

Ontario Stroke Evaluation Report 2011

Improving System Efficiency by Implementing Stroke Best Practices

Supplementary Materials

Exhibit 1.2a

Age- and sex-adjusted¹ rates of stroke or transient ischemic attack (TIA) for adult patients² arriving in the emergency department per 1,000 sub-Local Health Integration Network population, in Ontario and by sub-LHIN, 2003/04 to 2009/10

		2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Group/Sub-Group		Age- and Sex-adjusted Rate (n)						
Ontario		2.0 (18,935)	2.0 (19,527)	2.0 (19,617)	1.9 (18,827)	1.9 (19,051)	1.9 (19,463)	1.9 (19,979)
Local Health Integration Network	Sub-Local Health Integration Network							
Erie St. Clair	Essex	2.4 (724)	2.5 (777)	2.5 (772)	2.1 (650)	1.9 (612)	2.4 (764)	2.5 (810)
Erie St. Clair	Chatham-Kent	2.7 (259)	2.5 (241)	2.7 (264)	2.3 (228)	2.3 (231)	2.3 (230)	2.7 (272)
Erie St. Clair	Lambton	2.0 (246)	2.5 (307)	2.3 (291)	2.2 (266)	1.9 (241)	1.9 (238)	2.1 (272)
South West	Bruce	2.3 (150)	2.4 (158)	2.1 (140)	1.9 (133)	2.1 (141)	2.2 (143)	2.4 (161)
South West	Grey	2.1 (169)	2.0 (167)	2.3 (197)	2.3 (192)	2.1 (184)	2.3 (199)	2.3 (203)
South West	Huron	1.5 (93)	2.0 (118)	2.2 (133)	2.0 (122)	2.1 (128)	2.1 (123)	2.3 (142)
South West	Perth	1.8 (120)	2.1 (138)	1.8 (121)	1.8 (125)	1.5 (104)	1.7 (116)	1.8 (120)
South West	Middlesex	1.3 (447)	1.3 (454)	1.6 (541)	1.6 (544)	1.8 (648)	1.6 (590)	1.9 (697)
South West	Oxford-Norfolk	2.0 (207)	2.2 (226)	2.0 (213)	1.9 (197)	1.8 (189)	2.0 (210)	2.2 (231)
South West	Elgin	2.1 (141)	2.3 (162)	2.2 (158)	2.2 (158)	2.2 (156)	2.3 (163)	2.1 (148)
Waterloo Wellington	Urban Waterloo & Rural Waterloo South	2.1 (596)	2.4 (707)	2.1 (633)	1.9 (577)	1.8 (576)	2.0(622)	2.1 (670)
Waterloo Wellington	Urban Guelph	1.5 (133)	1.6 (147)	1.8 (163)	1.5 (145)	1.4 (130)	1.7 (168)	1.7 (168)
Waterloo Wellington	Rural Waterloo	1.4 (49)	1.8 (65)	1.6 (60)	1.5 (57)	1.5 (58)	1.3 (52)	1.6 (63)
Waterloo Wellington	Rural – South Grey & North Wellington	2.8 (66)	2.5 (61)	2.4 (62)	2.2 (55)	2.4 (63)	2.3 (58)	2.0 (52)
Waterloo Wellington	Rural Wellington	1.6 (64)	1.8 (74)	1.9 (81)	1.4 (63)	1.7 (77)	1.5 (67)	1.9 (85)
Hamilton Niagara Haldimand Brant	Brant & Brantford	2.1 (223)	2.0 (217)	2.3 (243)	2.3 (246)	2.5 (271)	2.2 (241)	2.1 (239)
Hamilton Niagara Haldimand Brant	New Credit & Six Nations	4.5 (15)	4.6 (10)	4.4 (11)	6.1 (17)	3.2 (9)	3.9 (13)	3.6 (13)
Hamilton Niagara Haldimand Brant	Haldimand & Norfolk	2.4 (199)	3.0(250)	2.4 (206)	2.2 (189)	2.2 (192)	2.3 (194)	2.3 (203)
Hamilton Niagara Haldimand Brant	Burlington	1.4 (202)	1.5 (216)	1.5 (221)	1.4 (208)	1.5 (225)	1.5 (235)	1.5 (249)
Hamilton Niagara Haldimand Brant	East Niagara	1.8 (195)	2.0 (213)	2.1 (229)	1.8 (195)	1.8 (200)	1.7 (190)	1.9 (212)
Hamilton Niagara Haldimand Brant	North Niagara	2.1 (357)	2.1 (361)	2.5 (419)	2.0 (345)	2.2 (379)	2.1 (364)	2.0 (356)
Hamilton Niagara Haldimand Brant	South Niagara	1.7 (152)	2.0 (186)	1.4 (130)	1.5 (133)	1.5 (135)	1.9 (170)	1.8 (167)
Hamilton Niagara Haldimand Brant	West Niagara	1.9 (94)	2.0 (97)	2.0 (101)	1.6 (84)	1.7 (91)	1.5 (79)	1.9 (101)
Hamilton Niagara Haldimand Brant	Stoney Creek	1.6 (85)	1.7 (93)	2.0 (112)	1.9 (106)	2.1 (116)	1.5 (85)	2.0 (113)
Hamilton Niagara Haldimand Brant	Glanbrook	1.5 (20)	1.1 (15)	1.7 (23)	1.5 (20)	2.2 (29)	2.3 (31)	2.1 (29)
Hamilton Niagara Haldimand Brant	Ancaster	2.0 (58)	2.1 (61)	1.8 (53)	1.5 (44)	1.6 (49)	1.7 (52)	1.2 (36)
Hamilton Niagara Haldimand Brant	Flamborough	1.2 (40)	1.0 (35)	1.4 (49)	1.0 (33)	1.3 (46)	1.1 (38)	1.1 (39)
Hamilton Niagara Haldimand Brant	Dundas	2.3 (48)	2.1 (45)	2.2 (47)	2.2 (50)	2.6 (57)	2.7 (60)	2.4 (54)
Hamilton Niagara Haldimand Brant	Hamilton Urban Core	3.0 (248)	2.5 (215)	2.5 (212)	2.3 (199)	2.3 (199)	2.4 (205)	2.2 (191)
Hamilton Niagara Haldimand Brant	Hamilton Outer Core	2.3 (455)	2.1 (427)	2.1 (418)	2.0 (401)	1.9 (395)	2.1 (425)	1.9 (407)
Central West	Dufferin County	3.2 (104)	2.0 (67)	1.9 (68)	2.0 (72)	2.3 (85)	2.2 (79)	1.7 (66)
Central West	Malton (Mississauga)	2.0 (43)	1.5 (35)	1.6 (39)	1.7 (39)	1.5 (37)	1.8 (45)	2.1 (55)
Central West	Caledon	1.5 (44)	1.5 (46)	1.5 (47)	1.76 (59)	1.9 (60)	1.7 (60)	1.6 (59)
Central West	Brampton	1.8 (361)	2.0 (418)	2.0 (437)	1.7 (381)	1.8 (416)	2.0 (486)	1.8 (457)
Central West	Rexdale (Toronto)	2.4 (219)	1.9 (180)	1.6 (161)	2.0 (203)	1.9 (199)	1.9 (191)	1.8 (193)
Central West	Woodbridge (Vaughan)	2.4 (35)	2.5 (39)	2.3 (38)	3.1 (53)	2.2 (35)	2.1 (38)	2.3 (43)
Mississauga Halton	Milton	1.3 (35)	1.6 (45)	1.4 (40)	1.8 (54)	1.2 (39)	1.7 (58)	2.0 (69)
Mississauga Halton	Halton Hills	1.9 (62)	2.2 (69)	1.8 (61)	1.2 (44)	1.5 (53)	1.6 (59)	1.7 (68)
Mississauga Halton	Oakville	1.6 (171)	1.5 (171)	1.7 (195)	1.9 (220)	1.5 (179)	1.4 (177)	1.4 (189)
Mississauga Halton	Northwest Mississauga	1.2 (201)	1.2 (215)	1.3 (237)	1.2 (214)	1.3 (262)	1.2 (249)	1.2 (268)
Mississauga Halton	Southeast Mississauga	2.1 (401)	2.0 (390)	2.0 (411)	1.7 (347)	1.8 (384)	2.0 (437)	1.9 (425)
Mississauga Halton	South Etobicoke – Toronto	2.3 (185)	2.7 (226)	2.3 (195)	2.4 (212)	1.9 (170)	2.1 (185)	2.5 (227)
Toronto Central	West	1.9 (221)	2.0 (238)	2.3 (271)	2.0 (242)	2.1 (250)	1.9 (220)	1.9 (238)
Toronto Central	North West	1.9 (309)	1.8 (297)	1.8 (302)	1.9 (311)	1.8 (305)	2.0(328)	1.7 (297)

Exhibit 1.2a (continued)

Age- and sex-adjusted¹ rates of stroke or transient ischemic attack (TIA) for adult patients² arriving in the emergency department per 1,000 sub-Local Health Integration Network population, in Ontario and by sub-LHIN, 2003/04 to 2009/10

