	8.2	7.4	8.7	0.0	0.0	9.1	0.0	11.8
Petawawa	0.0	4.3	0.0	0.0	0.0	9.6	10.8	14.2
Peterborough	2.4	1.3	2.5	1.4	1.4	35.9	17.4	13.1
Pickering	6.4	4.7	1.9	3.9	2.0	28.4	18.1	8.1
Port Colborne	263.2	264.2	269.0	312.1	265.4	124.1	13.9	0.0
Port Hope	0.0	0.0	7.7	0.0	0.0	6.3	24.6	22.4
Port Perry	65.0	48.4	90.1	113.4	34.5	45.0	72.7	137.3
Port Stanley	0.0	0.0	0.0	0.0	58.8	0.0	0.0	0.0
Renfrew	0.0	8.1	0.0	9.3	0.0	8.3	9.5	39.7
Richmond Hill	3.0	9.3	3.5	7.0	3.7	5.3	6.7	6.4
Rockland	15.6	0.0	0.0	0.0	11.2	0.0	0.0	7.0
Russell	0.0	13.7	0.0	0.0	0.0	16.1	0.0	15.6
Sarnia	0.0	1.4	4.9	0.0	1.5	1.7	6.4	3.1
Sault Ste. Marie	1.2	4.9	10.0	4.2	2.9	3.1	10.4	6.2
Scarborough	7.4	6.3	10.9	13.3	10.7	30.1	30.7	17.1
Simcoe	4.8	4.8	4.3	0.0	0.0	5.6	0.0	0.0
Sioux Lookout	0.0	0.0	0.0	0.0	14.3	15.6	0.0	0.0
Smiths Falls	0.0	0.0	0.0	0.0	0.0	0.0	11.9	6.3
St. Catharine	10.8	7.4	14.2	11.8	9.9	14.6	12.2	13.7
St. Mary's	0.0	0.0	17.5	11.0	0.0	0.0	27.0	10.4
St. Thomas	2.2	2.1	6.8	4.4	6.6	12.0	8.4	2.1
Stouffville	9.7	0.0	0.0	5.1	11.1	10.6	12.8	6.3
Stratford	7.8	0.0	3.0	2.8	2.5	8.7	8.1	5.8
Strathroy	0.0	5.2	4.7	16.3	0.0	16.0	5.5	15.5
Sturgeon	—	—	—	—	0.0	23.0	0.0	0.0
Sudbury	3.1	5.4	2.5	1.3	1.2	3.8	4.9	2.5
Thornhill	1.9	5.2	11.2	3.5	1.1	10.9	5.0	2.9
Thunder Bay	17.2	20.4	24.4	14.2	17.9	27.7	34.1	32.5
Tillsonburg	5.7	0.0	10.2	5.6	9.6	10.2	10.6	0.0
Timmins	2.4	2.2	10.3	5.2	0.0	9.1	2.7	74.4
Toronto	5.5	5.7	5.2	4.7	4.0	12.2	12.6	12.3
Trenton	6.0	0.0	0.0	0.0	0.0	7.8	33.9	13.1
Uxbridge	6.0	12.7	6.2	7.6	0.0	29.6	35.0	17.4
Val Caron	0.0	11.8	0.0	0.0	0.0	27.4	0.0	0.0
Wallaceburg	5.2	5.1	14.8	0.0	0.0	5.5	0.0	5.8
Wasaga Beach	—	—	—	—	—	—	0.0	0.0
Welland	276.6	271.3	263.9	246.8	258.9	125.7	18.8	9.6
Weston	5.7	6.3	4.1	3.7	6.2	14.5	8.1	7.9
Whitby	3.3	3.2	2.2	3.5	4.7	16.3	11.4	10.7
Willowdale	3.6	3.3	2.7	4.3	3.2	5.7	10.0	7.3
Windsor	2.8	2.9	4.6	6.7	4.5	20.5	10.0	9.7
Woodbridge	4.4	3.0	6.8	7.4	2.7	14.3	15.9	4.8
Woodstock	4.4	0.0	10.4	2.2	6.6	19.0	11.3	2.3
Rural	8.2	8.8	9.0	8.3	9.2	19.6	17.7	16.3
Other	15.5	13.0	10.0	11.2	5.8	13.9	13.9	5.2
<b>Ontario Average</b>	<b>9.2</b>	<b>8.7</b>	<b>8.9</b>	<b>8.9</b>	<b>8.0</b>	<b>18.6</b>	<b>16.3</b>	<b>12.4</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Obstetric Trauma, Vaginal with Instrument: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—		0.0	0.0	0.0
Ajax	—	—	—	—	—		141.5	139.1	64.8
Alliston	—	—	—	—	—		200.0	0.0	300.0
Amherstburg	—	—	—	—	—		57.1	64.5	40.0
Amprior	—	—	—	—	—		300.0	181.8	200.0
Aurora	—	—	—	—	—		130.4	78.4	111.1
Aylmer West	—	—	—	—	—		333.3	142.9	111.1
Barrie	—	—	—	—	—		47.6	112.8	118.8
Belleville	—	—	—	—	—		85.7	76.9	55.6
Bolton	—	—	—	—	—		137.3	102.0	122.0
Bowmanville	—	—	—	—	—		61.2	78.4	150.0
Bracebridge	—	—	—	—	—		—	0.0	428.6
Bradford	—	—	—	—	—		269.2	227.3	176.5
Brampton	—	—	—	—	—		47.2	70.9	79.9
Brantford	—	—	—	—	—		172.4	147.4	100.0
Brockville	—	—	—	—	—		125.0	62.5	90.9
Burlington	—	—	—	—	—		72.1	84.1	63.1
Caledon	—	—	—	—	—		—	0.0	—
Caledonia	—	—	—	—	—		272.7	76.9	62.5
Cambridge	—	—	—	—	—		41.7	113.2	107.7
Carleton Place	—	—	—	—	—		300.0	250.0	0.0
Chatham	—	—	—	—	—		258.1	62.5	40.0
Cobourg	—	—	—	—	—		136.4	71.4	52.6
Collingwood	—	—	—	—	—		66.7	0.0	333.3
Concord	—	—	—	—	—		71.4	32.3	64.5
Cornwall	—	—	—	—	—		16.7	0.0	0.0
Cumberland	—	—	—	—	—		—	0.0	—
Delhi	—	—	—	—	—		166.7	0.0	333.3
Downsview	—	—	—	—	—		43.5	88.0	84.2
Dryden	—	—	—	—	—		—	214.3	52.6
Dunnville	—	—	—	—	—		0.0	0.0	250.0
East Gwillimbury	—	—	—	—	—		200.0	222.2	0.0
Elliot Lake	—	—	—	—	—		—	500.0	—
Elmira	—	—	—	—	—		—	0.0	142.9
Espanola	—	—	—	—	—		—	0.0	—
Essex	—	—	—	—	—		250.0	52.6	117.6
Etobicoke	—	—	—	—	—		111.1	133.7	135.6
Fergus	—	—	—	—	—		0.0	0.0	71.4
Fort Erie	—	—	—	—	—		0.0	333.3	90.9
Fort Frances	—	—	—	—	—		125.0	62.5	76.9
Gananoque	—	—	—	—	—		142.9	200.0	166.7
Garson	—	—	—	—	—		—	0.0	—
Georgetown	—	—	—	—	—		87.0	14.9	87.7
Goderich	—	—	—	—	—		375.0	125.0	—
Gravenhurst	—	—	—	—	—		142.9	500.0	—
Greely	—	—	—	—	—		285.7	166.7	111.1
Grimsby	—	—	—	—	—		222.2	142.9	210.5
Guelph	—	—	—	—	—		127.5	94.3	191.5
Hamilton	—	—	—	—	—		134.8	124.4	151.9
Hanmer	—	—	—	—	—		0.0	125.0	0.0
Hanover	—	—	—	—	—		—	250.0	—
Hawkesbury	—	—	—	—	—		0.0	0.0	285.7
Huntsville	—	—	—	—	—		100.0	0.0	166.7
Ingersoll	—	—	—	—	—		76.9	90.9	153.8
Innisfil	—	—	—	—	—		0.0	55.6	173.9
