

Ontario Stroke Evaluation Report 2012

Prescribing System Solutions to Improve Stroke Outcomes

Supplementary Materials

Exhibit 1.2s

Age- and sex-adjusted rates of emergency department visits for adult stroke or transient ischemic attack patients¹ per 1,000 subLHIN population, in Ontario and by sub-Local Health Integration Network, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|---|---|--------------------------------|---------------------|---------------------|---------------------|
| | | Age- and Sex-Adjusted Rate (n) | | | |
| Provincial Rate² | | 2.0 (18,935) | 1.9 (19,461) | 1.9 (19,982) | 1.9 (19,686) |
| Standardized Rate³ | | 2.0 (18,935) | 1.8 (19,461) | 1.8 (19,982) | 1.7 (19,686) |
| Local Health Integration Network | Sub-Local Health Integration Network² | | | | |
| Erie St. Clair | Essex | 2.4 (724) | 2.4 (764) | 2.5 (810) | 2.3 (759) |
| Erie St. Clair | Chatham-Kent | 2.7 (259) | 2.3 (230) | 2.7 (272) | 2.6 (268) |
| Erie St. Clair | Lambton | 2.0 (246) | 1.9 (238) | 2.1 (272) | 1.9 (242) |
| South West | Bruce | 2.3 (150) | 2.2 (143) | 2.4 (161) | 1.8 (126) |
| South West | Grey | 2.1 (169) | 2.3 (199) | 2.3 (203) | 2.1 (186) |
| South West | Huron | 1.5 (93) | 2.1 (123) | 2.3 (142) | 2.2 (132) |
| South West | Perth | 1.8 (120) | 1.7 (116) | 1.8 (120) | 1.4 (102) |
| South West | Middlesex | 1.3 (447) | 1.6 (590) | 1.9 (697) | 1.8 (669) |
| South West | Oxford-Norfolk | 2.0 (207) | 2.0 (210) | 2.2 (231) | 2.1 (230) |
| South West | Elgin | 2.1 (141) | 2.3 (163) | 2.1 (148) | 2.2 (160) |
| Waterloo Wellington | Urban Waterloo & Rural Waterloo South | 2.1 (596) | 2.0 (622) | 2.1 (670) | 2.1 (680) |
| Waterloo Wellington | Urban Guelph | 1.5 (133) | 1.7 (168) | 1.7 (168) | 1.7 (172) |
| Waterloo Wellington | Rural Waterloo | 1.4 (49) | 1.3 (52) | 1.6 (63) | 1.7 (68) |
| Waterloo Wellington | Rural – South Grey & North Wellington | 2.8 (66) | 2.3 (58) | 2.0 (52) | 1.8 (51) |
| Waterloo Wellington | Rural Wellington | 1.6 (64) | 1.5 (67) | 1.9 (85) | 1.5 (71) |
| Hamilton Niagara Haldimand Brant | Brant & Brantford | 2.1 (223) | 2.2 (241) | 2.1 (239) | 2.2 (244) |
| Hamilton Niagara Haldimand Brant | New Credit & Six Nations | 4.5 (15) | 3.9 (13) | 3.6 (13) | 4.8 (13) |
| Hamilton Niagara Haldimand Brant | Haldimand & Norfolk | 2.4 (199) | 2.3 (194) | 2.3 (203) | 2.1 (188) |
| Hamilton Niagara Haldimand Brant | Burlington | 1.4 (202) | 1.5 (235) | 1.5 (249) | 1.4 (232) |
| Hamilton Niagara Haldimand Brant | East Niagara | 1.8 (195) | 1.7 (190) | 1.9 (212) | 2.1 (242) |
| Hamilton Niagara Haldimand Brant | North Niagara | 2.1 (357) | 2.1 (364) | 2.0 (356) | 2.0 (356) |
| Hamilton Niagara Haldimand Brant | South Niagara | 1.7 (152) | 1.9 (170) | 1.8 (167) | 2.1 (197) |
| Hamilton Niagara Haldimand Brant | West Niagara | 1.9 (94) | 1.5 (79) | 1.9 (101) | 1.7 (93) |
| Hamilton Niagara Haldimand Brant | Stoney Creek | 1.6 (85) | 1.5 (85) | 2.0 (113) | 1.9 (106) |
| Hamilton Niagara Haldimand Brant | Glanbrook | 1.5 (20) | 2.3 (31) | 2.1 (29) | 2.5 (35) |
| Hamilton Niagara Haldimand Brant | Ancaster | 2.0 (58) | 1.7 (52) | 1.2 (36) | 1.7 (54) |
| Hamilton Niagara Haldimand Brant | Flamborough | 1.2 (40) | 1.1 (38) | 1.1 (39) | 1.0 (37) |
| Hamilton Niagara Haldimand Brant | Dundas | 2.3 (48) | 2.7 (60) | 2.4 (54) | 2.1 (50) |
| Hamilton Niagara Haldimand Brant | Hamilton Urban Core | 3.0 (248) | 2.4 (205) | 2.2 (191) | 2.2 (199) |
| Hamilton Niagara Haldimand Brant | Hamilton Outer Core | 2.3 (455) | 2.1 (425) | 1.9 (407) | 2.1 (441) |
| Central West | Dufferin County | 3.2 (104) | 2.2 (79) | 1.7 (66) | 1.7 (68) |
| Central West | Malton (Mississauga) | 2.0 (43) | 1.8 (45) | 2.1 (55) | 2.2 (58) |
| Central West | Caledon | 1.5 (44) | 1.7 (60) | 1.6 (59) | 1.7 (69) |
| Central West | Brampton | 1.8 (361) | 2.0 (486) | 1.8 (457) | 1.9 (514) |
| Central West | Rexdale (Toronto) | 2.4 (219) | 1.9 (191) | 1.8 (193) | 1.6 (177) |

Exhibit 1.2s (continued)

Age- and sex-adjusted rates of emergency department visits for adult stroke or transient ischemic attack patients¹ per 1,000 subLHIN population, in Ontario and by sub-Local Health Integration Network, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|---|---|--------------------------------|---------------------|---------------------|---------------------|
| | | Age- and Sex-Adjusted Rate (n) | | | |
| Provincial Rate² | | 2.0 (18,935) | 1.9 (19,461) | 1.9 (19,982) | 1.9 (19,686) |
| Standardized Rate³ | | 2.0 (18,935) | 1.8 (19,461) | 1.8 (19,982) | 1.7 (19,686) |
| Local Health Integration Network | Sub-Local Health Integration Network² | | | | |
| Central West | Woodbridge (Vaughan) | 2.4 (35) | 2.1 (38) | 2.3 (43) | 2.3 (45) |
| Mississauga Halton | Milton | 1.3 (35) | 1.7 (58) | 2.0 (69) | 1.6 (54) |
| Mississauga Halton | Halton Hills | 1.9 (62) | 1.6 (59) | 1.7 (68) | 1.5 (62) |
| Mississauga Halton | Oakville | 1.6 (171) | 1.4 (177) | 1.4 (189) | 1.4 (200) |
| Mississauga Halton | Northwest Mississauga | 1.2 (201) | 1.2 (249) | 1.2 (268) | 1.1 (248) |
| Mississauga Halton | Southeast Mississauga | 2.1 (401) | 2.0 (437) | 1.9 (425) | 1.9 (430) |
| Mississauga Halton | South Etobicoke – Toronto | 2.3 (185) | 2.1 (185) | 2.5 (227) | 1.9 (179) |
| Toronto Central | West | 1.9 (221) | 1.9 (220) | 1.9 (238) | 2.0 (249) |
| Toronto Central | North West | 1.9 (309) | 2.0(328) | 1.7 (297) | 1.7 (288) |
| Toronto Central | South West | 1.6 (172) | 1.7 (194) | 1.8 (201) | 1.7 (197) |
| Toronto Central | North Toronto | 1.8 (412) | 1.7 (394) | 1.8 (426) | 1.5 (359) |
| Toronto Central | South East | 1.3 (130) | 1.5 (152) | 1.7 (184) | 1.5 (159) |
| Toronto Central | East | 2.1 (178) | 1.6 (139) | 1.8 (156) | 1.5 (128) |
| Toronto Central | North East | 1.8 (173) | 1.8 (171) | 1.6 (158) | 1.7 (164) |
| Central | South Simcoe & Northern York Region | 1.9 (128) | 1.9 (152) | 1.8 (144) | 1.6 (133) |
| Central | Central York Region | 2.3 (264) | 1.9 (265) | 1.8 (248) | 1.9 (281) |
| Central | Richmond Hill | 1.4 (132) | 1.9 (217) | 1.5 (172) | 1.5 (185) |
| Central | South West York Region | 1.4 (157) | 1.8 (239) | 1.7 (246) | 1.7 (236) |
| Central | North York West | 2.1 (380) | 1.9 (366) | 1.9 (381) | 2.0 (390) |
| Central | North York Central | 2.2 (448) | 1.7 (399) | 1.5 (363) | 1.8 (438) |
| Central | North York East | 1.5 (134) | 1.5 (153) | 1.4 (145) | 1.3 (129) |
| Central | Markham | 1.5 (224) | 1.4 (264) | 1.5 (284) | 1.4 (276) |
| Central East | North East Cluster | 2.1 (631) | 2.0 (633) | 2.1 (652) | 1.9 (645) |
| Central East | Durham Cluster | 2.0 (709) | 2.0 (812) | 2.3 (929) | 2.1 (853) |
| Central East | Scarborough Cluster | 1.9 (869) | 1.7 (840) | 1.6 (816) | 1.6 (809) |
| South East | Addington, North & Central Frontenac | 3.3 (33) | 2.1 (24) | 2.8 (28) | 1.7 (18) |
| South East | Belleville | 2.4 (116) | 2.3 (120) | 2.0 (108) | 1.5 (82) |
| South East | Brockville | 2.4 (100) | 2.6 (104) | 2.3 (93) | 2.4 (102) |
| South East | Central Hastings | 2.0 (41) | 1.7 (38) | 2.2 (49) | 2.6 (59) |
| South East | Gananoque, Leeds | 2.2 (33) | 1.0 (16) | 2.0 (31) | 1.2 (20) |
| South East | Kingston & Islands | 2.1 (222) | 1.6 (179) | 1.8 (210) | 1.8 (207) |
| South East | North Hastings | 2.6 (33) | 3.1 (40) | 2.0 (27) | 1.6 (21) |
| South East | Prince Edward County | 2.1 (65) | 1.9 (59) | 2.7 (79) | 2.0 (60) |
| South East | Quinte West, Brighton | 1.7 (80) | 1.8 (85) | 1.9 (90) | 2.2 (105) |
| South East | Rideau Lakes | 2.1 (25) | 2.7 (31) | 2.0 (25) | 2.8 (35) |

Exhibit 1.2s (continued)

Age- and sex-adjusted rates of emergency department visits for adult stroke or transient ischemic attack patients¹ per 1,000 subLHIN population, in Ontario and by sub-Local Health Integration Network, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|---|---|--------------------------------|---------------------|---------------------|---------------------|
| | | Age- and Sex-Adjusted Rate (n) | | | |
| Provincial Rate² | | 2.0 (18,935) | 1.9 (19,461) | 1.9 (19,982) | 1.9 (19,686) |
| Standardized Rate³ | | 2.0 (18,935) | 1.8 (19,461) | 1.8 (19,982) | 1.7 (19,686) |
| Local Health Integration Network | Sub-Local Health Integration Network² | | | | |
| South East | SE Leeds & Grenville | 2.3 (38) | 2.2 (38) | 2.3 (40) | 2.1 (36) |
| South East | Smiths Falls, Perth, Lanark | 3.8 (128) | 2.4 (84) | 2.0 (71) | 1.9 (71) |
| South East | South Frontenac | 2.1 (23) | 1.5 (21) | 1.1 (15) | 1.8 (21) |
| South East | Stone Mills Loyalist | 1.7 (30) | 1.5 (28) | 1.7 (34) | 1.9 (37) |
| South East | Tyendinaga Napanee | 1.6 (33) | 2.9 (60) | 1.7 (37) | 2.0 (45) |
| Champlain | Ottawa Centre | 2.1 (352) | 2.0 (375) | 1.8 (334) | 2.0 (367) |
| Champlain | Ottawa East | 1.8 (294) | 1.7 (293) | 1.7 (285) | 1.7 (299) |
| Champlain | Ottawa West | 2.2 (606) | 2.0 (587) | 1.9 (563) | 1.8 (550) |
| Champlain | Renfrew County | 2.8 (255) | 2.6 (243) | 2.8 (262) | 2.7 (252) |
| Champlain | North Lanark/North Grenville | 2.7 (99) | 2.1 (82) | 1.9 (72) | 1.7 (67) |
| Champlain | Eastern Counties | 2.2 (355) | 2.1 (365) | 2.2 (378) | 2.2 (380) |
| North Simcoe Muskoka | Collingwood & Area | 2.1 (108) | 1.7 (102) | 1.8 (100) | 2.1 (124) |
| North Simcoe Muskoka | Barrie & Area | 1.9 (254) | 2.0 (310) | 2.0 (319) | 1.9 (314) |
| North Simcoe Muskoka | Orillia & Area | 2.3 (119) | 2.0 (117) | 1.9 (109) | 2.0 (125) |
| North Simcoe Muskoka | Midland & Penetanguishene Area | 3.7 (157) | 2.0 (97) | 2.4 (118) | 2.2 (111) |
| North Simcoe Muskoka | Muskoka | 2.2 (131) | 1.9 (123) | 1.9 (124) | 1.7 (120) |
| North East | Algoma | 2.3 (266) | 2.2 (279) | 2.2 (264) | 1.9 (231) |
| North East | James & Hudson Bay Coasts | ** | 2.7 (7) | 4.2 (11) | 6.4 (16) |
| North East | Nipissing | 2.4 (180) | 2.4 (185) | 2.8 (206) | 2.1 (156) |
| North East | Parry Sound | 2.2 (97) | 2.0 (92) | 1.8 (84) | 2.1 (99) |
| North East | Manitoulin-Sudbury | 2.4 (390) | 2.2 (370) | 2.0 (340) | 2.0 (338) |
| North East | Timiskaming | 1.7 (55) | 2.2 (73) | 2.3 (75) | 2.4 (77) |
| North East | Cochrane | 2.8 (181) | 1.9 (123) | 2.1 (137) | 2.0 (130) |
| North West | Kenora | 2.7 (111) | 2.5 (106) | 2.5 (109) | 2.3 (96) |
| North West | Rainy River | 2.5 (49) | 3.0 (60) | 2.6 (53) | 2.2 (45) |
| North West | Thunder Bay District | 2.0 (37) | 3.3 (60) | 3.5 (62) | 2.3 (39) |
| North West | Thunder Bay City | 2.5 (282) | 2.1 (249) | 2.2 (258) | 2.5 (290) |

Data sources: Canadian Institute for Health Information, National Ambulatory Care Reporting System (NACRS), 2003/04–2010/11; Statistics Canada, Ontario intercensal population estimate, 2003.

Inclusion criteria: All patients aged ≥18 years with a diagnosis of stroke (ischemic or hemorrhagic) or transient ischemic attack.

Exclusion criteria: Patients with a scheduled emergency department visit.

¹ Based on unique patients (i.e., does not include multiple patient-visits).

² Age- and sex-adjusted rates using each year's Ontario population as the standard.

³ Age- and sex-adjusted rates using the 2003/04 Ontario population as the standard.

** Cell value suppressed for reasons of privacy and confidentiality.

Notes:

(1) Population-based analysis (i.e., the location of the patient's residence is used to report regional performance).

(2) Excludes patients with missing postal codes.

(3) Excludes all NACRS records with ICD codes that include the prefix "Q" (suspected, questionable diagnoses) starting in 2008/09.

(4) Indicates a significant difference from the provincial rate at the p<0.05 level.