		2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Group/Sub-Group		Age- and Sex-adjusted Rate (n)						
Ontario		2.0 (18,935)	2.0 (19,527)	2.0 (19,617)	1.9 (18,827)	1.9 (19,051)	1.9 (19,463)	1.9 (19,979)
Local Health Integration Network	Sub-Local Health Integration Network							
Toronto Central	South West	1.6 (172)	1.7 (184)	1.4 (162)	1.7 (195)	1.6 (175)	1.7 (194)	1.8 (201)
Toronto Central	North Toronto	1.8 (412)	1.7 (396)	1.8 (431)	1.7 (394)	1.8 (413)	1.7 (394)	1.8 (426)
Toronto Central	South East	1.3 (130)	1.6 (166)	1.2 (120)	1.5 (160)	1.4 (140)	1.5 (152)	1.7 (184)
Toronto Central	East	2.1 (178)	2.2 (183)	1.7 (145)	1.4 (121)	1.5 (127)	1.6 (139)	1.8 (156)
Toronto Central	North East	1.8 (173)	2.0 (193)	1.7 (159)	1.6 (151)	1.8 (173)	1.8 (171)	1.6 (158)
Central	South Simcoe & Northern York Region	1.9 (128)	1.9 (132)	1.8 (130)	1.8 (133)	1.8 (137)	1.9 (152)	1.8 (144)
Central	Central York Region	2.3 (264)	2.0 (233)	1.9 (224)	2.1 (253)	1.7 (222)	1.9 (265)	1.8 (248)
Central	Richmond Hill	1.4 (132)	1.7 (164)	1.9 (191)	1.6 (158)	1.9 (205)	1.9 (217)	1.5 (172)
Central	South West York Region	1.4 (157)	1.7 (196)	1.5 (179)	1.6 (192)	1.5 (191)	1.8 (239)	1.7 (246)
Central	North York West	2.1 (380)	1.9 (345)	2.0 (388)	1.9 (372)	1.8 (342)	1.9 (366)	1.9 (381)
Central	North York Central	2.2 (448)	2.1 (431)	1.8 (386)	1.8 (397)	1.9 (415)	1.7 (399)	1.5 (363)
Central	North York East	1.5 (134)	1.8 (169)	1.8 (174)	1.6 (164)	1.5 (154)	1.5 (153)	1.4 (145)
Central	Markham	1.5 (224)	1.5 (241)	1.6 (267)	1.6 (268)	1.5 (263)	1.4 (264)	1.5 (284)
Central East	North East Cluster	2.1 (631)	2.0 (632)	2.0 (631)	2.0 (627)	2.0 (652)	2.0 (633)	2.1 (652)
Central East	Durham Cluster	2.0 (709)	2.3 (809)	2.2 (814)	2.2 (816)	2.0 (774)	2.0 (812)	2.3 (929)
Central East	Scarborough Cluster	1.9 (869)	1.9 (865)	1.9 (922)	1.7 (838)	1.7 (849)	1.7 (840)	1.6 (816)
South East	Addington North & Central Frontenac	3.3 (33)	1.9 (21)	2.2 (23)	3.0 (29)	2.7 (28)	2.1 (24)	2.8 (28)
South East	Belleville	2.4 (116)	2.3 (114)	2.1 (107)	1.8 (92)	2.3 (125)	2.3 (120)	2.0 (108)
South East	Brockville	2.4 (100)	2.6 (102)	2.4 (96)	2.6 (104)	2.2 (92)	2.6 (104)	2.3 (93)
South East	Central Hastings	2.0 (41)	2.3 (45)	2.4 (48)	1.8 (41)	1.8 (38)	1.7 (38)	2.2 (49)
South East	Gananoque, Leeds	2.2 (33)	2.0 (30)	1.8 (27)	1.9 (28)	2.0 (30)	1.0 (16)	2.0 (31)
South East	Kingston & Islands	2.1 (222)	2.1 (234)	1.9 (206)	1.9 (209)	2.0(218)	1.6 (179)	1.8 (210)
South East	North Hastings	2.6 (33)	3.0 (35)	2.6 (36)	2.3 (28)	2.5 (32)	3.1 (40)	2.0 (27)
South East	Prince Edward County	2.1 (65)	2.5 (76)	2.1 (64)	2.2 (69)	2.6 (79)	1.9 (59)	2.7 (79)
South East	Quinte West, Brighton	1.7 (80)	1.6 (75)	1.6 (76)	1.5 (70)	1.6 (77)	1.8 (85)	1.9 (90)
South East	Rideau Lakes	2.1 (25)	2.7 (29)	1.4 (16)	2.0 (22)	2.3 (26)	2.7 (31)	2.0 (25)
South East	SE Leeds & Grenville	2.3 (38)	2.0 (33)	2.7 (43)	2.6 (42)	2.8 (50)	2.2 (38)	2.3 (40)
South East	Smiths Falls, Perth, Lanark	3.8 (128)	3.2 (115)	2.5 (90)	2.7 (94)	2.6 (95)	2.4 (84)	2.0 (71)
South East	South Frontenac	2.1 (23)	2.6 (34)	1.5 (19)	2.5 (30)	1.9 (24)	1.5 (21)	1.1 (15)
South East	Stone Mills Loyalist	1.7 (30)	1.5 (27)	2.1 (37)	1.7 (32)	2.6 (47)	1.5 (28)	1.7 (34)
South East	Tyendinaga Napanee	1.6 (33)	2.9 (62)	2.2 (45)	2.0 (42)	2.3 (48)	2.9 (60)	1.7 (37)
Champlain	Ottawa Centre	2.1 (352)	2.0 (353)	2.0 (353)	2.0 (356)	1.8 (333)	2.0 (375)	1.8 (334)
Champlain	Ottawa East	1.8 (294)	1.9 (301)	2.0 (321)	2.0 (331)	1.8 (310)	1.7 (293)	1.7 (285)
Champlain	Ottawa West	2.2 (606)	2.2 (609)	2.2 (609)	2.0 (579)	2.1 (605)	2.0 (587)	1.9 (563)
Champlain	Renfrew County	2.8 (255)	2.6 (232)	2.8 (254)	2.9 (269)	2.6 (246)	2.6 (243)	2.8 (262)
Champlain	North Lanark/North Grenville	2.7 (99)	2.5 (93)	2.7 (98)	2.5 (95)	2.4 (91)	2.1 (82)	1.9 (72)
Champlain	Eastern Counties	2.2 (355)	2.3 (376)	2.2 (354)	2.1 (351)	2.1 (359)	2.1 (365)	2.2 (378)
North Simcoe Muskoka	Collingwood & Area	2.1 (108)	2.4 (128)	1.9 (109)	1.9 (104)	2.2 (121)	1.7 (102)	1.8 (100)
North Simcoe Muskoka	Barrie & Area	1.9 (254)	1.96 (278)	1.8 (256)	1.6 (231)	1.8 (267)	2.0 (310)	2.0 (319)
North Simcoe Muskoka	Orillia & Area	2.3 (119)	2.4 (122)	2.2 (116)	2.5 (137)	2.6 (144)	2.0 (117)	1.9 (109)
North Simcoe Muskoka	Midland & Penetanguishene Area	3.7 (157)	3.0 (134)	3.0 (137)	2.5 (116)	2.5 (118)	2.0 (97)	2.4 (118)
North Simcoe Muskoka	Muskoka	2.2 (131)	2.1 (128)	2.0 (121)	1.7 (106)	1.9 (123)	1.9 (123)	1.9 (124)
North East	Algoma	2.3 (266)	2.0 (245)	2.2 (269)	1.9 (232)	2.0 (246)	2.2 (279)	2.2 (264)
North East	James & Hudson Bay Coasts	**	-	**	**	2.4 (6)	2.7 (7)	4.2 (11)

Exhibit 1.2a (continued)

Age- and sex-adjusted¹ rates of stroke or transient ischemic attack (TIA) for adult patients² arriving in the emergency department per 1,000 sub-Local Health Integration Network population, in Ontario and by sub-LHIN, 2003/04 to 2009/10

Group/Sub-Group		2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
		Age- and Sex-adjusted Rate (n)						
Ontario		2.0 (18,935)	2.0 (19,527)	2.0 (19,617)	1.9 (18,827)	1.9 (19,051)	1.9 (19,463)	1.9 (19,979)
Local Health Integration Network	Sub-Local Health Integration Network							
North East	Nipissing	2.4 (180)	2.0 (153)	2.8 (213)	2.1 (162)	2.6 (191)	2.4 (185)	2.8 (206)
North East	Parry Sound	2.2 (97)	2.3 (106)	2.1 (97)	2.0 (93)	2.1 (96)	2.0 (92)	1.8 (84)
North East	Manitoulin-Sudbury	2.4 (390)	2.2 (357)	2.3 (381)	2.3 (380)	2.1 (352)	2.2 (370)	2.0 (340)
North East	Timiskaming	1.7 (55)	1.8 (58)	1.9 (62)	2.8 (93)	3.0 (96)	2.2 (73)	2.3 (75)
North East	Cochrane	2.8 (181)	2.2 (140)	2.4 (153)	2.1 (139)	1.8 (120)	1.9 (123)	2.1 (137)
North West	Kenora	2.7 (111)	2.4 (106)	2.3 (101)	2.8 (120)	2.7 (114)	2.5 (106)	2.5 (109)
North West	Rainy River	2.5 (49)	3.0 (61)	2.9 (59)	3.3 (67)	2.4 (47)	3.0 (60)	2.6 (53)
North West	Thunder Bay District	2.0 (37)	2.4 (44)	2.5 (48)	2.8 (51)	1.6 (28)	3.3 (60)	3.5 (62)
North West	Thunder Bay City	2.5 (282)	2.5 (282)	2.3 (268)	2.2 (253)	2.1 (245)	2.1 (249)	2.2 (258)

Data sources: Canadian Institute for Health Information, National Ambulatory Care Reporting System (CIHI-NACRS), 2003/04 to 2009/10; Statistics Canada, Census of Canada, 1996.

Inclusion criteria: Patients aged ≥18 years.

Exclusion criteria: Patients with a scheduled emergency department visit.

¹ Age- and sex-adjusted rates used each year's population of Ontario as the standard.