Kapuskasing	—	—	—	—	—		500.0	142.9	—
Kenora	—	—	—	—	—		62.5	250.0	71.4
Keswick	—	—	—	—	—		212.1	125.0	156.3
Kincardine	—	—	—	—	—		—	83.3	125.0
King City	—	—	—	—	—		166.7	0.0	0.0
Kingston	—	—	—	—	—		105.7	127.8	129.5
Kingsville	—	—	—	—	—		117.6	230.8	58.8
Kirkland Lake	—	—	—	—	—		0.0	333.3	—
Kitchener	—	—	—	—	—		99.4	118.0	112.9
Leamington	—	—	—	—	—		111.1	125.0	43.5
Lindsay	—	—	—	—	—		—	0.0	0.0
Listowel	—	—	—	—	—		100.0	333.3	300.0
Lively	—	—	—	—	—		—	0.0	—
London	—	—	—	—	—		197.7	169.3	110.4
Manotick	—	—	—	—	—		—	125.0	166.7
Maple	—	—	—	—	—		78.4	52.6	74.5
Markham	—	—	—	—	—		122.6	119.6	122.2
Meaford	—	—	—	—	—		—	500.0	—

Obstetric Trauma, Vaginal with Instrument: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	—	—	—	—	—	0.0	0.0	55.6	
Milton	—	—	—	—	—	125.0	173.9	81.6	
Mississauga	—	—	—	—	—	84.1	96.7	116.8	
Napanee	—	—	—	—	—	71.4	83.3	—	
Navan	—	—	—	—	—	333.3	333.3	—	
New Hamburg	—	—	—	—	—	—	0.0	153.8	
Newmarket	—	—	—	—	—	189.9	119.4	89.7	
Niagara Falls	—	—	—	—	—	66.7	92.6	70.2	
North Bay	—	—	—	—	—	52.6	20.8	0.0	
North York	—	—	—	—	—	117.6	106.4	120.6	
Oakville	—	—	—	—	—	174.9	155.6	154.5	
Orangeville	—	—	—	—	—	48.8	85.7	57.7	
Orillia	—	—	—	—	—	117.6	195.1	35.7	
Oshawa	—	—	—	—	—	90.0	109.6	111.1	
Ottawa	—	—	—	—	—	120.9	147.2	136.3	
Owen Sound	—	—	—	—	—	125.0	222.2	125.0	
Paris	—	—	—	—	—	352.9	166.7	0.0	
Parry Sound	—	—	—	—	—	0.0	300.0	—	
Pembroke	—	—	—	—	—	88.2	100.0	43.5	
Penetanguishene	—	—	—	—	—	71.4	0.0	103.4	
Perth	—	—	—	—	—	—	230.8	83.3	
Petawawa	—	—	—	—	—	90.9	0.0	0.0	
Peterborough	—	—	—	—	—	88.2	83.3	101.4	
Pickering	—	—	—	—	—	134.0	103.1	53.1	
Port Colborne	—	—	—	—	—	71.4	90.9	0.0	
Port Hope	—	—	—	—	—	187.5	187.5	111.1	
Port Perry	—	—	—	—	—	181.8	111.1	0.0	
Port Stanley	—	—	—	—	—	—	0.0	—	
Renfrew	—	—	—	—	—	100.0	333.3	0.0	
Richmond Hill	—	—	—	—	—	49.8	100.8	60.3	
Rockland	—	—	—	—	—	384.6	125.0	117.6	
Russell	—	—	—	—	—	181.8	0.0	—	
Sarnia	—	—	—	—	—	62.5	200.0	148.1	
Sault Ste. Marie	—	—	—	—	—	73.2	222.2	279.1	
Scarborough	—	—	—	—	—	122.3	99.5	112.6	
Simcoe	—	—	—	—	—	0.0	0.0	250.0	
Sioux Lookout	—	—	—	—	—	222.2	333.3	—	
Smiths Falls	—	—	—	—	—	0.0	214.3	50.0	
St. Catharine	—	—	—	—	—	94.5	44.1	61.5	
St. Mary's	—	—	—	—	—	—	0.0	—	
St. Thomas	—	—	—	—	—	213.1	285.7	250.0	
Stouffville	—	—	—	—	—	52.6	0.0	153.8	
Stratford	—	—	—	—	—	0.0	0.0	0.0	
Strathroy	—	—	—	—	—	250.0	307.7	120.0	
Sturgeon	—	—	—	—	—	142.9	0.0	0.0	
Sudbury	—	—	—	—	—	116.3	56.6	93.0	
Thornhill	—	—	—	—	—	56.3	67.2	84.6	
Thunder Bay	—	—	—	—	—	193.9	164.4	253.7	
Tillsonburg	—	—	—	—	—	272.7	62.5	136.4	
Timmins	—	—	—	—	—	192.3	50.8	117.6	
Toronto	—	—	—	—	—	109.3	105.4	128.7	
Trenton	—	—	—	—	—	0.0	87.0	95.2	
Uxbridge	—	—	—	—	—	100.0	0.0	66.7	
Val Caron	—	—	—	—	—	—	0.0	—	
Wallaceburg	—	—	—	—	—	181.8	333.3	0.0	
Wasaga Beach	—	—	—	—	—	—	0.0	—	
Welland	—	—	—	—	—	27.0	73.2	85.7	
Weston	—	—	—	—	—	73.8	109.6	64.7	
Whitby	—	—	—	—	—	95.7	88.9	64.2	
Willowdale	—	—	—	—	—	77.4	67.1	110.5	
Windsor	—	—	—	—	—	82.7	79.1	92.3	
Woodbridge	—	—	—	—	—	76.3	85.4	58.8	
Woodstock	—	—	—	—	—	305.6	71.4	193.5	
Rural	—	—	—	—	—	127.0	109.1	100.6	
Other	—	—	—	—	—	135.6	108.6	116.1	
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>109.3</b>	<b>107.2</b>	<b>109.1</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Obstetric Trauma, Vaginal without Instrument: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—		0.0	50.0	0.0
Ajax	—	—	—	—	—		28.1	23.6	16.6
Alliston	—	—	—	—	—		74.6	40.8	82.2
Amherstburg	—	—	—	—	—		42.9	21.1	13.7
Arnprior	—	—	—	—	—		0.0	0.0	0.0
Aurora	—	—	—	—	—		49.4	32.5	16.1
Aylmer West	—	—	—	—	—		54.8	51.5	13.3
Barrie	—	—	—	—	—		20.2	16.4	11.7
Belleville	—	—	—	—	—		42.4	34.8	11.5
Bolton	—	—	—	—	—		34.0	14.2	18.3
Bowmanville	—	—	—	—	—		38.3	19.4	20.8
Bracebridge	—	—	—	—	—		27.8	29.4	62.5
Bradford	—	—	—	—	—		78.9	37.3	17.9
Brampton	—	—	—	—	—		18.0	25.0	22.8
Brantford	—	—	—	—	—		42.9	60.5	43.1
Brockville	—	—	—	—	—		71.4	33.3	16.8
Burlington	—	—	—	—	—		20.4	29.8	30.5
Caledon	—	—	—	—	—		0.0	0.0	0.0
Caledonia	—	—	—	—	—		78.4	74.1	83.3
Cambridge	—	—	—	—	—		19.2	19.5	32.2
Carleton Place	—	—	—	—	—		62.5	25.3	0.0
Chatham	—	—	—	—	—		38.7	38.5	23.5
Cobourg	—	—	—	—	—		10.2	36.4	24.4
Collingwood	—	—	—	—	—		0.0	44.0	50.6
Concord	—	—	—	—	—		19.2	32.5	9.3