Exhibit 1.4s-1

Number and percentage of adult stroke or transient ischemic attack patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|-----------------|---|----------------------------------|------------------------------|-----------------|------------|------------|------------|
| | | | | Patients, n (%) | | | |
| Ontario | | | | 18,961 | 19,477 | 20,003 | 19,703 |
| Institution No. | Institution (Site) | Local Health Integration Network | Ontario Stroke System Region | | | | |
| 1067 | Leamington District Memorial Hospital | Erie St. Clair | Southwest | 45 (53.6) | 63 (58.9) | 49 (57.0) | 37 (45.1) |
| 1079 | Windsor Regional Hospital (Metropolitan) | Erie St. Clair | Southwest | 102 (49.0) | 112 (48.1) | 121 (48.0) | 93 (44.1) |
| 1223 | Public General Hospital Society of Chatham | Erie St. Clair | Southwest | 114 (64.0) | 107 (57.2) | 135 (57.2) | 139 (57.7) |
| 1239 | Sydenham District Hospital | Erie St. Clair | Southwest | 25 (51.0) | 14 (46.7) | 14 (48.3) | 11 (34.4) |
| 3707 | Hotel-Dieu Grace Hospital (St. Joseph's) | Erie St. Clair | Southwest | 281 (63.7) | 268 (62.6) | 308 (65.0) | 317 (69.2) |
| 4415 | Bluewater Health (Sarnia) | Erie St. Clair | Southwest | 70 (36.8) | 84 (42.6) | 96 (43.4) | 103 (52.8) |
| 4418 | Bluewater Health (Petrolia) | Erie St. Clair | Southwest | 14 (40.0) | ** | ** | 8 (50.0) |
| 1030 | Grey Bruce Health Services (Lion's Head) | South West | South West | ** | ** | ** | ** |
| 1059 | St. Thomas-Elgin General Hospital | South West | Southwest | 51 (45.9) | 50 (42.7) | 51 (48.1) | 68 (49.6) |
| 1124 | Hanover & District Hospital | South West | Southwest | 14 (50.0) | 8 (25.0) | 9 (22.5) | 8 (32.0) |
| 1199 | Clinton Public Hospital | South West | Southwest | 9 (75.0) | ** | 8 (40.0) | 8 (42.1) |
| 1203 | South Huron Hospital | South West | Southwest | 12 (57.1) | 14 (35.9) | 9 (32.1) | 18 (56.3) |
| 1206 | Alexandra Marine & General Hospital | South West | Southwest | 8 (42.1) | 8 (26.7) | 15 (39.5) | 22 (38.6) |
| 1213 | Seaforth Community Hospital | South West | Southwest | ** | 9 (37.5) | 6 (26.1) | 7 (46.7) |
| 1217 | Wingham & District Hospital | South West | Southwest | 8 (34.8) | ** | 13 (36.1) | ** |
| 1497 | St. Joseph's Health Care, London | South West | Southwest | - | - | - | - |
| 1507 | Four Counties Health Services Corporation | South West | Southwest | 14 (45.2) | 8 (57.1) | 7 (38.9) | 7 (41.2) |
| 1515 | Strathroy Middlesex General Hospital | South West | Southwest | 26 (42.6) | 20 (50.0) | 36 (54.5) | 34 (46.6) |
| 1696 | Alexandra Hospital | South West | Southwest | 15 (51.7) | ** | 20 (54.1) | 13 (43.3) |
| 1709 | Tillsonburg District Memorial Hospital | South West | Southwest | 28 (43.1) | 35 (47.3) | 30 (41.1) | 30 (50.0) |
| 1716 | Woodstock General Hospital Trust | South West | Southwest | 37 (48.1) | 41 (50.6) | 34 (37.8) | 52 (49.1) |
| 1740 | Listowel Memorial Hospital | South West | Southwest | 12 (60.0) | 8 (44.4) | 7 (31.8) | 13 (54.2) |
| 1748 | St. Marys Memorial Hospital | South West | Southwest | ** | 6 (31.6) | ** | ** |
| 1754 | Stratford General Hospital | South West | Southwest | 51 (54.8) | 72 (70.6) | 59 (54.1) | 47 (56.0) |
| 3850 | London Health Sciences Centre (University) | South West | Southwest | 272 (58.4) | 377 (62.5) | 432 (61.9) | 376 (61.2) |
| 3907 | South Bruce Grey Health Centre (Kincardine) | South West | Southwest | 14 (48.3) | 7 (33.3) | 14 (48.3) | 11 (47.8) |
| 3944 | Grey Bruce Health Services (Owen Sound) | South West | Southwest | 79 (66.4) | 78 (61.4) | 71 (53.8) | 69 (53.1) |
| 4025 | Grey Bruce Health Services (Markdale) | South West | Southwest | 8 (44.4) | 11 (37.9) | 13 (40.6) | 7 (30.4) |
| 4027 | Grey Bruce Health Services (Meaford) | South West | Southwest | 8 (42.1) | 8 (34.8) | 7 (30.4) | 10 (58.8) |
| 4030 | Grey Bruce Health Services (Southampton) | South West | Southwest | 13 (61.9) | 13 (40.6) | 11 (34.4) | 8 (24.2) |
| 4033 | Grey Bruce Health Services (Wiarton) | South West | Southwest | 9 (37.5) | ** | 7 (36.8) | 6 (37.5) |
| 4036 | South Bruce Grey Health Centre (Durham) | South West | Southwest | 8 (50.0) | 10 (50.0) | ** | 6 (28.6) |
| 4039 | South Bruce Grey Health Centre (Walkerton) | South West | Southwest | 14 (35.9) | ** | 10 (31.3) | 8 (33.3) |
| 4042 | South Bruce Grey Health Centre (Chesley) | South West | Southwest | - | ** | ** | ** |
| 4379 | Grey Bruce Health Services (Tobermory) | South West | Southwest | - | - | - | - |
| 1905 | Cambridge Memorial Hospital | Waterloo Wellington | Central South | 74 (52.1) | 67 (47.9) | 76 (49.4) | 69 (48.6) |

Exhibit 1.4s-1 (continued)

Number and percentage of adult stroke or transient ischemic attack patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|-----------------|---|----------------------------------|------------------------------|-----------------|------------|------------|------------|
| | | | | Patients, n (%) | | | |
| Ontario | | | | 18,961 | 19,477 | 20,003 | 19,703 |
| Institution No. | Institution (Site) | Local Health Integration Network | Ontario Stroke System Region | | | | |
| 1921 | St. Mary's General Hospital | Waterloo Wellington | Central South | 114 (46.5) | 24 (16.7) | 23 (14.9) | 33 (22.1) |
| 1936 | Groves Memorial Community Hospital | Waterloo Wellington | Central South | 27 (50.9) | 26 (57.8) | 28 (47.5) | 22 (39.3) |
| 1946 | Guelph General Hospital | Waterloo Wellington | Central South | 73 (54.9) | 94 (61.0) | 88 (55.3) | 88 (61.5) |
| 3734 | Grand River Hospital Corp (Waterloo) | Waterloo Wellington | Central South | 170 (66.1) | 343 (77.3) | 362 (77.5) | 374 (76.3) |
| 4323 | North Wellington Health Care (Mount Forest) | Waterloo Wellington | Central South | 14 (50.0) | 13 (41.9) | - | 9 (50.0) |
| 4326 | North Wellington Health Care (Palmerston) | Waterloo Wellington | Central South | ** | ** | 7 (46.7) | ** |
| 1146 | Haldimand War Memorial Hospital | Hamilton Niagara Haldimand Brant | Central South | 18 (40.9) | 14 (41.2) | 12 (37.5) | 11 (35.5) |
| 1149 | West Haldimand General Hospital | Hamilton Niagara Haldimand Brant | Central South | 14 (36.8) | 22 (52.4) | 15 (41.7) | 21 (53.8) |
| 1160 | Joseph Brant Memorial Hospital | Hamilton Niagara Haldimand Brant | Central South | 114 (54.3) | 120 (54.1) | 152 (64.4) | 135 (57.7) |
| 1538 | West Lincoln Memorial Hospital | Hamilton Niagara Haldimand Brant | Central South | 18 (29.5) | 15 (31.3) | 20 (38.5) | 18 (32.7) |
| 1591 | Norfolk General Hospital | Hamilton Niagara Haldimand Brant | Central South | 63 (50.4) | 35 (37.6) | 53 (47.3) | 47 (49.0) |
| 1982 | Hamilton Health Sciences Corp (General) | Hamilton Niagara Haldimand Brant | Central South | 288 (62.6) | 341 (68.8) | 330 (69.6) | 369 (72.2) |
| 1983 | Hamilton Health Sciences Corp (Juravinski) | Hamilton Niagara Haldimand Brant | Central South | 98 (57.0) | 76 (55.5) | 87 (62.6) | 86 (56.6) |
| 1994 | Hamilton Health Sciences Corp (McMaster) | Hamilton Niagara Haldimand Brant | Central South | 77 (56.2) | 66 (62.9) | 65 (59.6) | 59 (60.2) |
| 2003 | St. Joseph's Health Care System (Hamilton) | Hamilton Niagara Haldimand Brant | Central South | 107 (51.7) | 85 (47.5) | 80 (46.2) | 116 (62.4) |
| 3644 | St. Joseph's Community Health Centre | Hamilton Niagara Haldimand Brant | Central South | - | - | - | - |
| 4210 | Niagara Health System (Fort Erie Douglas) | Hamilton Niagara Haldimand Brant | Central South | 17 (53.1) | 6 (26.1) | ** | - |
| 4213 | Niagara Health System (Greater Niagara) | Hamilton Niagara Haldimand Brant | Central South | 104 (60.8) | 206 (76.9) | 214 (68.8) | 257 (68.9) |
| 4219 | Niagara Health System (Port Colborne) | Hamilton Niagara Haldimand Brant | Central South | 19 (42.2) | ** | ** | - |
| 4224 | Niagara Health System (St. Catharines) | Hamilton Niagara Haldimand Brant | Central South | 204 (56.4) | 155 (53.1) | 142 (52.0) | 143 (59.1) |
| 4227 | Niagara Health System (Welland County) | Hamilton Niagara Haldimand Brant | Central South | 51 (52.6) | 58 (54.7) | 67 (55.4) | 68 (47.2) |
| 4627 | Niagara Health System (Ontario Street) | Hamilton Niagara Haldimand Brant | Central South | - | - | - | - |
| 4675 | Brant Community Healthcare System (Brantford) | Hamilton Niagara Haldimand Brant | Central South | 121 (51.5) | 169 (64.5) | 181 (65.6) | 157 (59.2) |
| 4680 | Brant Community Healthcare System (Willet) | Hamilton Niagara Haldimand Brant | Central South | - | - | - | - |
| 3684 | Headwaters Health Care Centre (Dufferin) | Central West | West GTA | 54 (40.0) | 64 (53.3) | 53 (53.0) | 59 (49.6) |
| 3929 | William Osler Health System (Etobicoke) | Central West | West GTA | 210 (62.3) | 137 (50.9) | 135 (49.3) | 147 (55.3) |
| 4016 | William Osler Health System (Brampton) | Central West | West GTA | 164 (52.6) | - | - | - |
| 4681 | William Osler Health System (Civic) | Central West | West GTA | - | 172 (50.0) | 187 (53.3) | 202 (48.8) |
| 3286 | Credit Valley Hospital | Mississauga Halton | West GTA | 86 (38.7) | 84 (28.8) | 93 (31.8) | 108 (41.9) |
| 3917 | Trillium Health Centre (Mississauga) | Mississauga Halton | West GTA | 366 (61.9) | 481 (69.5) | 495 (70.8) | 530 (71.5) |
| 3926 | Halton Healthcare Services Corp (Oakville) | Mississauga Halton | West GTA | 53 (30.8) | 79 (43.2) | 96 (47.3) | 86 (47.0) |
| 4019 | William Osler Health Centre (Georgetown) | Mississauga Halton | West GTA | 19 (35.8) | - | - | - |
| 4022 | Halton Healthcare Services Corp (Milton) | Mississauga Halton | West GTA | 17 (47.2) | 19 (28.8) | 32 (55.2) | 33 (56.9) |
| 4363 | Trillium Health Centre (West Toronto) | Mississauga Halton | West GTA | - | - | - | - |
| 4622 | Halton Healthcare Services Corp (Georgetown) | Mississauga Halton | West GTA | - | 26 (44.8) | 30 (48.4) | 21 (42.9) |
| 1302 | Toronto East General Hospital | Toronto Central | Toronto - Southeast | 186 (54.2) | 132 (55.0) | 155 (56.4) | 148 (57.8) |

Exhibit 1.4s-1 (continued)

Number and percentage of adult stroke or transient ischemic attack patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|-----------------|--|----------------------------------|------------------------------|-----------------|------------|------------|------------|
| | | | | Patients, n (%) | | | |
| Ontario | | | | 18,961 | 19,477 | 20,003 | 19,703 |
| Institution No. | Institution (Site) | Local Health Integration Network | Ontario Stroke System Region | | | | |
| 1423 | Mount Sinai Hospital | Toronto Central | Toronto - West | 78 (54.9) | 61 (45.5) | 55 (44.7) | 37 (36.3) |
| 1443 | St. Joseph's Health Centre | Toronto Central | Toronto - West | 165 (52.7) | 134 (49.3) | 154 (49.2) | 122 (49.8) |
| 1444 | St. Michael's Hospital | Toronto Central | Toronto - Southeast | 93 (55.7) | 176 (51.8) | 220 (59.1) | 228 (62.5) |
| 3910 | University Health Network | Toronto Central | Toronto - West | 242 (54.1) | 351 (59.6) | 344 (57.0) | 349 (58.6) |
| 3936 | Sunnybrook Health Sciences Centre | Toronto Central | Toronto - North & East | 195 (50.9) | 312 (58.9) | 340 (58.5) | 342 (61.7) |
| 4269 | Sunnybrook & Women's College HSC (Women's) | Toronto Central | Toronto - North & East | - | - | - | - |
| 4631 | Women's College Hospital | Toronto Central | Toronto - North & East | - | - | - | - |
| 1329 | North York General Hospital (Branson) | Central | Toronto - North & East | - | - | - | - |
| 1330 | North York General Hospital | Central | Toronto - North & East | 167 (54.2) | 163 (49.4) | 162 (55.3) | 178 (53.1) |
| 1343 | Humber River Regional Hospital (York-Finch) | Central | Toronto - West | 149 (63.1) | 106 (56.4) | 110 (61.1) | 131 (68.2) |
| 1817 | Stevenson Memorial Hospital, Alliston | Central | Central East | 26 (60.5) | 29 (64.4) | 32 (62.7) | 30 (54.5) |
| 2038 | Southlake Regional Health Centre | Central | Central East | 164 (52.7) | 159 (56.6) | 142 (51.3) | 161 (55.1) |
| 2046 | York Central Hospital | Central | Central East | 126 (47.4) | 264 (59.6) | 251 (61.7) | 255 (59.2) |
| 3587 | Markham Stouffville Hospital | Central | Central East | 127 (60.8) | 108 (49.1) | 97 (43.9) | 90 (45.0) |
| 3883 | Humber River Regional Hospital (Humber Memorial) | Central | Toronto - West | 169 (62.8) | 139 (60.7) | 126 (57.0) | 154 (64.4) |
| 4465 | Markham Stouffville Hospital (Uxbridge) | Central | Central East | 14 (38.9) | 32 (58.2) | 17 (41.5) | 23 (56.1) |
| 1597 | Campbellford Memorial Hospital | Central East | Central East | 24 (50.0) | 17 (44.7) | 22 (48.9) | 41 (68.3) |
| 1768 | Peterborough Regional Health Centre | Central East | Central East | 132 (44.0) | 230 (65.0) | 223 (62.3) | 207 (63.5) |
| 1893 | Ross Memorial Hospital | Central East | Central East | 61 (48.8) | 70 (60.9) | 66 (50.4) | 65 (57.5) |
| 3737 | Haliburton Highlands Health Services Corp (Haliburton) | Central East | Central East | ** | 6 (25.0) | 6 (31.6) | 12 (42.9) |
| 3860 | Northumberland Hills Hospital | Central East | Central East | 60 (58.8) | 58 (59.8) | 61 (56.0) | 58 (53.2) |
| 3932 | Lakeridge Health Corporation (Oshawa) | Central East | Central East | 157 (48.3) | 203 (55.5) | 266 (58.6) | 270 (60.8) |
| 3943 | Rouge Valley Health System (Centenary) | Central East | Toronto - Southeast | 155 (50.8) | 107 (48.9) | 115 (45.6) | 130 (52.0) |
| 4005 | Lakeridge Health Corporation (Port Perry) | Central East | Central East | 32 (49.2) | 15 (31.3) | 24 (42.1) | 11 (35.5) |
| 4008 | Lakeridge Health Corporation (Bowmanville) | Central East | Central East | 26 (29.5) | 42 (46.7) | 52 (53.6) | 37 (34.9) |
| 4014 | Rouge Valley Health System (Ajax) | Central East | Toronto - Southeast | 86 (54.4) | 135 (62.8) | 88 (49.2) | 105 (62.5) |
| 4152 | Scarborough Hospital (General) | Central East | Toronto - North & East | 245 (65.5) | 158 (57.7) | 128 (58.7) | 128 (54.0) |
| 4154 | Scarborough Hospital (Grace) | Central East | Toronto - North & East | 148 (63.8) | 120 (55.0) | 134 (63.2) | 110 (62.5) |
| 4191 | Haliburton Highlands Health Services Corp (Minden) | Central East | Central East | 9 (45.0) | ** | ** | 7 (41.2) |
| 1097 | Hotel Dieu Hospital (Kingston) | South East | South East | ** | - | - | - |
| 1100 | Kingston General Hospital | South East | South East | 280 (72.0) | 239 (72.6) | 260 (74.5) | 284 (78.9) |
| 1269 | Perth & Smiths Falls District Hospital (Smiths Falls) | South East | South East | 27 (51.9) | 22 (46.8) | 14 (48.3) | 18 (45.0) |
| 1273 | Brockville General Hospital | South East | South East | 62 (57.4) | 60 (48.4) | 55 (47.4) | 58 (52.3) |
| 1295 | Lennox & Addington County General Hospital | South East | South East | 18 (45.0) | 29 (53.7) | 19 (52.8) | 18 (54.5) |
| 3732 | Perth & Smiths Falls District (Perth) | South East | South East | 34 (39.5) | 20 (37.7) | 17 (43.6) | 11 (30.6) |
| 3988 | Quinte Healthcare Corporation (Belleville) | South East | South East | 77 (53.8) | 69 (51.9) | 72 (53.3) | 90 (67.7) |