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

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

(4) Indicates significance difference from provincial rate at the <0.0001 level

Exhibit 1.4a

Number and percentage of adult stroke or transient ischemic attack (TIA) patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
				n (%)						
Ontario				18,961	19,547	19,639	18,840	19,066	19,477	20,002
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region							
1067	Leamington District Memorial Hospital	Erie St. Clair	Southwest	45 (53.6)	37 (48.7)	37 (38.5)	45 (56.3)	41 (53.2)	63 (58.9)	49 (57.0)
1079	Windsor Regional Hospital (Metropolitan)	Erie St. Clair	Southwest	102 (49.0)	102 (44.7)	112 (51.4)	89 (51.7)	82 (53.2)	112 (48.1)	121 (48.0)
1223	Public General Hospital Society of Chatham	Erie St. Clair	Southwest	114 (64.0)	102 (56.7)	105 (51.2)	105 (55.6)	111 (62.4)	107 (57.2)	135 (57.2)
1239	Sydenham District Hospital	Erie St. Clair	Southwest	25 (51.0)	14 (32.6)	15 (38.5)	18 (54.5)	17 (41.5)	14 (46.7)	14 (48.3)
3707	Hotel-Dieu Grace Hospital (St. Joseph's)	Erie St. Clair	Southwest	281 (63.7)	304 (62.7)	273 (60.1)	229 (56.4)	263 (69.2)	268 (62.6)	308 (65.1)
4415	Bluewater Health (Sarnia General)	Erie St. Clair	Southwest	70 (36.8)	90 (37.0)	116 (49.4)	98 (46.4)	97 (47.3)	84 (42.6)	96 (43.4)
4418	Bluewater Health (Petrolia)	Erie St. Clair	Southwest	14 (40.0)	16 (61.5)	13 (48.1)	8 (33.3)	**	**	**
1030	Grey Bruce Health Services (Lion's Head)	South West	Southwest	**	**	**	**	**	**	**
1059	St. Thomas-Elgin General Hospital	South West	Southwest	51 (45.9)	57 (48.3)	57 (50.0)	68 (53.5)	50 (45.9)	50 (42.7)	51 (48.1)
1124	Hanover & District Hospital	South West	Southwest	14 (50.0)	14 (43.8)	9 (32.1)	9 (31.0)	15 (48.4)	8 (25.0)	9 (22.5)
1199	Clinton Public Hospital	South West	Southwest	9 (75.0)	6 (35.3)	9 (37.5)	9 (42.9)	**	**	8 (40.0)
1203	South Huron Hospital	South West	Southwest	12 (57.1)	13 (38.2)	12 (46.2)	16 (50.0)	14 (48.3)	14 (35.9)	9 (32.1)
1206	Alexandra Marine & General Hospital	South West	Southwest	8 (42.1)	7 (36.8)	8 (22.2)	8 (47.1)	13 (44.8)	8 (26.7)	15 (39.5)
1213	Seaforth Community Hospital	South West	Southwest	**	12 (41.4)	6 (31.6)	11 (40.7)	6 (18.2)	9 (37.5)	6 (26.1)
1217	Wingham & District Hospital	South West	Southwest	8 (34.8)	**	9 (32.1)	11 (44.0)	11 (52.4)	**	13 (36.1)
1497	St. Joseph's Health Care, London	South West	Southwest	-	-	-	-	-	-	-
1507	Four Counties Health Services Corp	South West	Southwest	14 (45.2)	11 (34.4)	11 (42.3)	**	9 (50.0)	8 (57.1)	7 (38.9)
1515	Strathroy Middlesex General Hospital	South West	Southwest	26 (42.6)	36 (48.6)	28 (41.2)	33 (52.4)	26 (44.8)	20 (50.0)	36 (54.5)
1696	Alexandra Hospital	South West	Southwest	15 (51.7)	6 (28.6)	15 (50.0)	11 (52.4)	8 (42.1)	**	20 (54.1)
1709	Tillsonburg District Memorial Hospital	South West	Southwest	28 (43.1)	45 (50.0)	26 (37.7)	29 (40.8)	33 (58.9)	35 (47.3)	30 (41.1)
1716	Woodstock General Hospital	South West	Southwest	37 (48.1)	30 (35.7)	27 (36.0)	34 (42.5)	32 (45.7)	41 (50.6)	34 (37.8)
1740	Listowel Memorial Hospital	South West	Southwest	12 (60.0)	10 (50.0)	**	17 (47.2)	**	8 (44.4)	7 (31.8)
1748	St. Mary's Memorial Hospital	South West	Southwest	**	7 (24.1)	7 (22.6)	9 (31.0)	7 (33.3)	6 (31.6)	**
1754	Stratford General Hospital	South West	Southwest	51 (54.8)	68 (61.8)	64 (56.6)	48 (58.5)	68 (70.1)	72 (70.6)	59 (54.1)
3850	London Health Sciences Ctr (University)	South West	Southwest	272 (58.4)	257 (56.2)	285 (56.1)	277 (54.3)	381 (60.7)	377 (62.5)	432 (61.9)
3907	South Bruce Grey Health Ctr (Kincardine)	South West	Southwest	14 (48.3)	7 (30.4)	10 (34.5)	7 (41.2)	11 (44.0)	7 (33.3)	14 (48.3)
3944	Grey Bruce Health Services (Owen Sound)	South West	Southwest	79 (66.4)	49 (50.5)	73 (62.9)	68 (54.8)	79 (60.3)	78 (61.4)	71 (53.8)
4025	Grey Bruce Health Services (Markdale)	South West	Southwest	8 (44.4)	12 (46.2)	10 (38.5)	12 (50.0)	11 (45.8)	11 (37.9)	13 (40.6)
4027	Grey Bruce Health Services (Meaford)	South West	Southwest	8 (42.1)	12 (54.5)	15 (50.0)	9 (33.3)	7 (33.3)	8 (34.8)	7 (30.4)
4030	Grey Bruce Health Services (Southampton)	South West	Southwest	13 (61.9)	10 (33.3)	10 (27.8)	12 (36.4)	8 (30.8)	13 (40.6)	11 (34.4)
4033	Grey Bruce Health Services (Warton)	South West	Southwest	9 (37.5)	12 (42.9)	8 (47.1)	10 (35.7)	7 (58.3)	**	7 (36.8)
4036	South Bruce Grey Health Centre (Durham)	South West	Southwest	8 (50.0)	**	8 (29.6)	6 (33.3)	**	10 (50.0)	**
4039	South Bruce Grey Health Centre (Walkerton)	South West	Southwest	14 (35.9)	17 (45.9)	8 (26.7)	10 (34.5)	13 (35.1)	**	10 (31.3)
4042	South Bruce Grey Health Centre (Chesley)	South West	Southwest	-	6 (46.2)	**	**	**	**	**
4379	Grey Bruce Health Services (Tobermory)	South West	Southwest	-	-	-	**	-	-	-
1905	Cambridge Memorial Hospital	Waterloo Wellington	Central South	74 (52.1)	75 (40.8)	61 (41.2)	64 (47.8)	63 (50.0)	67 (47.9)	76 (49.4)
1921	St. Mary's General Hospital	Waterloo Wellington	Central South	114 (46.5)	34 (19.5)	28 (17.6)	28 (19.9)	21 (18.3)	24 (16.7)	23 (14.9)
1936	Groves Memorial Community Hospital	Waterloo Wellington	Central South	27 (50.9)	14 (30.4)	19 (37.3)	15 (39.5)	22 (35.5)	26 (57.8)	28 (47.5)
1946	Guelph General Hospital	Waterloo Wellington	Central South	73 (54.9)	64 (46.7)	90 (55.9)	75 (54.0)	64 (57.7)	94 (61.0)	88 (55.3)
3734	Grand River Hospital Corp (Waterloo)	Waterloo Wellington	Central South	170 (66.1)	319 (68.2)	285 (71.4)	300 (75.0)	307 (72.6)	343 (77.3)	362 (77.5)
4323	North Wellington Hlth Care (Mount Forest)	Waterloo Wellington	Central South	14 (50.0)	10 (40.0)	8 (25.8)	**	**	13 (41.9)	-
4326	North Wellington Hlth Care (Palmerston)	Waterloo Wellington	Central South	**	6 (23.1)	11 (47.8)	**	**	**	7 (46.7)
1146	Haldimand War Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	18 (40.9)	13 (27.7)	8 (14.8)	9 (25.0)	12 (37.5)	14 (41.2)	12 (37.5)

Exhibit 1.4a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
				n (%)						
Ontario				18,961	19,547	19,639	18,840	19,066	19,477	20,002
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region							
1149	West Haldimand General Hospital	Hamilton Niagara Haldimand Brant	Central South	14 (36.8)	25 (47.2)	17 (40.5)	15 (34.1)	13 (34.2)	22 (52.4)	15 (41.7)
1160	Joseph Brant Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	114 (54.3)	103 (46.0)	111 (50.2)	119 (57.5)	101 (47.4)	120 (54.1)	152 (64.4)
1538	West Lincoln Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	18 (29.5)	11 (22.4)	18 (33.3)	16 (34.0)	15 (28.8)	15 (31.3)	20 (38.5)
1591	Norfolk General Hospital	Hamilton Niagara Haldimand Brant	Central South	63 (50.4)	68 (49.6)	44 (44.9)	32 (36.4)	61 (57.5)	35 (37.6)	53 (47.3)
1982	Hamilton Health Sciences Corp (General)	Hamilton Niagara Haldimand Brant	Central South	288 (62.6)	304 (67.0)	338 (68.0)	300 (65.6)	294 (57.2)	341 (68.8)	330 (69.6)
1983	Hamilton Health Sciences Corp (Henderson)	Hamilton Niagara Haldimand Brant	Central South	98 (57.0)	86 (56.6)	84 (56.0)	95 (51.4)	83 (56.5)	76 (55.5)	87 (62.6)
1994	Hamilton Health Sciences Corp (McMaster)	Hamilton Niagara Haldimand Brant	Central South	77 (56.2)	81 (49.1)	71 (53.0)	55 (56.7)	64 (49.6)	66 (62.9)	65 (59.6)
2003	St. Joseph's Health Care System (Hamilton)	Hamilton Niagara Haldimand Brant	Central South	107 (51.7)	67 (45.6)	69 (41.6)	78 (53.4)	64 (46.7)	85 (47.5)	80 (46.2)
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)	10 (40.0)	14 (33.3)	9 (31.0)	6 (19.4)	6 (26.1)	**
4213	Niagara Health System (Greater Niagara)	Hamilton Niagara Haldimand Brant	Central South	104 (60.8)	94 (46.8)	150 (65.5)	159 (68.8)	174 (71.9)	206 (76.9)	214 (68.8)
4219	Niagara Health System (Port Colborne)	Hamilton Niagara Haldimand Brant	Central South	19 (42.2)	14 (43.8)	7 (31.8)	8 (42.1)	**	**	**
4224	Niagara Health System (St. Catharines General)	Hamilton Niagara Haldimand Brant	Central South	204 (56.4)	204 (54.1)	200 (51.2)	167 (58.2)	191 (59.0)	155 (53.1)	142 (52.0)
4227	Niagara Health System (Welland County)	Hamilton Niagara Haldimand Brant	Central South	51 (52.6)	94 (62.3)	60 (65.2)	54 (58.7)	52 (59.8)	58 (54.7)	67 (55.4)
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)	110 (50.5)	135 (55.6)	152 (54.7)	174 (60.4)	169 (64.5)	181 (65.6)
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)	33 (32.7)	58 (49.6)	66 (56.9)	71 (55.5)	64 (53.3)	53 (53.0)
3929	William Osler Health System (Etobicoke)	Central West	West GTA	210 (62.3)	187 (62.3)	138 (58.5)	152 (60.8)	114 (48.7)	137 (50.9)	135 (49.3)
4016	William Osler Health System (Brampton)	Central West	West GTA	164 (52.6)	176 (52.1)	143 (49.1)	134 (48.4)	90 (54.5)	-	-
4681	William Osler Health System (Civic)	Central West	West GTA	-	-	-	-	70 (49.0)	172 (50.0)	187 (53.3)
3286	Credit Valley Hospital	Mississauga Halton	West GTA	86 (38.7)	95 (44.6)	69 (28.9)	60 (29.1)	65 (27.9)	84 (28.8)	93 (31.8)
3917	Trillium Health Centre (Mississauga)	Mississauga Halton	West GTA	366 (61.9)	387 (65.7)	455 (65.6)	475 (70.0)	475 (71.0)	481 (69.5)	495 (70.8)
3926	Halton Healthcare Services Corp (Oakville)	Mississauga Halton	West GTA	53 (30.8)	83 (43.5)	89 (40.1)	74 (33.2)	61 (29.0)	79 (43.2)	96 (47.3)
4019	William Osler Health Centre (Georgetown)	Mississauga Halton	West GTA	19 (35.8)	21 (34.4)	17 (42.5)	-	-	-	-
4022	Halton Healthcare Services Corp (Milton)	Mississauga Halton	West GTA	17 (47.2)	16 (37.2)	13 (34.2)	19 (36.5)	8 (27.6)	19 (28.8)	32 (55.2)
4363	Trillium Health Centre (West Toronto)	Mississauga Halton	West GTA	-	-	-	-	-	-	-
4622	Halton Healthcare Services Corp (Georgetown)	Mississauga Halton	West GTA	-	-	**	14 (32.6)	19 (35.2)	26 (44.8)	30 (48.4)
1302	Toronto East General Hospital	Toronto Central	Toronto – Southeast	186 (54.2)	158 (47.0)	116 (48.1)	127 (51.6)	131 (55.5)	132 (55.0)	155 (56.4)
1444	St. Michael's Hospital	Toronto Central	Toronto – Southeast	93 (55.7)	117 (47.0)	154 (58.1)	141 (51.6)	188 (59.7)	176 (51.8)	220 (59.1)
1423	Mount Sinai Hospital	Toronto Central	Toronto – West	78 (54.9)	58 (51.8)	53 (48.6)	44 (34.1)	58 (47.9)	61 (45.5)	55 (44.7)
1443	St. Joseph's Health Centre	Toronto Central	Toronto – West	165 (52.7)	168 (53.3)	127 (44.1)	115 (40.8)	176 (55.3)	134 (49.3)	154 (49.2)
3910	University Health Network	Toronto Central	Toronto – West	242 (54.1)	275 (54.6)	341 (60.1)	275 (49.3)	325 (57.1)	351 (59.6)	344 (57.0)
3936	Sunnybrook Health Sciences Centre	Toronto Central	Toronto – North & East	195 (50.9)	241 (53.1)	392 (67.8)	287 (63.4)	294 (59.8)	312 (58.9)	340 (58.5)
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)	185 (50.8)	147 (43.9)	133 (39.8)	176 (53.0)	163 (49.4)	162 (55.3)
1343	Humber River Regional Hosp (York-Finch)	Central	Toronto – West	149 (63.1)	133 (60.7)	128 (56.1)	122 (57.5)	106 (58.2)	106 (56.4)	110 (61.1)
3883	Humber River Regional Hosp (Humber Memorial)	Central	Toronto – West	169 (62.8)	124 (58.5)	126 (61.8)	135 (59.7)	119 (57.2)	139 (60.7)	126 (57.0)
1817	Stevenson Memorial Hospital, Alliston	Central	Central East	26 (60.5)	18 (50.0)	24 (57.1)	16 (51.6)	15 (46.9)	29 (64.4)	32 (62.7)
2038	Southlake Regional Health Centre	Central	Central East	164 (52.7)	147 (50.9)	156 (55.1)	148 (52.3)	161 (56.7)	159 (56.6)	142 (51.3)
2046	York Central Hospital	Central	Central East	126 (47.4)	131 (41.3)	121 (38.4)	269 (64.0)	277 (64.9)	264 (59.6)	251 (61.7)