Cornwall	—	—	—	—	—		20.2	21.6	4.1
Cumberland	—	—	—	—	—		0.0	0.0	55.6
Delhi	—	—	—	—	—		32.3	0.0	21.7
Downsview	—	—	—	—	—		17.4	12.4	16.9
Dryden	—	—	—	—	—		23.8	21.7	30.3
Dunnville	—	—	—	—	—		90.9	47.6	50.0
East Gwillimbury	—	—	—	—	—		23.3	24.4	25.6
Elliot Lake	—	—	—	—	—		69.0	45.5	0.0
Elmira	—	—	—	—	—		14.3	35.7	84.7
Espanola	—	—	—	—	—		0.0	0.0	0.0
Essex	—	—	—	—	—		0.0	57.7	54.5
Etobicoke	—	—	—	—	—		25.4	30.3	20.2
Fergus	—	—	—	—	—		41.7	59.5	34.1
Fort Erie	—	—	—	—	—		0.0	27.4	0.0
Fort Frances	—	—	—	—	—		51.3	103.4	0.0
Gananoque	—	—	—	—	—		0.0	55.6	60.6
Garson	—	—	—	—	—		0.0	0.0	28.6
Georgetown	—	—	—	—	—		9.3	10.1	19.4
Goderich	—	—	—	—	—		22.2	17.9	0.0
Gravenhurst	—	—	—	—	—		80.0	37.0	62.5
Greely	—	—	—	—	—		26.3	44.4	0.0
Grimsby	—	—	—	—	—		87.0	38.8	45.5
Guelph	—	—	—	—	—		37.3	37.0	26.9
Hamilton	—	—	—	—	—		45.2	30.7	31.0
Hanmer	—	—	—	—	—		14.5	0.0	0.0
Hanover	—	—	—	—	—		0.0	40.0	138.9
Hawkesbury	—	—	—	—	—		15.2	52.6	0.0
Huntsville	—	—	—	—	—		57.7	37.0	16.1
Ingersoll	—	—	—	—	—		31.7	10.4	0.0
Innisfil	—	—	—	—	—		0.0	41.7	17.4
Kapuskasing	—	—	—	—	—		28.6	0.0	38.5
Kenora	—	—	—	—	—		15.6	55.6	0.0
Keswick	—	—	—	—	—		43.2	21.4	0.0
Kincardine	—	—	—	—	—		74.1	161.3	0.0
King City	—	—	—	—	—		27.8	31.3	0.0
Kingston	—	—	—	—	—		31.6	27.1	15.1
Kingsville	—	—	—	—	—		80.6	93.8	86.2
Kirkland Lake	—	—	—	—	—		43.5	47.6	125.0
Kitchener	—	—	—	—	—		36.7	31.0	23.9
Leamington	—	—	—	—	—		117.3	111.7	93.3
Lindsay	—	—	—	—	—		47.2	45.9	89.1
Listowel	—	—	—	—	—		16.9	36.4	0.0
Lively	—	—	—	—	—		71.4	0.0	74.1
London	—	—	—	—	—		53.0	42.5	33.2
Manotick	—	—	—	—	—		0.0	0.0	26.3
Maple	—	—	—	—	—		14.0	11.2	28.2
Markham	—	—	—	—	—		41.5	35.4	29.0
Meaford	—	—	—	—	—		27.0	83.3	57.1

**Obstetric Trauma, Vaginal without Instrument: Observed Rate by Municipality (per Thousand)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—	75.0	29.4	78.4
Milton	—	—	—	—	—	23.8	53.2	24.4
Mississauga	—	—	—	—	—	20.2	23.0	26.4
Napanee	—	—	—	—	—	49.2	120.7	114.3
Navan	—	—	—	—	—	0.0	0.0	90.9
New Hamburg	—	—	—	—	—	76.9	0.0	18.9
Newmarket	—	—	—	—	—	82.1	28.8	30.2
Niagara Falls	—	—	—	—	—	9.0	35.3	11.8
North Bay	—	—	—	—	—	9.3	11.0	26.6
North York	—	—	—	—	—	37.7	34.6	37.9
Oakville	—	—	—	—	—	25.3	35.1	24.6
Orangeville	—	—	—	—	—	37.0	33.9	11.9
Orillia	—	—	—	—	—	31.7	40.2	21.9
Oshawa	—	—	—	—	—	33.1	25.6	20.0
Ottawa	—	—	—	—	—	38.7	46.1	38.2
Owen Sound	—	—	—	—	—	54.1	87.7	67.8
Paris	—	—	—	—	—	65.8	107.7	29.0
Parry Sound	—	—	—	—	—	22.2	20.0	92.6
Pembroke	—	—	—	—	—	20.6	38.0	29.0
Penetanguishene	—	—	—	—	—	85.7	22.2	142.9
Perth	—	—	—	—	—	0.0	17.2	29.4
Petawawa	—	—	—	—	—	0.0	31.3	38.5
Peterborough	—	—	—	—	—	58.8	43.4	34.7
Pickering	—	—	—	—	—	25.3	24.9	33.9
Port Colborne	—	—	—	—	—	63.5	33.9	17.2
Port Hope	—	—	—	—	—	31.7	22.7	22.7
Port Perry	—	—	—	—	—	40.8	39.2	39.2
Port Stanley	—	—	—	—	—	0.0	0.0	—
Renfrew	—	—	—	—	—	39.2	21.3	24.4
Richmond Hill	—	—	—	—	—	29.7	30.0	20.3
Rockland	—	—	—	—	—	47.6	35.1	27.8
Russell	—	—	—	—	—	28.6	38.5	30.3
Sarnia	—	—	—	—	—	46.7	46.0	48.1
Sault Ste. Marie	—	—	—	—	—	53.2	55.3	39.9
Scarborough	—	—	—	—	—	48.7	34.3	46.0
Simcoe	—	—	—	—	—	11.4	68.2	27.0
Sioux Lookout	—	—	—	—	—	34.5	35.7	37.0
Smiths Falls	—	—	—	—	—	26.3	98.8	31.3
St. Catharine	—	—	—	—	—	18.3	24.5	29.1
St. Mary's	—	—	—	—	—	0.0	48.8	22.7
St. Thomas	—	—	—	—	—	78.4	50.5	34.0
Stouffville	—	—	—	—	—	9.4	44.9	36.1
Stratford	—	—	—	—	—	56.8	36.1	31.3
Strathroy	—	—	—	—	—	41.7	11.9	26.3
Sturgeon	—	—	—	—	—	35.7	35.7	0.0
Sudbury	—	—	—	—	—	18.8	14.8	8.1
Thornhill	—	—	—	—	—	17.9	18.7	29.9
Thunder Bay	—	—	—	—	—	30.2	15.4	27.0
Tillsonburg	—	—	—	—	—	17.9	12.2	10.6
Timmins	—	—	—	—	—	16.8	63.4	45.0
Toronto	—	—	—	—	—	37.2	30.5	35.0
Trenton	—	—	—	—	—	20.8	28.6	49.1
Uxbridge	—	—	—	—	—	14.7	29.4	0.0
Val Caron	—	—	—	—	—	0.0	0.0	0.0
Wallaceburg	—	—	—	—	—	66.0	27.0	32.6
Wasaga Beach	—	—	—	—	—	—	0.0	83.3
Wells	—	—	—	—	—	35.1	40.2	35.2
Weston	—	—	—	—	—	21.4	26.4	35.4
Whitby	—	—	—	—	—	23.1	18.5	41.7
Willowdale	—	—	—	—	—	31.1	22.0	28.0
Windsor	—	—	—	—	—	32.9	33.1	31.3
Woodbridge	—	—	—	—	—	26.4	24.0	9.2
Woodstock	—	—	—	—	—	23.0	43.1	21.6
Rural	—	—	—	—	—	39.6	40.2	35.4
Other	—	—	—	—	—	24.7	28.8	27.7