Exhibit 1.4s-1 (continued)

Number and percentage of adult stroke or transient ischemic attack patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|-----------------|---|----------------------------------|------------------------------|-----------------|------------|------------|------------|
| | | | | Patients, n (%) | | | |
| Ontario | | | | 18,961 | 19,477 | 20,003 | 19,703 |
| Institution No. | Institution (Site) | Local Health Integration Network | Ontario Stroke System Region | | | | |
| 3991 | Quinte Healthcare Corporation (Bancroft) | South East | South East | 23 (53.5) | 13 (25.0) | 16 (44.4) | 13 (52.0) |
| 3992 | Quinte Healthcare Corporation (Picton) | South East | South East | 19 (38.0) | 17 (37.0) | 17 (27.4) | 7 (23.3) |
| 3994 | Quinte Healthcare Corporation (Trenton) | South East | South East | 36 (50.0) | 31 (49.2) | 43 (50.6) | 41 (42.7) |
| 4601 | Hotel Dieu Hospital (Kingston) | South East | South East | - | - | - | - |
| 1254 | Almonte General Hospital | Champlain | East - Champlain | 11 (68.8) | ** | 6 (40.0) | 7 (46.7) |
| 1256 | Carleton Place & District Memorial Hospital | Champlain | East - Champlain | 16 (48.5) | 8 (29.6) | 9 (36.0) | 10 (38.5) |
| 1284 | Kemptville District Hospital | Champlain | East - Champlain | 15 (38.5) | 8 (38.1) | ** | ** |
| 1657 | Children's Hospital of Eastern Ontario | Champlain | East - Champlain | - | - | - | - |
| 1661 | Hôpital Montfort | Champlain | East - Champlain | 95 (59.7) | 73 (53.3) | 88 (59.5) | 81 (50.6) |
| 1681 | Queensway-Carleton Hospital | Champlain | East - Champlain | 181 (53.6) | 84 (40.6) | 113 (50.9) | 101 (48.8) |
| 1777 | Hawkesbury & District General Hospital | Champlain | East - Champlain | 25 (49.0) | 35 (52.2) | 47 (69.1) | 46 (59.0) |
| 1799 | Arnprior & District Memorial Hospital | Champlain | East - Champlain | 7 (53.8) | 7 (33.3) | 11 (32.4) | 9 (36.0) |
| 1801 | St. Francis Memorial Hospital | Champlain | East - Champlain | 9 (29.0) | ** | ** | 10 (50.0) |
| 1803 | Deep River & District Hospital | Champlain | East - Champlain | ** | ** | ** | ** |
| 1804 | Pembroke Regional Hospital Inc. | Champlain | East - Champlain | 49 (42.6) | 66 (55.5) | 77 (61.1) | 76 (58.9) |
| 1813 | Renfrew Victoria Hospital | Champlain | East - Champlain | 25 (34.7) | 16 (31.4) | 16 (29.1) | 17 (36.2) |
| 1870 | Glengarry Memorial Hospital | Champlain | East - Champlain | 24 (82.8) | ** | 7 (46.7) | 13 (38.2) |
| 1885 | Winchester District Memorial Hospital | Champlain | East - Champlain | 20 (40.0) | 20 (46.5) | 22 (47.8) | 20 (58.8) |
| 4046 | Ottawa Hospital (Civic) | Champlain | East - Champlain | 297 (60.7) | 523 (71.4) | 528 (71.8) | 534 (72.9) |
| 4048 | Ottawa Hospital (General) | Champlain | East - Champlain | 224 (51.9) | 208 (56.1) | 134 (49.3) | 165 (56.9) |
| 4451 | Cornwall Community Hospital | Champlain | East - Champlain | 61 (44.9) | 64 (55.2) | 69 (51.1) | 69 (53.5) |
| 1825 | Royal Victoria Hospital of Barrie | North Simcoe Muskoka | Central East | 133 (52.8) | 233 (67.5) | 211 (65.7) | 208 (64.4) |
| 1833 | Collingwood General & Marine Hospital | North Simcoe Muskoka | Central East | 56 (50.5) | 44 (48.4) | 41 (46.6) | 56 (53.8) |
| 1844 | Georgian Bay General Hospital (Midland) | North Simcoe Muskoka | Central East | 66 (36.7) | 46 (47.9) | 67 (51.9) | 67 (55.4) |
| 1853 | Orillia Soldiers' Memorial Hospital | North Simcoe Muskoka | Central East | 75 (52.4) | 76 (58.9) | 59 (45.0) | 69 (46.0) |
| 4616 | Muskoka Algonquin Healthcare (Huntsville) | North Simcoe Muskoka | Central East | 35 (46.7) | 47 (62.7) | 44 (54.3) | 56 (67.5) |
| 4619 | Muskoka Algonquin Healthcare (Bracebridge) | North Simcoe Muskoka | Central East | 46 (51.7) | 43 (55.1) | 37 (52.1) | 36 (52.9) |
| 2057 | Blind River District Health Centre/Pavillon Santé | North East | Northeast | ** | ** | ** | ** |
| 2058 | St. Joseph's General Hospital | North East | Northeast | 29 (58.0) | 20 (51.3) | 17 (53.1) | 12 (42.9) |
| 2061 | Hornepayne Community Hospital | North East | Northeast | - | - | - | - |
| 2064 | Sault Area Hospital (Richards Landing) | North East | Northeast | ** | ** | ** | - |
| 2075 | Sault Area Hospital (Thessalon) | North East | Northeast | ** | - | ** | ** |
| 2076 | Lady Dunn Health Centre | North East | Northeast | ** | ** | ** | ** |
| 2078 | Lady Minto Hospital | North East | Northeast | ** | ** | ** | ** |
| 2082 | Hôpital Notre-Dame Hospital, Hearst | North East | Northeast | ** | ** | ** | 9 (40.9) |
| 2084 | Anson General Hospital | North East | Northeast | ** | ** | ** | ** |

Exhibit 1.4s-1 (continued)

Number and percentage of adult stroke or transient ischemic attack patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|-----------------|--|----------------------------------|------------------------------|-----------------|------------|------------|------------|
| | | | | Patients, n (%) | | | |
| Ontario | | | | 18,961 | 19,477 | 20,003 | 19,703 |
| Institution No. | Institution (Site) | Local Health Integration Network | Ontario Stroke System Region | | | | |
| 2088 | Sensenhrenner Hospital | North East | Northeast | 8 (44.4) | 6 (28.6) | 6 (35.3) | 6 (42.9) |
| 2090 | Bingham Memorial Hospital | North East | Northeast | ** | ** | ** | - |
| 2094 | Smooth Rock Falls Hospital | North East | Northeast | ** | - | - | - |
| 2121 | Manitoulin Health Centre (Little Current) | North East | Northeast | 15 (55.6) | 6 (31.6) | 8 (53.3) | 10 (41.7) |
| 2123 | Manitoulin Health Centre (Mindemoya) | North East | Northeast | 11 (55.0) | ** | ** | 6 (33.3) |
| 2126 | Mattawa General Hospital | North East | Northeast | ** | ** | ** | ** |
| 2173 | Services de santé de Chapleau Health Services | North East | Northeast | ** | - | ** | ** |
| 2174 | Espanola General Hospital | North East | Northeast | 10 (35.7) | 6 (31.6) | 10 (35.7) | ** |
| 2204 | Englehart & District Hospital | North East | Northeast | ** | ** | ** | ** |
| 2207 | Temiskaming Hospital | North East | Northeast | ** | 13 (31.7) | 12 (32.4) | 23 (46.9) |
| 2211 | Kirkland & District Hospital | North East | Northeast | 17 (50.0) | ** | ** | 10 (41.7) |
| 2812 | West Nipissing General Hospital | North East | Northeast | 19 (37.3) | 12 (31.6) | 16 (34.0) | 7 (30.4) |
| 3411 | North Bay General Hospital (Civic/St Joseph's) | North East | Northeast | 93 (62.4) | 97 (55.1) | 93 (56.0) | 100 (64.1) |
| 3414 | Timmins & District General Hospital | North East | Northeast | 55 (52.4) | 37 (58.7) | 52 (59.8) | 40 (63.5) |
| 3729 | West Parry Sound Health Centre | North East | Northeast | 19 (37.3) | 16 (43.2) | 21 (51.2) | 23 (53.5) |
| 4059 | Hôpital régional de Sudbury Regional Hospital (Laurentian) | North East | Northeast | 196 (61.3) | 208 (65.6) | 213 (76.1) | 183 (65.8) |
| 4407 | Sault Area Hospital (Sault Ste. Marie) | North East | Northeast | 82 (45.1) | 104 (52.5) | 111 (59.0) | 94 (56.3) |
| 4692 | Weeneebayko Area Health Authority (Moosonee) | North East | Northeast | - | - | - | - |
| 4698 | Weeneebayko Area Health Authority (Moose Factory) | North East | Northeast | - | - | ** | - |
| 4700 | Weeneebayko Area Health Authority (Fort Albany) | North East | Northeast | - | - | - | - |
| 4702 | Weeneebayko Area Health Authority (Attawapiskat) | North East | Northeast | - | ** | - | - |
| 2103 | Dryden Regional Health Centre | North West | Northwest | 13 (39.4) | 9 (60.0) | 15 (46.9) | 8 (40.0) |
| 2110 | Lake-of-the-Woods District Hospital | North West | Northwest | 29 (47.5) | 23 (46.9) | 23 (51.1) | 25 (62.5) |
| 2115 | Red Lake Margaret Cochenour Memorial Hospital | North West | Northwest | ** | ** | ** | ** |
| 2147 | Atikokan General Hospital | North West | Northwest | ** | 8 (47.1) | - | ** |
| 2148 | Riverside Health Care Facilities (Emo) | North West | Northwest | - | - | - | - |
| 2150 | Riverside Health Care Facilities (La Verendrye) | North West | Northwest | 14 (43.8) | 13 (40.6) | 22 (57.9) | 13 (46.4) |
| 2153 | Riverside Health Care Facilities (Rainy River) | North West | Northwest | - | ** | ** | ** |
| 2175 | Geraldton District Hospital | North West | Northwest | ** | - | - | - |
| 2176 | Manitouwadge General Hospital | North West | Northwest | - | ** | ** | - |
| 2177 | Wilson Memorial General Hospital | North West | Northwest | ** | - | ** | ** |
| 2178 | Nipigon District Memorial Hospital | North West | Northwest | ** | 9 (45.0) | ** | ** |
| 2180 | McCausland Hospital | North West | Northwest | ** | ** | ** | ** |
| 3853 | Thunder Bay Regional Health Sciences Centre | North West | Northwest | 130 (42.6) | 152 (53.3) | 185 (62.5) | 179 (55.6) |
| 4356 | Sioux Lookout Meno Ya Win Health Centre (Zone) | North West | Northwest | - | 8 (66.7) | ** | ** |

Exhibit 1.4s-1 (continued)

Number and percentage of adult stroke or transient ischemic attack patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 and 2008/09–2010/11

Data source: Canadian Institute for Health Information, National Ambulatory Care Reporting System (NACRS), 2003/04–2010/11.

Inclusion criteria: All patients aged ≥18 years discharged from an emergency department with a diagnosis of stroke (ischemic or hemorrhagic) or transient ischemic attack.

¹ Based on unique patients (i.e., does not include multiple patient-visits).

** Cell value suppressed for reasons of privacy and confidentiality.

Notes:

(1) Facility-based analysis (i.e., the location of the facility is used to report regional performance).

(2) Excludes all NACRS records with ICD codes that include the prefix "Q" (suspected, questionable diagnoses) starting in 2008/09.

(3) Cells in which there were no reported/available data are marked with a hyphen (-).

Exhibit 1.4s-2

Number and percentage of adult stroke or transient ischemic attack patients¹ transported to hospital by ambulance, in Ontario and by sub-Local Health Integration Network, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|---|---|-----------------|---------------|---------------|---------------|
| | | Patients, n (%) | | | |
| Ontario | | 18,961 | 19,477 | 20,003 | 19,703 |
| Local Health Integration Network | Sub-Local Health Integration Network | | | | |
| Erie St. Clair | Essex | 422 (58.3) | 441 (57.7) | 481 (59.3) | 454 (59.8) |
| Erie St. Clair | Chatham-Kent | 156 (60.2) | 121 (52.6) | 147 (54.0) | 144 (53.7) |
| Erie St. Clair | Lambton | 95 (38.3) | 103 (43.3) | 124 (45.3) | 123 (50.8) |
| South West | Bruce | 67 (44.7) | 50 (35.0) | 66 (41.3) | 58 (46.0) |
| South West | Grey | 95 (55.9) | 100 (50.0) | 82 (40.2) | 82 (44.1) |
| South West | Huron | 48 (51.1) | 48 (39.0) | 52 (36.9) | 59 (44.7) |
| South West | Perth | 58 (48.3) | 67 (58.3) | 46 (37.7) | 49 (48.0) |
| South West | Middlesex | 238 (53.1) | 339 (57.5) | 397 (57.0) | 379 (56.7) |
| South West | Oxford-Norfolk | 102 (49.0) | 105 (50.5) | 112 (48.9) | 119 (51.7) |
| South West | Elgin | 72 (51.1) | 80 (49.1) | 81 (54.7) | 82 (51.3) |
| Waterloo Wellington | Urban Waterloo & Rural Waterloo South | 338 (56.9) | 358 (57.2) | 387 (57.8) | 393 (57.8) |
| Waterloo Wellington | Urban Guelph | 67 (49.6) | 114 (67.9) | 102 (62.2) | 114 (66.3) |
| Waterloo Wellington | Rural Waterloo | 26 (52.0) | 30 (58.8) | 43 (66.2) | 45 (66.2) |
| Waterloo Wellington | Rural – South Grey & North Wellington | 35 (56.5) | 29 (44.6) | 24 (42.9) | 25 (49.0) |
| Waterloo Wellington | Rural Wellington | 33 (50.8) | 33 (47.8) | 38 (44.7) | 31 (43.7) |
| Hamilton Niagara Haldimand Brant | Brant & Brantford | 118 (52.9) | 143 (59.1) | 148 (62.2) | 136 (55.7) |
| Hamilton Niagara Haldimand Brant | New Credit & Six Nations | ** | 11 (84.6) | 8 (61.5) | 11 (84.6) |
| Hamilton Niagara Haldimand Brant | Haldimand & Norfolk | 97 (48.7) | 92 (47.2) | 103 (50.2) | 101 (53.7) |
| Hamilton Niagara Haldimand Brant | Burlington | 109 (54.0) | 122 (51.9) | 149 (60.6) | 135 (58.2) |
| Hamilton Niagara Haldimand Brant | East Niagara | 117 (60.0) | 114 (60.0) | 115 (54.2) | 148 (61.2) |
| Hamilton Niagara Haldimand Brant | North Niagara | 196 (54.9) | 211 (58.0) | 201 (56.5) | 216 (60.7) |
| Hamilton Niagara Haldimand Brant | South Niagara | 73 (48.0) | 91 (53.5) | 94 (56.3) | 96 (48.7) |
| Hamilton Niagara Haldimand Brant | West Niagara | 44 (46.8) | 43 (54.4) | 57 (55.9) | 47 (50.5) |
| Hamilton Niagara Haldimand Brant | Stoney Creek | 50 (58.8) | 48 (56.5) | 65 (58.0) | 72 (67.9) |
| Hamilton Niagara Haldimand Brant | Glanbrook | 10 (50.0) | 17 (54.8) | 18 (62.1) | 20 (57.1) |
| Hamilton Niagara Haldimand Brant | Ancaster | 29 (50.0) | 33 (63.5) | 20 (55.6) | 33 (61.1) |
| Hamilton Niagara Haldimand Brant | Flamborough | 20 (50.0) | 22 (62.9) | 27 (71.1) | 20 (54.1) |
| Hamilton Niagara Haldimand Brant | Dundas | 34 (70.8) | 39 (65.0) | 37 (67.3) | 35 (70.0) |
| Hamilton Niagara Haldimand Brant | Hamilton Urban Core | 141 (56.9) | 118 (57.6) | 122 (63.2) | 127 (63.8) |
| Hamilton Niagara Haldimand Brant | Hamilton Outer Core | 252 (55.4) | 253 (59.5) | 246 (60.6) | 291 (66.0) |
| Central West | Dufferin County | 44 (41.9) | 47 (59.5) | 34 (51.5) | 40 (58.8) |
| Central West | Malton (Mississauga) | 24 (55.8) | 25 (55.6) | 24 (43.6) | 29 (50.0) |
| Central West | Caledon | 17 (40.5) | 37 (62.7) | 36 (60.0) | 35 (50.7) |
| Central West | Brampton | 190 (52.6) | 251 (51.6) | 243 (52.8) | 264 (51.4) |
| Central West | Rexdale (Toronto) | 124 (56.6) | 91 (47.6) | 95 (49.5) | 99 (55.9) |
| Central West | Woodbridge (Vaughan) | 16 (44.4) | 19 (51.4) | 28 (63.6) | 28 (62.2) |

