

Exhibit 2.2a

Number and percentage of adult patients admitted to an acute care hospital, in Ontario and by stroke type in each OSS region and Local Health Integration Network, 2003/04 to 2009/10

Group/Sub-Group		2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
		n (%)						
Ontario¹		15,731	15,857	15,668	15,181	15,182	15,107	15,347
Ontario Stroke System Region by Stroke Type								
Central East	Intracerebral hemorrhage	206 (1.3)	196 (1.2)	197 (1.3)	212 (1.4)	188 (1.2)	188 (1.2)	199 (1.3)
	Ischemic stroke	663 (4.2)	673 (4.2)	670 (4.3)	769 (5.1)	751 (4.9)	745 (4.9)	829 (5.4)
	Subarachnoid hemorrhage	13 (0.1)	27 (0.2)	25 (0.2)	26 (0.2)	23 (0.2)	33 (0.2)	26 (0.2)
	Transient ischemic attack	424 (2.7)	421 (2.7)	435 (2.8)	368 (2.4)	391 (2.6)	386 (2.6)	383 (2.5)
	Unable to determine ²	876 (5.6)	834 (5.3)	802 (5.1)	734 (4.8)	670 (4.4)	718 (4.8)	631 (4.1)
Central South	Intracerebral hemorrhage	310 (2.0)	275 (1.7)	286 (1.8)	273 (1.8)	221 (1.5)	272 (1.8)	296 (1.9)
	Ischemic stroke	894 (5.7)	852 (5.4)	1011 (6.5)	1140 (7.5)	1193 (7.9)	1166 (7.7)	1208 (7.9)
	Subarachnoid hemorrhage	79 (0.5)	100 (0.6)	88 (0.6)	104 (0.7)	103 (0.7)	106 (0.7)	134 (0.9)
	Transient ischemic attack	553 (3.5)	563 (3.6)	481 (3.1)	474 (3.1)	506 (3.3)	426 (2.8)	500 (3.3)
	Unable to determine ²	988 (6.3)	1013 (6.4)	856 (5.5)	679 (4.5)	628 (4.1)	591 (3.9)	549 (3.6)
East – Champlain	Intracerebral hemorrhage	170 (1.1)	153 (1.0)	143 (0.9)	133 (0.9)	177 (1.2)	133 (0.9)	125 (0.8)
	Ischemic stroke	547 (3.5)	478 (3.0)	507 (3.2)	525 (3.5)	539 (3.6)	461 (3.1)	580 (3.8)
	Subarachnoid hemorrhage	33 (0.2)	74 (0.5)	74 (0.5)	70 (0.5)	64 (0.4)	73 (0.5)	78 (0.5)
	Transient ischemic attack	216 (1.4)	218 (1.4)	226 (1.4)	172 (1.1)	213 (1.4)	178 (1.2)	146 (1.0)
	Unable to determine ²	299 (1.9)	379 (2.4)	448 (2.9)	362 (2.4)	316 (2.1)	322 (2.1)	292 (1.9)
Northeast	Intracerebral hemorrhage	91 (0.6)	69 (0.4)	79 (0.5)	79 (0.5)	87 (0.6)	94 (0.6)	93 (0.6)
	Ischemic stroke	203 (1.3)	208 (1.3)	263 (1.7)	318 (2.1)	272 (1.8)	258 (1.7)	286 (1.9)
	Subarachnoid hemorrhage	31 (0.2)	30 (0.2)	34 (0.2)	28 (0.2)	24 (0.2)	39 (0.3)	20 (0.1)
	Transient ischemic attack	277 (1.8)	303 (1.9)	330 (2.1)	276 (1.8)	287 (1.9)	313 (2.1)	293 (1.9)
	Unable to determine ²	452 (2.9)	415 (2.6)	400 (2.6)	344 (2.3)	312 (2.1)	362 (2.4)	341 (2.2)
Northwest	Intracerebral hemorrhage	32 (0.2)	25 (0.2)	35 (0.2)	35 (0.2)	42 (0.3)	32 (0.2)	41 (0.3)
	Ischemic stroke	97 (0.6)	114 (0.7)	142 (0.9)	186 (1.2)	182 (1.2)	185 (1.2)	173 (1.1)
	Subarachnoid hemorrhage	16 (0.1)	20 (0.1)	14 (0.1)	13 (0.1)	14 (0.1)	13 (0.1)	14 (0.1)
	Transient ischemic attack	111 (0.7)	135 (0.9)	127 (0.8)	108 (0.7)	113 (0.7)	122 (0.8)	112 (0.7)
	Unable to determine ²	144 (0.9)	142 (0.9)	167 (1.1)	138 (0.9)	108 (0.7)	100 (0.7)	102 (0.7)
South East	Intracerebral hemorrhage	54 (0.3)	76 (0.5)	64 (0.4)	65 (0.4)	66 (0.4)	81 (0.5)	55 (0.4)
	Ischemic stroke	216 (1.4)	273 (1.7)	261 (1.7)	240 (1.6)	269 (1.8)	268 (1.8)	259 (1.7)
	Subarachnoid hemorrhage	43 (0.3)	28 (0.2)	32 (0.2)	25 (0.2)	34 (0.2)	16 (0.1)	29 (0.2)
	Transient ischemic attack	155 (1.0)	134 (0.8)	132 (0.8)	124 (0.8)	122 (0.8)	94 (0.6)	109 (0.7)
	Unable to determine ²	288 (1.8)	254 (1.6)	193 (1.2)	166 (1.1)	215 (1.4)	173 (1.1)	172 (1.1)
Southwest	Intracerebral hemorrhage	209 (1.3)	197 (1.2)	191 (1.2)	204 (1.3)	203 (1.3)	168 (1.1)	242 (1.6)
	Ischemic stroke	912 (5.8)	849 (5.4)	865 (5.5)	830 (5.5)	920 (6.1)	781 (5.2)	938 (6.1)
	Subarachnoid hemorrhage	110 (0.7)	92 (0.6)	80 (0.5)	79 (0.5)	78 (0.5)	88 (0.6)	76 (0.5)
	Transient ischemic attack	413 (2.6)	481 (3.0)	408 (2.6)	393 (2.6)	360 (2.4)	395 (2.6)	400 (2.6)
	Unable to determine ²	847 (5.4)	824 (5.2)	758 (4.8)	755 (5.0)	687 (4.5)	701 (4.6)	706 (4.6)
Toronto – North & East	Intracerebral hemorrhage	139 (0.9)	156 (1.0)	140 (0.9)	138 (0.9)	144 (0.9)	135 (0.9)	135 (0.9)
	Ischemic stroke	484 (3.1)	615 (3.9)	656 (4.2)	597 (3.9)	586 (3.9)	624 (4.1)	628 (4.1)
	Subarachnoid hemorrhage	34 (0.2)	64 (0.4)	58 (0.4)	62 (0.4)	38 (0.3)	27 (0.2)	37 (0.2)
	Transient ischemic attack	107 (0.7)	171 (1.1)	158 (1.0)	171 (1.1)	182 (1.2)	196 (1.3)	199 (1.3)
	Unable to determine ²	265 (1.7)	205 (1.3)	206 (1.3)	197 (1.3)	172 (1.1)	148 (1.0)	119 (0.8)

Exhibit 2.2a (continued)

Number and percentage of adult patients admitted to an acute care hospital, in Ontario and by stroke type in each OSS region and Local Health Integration Network, 2003/04 to 2009/10

Group/Sub-Group		2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
		n (%)						
Ontario¹		15,731	15,857	15,668	15,181	15,182	15,107	15,347
Ontario Stroke System Region by Stroke Type								
Toronto – Southeast	Intracerebral hemorrhage	107 (0.7)	108 (0.7)	84 (0.5)	109 (0.7)	107 (0.7)	100 (0.7)	82 (0.5)
	Ischemic stroke	333 (2.1)	302 (1.9)	320 (2)	360 (2.4)	377 (2.5)	434 (2.9)	411 (2.7)
	Subarachnoid hemorrhage	69 (0.4)	57 (0.4)	76 (0.5)	82 (0.5)	102 (0.7)	101 (0.7)	120 (0.8)
	Transient ischemic attack	77 (0.5)	101 (0.6)	83 (0.5)	82 (0.5)	108 (0.7)	105 (0.7)	116 (0.8)
	Unable to determine ²	279 (1.8)	261 (1.6)	188 (1.2)	195 (1.3)	124 (0.8)	128 (0.8)	120 (0.8)
Toronto – West	Intracerebral hemorrhage	163 (1.0)	151 (1.0)	138 (0.9)	156 (1.0)	164 (1.1)	147 (1.0)	159 (1.0)
	Ischemic stroke	642 (4.1)	631 (4.0)	629 (4)	566 (3.7)	583 (3.8)	656 (4.3)	655 (4.3)
	Subarachnoid hemorrhage	86 (0.5)	97 (0.6)	131 (0.8)	116 (0.8)	142 (0.9)	122 (0.8)	101 (0.7)
	Transient ischemic attack	149 (0.9)	156 (1.0)	164 (1.0)	138 (0.9)	174 (1.1)	195 (1.3)	189 (1.2)
	Unable to determine ²	248 (1.6)	266 (1.7)	249 (1.6)	225 (1.5)	231 (1.5)	179 (1.2)	131 (0.9)
Toronto – GTA	Intracerebral hemorrhage	210 (1.3)	165 (1.0)	179 (1.1)	173 (1.1)	200 (1.3)	171 (1.1)	202 (1.3)
	Ischemic stroke	649 (4.1)	742 (4.7)	754 (4.8)	731 (4.8)	716 (4.7)	883 (5.8)	849 (5.5)
	Subarachnoid hemorrhage	70 (0.4)	47 (0.3)	64 (0.4)	77 (0.5)	59 (0.4)	67 (0.4)	55 (0.4)
	Transient ischemic attack	188 (1.2)	204 (1.3)	200 (1.3)	209 (1.4)	206 (1.4)	256 (1.7)	273 (1.8)
	Unable to determine ²	460 (2.9)	433 (2.7)	367 (2.3)	350 (2.3)	389 (2.6)	352 (2.3)	329 (2.1)
Local Health Integration Network by Stroke Type								
Erie St. Clair	Intracerebral hemorrhage	81 (0.5)	76 (0.5)	65 (0.4)	68 (0.4)	77 (0.5)	47 (0.3)	84 (0.5)
	Ischemic stroke	397 (2.5)	381 (2.4)	358 (2.3)	338 (2.2)	375 (2.5)	345 (2.3)	336 (2.2)
	Subarachnoid hemorrhage	28 (0.2)	17 (0.1)	22 (0.1)	15 (0.1)	22 (0.1)	32 (0.2)	23 (0.1)
	Transient ischemic attack	190 (1.2)	201 (1.3)	175 (1.1)	143 (0.9)	141 (0.9)	161 (1.1)	180 (1.2)
	Unable to determine ²	396 (2.5)	435 (2.7)	388 (2.5)	381 (2.5)	343 (2.3)	338 (2.2)	369 (2.4)
South West	Intracerebral hemorrhage	128 (0.8)	121 (0.8)	126 (0.8)	136 (0.9)	126 (0.8)	121 (0.8)	158 (1.0)
	Ischemic stroke	515 (3.3)	468 (3.0)	507 (3.2)	492 (3.2)	545 (3.6)	436 (2.9)	602 (3.9)
	Subarachnoid hemorrhage	82 (0.5)	75 (0.5)	58 (0.4)	64 (0.4)	56 (0.4)	56 (0.4)	53 (0.3)
	Transient ischemic attack	223 (1.4)	280 (1.8)	233 (1.5)	250 (1.6)	219 (1.4)	234 (1.5)	220 (1.4)
	Unable to determine ²	451 (2.9)	389 (2.5)	370 (2.4)	374 (2.5)	344 (2.3)	363 (2.4)	337 (2.2)
Waterloo Wellington	Intracerebral hemorrhage	67 (0.4)	78 (0.5)	59 (0.4)	59 (0.4)	58 (0.4)	67 (0.4)	65 (0.4)
	Ischemic stroke	256 (1.6)	250 (1.6)	294 (1.9)	379 (2.5)	392 (2.6)	413 (2.7)	398 (2.6)
	Subarachnoid hemorrhage	6 (0.0)	11 (0.1)	10 (0.1)	11 (0.1)	8 (0.1)	18 (0.1)	8 (0.1)
	Transient ischemic attack	130 (0.8)	162 (1.0)	123 (0.8)	131 (0.9)	124 (0.8)	97 (0.6)	143 (0.9)
	Unable to determine ²	262 (1.7)	264 (1.7)	234 (1.5)	115 (0.8)	101 (0.7)	119 (0.8)	95 (0.6)
Hamilton Niagara Haldimand Brant	Intracerebral hemorrhage	243 (1.5)	197 (1.2)	227 (1.4)	214 (1.4)	163 (1.1)	205 (1.4)	231 (1.5)
	Ischemic stroke	638 (4.1)	602 (3.8)	717 (4.6)	761 (5.0)	801 (5.3)	753 (5.0)	810 (5.3)
	Subarachnoid hemorrhage	73 (0.5)	89 (0.6)	78 (0.5)	93 (0.6)	95 (0.6)	88 (0.6)	126 (0.8)
	Transient ischemic attack	423 (2.7)	401 (2.5)	358 (2.3)	343 (2.3)	382 (2.5)	329 (2.2)	357 (2.3)
	Unable to determine ²	726 (4.6)	749 (4.7)	622 (4.0)	564 (3.7)	527 (3.5)	472 (3.1)	454 (3.0)
Central West	Intracerebral hemorrhage	67 (0.4)	52 (0.3)	38 (0.2)	55 (0.4)	69 (0.5)	51 (0.3)	55 (0.4)
	Ischemic stroke	208 (1.3)	247 (1.6)	222 (1.4)	211 (1.4)	217 (1.4)	249 (1.6)	236 (1.5)
	Subarachnoid hemorrhage	12 (0.1)	**	9 (0.1)	13 (0.1)	16 (0.1)	14 (0.1)	11 (0.1)
	Transient ischemic attack	55 (0.3)	59 (0.4)	77 (0.5)	76 (0.5)	83 (0.5)	86 (0.6)	101 (0.7)
	Unable to determine ²	217 (1.4)	178 (1.1)	140 (0.9)	137 (0.9)	186 (1.2)	158 (1.0)	170 (1.1)

Exhibit 2.2a (continued)

Number and percentage of adult patients admitted to an acute care hospital, in Ontario and by stroke type in each OSS region and Local Health Integration Network, 2003/04 to 2009/10