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>34.5</b>	<b>32.8</b>	<b>30.7</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Obstetric Trauma, Cesarean Section: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—		0.0	0.0	0.0
Ajax	—	—	—	—	—		4.3	0.0	6.2
Alliston	—	—	—	—	—		26.3	0.0	50.0
Amherstburg	—	—	—	—	—		0.0	0.0	0.0
Arnprior	—	—	—	—	—		40.0	0.0	0.0
Aurora	—	—	—	—	—		19.0	8.5	7.4
Aylmer West	—	—	—	—	—		0.0	0.0	76.9
Barrie	—	—	—	—	—		16.2	16.0	7.6
Belleville	—	—	—	—	—		0.0	7.6	7.1
Bolton	—	—	—	—	—		8.5	8.5	0.0
Bowmanville	—	—	—	—	—		4.8	0.0	0.0
Bracebridge	—	—	—	—	—		0.0	0.0	0.0
Bradford	—	—	—	—	—		0.0	0.0	0.0
Brampton	—	—	—	—	—		2.8	4.2	2.2
Brantford	—	—	—	—	—		5.1	21.1	8.0
Brockville	—	—	—	—	—		14.3	27.0	13.3
Burlington	—	—	—	—	—		14.8	4.8	9.2
Caledon	—	—	—	—	—		0.0	0.0	0.0
Caledonia	—	—	—	—	—		0.0	54.1	0.0
Cambridge	—	—	—	—	—		3.1	2.7	8.3
Carleton Place	—	—	—	—	—		0.0	0.0	21.7
Chatham	—	—	—	—	—		12.8	18.0	0.0
Cobourg	—	—	—	—	—		0.0	17.5	0.0
Collingwood	—	—	—	—	—		0.0	25.6	0.0
Concord	—	—	—	—	—		0.0	0.0	15.2
Cornwall	—	—	—	—	—		0.0	0.0	0.0
Cumberland	—	—	—	—	—		0.0	0.0	111.1
Delhi	—	—	—	—	—		0.0	0.0	0.0
Downsview	—	—	—	—	—		8.5	3.2	1.8
Dryden	—	—	—	—	—		0.0	0.0	0.0
Dunnville	—	—	—	—	—		0.0	0.0	0.0
East Gwillimbury	—	—	—	—	—		0.0	0.0	0.0
Elliot Lake	—	—	—	—	—		0.0	0.0	0.0
Elmira	—	—	—	—	—		0.0	0.0	0.0
Espanola	—	—	—	—	—		0.0	0.0	0.0
Essex	—	—	—	—	—		0.0	0.0	0.0
Etobicoke	—	—	—	—	—		7.7	3.4	2.3
Fergus	—	—	—	—	—		0.0	0.0	20.4
Fort Erie	—	—	—	—	—		0.0	0.0	0.0
Fort Frances	—	—	—	—	—		0.0	0.0	0.0
Gananoque	—	—	—	—	—		66.7	55.6	71.4
Garson	—	—	—	—	—		0.0	0.0	0.0
Georgetown	—	—	—	—	—		0.0	8.5	17.2
Goderich	—	—	—	—	—		0.0	0.0	58.8
Gravenhurst	—	—	—	—	—		0.0	0.0	0.0
Greely	—	—	—	—	—		0.0	55.6	0.0
Grimsby	—	—	—	—	—		16.9	48.2	15.2
Guelph	—	—	—	—	—		16.4	6.4	5.8
Hamilton	—	—	—	—	—		8.7	6.0	25.3
Hanmer	—	—	—	—	—		0.0	0.0	0.0
Hanover	—	—	—	—	—		34.5	83.3	55.6
Hawkesbury	—	—	—	—	—		47.6	0.0	52.6
Huntsville	—	—	—	—	—		0.0	45.5	20.4
Ingersoll	—	—	—	—	—		0.0	40.0	0.0
Innisfil	—	—	—	—	—		0.0	12.8	15.4
Kapuskasing	—	—	—	—	—		0.0	0.0	0.0
Kenora	—	—	—	—	—		0.0	0.0	0.0
Keswick	—	—	—	—	—		0.0	0.0	0.0
Kincardine	—	—	—	—	—		0.0	0.0	0.0
King City	—	—	—	—	—		0.0	111.1	0.0
Kingston	—	—	—	—	—		31.0	35.5	24.6
Kingsville	—	—	—	—	—		0.0	0.0	0.0
Kirkland Lake	—	—	—	—	—		0.0	0.0	0.0
Kitchener	—	—	—	—	—		0.0	2.2	1.1
Leamington	—	—	—	—	—		0.0	9.9	0.0
Lindsay	—	—	—	—	—		0.0	0.0	0.0
Listowel	—	—	—	—	—		40.0	27.8	33.3
Lively	—	—	—	—	—		0.0	0.0	0.0
London	—	—	—	—	—		16.2	16.4	8.7
Manotick	—	—	—	—	—		0.0	0.0	0.0
Maple	—	—	—	—	—		4.8	8.9	0.0
Markham	—	—	—	—	—		2.2	10.1	1.7
Meaford	—	—	—	—	—		0.0	0.0	0.0

**Obstetric Trauma, Cesarean Section: Observed Rate by Municipality (per Thousand)**

Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Midland	—	—	—	—	—	28.6	0.0	0.0
Milton	—	—	—	—	—	32.3	0.0	5.3
Mississauga	—	—	—	—	—	5.2	5.5	3.5
Napanee	—	—	—	—	—	0.0	28.6	45.5
Navan	—	—	—	—	—	0.0	0.0	0.0
New Hamburg	—	—	—	—	—	0.0	29.4	0.0
Newmarket	—	—	—	—	—	7.4	5.5	0.0
Niagara Falls	—	—	—	—	—	0.0	0.0	6.1
North Bay	—	—	—	—	—	0.0	7.8	0.0
North York	—	—	—	—	—	0.0	8.3	0.0
Oakville	—	—	—	—	—	2.7	4.3	4.4
Orangeville	—	—	—	—	—	8.4	0.0	0.0
Orillia	—	—	—	—	—	0.0	6.8	0.0
Oshawa	—	—	—	—	—	2.3	4.2	2.2
Ottawa	—	—	—	—	—	6.7	14.1	13.8
Owen Sound	—	—	—	—	—	21.7	61.0	24.4
Paris	—	—	—	—	—	0.0	0.0	0.0
Parry Sound	—	—	—	—	—	0.0	24.4	0.0
Pembroke	—	—	—	—	—	0.0	19.2	31.7
Penetanguishene	—	—	—	—	—	0.0	0.0	0.0
Perth	—	—	—	—	—	0.0	35.7	0.0
Petawawa	—	—	—	—	—	0.0	20.8	46.5
Peterborough	—	—	—	—	—	14.8	9.8	5.4
Pickering	—	—	—	—	—	4.5	12.2	0.0
Port Colborne	—	—	—	—	—	0.0	0.0	0.0
Port Hope	—	—	—	—	—	0.0	0.0	0.0
Port Perry	—	—	—	—	—	0.0	0.0	0.0
Port Stanley	—	—	—	—	—	—	0.0	0.0
Renfrew	—	—	—	—	—	0.0	0.0	0.0
Richmond Hill	—	—	—	—	—	8.8	2.2	4.3
Rockland	—	—	—	—	—	74.1	0.0	0.0
Russell	—	—	—	—	—	0.0	0.0	0.0
Sarnia	—	—	—	—	—	0.0	0.0	0.0
Sault Ste. Marie	—	—	—	—	—	7.1	5.6	0.0
Scarborough	—	—	—	—	—	5.3	3.7	3.0
Simcoe	—	—	—	—	—	0.0	0.0	0.0
Sioux Lookout	—	—	—	—	—	0.0	0.0	0.0
Smiths Falls	—	—	—	—	—	0.0	0.0	0.0
St. Catharine	—	—	—	—	—	0.0	2.8	5.5
St. Mary's	—	—	—	—	—	0.0	62.5	0.0
St. Thomas	—	—	—	—	—	0.0	0.0	0.0
Stouffville	—	—	—	—	—	0.0	0.0	25.0
Stratford	—	—	—	—	—	14.9	0.0	0.0
Strathroy	—	—	—	—	—	21.3	0.0	18.2
Sturgeon	—	—	—	—	—	0.0	0.0	0.0
Sudbury	—	—	—	—	—	0.0	0.0	0.0