Exhibit 1.4s-2 (continued)

Number and percentage of adult stroke or transient ischemic attack patients¹ transported to hospital by ambulance, in Ontario and by sub-Local Health Integration Network, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|---|---|-----------------|---------------|---------------|---------------|
| | | Patients, n (%) | | | |
| Ontario | | 18,961 | 19,477 | 20,003 | 19,703 |
| Local Health Integration Network | Sub-Local Health Integration Network | | | | |
| Mississauga Halton | Milton | 17 (45.9) | 26 (44.8) | 33 (48.5) | 34 (63.0) |
| Mississauga Halton | Halton Hills | 28 (45.9) | 32 (53.3) | 40 (63.5) | 35 (56.5) |
| Mississauga Halton | Oakville | 65 (38.0) | 95 (53.7) | 109 (56.8) | 104 (52.0) |
| Mississauga Halton | Northwest Mississauga | 99 (49.5) | 102 (41.0) | 113 (42.3) | 127 (51.2) |
| Mississauga Halton | Southeast Mississauga | 208 (51.9) | 227 (52.1) | 238 (56.4) | 243 (56.5) |
| Mississauga Halton | South Etobicoke – Toronto | 106 (57.3) | 109 (58.9) | 134 (59.0) | 122 (68.2) |
| Toronto Central | West | 125 (56.6) | 127 (57.7) | 128 (54.2) | 143 (57.4) |
| Toronto Central | North West | 169 (54.7) | 189 (57.8) | 175 (59.3) | 175 (60.8) |
| Toronto Central | South West | 91 (52.9) | 113 (57.9) | 125 (59.2) | 101 (51.3) |
| Toronto Central | North Toronto | 256 (62.0) | 226 (57.5) | 237 (56.3) | 219 (61.0) |
| Toronto Central | South East | 78 (60.5) | 72 (47.4) | 100 (55.9) | 90 (56.6) |
| Toronto Central | East | 95 (53.4) | 70 (50.4) | 85 (54.1) | 75 (58.6) |
| Toronto Central | North East | 112 (64.7) | 99 (57.9) | 103 (64.0) | 100 (61.0) |
| Central | South Simcoe & Northern York Region | 67 (52.8) | 100 (66.2) | 85 (60.3) | 86 (64.7) |
| Central | Central York Region | 136 (51.5) | 156 (58.6) | 139 (56.0) | 164 (58.4) |
| Central | Richmond Hill | 61 (46.2) | 96 (44.2) | 76 (43.9) | 87 (47.0) |
| Central | South West York Region | 66 (42.3) | 129 (53.8) | 120 (50.0) | 131 (55.5) |
| Central | North York West | 232 (61.1) | 218 (59.7) | 217 (56.7) | 235 (60.3) |
| Central | North York Central | 255 (56.8) | 245 (61.4) | 227 (62.0) | 270 (61.6) |
| Central | North York East | 72 (53.7) | 83 (54.2) | 84 (58.3) | 71 (55.0) |
| Central | Markham | 116 (52.0) | 145 (55.1) | 154 (55.4) | 138 (50.0) |
| Central East | North East Cluster | 303 (48.2) | 378 (59.9) | 362 (55.6) | 378 (58.6) |
| Central East | Durham Cluster | 322 (45.4) | 433 (53.3) | 477 (51.6) | 455 (53.3) |
| Central East | Scarborough Cluster | 495 (56.9) | 464 (55.2) | 469 (57.2) | 493 (60.9) |
| South East | Addington, North & Central Frontenac | 22 (66.7) | 15 (62.5) | 22 (81.5) | 16 (88.9) |
| South East | Belleville | 65 (56.0) | 68 (56.7) | 62 (56.9) | 55 (67.1) |
| South East | Brockville | 60 (60.0) | 55 (52.9) | 46 (50.0) | 59 (57.8) |
| South East | Central Hastings | 22 (52.4) | 19 (52.8) | 30 (60.0) | 39 (66.1) |
| South East | Gananoque, Leeds | 21 (63.6) | 11 (68.8) | 22 (71.0) | 14 (70.0) |
| South East | Kingston & Islands | 130 (58.6) | 110 (61.5) | 124 (59.3) | 146 (70.5) |
| South East | North Hastings | 21 (61.8) | 11 (26.8) | 10 (43.5) | 14 (66.7) |
| South East | Prince Edward County | 32 (49.2) | 26 (44.1) | 27 (34.6) | 26 (43.3) |
| South East | Quinte West, Brighton | 44 (56.4) | 46 (54.8) | 49 (55.7) | 56 (53.3) |
| South East | Rideau Lakes | 15 (60.0) | 20 (64.5) | 16 (61.5) | 22 (62.9) |
| South East | SE Leeds & Grenville | 25 (65.8) | 22 (57.9) | 19 (47.5) | 21 (58.3) |
| South East | Smiths Falls, Perth, Lanark | 69 (53.9) | 43 (53.1) | 36 (52.9) | 30 (42.3) |

Exhibit 1.4s-2 (continued)

Number and percentage of adult stroke or transient ischemic attack patients¹ transported to hospital by ambulance, in Ontario and by sub-Local Health Integration Network, 2003/04 and 2008/09–2010/11

| Group/Subgroup | | 2003/04 | 2008/09 | 2009/10 | 2010/11 |
|---|---|-----------------|---------------|---------------|---------------|
| | | Patients, n (%) | | | |
| Ontario | | 18,961 | 19,477 | 20,003 | 19,703 |
| Local Health Integration Network | Sub-Local Health Integration Network | | | | |
| South East | South Frontenac | 12 (52.2) | 7 (33.3) | 8 (53.3) | 15 (71.4) |
| South East | Stone Mills, Loyalist | 16 (53.3) | 19 (67.9) | 22 (62.9) | 24 (64.9) |
| South East | Tyendinaga, Napanee | 20 (60.6) | 35 (58.3) | 20 (52.6) | 25 (55.6) |
| Champlain | Ottawa Centre | 205 (58.2) | 224 (59.7) | 193 (58.3) | 239 (65.1) |
| Champlain | Ottawa East | 152 (51.7) | 168 (57.3) | 161 (56.5) | 177 (59.2) |
| Champlain | Ottawa West | 323 (53.3) | 350 (59.6) | 344 (61.0) | 335 (60.9) |
| Champlain | Renfrew County | 108 (42.9) | 117 (48.8) | 128 (49.0) | 137 (54.4) |
| Champlain | North Lanark/North Grenville | 48 (47.5) | 36 (44.4) | 41 (54.7) | 30 (44.8) |
| Champlain | Eastern Counties | 190 (53.5) | 213 (58.4) | 242 (63.9) | 217 (57.1) |
| North Simcoe Muskoka | Collingwood & Area | 57 (50.9) | 54 (54.0) | 57 (55.3) | 70 (56.5) |
| North Simcoe Muskoka | Barrie & Area | 142 (55.7) | 189 (61.4) | 192 (59.6) | 172 (54.8) |
| North Simcoe Muskoka | Orillia & Area | 60 (50.4) | 72 (61.5) | 57 (51.8) | 69 (55.2) |
| North Simcoe Muskoka | Midland & Penetanguishene Area | 49 (31.4) | 51 (52.6) | 60 (50.8) | 61 (55.0) |
| North Simcoe Muskoka | Muskoka | 66 (50.8) | 70 (56.9) | 65 (52.4) | 70 (58.3) |
| North East | Algoma | 124 (46.6) | 136 (48.7) | 146 (55.3) | 124 (53.7) |
| North East | James & Hudson Bay Coasts | ** | ** | ** | ** |
| North East | Nipissing | 90 (50.0) | 93 (50.3) | 104 (50.5) | 87 (55.8) |
| North East | Parry Sound | 49 (50.0) | 50 (54.3) | 52 (61.2) | 60 (60.6) |
| North East | Manitoulin-Sudbury | 228 (58.5) | 223 (60.3) | 230 (67.6) | 204 (60.4) |
| North East | Timiskaming | 25 (45.5) | 22 (30.1) | 29 (38.7) | 34 (44.2) |
| North East | Cochrane | 82 (45.3) | 54 (43.9) | 65 (47.4) | 60 (46.2) |
| North West | Kenora | 49 (44.1) | 56 (52.8) | 60 (55.0) | 56 (58.3) |
| North West | Rainy River | 18 (36.7) | 28 (46.7) | 28 (52.8) | 16 (35.6) |
| North West | Thunder Bay District | 12 (32.4) | 23 (38.3) | 24 (38.7) | 13 (33.3) |
| North West | Thunder Bay City | 119 (42.2) | 128 (51.4) | 156 (60.5) | 155 (53.4) |

Data source: Canadian Institute for Health Information, National Ambulatory Care Reporting System (NACRS), 2003/04–2010/11.

Inclusion criteria: All patients aged ≥18 years discharged from an emergency department with a diagnosis of stroke (ischemic or hemorrhagic) or transient ischemic attack.

¹ Based on unique patients (i.e., does not include multiple patient-visits).

** Cell value suppressed for reasons of privacy and confidentiality.

Notes:

(1) Population-based analysis (i.e., the location of the patient's residence is used to report regional performance).

(2) Excludes all NACRS records with ICD codes that include the prefix "Q" (suspected, questionable diagnoses) starting in 2008/09.

Exhibit 1.5s

Number and percentage of adult stroke or transient ischemic attack patients who sought medical attention within the treatment window¹, in Ontario and by sub-Local Health Integration Network, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | 2002/03 | 2004/05 | 2008/09 | 2010/11 |
|---|-------------------------------------|---------------------|---------------------|---------------------|---------------------|
| | | Patients, n (%) | | | |
| Ontario | | 8,428 (34.0) | 7,895 (34.1) | 7,863 (35.2) | 8,197 (42.3) |
| Local Health Integration Network | SubLHIN² | | | | |
| Central | Central York Region | 104 (45.2) | 34 (13.2) | 136 (38.6) | 122 (41.7) |
| Central | Markham | 109 (33.7) | 75 (24.1) | 80 (29.5) | 90 (35.8) |
| Central | North York Central | 185 (32.9) | 151 (28.0) | 129 (26.4) | 155 (34.9) |
| Central | North York East | 55 (31.6) | 71 (31.3) | 70 (42.5) | 53 (41.4) |
| Central | North York West | 151 (30.4) | 155 (32.1) | 127 (28.6) | 103 (27.3) |
| Central | Richmond Hill | 90 (52.6) | 58 (32.8) | 52 (26.7) | 54 (34.6) |
| Central | South Simcoe & Northern York Region | 25 (13.7) | 47 (23.3) | 44 (20.9) | 66 (46.9) |
| Central | South West York Region | 37 (17.1) | 103 (41.5) | 79 (24.8) | 82 (36.9) |
| Central East | Durham Cluster | 271 (31.1) | 292 (33.1) | 250 (30.0) | 316 (38.5) |
| Central East | North East Cluster | 321 (36.4) | 277 (37.3) | 293 (40.5) | 293 (43.9) |
| Central East | Scarborough Cluster | 383 (34.6) | 255 (23.8) | 292 (28.3) | 272 (35.4) |
| Central West | Brampton | 19 (3.7) | 185 (36.5) | 165 (28.7) | 229 (42.8) |
| Central West | Caledon | 18 (28.1) | 24 (44.4) | 18 (25.5) | 29 (36.4) |
| Central West | Dufferin County | 36 (27.1) | 39 (39.4) | 49 (49.5) | 31 (40.2) |
| Central West | Malton (Mississauga) | 9 (14.3) | 17 (32.1) | 7 (20.1) | 16 (33.8) |
| Central West | Rexdale (Toronto) | 65 (23.0) | 37 (19.1) | 75 (30.3) | 84 (43.1) |
| Central West | Woodbridge (Vaughan) | 9 (20.0) | 24 (36.4) | 7 (12.3) | 18 (43.1) |
| Champlain | Eastern Counties | 147 (27.0) | 244 (58.0) | 220 (45.8) | 157 (42.4) |
| Champlain | North Lanark/North Grenville | 67 (42.9) | 36 (28.1) | 23 (42.9) | 26 (47.7) |
| Champlain | Ottawa Centre | 226 (52.6) | 147 (44.1) | 107 (27.1) | 158 (50.2) |
| Champlain | Ottawa East | 166 (43.2) | 111 (37.2) | 106 (39.0) | 120 (42.3) |
| Champlain | Ottawa West | 309 (41.9) | 262 (43.9) | 250 (37.9) | 274 (50.5) |
| Champlain | Renfrew County | 142 (39.0) | 120 (45.5) | 119 (45.4) | 135 (57.8) |
| Erie St. Clair | Chatham-Kent | 221 (63.0) | 114 (39.3) | 92 (36.4) | 134 (50.8) |
| Erie St. Clair | Essex | 333 (38.5) | 295 (31.4) | 409 (46.6) | 324 (43.1) |
| Erie St. Clair | Lambton | 114 (35.3) | 127 (36.2) | 124 (46.8) | 126 (43.5) |
| Hamilton Niagara Haldimand Brant | Ancaster | 18 (66.7) | 16 (16.3) | 13 (23.6) | 15 (34.6) |
| Hamilton Niagara Haldimand Brant | Brant & Brantford | 99 (34.4) | 122 (46.2) | 125 (48.8) | 107 (45.4) |
| Hamilton Niagara Haldimand Brant | Burlington | 137 (40.9) | 126 (45.5) | 110 (36.4) | 115 (47.2) |
| Hamilton Niagara Haldimand Brant | Dundas | 45 (50.0) | 10 (19.6) | 38 (46.1) | 21 (39.4) |
| Hamilton Niagara Haldimand Brant | East Niagara | 114 (32.9) | 77 (28.2) | 97 (47.5) | 83 (34.2) |
| Hamilton Niagara Haldimand Brant | Flamborough | 63 (77.8) | 17 (42.5) | 19 (29.6) | 26 (41.4) |
| Hamilton Niagara Haldimand Brant | Glanbrook | 10 (52.6) | 6 (28.6) | 7 (39.7) | 15 (38.9) |
| Hamilton Niagara Haldimand Brant | Haldimand & Norfolk | 114 (43.8) | 89 (33.5) | 86 (38.8) | 80 (44.3) |
| Hamilton Niagara Haldimand Brant | Hamilton Outer Core | 205 (38.5) | 195 (37.8) | 181 (40.9) | 169 (40.5) |
| Hamilton Niagara Haldimand Brant | Hamilton Urban Core | 119 (41.9) | 58 (27.1) | 26 (16.2) | 72 (34.5) |

Exhibit 1.5s (continued)