Exhibit 1.4a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
				n (%)						
Ontario				18,961	19,547	19,639	18,840	19,066	19,477	20,002
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region							
3587	Markham Stouffville Hospital	Central	Central East	127 (60.8)	104 (52.8)	127 (50.8)	76 (38.6)	99 (52.1)	108 (49.1)	97 (43.9)
4152	Scarborough Hospital (General)	Central East	Toronto – North & East	245 (65.5)	207 (56.4)	166 (51.2)	160 (51.1)	163 (55.4)	158 (57.7)	128 (58.7)
4154	Scarborough Hospital (Grace)	Central East	Toronto – North & East	148 (63.8)	161 (63.4)	144 (56.9)	119 (56.9)	114 (54.8)	120 (55.0)	134 (63.2)
4014	Rouge Valley Health System (Ajax)	Central East	Toronto – Southeast	86 (54.4)	95 (47.5)	112 (55.7)	129 (63.5)	117 (64.6)	135 (62.8)	88 (49.2)
3943	Rouge Valley Health System (Centenary)	Central East	Toronto – Southeast	155 (50.8)	125 (42.2)	130 (46.6)	115 (44.6)	133 (50.4)	107 (48.9)	115 (45.6)
1597	Campbellford Memorial Hospital	Central East	Central East	24 (50.0)	22 (56.4)	26 (48.1)	30 (58.8)	22 (61.1)	17 (44.7)	22 (48.9)
1768	Peterborough Regional Health Centre	Central East	Central East	132 (44.0)	141 (50.2)	161 (57.9)	203 (59.5)	189 (61.2)	230 (65.0)	223 (62.3)
1893	Ross Memorial Hospital	Central East	Central East	61 (48.8)	68 (62.4)	68 (53.5)	50 (46.3)	71 (57.3)	70 (60.9)	66 (50.4)
3737	Haliburton Highlands Health Services Corp (Haliburton)	Central East	Central East	**	**	**	**	10 (31.3)	6 (25.0)	6 (31.6)
3860	Northumberland Hills Hospital	Central East	Central East	60 (58.8)	72 (49.0)	82 (54.3)	67 (54.0)	65 (46.8)	58 (59.8)	61 (56.0)
3932	Lakeridge Health Corporation (Oshawa)	Central East	Central East	157 (48.3)	175 (49.3)	207 (55.8)	183 (49.7)	191 (52.8)	203 (55.5)	266 (58.6)
4005	Lakeridge Health Corporation (Port Perry)	Central East	Central East	32 (49.2)	31 (47.7)	20 (36.4)	23 (47.9)	16 (32.0)	15 (31.3)	24 (42.1)
4008	Lakeridge Health Corporation (Bowmanville)	Central East	Central East	26 (29.5)	38 (36.2)	34 (31.8)	65 (57.5)	44 (48.9)	42 (46.7)	52 (53.6)
4191	Haliburton Highlands Health Services Corp (Minden)	Central East	Central East	9 (45.0)	9 (37.5)	6 (35.3)	**	12 (60.0)	**	**
4465	Markham Stouffville Hospital (Uxbridge)	Central East	Central East	14 (38.9)	23 (59.0)	21 (58.3)	15 (45.5)	25 (54.3)	32 (58.2)	17 (41.5)
1097	Hotel Dieu Hospital (Kingston)	South East	South East	**	-	-	**	-	-	-
1100	Kingston General Hospital	South East	South East	280 (72.0)	270 (66.0)	257 (74.3)	257 (74.3)	293 (72.9)	239 (72.6)	260 (74.5)
1269	Perth & Smiths Falls District Hospital (Smiths Falls)	South East	South East	27 (51.9)	18 (33.3)	19 (67.9)	18 (47.4)	16 (36.4)	22 (46.8)	14 (48.3)
1273	Brockville General Hospital	South East	South East	62 (57.4)	51 (42.9)	59 (46.8)	59 (47.2)	56 (45.5)	60 (48.4)	55 (47.4)
1295	Lennox & Addington County Gen Hospital	South East	South East	18 (45.0)	20 (48.8)	16 (44.4)	15 (40.5)	27 (55.1)	29 (53.7)	19 (52.8)
3732	Perth & Smiths Falls District Hospital (Perth)	South East	South East	34 (39.5)	23 (30.3)	36 (52.2)	25 (31.3)	29 (46.8)	20 (37.7)	17 (43.6)
3988	Quinte Healthcare Corporation (Belleville)	South East	South East	77 (53.8)	79 (54.9)	79 (53.7)	50 (43.1)	83 (59.3)	69 (51.9)	72 (53.3)
3991	Quinte Healthcare Corporation (Bancroft)	South East	South East	23 (53.5)	20 (43.5)	15 (37.5)	13 (44.8)	6 (24.0)	13 (25.0)	16 (44.4)
3992	Quinte Healthcare Corporation (Picton)	South East	South East	19 (38.0)	18 (30.5)	15 (30.0)	19 (33.9)	25 (40.3)	17 (37.0)	17 (27.4)
3994	Quinte Healthcare Corporation (Trenton)	South East	South East	36 (50.0)	40 (58.0)	30 (44.1)	38 (58.5)	32 (45.7)	31 (49.2)	43 (50.6)
4601	Hotel Dieu Hospital, Kingston	South East	South East	-	-	-	-	-	-	-
1254	Almonte General Hospital	Champlain	East – Champlain	11 (68.8)	**	**	8 (61.5)	**	**	**
1256	Carleton Place & District Memorial Hospital	Champlain	East – Champlain	16 (48.5)	16 (41.0)	13 (40.6)	8 (27.6)	7 (35.0)	8 (29.6)	9 (36.0)
1284	Kemptville District Hospital	Champlain	East – Champlain	15 (38.5)	9 (39.1)	7 (25.9)	8 (30.8)	14 (46.7)	8 (38.1)	**
1657	Children's Hospital of Eastern Ontario	Champlain	East – Champlain	-	-	-	-	-	-	-
1661	Hôpital Montfort	Champlain	East – Champlain	95 (59.7)	109 (59.2)	87 (53.7)	88 (55.3)	66 (55.9)	73 (53.3)	88 (59.5)
1681	Queensway-Carleton Hospital	Champlain	East – Champlain	181 (53.6)	155 (56.2)	152 (54.3)	119 (52.2)	117 (50.2)	84 (40.6)	113 (50.9)
1777	Hawkesbury & District General Hospital	Champlain	East – Champlain	25 (49.0)	36 (55.4)	35 (52.2)	25 (53.2)	45 (57.0)	35 (52.2)	47 (69.1)
1799	Amprior & District Memorial Hospital	Champlain	East – Champlain	7 (53.8)	6 (35.3)	7 (35.0)	11 (40.7)	9 (39.1)	7 (33.3)	11 (32.4)
1801	St. Francis Memorial Hospital	Champlain	East – Champlain	9 (29.0)	8 (36.4)	6 (25.0)	8 (27.6)	**	**	**
1803	Deep River & District Hospital	Champlain	East – Champlain	**	**	9 (60.0)	**	**	**	**
1804	Pembroke Regional Hospital Inc.	Champlain	East – Champlain	49 (42.6)	46 (43.8)	74 (50.3)	83 (51.6)	77 (56.6)	66 (55.5)	77 (61.1)
1813	Renfrew Victoria Hospital	Champlain	East – Champlain	25 (34.7)	28 (43.8)	12 (27.3)	7 (18.9)	13 (31.0)	16 (31.4)	16 (29.1)
1870	Glengarry Memorial Hospital	Champlain	East – Champlain	24 (82.8)	7 (35.0)	6 (27.3)	6 (35.3)	6 (30.0)	**	7 (46.7)
1885	Winchester District Memorial Hospital	Champlain	East – Champlain	20 (40.0)	20 (39.2)	21 (51.2)	14 (36.8)	29 (64.4)	20 (46.5)	22 (47.8)
4046	Ottawa Hospital (Civic)	Champlain	East – Champlain	297 (60.7)	301 (59.6)	312 (59.3)	308 (58.8)	397 (67.5)	523 (71.4)	528 (71.8)
4048	Ottawa Hospital (General)	Champlain	East – Champlain	224 (51.9)	255 (55.8)	294 (59.8)	335 (61.8)	319 (65.4)	208 (56.1)	134 (49.3)
4451	Cornwall Community Hospital	Champlain	East – Champlain	61 (44.9)	71 (51.1)	59 (46.8)	64 (51.6)	61 (52.6)	64 (55.2)	69 (51.1)