Thornhill	—	—	—	—	—	9.3	3.5	7.5
Thunder Bay	—	—	—	—	—	13.5	9.4	0.0
Tillsonburg	—	—	—	—	—	34.5	0.0	0.0
Timmins	—	—	—	—	—	0.0	0.0	0.0
Toronto	—	—	—	—	—	5.9	6.1	5.0
Trenton	—	—	—	—	—	0.0	24.1	0.0
Uxbridge	—	—	—	—	—	31.3	27.8	0.0
Val Caron	—	—	—	—	—	0.0	0.0	0.0
Wallaceburg	—	—	—	—	—	0.0	0.0	0.0
Wasaga Beach	—	—	—	—	—	—	0.0	0.0
Welland	—	—	—	—	—	6.6	0.0	6.3
Weston	—	—	—	—	—	0.0	2.6	5.0
Whitby	—	—	—	—	—	10.0	10.2	9.9
Willowdale	—	—	—	—	—	2.0	6.6	8.8
Windsor	—	—	—	—	—	0.0	6.2	3.9
Woodbridge	—	—	—	—	—	14.0	0.0	2.6
Woodstock	—	—	—	—	—	0.0	0.0	29.7
Rural	—	—	—	—	—	8.5	7.2	7.0
Other	—	—	—	—	—	11.1	11.8	9.0
<b>Ontario Average</b>	—	—	—	—	—	<b>6.6</b>	<b>7.2</b>	<b>6.5</b>

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )



Obstetric Trauma with 3rd Degree, Vaginal with Instrument: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Acton	—	—	—	—	—	0.0	0.0	0.0	
Ajax	—	—	—	—	—	141.5	147.8	74.1	
Alliston	—	—	—	—	—	300.0	0.0	300.0	
Amherstburg	—	—	—	—	—	57.1	161.3	120.0	
Amprior	—	—	—	—	—	300.0	272.7	200.0	
Aurora	—	—	—	—	—	152.2	117.6	148.1	
Aylmer West	—	—	—	—	—	400.0	142.9	111.1	
Barrie	—	—	—	—	—	57.1	120.3	128.7	
Belleville	—	—	—	—	—	85.7	102.6	55.6	
Bolton	—	—	—	—	—	156.9	122.4	122.0	
Bowmanville	—	—	—	—	—	61.2	137.3	150.0	
Bracebridge	—	—	—	—	—	—	0.0	428.6	
Bradford	—	—	—	—	—	307.7	272.7	176.5	
Brampton	—	—	—	—	—	58.1	78.4	88.7	
Brantford	—	—	—	—	—	258.6	168.4	100.0	
Brockville	—	—	—	—	—	125.0	62.5	90.9	
Burlington	—	—	—	—	—	81.7	92.9	76.6	
Caledon	—	—	—	—	—	—	0.0	—	
Caledonia	—	—	—	—	—	272.7	76.9	62.5	
Cambridge	—	—	—	—	—	41.7	122.6	128.2	
Carleton Place	—	—	—	—	—	300.0	250.0	43.5	
Chatham	—	—	—	—	—	290.3	62.5	40.0	
Cobourg	—	—	—	—	—	136.4	107.1	52.6	
Collingwood	—	—	—	—	—	133.3	0.0	333.3	
Concord	—	—	—	—	—	71.4	64.5	96.8	
Cornwall	—	—	—	—	—	16.7	85.1	31.3	
Cumberland	—	—	—	—	—	—	0.0	—	
Delhi	—	—	—	—	—	166.7	250.0	333.3	
Downsview	—	—	—	—	—	63.2	112.0	87.5	
Dryden	—	—	—	—	—	—	214.3	52.6	
Dunnville	—	—	—	—	—	0.0	0.0	250.0	
East Gwillimbury	—	—	—	—	—	200.0	444.4	100.0	
Elliot Lake	—	—	—	—	—	—	500.0	—	
Elmira	—	—	—	—	—	—	0.0	142.9	
Espanola	—	—	—	—	—	—	0.0	—	
Essex	—	—	—	—	—	312.5	52.6	117.6	
Etobicoke	—	—	—	—	—	144.7	148.9	161.1	
Fergus	—	—	—	—	—	0.0	66.7	142.9	
Fort Erie	—	—	—	—	—	105.3	333.3	90.9	
Fort Frances	—	—	—	—	—	125.0	62.5	76.9	
Gananoque	—	—	—	—	—	142.9	200.0	166.7	
Garson	—	—	—	—	—	—	0.0	—	
Georgetown	—	—	—	—	—	87.0	29.9	87.7	
Goderich	—	—	—	—	—	375.0	125.0	—	
Gravenhurst	—	—	—	—	—	142.9	500.0	—	
Greely	—	—	—	—	—	285.7	166.7	111.1	
Grimsby	—	—	—	—	—	222.2	142.9	210.5	
Guelph	—	—	—	—	—	127.5	122.6	202.1	
Hamilton	—	—	—	—	—	159.0	162.4	197.7	
Hanmer	—	—	—	—	—	0.0	250.0	166.7	
Hanover	—	—	—	—	—	—	375.0	—	
Hawkesbury	—	—	—	—	—	0.0	0.0	357.1	
Huntsville	—	—	—	—	—	100.0	0.0	166.7	
Ingersoll	—	—	—	—	—	76.9	90.9	153.8	
Innisfil	—	—	—	—	—	0.0	55.6	173.9	
Kapuskasing	—	—	—	—	—	666.7	142.9	—	
Kenora	—	—	—	—	—	62.5	250.0	71.4	
Keswick	—	—	—	—	—	242.4	187.5	187.5	
Kincardine	—	—	—	—	—	—	83.3	125.0	
King City	—	—	—	—	—	166.7	0.0	0.0	
Kingston	—	—	—	—	—	105.7	165.4	165.5	
Kingsville	—	—	—	—	—	117.6	307.7	58.8	
Kirkland Lake	—	—	—	—	—	0.0	333.3	—	
Kitchener	—	—	—	—	—	99.4	123.6	116.9	
Leamington	—	—	—	—	—	166.7	125.0	130.4	
Lindsay	—	—	—	—	—	—	0.0	0.0	
Listowel	—	—	—	—	—	100.0	333.3	300.0	
Lively	—	—	—	—	—	—	0.0	—	
London	—	—	—	—	—	206.4	182.1	131.9	
Manotick	—	—	—	—	—	—	125.0	166.7	
Maple	—	—	—	—	—	98.0	52.6	106.4	
Markham	—	—	—	—	—	126.4	134.1	138.9	
Meaford	—	—	—	—	—	—	500.0	—	

Obstetric Trauma with 3rd Degree, Vaginal with Instrument: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	—	—	—	—	—	0.0	0.0	55.6	
Milton	—	—	—	—	—	125.0	188.4	91.8	
Mississauga	—	—	—	—	—	111.1	118.5	133.5	
Napanee	—	—	—	—	—	71.4	83.3	—	
Navan	—	—	—	—	—	333.3	333.3	—	
New Hamburg	—	—	—	—	—	—	0.0	153.8	
Newmarket	—	—	—	—	—	215.2	134.3	153.8	
Niagara Falls	—	—	—	—	—	83.3	92.6	70.2	
North Bay	—	—	—	—	—	52.6	20.8	25.0	
North York	—	—	—	—	—	125.0	120.6	134.8	
Oakville	—	—	—	—	—	186.3	168.9	168.2	
Orangeville	—	—	—	—	—	73.2	85.7	57.7	
Orillia	—	—	—	—	—	117.6	195.1	35.7	
Oshawa	—	—	—	—	—	90.0	137.0	127.0	
Ottawa	—	—	—	—	—	132.2	152.7	146.9	
Owen Sound	—	—	—	—	—	125.0	222.2	125.0	
Paris	—	—	—	—	—	352.9	166.7	181.8	
Parry Sound	—	—	—	—	—	0.0	300.0	—	