Number and percentage of adult stroke or transient ischemic attack patients who sought medical attention within the treatment window¹, in Ontario and by sub-Local Health Integration Network, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | 2002/03 | 2004/05 | 2008/09 | 2010/11 |
|---|--------------------------------------|---------------------|---------------------|---------------------|---------------------|
| | | Patients, n (%) | | | |
| Ontario | | 8,428 (34.0) | 7,895 (34.1) | 7,863 (35.2) | 8,197 (42.3) |
| Local Health Integration Network | SubLHIN² | | | | |
| Hamilton Niagara Haldimand Brant | New Credit & Six Nations | - | 10 (66.7) | 10 (100.0) | 6 (61.3) |
| Hamilton Niagara Haldimand Brant | North Niagara | 159 (34.1) | 121 (25.9) | 131 (29.3) | 134 (36.7) |
| Hamilton Niagara Haldimand Brant | South Niagara | 82 (40.6) | 60 (25.1) | 63 (28.7) | 78 (42.3) |
| Hamilton Niagara Haldimand Brant | Stoney Creek | 31 (27.0) | 30 (34.5) | 31 (34.6) | 36 (34.7) |
| Hamilton Niagara Haldimand Brant | West Niagara | 94 (56.6) | 30 (23.8) | 35 (34.6) | 63 (61.6) |
| Mississauga Halton | Halton Hills | 7 (7.8) | 6 (26.1) | 19 (27.5) | 35 (49.2) |
| Mississauga Halton | Milton | 19 (41.3) | 57 (38.8) | 36 (27.4) | 27 (43.4) |
| Mississauga Halton | Northwest Mississauga | 59 (26.2) | 72 (26.1) | 120 (35.4) | 113 (40.1) |
| Mississauga Halton | Oakville | 63 (25.9) | 114 (45.2) | 72 (31.5) | 108 (47.5) |
| Mississauga Halton | South Etobicoke – Toronto | 10 (3.6) | 121 (40.3) | 75 (32.7) | 71 (35.9) |
| Mississauga Halton | Southeast Mississauga | 36 (7.4) | 144 (26.8) | 142 (30.5) | 164 (38.4) |
| North East | Algoma | 80 (22.0) | 120 (39.1) | 163 (45.2) | 130 (51.9) |
| North East | Cochrane | 92 (42.4) | 80 (43.5) | 62 (41.7) | 65 (46.0) |
| North East | James & Hudson Bay Coasts | 11 (100.0) | - | - | - |
| North East | Manitoulin-Sudbury | 182 (38.7) | 152 (31.6) | 161 (38.4) | 149 (43.2) |
| North East | Nipissing | 81 (34.6) | 64 (30.6) | 116 (47.1) | 77 (45.9) |
| North East | Parry Sound | 56 (26.8) | 45 (35.4) | 55 (48.3) | 51 (50.7) |
| North East | Timiskaming | 33 (26.0) | 33 (38.8) | 27 (22.4) | 21 (44.6) |
| North Simcoe Muskoka | Barrie & Area | 93 (23.1) | 63 (18.2) | 151 (42.7) | 126 (46.0) |
| North Simcoe Muskoka | Collingwood & Area | 43 (32.6) | 39 (28.1) | 49 (35.3) | 53 (41.2) |
| North Simcoe Muskoka | Midland & Penetanguishene Area | 63 (28.9) | 86 (54.1) | 53 (40.6) | 41 (31.9) |
| North Simcoe Muskoka | Muskoka | 61 (38.9) | 60 (40.8) | 35 (22.8) | 35 (29.8) |
| North Simcoe Muskoka | Orillia & Area | 53 (34.9) | 45 (28.7) | 71 (39.7) | 44 (67.6) |
| North West | Kenora | 45 (32.6) | 40 (37.7) | 48 (34.0) | 29 (29.6) |
| North West | Rainy River | 28 (49.1) | 15 (27.3) | 9 (16.4) | 19 (50.0) |
| North West | Thunder Bay City | 109 (34.5) | 125 (40.2) | 82 (31.6) | 130 (47.6) |
| North West | Thunder Bay District | 16 (40.0) | 15 (48.4) | 12 (38.7) | 11 (47.8) |
| South East | Addington, North & Central Frontenac | 18 (100.0) | 21 (80.8) | - | ** |
| South East | Belleville | 82 (50.3) | 32 (28.3) | 49 (39.1) | 30 (33.7) |
| South East | Brockville | 78 (40.2) | 45 (42.5) | 24 (24.9) | 23 (25.8) |
| South East | Central Hastings | 17 (29.3) | 38 (74.5) | 27 (61.2) | 22 (38.4) |
| South East | Gananoque, Leeds | - | 10 (38.5) | - | 6 (31.6) |
| South East | Kingston & Islands | 102 (36.3) | 83 (34.9) | 107 (54.8) | 77 (43.2) |
| South East | North Hastings | - | 20 (41.7) | 23 (43.7) | ** |
| South East | Prince Edward County | 51 (49.5) | 41 (51.2) | 22 (36.1) | 18 (29.2) |
| South East | Quinte West, Brighton | 99 (64.7) | 35 (37.2) | 17 (17.7) | 36 (37.7) |

Exhibit 1.5s (continued)

Number and percentage of adult stroke or transient ischemic attack patients who sought medical attention within the treatment window¹, in Ontario and by sub-Local Health Integration Network, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | 2002/03 | 2004/05 | 2008/09 | 2010/11 |
|---|---------------------------------------|---------------------|---------------------|---------------------|---------------------|
| | | Patients, n (%) | | | |
| Ontario | | 8,428 (34.0) | 7,895 (34.1) | 7,863 (35.2) | 8,197 (42.3) |
| Local Health Integration Network | SubLHIN² | | | | |
| South East | Rideau Lakes | 9 (69.2) | 27 (61.4) | 35 (65.6) | 14 (44.4) |
| South East | SE Leeds & Grenville | 9 (28.1) | 22 (51.2) | 18 (75.3) | 14 (37.2) |
| South East | Smiths Falls, Perth, Lanark | 22 (30.1) | 42 (42.9) | 35 (36.8) | 34 (43.4) |
| South East | South Frontenac | - | 6 (33.3) | 6 (50.0) | 7 (43.8) |
| South East | Stone Mills, Loyalist | 18 (48.6) | 17 (53.1) | - | 18 (49.4) |
| South East | Tyendinaga, Napanee | 16 (16.8) | 25 (55.6) | 44 (53.3) | 11 (30.6) |
| South West | Bruce | 75 (35.4) | 88 (41.9) | 71 (35.3) | 54 (44.7) |
| South West | Elgin | 78 (31.0) | 89 (39.6) | 30 (14.5) | 105 (67.7) |
| South West | Grey | 83 (39.5) | 69 (37.3) | 104 (42.9) | 122 (58.4) |
| South West | Huron | 46 (29.7) | 48 (29.3) | 41 (29.9) | 58 (42.0) |
| South West | Middlesex | 145 (25.1) | 272 (39.5) | 191 (35.1) | 330 (48.5) |
| South West | Oxford-Norfolk | 119 (41.5) | 96 (35.0) | 114 (42.1) | 125 (48.9) |
| South West | Perth | 84 (53.8) | 68 (48.6) | 61 (35.1) | 66 (53.5) |
| Toronto Central | East | 91 (41.6) | 55 (25.7) | 40 (24.0) | 46 (31.8) |
| Toronto Central | North East | 67 (33.7) | 30 (14.8) | 58 (33.4) | 60 (33.8) |
| Toronto Central | North Toronto | 157 (27.9) | 124 (29.1) | 144 (36.0) | 155 (45.1) |
| Toronto Central | North West | 104 (31.5) | 100 (28.4) | 126 (28.9) | 96 (38.8) |
| Toronto Central | South East | 48 (25.5) | 52 (28.6) | 53 (29.8) | 63 (35.1) |
| Toronto Central | South West | 96 (34.9) | 71 (30.2) | 57 (30.9) | 62 (38.0) |
| Toronto Central | West | 100 (27.9) | 67 (23.4) | 74 (35.5) | 78 (36.4) |
| Waterloo Wellington | Rural – South Grey & North Wellington | 20 (41.7) | 20 (30.3) | 30 (39.3) | 16 (28.3) |
| Waterloo Wellington | Rural Waterloo | 63 (58.3) | 22 (30.1) | 30 (42.7) | 26 (38.7) |
| Waterloo Wellington | Rural Wellington | 31 (43.7) | 23 (20.2) | 37 (37.9) | 41 (47.0) |
| Waterloo Wellington | Urban Guelph | 36 (21.1) | 77 (47.0) | 67 (33.4) | 90 (49.7) |
| Waterloo Wellington | Urban Waterloo & Rural Waterloo South | 322 (43.7) | 297 (35.7) | 269 (36.6) | 299 (44.8) |

Data source: Registry of the Canadian Stroke Network, Ontario Stroke Audit (OSA), 2002/03, 2004/05, 2008/09 and 2010/11.

Inclusion criteria: All patients aged ≥18 years admitted to an emergency department at an acute care facility in Ontario for stroke or transient ischemic attack with a known stroke onset time.

¹ From 2002/03 to 2009/10, the calculated treatment window was 2.5 hours; in 2010/11, it was changed to 3.5 hours to reflect updated best practice guidelines.

² SubLHIN values are unweighted.

** Cell value suppressed for reasons of privacy and confidentiality.

Notes:

(1) Population-based analysis (i.e., the location of the patient's residence is used to report regional performance).

(2) Excludes all NACRS records with ICD codes that include the prefix "Q" (suspected, questionable diagnoses) starting in 2008/09.

(3) In 2010/11, 36.3% of stroke/TIA patients sought medical attention within 2.5 hours of symptom onset.

(4) Cells in which there were no reported/available data are marked with a hyphen (-).

Exhibit 1.6s

Number and percentage of adult stroke or transient ischemic attack patients who received neuroimaging within 24 hours of presenting to the emergency department and prior to discharge, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2002/03 | | 2004/05 | | 2008/09 | | 2010/11 | |
|-----------------|---|----------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| | | | | Patients, n (%) | | | | | | | |
| | | | | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² |
| Ontario | | | | 6,344 (47.4) | 14,699 (90.3) | 11,705 (68.6) | 14,345 (92.4) | 15,897 (86.3) | 14,818 (97.8) | 15,634 (89.6) | 12,639 (98.9) |
| Institution No. | Institution (Site) ³ | Local Health Integration Network | Ontario Stroke System Region | | | | | | | | |
| 1067 | Leamington District Memorial Hospital | Erie St. Clair | South West | ** | 8 (53.3) | ** | 13 (81.3) | 20 (87.0) | 16 (100.0) | 25 (89.3) | 16 (100.0) |
| 1079 | Windsor Regional Hospital (Metropolitan) | Erie St. Clair | South West | - | - | ** | 31 (100.0) | 38 (80.9) | 22 (95.7) | 47 (77.0) | 33 (100.0) |
| 1223 | Public General Hospital Society of Chatham | Erie St. Clair | South West | 7 (26.9) | 16 (72.7) | 29 (59.2) | 35 (94.6) | 30 (78.9) | 35 (97.2) | 213 (90.6) | 167 (99.4) |
| 1239 | Sydenham District Hospital | Erie St. Clair | South West | ** | 6 (100.0) | ** | 7 (77.8) | - | ** | ** | ** |
| 1241 | Charlotte Eleanor Englehart Hospital | Erie St. Clair | South West | - | ** | - | - | - | - | - | - |
| 1247 | Sarnia General Hospital | Erie St. Clair | South West | - | 13 (92.9) | - | - | - | - | - | - |
| 3707 | Hotel-Dieu Grace Hospital (St. Joseph's) | Erie St. Clair | South West | 56 (88.9) | 40 (95.2) | 81 (95.3) | 63 (96.9) | 64 (91.4) | 48 (98.0) | 414 (96.1) | 276 (99.6) |
| 3844 | Windsor Regional Hospital (Western) | Erie St. Clair | South West | - | 22 (95.7) | - | - | - | - | - | - |
| 4415 | Bluewater Health (Sarnia) | Erie St. Clair | South West | - | - | - | 23 (79.3) | 39 (86.7) | 25 (96.2) | 194 (91.1) | 129 (98.5) |
| 4418 | Bluewater Health (Petrolia) | Erie St. Clair | South West | - | - | - | ** | ** | ** | ** | ** |
| 1030 | Grey Bruce Health Services (Lion's Head) | South West | South West | - | - | - | - | ** | ** | - | - |
| 1059 | St. Thomas-Elgin General Hospital | South West | South West | - | 12 (100.0) | - | 19 (100.0) | 21 (91.3) | 18 (100.0) | 34 (97.1) | 20 (100.0) |
| 1124 | Hanover & District Hospital | South West | South West | - | 7 (100.0) | ** | ** | ** | ** | ** | ** |
| 1199 | Clinton Public Hospital | South West | South West | - | 13 (86.7) | - | 10 (55.6) | ** | ** | ** | 6 (100.0) |
| 1203 | South Huron Hospital | South West | South West | - | ** | - | ** | ** | 6 (100.0) | ** | 11 (100.0) |
| 1206 | Alexandra Marine & General Hospital | South West | South West | - | ** | - | 6 (75.0) | ** | 6 (100.0) | 34 (69.4) | 17 (100.0) |
| 1213 | Seaforth Community Hospital | South West | South West | ** | 18 (66.7) | - | 6 (60.0) | ** | ** | ** | ** |
| 1217 | Wingham & District Hospital | South West | South West | - | 9 (50.0) | - | ** | ** | 7 (87.5) | ** | 6 (75.0) |
| 1497 | St. Joseph's Health Care, London | South West | South West | ** | 6 (100.0) | ** | ** | ** | - | 6 (66.7) | - |
| 1507 | Four Counties Health Services Corporation | South West | South West | - | ** | - | ** | ** | ** | - | ** |
| 1515 | Strathroy Middlesex General Hospital | South West | South West | - | 9 (81.8) | - | ** | 9 (90.0) | 6 (100.0) | 16 (66.7) | 15 (93.8) |
| 1696 | Alexandra Hospital | South West | South West | - | - | - | ** | ** | ** | - | 9 (75.0) |
| 1709 | Tillsonburg District Memorial Hospital | South West | South West | - | 8 (72.7) | - | 7 (58.3) | - | 7 (70.0) | 14 (60.9) | 16 (100.0) |
| 1716 | Woodstock General Hospital | South West | South West | - | ** | 8 (57.1) | 13 (92.9) | 13 (76.5) | 10 (100.0) | 29 (87.9) | 19 (100.0) |
| 1740 | Listowel Memorial Hospital | South West | South West | - | 16 (55.2) | - | 7 (43.8) | ** | ** | - | ** |
| 1748 | St. Marys Memorial Hospital | South West | South West | - | ** | - | 9 (69.2) | ** | ** | ** | ** |
| 1754 | Stratford General Hospital | South West | South West | 10 (71.4) | 9 (100.0) | - | 32 (100.0) | 35 (81.4) | 27 (93.1) | 94 (90.4) | 83 (98.8) |
| 3850-1 | London Health Sciences Centre (University) | South West | South West | - | 30 (100.0) | 63 (90.0) | 55 (98.2) | 90 (88.2) | 83 (98.8) | 570 (92.1) | 470 (99.6) |
| 3850-2 | London Health Sciences Centre (Victoria) | South West | South West | - | 7 (100.0) | 19 (82.6) | 14 (100.0) | - | - | - | - |
| 3907 | South Bruce Grey Health Centre (Kincardine) | South West | South West | - | 16 (72.7) | ** | 8 (88.9) | ** | ** | ** | ** |
| 3944 | Grey Bruce Health Services (Owen Sound) | South West | South West | ** | 13 (100.0) | 38 (77.6) | 35 (97.2) | 38 (82.6) | 36 (97.3) | 100 (84.0) | 85 (98.8) |
| 4025 | Grey Bruce Health Services (Markdale) | South West | South West | - | ** | ** | 12 (63.2) | 6 (60.0) | ** | ** | ** |
| 4027 | Grey Bruce Health Services (Meaford) | South West | South West | - | 8 (80.0) | - | ** | ** | 7 (87.5) | ** | ** |
| 4030 | Grey Bruce Health Services (Southampton) | South West | South West | ** | - | ** | 12 (80.0) | ** | 6 (85.7) | 16 (55.2) | 14 (100.0) |

Exhibit 1.6s (continued)