Group/Sub-Group		2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
		n (%)						
Ontario¹		15,731	15,857	15,668	15,181	15,182	15,107	15,347
Local Health Integration Network by Stroke Type								
Mississauga Halton	Intracerebral hemorrhage	143 (0.9)	113 (0.7)	141 (0.9)	118 (0.8)	131 (0.9)	120 (0.8)	147 (1.0)
	Ischemic stroke	441 (2.8)	495 (3.1)	532 (3.4)	520 (3.4)	499 (3.3)	634 (4.2)	613 (4.0)
	Subarachnoid hemorrhage	58 (0.4)	43 (0.3)	55 (0.4)	64 (0.4)	43 (0.3)	53 (0.4)	44 (0.3)
	Transient ischemic attack	133 (0.8)	145 (0.9)	123 (0.8)	133 (0.9)	123 (0.8)	170 (1.1)	172 (1.1)
	Unable to determine ²	243 (1.5)	255 (1.6)	227 (1.4)	213 (1.4)	203 (1.3)	194 (1.3)	159 (1.0)
Toronto Central	Intracerebral hemorrhage	236 (1.5)	242 (1.5)	244 (1.6)	246 (1.6)	247 (1.6)	247 (1.6)	245 (1.6)
	Ischemic stroke	736 (4.7)	776 (4.9)	864 (5.5)	824 (5.4)	843 (5.6)	939 (6.2)	950 (6.2)
	Subarachnoid hemorrhage	172 (1.1)	198 (1.2)	244 (1.6)	232 (1.5)	257 (1.7)	225 (1.5)	241 (1.6)
	Transient ischemic attack	156 (1.0)	199 (1.3)	199 (1.3)	186 (1.2)	228 (1.5)	280 (1.9)	278 (1.8)
	Unable to determine ²	374 (2.4)	341 (2.2)	316 (2.0)	248 (1.6)	244 (1.6)	212 (1.4)	197 (1.3)
Central	Intracerebral hemorrhage	165 (1.0)	170 (1.1)	145 (0.9)	160 (1.1)	157 (1.0)	141 (0.9)	134 (0.9)
	Ischemic stroke	633 (4.0)	643 (4.1)	632 (4.0)	666 (4.4)	677 (4.5)	685 (4.5)	666 (4.3)
	Subarachnoid hemorrhage	15 (0.1)	20 (0.1)	16 (0.1)	19 (0.1)	15 (0.1)	22 (0.1)	24 (0.2)
	Transient ischemic attack	164 (1.0)	196 (1.2)	216 (1.4)	220 (1.4)	236 (1.6)	231 (1.5)	221 (1.4)
	Unable to determine ²	368 (2.3)	362 (2.3)	355 (2.3)	354 (2.3)	295 (1.9)	256 (1.7)	226 (1.5)
Central East	Intracerebral hemorrhage	172 (1.1)	149 (0.9)	129 (0.8)	145 (1.0)	135 (0.9)	123 (0.8)	128 (0.8)
	Ischemic stroke	603 (3.8)	647 (4.1)	609 (3.9)	618 (4.1)	575 (3.8)	675 (4.5)	720 (4.7)
	Subarachnoid hemorrhage	13 (0.1)	18 (0.1)	21 (0.1)	26 (0.2)	25 (0.2)	23 (0.2)	14 (0.1)
	Transient ischemic attack	230 (1.5)	243 (1.5)	217 (1.4)	198 (1.3)	241 (1.6)	230 (1.5)	268 (1.7)
	Unable to determine ²	625 (4.0)	559 (3.5)	526 (3.4)	554 (3.6)	444 (2.9)	431 (2.9)	337 (2.2)
South East	Intracerebral hemorrhage	54 (0.3)	76 (0.5)	64 (0.4)	65 (0.4)	66 (0.4)	81 (0.5)	55 (0.4)
	Ischemic stroke	216 (1.4)	273 (1.7)	261 (1.7)	240 (1.6)	269 (1.8)	268 (1.8)	259 (1.7)
	Subarachnoid hemorrhage	43 (0.3)	28 (0.2)	32 (0.2)	25 (0.2)	34 (0.2)	16 (0.1)	29 (0.2)
	Transient ischemic attack	155 (1.0)	134 (0.8)	132 (0.8)	124 (0.8)	122 (0.8)	94 (0.6)	109 (0.7)
	Unable to determine ²	288 (1.8)	254 (1.6)	193 (1.2)	166 (1.1)	215 (1.4)	173 (1.1)	172 (1.1)
Champlain	Intracerebral hemorrhage	170 (1.1)	153 (1.0)	143 (0.9)	133 (0.9)	177 (1.2)	133 (0.9)	125 (0.8)
	Ischemic stroke	547 (3.5)	478 (3.0)	507 (3.2)	525 (3.5)	539 (3.6)	461 (3.1)	580 (3.8)
	Subarachnoid hemorrhage	33 (0.2)	74 (0.5)	74 (0.5)	70 (0.5)	64 (0.4)	73 (0.5)	78 (0.5)
	Transient ischemic attack	216 (1.4)	218 (1.4)	226 (1.4)	172 (1.1)	213 (1.4)	178 (1.2)	146 (1.0)
	Unable to determine ²	299 (1.9)	379 (2.4)	448 (2.9)	362 (2.4)	316 (2.1)	322 (2.1)	292 (1.9)
North Simcoe Muskoka	Intracerebral hemorrhage	42 (0.3)	50 (0.3)	41 (0.3)	64 (0.4)	64 (0.4)	59 (0.4)	68 (0.4)
	Ischemic stroke	150 (1.0)	155 (1.0)	170 (1.1)	184 (1.2)	202 (1.3)	160 (1.1)	187 (1.2)
	Subarachnoid hemorrhage	**	9 (0.1)	9 (0.1)	9 (0.1)	9 (0.1)	8 (0.1)	13 (0.1)
	Transient ischemic attack	207 (1.3)	211 (1.3)	208 (1.3)	155 (1.0)	150 (1.0)	141 (0.9)	120 (0.8)
	Unable to determine ²	301 (1.9)	304 (1.9)	248 (1.6)	195 (1.3)	214 (1.4)	274 (1.8)	241 (1.6)
North East	Intracerebral hemorrhage	91 (0.6)	69 (0.4)	79 (0.5)	79 (0.5)	87 (0.6)	94 (0.6)	93 (0.6)
	Ischemic stroke	203 (1.3)	208 (1.3)	263 (1.7)	318 (2.1)	272 (1.8)	258 (1.7)	286 (1.9)
	Subarachnoid hemorrhage	31 (0.2)	30 (0.2)	34 (0.2)	28 (0.2)	24 (0.2)	39 (0.3)	20 (0.1)
	Transient ischemic attack	277 (1.8)	303 (1.9)	330 (2.1)	276 (1.8)	287 (1.9)	313 (2.1)	293 (1.9)
	Unable to determine ²	452 (2.9)	415 (2.6)	400 (2.6)	344 (2.3)	312 (2.1)	362 (2.4)	341 (2.2)
North West	Intracerebral hemorrhage	32 (0.2)	25 (0.2)	35 (0.2)	35 (0.2)	42 (0.3)	32 (0.2)	41 (0.3)
	Ischemic stroke	97 (0.6)	114 (0.7)	142 (0.9)	186 (1.2)	182 (1.2)	185 (1.2)	173 (1.1)
	Subarachnoid hemorrhage	16 (0.1)	20 (0.1)	14 (0.1)	13 (0.1)	14 (0.1)	13 (0.1)	14 (0.1)
	Transient ischemic attack	111 (0.7)	135 (0.9)	127 (0.8)	108 (0.7)	113 (0.7)	122 (0.8)	112 (0.7)
	Unable to determine ²	144 (0.9)	142 (0.9)	167 (1.1)	138 (0.9)	108 (0.7)	100 (0.7)	102 (0.7)

Data source: Canadian Institute for Health Information, Discharge Abstract Database (CIHI-DAD), 2003/04 to 2009/10.

Inclusion criteria: Patients aged ≥18 years admitted to an acute care hospital.

Exclusion criteria: Patients with elective admissions.

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

² Unable to determine = stroke, not specified as hemorrhagic or infarction.

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

Note:

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

Exhibit 2.3a

Age- and sex-adjusted adult inpatient admission rates 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		1.7 (15,715)	1.7 (15,839)	1.6 (15,656)	1.5 (15,167)	1.5 (15,169)	1.5 (15,091)	1.5 (15,333)
Local Health Integration Network	Sub-Local Health Integration Network							
Erie St. Clair	Essex	2.1 (646)	2.1 (652)	1.9 (604)	1.8 (572)	1.8 (573)	1.8 (567)	1.8 (582)
Erie St. Clair	Chatham-Kent	2.7 (259)	2.2 (222)	2.2 (219)	2.0 (205)	2.2 (225)	2.2 (216)	2.5 (252)
Erie St. Clair	Lambton	2.0 (243)	2.2 (275)	1.9 (234)	1.6 (204)	1.6 (203)	1.3 (166)	1.6 (207)
South West	Bruce	2.1 (134)	2.1 (140)	1.9 (126)	1.7 (114)	1.6 (108)	1.6 (105)	1.9 (130)
South West	Grey	2.1 (169)	2.0 (167)	1.8 (150)	1.9 (159)	1.7 (151)	1.8 (155)	1.7 (154)
South West	Huron	1.7 (103)	1.9 (115)	1.9 (114)	1.7 (108)	1.8 (115)	1.5 (92)	1.8 (108)
South West	Perth	1.8 (120)	1.3 (87)	1.7 (110)	1.5 (103)	1.5 (103)	1.7 (119)	1.6 (110)
South West	Middlesex	1.4 (460)	1.2 (410)	1.2 (430)	1.3 (458)	1.3 (463)	1.1 (383)	1.4 (505)
South West	Oxford-Norfolk	1.9 (192)	1.8 (188)	1.6 (166)	1.6 (172)	1.5 (157)	1.5 (156)	1.6 (171)
South West	Elgin	1.8 (126)	2.2 (150)	1.9 (137)	2.0 (142)	1.8 (130)	1.8 (130)	1.7 (122)
Waterloo Wellington	Urban Waterloo & Rural Waterloo South	1.7 (480)	1.7 (501)	1.5 (442)	1.5 (451)	1.4 (445)	1.4 (452)	1.5 (476)
Waterloo Wellington	Urban Guelph	1.5 (135)	1.4 (129)	1.7 (159)	1.5 (142)	1.4 (136)	1.5 (143)	1.4 (135)
Waterloo Wellington	Rural Waterloo	0.8 (29)	1.1 (38)	1.2 (43)	1.1 (42)	1.0 (37)	1.3 (49)	0.7 (28)
Waterloo Wellington	Rural – South Grey & North Wellington	2.7 (65)	2.5 (64)	2.1 (53)	2.3 (57)	2.2 (59)	1.9 (50)	1.9 (50)
Waterloo Wellington	Rural Wellington	1.5 (60)	2.0 (82)	1.9 (80)	1.3 (55)	1.6 (72)	1.6 (69)	1.5 (65)
Hamilton Niagaraaldimand Brant	Brant & Brantford	2.1 (218)	1.7 (180)	1.9 (203)	1.7 (184)	1.9 (209)	1.7 (188)	1.8 (205)
Hamilton Niagaraaldimand Brant	New Credit & Six Nations	3.0 (11)	6.6 (14)	**	5.6 (14)	3.2 (7)	2.4 (9)	3.2 (11)
Hamilton Niagaraaldimand Brant	Haldimand & Norfolk	1.9 (156)	2.0 (168)	1.7 (147)	1.8 (158)	1.8 (157)	1.5 (132)	1.6 (139)
Hamilton Niagaraaldimand Brant	Burlington	1.4 (198)	1.5 (223)	1.3 (189)	1.2 (184)	1.2 (191)	1.3 (206)	1.4 (220)
Hamilton Niagaraaldimand Brant	East Niagara	1.7 (183)	1.6 (171)	1.9 (207)	1.6 (179)	1.3 (149)	1.3 (148)	1.4 (161)
Hamilton Niagaraaldimand Brant	North Niagara	1.7 (290)	1.8 (298)	1.7 (289)	1.5 (260)	1.7 (293)	1.4 (242)	1.5 (259)
Hamilton Niagaraaldimand Brant	South Niagara	1.9 (174)	1.9 (176)	1.6 (143)	1.7 (154)	1.5 (137)	1.4 (132)	1.6 (158)
Hamilton Niagaraaldimand Brant	West Niagara	1.6 (79)	1.7 (89)	1.4 (72)	1.1 (56)	1.6 (83)	1.3 (69)	1.3 (70)
Hamilton Niagaraaldimand Brant	Stoney Creek	1.4 (75)	1.3 (68)	1.3 (73)	1.6 (87)	1.3 (74)	1.3 (74)	1.4 (80)
Hamilton Niagaraaldimand Brant	Glanbrook	1.1 (14)	0.7 (9)	1.7 (23)	1.2 (17)	1.8 (24)	1.8 (23)	1.8 (25)
Hamilton Niagaraaldimand Brant	Ancaster	1.8 (52)	1.8 (53)	1.4 (43)	1.2 (37)	1.4 (43)	1.3 (39)	0.9 (29)
Hamilton Niagaraaldimand Brant	Flamborough	1.0 (35)	0.9 (31)	1.0 (33)	0.7 (25)	1.0 (37)	1.0 (36)	0.8 (28)
Hamilton Niagaraaldimand Brant	Dundas	2.5 (54)	2.0 (42)	2.1 (46)	1.9 (43)	2.0 (44)	2.1 (48)	1.7 (39)
Hamilton Niagaraaldimand Brant	Hamilton Urban Core	2.3 (196)	1.8 (150)	2.0 (168)	2.0 (173)	1.8 (157)	1.7 (148)	1.8 (163)
Hamilton Niagaraaldimand Brant	Hamilton Outer Core	1.7 (333)	1.7 (347)	1.6 (321)	1.7 (346)	1.6 (335)	1.6 (327)	1.6 (335)
Central West	Dufferin County	2.7 (89)	1.7 (56)	1.9 (68)	2.1 (78)	2.0 (75)	2.1 (75)	1.5 (56)
Central West	Malton (Mississauga)	1.7 (39)	2.0 (45)	1.5 (36)	1.7 (40)	1.7 (42)	1.7 (44)	1.7 (45)
Central West	Caledon	1.3 (37)	1.2 (33)	1.5 (46)	1.3 (43)	1.8 (57)	1.5 (51)	1.3 (47)
Central West	Brampton	1.5 (296)	1.6 (330)	1.5 (314)	1.5 (329)	1.6 (368)	1.5 (374)	1.5 (379)
Central West	Rexdale (Toronto)	1.7 (157)	1.7 (164)	1.5 (147)	1.5 (152)	1.5 (153)	1.6 (164)	1.5 (166)
Central West	Woodbridge (Vaughan)	2.0 (30)	2.0 (30)	2.2 (36)	2.2 (38)	1.9 (29)	2.0 (35)	2.2 (41)
Mississaugaalton	Milton	1.2 (32)	2.1 (56)	1.3 (39)	1.8 (53)	1.3 (41)	1.8 (58)	1.7 (56)
Mississaugaalton	Halton Hills	1.9 (61)	1.8 (57)	1.7 (57)	1.2 (42)	1.5 (54)	1.8 (67)	1.8 (72)
Mississaugaalton	Oakville	1.6 (175)	1.7 (192)	1.5 (177)	1.6 (184)	1.2 (149)	1.2 (153)	1.2 (166)
Mississaugaalton	Northwest Mississauga	1.0 (169)	1.0 (169)	1.0 (169)	0.9 (169)	1.1 (224)	1.1 (224)	0.9 (204)
Mississaugaalton	Southeast Mississauga	1.7 (325)	1.7 (322)	1.5 (311)	1.4 (289)	1.4 (294)	1.8 (379)	1.5 (331)
Mississaugaalton	South Etobicoke – Toronto	1.9 (157)	2.1 (171)	2.0 (168)	1.8 (159)	1.5 (133)	1.8 (155)	1.8 (165)
Toronto Central	West	1.4 (169)	1.5 (173)	1.7 (201)	1.3 (161)	1.5 (180)	1.5 (180)	1.3 (164)
Toronto Central	North West	1.6 (269)	1.6 (275)	1.5 (255)	1.5 (255)	1.6 (266)	1.8 (293)	1.4 (247)

Exhibit 2.3a (continued)