Pembroke	—	—	—	—	—	88.2	100.0	43.5	
Penetanguishene	—	—	—	—	—	71.4	0.0	103.4	
Perth	—	—	—	—	—	—	230.8	83.3	
Petawawa	—	—	—	—	—	90.9	0.0	0.0	
Peterborough	—	—	—	—	—	102.9	104.2	130.4	
Pickering	—	—	—	—	—	134.0	103.1	61.9	
Port Colborne	—	—	—	—	—	71.4	90.9	0.0	
Port Hope	—	—	—	—	—	187.5	187.5	111.1	
Port Perry	—	—	—	—	—	181.8	111.1	0.0	
Port Stanley	—	—	—	—	—	—	0.0	—	
Renfrew	—	—	—	—	—	100.0	333.3	47.6	
Richmond Hill	—	—	—	—	—	58.8	116.9	69.0	
Rockland	—	—	—	—	—	461.5	125.0	117.6	
Russell	—	—	—	—	—	181.8	0.0	—	
Sarnia	—	—	—	—	—	62.5	200.0	148.1	
Sault Ste. Marie	—	—	—	—	—	122.0	240.7	279.1	
Scarborough	—	—	—	—	—	137.4	115.6	124.6	
Simcoe	—	—	—	—	—	0.0	0.0	250.0	
Sioux Lookout	—	—	—	—	—	222.2	333.3	—	
Smiths Falls	—	—	—	—	—	0.0	214.3	100.0	
St. Catharine	—	—	—	—	—	94.5	44.1	69.2	
St. Mary's	—	—	—	—	—	—	333.3	—	
St. Thomas	—	—	—	—	—	245.9	285.7	250.0	
Stouffville	—	—	—	—	—	52.6	0.0	230.8	
Stratford	—	—	—	—	—	0.0	0.0	34.5	
Strathroy	—	—	—	—	—	291.7	307.7	120.0	
Sturgeon	—	—	—	—	—	142.9	111.1	0.0	
Sudbury	—	—	—	—	—	116.3	56.6	93.0	
Thornhill	—	—	—	—	—	63.4	82.1	100.0	
Thunder Bay	—	—	—	—	—	204.1	164.4	253.7	
Tillsonburg	—	—	—	—	—	272.7	62.5	136.4	
Timmins	—	—	—	—	—	211.5	50.8	137.3	
Toronto	—	—	—	—	—	126.8	124.6	157.3	
Trenton	—	—	—	—	—	0.0	87.0	95.2	
Uxbridge	—	—	—	—	—	100.0	0.0	66.7	
Val Caron	—	—	—	—	—	—	0.0	—	
Wallaceburg	—	—	—	—	—	181.8	333.3	0.0	
Wasaga Beach	—	—	—	—	—	—	0.0	—	
Welland	—	—	—	—	—	27.0	73.2	85.7	
Weston	—	—	—	—	—	100.7	137.0	88.2	
Whitby	—	—	—	—	—	104.3	88.9	64.2	
Willowdale	—	—	—	—	—	96.8	76.2	127.9	
Windsor	—	—	—	—	—	109.2	116.8	133.6	
Woodbridge	—	—	—	—	—	106.9	91.5	70.6	
Woodstock	—	—	—	—	—	305.6	107.1	193.5	
Rural	—	—	—	—	—	137.1	126.2	114.7	
Other	—	—	—	—	—	146.9	108.6	116.1	
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>124.0</b>	<b>123.4</b>	<b>126.3</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Obstetric Trauma with 3rd Degree, Vaginal without Instrument: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Acton	—	—	—	—	—	0.0	83.3	0.0	
Ajax	—	—	—	—	—	28.1	26.0	23.7	
Alliston	—	—	—	—	—	74.6	51.0	82.2	
Amherstburg	—	—	—	—	—	42.9	21.1	13.7	
Arnprior	—	—	—	—	—	0.0	0.0	0.0	
Aurora	—	—	—	—	—	49.4	32.5	20.1	
Aylmer West	—	—	—	—	—	54.8	51.5	13.3	
Barrie	—	—	—	—	—	20.2	18.9	14.3	
Belleville	—	—	—	—	—	46.6	43.5	11.5	
Bolton	—	—	—	—	—	34.0	23.7	18.3	
Bowmanville	—	—	—	—	—	41.3	22.2	29.7	
Bracebridge	—	—	—	—	—	27.8	29.4	62.5	
Bradford	—	—	—	—	—	85.5	37.3	17.9	
Brampton	—	—	—	—	—	19.9	26.9	24.1	
Brantford	—	—	—	—	—	44.8	64.3	46.8	
Brockville	—	—	—	—	—	71.4	33.3	16.8	
Burlington	—	—	—	—	—	21.8	29.8	36.9	
Caledon	—	—	—	—	—	0.0	0.0	0.0	
Caledonia	—	—	—	—	—	98.0	74.1	83.3	
Cambridge	—	—	—	—	—	20.5	20.9	32.2	
Carleton Place	—	—	—	—	—	75.0	38.0	0.0	
Chatham	—	—	—	—	—	38.7	44.9	30.2	
Cobourg	—	—	—	—	—	20.4	36.4	24.4	
Collingwood	—	—	—	—	—	0.0	44.0	63.3	
Concord	—	—	—	—	—	19.2	32.5	9.3	
Cornwall	—	—	—	—	—	20.2	25.9	8.3	
Cumberland	—	—	—	—	—	0.0	0.0	55.6	
Delhi	—	—	—	—	—	32.3	0.0	21.7	
Downsview	—	—	—	—	—	24.8	13.5	20.0	
Dryden	—	—	—	—	—	23.8	21.7	30.3	
Dunnville	—	—	—	—	—	90.9	47.6	50.0	
East Gwillimbury	—	—	—	—	—	46.5	24.4	25.6	
Elliot Lake	—	—	—	—	—	69.0	45.5	0.0	
Elmira	—	—	—	—	—	28.6	35.7	84.7	
Espanola	—	—	—	—	—	0.0	0.0	0.0	
Essex	—	—	—	—	—	0.0	57.7	54.5	
Etobicoke	—	—	—	—	—	31.3	33.3	24.9	
Fergus	—	—	—	—	—	41.7	83.3	34.1	
Fort Erie	—	—	—	—	—	0.0	27.4	0.0	
Fort Frances	—	—	—	—	—	51.3	103.4	0.0	
Gananoque	—	—	—	—	—	23.3	55.6	90.9	
Garson	—	—	—	—	—	0.0	0.0	28.6	
Georgetown	—	—	—	—	—	14.0	10.1	24.3	
Goderich	—	—	—	—	—	22.2	17.9	0.0	
Gravenhurst	—	—	—	—	—	80.0	37.0	62.5	
Greely	—	—	—	—	—	26.3	44.4	0.0	
Grimsby	—	—	—	—	—	87.0	38.8	45.5	
Guelph	—	—	—	—	—	37.3	37.0	29.9	
Hamilton	—	—	—	—	—	50.1	42.3	39.4	
Hanmer	—	—	—	—	—	14.5	0.0	0.0	
Hanover	—	—	—	—	—	25.6	40.0	138.9	
Hawkesbury	—	—	—	—	—	15.2	52.6	0.0	
Huntsville	—	—	—	—	—	57.7	37.0	16.1	
Ingersoll	—	—	—	—	—	47.6	20.8	0.0	
Innisfil	—	—	—	—	—	8.3	41.7	17.4	
Kapuskasing	—	—	—	—	—	28.6	0.0	38.5	
Kenora	—	—	—	—	—	15.6	55.6	0.0	
Keswick	—	—	—	—	—	55.6	26.7	13.1	
Kincardine	—	—	—	—	—	74.1	161.3	0.0	
King City	—	—	—	—	—	27.8	31.3	0.0	
Kingston	—	—	—	—	—	33.3	30.3	25.7	
Kingsville	—	—	—	—	—	80.6	93.8	86.2	