Exhibit 1.4a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
				n (%)						
Ontario				18,961	19,547	19,639	18,840	19,066	19,477	20,002
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region							
1825	Royal Victoria Hospital of Barrie	North Simcoe Muskoka	Central East	133 (52.8)	138 (53.5)	146 (58.4)	147 (59.3)	207 (67.2)	233 (67.5)	211 (65.7)
1833	Collingwood General & Marine Hospital	North Simcoe Muskoka	Central East	56 (50.5)	52 (42.6)	37 (36.6)	37 (39.4)	52 (46.4)	44 (48.4)	41 (46.6)
1844	Georgian Bay General Hospital (Midland)	North Simcoe Muskoka	Central East	66 (36.7)	65 (42.2)	64 (42.1)	45 (39.1)	54 (45.8)	46 (47.9)	67 (51.9)
1853	Orillia Soldiers' Memorial Hospital	North Simcoe Muskoka	Central East	75 (52.4)	96 (56.8)	81 (54.0)	77 (45.3)	66 (44.3)	76 (58.9)	59 (45.0)
4616	Muskoka Algonquin Healthcare (Huntsville)	North Simcoe Muskoka	Central East	35 (46.7)	36 (42.4)	38 (49.4)	33 (37.5)	53 (53.0)	47 (62.7)	44 (54.3)
4619	Muskoka Algonquin Healthcare (Bracebridge)	North Simcoe Muskoka	Central East	46 (51.7)	34 (48.6)	32 (44.4)	23 (44.2)	32 (45.1)	43 (55.1)	37 (52.1)
2057	Blind River District Health Ctr/Pavillon Santé	North East	Northeast	**	**	-	**	-	**	**
2058	St. Joseph's General Hospital	North East	Northeast	29 (58.0)	15 (45.5)	17 (44.7)	15 (38.5)	18 (43.9)	20 (51.3)	17 (53.1)
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	**	**	8 (42.1)	**	**	**	**
2078	Lady Minto Hospital	North East	Northeast	**	**	**	**	**	**	**
2082	Hôpital Notre-Dame Hospital, Hearst	North East	Northeast	**	**	7 (58.3)	**	**	**	**
2084	Anson General Hospital	North East	Northeast	**	**	**	**	-	**	**
2088	Sensenbrenner Hospital	North East	Northeast	8 (44.4)	10 (47.6)	**	10 (62.5)	7 (43.8)	6 (28.6)	6 (35.3)
2090	Bingham Memorial Hospital	North East	Northeast	**	**	**	**	**	**	**
2091	Weeneebayko General Hospital	North East	Northeast	-	-	**	-	-	-	**
2094	Smooth Rock Falls Hospital	North East	Northeast	**	**	-	**	-	-	-
2121	Manitoulin Health Centre (Little Current)	North East	Northeast	15 (55.6)	11 (40.7)	17 (56.7)	11 (55.0)	9 (50.0)	6 (31.6)	8 (53.3)
2123	Manitoulin Health Centre (Mindemoya)	North East	Northeast	11 (55.0)	6 (46.2)	7 (46.7)	8 (42.1)	**	**	**
2126	Mattawa General Hospital	North East	Northeast	**	**	**	6 (54.5)	**	**	**
2173	Services de Santé de Chapleau Health Services	North East	Northeast	**	-	**	**	**	-	**
2174	Espanola General Hospital	North East	Northeast	10 (35.7)	17 (43.6)	10 (50.0)	6 (42.9)	12 (60.0)	6 (31.6)	10 (35.7)
2204	Englehart & District Hospital	North East	Northeast	**	6 (40.0)	**	6 (54.5)	**	**	**
2207	Temiskaming Hospital	North East	Northeast	**	6 (60.0)	**	14 (41.2)	9 (19.6)	13 (31.7)	12 (32.4)
2211	Kirkland & District Hospital	North East	Northeast	17 (50.0)	10 (34.5)	17 (44.7)	13 (34.2)	19 (52.8)	**	**
2812	West Nipissing General Hospital	North East	Northeast	19 (37.3)	21 (45.7)	19 (28.8)	14 (26.4)	13 (26.0)	12 (31.6)	16 (34.0)
3411	North Bay General Hospital (Civic/St. Joseph's)	North East	Northeast	93 (62.4)	84 (62.7)	99 (56.3)	71 (57.3)	79 (50.6)	97 (55.1)	93 (56.0)
3414	Timmins & District General Hospital	North East	Northeast	55 (52.4)	44 (60.3)	60 (64.5)	35 (50.7)	33 (50.8)	37 (58.7)	52 (59.8)
3729	West Parry Sound Health Centre	North East	Northeast	19 (37.3)	18 (39.1)	20 (41.7)	30 (53.6)	20 (47.6)	16 (43.2)	21 (51.2)
4059	Hôpital régional de Sudbury Regional Hospital	North East	Northeast	196 (61.3)	166 (59.3)	207 (69.2)	195 (64.8)	201 (69.3)	208 (65.6)	213 (76.1)
4407	Sault Area Hospital (Sault Ste Marie)	North East	Northeast	82 (45.1)	85 (49.7)	106 (55.2)	85 (50.6)	100 (57.8)	104 (52.5)	111 (59.0)
4692	Weeneebayko Area Health Authority (Moosonee)	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)	11 (33.3)	7 (25.9)	12 (37.5)	14 (50.0)	9 (60.0)	15 (46.9)
2110	Lake-of-the-Woods District Hospital	North West	Northwest	29 (47.5)	18 (36.0)	23 (44.2)	28 (54.9)	28 (50.9)	23 (46.9)	23 (51.1)
2115	Red Lake Margaret Cochenour Memorial Hospital	North West	Northwest	**	**	10 (71.4)	6 (50.0)	8 (88.9)	**	**
2147	Atikokan General Hospital	North West	Northwest	**	**	**	**	**	8 (47.1)	-
2148	Riverside Health Care Facility (Emo)	North West	Northwest	-	**	-	-	-	-	-
2150	Riverside Health Care Facility (La Verendrye)	North West	Northwest	14 (43.8)	15 (37.5)	18 (41.9)	21 (45.7)	14 (42.4)	13 (40.6)	22 (57.9)
2153	Riverside Health Care Facility (Rainy River)	North West	Northwest	-	**	**	**	**	**	**
2175	Geraldton District Hospital	North West	Northwest	**	**	-	-	-	-	-

Exhibit 1.4a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) patients¹ transported to hospital by ambulance, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
				n (%)						
Ontario				18,961	19,547	19,639	18,840	19,066	19,477	20,002
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region							
2176	Manitowadge 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)	122 (41.2)	149 (51.6)	130 (46.6)	136 (50.4)	152 (53.3)	185 (62.5)
4356	Sioux Lookout Meno-Ya-Win Health Centre (Zone)	North West	Northwest	-	**	6 (66.7)	6 (33.3)	**	8 (66.7)	**

Data source: Canadian Institute for Health Information, National Ambulatory Care Reporting System (CIHI-NACRS), 2003/04 to 2009/10.

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

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

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

Exhibit 1.5a

Number and percentage of adult stroke or transient ischemic attack (TIA) patients who sought medical attention within 2.5 hours of stroke symptom onset, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

				2002/03	2004/05	2008/09
Group/Sub-Group				n (%)		
Ontario				8,478 (33.8)	8,001 (34.2)	7,939 (35.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
1067	Learnington District Memorial Hospital	Erie St. Clair	South West	6 (46.2)	7 (35.0)	6 (25.0)
1079	Windsor Regional Hospital (Metropolitan)	Erie St. Clair	South West	-	16 (30.8)	24 (52.2)
1223	Public General Hospital Society of Chatham	Erie St. Clair	South West	16 (57.1)	18 (34.0)	15 (39.5)
1239	Sydenham District Hospital	Erie St. Clair	South West	7 (87.5)	6 (54.5)	**
1241	Charlotte Eleanor Englehart Hospital	Erie St. Clair	South West	**	-	-
1247	Sarnia General Hospital	Erie St. Clair	South West	9 (45.0)	-	-
3707	Hotel-Dieu Grace Hospital (St. Joseph's)	Erie St. Clair	South West	25 (40.3)	30 (33.0)	33 (45.8)
3844	Windsor Regional Hospital, Western Site	Erie St. Clair	South West	7 (30.4)	-	-
4415	Bluewater Health (Sarnia General)	Erie St. Clair	South West	-	14 (31.8)	20 (44.4)
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	8 (42.1)	12 (42.9)	**
1124	Hanover & District Hospital	South West	South West	**	**	**
1199	Clinton Public Hospital	South West	South West	9 (60.0)	**	**
1203	South Huron Hospital	South West	South West	**	**	**
1206	Alexandra Marine & General Hospital	South West	South West	**	**	**
1213	Seaforth Community Hospital	South West	South West	11 (40.7)	8 (34.8)	**
1217	Wingham & District Hospital	South West	South West	6 (35.3)	**	**
1497	St. Joseph's Health Care, London	South West	South West	**	**	**
1507	Four Counties Health Services Corp	South West	South West	**	**	**
1515	Strathroy Middlesex General Hospital	South West	South West	**	**	**
1696	Alexandra Hospital	South West	South West	**	-	**
1709	Tillsonburg District Memorial Hospital	South West	South West	**	**	7 (46.7)
1716	Woodstock General Hospital	South West	South West	8 (80.0)	10 (47.6)	**
1740	Listowel Memorial Hospital	South West	South West	7 (24.1)	7 (25.9)	**
1748	St. Mary's Memorial Hospital	South West	South West	**	6 (27.3)	**
1754	Stratford General Hospital	South West	South West	7 (50.0)	22 (47.8)	20 (46.5)
3850-1	London Health Sciences Centre (University)	South West	South West	13 (23.6)	40 (47.1)	42 (38.5)
3850-2	London Health Sciences Centre (Victoria)	South West	South West	**	12 (37.5)	-
3907	South Bruce Grey Health Centre (Kincardine)	South West	South West	10 (47.6)	-	6 (66.7)
3944	Grey Bruce Health Services (Owen Sound)	South West	South West	9 (52.9)	26 (54.2)	18 (39.1)
4025	Grey Bruce Health Services (Markdale)	South West	South West	**	**	**
4027	Grey Bruce Health Services (Meaford)	South West	South West	**	**	**
4030	Grey Bruce Health Services (Southampton)	South West	South West	**	7 (28.0)	**
4033	Grey Bruce Health Services (Warton)	South West	South West	**	**	**
4036	South Bruce Grey Health Centre (Durham)	South West	South West	-	**	**
4039	South Bruce Grey Health Centre (Walkerton)	South West	South West	15 (46.9)	6 (66.7)	**
4042	South Bruce Grey Health Centre (Chesley)	South West	South West	6 (54.5)	**	**
1905	Cambridge Memorial Hospital	Waterloo Wellington	Central South	12 (50.0)	**	8 (28.6)
1921	St. Mary's General Hospital	Waterloo Wellington	Central South	15 (38.5)	9 (24.3)	**