Age- and sex-adjusted adult inpatient admission rates 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		1.7 (15,715)	1.7 (15,839)	1.6 (15,656)	1.5 (15,167)	1.5 (15,169)	1.5 (15,091)	1.5 (15,333)
Local Health Integration Network	Sub-Local Health Integration Network							
Toronto Central	South West	1.5 (167)	1.4 (159)	1.3 (151)	1.4 (159)	1.3 (142)	1.5 (167)	1.3 (153)
Toronto Central	North Toronto	1.5 (343)	1.5 (348)	1.6 (369)	1.4 (331)	1.5 (349)	1.4 (337)	1.5 (353)
Toronto Central	South East	1.21 (123)	1.3 (130)	1.1 (112)	1.2 (130)	1.1 (114)	1.3 (135)	1.5 (156)
Toronto Central	East	1.6 (130)	1.4 (115)	1.4 (116)	1.3 (106)	1.2 (100)	1.1 (96)	1.3 (113)
Toronto Central	North East	1.6 (149)	1.5 (149)	1.2 (114)	1.4 (133)	1.4 (139)	1.3 (124)	1.3 (121)
Central	South Simcoe & Northern York Region	1.7 (113)	1.4 (99)	1.7 (121)	1.4 (99)	1.6 (118)	1.4 (110)	1.4 (114)
Central	Central York Region	1.6 (175)	1.4 (164)	1.4 (165)	1.4 (173)	1.2 (163)	1.4 (195)	1.3 (188)
Central	Richmond Hill	1.3 (124)	1.6 (150)	1.5 (144)	1.5 (147)	1.4 (147)	1.1 (132)	0.9 (103)
Central	South West York Region	1.2 (128)	1.3 (144)	1.3 (153)	1.3 (149)	1.3 (163)	1.5 (195)	1.3 (174)
Central	North York West	1.8 (319)	1.6 (301)	1.8 (344)	1.7 (329)	1.6 (302)	1.6 (312)	1.5 (296)
Central	North York Central	1.8 (366)	1.8 (373)	1.7 (368)	1.7 (362)	1.7 (379)	1.5 (346)	1.4 (341)
Central	North York East	1.2 (108)	1.6 (147)	1.4 (138)	1.4 (145)	1.3 (132)	1.2 (119)	1.2 (119)
Central	Markham	1.0 (152)	1.2 (191)	1.1 (182)	1.2 (193)	1.0 (186)	1.0 (199)	1.1 (214)
Central East	North East Cluster	1.7 (516)	1.5 (485)	1.5 (493)	1.4 (464)	1.3 (429)	1.3 (419)	1.3 (427)
Central East	Durham Cluster	1.6 (565)	1.6 (550)	1.4 (514)	1.5 (539)	1.3 (493)	1.3 (530)	1.5 (582)
Central East	Scarborough Cluster	1.5 (680)	1.4 (650)	1.4 (676)	1.4 (673)	1.4 (669)	1.4 (707)	1.3 (667)
South East	Addington North & Central Frontenac	1.9 (20)	1.6 (16)	1.5 (17)	1.7 (16)	1.7 (16)	1.8 (19)	1.8 (18)
South East	Belleville	2.2 (110)	2.0 (102)	1.7 (87)	1.6 (83)	2.1 (111)	1.3 (71)	1.6 (86)
South East	Brockville	2.4 (99)	1.9 (76)	2.0 (79)	1.8 (77)	1.7 (72)	1.8 (75)	1.9 (77)
South East	Central Hastings	1.7 (35)	2.4 (49)	1.7 (34)	1.5 (31)	1.7 (36)	1.7 (36)	1.4 (31)
South East	Gananoque, Leeds	1.6 (24)	1.2 (17)	1.1 (17)	1.3 (19)	1.3 (19)	1.0 (16)	1.0 (15)
South East	Kingston & Islands	1.1 (123)	1.4 (150)	1.2 (132)	1.3 (148)	1.3 (148)	1.4 (156)	1.2 (136)
South East	North Hastings	2.1 (25)	2.2 (25)	1.6 (19)	2.2 (28)	1.2 (16)	0.8 (11)	1.3 (17)
South East	Prince Edward County	1.8 (54)	1.6 (51)	1.6 (48)	0.9 (29)	1.6 (49)	1.3 (39)	1.8 (55)
South East	Quinte West, Brighton	1.6 (73)	1.8 (81)	1.3 (62)	1.2 (55)	1.3 (60)	1.4 (65)	1.1 (53)
South East	Rideau Lakes	1.4 (16)	1.1 (12)	1.0 (12)	**	1.5 (15)	1.3 (17)	1.1 (14)
South East	SE Leeds & Grenville	2.1 (35)	2.0 (33)	2.2 (34)	2.0 (34)	2.7 (44)	1.4 (24)	1.9 (32)
South East	Smiths Falls, Perth, Lanark	2.0 (70)	2.0 (72)	2.1 (77)	1.3 (46)	1.7 (60)	1.4 (49)	1.7 (61)
South East	South Frontenac	1.2 (13)	1.8 (22)	0.8 (11)	1.6 (19)	1.5 (17)	0.8 (12)	0.7 (9)
South East	Stone Mills Loyalist	1.0 (18)	1.0 (18)	1.4 (24)	1.0 (18)	1.4 (25)	1.1 (21)	1.4 (26)
South East	Tyendinaga Napanee	0.9 (20)	1.8 (38)	1.6 (33)	1.4 (31)	1.6 (33)	1.5 (32)	1.2 (25)
Champlain	Ottawa Centre	1.2 (206)	1.2 (202)	1.2 (207)	1.0 (181)	1.1 (202)	1.1 (199)	1.0 (190)
Champlain	Ottawa East	1.2 (183)	1.1 (181)	1.2 (191)	1.2 (193)	1.0 (172)	0.9 (154)	1.1 (187)
Champlain	Ottawa West	1.3 (360)	1.3 (353)	1.3 (371)	1.2 (341)	1.3 (379)	1.1 (330)	1.1 (320)
Champlain	Renfrew County	1.9 (171)	2.2 (204)	2.8 (266)	2.5 (239)	2.1 (200)	1.9 (176)	1.9 (177)
Champlain	North Lanark/North Grenville	1.9 (70)	1.6 (67)	1.9 (68)	1.3 (47)	1.8 (69)	1.3 (50)	1.3 (47)
Champlain	Eastern Counties	1.5 (250)	1.6 (263)	1.5 (247)	1.4 (235)	1.5 (253)	1.4 (244)	1.5 (248)
North Simcoe Muskoka	Collingwood & Area	1.8 (93)	2.4 (124)	1.9 (108)	1.6 (95)	1.7 (96)	1.5 (93)	1.4 (86)
North Simcoe Muskoka	Barrie & Area	1.6 (226)	1.8 (257)	1.6 (227)	1.4 (201)	1.5 (218)	1.4 (223)	1.4 (227)
North Simcoe Muskoka	Orillia & Area	2.5 (131)	2.3 (121)	2.0 (106)	1.6 (85)	1.9 (102)	1.7 (101)	1.4 (83)
North Simcoe Muskoka	Midland & Penetanguishene Area	2.0 (87)	2.2 (98)	2.1 (97)	2.1 (99)	2.1 (100)	1.7 (82)	2.2 (108)
North Simcoe Muskoka	Muskoka	2.2 (133)	1.9 (115)	2.0 (122)	1.6 (103)	1.6 (100)	2.0 (124)	1.7 (111)
North East	Algoma	2.0 (229)	1.9 (228)	2.2 (262)	2.1 (253)	2.1 (260)	2.2 (280)	2.0 (242)
North East	James & Hudson Bay Coasts	4.6 (10)	**	**	2.9 (8)	2.8 (8)	5.0 (12)	3.3 (12)

Exhibit 2.3a (continued)

Age- and sex-adjusted adult inpatient admission rates 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		1.7 (15,715)	1.7 (15,839)	1.6 (15,656)	1.5 (15,167)	1.5 (15,169)	1.5 (15,091)	1.5 (15,333)
Local Health Integration Network	Sub-Local Health Integration Network							
North East	Nipissing	2.4 (178)	2.1 (160)	2.4 (180)	1.9 (145)	2.2 (162)	2.2 (171)	2.2 (164)
North East	Parry Sound	1.5 (68)	1.9 (89)	1.9 (85)	1.8 (84)	1.5 (70)	1.9 (93)	1.6 (73)
North East	Manitoulin-Sudbury	2.2 (368)	2.2 (365)	2.4 (395)	2.2 (360)	2.0 (334)	2.0 (346)	2.2 (364)
North East	Timiskaming	2.5 (80)	2.0 (65)	2.0 (64)	2.3 (78)	1.9 (61)	2.1 (70)	2.0 (66)
North East	Cochrane	2.0 (131)	2.1 (139)	2.1 (138)	2.2 (143)	1.7 (113)	1.9 (127)	2.3 (143)
North West	Kenora	1.8 (76)	2.0 (86)	2.2 (95)	2.4 (103)	2.5 (109)	2.5 (108)	2.4 (105)
North West	Rainy River	2.3 (46)	2.2 (44)	2.5 (52)	2.3 (47)	1.7 (35)	2.4 (47)	2.4 (50)
North West	Thunder Bay District	1.6 (29)	2.5 (42)	2.4 (44)	2.6 (51)	1.7 (30)	2.6 (47)	3.0 (52)
North West	Thunder Bay City	2.1 (244)	2.3 (263)	2.6 (298)	2.5 (282)	2.5 (285)	2.1 (244)	2.1 (241)

Data sources: Canadian Institute for Health Information, Discharge Abstract Database, 2003/04 to 2009/10; Statistics Canada, Census of Canada, 1996.

Inclusion criteria: Patients aged ≥18 years.

Exclusion criteria: Patients with elective admissions.

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

Exhibit 2.4a

Number and percentage of adult stroke or transient ischemic attack (TIA) patients admitted to an acute care hospital and treated in a stroke unit¹ during their stay, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

Group/Sub-Group				2002/03	2004/05	2008/09
				n (%)		
Ontario				446 (2.7)	2,814 (18.6)	4,324 (30.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
1223	Public General Hospital Society of Chatham	Erie St. Clair	South West	-	-	32 (94.1)
3707	Hotel-Dieu Grace Hospital (St. Joseph's)	Erie St. Clair	South West	-	35 (66.0)	40 (90.9)
4415	Bluewater Health (Sarnia General)	Erie St. Clair	South West	-	-	**
1059	St Thomas-Elgin General Hospital	South West	South West	8 (66.7)	-	-
1213	Seaforth Community Hospital	South West	South West	-	-	**
1748	St. Mary's Memorial Hospital	South West	South West	**	-	-
1754	Stratford General Hospital	South West	South West	-	**	18 (62.1)
3850-1	London Health Sciences Centre (University)	South West	South West	-	33 (58.9)	59 (72.8)
3944	Grey Bruce Health Services (Owen Sound)	South West	South West	**	13 (36.1)	-
4025	Grey Bruce Health Services (Markdale)	South West	South West	-	-	**
4039	South Bruce Grey Health Centre (Walkerton)	South West	South West	-	-	**
1905	Cambridge Memorial Hospital	Waterloo Wellington	Central South	-	-	**
1921	St. Mary's General Hospital	Waterloo Wellington	Central South	-	**	-
1946	Guelph General Hospital	Waterloo Wellington	Central South	-	**	-
3734	Grand River Hospital Corp (Waterloo)	Waterloo Wellington	Central South	**	37 (56.1)	30 (65.2)
1006	Brantford General Hospital	Hamilton Niagara Haldimand Brant	Central South	-	**	-
1982	Hamilton Health Sciences Corp (General)	Hamilton Niagara Haldimand Brant	Central South	11 (26.2)	43 (61.4)	42 (53.8)
1983	Hamilton Health Sciences Corp (Henderson)	Hamilton Niagara Haldimand Brant	Central South	-	**	-
2003	St. Joseph's Health Care System (Hamilton)	Hamilton Niagara Haldimand Brant	Central South	-	**	**
3929	William Osler Health System (Etobicoke)	Central West	West GTA	**	**	-
3286	Credit Valley Hospital	Mississauga Halton	West GTA	-	**	**
3917	Trillium Health Centre (Mississauga)	Mississauga Halton	West GTA	**	78 (79.6)	75 (74.3)
1302	Toronto East General Hospital	Toronto Central	Toronto – Southeast	-	**	**
1443	St. Joseph's Health Centre	Toronto Central	Toronto – West	-	-	**
1444	St. Michael's Hospital	Toronto Central	Toronto – Southeast	-	**	35 (60.3)
3910-1	University Health Network (Toronto Western)	Toronto Central	Toronto – West	-	23 (43.4)	32 (37.2)
3910-2	University Health Network (Princess Margaret)	Toronto Central	Toronto – West	-	**	-
3936	Sunnybrook Health Sciences Centre	Toronto Central	Toronto – North & East	-	52 (65.0)	33 (47.1)
1330	North York General Hospital	Central	Toronto – North & East	-	24 (48.0)	-
1343	Humber River Regional Hospital (York-Finch)	Central	Toronto – West	**	**	**
2046	York Central Hospital	Central	Central East	-	**	-
3883	Humber River Regional Hospital (Humber Memorial)	Central	Toronto – West	**	8 (22.9)	7 (23.3)
1597	Campbellford Memorial Hospital	Central East	Central East	-	**	-
1768	Peterborough Regional Health Centre	Central East	Central East	-	**	9 (33.3)
3932	Lakeridge Health Corporation (Oshawa)	Central East	Central East	-	-	**
4152	Scarborough Hospital (General)	Central East	Toronto – North & East	15 (37.5)	-	16 (55.2)
4154	Scarborough Hospital (Grace)	Central East	Toronto – North & East	-	**	**
1100	Kingston General Hospital	South East	South East	-	18 (34.6)	28 (65.1)
1273	Brockville General Hospital	South East	South East	-	-	**
3988	Quinte Healthcare Corporation (Belleville)	South East	South East	-	**	12 (52.2)

Exhibit 2.4a (continued)

Number and percentage of adult stroke or transient ischemic attack (TIA) patients admitted to an acute care hospital and treated in a stroke unit¹ during their stay, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

Group/Sub-Group				2002/03	2004/05	2008/09
				n (%)		
Ontario				446 (2.7)	2,814 (18.6)	4,324 (30.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
1804	Pembroke Regional Hospital Inc.	Champlain	East – Champlain	-	7 (17.5)	6 (17.6)
4046	Ottawa Hospital (Civic)	Champlain	East – Champlain	-	-	59 (74.7)
4048	Ottawa Hospital (General)	Champlain	East – Champlain	-	22 (44.9)	14 (50.0)
1825	Royal Victoria Hospital of Barrie	North Simcoe Muskoka	Central East	-	20 (48.8)	19 (65.5)
1853	Orillia Soldiers' Memorial Hospital	North Simcoe Muskoka	Central East	-	**	**
3411	North Bay General Hospital (Civic/St. Joseph's)	North East	North East	-	-	24 (80.0)
3414	Timmins & District General Hospital	North East	Northeast	-	**	-
4059	Hôpital régional de Sudbury Regional Hospital (Laurentian)	North East	Northeast	-	6 (10.0)	27 (60.0)
4407	Sault Area Hospital (Sault Ste Marie)	North East	Northeast	-	19 (55.9)	6 (15.0)
3853	Thunder Bay Regional Health Sciences Centre	North West	Northwest	-	24 (44.4)	43 (86.0)

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 facility with a final diagnosis of stroke or TIA.

Exclusion criteria: Patients taken directly to an operating room from the emergency department.

¹ A stroke unit is defined as a specialized, geographically-located hospital unit with a dedicated stroke team and stroke resources (e.g., care pathway, educational materials, monitored beds). The unit does not need to have all of these resources nor does it have to be exclusive to stroke patients, but it must be in one location in the hospital.

** 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) This indicator measures care on a stroke unit at any time during hospital admission. This differs from the "stroke unit" indicator measured in the 2002/03 audit, where only the initial admission to a stroke unit was captured, rather than stroke unit care at any point in time.

(3) North York General, Southlake and York Central hospitals were considered to not have a stroke unit at the time of abstraction.