Kirkland Lake	—	—	—	—	—	87.0	47.6	125.0	
Kitchener	—	—	—	—	—	38.0	32.3	26.5	
Leamington	—	—	—	—	—	122.4	111.7	93.3	
Lindsay	—	—	—	—	—	56.6	45.9	89.1	
Listowel	—	—	—	—	—	16.9	36.4	0.0	
Lively	—	—	—	—	—	71.4	0.0	74.1	
London	—	—	—	—	—	53.9	44.4	35.2	
Manotick	—	—	—	—	—	0.0	0.0	26.3	
Maple	—	—	—	—	—	16.3	15.7	32.9	
Markham	—	—	—	—	—	46.5	38.3	31.6	
Meaford	—	—	—	—	—	27.0	83.3	85.7	

Obstetric Trauma with 3rd Degree, Vaginal without Instrument: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	—	—	—	—	—	75.0	29.4	78.4	
Milton	—	—	—	—	—	23.8	56.5	24.4	
Mississauga	—	—	—	—	—	25.3	28.2	30.4	
Napanee	—	—	—	—	—	65.6	137.9	114.3	
Navan	—	—	—	—	—	40.0	0.0	90.9	
New Hamburg	—	—	—	—	—	76.9	0.0	18.9	
Newmarket	—	—	—	—	—	87.0	31.2	37.7	
Niagara Falls	—	—	—	—	—	9.0	35.3	11.8	
North Bay	—	—	—	—	—	9.3	16.5	37.2	
North York	—	—	—	—	—	46.6	37.0	37.9	
Oakville	—	—	—	—	—	31.4	41.9	26.8	
Orangeville	—	—	—	—	—	37.0	39.5	11.9	
Orillia	—	—	—	—	—	37.0	40.2	21.9	
Oshawa	—	—	—	—	—	33.1	28.5	27.2	
Ottawa	—	—	—	—	—	41.7	46.8	39.2	
Owen Sound	—	—	—	—	—	81.1	96.5	67.8	
Paris	—	—	—	—	—	65.8	107.7	29.0	
Parry Sound	—	—	—	—	—	22.2	20.0	111.1	
Pembroke	—	—	—	—	—	20.6	38.0	29.0	
Penetanguishene	—	—	—	—	—	85.7	44.4	142.9	
Perth	—	—	—	—	—	0.0	51.7	29.4	
Petawawa	—	—	—	—	—	0.0	31.3	38.5	
Peterborough	—	—	—	—	—	61.5	54.9	44.2	
Pickering	—	—	—	—	—	25.3	24.9	39.1	
Port Colborne	—	—	—	—	—	63.5	33.9	17.2	
Port Hope	—	—	—	—	—	31.7	22.7	22.7	
Port Perry	—	—	—	—	—	40.8	39.2	39.2	
Port Stanley	—	—	—	—	—	0.0	0.0	—	
Renfrew	—	—	—	—	—	39.2	21.3	24.4	
Richmond Hill	—	—	—	—	—	32.0	30.0	20.3	
Rockland	—	—	—	—	—	47.6	35.1	27.8	
Russell	—	—	—	—	—	57.1	38.5	30.3	
Sarnia	—	—	—	—	—	46.7	46.0	51.5	
Sault Ste. Marie	—	—	—	—	—	57.0	63.2	47.1	
Scarborough	—	—	—	—	—	50.7	38.2	51.0	
Simcoe	—	—	—	—	—	22.7	68.2	54.1	
Sioux Lookout	—	—	—	—	—	69.0	35.7	37.0	
Smiths Falls	—	—	—	—	—	78.9	98.8	31.3	
St. Catharine	—	—	—	—	—	19.7	27.3	29.1	
St. Mary's	—	—	—	—	—	0.0	48.8	45.5	
St. Thomas	—	—	—	—	—	83.3	50.5	34.0	
Stouffville	—	—	—	—	—	9.4	44.9	36.1	
Stratford	—	—	—	—	—	68.2	60.2	31.3	
Strathroy	—	—	—	—	—	41.7	11.9	26.3	
Sturgeon	—	—	—	—	—	35.7	71.4	0.0	
Sudbury	—	—	—	—	—	21.4	17.2	10.8	
Thornhill	—	—	—	—	—	23.0	21.0	32.0	
Thunder Bay	—	—	—	—	—	30.2	17.2	27.0	
Tillsonburg	—	—	—	—	—	17.9	24.4	10.6	
Timmins	—	—	—	—	—	16.8	70.4	45.0	
Toronto	—	—	—	—	—	43.1	34.4	40.3	
Trenton	—	—	—	—	—	20.8	28.6	49.1	
Uxbridge	—	—	—	—	—	14.7	29.4	0.0	
Val Caron	—	—	—	—	—	0.0	0.0	0.0	
Wallaceburg	—	—	—	—	—	66.0	45.0	43.5	
Wasaga Beach	—	—	—	—	—	—	0.0	125.0	
Wellsburg	—	—	—	—	—	39.5	40.2	35.2	
Weston	—	—	—	—	—	26.4	28.9	38.3	
Whitby	—	—	—	—	—	23.1	21.8	43.2	
Willowdale	—	—	—	—	—	32.3	26.9	33.6	
Windsor	—	—	—	—	—	39.6	39.4	41.0	
Woodbridge	—	—	—	—	—	26.4	25.6	10.8	
Woodstock	—	—	—	—	—	27.7	43.1	21.6	
Rural	—	—	—	—	—	42.8	45.5	39.4	
Other	—	—	—	—	—	28.2	32.2	31.2	
<b>Ontario Average</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>38.0</b>	<b>36.5</b>	<b>34.4</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )

Obstetric Trauma with 3rd Degree, Cesarean Section: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002		2002-2003	2003-2004	2004-2005
Acton	—	—	—	—	—		0.0	0.0	0.0
Ajax	—	—	—	—	—		4.3	0.0	6.2
Alliston	—	—	—	—	—		26.3	0.0	50.0
Amherstburg	—	—	—	—	—		0.0	0.0	0.0
Annprior	—	—	—	—	—		40.0	0.0	0.0
Aurora	—	—	—	—	—		19.0	8.5	7.4
Aylmer West	—	—	—	—	—		0.0	0.0	76.9
Barrie	—	—	—	—	—		16.2	16.0	7.6
Belleville	—	—	—	—	—		0.0	7.6	7.1
Bolton	—	—	—	—	—		8.5	8.5	0.0
Bowmanville	—	—	—	—	—		4.8	0.0	0.0
Bracebridge	—	—	—	—	—		0.0	0.0	0.0
Bradford	—	—	—	—	—		0.0	0.0	0.0
Brampton	—	—	—	—	—		2.8	4.2	2.2
Brantford	—	—	—	—	—		5.1	21.1	8.0
Brockville	—	—	—	—	—		14.3	27.0	13.3
Burlington	—	—	—	—	—		14.8	4.8	9.2
Caledon	—	—	—	—	—		0.0	0.0	0.0
Caledonia	—	—	—	—	—		0.0	54.1	0.0
Cambridge	—	—	—	—	—		3.1	2.7	8.3
Carleton Place	—	—	—	—	—		0.0	0.0	21.7
Chatham	—	—	—	—	—		12.8	18.0	0.0
Cobourg	—	—	—	—	—		0.0	17.5	0.0
Collingwood	—	—	—	—	—		0.0	25.6	0.0
Concord	—	—	—	—	—		0.0	0.0	15.2
Cornwall	—	—	—	—	—		0.0	0.0	0.0
Cumberland	—	—	—	—	—		0.0	0.0	111.1
Delhi	—	—	—	—	—		0.0	0.0	0.0
Downsview	—	—	—	—	—		8.5	3.2	1.8
Dryden	—	—	—	—	—		0.0	0.0	0.0
Dunnville	—	—	—	—	—		0.0	0.0	0.0
East Gwillimbury	—	—	—	—	—		0.0	0.0	0.0