Number and percentage of adult stroke or transient ischemic attack patients who received neuroimaging within 24 hours of presenting to the emergency department and prior to discharge, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2002/03 | | 2004/05 | | 2008/09 | | 2010/11 | |
|-----------------|--|----------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| | | | | Patients, n (%) | | | | | | | |
| | | | | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² |
| Ontario | | | | 6,344 (47.4) | 14,699 (90.3) | 11,705 (68.6) | 14,345 (92.4) | 15,897 (86.3) | 14,818 (97.8) | 15,634 (89.6) | 12,639 (98.9) |
| Institution No. | Institution (Site) ³ | Local Health Integration Network | Ontario Stroke System Region | | | | | | | | |
| 4033 | Grey Bruce Health Services (Wiarton) | South West | South West | ** | ** | ** | ** | ** | ** | 6 (60.0) | ** |
| 4036 | South Bruce Grey Health Centre (Durham) | South West | South West | - | 9 (81.8) | ** | ** | ** | ** | ** | 7 (100.0) |
| 4039 | South Bruce Grey Health Centre (Walkerton) | South West | South West | - | 24 (75.0) | ** | 6 (85.7) | ** | ** | ** | ** |
| 4042 | South Bruce Grey Health Centre (Chesley) | South West | South West | - | 7 (63.6) | ** | 12 (85.7) | ** | ** | 6 (60.0) | ** |
| 1905 | Cambridge Memorial Hospital | Waterloo Wellington | Central South | 19 (79.2) | 9 (100.0) | ** | 20 (100.0) | 22 (100.0) | 18 (100.0) | 40 (100.0) | 25 (100.0) |
| 1921 | St. Mary's General Hospital | Waterloo Wellington | Central South | 18 (51.4) | 19 (100.0) | - | 8 (80.0) | 14 (77.8) | 7 (100.0) | 29 (85.3) | ** |
| 1936 | Groves Memorial Community Hospital | Waterloo Wellington | Central South | - | 7 (77.8) | - | 10 (83.3) | ** | 8 (88.9) | 12 (54.5) | 18 (100.0) |
| 1946 | Guelph General Hospital | Waterloo Wellington | Central South | - | 17 (81.0) | 15 (48.4) | 14 (82.4) | 30 (96.8) | 22 (100.0) | 45 (91.8) | 36 (100.0) |
| 3734 | Grand River Hospital Corp (Waterloo) | Waterloo Wellington | Central South | 10 (47.6) | 14 (93.3) | 73 (79.3) | 65 (98.5) | 58 (95.1) | 48 (100.0) | 419 (96.8) | 338 (99.4) |
| 4323 | North Wellington Health Care (Mount Forest) | Waterloo Wellington | Central South | - | ** | - | ** | ** | ** | - | ** |
| 4326 | North Wellington Health Care (Palmerston) | Waterloo Wellington | Central South | - | ** | - | 8 (61.5) | ** | ** | ** | ** |
| 1006 | Brantford General Hospital | Hamilton Niagara Haldimand Brant | Central South | 21 (72.4) | 23 (95.8) | - | 31 (88.6) | - | - | - | - |
| 1146 | Haldimand War Memorial Hospital | Hamilton Niagara Haldimand Brant | Central South | ** | ** | - | ** | - | ** | ** | 15 (93.8) |
| 1149 | West Haldimand General Hospital | Hamilton Niagara Haldimand Brant | Central South | ** | ** | - | ** | - | ** | 7 (30.4) | 8 (100.0) |
| 1160 | Joseph Brant Memorial Hospital | Hamilton Niagara Haldimand Brant | Central South | 28 (77.8) | 23 (92.0) | 26 (92.9) | 33 (100.0) | 34 (100.0) | 26 (100.0) | 68 (88.3) | 51 (100.0) |
| 1538 | West Lincoln Memorial Hospital | Hamilton Niagara Haldimand Brant | Central South | - | ** | - | ** | ** | 6 (75.0) | - | ** |
| 1557 | Religious Hospitaliers of St. Joseph of the Hotel Dieu | Hamilton Niagara Haldimand Brant | Central South | ** | ** | 6 (60.0) | 8 (88.9) | - | - | - | - |
| 1591 | Norfolk General Hospital | Hamilton Niagara Haldimand Brant | Central South | ** | 6 (60.0) | - | 10 (62.5) | 9 (56.3) | 7 (87.5) | 20 (69.0) | 18 (100.0) |
| 1982 | Hamilton Health Sciences Corp (General) | Hamilton Niagara Haldimand Brant | Central South | 19 (55.9) | 40 (95.2) | 72 (88.9) | 68 (97.1) | 74 (92.5) | 79 (100.0) | 403 (91.8) | 370 (99.2) |
| 1983 | Hamilton Health Sciences Corp (Henderson) | Hamilton Niagara Haldimand Brant | Central South | 6 (40.0) | 11 (100.0) | 22 (75.9) | 23 (95.8) | 19 (82.6) | 13 (100.0) | 42 (93.3) | 36 (100.0) |
| 1994 | Hamilton Health Sciences Corp (McMaster) | Hamilton Niagara Haldimand Brant | Central South | - | 10 (90.9) | 26 (76.5) | 24 (100.0) | 21 (100.0) | 16 (100.0) | 25 (75.8) | 22 (100.0) |

Exhibit 1.6s (continued)

Number and percentage of adult stroke or transient ischemic attack patients who received neuroimaging within 24 hours of presenting to the emergency department and prior to discharge, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2002/03 | | 2004/05 | | 2008/09 | | 2010/11 | |
|-----------------|---|----------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| | | | | Patients, n (%) | | | | | | | |
| | | | | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² |
| Ontario | | | | 6,344 (47.4) | 14,699 (90.3) | 11,705 (68.6) | 14,345 (92.4) | 15,897 (86.3) | 14,818 (97.8) | 15,634 (89.6) | 12,639 (98.9) |
| Institution No. | Institution (Site) ³ | Local Health Integration Network | Ontario Stroke System Region | | | | | | | | |
| 2003 | St. Joseph's Health Care System (Hamilton) | Hamilton Niagara Haldimand Brant | Central South | 27 (79.4) | 21 (95.5) | 20 (76.9) | 19 (100.0) | 22 (78.6) | 16 (100.0) | 53 (91.4) | 45 (100.0) |
| 3644 | St. Joseph's Community Health Centre | Hamilton Niagara Haldimand Brant | Central South | - | - | ** | - | - | - | - | - |
| 4210 | Niagara Health System (Fort Erie Douglas) | Hamilton Niagara Haldimand Brant | Central South | ** | 7 (100.0) | - | ** | ** | 6 (85.7) | - | - |
| 4213 | Niagara Health System (Greater Niagara) | Hamilton Niagara Haldimand Brant | Central South | 6 (46.2) | 14 (87.5) | - | 27 (90.0) | 40 (90.9) | 30 (96.8) | 211 (87.6) | 202 (99.5) |
| 4219 | Niagara Health System (Port Colborne) | Hamilton Niagara Haldimand Brant | Central South | ** | 6 (100.0) | - | 6 (85.7) | - | ** | - | - |
| 4224 | Niagara Health System (St. Catharines) | Hamilton Niagara Haldimand Brant | Central South | 21 (75.0) | 27 (100.0) | - | 53 (96.4) | 36 (85.7) | 31 (100.0) | 72 (96.0) | 54 (100.0) |
| 4227 | Niagara Health System (Welland County) | Hamilton Niagara Haldimand Brant | Central South | 8 (57.1) | 14 (93.3) | - | 34 (100.0) | 14 (82.4) | 15 (100.0) | 30 (83.3) | 18 (94.7) |
| 4675 | Brant Community Healthcare System (Brantford) | Hamilton Niagara Haldimand Brant | Central South | - | - | - | - | 35 (92.1) | 24 (100.0) | 214 (95.5) | 168 (100.0) |
| 3684 | Headwaters Health Care Centre (Dufferin) | Central West | West GTA | - | 9 (90.0) | - | 10 (90.9) | 15 (83.3) | 21 (100.0) | 28 (96.6) | 23 (100.0) |
| 3929 | William Osler Health System (Etobicoke) | Central West | West GTA | 27 (79.4) | 24 (96.0) | 48 (90.6) | 42 (100.0) | 40 (97.6) | 33 (100.0) | 79 (97.5) | 63 (100.0) |
| 4016 | William Osler Health System (Brampton) | Central West | West GTA | 31 (79.5) | 29 (96.7) | 61 (92.4) | 37 (100.0) | - | - | - | - |
| 4681 | William Osler Health System (Civic) | Central West | West GTA | - | - | - | - | 60 (93.8) | 35 (100.0) | 111 (97.4) | 69 (100.0) |
| 3286 | Credit Valley Hospital | Mississauga Halton | West GTA | - | 17 (89.5) | - | 30 (96.8) | 51 (100.0) | 40 (100.0) | 75 (93.8) | 53 (100.0) |
| 3917 | Trillium Health Centre (Mississauga) | Mississauga Halton | West GTA | - | 59 (100.0) | 127 (94.1) | 98 (100.0) | 133 (96.4) | 101 (100.0) | 752 (97.3) | 551 (100.0) |
| 3926 | Halton Healthcare Services Corp (Oakville) | Mississauga Halton | West GTA | - | 18 (94.7) | 30 (68.2) | 34 (97.1) | 22 (88.0) | 28 (96.6) | 62 (95.4) | 47 (100.0) |
| 4019 | William Osler Health Centre (Georgetown) | Mississauga Halton | West GTA | - | ** | - | - | - | - | - | - |
| 4022 | Halton Healthcare Services Corp (Milton) | Mississauga Halton | West GTA | - | 6 (85.7) | 10 (41.7) | 18 (85.7) | 7 (87.5) | 10 (90.9) | 29 (96.7) | 20 (100.0) |
| 4622 | Halton Healthcare Services Corp (Georgetown) | Mississauga Halton | West GTA | - | - | - | - | ** | 7 (77.8) | 16 (66.7) | 18 (94.7) |
| 1302 | Toronto East General Hospital | Toronto Central | Toronto – Southeast | - | 25 (100.0) | 61 (98.4) | 39 (100.0) | 41 (97.6) | 27 (100.0) | 76 (98.7) | 44 (100.0) |
| 1423 | Mount Sinai Hospital | Toronto Central | Toronto – West | ** | 14 (100.0) | 15 (93.8) | 19 (95.0) | 17 (89.5) | 21 (100.0) | 27 (100.0) | 21 (100.0) |
| 1443 | St. Joseph's Health Centre | Toronto Central | Toronto – West | 35 (87.5) | 26 (96.3) | 50 (89.3) | 42 (100.0) | 37 (90.2) | 33 (100.0) | 60 (96.8) | 46 (100.0) |
| 1444 | St. Michael's Hospital | Toronto Central | Toronto – Southeast | - | 30 (96.8) | 35 (94.6) | 42 (100.0) | 74 (97.4) | 59 (100.0) | 400 (95.9) | 330 (99.7) |

Exhibit 1.6s (continued)

Number and percentage of adult stroke or transient ischemic attack patients who received neuroimaging within 24 hours of presenting to the emergency department and prior to discharge, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2002/03 | | 2004/05 | | 2008/09 | | 2010/11 | |
|-----------------|--|----------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| | | | | Patients, n (%) | | | | | | | |
| | | | | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² |
| Ontario | | | | 6,344 (47.4) | 14,699 (90.3) | 11,705 (68.6) | 14,345 (92.4) | 15,897 (86.3) | 14,818 (97.8) | 15,634 (89.6) | 12,639 (98.9) |
| Institution No. | Institution (Site) ³ | Local Health Integration Network | Ontario Stroke System Region | | | | | | | | |
| 3910-1 | University Health Network (Toronto Western) | Toronto Central | Toronto – West | 6 (85.7) | 52 (100.0) | 55 (91.7) | 55 (100.0) | 96 (98.0) | 91 (100.0) | 484 (97.2) | 438 (100.0) |
| 3910-2 | University Health Network (Princess Margaret) | Toronto Central | Toronto – West | 12 (92.3) | 8 (100.0) | 39 (97.5) | 25 (100.0) | - | - | - | - |
| 3936 | Sunnybrook Health Sciences Centre | Toronto Central | Toronto – North & East | 27 (81.8) | 38 (97.4) | 88 (94.6) | 79 (98.8) | 74 (94.9) | 71 (100.0) | 545 (96.8) | 464 (100.0) |
| 1330 | North York General Hospital | Central | Toronto – North & East | - | 40 (97.6) | 47 (87.0) | 50 (100.0) | 17 (94.4) | 48 (100.0) | 95 (93.1) | 80 (100.0) |
| 1343 | Humber River Regional Hospital (York-Finch) | Central | Toronto – West | - | 22 (100.0) | ** | 25 (100.0) | 22 (100.0) | 24 (100.0) | 48 (96.0) | 41 (100.0) |
| 1817 | Stevenson Memorial Hospital, Alliston | Central | Central East | ** | ** | - | ** | ** | ** | - | 16 (100.0) |
| 2038 | Southlake Regional Health Centre | Central | Central East | ** | 17 (100.0) | 44 (91.7) | 30 (96.8) | 39 (92.9) | 27 (96.4) | 80 (93.0) | 41 (95.3) |
| 2046 | York Central Hospital | Central | Central East | 31 (86.1) | 23 (95.8) | 60 (92.3) | 52 (96.3) | 63 (96.9) | 48 (100.0) | 345 (98.3) | 246 (100.0) |
| 3587 | Markham Stouffville Hospital | Central | Central East | ** | 11 (100.0) | 19 (79.2) | 23 (100.0) | ** | 23 (100.0) | 9 (75.0) | 29 (100.0) |
| 3883 | Humber River Regional Hospital (Humber Memorial) | Central | Toronto – West | ** | 28 (100.0) | - | 30 (85.7) | 27 (96.4) | 31 (100.0) | 49 (92.5) | 47 (100.0) |
| 1597 | Campbellford Memorial Hospital | Central East | Central East | - | 6 (75.0) | ** | ** | ** | ** | 11 (78.6) | 15 (100.0) |
| 1768 | Peterborough Regional Health Centre | Central East | Central East | - | 21 (91.3) | 37 (75.5) | 42 (97.7) | 29 (90.6) | 38 (97.4) | 242 (92.4) | 172 (99.4) |
| 1893 | Ross Memorial Hospital | Central East | Central East | 10 (55.6) | 13 (86.7) | 15 (75.0) | 14 (100.0) | 18 (81.8) | 16 (100.0) | 28 (80.0) | 23 (92.0) |
| 3737 | Haliburton Highlands Health Services Corp (Haliburton) | Central East | Central East | - | - | - | ** | - | - | ** | 15 (100.0) |
| 3860 | Northumberland Hills Hospital | Central East | Central East | - | 8 (80.0) | 13 (56.5) | 18 (94.7) | 12 (80.0) | 9 (100.0) | 32 (88.9) | 20 (100.0) |
| 3932 | Lakeridge Health Corporation (Oshawa) | Central East | Central East | 8 (27.6) | 20 (87.0) | 41 (62.1) | 42 (97.7) | 23 (92.0) | 27 (100.0) | 282 (89.2) | 228 (100.0) |
| 3943 | Rouge Valley Health System (Centenary) | Central East | Toronto – Southeast | ** | 27 (100.0) | 37 (77.1) | 28 (100.0) | 39 (95.1) | 32 (100.0) | 68 (90.7) | 49 (98.0) |
| 4002 | Lakeridge Health Corporation (Uxbridge) | Central East | Central East | - | ** | - | - | - | - | - | - |
| 4005 | Lakeridge Health Corporation (Port Perry) | Central East | Central East | ** | ** | ** | ** | ** | 6 (100.0) | 15 (53.6) | 13 (92.9) |
| 4008 | Lakeridge Health Corporation (Bowmanville) | Central East | Central East | ** | 12 (92.3) | 6 (33.3) | ** | ** | ** | ** | 11 (100.0) |
| 4014 | Rouge Valley Health System (Ajax) | Central East | Toronto – Southeast | 11 (78.6) | 15 (88.2) | 33 (91.7) | 20 (100.0) | 27 (84.4) | 23 (95.8) | 42 (93.3) | 31 (100.0) |
| 4152 | Scarborough Hospital (General) | Central East | Toronto – North & East | - | 39 (97.5) | 47 (90.4) | 49 (98.0) | 13 (72.2) | 33 (100.0) | 39 (97.5) | 43 (100.0) |
| 4154 | Scarborough Hospital (Grace) | Central East | Toronto – North & East | 26 (72.2) | 17 (94.4) | 36 (87.8) | 35 (100.0) | 16 (88.9) | 30 (100.0) | 29 (93.5) | 46 (100.0) |
| 4465 | Markham Stouffville Hospital (Uxbridge) | Central East | Central East | - | - | ** | ** | - | ** | 7 (53.8) | 15 (100.0) |
| 1097 | Hotel Dieu Hospital (Kingston) | South East | South East | - | ** | 10 (55.6) | - | - | - | - | - |
| 1100 | Kingston General Hospital | South East | South East | ** | 39 (97.5) | 66 (90.4) | 52 (100.0) | 51 (98.1) | 45 (100.0) | 318 (96.4) | 269 (99.6) |
| 1269 | Perth & Smiths Falls District Hospital (Smiths Falls) | South East | South East | - | ** | ** | ** | ** | ** | ** | 14 (87.5) |
| 1273 | Brockville General Hospital | South East | South East | - | ** | ** | 14 (100.0) | 18 (81.8) | 16 (100.0) | 24 (82.8) | 17 (94.4) |

Exhibit 1.6s (continued)