Exhibit 1.5a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) patients who sought medical attention within 2.5 hours of stroke symptom onset, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

				2002/03	2004/05	2008/09
Group/Sub-Group				n (%)		
Ontario				8,478 (33.8)	8,001 (34.2)	7,939 (35.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
1936	Groves Memorial Community Hospital	Waterloo Wellington	Central South	**	**	**
1946	Guelph General Hospital	Waterloo Wellington	Central South	**	15 (44.1)	9 (25.7)
3734	Grand River Hospital Corp (Waterloo)	Waterloo Wellington	Central South	14 (53.8)	44 (46.8)	29 (38.7)
4323	North Wellington Hlth Care (Mount Forest)	Waterloo Wellington	Central South	**	**	**
4326	North Wellington Hlth Care (Palmerston)	Waterloo Wellington	Central South	7 (70.0)	10 (38.5)	**
1006	Brantford General Hospital	Hamilton Niagara Haldimand Brant	Central South	12 (36.4)	25 (48.1)	-
1146	Haldimand War Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	**	**	**
1149	West Haldimand General Hospital	Hamilton Niagara Haldimand Brant	Central South	**	**	6 (66.7)
1160	Joseph Brant Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	16 (43.2)	22 (44.9)	12 (33.3)
1538	West Lincoln Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	7 (70.0)	-	6 (54.5)
1557	Religious Hospital of St. Joseph of Hotel Dieu	Hamilton Niagara Haldimand Brant	Central South	**	**	-
1591	Norfolk General Hospital	Hamilton Niagara Haldimand Brant	Central South	**	8 (26.7)	7 (33.3)
1982	Hamilton Health Sciences Corp (General)	Hamilton Niagara Haldimand Brant	Central South	22 (34.9)	40 (41.2)	43 (46.2)
1983	Hamilton Health Sciences Corp (Henderson)	Hamilton Niagara Haldimand Brant	Central South	8 (40.0)	10 (29.4)	**
1994	Hamilton Health Sciences Corp (McMaster)	Hamilton Niagara Haldimand Brant	Central South	11 (55.0)	9 (25.0)	8 (38.1)
2003	St. Joseph's Health Care System (Hamilton)	Hamilton Niagara Haldimand Brant	Central South	14 (40.0)	9 (31.0)	7 (24.1)
3644	St. Joseph's Community Health Centre	Hamilton Niagara Haldimand Brant	Central South	6 (50.0)	**	-
4210	Niagara Health System (Fort Erie Douglas)	Hamilton Niagara Haldimand Brant	Central South	**	**	**
4213	Niagara Health System (Greater Niagara)	Hamilton Niagara Haldimand Brant	Central South	8 (27.6)	11 (23.4)	25 (54.3)
4219	Niagara Health System (Port Colborne)	Hamilton Niagara Haldimand Brant	Central South	6 (60.0)	**	**
4224	Niagara Health System (St. Catharines General)	Hamilton Niagara Haldimand Brant	Central South	14 (33.3)	16 (24.2)	13 (22.8)
4227	Niagara Health System (Welland County)	Hamilton Niagara Haldimand Brant	Central South	7 (36.8)	6 (16.2)	**
4675	Brant Community Healthcare System (Brantford)	Hamilton Niagara Haldimand Brant	Central South	-	-	26 (53.1)
3684	Headwaters Health Care Centre (Dufferin)	Central West	West GTA	**	7 (33.3)	9 (33.3)
3929	William Osler Health System (Etobicoke)	Central West	West GTA	**	19 (31.1)	10 (21.3)
4016	William Osler Health System (Brampton)	Central West	West GTA	**	21 (30.9)	-
4681	William Osler Health System (Civic)	Central West	West GTA	-	-	16 (24.2)
3286	Credit Valley Hospital	Mississauga Halton	West GTA	**	12 (25.0)	18 (32.7)
3917	Trillium Health Centre (Mississauga)	Mississauga Halton	West GTA	**	53 (37.1)	59 (43.1)
3926	Halton Healthcare Services Corp (Oakville)	Mississauga Halton	West GTA	7 (22.6)	22 (44.9)	7 (18.4)
4019	William Osler Health Centre (Georgetown)	Mississauga Halton	West GTA	**	-	-
4022	Halton Healthcare Services Corp (Milton)	Mississauga Halton	West GTA	**	9 (31.0)	7 (43.8)
4622	Halton Healthcare Services Corp (Georgetown)	Mississauga Halton	West GTA	-	-	**
1302	Toronto East General Hospital	Toronto Central	Toronto – Southeast	10 (25.6)	12 (19.0)	6 (14.0)
1423	Mount Sinai Hospital	Toronto Central	Toronto – West	10 (50.0)	7 (25.0)	7 (30.4)
1443	St Joseph's Health Centre	Toronto Central	Toronto – West	12 (27.3)	16 (25.4)	12 (27.9)
1444	St Michael's Hospital	Toronto Central	Toronto – Southeast	14 (32.6)	14 (28.0)	31 (38.3)
3910-1	University Health Network (Toronto Western)	Toronto Central	Toronto – West	22 (37.9)	16 (23.2)	44 (38.3)
3910-2	University Health Network (Princess Margaret)	Toronto Central	Toronto – West	7 (53.8)	13 (30.2)	-
3936	Sunnybrook Health Sciences Centre	Toronto Central	Toronto – North & East	13 (24.5)	31 (32.0)	33 (39.3)

Exhibit 1.5a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) patients who sought medical attention within 2.5 hours of stroke symptom onset, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

				2002/03	2004/05	2008/09
Group/Sub-Group				n (%)		
Ontario				8,478 (33.8)	8,001 (34.2)	7,939 (35.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
1330	North York General Hospital	Central	Toronto – North & East	20 (32.3)	35 (41.7)	16 (24.6)
1343	Humber River Regional Hospital (York-Finch)	Central	Toronto – West	14 (56.0)	11 (29.7)	**
1817	Stevenson Memorial Hospital Alliston	Central	Central East	**	**	**
2038	Southlake Regional Health Centre	Central	Central East	9 (29.0)	9 (15.8)	15 (27.3)
2046	York Central Hospital	Central	Central East	12 (33.3)	14 (21.2)	27 (39.1)
3587	Markham Stouffville Hospital	Central	Central East	11 (37.9)	10 (22.7)	9 (20.5)
3883	Humber River Regional Hosp (Humber Memorial)	Central	Toronto – West	10 (28.6)	16 (33.3)	**
1597	Campbellford Memorial Hospital	Central East	Central East	**	**	6 (60.0)
1768	Peterborough Regional Health Centre	Central East	Central East	17 (43.6)	29 (49.2)	22 (41.5)
1893	Ross Memorial Hospital	Central East	Central East	6 (30.0)	**	9 (36.0)
3737	Haliburton Highlands Health Services Corp (Haliburton)	Central East	Central East	**	**	6 (60.0)
3860	Northumberland Hills Hospital	Central East	Central East	**	15 (50.0)	**
3932	Lakeridge Health Corporation (Oshawa)	Central East	Central East	20 (43.5)	27 (40.9)	13 (23.2)
3943	Rouge Valley Health System (Centenary)	Central East	Toronto – Southeast	13 (34.2)	9 (15.0)	13 (27.1)
4002	Lakeridge Health Corporation (Uxbridge)	Central East	Central East	**	-	-
4005	Lakeridge Health Corporation (Port Perry)	Central East	Central East	**	6 (50.0)	**
4008	Lakeridge Health Corporation (Bowmanville)	Central East	Central East	**	12 (60.0)	**
4014	Rouge Valley Health System (Ajax)	Central East	Toronto – Southeast	**	**	14 (38.9)
4152	Scarborough Hospital (General)	Central East	Toronto – North & East	21 (41.2)	20 (27.8)	12 (24.0)
4154	Scarborough Hospital (Grace)	Central East	Toronto – North & East	11 (28.9)	11 (21.2)	7 (18.9)
4465	Markham Stouffville Hospital (Uxbridge)	Central East	Central East	-	**	**
1097	Hotel Dieu Hospital (Kingston)	South East	South East	**	**	-
1100	Kingston General Hospital	South East	South East	29 (52.7)	37 (49.3)	30 (54.5)
1269	Perth & Smiths Falls District Hospital (Smiths Falls)	South East	South East	**	**	**
1273	Brockville General Hospital	South East	South East	**	10 (37.0)	7 (30.4)
1295	Lennox & Addington County General Hospital	South East	South East	**	**	**
3732	Perth & Smiths Falls District Hospital (Perth)	South East	South East	**	6 (42.9)	**
3988	Quinte Healthcare Corporation (Belleville)	South East	South East	7 (30.4)	15 (34.9)	15 (38.5)
3991	Quinte Healthcare Corporation (Bancroft)	South East	South East	**	**	**
3992	Quinte Healthcare Corporation (Picton)	South East	South East	6 (75.0)	**	**
3994	Quinte Healthcare Corporation (Trenton)	South East	South East	6 (50.0)	8 (44.4)	**
1254	Almonte General Hospital	Champlain	East – Champlain	13 (54.2)	12 (50.0)	**
1256	Carleton Place & District Memorial Hospital	Champlain	East – Champlain	**	**	-
1284	Kemptville District Hospital	Champlain	East – Champlain	**	12 (48.0)	-
1661	Hôpital Montfort	Champlain	East – Champlain	**	16 (43.2)	8 (30.8)
1681	Queensway-Carleton Hospital	Champlain	East – Champlain	15 (40.5)	14 (28.6)	15 (40.5)
1777	Hawkesbury & District General Hospital	Champlain	East – Champlain	**	6 (46.2)	7 (53.8)
1799	Arnprior & District Memorial Hospital	Champlain	East – Champlain	**	13 (54.2)	6 (66.7)
1801	St. Francis Memorial Hospital	Champlain	East – Champlain	10 (35.7)	12 (54.5)	**
1803	Deep River & District Hospital	Champlain	East – Champlain	11 (47.8)	8 (53.3)	**
1804	Pembroke Regional Hospital Inc.	Champlain	East – Champlain	9 (45.0)	21 (42.0)	22 (51.2)