Elliot Lake	—	—	—	—	—		0.0	0.0	0.0
Elmira	—	—	—	—	—		0.0	0.0	0.0
Espanola	—	—	—	—	—		0.0	0.0	0.0
Essex	—	—	—	—	—		0.0	0.0	0.0
Etobicoke	—	—	—	—	—		7.7	3.4	2.3
Fergus	—	—	—	—	—		0.0	0.0	20.4
Fort Erie	—	—	—	—	—		0.0	0.0	0.0
Fort Frances	—	—	—	—	—		0.0	0.0	0.0
Gananoque	—	—	—	—	—		66.7	55.6	71.4
Garson	—	—	—	—	—		0.0	0.0	0.0
Georgetown	—	—	—	—	—		0.0	8.5	17.2
Goderich	—	—	—	—	—		0.0	0.0	58.8
Gravenhurst	—	—	—	—	—		0.0	0.0	0.0
Greely	—	—	—	—	—		0.0	55.6	0.0
Grimsby	—	—	—	—	—		16.9	48.2	15.2
Guelph	—	—	—	—	—		16.4	6.4	5.8
Hamilton	—	—	—	—	—		8.7	6.0	25.3
Hanmer	—	—	—	—	—		0.0	0.0	0.0
Hanover	—	—	—	—	—		34.5	83.3	55.6
Hawkesbury	—	—	—	—	—		47.6	0.0	52.6
Huntsville	—	—	—	—	—		0.0	45.5	20.4
Ingersoll	—	—	—	—	—		0.0	40.0	0.0
Innisfil	—	—	—	—	—		0.0	12.8	15.4
Kapuskasing	—	—	—	—	—		0.0	0.0	0.0
Kenora	—	—	—	—	—		0.0	0.0	0.0
Keswick	—	—	—	—	—		0.0	0.0	0.0
Kincardine	—	—	—	—	—		0.0	0.0	0.0
King City	—	—	—	—	—		0.0	111.1	0.0
Kingston	—	—	—	—	—		31.0	35.5	24.6
Kingsville	—	—	—	—	—		0.0	0.0	0.0
Kirkland Lake	—	—	—	—	—		0.0	0.0	0.0
Kitchener	—	—	—	—	—		0.0	2.2	1.1
Leamington	—	—	—	—	—		0.0	9.9	0.0
Lindsay	—	—	—	—	—		0.0	0.0	0.0
Listowel	—	—	—	—	—		40.0	27.8	33.3
Lively	—	—	—	—	—		0.0	0.0	0.0
London	—	—	—	—	—		16.2	16.4	8.7
Manotick	—	—	—	—	—		0.0	0.0	0.0
Maple	—	—	—	—	—		4.8	8.9	0.0
Markham	—	—	—	—	—		2.2	10.1	1.7
Meaford	—	—	—	—	—		0.0	0.0	0.0

Obstetric Trauma with 3rd Degree, Cesarean Section: Observed Rate by Municipality (per Thousand)									
Municipality	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	
Midland	—	—	—	—	—	28.6	0.0	0.0	
Milton	—	—	—	—	—	32.3	0.0	5.3	
Mississauga	—	—	—	—	—	5.2	5.5	3.5	
Napanee	—	—	—	—	—	0.0	28.6	45.5	
Navan	—	—	—	—	—	0.0	0.0	0.0	
New Hamburg	—	—	—	—	—	0.0	29.4	0.0	
Newmarket	—	—	—	—	—	7.4	5.5	0.0	
Niagara Falls	—	—	—	—	—	0.0	0.0	6.1	
North Bay	—	—	—	—	—	0.0	7.8	0.0	
North York	—	—	—	—	—	0.0	8.3	0.0	
Oakville	—	—	—	—	—	2.7	4.3	4.4	
Orangeville	—	—	—	—	—	8.4	0.0	0.0	
Orillia	—	—	—	—	—	0.0	6.8	0.0	
Oshawa	—	—	—	—	—	2.3	4.2	2.2	
Ottawa	—	—	—	—	—	6.7	14.1	13.8	
Owen Sound	—	—	—	—	—	21.7	61.0	24.4	
Paris	—	—	—	—	—	0.0	0.0	0.0	
Parry Sound	—	—	—	—	—	0.0	24.4	0.0	
Pembroke	—	—	—	—	—	0.0	19.2	31.7	
Penetanguishene	—	—	—	—	—	0.0	0.0	0.0	
Perth	—	—	—	—	—	0.0	35.7	0.0	
Petawawa	—	—	—	—	—	0.0	20.8	46.5	
Peterborough	—	—	—	—	—	14.8	9.8	5.4	
Pickering	—	—	—	—	—	4.5	12.2	0.0	
Port Colborne	—	—	—	—	—	0.0	0.0	0.0	
Port Hope	—	—	—	—	—	0.0	0.0	0.0	
Port Perry	—	—	—	—	—	0.0	0.0	0.0	
Port Stanley	—	—	—	—	—	—	0.0	0.0	
Renfrew	—	—	—	—	—	0.0	0.0	0.0	
Richmond Hill	—	—	—	—	—	8.8	2.2	4.3	
Rockland	—	—	—	—	—	74.1	0.0	0.0	
Russell	—	—	—	—	—	0.0	0.0	0.0	
Sarnia	—	—	—	—	—	0.0	0.0	0.0	
Sault Ste. Marie	—	—	—	—	—	7.1	5.6	0.0	
Scarborough	—	—	—	—	—	5.3	3.7	3.0	
Simcoe	—	—	—	—	—	0.0	0.0	0.0	
Sioux Lookout	—	—	—	—	—	0.0	0.0	0.0	
Smiths Falls	—	—	—	—	—	0.0	0.0	0.0	
St. Catharine	—	—	—	—	—	0.0	2.8	5.5	
St. Mary's	—	—	—	—	—	0.0	62.5	0.0	
St. Thomas	—	—	—	—	—	0.0	0.0	0.0	
Stouffville	—	—	—	—	—	0.0	0.0	25.0	
Stratford	—	—	—	—	—	14.9	0.0	0.0	
Strathroy	—	—	—	—	—	21.3	0.0	18.2	
Sturgeon	—	—	—	—	—	0.0	0.0	0.0	
Sudbury	—	—	—	—	—	0.0	0.0	0.0	
Thornhill	—	—	—	—	—	9.3	3.5	7.5	
Thunder Bay	—	—	—	—	—	13.5	9.4	0.0	
Tillsonburg	—	—	—	—	—	34.5	0.0	0.0	
Timmins	—	—	—	—	—	0.0	0.0	0.0	
Toronto	—	—	—	—	—	5.9	6.1	5.0	
Trenton	—	—	—	—	—	0.0	24.1	0.0	
Uxbridge	—	—	—	—	—	31.3	27.8	0.0	
Val Caron	—	—	—	—	—	0.0	0.0	0.0	
Wallaceburg	—	—	—	—	—	0.0	0.0	0.0	
Wasaga Beach	—	—	—	—	—	—	0.0	0.0	
Welland	—	—	—	—	—	6.6	0.0	6.3	
Weston	—	—	—	—	—	0.0	2.6	5.0	
Whitby	—	—	—	—	—	10.0	10.2	9.9	
Willowdale	—	—	—	—	—	2.0	6.6	8.8	
Windsor	—	—	—	—	—	0.0	6.2	3.9	
Woodbridge	—	—	—	—	—	14.0	0.0	2.6	
Woodstock	—	—	—	—	—	0.0	0.0	29.7	
Rural	—	—	—	—	—	8.5	7.2	7.0	
Other	—	—	—	—	—	11.1	11.8	9.0	
<b>Ontario Average</b>	—	—	—	—	—	<b>6.6</b>	<b>7.2</b>	<b>6.5</b>	

Note: It is not possible to compare data from 1997-2001 with data from 2002-2004 because of the change in coding classification from ICD9CCP to ICD10CA in FY2002

"—" indicates either no data were available for that facility for that year, that the institution did not exist in that year, or that the data were censored to protect patient confidentiality (when the denominator for a given indicator  $\leq 5$ )