Number and percentage of adult stroke or transient ischemic attack patients who received neuroimaging within 24 hours of presenting to the emergency department and prior to discharge, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2002/03 | | 2004/05 | | 2008/09 | | 2010/11 | |
|-----------------|--|----------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| | | | | Patients, n (%) | | | | | | | |
| | | | | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² |
| Ontario | | | | 6,344 (47.4) | 14,699 (90.3) | 11,705 (68.6) | 14,345 (92.4) | 15,897 (86.3) | 14,818 (97.8) | 15,634 (89.6) | 12,639 (98.9) |
| Institution No. | Institution (Site) ³ | Local Health Integration Network | Ontario Stroke System Region | | | | | | | | |
| 1295 | Lennox & Addington County General Hospital | South East | South East | - | ** | - | ** | - | ** | ** | ** |
| 3732 | Perth & Smiths Falls District Hospital (Perth) | South East | South East | - | ** | ** | ** | - | ** | ** | 12 (80.0) |
| 3988 | Quinte Healthcare Corporation (Belleville) | South East | South East | - | 15 (78.9) | 16 (47.1) | 37 (90.2) | 26 (81.3) | 26 (92.9) | 111 (86.0) | 109 (100.0) |
| 3991 | Quinte Healthcare Corporation (Bancroft) | South East | South East | - | ** | ** | ** | ** | - | - | ** |
| 3992 | Quinte Healthcare Corporation (Picton) | South East | South East | - | ** | ** | 9 (90.0) | - | ** | 16 (64.0) | 17 (89.5) |
| 3994 | Quinte Healthcare Corporation (Trenton) | South East | South East | - | 6 (85.7) | ** | 11 (73.3) | 10 (90.9) | 6 (100.0) | 15 (65.2) | 12 (100.0) |
| 1254 | Almonte General Hospital | Champlain | East – Champlain | - | 9 (36.0) | ** | 10 (62.5) | - | ** | ** | 7 (100.0) |
| 1256 | Carleton Place & District Memorial Hospital | Champlain | East – Champlain | - | ** | - | ** | - | - | ** | ** |
| 1284 | Kemptville District Hospital | Champlain | East – Champlain | - | ** | ** | 6 (50.0) | - | - | ** | ** |
| 1661 | Hôpital Montfort | Champlain | East – Champlain | 14 (63.6) | 11 (84.6) | 30 (85.7) | 20 (100.0) | 26 (100.0) | 9 (100.0) | 38 (95.0) | 22 (100.0) |
| 1681 | Queensway-Carleton Hospital | Champlain | East – Champlain | 27 (84.4) | 23 (95.8) | 42 (93.3) | 27 (96.4) | 25 (92.6) | 18 (100.0) | 44 (97.8) | 25 (100.0) |
| 1777 | Hawkesbury & District General Hospital | Champlain | East – Champlain | - | ** | ** | ** | 10 (83.3) | 8 (100.0) | 54 (80.6) | 37 (97.4) |
| 1799 | Arnprior & District Memorial Hospital | Champlain | East – Champlain | - | ** | ** | 11 (78.6) | ** | ** | ** | 6 (85.7) |
| 1801 | St. Francis Memorial Hospital | Champlain | East – Champlain | - | 9 (60.0) | - | ** | - | ** | ** | ** |
| 1803 | Deep River & District Hospital | Champlain | East – Champlain | ** | 6 (50.0) | - | 7 (70.0) | ** | ** | ** | ** |
| 1804 | Pembroke Regional Hospital Inc. | Champlain | East – Champlain | - | 10 (66.7) | - | 26 (65.0) | 18 (90.0) | 36 (100.0) | 93 (95.9) | 126 (100.0) |
| 1813 | Renfrew Victoria Hospital | Champlain | East – Champlain | - | ** | - | ** | - | ** | ** | ** |
| 1870 | Glengarry Memorial Hospital | Champlain | East – Champlain | - | ** | ** | 8 (50.0) | ** | 6 (100.0) | ** | ** |
| 1872 | Cornwall General Hospital | Champlain | East – Champlain | - | ** | - | - | - | - | - | - |
| 1874 | Hotel Dieu Hospital, Cornwall | Champlain | East – Champlain | - | ** | - | - | - | - | - | - |
| 1885 | Winchester District Memorial Hospital | Champlain | East – Champlain | - | ** | - | ** | - | - | ** | 7 (100.0) |
| 4046 | Ottawa Hospital (Civic) | Champlain | East – Champlain | 17 (77.3) | 33 (94.3) | 45 (91.8) | 37 (100.0) | 111 (95.7) | 81 (100.0) | 695 (97.9) | 476 (100.0) |
| 4048 | Ottawa Hospital (General) | Champlain | East – Champlain | - | - | 77 (91.7) | 49 (100.0) | 52 (89.7) | 28 (100.0) | 74 (98.7) | 23 (100.0) |
| 4164 | University of Ottawa Heart Institute | Champlain | East – Champlain | - | - | - | - | - | - | ** | ** |
| 4451 | Cornwall Community Hospital | Champlain | East – Champlain | - | - | 8 (61.5) | 10 (90.9) | 18 (85.7) | 14 (100.0) | 98 (87.5) | 70 (95.9) |
| 4469 | Cornwall Community Hospital (General) | Champlain | East – Champlain | - | - | 7 (50.0) | 10 (90.9) | - | - | - | - |
| 1523 | South Muskoka Memorial Hospital | North Simcoe Muskoka | Central East | - | 7 (77.8) | ** | ** | - | - | - | - |
| 1527 | Huntsville District Memorial Hospital | North Simcoe Muskoka | Central East | - | ** | ** | 9 (90.0) | - | - | - | - |
| 1825 | Royal Victoria Hospital of Barrie | North Simcoe Muskoka | Central East | ** | 18 (85.7) | ** | 39 (95.1) | 48 (96.0) | 29 (100.0) | 254 (91.4) | 173 (100.0) |
| 1833 | Collingwood General & Marine Hospital | North Simcoe Muskoka | Central East | - | 10 (100.0) | 11 (57.9) | 19 (95.0) | 7 (77.8) | 12 (100.0) | 19 (90.5) | 19 (95.0) |

Exhibit 1.6s (continued)

Number and percentage of adult stroke or transient ischemic attack patients who received neuroimaging within 24 hours of presenting to the emergency department and prior to discharge, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2002/03 | | 2004/05 | | 2008/09 | | 2010/11 | |
|-----------------|--|----------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| | | | | Patients, n (%) | | | | | | | |
| | | | | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² |
| Ontario | | | | 6,344 (47.4) | 14,699 (90.3) | 11,705 (68.6) | 14,345 (92.4) | 15,897 (86.3) | 14,818 (97.8) | 15,634 (89.6) | 12,639 (98.9) |
| Institution No. | Institution (Site) ³ | Local Health Integration Network | Ontario Stroke System Region | | | | | | | | |
| 1844 | Georgian Bay General Hospital (Midland) | North Simcoe Muskoka | Central East | - | 11 (100.0) | 15 (48.4) | 16 (84.2) | 14 (82.4) | 15 (100.0) | 35 (97.2) | 23 (100.0) |
| 1853 | Orillia Soldiers' Memorial Hospital | North Simcoe Muskoka | Central East | - | 13 (100.0) | 24 (66.7) | 29 (90.6) | 7 (46.7) | 15 (100.0) | 14 (82.4) | 10 (100.0) |
| 4616 | Muskoka Algonquin Healthcare (Huntsville) | North Simcoe Muskoka | Central East | - | - | - | - | 14 (73.7) | 36 (100.0) | 40 (76.9) | 46 (100.0) |
| 4619 | Muskoka Algonquin Healthcare (Bracebridge) | North Simcoe Muskoka | Central East | - | - | - | - | 7 (70.0) | 11 (100.0) | 11 (84.6) | 18 (100.0) |
| 2057 | Blind River District Health Centre/ Pavillon Santé | North East | Northeast | - | ** | - | ** | - | - | ** | ** |
| 2058 | St. Joseph's General Hospital | North East | Northeast | - | ** | - | ** | ** | ** | ** | 13 (81.3) |
| 2066 | Sault Ste. Marie General Hospital | North East | Northeast | 17 (60.7) | 20 (100.0) | - | - | - | - | - | - |
| 2076 | Lady Dunn Health Centre | North East | Northeast | - | - | - | ** | ** | ** | - | - |
| 2078 | Lady Minto Hospital | North East | Northeast | ** | 7 (77.8) | - | 11 (78.6) | - | - | ** | 6 (100.0) |
| 2082 | Hôpital Notre-Dame Hospital, Hearst | North East | Northeast | ** | 7 (87.5) | ** | ** | ** | ** | ** | ** |
| 2084 | Anson General Hospital | North East | Northeast | ** | 7 (63.6) | - | 6 (75.0) | - | - | ** | ** |
| 2088 | Sensenbrenner Hospital | North East | Northeast | ** | 21 (95.5) | - | 7 (77.8) | ** | 6 (85.7) | ** | 6 (85.7) |
| 2091 | Weeneebayko General Hospital | North East | Northeast | - | - | - | - | - | - | - | ** |
| 2121 | Manitoulin Health Centre (Little Current) | North East | Northeast | - | 10 (52.6) | - | 10 (58.8) | ** | ** | ** | ** |
| 2123 | Manitoulin Health Centre (Mindemoya) | North East | Northeast | - | 11 (61.1) | - | 9 (60.0) | ** | ** | ** | ** |
| 2126 | Mattawa General Hospital | North East | Northeast | ** | 8 (61.5) | - | ** | ** | ** | ** | 6 (100.0) |
| 2173 | Services de santé de Chapleau Health Services | North East | Northeast | - | ** | - | 6 (85.7) | - | - | - | - |
| 2174 | Espanola General Hospital | North East | Northeast | - | - | - | ** | - | - | - | - |
| 2204 | Englehart & District Hospital | North East | Northeast | ** | 10 (83.3) | - | ** | - | ** | - | - |
| 2207 | Temiskaming Hospital | North East | Northeast | - | 6 (85.7) | - | 14 (51.9) | - | ** | 11 (73.3) | 14 (93.3) |
| 2211 | Kirkland & District Hospital | North East | Northeast | ** | ** | - | ** | - | 9 (100.0) | ** | ** |
| 2812 | West Nipissing General Hospital | North East | Northeast | ** | ** | - | ** | - | 6 (100.0) | ** | ** |
| 3411 | North Bay General Hospital (Civic/St. Joseph's) | North East | Northeast | 8 (40.0) | 13 (92.9) | 27 (56.3) | 33 (97.1) | 37 (86.0) | 30 (100.0) | 143 (86.7) | 128 (98.5) |
| 3414 | Timmins & District General Hospital | North East | Northeast | - | - | - | 29 (93.5) | 37 (97.4) | 37 (100.0) | 66 (94.3) | 65 (100.0) |
| 3729 | West Parry Sound Health Centre | North East | Northeast | - | - | - | ** | - | 7 (100.0) | 20 (76.9) | 18 (100.0) |
| 4059 | Hôpital régional de Sudbury Regional Hospital (Laurentian) | North East | Northeast | - | - | 44 (93.6) | 59 (98.3) | 53 (93.0) | 44 (97.8) | 291 (94.5) | 243 (98.8) |
| 4407 | Sault Area Hospital (Sault Ste. Marie) | North East | Northeast | - | - | ** | 29 (85.3) | 27 (90.0) | 39 (95.1) | 154 (93.9) | 143 (98.6) |
| 2103 | Dryden Regional Health Centre | North West | Northwest | - | ** | ** | ** | - | ** | 6 (66.7) | 16 (100.0) |
| 2110 | Lake-of-the-Woods District Hospital | North West | Northwest | ** | ** | - | ** | 8 (80.0) | 6 (85.7) | 37 (90.2) | 30 (100.0) |

Exhibit 1.6s (continued)

Number and percentage of adult stroke or transient ischemic attack patients who received neuroimaging within 24 hours of presenting to the emergency department and prior to discharge, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2002/03 | | 2004/05 | | 2008/09 | | 2010/11 | |
|-----------------|---|----------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| | | | | Patients, n (%) | | | | | | | |
| | | | | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² | Within 24 Hours ¹ | Before Discharge ² |
| Ontario | | | | 6,344 (47.4) | 14,699 (90.3) | 11,705 (68.6) | 14,345 (92.4) | 15,897 (86.3) | 14,818 (97.8) | 15,634 (89.6) | 12,639 (98.9) |
| Institution No. | Institution (Site) ³ | Local Health Integration Network | Ontario Stroke System Region | | | | | | | | |
| 2115 | Red Lake Margaret Cochenour Memorial Hospital | North West | Northwest | - | - | ** | ** | - | ** | - | ** |
| 2147 | Atikokan General Hospital | North West | Northwest | - | ** | - | - | ** | ** | - | - |
| 2150 | Riverside Health Care Facilities (La Verendrye) | North West | Northwest | ** | ** | ** | ** | ** | ** | 8 (53.3) | 17 (85.0) |
| 2175 | Geraldton District Hospital | North West | Northwest | - | - | - | ** | - | - | - | - |
| 2178 | Nipigon District Memorial Hospital | North West | Northwest | - | ** | - | ** | - | - | - | - |
| 2180 | McCausland Hospital | North West | Northwest | - | ** | - | - | - | - | - | - |
| 3853 | Thunder Bay Regional Health Sciences Centre | North West | Northwest | 22 (56.4) | 29 (93.5) | 51 (73.9) | 52 (96.3) | 50 (96.2) | 50 (100.0) | 324 (95.3) | 278 (100.0) |
| 4353 | Sioux Lookout Meno Ya Win Health Centre (Zone) | North West | Northwest | ** | ** | - | ** | - | - | - | - |

Data source: Registry of the Canadian Stroke Network, Ontario Stroke Audit (OSA), 2002/03, 2004/05, 2008/09 and 2010/11.

Inclusion criteria: All patients aged ≥18 years admitted to an acute care facility in Ontario for suspected stroke or transient ischemic attack.

¹ Among all patients admitted to an emergency department or to inpatient care with a scan date and time (N = 13,384 in 2002/03, 17,072 in 2004/05, 18,416 in 2008/09 and 17,453 in 2010/11).

² Among all patients admitted to inpatient care (N = 16,269 in 2002/03, 15,525 in 2004/05, 15,150 in 2008/09 and 12,775 in 2010/11).

³ Facility values are unweighted.

** Cell value suppressed for reasons of privacy and confidentiality.

Notes:

(1) Facility-based analysis (i.e., the location of the facility is used to report regional performance and actual cases).

(2) Cells in which there were no reported/available data are marked with a hyphen (-).

(3) Excludes all NACRS records with ICD codes that include the prefix "Q" (suspected, questionable diagnosis) starting in 2008/09.