Exhibit 1.5a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) patients who sought medical attention within 2.5 hours of stroke symptom onset, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

				2002/03	2004/05	2008/09
Group/Sub-Group				n (%)		
Ontario				8,478 (33.8)	8,001 (34.2)	7,939 (35.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
1813	Renfrew Victoria Hospital	Champlain	East – Champlain	**	**	**
1870	Glengarry Memorial Hospital	Champlain	East – Champlain	**	17 (68.0)	**
1872	Cornwall General Hospital	Champlain	East – Champlain	**	-	-
1874	Hotel Dieu Hospital, Cornwall	Champlain	East – Champlain	**	-	-
1885	Winchester District Memorial Hospital	Champlain	East – Champlain	**	8 (72.7)	-
4046	Ottawa Hospital (Civic)	Champlain	East – Champlain	32 (47.8)	37 (48.1)	49 (38.6)
4048	Ottawa Hospital (General)	Champlain	East – Champlain	-	44 (46.8)	20 (33.9)
4451	Cornwall Community Hospital	Champlain	East – Champlain	-	9 (69.2)	11 (45.8)
4469	Cornwall Community Hospital (General)	Champlain	East – Champlain	-	10 (66.7)	-
1523	South Muskoka Memorial Hospital	North Simcoe Muskoka	Central East	**	7 (41.2)	-
1527	Huntsville District Memorial Hospital	North Simcoe Muskoka	Central East	**	6 (35.3)	-
1825	Royal Victoria Hospital of Barrie	North Simcoe Muskoka	Central East	9 (27.3)	**	26 (51.0)
1833	Collingwood General & Marine Hospital	North Simcoe Muskoka	Central East	**	7 (28.0)	**
1844	Georgian Bay General Hospital (Midland)	North Simcoe Muskoka	Central East	7 (30.4)	17 (51.5)	**
1853	Orillia Soldiers' Memorial Hospital	North Simcoe Muskoka	Central East	7 (30.4)	15 (38.5)	10 (33.3)
4616	Muskoka Algonquin Healthcare (Huntsville)	North Simcoe Muskoka	Central East	-	-	19 (39.6)
4619	Muskoka Algonquin Healthcare (Bracebridge)	North Simcoe Muskoka	Central East	-	-	**
2057	Blind River District Health Centre/Pavillon Santé	North East	Northeast	-	**	-
2058	St. Joseph's General Hospital	North East	Northeast	**	**	**
2066	Sault St. Marie General Hospital	North East	Northeast	7 (21.9)	-	-
2076	Lady Dunn Health Centre	North East	Northeast	-	**	**
2078	Lady Minto Hospital	North East	Northeast	6 (66.7)	6 (35.3)	-
2082	Hôpital Notre-Dame Hospital, Hearst	North East	Northeast	**	**	**
2084	Anson General Hospital	North East	Northeast	**	6 (42.9)	-
2088	Sensenbrenner Hospital	North East	Northeast	8 (36.4)	**	**
2121	Manitoulin Health Centre (Little Current)	North East	Northeast	8 (32.0)	11 (36.7)	**
2123	Manitoulin Health Centre (Mindemoya)	North East	Northeast	11 (55.0)	7 (46.7)	**
2126	Mattawa General Hospital	North East	Northeast	**	8 (66.7)	**
2173	Services de Santé de Chapleau Health Services	North East	Northeast	-	**	-
2174	Espanola General Hospital	North East	Northeast	**	**	-
2204	Englehart & District Hospital	North East	Northeast	**	**	**
2207	Temiskaming Hospital	North East	Northeast	**	12 (42.9)	**
2211	Kirkland & District Hospital	North East	Northeast	**	**	**
2812	West Nipissing General Hospital	North East	Northeast	**	**	**
3411	North Bay General Hospital (Civic/St. Joseph's)	North East	Northeast	8 (38.1)	13 (27.1)	24 (55.8)
3414	Timmins & District General Hospital	North East	Northeast	-	18 (38.3)	21 (52.5)
3729	West Parry Sound Health Centre	North East	Northeast	-	**	6 (60.0)
4059	Hôpital régional de Sudbury Regional Hospital (Laurentian)	North East	Northeast	-	20 (29.0)	22 (38.6)
4407	Sault Area Hospital-Sault Ste Marie	North East	Northeast	-	17 (38.6)	22 (45.8)
2103	Dryden Regional Health Centre	North West	Northwest	**	10 (38.5)	**

Exhibit 1.5a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) patients who sought medical attention within 2.5 hours of stroke symptom onset, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

				2002/03	2004/05	2008/09
Group/Sub-Group				n (%)		
Ontario				8,478 (33.8)	8,001 (34.2)	7,939 (35.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
2110	Lake-of-the-Woods District Hospital	North West	Northwest	**	**	6 (60.0)
2115	Red Lake Margaret Cochenour Memorial Hospital	North West	Northwest	-	**	-
2147	Atikokan General Hospital	North West	Northwest	**	-	**
2150	Riverside Health Care Facility (La Verendrye)	North West	Northwest	**	**	-
2175	Geraldton District Hospital	North West	Northwest	-	**	-
2178	Nipigon District Memorial Hospital	North West	Northwest	6 (54.5)	7 (53.8)	**
2180	McCausland Hospital	North West	Northwest	**	-	-
3853	Thunder Bay Regional Health Sciences Centre	North West	Northwest	11 (28.9)	27 (39.7)	16 (29.6)
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 and 2008/09.

Inclusion criteria: All patients aged ≥18 years admitted to the emergency department of an acute care hospital for stroke or TIA with known stroke onset time.

** 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) Cells in which there was no reported/available data are marked with a hyphen (-).
- (3) Excludes all NACRS records with ICD codes that include the prefix "Q" (suspected, questionable diagnoses) starting in 2008/09.

Exhibit 1.6a

Number and percentage of adult stroke or transient ischemic attack (TIA) 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 and 2008/09

Group/Sub-Group				2002/03		2004/05		2008/09	
				Neuroimaging Completed, n (%)					
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)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region	Within 24 Hours ¹	Before Discharge ²	Within 24 Hours ¹	Before Discharge ²	Within 24 Hours ¹	Before Discharge ²
1067	Leamington District Memorial Hospital	Erie St. Clair	South West	**	8 (53.3)	**	13 (81.3)	20 (87.0)	16 (100.0)
1079	Windsor Regional Hospital (Metropolitan)	Erie St. Clair	South West	-	-	**	31 (100.0)	38 (80.9)	22 (95.7)
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)
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)
3844	Windsor Regional Hospital (Western)	Erie St. Clair	South West	-	22 (95.7)	-	-	-	-
4415	Bluewater Health (Sarnia General)	Erie St. Clair	South West	-	-	-	23 (79.3)	39 (86.7)	25 (96.2)
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)
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)	**	**
1203	South Huron Hospital	South West	South West	-	**	-	**	**	6 (100.0)
1206	Alexandra Marine & General Hospital	South West	South West	-	**	-	6 (75.0)	**	6 (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)
1497	St. Joseph's Health Care, London	South West	South West	**	6 (100.0)	**	**	**	-
1507	Four Counties Health Services Corp	South West	South West	-	**	-	**	**	**
1515	Strathroy Middlesex General Hospital	South West	South West	-	9 (81.8)	-	**	9 (90.0)	6 (100.0)
1696	Alexandra Hospital	South West	South West	-	-	-	**	**	**
1709	Tillsonburg District Memorial Hospital	South West	South West	-	8 (72.7)	-	7 (58.3)	-	7 (70.0)
1716	Woodstock General Hospital	South West	South West	-	**	8 (57.1)	13 (92.9)	13 (76.5)	10 (100.0)
1740	Listowel Memorial Hospital	South West	South West	-	16 (55.2)	-	7 (43.8)	**	**
1748	St. Mary's 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)
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)
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)
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)
4033	Grey Bruce Health Services (Warton)	South West	South West	**	**	**	**	**	**
4036	South Bruce Grey Health Centre (Durham)	South West	South West	-	9 (81.8)	**	**	**	**
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)	**	**
1905	Cambridge Memorial Hospital	Waterloo Wellington	Central South	19 (79.2)	9 (100.0)	**	20 (100.0)	22 (100.0)	18 (100.0)

Exhibit 1.6a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) 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 and 2008/09

Group/Sub-Group				2002/03		2004/05		2008/09	
				Neuroimaging Completed, n (%)					
				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)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region						
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)
1936	Groves Memorial Community Hospital	Waterloo Wellington	Central South	-	7 (77.8)	-	10 (83.3)	**	8 (88.9)
1946	Guelph General Hospital	Waterloo Wellington	Central South	-	17 (81.0)	15 (48.4)	14 (82.4)	30 (96.8)	22 (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)
4323	North Wellington Hlth Care (Mount Forest)	Waterloo Wellington	Central South	-	**	-	**	**	**
4326	North Wellington Hlth 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	**	**	-	**	-	**
1149	West Haldimand General Hospital	Hamilton Niagara Haldimand Brant	Central South	**	**	-	**	-	**
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)
1538	West Lincoln Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	-	**	-	**	**	6 (75.0)
1557	Religious Hospital of St. Joseph of 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)
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)
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)
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)
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)
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)
4219	Niagara Health System (Port Colborne)	Hamilton Niagara Haldimand Brant	Central South	**	6 (100.0)	-	6 (85.7)	-	**
4224	Niagara Health System (St. Catharines General)	Hamilton Niagara Haldimand Brant	Central South	21 (75.0)	27 (100.0)	-	53 (96.4)	36 (85.7)	31 (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)
4675	Brant Community Healthcare System (Brantford)	Hamilton Niagara Haldimand Brant	Central South	-	-	-	-	35 (92.1)	24 (100.0)
3684	Headwaters Health Care Centre (Dufferin)	Central West	West GTA	-	9 (90.0)	-	10 (90.9)	15 (83.3)	21 (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)
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)
3286	Credit Valley Hospital	Mississauga Halton	West GTA	-	17 (89.5)	-	30 (96.8)	51 (100.0)	40 (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)
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)
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)
4622	Halton Healthcare Services Corp (Georgetown)	Mississauga Halton	West GTA	-	-	-	-	**	7 (77.8)
1302	Toronto East General Hospital	Toronto Central	Toronto – Southeast	-	25 (100.0)	61 (98.4)	39 (100.0)	41 (97.6)	27 (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)
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)
1444	St Michael's Hospital	Toronto Central	Toronto – Southeast	-	30 (96.8)	35 (94.6)	42 (100.0)	74 (97.4)	59 (100.0)
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)