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

Exhibit 2.5a

Adult inpatient length of stay for stroke or transient ischemic attack (TIA), in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04			2004/05			2005/06		
				No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)
Ontario				15,731	12.5	7	15,857	11.8	7	15,668	11.4	6
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region									
1067	Leamington District Memorial Hospital	Erie St. Clair	Southwest	68	4.4	3	74	4.5	4	83	6.8	5
1079	Windsor Regional Hospital (Metropolitan)	Erie St. Clair	Southwest	208	7.8	6	204	6.7	6	180	8.3	6
1223	Public General Hospital Society of Chatham	Erie St. Clair	Southwest	165	8.7	6	159	8.1	5	161	6.9	5
1239	Sydenham District Hospital	Erie St. Clair	Southwest	59	7.7	6	44	6.0	6	42	8.0	5.5
3707	Hotel-Dieu Grace Hospital (St. Joseph's)	Erie St. Clair	Southwest	386	9.5	6	388	9.5	6	344	9.4	6
4415	Bluewater Health (Sarnia General)	Erie St. Clair	Southwest	177	8.2	6	209	9.0	6	168	9.0	6
4418	Bluewater Health (Petrolia)	Erie St. Clair	Southwest	29	10.4	7	32	13.4	7	30	15.9	7.5
1030	Grey Bruce Health Services (Lion's Head)	South West	Southwest	-	-	-	-	-	-	**	2.0	1
1059	St. Thomas-Elgin General Hospital	South West	Southwest	94	9.9	7	111	10.1	5	103	9.8	7
1124	Hanover & District Hospital	South West	Southwest	27	5.7	5	25	8.7	4	18	7.7	5.5
1199	Clinton Public Hospital	South West	Southwest	12	7.9	6.5	20	8.2	4	17	4.8	3
1203	South Huron Hospital	South West	Southwest	29	6.0	5	21	5.4	3	17	5.4	5
1206	Alexandra Marine & General Hospital	South West	Southwest	32	7.8	7	26	7.1	4	36	7.5	4.5
1213	Seaforth Community Hospital	South West	Southwest	13	6.6	6	9	5.4	5	10	5.3	5.5
1217	Wingham & District Hospital	South West	Southwest	29	6.6	4	20	6.6	5	27	6.6	6
1497	St. Joseph's Health Care, London	South West	Southwest	77	11.0	7	8	21.0	15.5	**	71.0	71
1507	Four Counties Health Services Corp	South West	Southwest	17	6.6	5	12	6.3	3.5	14	6.1	4.5
1515	Strathroy Middlesex General Hospital	South West	Southwest	63	8.7	6	54	9.5	7	46	10.7	7
1696	Alexandra Hospital	South West	Southwest	25	16.0	5	23	25.9	8	15	23.3	13
1709	Tillsonburg District Memorial Hospital	South West	Southwest	66	6.6	6	59	10.8	6	56	11.9	8.5
1716	Woodstock General Hospital	South West	Southwest	66	5.0	4.5	74	6.9	5	66	7.1	5
1740	Listowel Memorial Hospital	South West	Southwest	20	18.5	11	16	13.3	9.5	21	11.6	7
1748	St. Mary's Memorial Hospital	South West	Southwest	17	9.2	7	13	7.9	5	9	6.1	5
1754	Stratford General Hospital	South West	Southwest	77	6.9	5	72	6.2	4.5	94	6.3	4
3850	London Health Sciences Centre (University)	South West	Southwest	467	12.7	8	496	13.6	7	484	14.8	7
3907	South Bruce Grey Health Centre (Kincardine)	South West	Southwest	23	6.3	6	25	7.3	6	33	6.8	4
3944	Grey Bruce Health Services (Owen Sound)	South West	Southwest	121	7.4	5	114	6.1	5	98	6.8	4
4025	Grey Bruce Health Services (Markdale)	South West	Southwest	27	21.0	3	21	9.4	6	13	7.1	7
4027	Grey Bruce Health Services (Meaford)	South West	Southwest	20	20.9	8.5	28	9.3	4.5	25	15.4	9
4030	Grey Bruce Health Services (Southampton)	South West	Southwest	21	11.8	8	18	19.8	5.5	21	8.0	4
4033	Grey Bruce Health Services (Warton)	South West	Southwest	14	10.7	3.5	15	3.4	2	15	13.0	3
4036	South Bruce Grey Health Centre (Durham)	South West	Southwest	14	9.6	4.5	13	4.5	3	20	5.7	4.5
4039	South Bruce Grey Health Centre (Walkerton)	South West	Southwest	17	15.2	8	26	10.8	6	26	14.2	7.5
4042	South Bruce Grey Health Centre (Chesley)	South West	Southwest	11	5.6	4	14	7.7	6.5	6	7.7	5.5
1905	Cambridge Memorial Hospital	Waterloo Wellington	Central South	136	10.6	5	118	11.8	4	120	7.0	5
1921	St. Mary's General Hospital	Waterloo Wellington	Central South	165	14.2	5	56	12.8	7	39	10.7	5
1936	Groves Memorial Community Hospital	Waterloo Wellington	Central South	54	9.8	7	63	8.6	6	59	5.9	3
1946	Guelph General Hospital	Waterloo Wellington	Central South	129	10.9	6	123	9.4	5	153	9.1	7
3734	Grand River Hospital Corp (Waterloo)	Waterloo Wellington	Central South	199	10.9	6	357	9.4	5	309	9.7	6
4323	North Wellington Health Care (Mount Forest)	Waterloo Wellington	Central South	29	10.3	9	32	8.6	5	29	5.2	4
4326	North Wellington Health Care (Palmerston)	Waterloo Wellington	Central South	9	6.8	7	16	3.9	3.5	11	4.4	3

Exhibit 2.5a (continued)

Adult inpatient length of stay for stroke or transient ischemic attack (TIA), in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04			2004/05			2005/06		
				No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)
Ontario				15,731	12.5	7	15,857	11.8	7	15,668	11.4	6
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region									
1146	Haldimand War Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	33	7.1	5	27	11.3	8	31	7.1	4
1149	West Haldimand General Hospital	Hamilton Niagara Haldimand Brant	Central South	29	8.6	6	31	17.3	11	21	14.0	3
1160	Joseph Brant Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	217	13.0	6	220	8.9	5	194	10.9	6
1538	West Lincoln Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	46	7.2	4.5	39	6.7	5	39	7.5	6
1591	Norfolk General Hospital	Hamilton Niagara Haldimand Brant	Central South	87	17.5	10	93	27.2	8	73	24.8	8
1982	Hamilton Health Sciences Corp (General)	Hamilton Niagara Haldimand Brant	Central South	427	17.9	7	426	15.6	9	471	12.6	8
1983	Hamilton Health Sciences Corp (Henderson)	Hamilton Niagara Haldimand Brant	Central South	111	18.7	9	123	15.0	8	112	11.8	7
1994	Hamilton Health Sciences Corp (McMaster)	Hamilton Niagara Haldimand Brant	Central South	108	14.1	5	123	9.0	4	119	7.9	5
2003	St. Joseph's Health Care System (Hamilton)	Hamilton Niagara Haldimand Brant	Central South	190	17.1	7	125	13.2	9	131	12.0	6
4210	Niagara Health System (Fort Erie Douglas)	Hamilton Niagara Haldimand Brant	Central South	42	6.3	5	32	7.3	6	47	10.0	8
4213	Niagara Health System (Greater Niagara)	Hamilton Niagara Haldimand Brant	Central South	144	12.7	10	129	12.5	9	167	8.7	7
4216	Niagara Health System (Niagara-on-the-Lake)	Hamilton Niagara Haldimand Brant	Central South	**	2.0	2	-	-	-	-	-	-
4219	Niagara Health System (Port Colborne)	Hamilton Niagara Haldimand Brant	Central South	25	21.3	11	23	8.7	7	16	12.1	7
4224	Niagara Health System (St. Catharines)	Hamilton Niagara Haldimand Brant	Central South	292	8.5	7	304	8.5	7	269	8.1	6
4227	Niagara Health System (Welland County)	Hamilton Niagara Haldimand Brant	Central South	136	9.0	7	165	8.6	6	123	11.2	7
4627	Niagara Health System (Ontario Street)	Hamilton Niagara Haldimand Brant	Central South	-	-	-	-	-	-	**	11.5	11.5
4675	Brant Community Healthcare System (Brantford)	Hamilton Niagara Haldimand Brant	Central South	215	8.6	6	178	6.9	4	187	9.4	5
3684	Headwaters Health Care Centre (Dufferin)	Central West	West GTA	114	8.2	6	75	8.5	6	96	8.3	6
3929	William Osler Health System (Etobicoke)	Central West	West GTA	210	18.2	10	219	15.1	8	205	12.6	7
4016	William Osler Health System (Brampton)	Central West	West GTA	235	12.9	7	246	12.9	7	185	14.2	9
4681	William Osler Health System (Civic)	Central West	West GTA	-	-	-	-	-	-	-	-	-
3286	Credit Valley Hospital	Mississauga Halton	West GTA	180	11.3	8	167	13.1	8	177	11.5	7
3917	Trillium Health Centre (Mississauga)	Mississauga Halton	West GTA	581	11.8	6	571	11.2	6	629	11.5	6
3926	Halton Healthcare Services Corp (Oakville)	Mississauga Halton	West GTA	177	9.2	6	205	9.6	6	185	8.6	6
4019	William Osler Health Centre (Georgetown)	Mississauga Halton	West GTA	46	8.1	5	59	12.0	7	39	9.7	5
4022	Halton Healthcare Services Corp (Milton)	Mississauga Halton	West GTA	34	9.3	5	49	9.2	7	40	8.7	6
4622	Halton Healthcare Services Corp (Georgetown)	Mississauga Halton	West GTA	-	-	-	-	-	-	8	5.5	4.5
1302	Toronto East General Hospital	Toronto Central	Toronto – Southeast	249	14.8	10	214	14.3	9	175	14.8	10
1444	St. Michael's Hospital	Toronto Central	Toronto – Southeast	269	15.9	9	275	13.9	8	291	11.4	7
1406	Hospital for Sick Children	Toronto Central	Toronto – West	**	2.0	2	-	-	-	-	-	-
1423	Mount Sinai Hospital	Toronto Central	Toronto – West	122	12.8	7	116	15.0	8	104	14.7	7
1443	St. Joseph's Health Centre	Toronto Central	Toronto – West	232	16.3	10	229	11.8	8	194	13.7	7
3910	University Health Network	Toronto Central	Toronto – West	477	16.5	9	537	14.9	10	592	15.5	9
3936	Sunnybrook Health Sciences Centre	Toronto Central	Toronto – North & East	324	16.1	9	385	13.8	8	511	15.5	8
1330	North York General Hospital	Central	Toronto – North & East	262	12.9	8.5	366	13.6	7	299	11.5	6
1343	Humber River Regional Hosp (York-Finch)	Central	Toronto – West	206	18.3	8.5	199	19.9	9	206	15.7	7
3883	Humber River Regional Hosp (Humber Memorial)	Central	Toronto – West	250	21.8	11	220	17.3	11	215	17.7	11
1817	Stevenson Memorial Hospital, Alliston	Central	Central East	54	10.4	8	36	8.7	6.5	52	9.9	6.5
2038	Southlake Regional Health Centre	Central	Central East	210	11.7	7.5	183	11.0	7	198	9.3	7
2046	York Central Hospital	Central	Central East	249	13.9	9	273	11.8	7	259	7.6	5
3587	Markham Stouffville Hospital	Central	Central East	114	19.0	8.5	114	19.0	7	135	16.0	7

Exhibit 2.5a (continued)

Adult inpatient length of stay for stroke or transient ischemic attack (TIA), in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04			2004/05			2005/06		
				No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)
Ontario				15,731	12.5	7	15,857	11.8	7	15,668	11.4	6
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region									
4465	Markham Stouffville Hospital (Uxbridge)	Central East	Central East	31	7.9	8	28	9.8	6	27	8.3	6
1597	Campbellford Memorial Hospital	Central East	Central East	34	11.2	7.5	32	9.5	6	34	12.9	7
1768	Peterborough Regional Health Centre	Central East	Central East	240	15.6	6	223	12.4	6	228	14.3	9
1893	Ross Memorial Hospital	Central East	Central East	110	9.6	7	98	9.8	6	119	7.7	6
3737	Haliburton Highlands Health Services Corp	Central East	Central East	7	2.9	2	11	6.4	6	7	3.0	2
3860	Northumberland Hills Hospital	Central East	Central East	84	8.9	7	90	8.1	7	84	8.5	6
3932	Lakeridge Health Corporation (Oshawa)	Central East	Central East	233	9.7	7	236	9.4	6	209	8.0	5
4005	Lakeridge Health Corporation (Port Perry)	Central East	Central East	42	8.2	5	27	7.7	4	36	7.8	3.5
4008	Lakeridge Health Corporation (Bowmanville)	Central East	Central East	72	8.2	5	71	7.3	5	65	8.4	6
3943	Rouge Valley Health System (Centenary)	Central East	Toronto – Southeast	234	12.1	8	205	9.7	7	165	13.1	7
4014	Rouge Valley Health System (Ajax)	Central East	Toronto – Southeast	113	9.4	5	135	10.0	5	120	11.0	6.5
4152	Scarborough Hospital (General)	Central East	Toronto – North & East	261	14.3	9	243	15.9	9	232	11.7	7
4154	Scarborough Hospital (Grace)	Central East	Toronto – North & East	182	12.7	6.5	217	11.0	5	176	12.7	6
1097	Hotel Dieu Hospital (Kingston)	South East	South East	-	-	-	**	5.0	5	-	-	-
1100	Kingston General Hospital	South East	South East	283	16.0	8	323	24.1	8	277	27.0	8
1269	Perth & Smiths Falls District Hospital (Smiths Falls)	South East	South East	50	16.0	8.5	35	12.5	6	39	13.0	7
1273	Brockville General Hospital	South East	South East	109	11.1	7	94	12.1	6	88	10.6	6
1295	Lennox & Addington County Gen Hospital	South East	South East	23	10.7	6	19	14.1	6	19	4.8	4
3732	Perth & Smiths Falls District Hospital (Perth)	South East	South East	26	12.8	6	30	8.9	4.5	36	12.5	5
3988	Quinte Healthcare Corporation (Belleville)	South East	South East	144	10.1	5	139	10.3	7	128	7.5	5
3991	Quinte Healthcare Corporation (Bancroft)	South East	South East	15	5.5	4	18	14.8	6.5	12	13.6	3.5
3992	Quinte Healthcare Corporation (Picton)	South East	South East	41	5.1	3	36	5.5	4	31	7.3	3
3994	Quinte Healthcare Corporation (Trenton)	South East	South East	65	8.0	5	70	12.9	10	52	6.9	5
1254	Almonte General Hospital	Champlain	East – Champlain	15	13.2	3	16	14.6	10	19	14.5	5
1256	Carleton Place & District Memorial Hospital	Champlain	East – Champlain	24	7.5	7	24	6.5	4	17	6.7	5
1284	Kemptville District Hospital	Champlain	East – Champlain	22	14.3	6.5	14	9.8	6	15	13.0	6
1661	Hôpital Montfort	Champlain	East – Champlain	102	14.1	9	131	13.6	7	98	11.8	6.5
1681	Queensway-Carleton Hospital	Champlain	East – Champlain	194	14.5	7	168	12.6	7	171	13.6	10
1777	Hawkesbury & District General Hospital	Champlain	East – Champlain	26	12.7	8	34	9.2	7.5	48	12.4	9
1799	Arnprior & District Memorial Hospital	Champlain	East – Champlain	21	9.7	5	17	9.9	7	18	11.2	9
1801	St. Francis Memorial Hospital	Champlain	East – Champlain	10	11.0	7.5	13	4.5	4	12	8.9	6
1803	Deep River & District Hospital	Champlain	East – Champlain	**	4.6	5	13	12.8	7	14	4.9	4.5
1804	Pembroke Regional Hospital Inc.	Champlain	East – Champlain	110	7.9	5	125	11.7	6	181	8.8	5
1813	Renfrew Victoria Hospital	Champlain	East – Champlain	17	4.4	3	28	4.9	3	23	7.3	5
1870	Glengarry Memorial Hospital	Champlain	East – Champlain	21	11.3	5	18	8.2	4.5	14	10.0	5.5
1885	Winchester District Memorial Hospital	Champlain	East – Champlain	45	13.8	9	34	19.6	9	35	7.9	6
4046	Ottawa Hospital (Civic)	Champlain	East – Champlain	205	15.6	9	258	14.2	9	323	15.0	9
4048	Ottawa Hospital (General)	Champlain	East – Champlain	362	14.2	8	324	12.4	8	326	13.1	8
4164	University of Ottawa Heart Institute	Champlain	East – Champlain	**	4.8	3.5	**	8.8	6	**	7.5	7.5
4451	Cornwall Community Hospital	Champlain	East – Champlain	82	12.9	10	81	10.7	9	82	9.3	8
1825	Royal Victoria Hospital of Barrie	North Simcoe Muskoka	Central East	207	6.8	4	223	7.0	5	217	8.0	5

Exhibit 2.5a (continued)