Exhibit 1.7s

Number and percentage of eligible adult stroke patients who received acute thrombolytic therapy (tPA) and the door-to-needle time¹, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2002/03 | | | 2004/05 | | |
|-----------------|---|----------------------------------|------------------------------|--|--|--|--|--|--|
| | | | | Patients Administered tPA ² n (%) | Mean Time to tPA Administration ³ (minutes) | Median Time to tPA Administration ³ (minutes) | Patients Administered tPA ² n (%) | Mean Time to tPA Administration ³ (minutes) | Median Time to tPA Administration ³ (minutes) |
| Ontario | | | | 284 (10.8) | 82.6 | 80.5 | 398 (15.2) | 82.4 | 82.6 |
| Institution No. | Institution (Site) ⁴ | Local Health Integration Network | Ontario Stroke System Region | | | | | | |
| 1079 | Windsor Regional Hospital (Metropolitan) | Erie St. Clair | South West | - | - | - | ** | 121.0 | 121.0 |
| 1223 | Public General Hospital Society of Chatham | Erie St. Clair | South West | - | - | - | ** | 42.0 | 42.0 |
| 3707 | Hotel-Dieu Grace Hospital (St. Joseph's) | Erie St. Clair | South West | ** | 92.5 | 84.0 | - | - | - |
| 4415 | Bluewater Health (Sarnia) | Erie St. Clair | South West | - | - | - | ** | 75.0 | 75.0 |
| 1206 | Alexandra Marine & General Hospital | South West | South West | - | - | - | - | - | - |
| 1497 | St. Joseph's Health Care, London | South West | South West | - | - | - | ** | 104.0 | 104.0 |
| 1754 | Stratford General Hospital | South West | South West | - | - | - | ** | 114.3 | 114.0 |
| 3850-1 | London Health Sciences Centre (University) | South West | South West | - | - | - | ** | 76.0 | 74.5 |
| 3944 | Grey Bruce Health Services (Owen Sound) | South West | South West | ** | 28.0 | 28.0 | ** | 96.7 | 86.0 |
| 4039 | South Bruce Grey Health Centre (Walkerton) | South West | South West | - | - | - | ** | 40.0 | 40.0 |
| 3734 | Grand River Hospital Corp (Waterloo) | Waterloo Wellington | Central South | - | - | - | ** | 85.0 | 85.0 |
| 1160 | Joseph Brant Memorial Hospital | Hamilton Niagara Haldimand Brant | Central South | - | - | - | ** | 127.0 | 127.0 |
| 1982 | Hamilton Health Sciences Corp (General) | Hamilton Niagara Haldimand Brant | Central South | ** | 137.0 | 137.0 | ** | 97.0 | 103.0 |
| 2003 | St. Joseph's Health Care System (Hamilton) | Hamilton Niagara Haldimand Brant | Central South | - | - | - | - | - | - |
| 4213 | Niagara Health System (Greater Niagara) | Hamilton Niagara Haldimand Brant | Central South | - | - | - | - | - | - |
| 4675 | Brant Community Healthcare System (Brantford) | Hamilton Niagara Haldimand Brant | Central South | - | - | - | - | - | - |
| 4681 | William Osler Health System (Civic) | Central West | West GTA | - | - | - | - | - | - |
| 3286 | Credit Valley Hospital | Mississauga Halton | West GTA | - | - | - | - | - | - |
| 3917 | Trillium Health Centre (Mississauga) | Mississauga Halton | West GTA | ** | 84.1 | 76.0 | 10 (47.6) | 59.9 | 68.0 |
| 3926 | Halton Healthcare Services Corp (Oakville) | Mississauga Halton | West GTA | - | - | - | ** | 130.0 | 130.0 |
| 1423 | Mount Sinai Hospital | Toronto Central | Toronto - West | ** | - | - | - | - | - |
| 1443 | St. Joseph's Health Centre | Toronto Central | Toronto - West | ** | 110.0 | 110.0 | ** | - | - |
| 1444 | St. Michael's Hospital | Toronto Central | Toronto - Southeast | ** | 114.5 | 114.5 | - | - | - |
| 3910-1 | University Health Network | Toronto Central | Toronto - West | ** | 50.0 | 50.0 | ** | 91.5 | 91.5 |
| 3936 | Sunnybrook Health Sciences Centre | Toronto Central | Toronto - North & East | - | - | - | 7 (38.9) | 84.8 | 81.5 |
| 1330 | North York General Hospital | Central | Toronto - North & East | - | - | - | - | - | - |
| 1343 | Humber River Regional Hospital (York-Finch) | Central | Toronto - West | - | - | - | ** | - | - |

Exhibit 1.7s (continued)

Number and percentage of eligible adult stroke patients who received acute thrombolytic therapy (tPA) and the door-to-needle time¹, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2002/03 | | | 2004/05 | | |
|-----------------|--|----------------------------------|------------------------------|--|--|--|--|--|--|
| | | | | Patients Administered tPA ² n (%) | Mean Time to tPA Administration ³ (minutes) | Median Time to tPA Administration ³ (minutes) | Patients Administered tPA ² n (%) | Mean Time to tPA Administration ³ (minutes) | Median Time to tPA Administration ³ (minutes) |
| Ontario | | | | 284 (10.8) | 82.6 | 80.5 | 398 (15.2) | 82.4 | 82.6 |
| Institution No. | Institution (Site) ⁴ | Local Health Integration Network | Ontario Stroke System Region | | | | | | |
| 2046 | York Central Hospital | Central | Central East | - | - | - | ** | 110.0 | 110.0 |
| 3883 | Humber River Regional Hospital (Humber Memorial) | Central | Toronto – West | - | - | - | ** | 91.0 | 80.0 |
| 1768 | Peterborough Regional Health Centre | Central East | Central East | - | - | - | - | - | - |
| 3932 | Lakeridge Health Corporation (Oshawa) | Central East | South East | - | - | - | - | - | - |
| 3943 | Rouge Valley Health System (Centenary) | Central East | Toronto - Southeast | - | - | - | - | - | - |
| 4014 | Rouge Valley Health System (Ajax) | Central East | Toronto - Southeast | - | - | - | - | - | - |
| 1100 | Kingston General Hospital | South East | South East | 7 (53.8) | 69.5 | 67.5 | ** | 43.0 | 42.5 |
| 3988 | Quinte Healthcare (Belleville) | South East | South East | - | - | - | - | - | - |
| 1681 | Queensway-Carleton Hospital | Champlain | East – Champlain | ** | 118.0 | 118.0 | - | - | - |
| 1804 | Pembroke Regional Hospital Inc. | Champlain | East – Champlain | - | - | - | - | - | - |
| 4046 | Ottawa Hospital (Civic) | Champlain | East – Champlain | ** | 85.0 | 85.0 | ** | 92.5 | 92.5 |
| 4048 | Ottawa Hospital (General) | Champlain | East – Champlain | ** | 85.8 | 79.0 | 8 (53.3) | 88.3 | 78.0 |
| 4451 | Cornwall Community Hospital | Champlain | East – Champlain | - | - | - | - | - | - |
| 1825 | Royal Victoria Hospital of Barrie | North Simcoe Muskoka | Central East | - | - | - | - | - | - |
| 4616 | Muskoka Algonquin Healthcare (Huntsville) | North Simcoe Muskoka | Central East | - | - | - | - | - | - |
| 2207 | Temiskaming Hospital | North East | Northeast | - | - | - | - | - | - |
| 3411 | North Bay General Hospital (Civic/St. Joseph's) | North East | Northeast | ** | 100.0 | 100.0 | - | - | - |
| 3414 | Timmins & District General Hospital | North East | Northeast | - | - | - | - | - | - |
| 4059 | Hôpital régional de Sudbury Regional Hospital (Laurentian) | North East | Northeast | ** | 109.0 | 109.0 | ** | 81.0 | 98.0 |
| 4407 | Sault Area Hospital (Sault Ste. Marie) | North East | Northeast | - | - | - | ** | 114.3 | 115.0 |
| 2110 | Lake-of-the-Woods District Hospital | North West | Northwest | - | - | - | - | - | - |
| 2150 | Riverside Health Care Facilities (La Verendrye) | North West | Northwest | - | - | - | - | - | - |
| 3853 | Thunder Bay Regional Health Sciences Centre | North West | Northwest | ** | 119.0 | 119.0 | ** | 74.8 | 78.0 |

Exhibit 1.7s (continued)

Number and percentage of eligible adult stroke patients who received acute thrombolytic therapy (tPA) and the door-to-needle time¹, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2008/09 | | | 2010/11 | | |
|-----------------|---|----------------------------------|------------------------------|--|--|--|--|--|--|
| | | | | Patients Administered tPA ² n (%) | Mean Time to tPA Administration ³ (minutes) | Median Time to tPA Administration ³ (minutes) | Patients Administered tPA ² n (%) | Mean Time to tPA Administration ³ (minutes) | Median Time to tPA Administration ³ (minutes) |
| Ontario | | | | 809 (29.6) | 88.4 | 69.7 | 937 (32.4) | 78.8 | 70.1 |
| Institution No. | Institution (Site) ⁴ | Local Health Integration Network | Ontario Stroke System Region | | | | | | |
| 1079 | Windsor Regional Hospital (Metropolitan) | Erie St. Clair | South West | - | - | - | ** | 88.8 | 88.8 |
| 1223 | Public General Hospital Society of Chatham | Erie St. Clair | South West | ** | 75.2 | 78.0 | 14 (28.6) | 74.3 | 77.4 |
| 3707 | Hotel-Dieu Grace Hospital (St. Joseph's) | Erie St. Clair | South West | ** | 144.2 | 153.0 | 27 (40.9) | 99.6 | 96.0 |
| 4415 | Bluewater Health (Sarnia) | Erie St. Clair | South West | ** | 282.0 | 282.0 | 8 (22.9) | 89.5 | 103.8 |
| 1206 | Alexandra Marine & General Hospital | South West | South West | - | - | - | ** | 67.5 | 67.5 |
| 1497 | St. Joseph's Health Care, London | South West | South West | - | - | - | - | - | - |
| 1754 | Stratford General Hospital | South West | South West | ** | 76.7 | 74.1 | 8 (32.0) | 79.3 | 76.5 |
| 3850-1 | London Health Sciences Centre (University) | South West | South West | 6 (40.0) | 68.0 | 63.9 | 38 (29.9) | 67.3 | 64.2 |
| 3944 | Grey Bruce Health Services (Owen Sound) | South West | South West | ** | 94.2 | 90.0 | 9 (27.3) | 68.7 | 75.0 |
| 4039 | South Bruce Grey Health Centre (Walkerton) | South West | South West | - | - | - | - | - | - |
| 3734 | Grand River Hospital Corp (Waterloo) | Waterloo Wellington | Central South | ** | 64.5 | 64.5 | 39 (39.8) | 83.5 | 82.5 |
| 1160 | Joseph Brant Memorial Hospital | Hamilton Niagara Haldimand Brant | Central South | - | - | - | ** | 93.2 | 114.0 |
| 1982 | Hamilton Health Sciences Corp (General) | Hamilton Niagara Haldimand Brant | Central South | 8 (47.1) | 90.3 | 79.5 | 37 (42.5) | 78.1 | 74.4 |
| 2003 | St. Joseph's Health Care System (Hamilton) | Hamilton Niagara Haldimand Brant | Central South | ** | 163.2 | 163.2 | - | - | - |
| 4213 | Niagara Health System (Greater Niagara) | Hamilton Niagara Haldimand Brant | Central South | 8 (53.3) | 74.3 | 68.7 | 43 (56.6) | 102.8 | 34.5 |
| 4675 | Brant Community Healthcare System (Brantford) | Hamilton Niagara Haldimand Brant | Central South | ** | 103.8 | 103.8 | 18 (40.0) | 105.9 | 90.6 |
| 4681 | William Osler Health System (Civic) | Central West | West GTA | - | - | - | ** | 153.0 | 153.0 |
| 3286 | Credit Valley Hospital | Mississauga Halton | West GTA | ** | 52.8 | 52.8 | - | - | - |
| 3917 | Trillium Health Centre (Mississauga) | Mississauga Halton | West GTA | 19 (57.6) | 74.0 | 62.4 | 121 (64.0) | 75.8 | 75.0 |
| 3926 | Halton Healthcare Services Corp (Oakville) | Mississauga Halton | West GTA | - | - | - | ** | 100.2 | 100.2 |
| 1423 | Mount Sinai Hospital | Toronto Central | Toronto - West | ** | 147.0 | 147.0 | ** | 88.2 | 88.2 |
| 1443 | St. Joseph's Health Centre | Toronto Central | Toronto - West | - | - | - | - | - | - |
| 1444 | St. Michael's Hospital | Toronto Central | Toronto - Southeast | ** | 68.2 | 64.8 | 33 (48.5) | 84.2 | 78.0 |
| 3910-1 | University Health Network | Toronto Central | Toronto - West | 6 (50.0) | 85.4 | 87.6 | 44 (50.0) | 86.0 | 81.0 |
| 3936 | Sunnybrook Health Sciences Centre | Toronto Central | Toronto - North & East | 12 (52.2) | 70.9 | 64.8 | 63 (51.2) | 86.8 | 82.8 |
| 1330 | North York General Hospital | Central | Toronto - North & East | ** | 54.0 | 54.0 | - | - | - |
| 1343 | Humber River Regional Hospital (York-Finch) | Central | Toronto - West | - | - | - | - | - | - |
| 2046 | York Central Hospital | Central | Central East | 6 (50.0) | 83.9 | 83.1 | 44 (52.4) | 72.2 | 69.0 |

Exhibit 1.7s (continued)

Number and percentage of eligible adult stroke patients who received acute thrombolytic therapy (tPA) and the door-to-needle time¹, in Ontario and by facility, 2002/03, 2004/05, 2008/09 and 2010/11

| Group/Subgroup | | | | 2008/09 | | | 2010/11 | | |
|-----------------|--|----------------------------------|------------------------------|--|--|--|--|--|--|
| | | | | Patients Administered tPA ² n (%) | Mean Time to tPA Administration ³ (minutes) | Median Time to tPA Administration ³ (minutes) | Patients Administered tPA ² n (%) | Mean Time to tPA Administration ³ (minutes) | Median Time to tPA Administration ³ (minutes) |
| Ontario | | | | 809 (29.6) | 88.4 | 69.7 | 937 (32.4) | 78.8 | 70.1 |
| Institution No. | Institution (Site) ⁴ | Local Health Integration Network | Ontario Stroke System Region | | | | | | |
| 3883 | Humber River Regional Hospital (Humber Memorial) | Central | Toronto – West | - | - | - | - | - | - |
| 1768 | Peterborough Regional Health Centre | Central East | Central East | ** | 275.9 | 64.2 | 43 (56.6) | 63.3 | 61.2 |
| 3932 | Lakeridge Health Corporation (Oshawa) | Central East | South East | - | - | - | 48 (53.9) | 71.0 | 66.6 |
| 3943 | Rouge Valley Health System (Centenary) | Central East | Toronto - Southeast | - | - | - | ** | 28.2 | 28.2 |
| 4014 | Rouge Valley Health System (Ajax) | Central East | Toronto - Southeast | - | - | - | ** | 42.0 | 42.0 |
| 1100 | Kingston General Hospital | South East | South East | 7 (38.9) | 54.1 | 46.2 | 51 (60.7) | 46.5 | 37.8 |
| 3988 | Quinte Healthcare (Belleville) | South East | South East | - | - | - | ** | 59.7 | 58.5 |
| 1681 | Queensway-Carleton Hospital | Champlain | East – Champlain | - | - | - | - | - | - |
| 1804 | Pembroke Regional Hospital Inc. | Champlain | East – Champlain | ** | 92.2 | 67.8 | 7 (25.9) | 80.6 | 90.0 |
| 4046 | Ottawa Hospital (Civic) | Champlain | East – Champlain | 8 (53.3) | 97.2 | 94.2 | 82 (47.4) | 58.8 | 51.6 |
| 4048 | Ottawa Hospital (General) | Champlain | East – Champlain | ** | 128.4 | 128.4 | - | - | - |
| 4451 | Cornwall Community Hospital | Champlain | East – Champlain | - | - | - | ** | 58.4 | 67.2 |
| 1825 | Royal Victoria Hospital of Barrie | North Simcoe Muskoka | Central East | 6 (54.5) | 75.4 | 77.4 | 26 (44.1) | 81.4 | 79.8 |
| 4616 | Muskoka Algonquin Healthcare (Huntsville) | North Simcoe Muskoka | Central East | ** | 56.4 | 60.0 | 8 (66.7) | 74.9 | 77.1 |
| 2207 | Temiskaming Hospital | North East | Northeast | - | - | - | ** | 67.4 | 63.0 |
| 3411 | North Bay General Hospital (Civic/St. Joseph's) | North East | Northeast | ** | 64.2 | 64.2 | 15 (39.5) | 76.3 | 82.2 |
| 3414 | Timmins & District General Hospital | North East | Northeast | ** | 78.5 | 85.8 | ** | 76.2 | 76.2 |
| 4059 | Hôpital régional de Sudbury Regional Hospital (Laurentian) | North East | Northeast | ** | 77.4 | 77.4 | 14 (30.4) | 95.4 | 87.6 |
| 4407 | Sault Area Hospital (Sault Ste. Marie) | North East | Northeast | - | - | - | ** | 464.0 | 151.2 |
| 2110 | Lake-of-the-Woods District Hospital | North West | Northwest | - | - | - | ** | 136.0 | 117.0 |
| 2150 | Riverside Health Care Facilities (La Verendrye) | North West | Northwest | - | - | - | ** | 153.9 | 153.9 |
| 3853 | Thunder Bay Regional Health Sciences Centre | North West | Northwest | ** | 54.0 | 54.0 | 16 (28.1) | 79.3 | 66.9 |

Data source: Registry of the Canadian Stroke Network, Ontario Stroke Audit (OSA), 2002/03, 2004/05, 2008/09 and 2010/11.

Inclusion criteria: All ischemic stroke patients aged ≥18 years admitted to an emergency department or inpatient care at an acute care facility in Ontario.

¹ Time between a patient's arrival in hospital to the time tPA was first administered.

² Among ischemic stroke patients who arrived at an emergency department within the treatment window (considered to be within 2.5 hours of symptom onset from 2002/03 to 2009/10 and within 3.5 hours of symptom onset in 2010/11), who do not have contraindications to tPA (N = 2,636 in 2002/03, 2,625 in 2004/05, 2,735 in 2008/09 and 2,895 in 2010/11).

³ Among patients who receive tPA intravenously (N = 357 in 2002/03, 369 in 2004/05 and 884 in 2008/09).

⁴ Facility values are unweighted.

** Cell value suppressed for reasons of privacy and confidentiality.

Notes:

(1) Facility-based analysis (i.e., the location of the facility is used to report regional performance).

(2) Excludes all NACRS records with ICD codes that include the prefix "Q" (suspected, questionable diagnoses) starting in 2008/09.

(3) Cells in which there were no reported/available data are marked with a hyphen (-).

(4) Facilities with no reportable data are not displayed.

tPA = tissue plasminogen activator