Exhibit 1.6a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) 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 and 2008/09

Group/Sub-Group				2002/03		2004/05		2008/09	
				Neuroimaging Completed, n (%)					
				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)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region						
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)
1330	North York General Hospital	Central	Toronto – North & East	-	40 (97.6)	47 (87.0)	50 (100.0)	17 (94.4)	48 (100.0)
1343	Humber River Regional Hospital (York-Finch)	Central	Toronto – West	-	22 (100.0)	**	25 (100.0)	22 (100.0)	24 (100.0)
1817	Stevenson Memorial Hospital, Alliston	Central	Central East	**	**	-	**	**	**
2038	Southlake Regional Health Centre	Central	Central East	**	17 (100.0)	44 (91.7)	30 (96.8)	39 (92.9)	27 (96.4)
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)
3587	Markham Stouffville Hospital	Central	Central East	**	11 (100.0)	19 (79.2)	23 (100.0)	**	23 (100.0)
3883	Humber River Regional Hosp (Humber Memorial)	Central	Toronto – West	**	28 (100.0)	-	30 (85.7)	27 (96.4)	31 (100.0)
1597	Campbellford Memorial Hospital	Central East	Central East	-	6 (75.0)	**	**	**	**
1768	Peterborough Regional Health Centre	Central East	Central East	-	21 (91.3)	37 (75.5)	42 (97.7)	29 (90.6)	38 (97.4)
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)
3737	Haliburton Highlands Health Services Corp (Haliburton)	Central East	Central East	-	-	-	**	-	-
3860	Northumberland Hills Hospital	Central East	Central East	-	8 (80.0)	13 (56.5)	18 (94.7)	12 (80.0)	9 (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)
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)
4002	Lakeridge Health Corporation (Uxbridge)	Central East	Central East	-	**	-	-	-	-
4005	Lakeridge Health Corporation (Port Perry)	Central East	Central East	**	**	**	**	**	6 (100.0)
4008	Lakeridge Health Corporation (Bowmanville)	Central East	Central East	**	12 (92.3)	6 (33.3)	**	**	**
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)
4152	Scarborough Hospital (General)	Central East	Toronto – North & East	-	39 (97.5)	47 (90.4)	49 (98.0)	13 (72.2)	33 (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)
4465	Markham Stouffville Hospital (Uxbridge)	Central East	Central East	-	-	**	**	-	**
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)
1269	Perth & Smiths Falls District Hospital (Smiths Falls)	South East	South East	-	**	**	**	**	**
1273	Brockville General Hospital	South East	South East	-	**	**	14 (100.0)	18 (81.8)	16 (100.0)
1295	Lennox & Addington County General Hospital	South East	South East	-	**	-	**	-	**
3732	Perth & Smiths Falls District Hospital (Perth)	South East	South East	-	**	**	**	-	**
3988	Quinte Healthcare Corporation (Belleville)	South East	South East	-	15 (78.9)	16 (47.1)	37 (90.2)	26 (81.3)	26 (92.9)
3991	Quinte Healthcare Corporation (Bancroft)	South East	South East	-	**	**	**	**	-
3992	Quinte Healthcare Corporation (Picton)	South East	South East	-	**	**	9 (90.0)	-	**
3994	Quinte Healthcare Corporation (Trenton)	South East	South East	-	6 (85.7)	**	11 (73.3)	10 (90.9)	6 (100.0)
1254	Almonte General Hospital	Champlain	East – Champlain	-	9 (36.0)	**	10 (62.5)	-	**
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)
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)
1777	Hawkesbury & District General Hospital	Champlain	East – Champlain	-	**	**	**	10 (83.3)	8 (100.0)

Exhibit 1.6a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) 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 and 2008/09

Group/Sub-Group				2002/03		2004/05		2008/09	
				Neuroimaging Completed, n (%)					
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)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region						
1799	Amprior & District Memorial Hospital	Champlain	East – Champlain	-	**	**	11 (78.6)	**	**
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)
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	-	**	-	**	-	-
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)
4048	Ottawa Hospital (General)	Champlain	East – Champlain	-	-	77 (91.7)	49 (100.0)	52 (89.7)	28 (100.0)
4451	Cornwall Community Hospital	Champlain	East – Champlain	-	-	8 (61.5)	10 (90.9)	18 (85.7)	14 (100.0)
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)
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)
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)
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)
4616	Muskoka Algonquin Healthcare (Huntsville)	North Simcoe Muskoka	Central East	-	-	-	-	14 (73.7)	36 (100.0)
4619	Muskoka Algonquin Healthcare (Bracebridge)	North Simcoe Muskoka	Central East	-	-	-	-	7 (70.0)	11 (100.0)
2057	Blind River District Health Centre/Pavillon Santé	North East	Northeast	-	**	-	**	-	-
2058	St. Joseph's General Hospital	North East	Northeast	-	**	-	**	**	**
2066	Sault St. 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)	-	-
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)
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)	-	**	**	**
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)	-	**
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)
3414	Timmins & District General Hospital	North East	Northeast	-	-	-	29 (93.5)	37 (97.4)	37 (100.0)

Exhibit 1.6a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) 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 and 2008/09

Group/Sub-Group				2002/03		2004/05		2008/09	
				Neuroimaging Completed, n (%)					
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)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region	Within 24 Hours ¹	Before Discharge ²	Within 24 Hours ¹	Before Discharge ²	Within 24 Hours ¹	Before Discharge ²
3729	West Parry Sound Health Centre	North East	Northeast	-	-	-	**	-	7 (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)
4407	Sault Area Hospital-Sault Ste Marie	North East	Northeast	-	-	**	29 (85.3)	27 (90.0)	39 (95.1)
2103	Dryden Regional Health Centre	North West	Northwest	-	**	**	**	-	**
2110	Lake-of-the-Woods District Hospital	North West	Northwest	**	**	-	**	8 (80.0)	6 (85.7)
2115	Red Lake Margaret Cochenour Memorial Hospital	North West	Northwest	-	-	**	**	-	**
2147	Atikokan General Hospital	North West	Northwest	-	**	-	-	**	**
2150	Riverside Health Care Facility (La Verendrye)	North West	Northwest	**	**	**	**	**	**
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)
4353	Sioux Lookout Meno-Ya-Win Hlth Centre (Zone)	North West	Northwest	**	**	-	**	-	-

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

Inclusion criteria: All patients aged ≥18 years admitted to an acute care hospital for suspected stroke or TIA.

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; and 18,416 in 2008/09).

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

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

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

Exhibit 1.7a

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

Group/Sub-Group				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)	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 General)	Erie St. Clair	South West	-	-	-	**	75.0	75.0
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	-	-	-	-	-	-
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 Western)	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	-	-	-	**	-	-
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	-	-	-	-	-	-
1100	Kingston General Hospital	South East	South East	7 (53.8)	69.5	67.5	**	43.0	42.5
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
1825	Royal Victoria Hospital of Barrie	North Simcoe Muskoka	Central East	-	-	-	-	-	-
4616	Muskoka Algonquin Healthcare (Huntsville)	North Simcoe Muskoka	Central East	-	-	-	-	-	-
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	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
3853	Thunder Bay Regional Health Sciences Centre	North West	Northwest	**	119.0	119.0	**	74.8	78.0

Exhibit 1.7a (continued)

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

Group/Sub-Group				2008/09		
				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
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
1079	Windsor Regional Hospital (Metropolitan)	Erie St. Clair	South West	-	-	-
1223	Public General Hospital Society of Chatham	Erie St. Clair	South West	**	75.2	78.0
3707	Hotel-Dieu Grace Hospital (St. Joseph's)	Erie St. Clair	South West	**	144.2	153.0
4415	Bluewater Health (Sarnia General)	Erie St. Clair	South West	**	282.0	282.0
1497	St. Joseph's Health Care, London	South West	South West	-	-	-
1754	Stratford General Hospital	South West	South West	**	76.7	74.1
3850-1	London Health Sciences Centre (University)	South West	South West	6 (40.0)	68.0	63.9
3944	Grey Bruce Health Services (Owen Sound)	South West	South West	**	94.2	90.0
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
1160	Joseph Brant Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	-	-	-
1982	Hamilton Health Sciences Corp (General)	Hamilton Niagara Haldimand Brant	Central South	8 (47.1)	90.3	79.5
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
4675	Brant Community Healthcare System (Brantford)	Hamilton Niagara Haldimand Brant	Central South	**	103.8	103.8
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
3926	Halton Healthcare Services Corp (Oakville)	Mississauga Halton	West GTA	-	-	-
1423	Mount Sinai Hospital	Toronto Central	Toronto – West	**	147.0	147.0
1443	St. Joseph's Health Centre	Toronto Central	Toronto – West	-	-	-
1444	St. Michael's Hospital	Toronto Central	Toronto – Southeast	**	68.2	64.8
3910-1	University Health Network (Toronto Western)	Toronto Central	Toronto – West	6 (50.0)	85.4	87.6
3936	Sunnybrook Health Sciences Centre	Toronto Central	Toronto – North & East	12 (52.2)	70.9	64.8
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
3883	Humber River Regional Hospital (Humber Memorial)	Central	Toronto – West	-	-	-
1768	Peterborough Regional Health Centre	Central East	Central East	**	275.9	64.2
1100	Kingston General Hospital	South East	South East	7 (38.9)	54.1	46.2
1681	Queensway-Carleton Hospital	Champlain	East – Champlain	-	-	-
1804	Pembroke Regional Hospital Inc.	Champlain	East – Champlain	**	92.2	67.8
4046	Ottawa Hospital (Civic)	Champlain	East – Champlain	8 (53.3)	97.2	94.2
4048	Ottawa Hospital (General)	Champlain	East – Champlain	**	128.4	128.4
1825	Royal Victoria Hospital of Barrie	North Simcoe Muskoka	Central East	6 (54.5)	75.4	77.4
4616	Muskoka Algonquin Healthcare (Huntsville)	North Simcoe Muskoka	Central East	**	56.4	60.0
3411	North Bay General Hospital (Civic/St. Joseph's)	North East	Northeast	**	64.2	64.2
3414	Timmins & District General Hospital	North East	Northeast	**	78.5	85.8
4059	Hôpital régional de Sudbury Regional Hospital	North East	Northeast	**	77.4	77.4
4407	Sault Area Hospital (Sault Ste Marie)	North East	Northeast	-	-	-
3853	Thunder Bay Regional Health Sciences Centre	North West	Northwest	**	54.0	54.0

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

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

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 2.5 hours of symptom onset who did not have contraindications to tPA (N = 2,636 in 2002/03; 2,625 in 2004/05; and 2,735 in 2008/09).

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

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

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