Adult inpatient length of stay for stroke or transient ischemic attack (TIA), in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04			2004/05			2005/06		
				No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)
Ontario				15,731	12.5	7	15,857	11.8	7	15,668	11.4	6
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region									
1833	Collingwood General & Marine Hospital	North Simcoe Muskoka	Central East	88	11.6	4	109	7.7	5	101	10.9	6
1844	Georgian Bay General Hospital (Midland)	North Simcoe Muskoka	Central East	94	10.2	6	101	7.9	5	100	6.3	4
1853	Orillia Soldiers' Memorial Hospital	North Simcoe Muskoka	Central East	167	15.9	7	155	15.6	8	122	10.7	6
4616	Muskoka Algonquin Healthcare (Huntsville)	North Simcoe Muskoka	Central East	60	9.0	3	58	8.5	3	61	10.0	3
4619	Muskoka Algonquin Healthcare (Bracebridge)	North Simcoe Muskoka	Central East	86	14.3	5	83	9.7	5	75	9.3	5
2057	Blind River District Health Centre/Pavillon Santé	North East	Northeast	**	3.8	3	**	18.6	24	8	14.9	5.5
2058	St. Joseph's General Hospital	North East	Northeast	32	15.2	5.5	34	7.1	5	35	17.0	6
2061	Hornepayne Community Hospital	North East	Northeast	**	3.8	2.5	**	10.0	10	**	2.8	2
2076	Lady Dunn Health Centre	North East	Northeast	**	13.4	4	9	6.2	2	**	2.0	1
2078	Lady Minto Hospital	North East	Northeast	9	13.6	5	17	14.9	5	11	6.5	4
2082	Hopital Notre Dame Hospital, Hearst	North East	Northeast	7	6.0	6	6	11.2	5.5	6	6.8	3.5
2084	Anson General Hospital	North East	Northeast	10	9.4	5.5	9	17.7	10	8	7.9	6.5
2088	Sensenbrenner Hospital	North East	Northeast	26	17.9	6.5	26	9.5	5.5	20	17.4	8
2090	Bingham Memorial Hospital	North East	Northeast	**	41.7	25	**	11.7	7	**	24.5	6.5
2091	Weeneebayko General Hospital	North East	Northeast	8	6.3	3.5	**	48.7	23	**	5.0	5
2094	Smooth Rock Falls Hospital	North East	Northeast	**	8.3	7	**	56.0	5	**	6.0	6
2121	Manitoulin Health Centre (Little Current)	North East	Northeast	18	9.0	4.5	17	5.4	3	19	6.7	3
2123	Manitoulin Health Centre (Mindemoya)	North East	Northeast	21	7.7	3	16	8.2	2	17	4.9	3
2126	Mattawa General Hospital	North East	Northeast	8	9.1	10	9	11.0	3	10	10.1	6.5
2173	Services de Santé de Chapleau Health Services	North East	Northeast	**	26.4	35	7	5.1	5	**	5.8	4
2174	Espanola General Hospital	North East	Northeast	14	7.1	2	17	6.1	3	16	7.7	7
2204	Englehart & District Hospital	North East	Northeast	7	11.9	7	6	19.0	4	7	14.6	12
2207	Temiskaming Hospital	North East	Northeast	39	13.8	6	29	7.5	3	23	4.2	3
2211	Kirkland & District Hospital	North East	Northeast	32	13.3	9	24	37.6	13	28	8.0	6.5
2812	West Nipissing General Hospital	North East	Northeast	29	8.1	4	24	9.5	6	25	7.5	4
3411	North Bay General Hospital (Civic/St. Joseph's)	North East	Northeast	163	14.8	5	155	11.4	6	175	8.3	5
3414	Timmins & District General Hospital	North East	Northeast	66	10.2	4	66	8.8	5	89	6.5	5
3729	West Parry Sound Health Centre	North East	Northeast	29	6.1	4	39	8.3	6	32	12.9	6
4059	Hôpital régional de Sudbury Regional Hospital	North East	Northeast	335	14.8	7	332	11.3	8	352	11.0	7
4407	Sault Area Hospital (Sault Ste Marie)	North East	Northeast	176	9.6	5	167	6.1	4	206	6.9	5
4702	Weeneebayko Area Health Authority (Attawapiskat)	North East	Northeast	-	-	-	-	-	-	-	-	-
2103	Dryden Regional Health Centre	North West	Northwest	18	13.9	4	16	13.1	5.5	10	4.5	3
2110	Lake-of-the-Woods District Hospital	North West	Northwest	29	5.5	4	33	6.8	5	37	6.3	5
2115	Red Lake Margaret Cochenour Memorial Hospital	North West	Northwest	7	7.9	1	10	15.1	4	12	6.6	2
2147	Atikokan General Hospital	North West	Northwest	8	14.0	12.5	6	10.2	4	**	7.3	2
2148	Riverside Health Care Facility (Emo)	North West	Northwest	**	5.0	5	**	1.0	1	**	5.5	4
2150	Riverside Health Care Facility (La Verendrye)	North West	Northwest	28	6.8	4	34	5.7	3	38	5.4	3
2153	Riverside Health Care Facility (Rainy River)	North West	Northwest	**	3.0	3	**	13.0	13	**	23.5	23.5
2175	Geraldton District Hospital	North West	Northwest	**	2.6	1	7	30.4	16	**	2.5	2.5
2176	Manitouwadge General Hospital	North West	Northwest	-	-	-	**	1.0	1	**	2.0	2
2177	Wilson Memorial General Hospital	North West	Northwest	**	1.7	1	**	4.5	2	**	2.5	2.5

Exhibit 2.5a (continued)

Adult inpatient length of stay for stroke or transient ischemic attack (TIA), in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04			2004/05			2005/06		
				No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)
Ontario				15,731	12.5	7	15,857	11.8	7	15,668	11.4	6
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region									
2178	Nipigon District Memorial Hospital	North West	Northwest	6	2.8	2	10	8.5	5.5	11	7.8	3
2180	McCausland Hospital	North West	Northwest	**	5.3	2	6	3.8	4	**	28.0	28
3853	Thunder Bay Regional Health Sciences Centre	North West	Northwest	277	12.5	8	295	10.5	8	352	10.4	8
4353	Sioux Lookout Meno-Ya-Win Health Centre (District)	North West	Northwest	8	5.8	5	10	2.9	2	8	4.9	3
4356	Sioux Lookout Meno-Ya-Win Health Centre (Zone)	North West	Northwest	**	3.6	2	-	-	-	-	-	-

Exhibit 2.5a (continued)

Adult inpatient length of stay for stroke or transient ischemic attack (TIA), in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2006/07			2007/08			2008/09			2009/10		
				No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)
Ontario				15,181	12.2	7	15,182	12.6	6	15,107	13.0	6	15,347	12.6	6
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region												
1067	Leamington District Memorial Hospital	Erie St. Clair	Southwest	62	7.3	5	79	8.9	5	81	6.0	4	54	12.4	4.5
1079	Windsor Regional Hospital (Metropolitan)	Erie St. Clair	Southwest	173	13.1	8	180	10.0	8	173	10.1	7	177	9.8	9
1223	Public General Hospital Society of Chatham	Erie St. Clair	Southwest	169	9.0	7	185	6.6	6	196	6.2	5	223	6.1	5
1239	Sydenham District Hospital	Erie St. Clair	Southwest	23	7.7	4	16	7.1	6.5	13	4.5	5	7	5.7	6
3707	Hotel-Dieu Grace Hospital (St. Joseph's)	Erie St. Clair	Southwest	345	10.9	7	332	10.6	7	319	9.7	6	361	10.9	7
4415	Bluewater Health (Sarnia General)	Erie St. Clair	Southwest	154	8.6	6	148	8.4	5	127	10.7	6	154	8.0	6
4418	Bluewater Health (Petrolia)	Erie St. Clair	Southwest	19	17.5	7	18	11.4	6	14	5.7	3.5	16	6.8	6.5
1030	Grey Bruce Health Services (Lion's Head)	South West	Southwest	6	4.2	4	**	9.0	8.5	6	10.2	10	**	36.3	7
1059	St. Thomas-Elgin General Hospital	South West	Southwest	100	8.3	5	87	8.0	5	95	9.2	5	77	7.8	4
1124	Hanover & District Hospital	South West	Southwest	23	9.0	4	24	5.0	4	16	6.3	4	23	8.1	4
1199	Clinton Public Hospital	South West	Southwest	20	6.0	4.5	12	6.0	4.5	6	10.0	4.5	11	4.9	3
1203	South Huron Hospital	South West	Southwest	19	7.4	5	22	6.1	4.5	26	7.5	4	12	5.6	5
1206	Alexandra Marine & General Hospital	South West	Southwest	19	7.1	5	33	7.8	5	24	6.6	4	30	8.1	3
1213	Seaforth Community Hospital	South West	Southwest	13	5.7	6	15	6.3	5	10	8.1	9	10	3.7	3
1217	Wingham & District Hospital	South West	Southwest	29	5.6	4	21	5.8	4	21	6.4	3	28	8.4	5.5
1497	St. Joseph's Health Care, London	South West	Southwest	-	-	-	-	-	-	-	-	-	-	-	-
1507	Four Counties Health Services Corp	South West	Southwest	10	6.7	6.5	13	7.5	5	9	5.7	2	13	9.0	5
1515	Strathroy Middlesex General Hospital	South West	Southwest	52	9.3	7	57	8.0	6	29	6.5	5	41	23.7	12
1696	Alexandra Hospital	South West	Southwest	25	15.2	9	13	10.2	8	6	9.3	8.5	20	11.9	6
1709	Tillsonburg District Memorial Hospital	South West	Southwest	44	10.7	7.5	43	12.9	5	51	15.2	7	46	8.9	4
1716	Woodstock General Hospital	South West	Southwest	79	8.8	6	57	10.9	8	55	12.1	6	57	8.4	5
1740	Listowel Memorial Hospital	South West	Southwest	23	4.4	2	11	9.6	9	24	6.4	4.5	20	11.0	5.5
1748	St. Mary's Memorial Hospital	South West	Southwest	23	12.1	7	21	16.5	12	12	9.7	7.5	9	8.2	6
1754	Stratford General Hospital	South West	Southwest	72	4.6	3	93	4.7	4	103	7.8	6	112	6.6	4
3850	London Health Sciences Centre (University)	South West	Southwest	522	13.5	6	535	16.0	6	470	15.3	6	605	13.4	6
3907	South Bruce Grey Health Centre (Kincardine)	South West	Southwest	20	7.7	3	24	5.7	4	21	7.1	5	38	8.9	6
3944	Grey Bruce Health Services (Owen Sound)	South West	Southwest	80	7.3	5	100	6.2	4	111	5.9	4	94	8.5	4.5
4025	Grey Bruce Health Services (Markdale)	South West	Southwest	20	7.5	4	22	8.3	4.5	13	16.1	5	14	7.6	3.5
4027	Grey Bruce Health Services (Meaford)	South West	Southwest	25	8.8	5	19	6.1	3	28	8.6	4.5	25	7.4	5
4030	Grey Bruce Health Services (Southampton)	South West	Southwest	18	7.3	3	9	15.7	10	17	9.1	6	16	10.4	5.5
4033	Grey Bruce Health Services (Warton)	South West	Southwest	11	9.7	9	7	18.0	5	11	5.2	5	17	12.4	6
4036	South Bruce Grey Health Centre (Durham)	South West	Southwest	16	6.4	3	11	5.4	3	19	5.7	4	14	4.1	2.5
4039	South Bruce Grey Health Centre (Walkerton)	South West	Southwest	33	7.2	4	23	9.9	6	15	15.1	9	25	15.8	7
4042	South Bruce Grey Health Centre (Chesley)	South West	Southwest	14	5.8	2	14	6.1	5	12	4.2	3	10	2.4	2
1905	Cambridge Memorial Hospital	Waterloo Wellington	Central South	111	7.8	5	110	7.6	5	96	16.3	6	112	10.5	6
1921	St. Mary's General Hospital	Waterloo Wellington	Central South	39	7.0	4	35	9.3	4	41	10.1	3	26	10.7	6
1936	Groves Memorial Community Hospital	Waterloo Wellington	Central South	34	6.1	4.5	62	9.1	6	46	6.5	5	44	6.5	4
1946	Guelph General Hospital	Waterloo Wellington	Central South	146	9.8	6.5	127	11.9	7	143	11.8	6	131	10.6	6
3734	Grand River Hospital Corp (Waterloo)	Waterloo Wellington	Central South	335	9.9	6	320	10.7	6	349	14.7	5	362	11.1	6
4323	North Wellington Health Care (Mount Forest)	Waterloo Wellington	Central South	18	8.9	6.5	17	6.4	4	26	8.9	5	17	4.2	4
4326	North Wellington Health Care (Palmerston)	Waterloo Wellington	Central South	12	8.7	8	12	4.8	3	13	9.5	7	17	6.6	2

Exhibit 2.5a (continued)

Adult inpatient length of stay for stroke or transient ischemic attack (TIA), in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2006/07			2007/08			2008/09			2009/10		
				No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)
Ontario				15,181	12.2	7	15,182	12.6	6	15,107	13.0	6	15,347	12.6	6
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region												
1146	Haldimand War Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	25	9.5	6	23	13.4	11	15	6.8	4	21	14.3	4
1149	West Haldimand General Hospital	Hamilton Niagara Haldimand Brant	Central South	26	16.2	8.5	23	27.2	8	21	8.0	9	16	7.8	5
1160	Joseph Brant Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	200	8.8	5	189	9.1	5	188	10.3	4	210	9.2	5
1538	West Lincoln Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	28	8.9	3.5	42	8.2	4	39	6.9	3	32	7.2	4
1591	Norfolk General Hospital	Hamilton Niagara Haldimand Brant	Central South	70	31.1	7	92	19.2	8.5	67	19.6	6	76	17.0	4
1982	Hamilton Health Sciences Corp (General)	Hamilton Niagara Haldimand Brant	Central South	477	16.4	8	496	12.7	8	471	16.1	7	503	14.5	8
1983	Hamilton Health Sciences Corp (Henderson)	Hamilton Niagara Haldimand Brant	Central South	141	16.4	6	111	11.5	5	107	12.3	6	124	16.8	7
1994	Hamilton Health Sciences Corp (McMaster)	Hamilton Niagara Haldimand Brant	Central South	96	11.1	6	102	7.6	4	89	13.9	4	79	14.4	5
2003	St. Joseph's Health Care System (Hamilton)	Hamilton Niagara Haldimand Brant	Central South	135	13.1	7	118	16.3	6	129	17.4	6	125	22.9	6
4210	Niagara Health System (Fort Erie Douglas)	Hamilton Niagara Haldimand Brant	Central South	37	11.1	6	26	6.5	5	15	6.8	6	8	7.6	4
4213	Niagara Health System (Greater Niagara)	Hamilton Niagara Haldimand Brant	Central South	167	12.9	9	149	12.2	7	179	11.2	8	222	11.3	8
4216	Niagara Health System (Niagara-on-the-Lake)	Hamilton Niagara Haldimand Brant	Central South	-	-	-	-	-	-	-	-	-	-	-	-
4219	Niagara Health System (Port Colborne)	Hamilton Niagara Haldimand Brant	Central South	13	11.2	5	9	27.7	9	15	15.2	11	**	19.7	21
4224	Niagara Health System (St. Catharines)	Hamilton Niagara Haldimand Brant	Central South	232	8.9	6	274	9.4	6	217	10.2	7	185	9.0	6
4227	Niagara Health System (Welland County)	Hamilton Niagara Haldimand Brant	Central South	132	14.3	9	105	11.7	7	97	10.3	7	143	10.2	7
4627	Niagara Health System (Ontario Street)	Hamilton Niagara Haldimand Brant	Central South	-	-	-	-	-	-	-	-	-	-	-	-
4675	Brant Community Healthcare System (Brantford)	Hamilton Niagara Haldimand Brant	Central South	196	10.8	7	209	11.0	5	198	11.2	6	231	7.8	4
3684	Headwaters Health Care Centre (Dufferin)	Central West	West GTA	97	7.4	6	107	9.3	6	101	7.9	6	78	7.1	5
3929	William Osler Health System (Etobicoke)	Central West	West GTA	194	11.0	7	209	16.9	8	216	13.7	7.5	223	11.4	7
4016	William Osler Health System (Brampton)	Central West	West GTA	201	14.1	7	150	18.3	9	-	-	-	-	-	-
4681	William Osler Health System (Civic)	Central West	West GTA	-	-	-	105	11.8	7	241	14.0	8	272	12.7	6
3286	Credit Valley Hospital	Mississauga Halton	West GTA	187	13.9	7	194	11.0	6	229	12.1	6	205	11.6	6
3917	Trillium Health Centre (Mississauga)	Mississauga Halton	West GTA	587	12.7	7	556	13.1	7	666	13.6	7	653	11.9	7
3926	Halton Healthcare Services Corp (Oakville)	Mississauga Halton	West GTA	184	8.7	5	164	15.1	7	156	12.4	6	172	9.7	6
4019	William Osler Health Centre (Georgetown)	Mississauga Halton	West GTA												
4022	Halton Healthcare Services Corp (Milton)	Mississauga Halton	West GTA	54	6.7	6	40	7.2	5	66	7.5	6	50	7.8	6
4622	Halton Healthcare Services Corp (Georgetown)	Mississauga Halton	West GTA	36	10.3	5.5	45	7.2	5	54	6.1	3.5	55	4.9	3
1302	Toronto East General Hospital	Toronto Central	Toronto – Southeast	176	14.9	9	180	13.7	8	171	17.7	9	191	16.0	9
1444	St. Michael's Hospital	Toronto Central	Toronto – Southeast	324	13.9	8	335	13.8	7	352	13.3	8	354	10.9	7
1406	Hospital for Sick Children	Toronto Central	Toronto – West	-	-	-	-	-	-	-	-	-	-	-	-
1423	Mount Sinai Hospital	Toronto Central	Toronto – West	103	11.3	8	90	10.7	6	114	18.9	6	118	17.7	6
1443	St. Joseph's Health Centre	Toronto Central	Toronto – West	183	13.1	7	215	13.0	7	213	15.1	8	190	11.5	7
3910	University Health Network	Toronto Central	Toronto – West	552	13.8	8	630	14.2	8	617	14.8	8	606	13.4	7
3936	Sunnybrook Health Sciences Centre	Toronto Central	Toronto – North & East	398	13.8	6	369	14.5	7	436	15.4	7	452	11.8	7
1330	North York General Hospital	Central	Toronto – North & East	351	11.1	6	352	11.0	6	291	14.6	6	299	13.8	6
1343	Humber River Regional Hosp (York-Finch)	Central	Toronto – West	170	17.5	8	164	14.2	8	171	16.8	7	156	23.6	9
3883	Humber River Regional Hosp (Humber Memorial)	Central	Toronto – West	193	16.9	9	195	21.5	11	184	19.0	8	165	18.5	10
1817	Stevenson Memorial Hospital, Alliston	Central	Central East	33	9.5	6	35	13.5	8	44	11.2	6	47	7.0	4
2038	Southlake Regional Health Centre	Central	Central East	200	11.0	8	201	11.8	9	207	14.1	9	200	10.9	8
2046	York Central Hospital	Central	Central East	352	11.0	8	320	11.6	8	294	11.8	7	261	12.0	7
3587	Markham Stouffville Hospital	Central	Central East	120	16.5	8	113	13.6	6	144	14.3	7	143	12.5	7

Exhibit 2.5a (continued)

Adult inpatient length of stay for stroke or transient ischemic attack (TIA), in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2006/07			2007/08			2008/09			2009/10		
				No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)
Ontario				15,181	12.2	7	15,182	12.6	6	15,107	13.0	6	15,347	12.6	6
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region												
4465	Markham Stouffville Hospital (Uxbridge)	Central East	Central East	14	6.8	6.5	19	9.0	2	23	11.8	3	18	11.7	3.5
1597	Campbellford Memorial Hospital	Central East	Central East	39	22.5	10	30	16.6	4	26	16.3	3	22	12.8	4.5
1768	Peterborough Regional Health Centre	Central East	Central East	246	14.1	8	229	14.2	7	208	13.4	7	235	17.7	7
1893	Ross Memorial Hospital	Central East	Central East	104	8.6	6	83	9.5	7	94	12.5	8	94	9.1	6
3737	Haliburton Highlands Health Services Corp	Central East	Central East	**	9.8	8.5	6	9.5	**	4.5	**	8.4	10	7	10.0
3860	Northumberland Hills Hospital	Central East	Central East	64	7.3	5	59	11.6	4	66	9.6	6	61	10.3	6
3932	Lakeridge Health Corporation (Oshawa)	Central East	Central East	219	10.5	6	199	10.6	7	226	13.9	9	273	12.2	7
4005	Lakeridge Health Corporation (Port Perry)	Central East	Central East	31	8.6	4	30	8.3	5.5	28	5.5	3	36	6.8	5
4008	Lakeridge Health Corporation (Bowmanville)	Central East	Central East	76	9.1	7	61	8.2	6	58	13.2	7	50	11.0	5
3943	Rouge Valley Health System (Centenary)	Central East	Toronto – Southeast	200	11.2	7	192	12.1	7	211	12.9	7	201	11.9	7
4014	Rouge Valley Health System (Ajax)	Central East	Toronto – Southeast	128	13.1	7	111	12.7	8	134	13.0	7.5	103	17.9	8
4152	Scarborough Hospital (General)	Central East	Toronto – North & East	239	14.4	7	252	15.1	8	205	11.8	6	160	17.6	7
4154	Scarborough Hospital (Grace)	Central East	Toronto – North & East	177	11.0	5	149	11.1	5	198	9.5	5	207	8.4	6
1097	Hotel Dieu Hospital (Kingston)	South East	South East	-	-	-	-	-	-	-	-	-	-	-	-
1100	Kingston General Hospital	South East	South East	280	19.3	8	310	19.0	9	297	18.5	9	278	19.6	7
1269	Perth & Smiths Falls District Hospital (Smiths Falls)	South East	South East	18	23.7	6.5	20	18.4	7	14	8.0	6.5	23	15.7	7
1273	Brockville General Hospital	South East	South East	91	16.5	6	99	15.2	5	87	13.0	6	94	12.0	5
1295	Lennox & Addington County Gen Hospital	South East	South East	27	13.4	4	21	5.8	4	23	27.4	9	15	11.5	6
3732	Perth & Smiths Falls District Hospital (Perth)	South East	South East	22	10.9	5.5	30	10.9	6.5	35	12.4	5	29	12.3	5
3988	Quinte Healthcare Corporation (Belleville)	South East	South East	104	10.0	4	132	10.1	7	95	10.0	7	106	6.8	4
3991	Quinte Healthcare Corporation (Bancroft)	South East	South East	12	9.7	4.5	**	6.6	5	7	3.6	2	**	25.8	5
3992	Quinte Healthcare Corporation (Picton)	South East	South East	17	16.4	4	38	15.4	5	32	9.9	3	41	5.1	4
3994	Quinte Healthcare Corporation (Trenton)	South East	South East	49	6.7	3	51	16.4	10	42	21.9	11	34	10.8	6.5
1254	Almonte General Hospital	Champlain	East – Champlain	8	9.5	5	17	8.2	4	6	8.2	2.5	11	4.5	3
1256	Carleton Place & District Memorial Hospital	Champlain	East – Champlain	15	17.6	6	14	15.7	10	7	11.3	6	11	8.3	7
1284	Kemptville District Hospital	Champlain	East – Champlain	14	6.0	3	16	18.3	6	10	4.2	4	**	2.0	1.5
1661	Hôpital Montfort	Champlain	East – Champlain	99	11.9	8	86	15.7	7	56	12.0	6	108	23.8	8
1681	Queensway-Carleton Hospital	Champlain	East – Champlain	146	12.4	7	134	18.0	10	112	17.1	8	109	11.0	6
1777	Hawkesbury & District General Hospital	Champlain	East – Champlain	27	8.6	8	50	8.3	7	44	9.3	7.5	37	12.1	7
1799	Arnprior & District Memorial Hospital	Champlain	East – Champlain	22	11.8	12.5	20	9.6	7	17	11.6	5	19	21.6	9
1801	St. Francis Memorial Hospital	Champlain	East – Champlain	14	7.3	3.5	9	14.1	6	**	4.0	4	**	18.4	8
1803	Deep River & District Hospital	Champlain	East – Champlain	8	4.4	3	7	6.6	7	**	1.6	1	6	15.2	19
1804	Pembroke Regional Hospital Inc.	Champlain	East – Champlain	155	12.6	6	132	16.4	5.5	116	13.9	6	113	18.4	4
1813	Renfrew Victoria Hospital	Champlain	East – Champlain	16	10.3	7	20	4.6	3	17	7.5	5	19	11.4	7
1870	Glengarry Memorial Hospital	Champlain	East – Champlain	21	11.8	9	15	14.3	10	15	7.7	7	7	9.6	7
1885	Winchester District Memorial Hospital	Champlain	East – Champlain	19	12.9	9	24	11.8	6.5	21	9.7	8	25	17.4	8
4046	Ottawa Hospital (Civic)	Champlain	East – Champlain	296	17.8	7	312	17.3	7	485	15.2	8	559	17.2	9
4048	Ottawa Hospital (General)	Champlain	East – Champlain	323	15.2	8	372	16.7	8	166	23.7	9	109	26.9	11
4164	University of Ottawa Heart Institute	Champlain	East – Champlain	**	7.3	5	6	18.8	**	13.5	7	16.9	14	**	7.6
4451	Cornwall Community Hospital	Champlain	East – Champlain	76	11.9	7	75	10.0	7	81	12.0	7	74	13.8	8
1825	Royal Victoria Hospital of Barrie	North Simcoe Muskoka	Central East	199	8.1	6	231	9.2	6	217	9.9	6	228	16.0	7

Exhibit 2.5a (continued)

Adult inpatient length of stay for stroke or transient ischemic attack (TIA), in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2006/07			2007/08			2008/09			2009/10		
				No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)
Ontario				15,181	12.2	7	15,182	12.6	6	15,107	13.0	6	15,347	12.6	6
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region												
1833	Collingwood General & Marine Hospital	North Simcoe Muskoka	Central East	92	10.6	5	85	9.9	4	81	12.1	6	78	9.1	6
1844	Georgian Bay General Hospital (Midland)	North Simcoe Muskoka	Central East	94	5.9	3.5	103	8.0	6	90	7.8	5	103	6.2	5
1853	Orillia Soldiers' Memorial Hospital	North Simcoe Muskoka	Central East	98	10.6	6	98	11.4	7.5	119	13.1	8	95	12.1	7
4616	Muskoka Algonquin Healthcare (Huntsville)	North Simcoe Muskoka	Central East	62	7.4	3	62	9.7	4	55	13.0	3	53	11.3	4
4619	Muskoka Algonquin Healthcare (Bracebridge)	North Simcoe Muskoka	Central East	62	8.7	4	59	9.4	3	85	10.0	4	64	17.8	10.5
2057	Blind River District Health Centre/Pavillon Santé	North East	Northeast	7	12.3	4	**	4.2	4	6	6.7	3.5	**	4.5	5
2058	St. Joseph's General Hospital	North East	Northeast	46	12.8	6	43	36.3	9	38	19.3	4.5	33	21.9	7
2061	Hornepayne Community Hospital	North East	Northeast	**	1.0	1	**	2.0	2				**	3.0	3
2076	Lady Dunn Health Centre	North East	Northeast	**	3.3	2	**	4.0	4	**	5.0	5	**	3.8	4
2078	Lady Minto Hospital	North East	Northeast	8	5.9	2	10	16.0	3	8	7.0	7.5	11	5.3	5
2082	Hopital Notre Dame Hospital, Hearst	North East	Northeast	8	103.0	21.5	10	42.3	3.5	**	44.8	12	10	8.2	5
2084	Anson General Hospital	North East	Northeast	12	16.2	5.5	6	9.2	9	6	58.8	10.5	7	51.4	13
2088	Sensenbrenner Hospital	North East	Northeast	28	13.3	5	20	7.1	4	29	10.9	5	21	10.1	6
2090	Bingham Memorial Hospital	North East	Northeast	**	13.6	7	**	8.3	8	**	2.5	2.5	**	2.3	2
2091	Weeneebayko General Hospital	North East	Northeast	7	15.1	17	6	8.0	6.5	6	6.2	4	8	2.6	3
2094	Smooth Rock Falls Hospital	North East	Northeast	6	4.7	3.5	**	1.8	1.5	**	17.7	10	**	2.8	3
2121	Manitoulin Health Centre (Little Current)	North East	Northeast	18	12.6	5	15	6.7	2	13	2.3	2	17	13.4	3
2123	Manitoulin Health Centre (Mindemoya)	North East	Northeast	16	6.9	3	19	8.5	3	17	16.2	2	20	8.0	2
2126	Mattawa General Hospital	North East	Northeast	7	5.9	5	7	13.0	6	11	10.3	4	9	14.1	5
2173	Services de Santé de Chapleau Health Services	North East	Northeast	**	3.5	3.5	6	13.0	8.5	**	73.5	73.5	**	22.5	11
2174	Espanola General Hospital	North East	Northeast	6	3.0	2.5	8	19.5	3.5	12	57.8	6.5	17	8.4	6
2204	Englehart & District Hospital	North East	Northeast	10	22.6	13.5	**	10.8	8	16	41.8	9	16	13.4	7.5
2207	Temiskaming Hospital	North East	Northeast	32	9.0	3	32	18.1	5	30	11.0	2.5	27	7.1	4
2211	Kirkland & District Hospital	North East	Northeast	23	11.8	6	22	11.1	5.5	23	11.0	5	20	30.9	10.5
2812	West Nipissing General Hospital	North East	Northeast	25	11.3	8	30	7.7	5	25	9.7	5	28	9.5	6.5
3411	North Bay General Hospital (Civic/St. Joseph's)	North East	Northeast	135	12.0	6	142	10.9	4	167	8.6	4	143	8.6	4
3414	Timmins & District General Hospital	North East	Northeast	75	7.7	5	61	9.5	4	75	9.3	4	88	10.9	4
3729	West Parry Sound Health Centre	North East	Northeast	53	8.0	6	30	12.6	5	37	11.7	5	42	7.0	4
4059	Hôpital régional de Sudbury Regional Hospital	North East	Northeast	316	16.8	9	299	13.2	8	309	14.7	7	311	15.7	7
4407	Sault Area Hospital (Sault Ste Marie)	North East	Northeast	194	7.0	5	197	6.9	5	221	11.3	5	184	11.8	5
4702	Weeneebayko Area Health Authority (Attawapiskat)	North East	Northeast	-	-	-	-	-	-	**	1.0	1	-	-	-
2103	Dryden Regional Health Centre	North West	Northwest	12	35.3	2	15	17.4	3	14	17.5	12	11	9.0	8
2110	Lake-of-the-Woods District Hospital	North West	Northwest	38	13.1	7	48	19.8	4.5	43	7.3	3	35	11.7	6
2115	Red Lake Margaret Cochenour Memorial Hospital	North West	Northwest	9	5.7	2	10	3.0	2	7	2.6	1	8	2.4	1
2147	Atikokan General Hospital	North West	Northwest	**	6.0	1.5	**	2.7	**	8	3.8	1	**	2.0	1
2148	Riverside Health Care Facility (Emo)	North West	Northwest	**	4.0	4	**	2.0	2	-	-	-	**	1.0	1
2150	Riverside Health Care Facility (La Verendrye)	North West	Northwest	31	6.3	3	25	7.4	8	30	5.8	3	32	5.3	3.5
2153	Riverside Health Care Facility (Rainy River)	North West	Northwest	**	9.0	9	**	11.5	11.5	**	1.0	1	**	9.5	9.5
2175	Geraldton District Hospital	North West	Northwest	**	1.7	2	**	2.0	**	**	54.5	4.5	**	1.3	1
2176	Manitouwadge General Hospital	North West	Northwest	-	-	-	**	831.0	831	**	6.7	3	-	-	-
2177	Wilson Memorial General Hospital	North West	Northwest	6	3.3	1.5	**	2.6	2	**	2.3	2	**	1.0	1

Exhibit 2.5a (continued)

Adult inpatient length of stay for stroke or transient ischemic attack (TIA), in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2006/07			2007/08			2008/09			2009/10		
				No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)	No. of Patients ¹	Mean Length of Stay (Days)	Median Length of Stay (Days)
Ontario				15,181	12.2	7	15,182	12.6	6	15,107	13.0	6	15,347	12.6	6
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region												
2178	Nipigon District Memorial Hospital	North West	Northwest	**	3.0	3	**	4.0	4	6	7.7	1	**	32.4	37
2180	McCausland Hospital	North West	Northwest	-	-	-	**	8.0	8	**	1.0	1	**	3.0	3
3853	Thunder Bay Regional Health Sciences Centre	North West	Northwest	364	9.8	7	338	9.7	7	323	9.4	7	334	10.2	8
4353	Sioux Lookout Meno-Ya-Win Health Centre (District)	North West	Northwest	7	8.0	4	**	1.7	1	9	5.2	5	**	6.5	4
4356	Sioux Lookout Meno-Ya-Win Health Centre (Zone)	North West	Northwest	-	-	-	-	-	-	-	-	-	-	-	-

Data source: Canadian Institute for Health Information, Discharge Abstract Database (CIHI-DAD), 2003/04 to 2009/10.

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

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 (-).

Exhibit 2.6a

Number and proportion of adult patients with documentation that an initial dysphagia screening¹ was performed during admission to acute care, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

Group/Sub-Group				2002/03	2004/05	2008/09
				n (%)		
Ontario				5,919 (47.9)	6,163 (53.3)	7,039 (62.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
1067	Leamington District Memorial Hospital	Erie St. Clair	South West	**	**	9 (64.3)
1079	Windsor Regional Hospital (Metropolitan)	Erie St. Clair	South West	-	14 (53.8)	**
1223	Public General Hospital Society of Chatham	Erie St. Clair	South West	**	14 (56.0)	22 (75.9)
1239	Sydenham District Hospital	Erie St. Clair	South West	-	**	-
1247	Sarnia General Hospital	Erie St. Clair	South West	**	-	-
3707	Hotel-Dieu Grace Hospital (St. Joseph's)	Erie St. Clair	South West	16 (47.1)	34 (79.1)	17 (47.2)
3844	Windsor Regional Hospital (Western)	Erie St. Clair	South West	8 (38.1)	-	-
4415	Bluewater Health (Sarnia General)	Erie St. Clair	South West	-	14 (66.7)	14 (63.6)
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	**	9 (75.0)	13 (86.7)
1124	Hanover & District Hospital	South West	South West	**	**	**
1199	Clinton Public Hospital	South West	South West	6 (85.7)	**	**
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	**	**	-
1217	Wingham & District Hospital	South West	South West	**	**	**
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	**	**	**
1716	Woodstock General Hospital	South West	South West	**	**	6 (66.7)
1740	Listowel Memorial Hospital	South West	South West	**	**	**
1748	St. Mary's Memorial Hospital	South West	South West	-	**	**
1754	Stratford General Hospital	South West	South West	**	14 (50.0)	14 (58.3)
3850-1	London Health Sciences Centre (University)	South West	South West	8 (28.6)	24 (53.3)	40 (56.3)
3850-2	London Health Sciences Centre (Victoria)	South West	South West	**	6 (60.0)	-
3907	South Bruce Grey Health Centre (Kincardine)	South West	South West	**	**	**
3944	Grey Bruce Health Services (Owen Sound)	South West	South West	**	19 (67.9)	24 (88.9)
4025	Grey Bruce Health Services (Markdale)	South West	South West	**	8 (61.5)	**
4027	Grey Bruce Health Services (Meaford)	South West	South West	**	**	**
4030	Grey Bruce Health Services (Southampton)	South West	South West	-	**	**
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	**	**	**
4042	South Bruce Grey Health Centre (Chesley)	South West	South West	**	**	**
1905	Cambridge Memorial Hospital	Waterloo Wellington	Central South	**	**	9 (52.9)
1921	St. Mary's General Hospital	Waterloo Wellington	Central South	8 (44.4)	**	**
1936	Groves Memorial Community Hospital	Waterloo Wellington	Central South	**	**	**
1946	Guelph General Hospital	Waterloo Wellington	Central South	**	6 (40.0)	9 (42.9)
3734	Grand River Hospital Corp (Waterloo)	Waterloo Wellington	Central South	6 (75.0)	34 (72.3)	25 (69.4)

Exhibit 2.6a (continued)

Number and proportion of adult patients with documentation that an initial dysphagia screening¹ was performed during admission to acute care, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

Group/Sub-Group				2002/03	2004/05	2008/09
				n (%)		
Ontario				5,919 (47.9)	6,163 (53.3)	7,039 (62.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
4323	North Wellington Health Care (Mount Forest)	Waterloo Wellington	Central South	**	**	**
4326	North Wellington Health Care (Palmerston)	Waterloo Wellington	Central South	**	**	-
1006	Brantford General Hospital	Hamilton Niagara Haldimand Brant	Central South	6 (40.0)	15 (62.5)	-
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	11 (68.8)	9 (34.6)	11 (57.9)
1538	West Lincoln Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	-	-	**
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	**	**	-
1982	Hamilton Health Sciences Corp (General)	Hamilton Niagara Haldimand Brant	Central South	27 (79.4)	39 (66.1)	32 (51.6)
1983	Hamilton Health Sciences Corp (Henderson)	Hamilton Niagara Haldimand Brant	Central South	6 (60.0)	13 (68.4)	**
1994	Hamilton Health Sciences Corp (McMaster)	Hamilton Niagara Haldimand Brant	Central South	**	11 (61.1)	**
2003	St. Joseph's Health Care System (Hamilton)	Hamilton Niagara Haldimand Brant	Central South	14 (82.4)	7 (50.0)	7 (58.3)
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	12 (85.7)	20 (83.3)	24 (85.7)
4219	Niagara Health System (Port Colborne)	Hamilton Niagara Haldimand Brant	Central South	**	**	-
4224	Niagara Health System (St. Catharines)	Hamilton Niagara Haldimand Brant	Central South	12 (52.2)	19 (63.3)	15 (62.5)
4227	Niagara Health System (Welland County)	Hamilton Niagara Haldimand Brant	Central South	**	16 (64.0)	7 (63.6)
4675	Brant Community Healthcare System (Brantford)	Hamilton Niagara Haldimand Brant	Central South	-	-	12 (63.2)
3684	Headwaters Health Care Centre (Dufferin)	Central West	West GTA	**	**	9 (56.3)
3929	William Osler Health System (Etobicoke)	Central West	West GTA	11 (61.1)	24 (70.6)	22 (73.3)
4016	William Osler Health System (Brampton)	Central West	West GTA	14 (58.3)	15 (46.9)	-
4681	William Osler Health System (Civic)	Central West	West GTA	-	-	19 (70.4)
3286	Credit Valley Hospital	Mississauga Halton	West GTA	8 (57.1)	12 (52.2)	15 (53.6)
3917	Trillium Health Centre (Mississauga)	Mississauga Halton	West GTA	30 (63.8)	62 (71.3)	56 (65.9)
3926	Halton Healthcare Services Corp (Oakville)	Mississauga Halton	West GTA	**	11 (61.1)	10 (43.5)
4019	William Osler Health Centre (Georgetown)	Mississauga Halton	West GTA	**	-	-
4022	Halton Healthcare Services Corp (Milton)	Mississauga Halton	West GTA	**	**	**
4622	Halton Healthcare Services Corp (Georgetown)	Mississauga Halton	West GTA	-	-	**
1302	Toronto East General Hospital	Toronto Central	Toronto – Southeast	13 (56.5)	24 (66.7)	14 (73.7)
1423	Mount Sinai Hospital	Toronto Central	Toronto – West	**	10 (58.8)	12 (85.7)
1443	St. Joseph's Health Centre	Toronto Central	Toronto – West	12 (57.1)	21 (60.0)	22 (84.6)
1444	St. Michael's Hospital	Toronto Central	Toronto – Southeast	15 (57.7)	21 (61.8)	32 (66.7)
3910-1	University Health Network (Toronto Western)	Toronto Central	Toronto – West	22 (50.0)	23 (47.9)	45 (59.2)
3910-2	University Health Network (Princess Margaret)	Toronto Central	Toronto – West	6 (75.0)	9 (47.4)	-
3936	Sunnybrook Health Sciences Centre	Toronto Central	Toronto – North & East	16 (51.6)	33 (52.4)	30 (50.8)
1330	North York General Hospital	Central	Toronto – North & East	10 (30.3)	21 (52.5)	8 (22.9)
1343	Humber River Regional Hospital (York-Finch)	Central	Toronto – West	12 (70.6)	9 (47.4)	18 (94.7)
1817	Stevenson Memorial Hospital, Alliston	Central	Central East	**	-	**
2038	Southlake Regional Health Centre	Central	Central East	7 (50.0)	19 (79.2)	8 (40.0)
2046	York Central Hospital	Central	Central East	13 (68.4)	19 (50.0)	22 (64.7)
3587	Markham Stouffville Hospital	Central	Central East	**	**	10 (58.8)

Exhibit 2.6a (continued)

Number and proportion of adult patients with documentation that an initial dysphagia screening¹ was performed during admission to acute care, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

Group/Sub-Group				2002/03	2004/05	2008/09
				n (%)		
Ontario				5,919 (47.9)	6,163 (53.3)	7,039 (62.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
3883	Humber River Regional Hospital (Humber Memorial)	Central	Toronto – West	8 (38.1)	16 (57.1)	22 (84.6)
1597	Campbellford Memorial Hospital	Central East	Central East	**	**	-
1768	Peterborough Regional Health Centre	Central East	Central East	9 (60.0)	16 (50.0)	21 (84.0)
1893	Ross Memorial Hospital	Central East	Central East	**	**	**
3737	Haliburton Highlands Health Services Corp (Haliburton)	Central East	Central East	-	**	-
3860	Northumberland Hills Hospital	Central East	Central East	6 (66.7)	11 (68.8)	**
3932	Lakeridge Health Corporation (Oshawa)	Central East	Central East	11 (73.3)	16 (43.2)	12 (63.2)
3943	Rouge Valley Health System (Centenary)	Central East	Toronto – Southeast	11 (47.8)	13 (50.0)	13 (54.2)
4002	Lakeridge Health Corporation (Uxbridge)	Central East	Central East	**	-	-
4005	Lakeridge Health Corporation (Port Perry)	Central East	Central East	**	**	**
4008	Lakeridge Health Corporation (Bowmanville)	Central East	Central East	**	**	**
4014	Rouge Valley Health System (Ajax)	Central East	Toronto – Southeast	12 (80.0)	**	7 (38.9)
4152	Scarborough Hospital (General)	Central East	Toronto – North & East	16 (55.2)	27 (62.8)	14 (58.3)
4154	Scarborough Hospital (Grace)	Central East	Toronto – North & East	11 (68.8)	18 (66.7)	9 (47.4)
4465	Markham Stouffville Hospital (Uxbridge)	Central East	Central East	-	**	-
1100	Kingston General Hospital	South East	South East	11 (35.5)	26 (56.5)	25 (62.5)
1269	Perth & Smiths Falls District Hospital (Smiths Falls)	South East	South East	-	**	**
1273	Brockville General Hospital	South East	South East	**	**	**
1295	Lennox & Addington County Gen 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	**	13 (40.6)	14 (66.7)
3992	Quinte Healthcare Corporation (Picton)	South East	South East	-	**	**
3994	Quinte Healthcare Corporation (Trenton)	South East	South East	-	6 (46.2)	**
1254	Almonte General Hospital	Champlain	East – Champlain	6 (54.5)	**	**
1256	Carleton Place And District Mem Hospital	Champlain	East – Champlain	**	**	-
1284	Kemptville District Hospital	Champlain	East – Champlain	**	**	-
1661	Hôpital Montfort	Champlain	East – Champlain	**	**	**
1681	Queensway-Carleton Hospital	Champlain	East – Champlain	11 (57.9)	15 (65.2)	12 (70.6)
1777	Hawkesbury & District General Hospital	Champlain	East – Champlain	**	-	**
1799	Arnprior & District Memorial Hospital	Champlain	East – Champlain	**	**	-
1801	St. Francis Memorial Hospital	Champlain	East – Champlain	**	-	-
1803	Deep River & District Hospital	Champlain	East – Champlain	**	-	**
1804	Pembroke Regional Hospital Inc.	Champlain	East – Champlain	**	**	17 (77.3)
1813	Renfrew Victoria Hospital	Champlain	East – Champlain	-	**	-
1870	Glengarry Memorial Hospital	Champlain	East – Champlain	-	**	-
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	12 (38.7)	24 (75.0)	58 (87.9)
4048	Ottawa Hospital (General)	Champlain	East – Champlain	-	22 (55.0)	23 (92.0)
4451	Cornwall Community Hospital	Champlain	East – Champlain	-	**	-
4469	Cornwall Community Hospital (General)	Champlain	East – Champlain	-	**	-

Exhibit 2.6a (continued)

Number and proportion of adult patients with documentation that an initial dysphagia screening¹ was performed during admission to acute care, in Ontario and by facility, 2002/03, 2004/05 and 2008/09

Group/Sub-Group				2002/03	2004/05	2008/09
				n (%)		
Ontario				5,919 (47.9)	6,163 (53.3)	7,039 (62.3)
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region			
1523	South Muskoka Memorial Hospital	North Simcoe Muskoka	Central East	**	**	-
1527	Huntsville District Memorial Hospital	North Simcoe Muskoka	Central East	**	**	-
1825	Royal Victoria Hospital of Barrie	North Simcoe Muskoka	Central East	9 (60.0)	23 (82.1)	17 (85.0)
1833	Collingwood General & Marine Hospital	North Simcoe Muskoka	Central East	**	**	7 (70.0)
1844	Georgian Bay General Hospital (Midland)	North Simcoe Muskoka	Central East	**	**	7 (77.8)
1853	Orillia Soldiers' Memorial Hospital	North Simcoe Muskoka	Central East	**	14 (58.3)	7 (77.8)
4616	Muskoka Algonquin Healthcare (Huntsville)	North Simcoe Muskoka	Central East	-	-	18 (81.8)
4619	Muskoka Algonquin Healthcare (Bracebridge)	North Simcoe Muskoka	Central East	-	-	**
2058	St. Joseph's General Hospital	North East	Northeast	-	**	-
2066	Sault St. Marie General Hospital	North East	Northeast	6 (40.0)	-	-
2076	Lady Dunn Health Centre	North East	Northeast	-	**	-
2084	Anson General Hospital	North East	Northeast	**	**	-
2088	Sensenbrenner Hospital	North East	Northeast	**	**	-
2121	Manitoulin Health Centre (Little Current)	North East	Northeast	**	**	-
2123	Manitoulin Health Centre (Mindemoya)	North East	Northeast	**	**	**
2126	Mattawa General Hospital	North East	Northeast	**	-	-
2173	Services de Santé de Chapleau Health Services	North East	Northeast	**	-	-
2204	Englehart & District Hospital	North East	Northeast	**	**	**
2207	Temiskaming Hospital	North East	Northeast	**	**	-
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	6 (66.7)	7 (31.8)	13 (68.4)
3414	Timmins & District General Hospital	North East	Northeast	-	14 (63.6)	20 (83.3)
3729	West Parry Sound Health Centre	North East	Northeast	-	-	**
4059	Hôpital régional de Sudbury Regional Hospital (Laurentian)	North East	Northeast	-	8 (19.5)	17 (60.7)
4407	Sault Area Hospital (Sault Ste Marie)	North East	Northeast	-	8 (44.4)	13 (61.9)
2103	Dryden Regional Health Centre	North West	Northwest	-	**	**
2110	Lake-of-the-Woods District 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	**	-	**
3853	Thunder Bay Regional Health Sciences Centre	North West	Northwest	7 (36.8)	16 (48.5)	34 (94.4)
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 an acute care facility in Ontario with a final diagnosis of stroke.

Exclusion criteria: Patients with a diagnosis of transient ischemic attack; patients who were unconscious at the time of initial assessment while in hospital.

¹ Speech language pathology assessment or swallowing screen was performed within 72 hours of patient arriving to hospital. This includes bedside assessments done by health care providers (e.g., nurses) or standardized swallowing screen tests (e.g., TOR-BSST).

** 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 (-).

Exhibit 2.7a

Age- and sex-adjusted in-hospital complication rates for pneumonia among adult stroke or transient ischemic attack (TIA) patients¹, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04			2004/05			2005/06			2006/07		
				n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)
Ontario				262	15,731	1.7	243	15,857	1.5	218	15,668	1.4	229	15,181	1.5
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region												
1067	Leamington District Memorial Hospital	Erie St. Clair	Southwest	-	68	-	**	74	1.4	-	83	-	-	62	-
1079	Windsor Regional Hospital (Metropolitan)	Erie St. Clair	Southwest	-	208	-	**	204	1.0	-	180	-	-	173	-
1223	Public General Hospital Society of Chatham	Erie St. Clair	Southwest	**	165	1.2	**	159	1.3	**	161	0.6	**	169	1.2
1239	Sydenham District Hospital	Erie St. Clair	Southwest	**	59	1.7	**	44	2.3	-	42	-	-	23	-
3707	Hotel-Dieu Grace Hospital (St. Joseph's)	Erie St. Clair	Southwest	12	386	3.1	15	388	3.8	**	344	0.6	**	345	0.9
4415	Bluewater Health (Sarnia General)	Erie St. Clair	Southwest	-	177	-	**	209	0.5	-	168	-	-	154	-
4418	Bluewater Health (Petrolia)	Erie St. Clair	Southwest	-	29	-	**	32	9.5	-	30	-	-	19	-
1030	Grey Bruce Health Services (Lion's Head)	South West	Southwest	-	-	-	-	-	-	-	**	-	-	6	-
1059	St. Thomas-Elgin General Hospital	South West	Southwest	-	94	-	**	111	0.9	**	103	1.0	-	100	-
1124	Hanover & District Hospital	South West	Southwest	**	27	3.8	-	25	-	-	18	-	**	23	4.2
1199	Clinton Public Hospital	South West	Southwest	-	12	-	-	20	-	**	17	5.7	-	20	-
1203	South Huron Hospital	South West	Southwest	-	29	-	**	21	4.8	-	17	-	-	19	-
1206	Alexandra Marine & General Hospital	South West	Southwest	**	32	3.2	**	26	3.9	-	36	-	-	19	-
1213	Seaforth Community Hospital	South West	Southwest	-	13	-	-	9	-	-	10	-	-	13	-
1217	Wingham & District Hospital	South West	Southwest	-	29	-	**	20	5.0	**	27	3.7	-	29	-
1497	St. Joseph's Health Care, London	South West	Southwest	**	77	1.4	-	8	-	-	**	-	-	-	-
1507	Four Counties Health Services Corp	South West	Southwest	-	17	-	-	12	-	-	14	-	-	10	-
1515	Strathroy Middlesex General Hospital	South West	Southwest	**	63	1.6	-	54	-	-	46	-	-	52	-
1696	Alexandra Hospital	South West	Southwest	**	25	4.2	**	23	8.8	**	15	6.8	-	25	-
1709	Tilsonburg District Memorial Hospital	South West	Southwest	**	66	1.5	-	59	-	-	56	-	-	44	-
1716	Woodstock General Hospital	South West	Southwest	**	66	1.5	-	74	-	**	66	1.5	**	79	2.5
1740	Listowel Memorial Hospital	South West	Southwest	-	20	-	-	16	-	-	21	-	-	23	-
1748	St. Mary's Memorial Hospital	South West	Southwest	-	17	-	-	13	-	-	9	-	-	23	-
1754	Stratford General Hospital	South West	Southwest	-	77	-	-	72	-	**	94	1.1	-	72	-
3850	London Health Sciences Centre (University)	South West	Southwest	12	467	2.5	11	496	2.2	7	484	1.5	11	522	2.1
3907	South Bruce Grey Health Centre (Kincardine)	South West	Southwest	**	23	16.8	-	25	-	**	33	3.0	**	20	9.6
3944	Grey Bruce Health Services (Owen Sound)	South West	Southwest	**	121	1.6	**	114	1.7	**	98	3.1	-	80	-
4025	Grey Bruce Health Services (Markdale)	South West	Southwest	-	27	-	**	21	4.8	-	13	-	-	20	-
4027	Grey Bruce Health Services (Meaford)	South West	Southwest	-	20	-	-	28	-	-	25	-	-	25	-
4030	Grey Bruce Health Services (Southampton)	South West	Southwest	-	21	-	-	18	-	-	21	-	-	18	-
4033	Grey Bruce Health Services (Warton)	South West	Southwest	-	14	-	-	15	-	**	15	6.4	**	11	9.3
4036	South Bruce Grey Health Centre (Durham)	South West	Southwest	**	14	7.3	**	13	7.8	-	20	-	-	16	-
4039	South Bruce Grey Health Centre (Walkerton)	South West	Southwest	-	17	-	-	26	-	-	26	-	-	33	-
4042	South Bruce Grey Health Centre (Chesley)	South West	Southwest	-	11	-	-	14	-	-	6	-	-	14	-
1905	Cambridge Memorial Hospital	Waterloo Wellington	Central South	**	136	1.5	**	118	2.6	**	120	1.7	**	111	1.8
1921	St Mary's General Hospital	Waterloo Wellington	Central South	**	165	1.2	-	56	-	-	39	-	**	39	2.6
1936	Groves Memorial Community Hospital	Waterloo Wellington	Central South	-	54	-	-	63	-	**	59	1.7	-	34	-
1946	Guelph General Hospital	Waterloo Wellington	Central South	**	129	0.8	-	123	-	-	153	-	**	146	0.7
3734	Grand River Hospital Corp (Waterloo)	Waterloo Wellington	Central South	**	199	1.0	**	357	0.3	-	309	-	**	335	0.3
4323	North Wellington Health Care (Mount Forest)	Waterloo Wellington	Central South	**	29	7.1	-	32	-	**	29	3.4	-	18	-
4326	North Wellington Health Care (Palmerston)	Waterloo Wellington	Central South	-	9	-	-	16	-	-	11	-	-	12	-
1146	Haldimand War Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	-	33	-	-	27	-	-	31	-	-	25	-
1149	West Haldimand General Hospital	Hamilton Niagara Haldimand Brant	Central South	-	29	-	**	31	9.8	**	21	4.6	-	26	-
1160	Joseph Brant Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	-	217	-	**	220	0.9	**	194	2.1	**	200	0.5
1538	West Lincoln Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	-	46	-	-	39	-	-	39	-	-	28	-
1591	Norfolk General Hospital	Hamilton Niagara Haldimand Brant	Central South	**	87	1.2	**	93	1.1	**	73	1.4	-	70	-
1982	Hamilton Health Sciences Corp (General)	Hamilton Niagara Haldimand Brant	Central South	11	427	2.5	19	426	4.4	11	471	2.4	12	477	2.6
1983	Hamilton Health Sciences Corp (Henderson)	Hamilton Niagara Haldimand Brant	Central South	**	111	0.9	-	123	-	-	112	-	**	141	0.7

Exhibit 2.7a (continued)

Age- and sex-adjusted in-hospital complication rates for pneumonia among adult stroke or transient ischemic attack (TIA) patients¹, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04			2004/05			2005/06			2006/07		
				n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)
Ontario				262	15,731	1.7	243	15,857	1.5	218	15,668	1.4	229	15,181	1.5
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region												
1994	Hamilton Health Sciences Corp (McMaster)	Hamilton Niagara Haldimand Brant	Central South	**	108	1.9	**	123	0.8	-	119	-	**	96	1.0
2003	St. Joseph's Health Care System (Hamilton)	Hamilton Niagara Haldimand Brant	Central South	**	190	1.6	-	125	-	**	131	1.5	-	135	-
4210	Niagara Health System (Fort Erie Douglas)	Hamilton Niagara Haldimand Brant	Central South	-	42	-	-	32	-	-	47	-	-	37	-
4213	Niagara Health System (Greater Niagara)	Hamilton Niagara Haldimand Brant	Central South	-	144	-	-	129	-	-	167	-	**	167	1.2
4216	Niagara Health System (Niagara-on-the-Lake)	Hamilton Niagara Haldimand Brant	Central South	-	**	-	-	-	-	-	-	-	-	-	-
4219	Niagara Health System (Port Colborne)	Hamilton Niagara Haldimand Brant	Central South	**	25	4.0	**	23	4.4	-	16	-	-	13	-
4224	Niagara Health System (St. Catharines)	Hamilton Niagara Haldimand Brant	Central South	**	292	1.4	**	304	1.7	**	269	1.5	**	232	1.3
4227	Niagara Health System (Welland County)	Hamilton Niagara Haldimand Brant	Central South	**	136	1.5	-	165	-	**	123	0.8	**	132	2.3
4627	Niagara Health System (Ontario Street)	Hamilton Niagara Haldimand Brant	Central South	-	-	-	-	-	-	-	**	-	-	-	-
4675	Brant Community Healthcare System (Brantford)	Hamilton Niagara Haldimand Brant	Central South	**	215	1.4	**	178	0.6	**	187	2.7	**	196	1.5
3684	Headwaters Health Care Centre (Dufferin)	Central West	West GTA	-	114	-	-	75	-	**	96	1.0	-	97	-
3929	William Osler Health System (Etobicoke)	Central West	West GTA	6	210	2.8	**	219	0.9	-	205	-	**	194	2.1
4016	William Osler Health System (Brampton)	Central West	West GTA	**	235	2.1	**	246	0.8	7	185	3.8	**	201	1.5
4681	William Osler Health System (Civic)	Central West	West GTA	-	-	-	-	-	-	-	-	-	-	-	-
3286	Credit Valley Hospital	Mississauga Halton	West GTA	**	180	2.2	**	167	3.0	**	177	1.1	**	187	1.6
3917	Trillium Health Centre (Mississauga)	Mississauga Halton	West GTA	16	581	2.7	9	571	1.6	12	629	1.9	9	587	1.6
3926	Halton Healthcare Services Corp (Oakville)	Mississauga Halton	West GTA	**	177	0.6	**	205	2.5	**	185	2.2	**	184	2.2
4019	William Osler Health Centre (Georgetown)	Mississauga Halton	West GTA	-	46	-	**	59	1.7	**	39	2.5	-	-	-
4022	Halton Healthcare Services Corp (Milton)	Mississauga Halton	West GTA	-	34	-	**	49	2.1	**	40	2.5	-	54	-
4622	Halton Healthcare Services Corp (Georgetown)	Mississauga Halton	West GTA	-	-	-	-	-	-	-	8	-	-	36	-
1302	Toronto East General Hospital	Toronto Central	Toronto – Southeast	**	249	0.4	-	214	-	**	175	0.6	**	176	0.6
1444	St. Michael's Hospital	Toronto Central	Toronto – Southeast	10	269	3.5	9	275	3.2	**	291	1.5	16	324	5.1
1406	Hospital for Sick Children	Toronto Central	Toronto – West	-	**	-	-	-	-	-	-	-	-	-	-
1423	Mount Sinai Hospital	Toronto Central	Toronto – West	**	112	1.6	**	116	0.9	**	104	1.9	**	103	1.9
1443	St. Joseph's Health Centre	Toronto Central	Toronto – West	**	232	0.4	-	229	-	-	194	-	**	183	1.6
3910	University Health Network	Toronto Central	Toronto – West	27	477	5.4	30	537	5.5	21	592	3.7	21	552	3.9
3936	Sunnybrook Health Sciences Centre	Toronto Central	Toronto – North & East	13	324	4.0	11	385	2.8	25	511	4.9	13	398	3.3
1330	North York General Hospital	Central	Toronto – North & East	6	262	2.4	**	366	0.8	**	299	1.0	8	351	2.2
1343	Humber River Regional Hospital (York-Finch)	Central	Toronto – West	-	206	-	**	199	1.5	**	206	1.5	**	170	3.0
3883	Humber River Regional Hospital (Humber Memorial)	Central	Toronto – West	6	250	2.5	**	220	1.8	**	215	1.9	**	193	2.6
1817	Stevenson Memorial Hospital, Alliston	Central	Central East	**	54	1.9	-	36	-	-	52	-	-	33	-
2038	Southlake Regional Health Centre	Central	Central East	11	210	5.2	**	183	1.1	**	198	1.5	**	200	1.0
2046	York Central Hospital	Central	Central East	**	249	2.0	**	273	0.4	**	259	1.5	8	352	2.3
3587	Markham Stouffville Hospital	Central	Central East	**	114	0.9	-	114	-	**	135	0.7	**	120	3.3
4465	Markham Stouffville Hospital (Uxbridge)	Central East	Central East	-	31	-	-	28	-	-	27	-	-	14	-
1597	Campbellford Memorial Hospital	Central East	Central East	**	34	6.0	**	32	3.2	-	34	-	**	39	2.5
1768	Peterborough Regional Health Centre	Central East	Central East	9	240	3.8	**	223	1.4	**	228	2.2	**	246	0.8
1893	Ross Memorial Hospital	Central East	Central East	**	110	0.9	**	98	4.1	**	119	1.6	**	104	1.0
3737	Haliburton Highlands Health Services Corp (Haliburton)	Central East	Central East	-	7	-	**	11	9.1	-	7	-	**	**	25.1
3860	Northumberland Hills Hospital	Central East	Central East	-	84	-	**	90	1.1	**	84	3.5	-	64	-
3932	Lakeridge Health Corporation (Oshawa)	Central East	Central East	**	233	1.3	**	236	0.4	**	209	0.5	**	219	1.4
4005	Lakeridge Health Corporation (Port Perry)	Central East	Central East	**	42	4.9	**	27	3.7	-	36	-	-	31	-
4008	Lakeridge Health Corporation (Bowmanville)	Central East	Central East	**	72	1.4	**	71	1.4	-	65	-	**	76	6.6
3943	Rouge Valley Health System (Centenary)	Central East	Toronto – Southeast	**	234	0.4	**	205	0.5	**	165	3.0	**	200	0.5
4014	Rouge Valley Health System (Ajax)	Central East	Toronto – Southeast	-	113	-	**	135	0.7	**	120	0.8	-	128	-
4152	Scarborough Hospital (General)	Central East	Toronto – North & East	**	261	1.2	**	243	2.1	**	232	1.7	-	239	-
4154	Scarborough Hospital (Grace)	Central East	Toronto – North & East	**	182	1.7	**	217	1.9	**	176	0.6	-	177	-
1097	Hotel Dieu Hospital (Kingston)	South East	South East	-	-	-	-	**	-	-	-	-	-	-	-

Exhibit 2.7a (continued)

Age- and sex-adjusted in-hospital complication rates for pneumonia among adult stroke or transient ischemic attack (TIA) patients¹, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04			2004/05			2005/06			2006/07		
				n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)
Ontario				262	15,731	1.7	243	15,857	1.5	218	15,668	1.4	229	15,181	1.5
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region												
1100	Kingston General Hospital	South East	South East	10	283	3.5	7	323	2.2	**	277	1.8	**	280	0.4
1269	Perth & Smiths Falls District Hospital (Smiths Falls)	South East	South East	**	50	2.1	-	35	0.0	**	39	2.6	-	18	-
1273	Brockville General Hospital	South East	South East	-	109	-	**	94	1.1	**	88	1.1	**	91	3.2
1295	Lennox & Addington County General Hospital	South East	South East	-	23	-	-	19	-	-	19	-	-	27	-
3732	Perth & Smiths Falls District Hospital (Perth)	South East	South East	-	26	-	**	30	3.4	-	36	-	-	22	-
3988	Quinte Healthcare Corporation (Belleville)	South East	South East	-	144	-	**	139	0.7	-	128	-	**	104	1.0
3991	Quinte Healthcare Corporation (Bancroft)	South East	South East	-	15	-	-	18	-	-	12	-	-	12	-
3992	Quinte Healthcare Corporation (Picton)	South East	South East	-	41	-	-	36	-	-	31	-	**	17	11.2
3994	Quinte Healthcare Corporation (Trenton)	South East	South East	**	65	3.1	-	70	-	-	52	-	-	49	-
1254	Almonte General Hospital	Champlain	East – Champlain	**	15	6.8	-	16	-	-	19	-	-	8	-
1256	Carleton Place & District Memorial Hospital	Champlain	East – Champlain	-	24	-	-	24	-	-	17	-	-	15	-
1284	Kemptville District Hospital	Champlain	East – Champlain	-	22	-	-	14	-	-	15	-	**	14	14.0
1661	Hôpital Montfort	Champlain	East – Champlain	**	102	1.0	**	131	1.6	**	98	1.0	**	99	1.0
1681	Queensway-Carleton Hospital	Champlain	East – Champlain	**	194	2.1	-	168	-	**	171	0.6	**	146	1.3
1777	Hawkesbury & District General Hospital	Champlain	East – Champlain	-	26	-	**	34	3.0	-	48	-	-	27	-
1799	Amprior & District Memorial Hospital	Champlain	East – Champlain	-	21	-	-	17	-	-	18	-	**	22	4.4
1801	St. Francis Memorial Hospital	Champlain	East – Champlain	**	10	10.3	-	13	-	-	12	-	-	14	-
1803	Deep River & District Hospital	Champlain	East – Champlain	-	**	-	**	13	15.7	-	14	-	-	8	-
1804	Pembroke Regional Hospital Inc.	Champlain	East – Champlain	-	110	-	**	125	1.6	**	181	1.1	**	155	2.6
1813	Renfrew Victoria Hospital	Champlain	East – Champlain	-	17	-	-	28	-	**	23	8.4	**	16	6.1
1870	Glengarry Memorial Hospital	Champlain	East – Champlain	**	21	5.0	-	18	-	-	14	-	-	21	-
1885	Winchester District Memorial Hospital	Champlain	East – Champlain	-	45	-	-	34	-	-	35	-	-	19	-
4046	Ottawa Hospital (Civic)	Champlain	East – Champlain	**	205	1.9	9	258	3.5	7	323	2.2	**	296	1.7
4048	Ottawa Hospital (General)	Champlain	East – Champlain	6	362	1.6	**	324	0.9	**	326	1.5	9	323	2.8
4164	University of Ottawa Heart Institute	Champlain	East – Champlain	-	**	-	-	**	-	-	**	-	-	**	-
4451	Cornwall Community Hospital	Champlain	East – Champlain	-	82	-	**	81	1.2	**	82	1.2	-	76	-
1825	Royal Victoria Hospital of Barrie	North Simcoe Muskoka	Central East	-	207	-	**	223	0.9	**	217	1.4	**	199	1.5
1833	Collingwood General & Marine Hospital	North Simcoe Muskoka	Central East	-	88	-	**	109	1.9	-	101	-	-	92	-
1844	Georgian Bay General Hospital (Midland)	North Simcoe Muskoka	Central East	-	94	-	-	101	-	**	100	1.0	-	94	-
1853	Orillia Soldiers' Memorial Hospital	North Simcoe Muskoka	Central East	**	167	0.6	**	155	1.9	**	122	0.8	**	98	1.0
4616	Muskoka Algonquin Healthcare (Huntsville)	North Simcoe Muskoka	Central East	**	60	1.7	**	58	1.7	-	61	-	**	62	1.6
4619	Muskoka Algonquin Healthcare (Bracebridge)	North Simcoe Muskoka	Central East	-	86	-	-	83	-	**	75	2.7	-	62	-
2057	Blind River District Health Centre/Pavillon Santé	North East	Northeast	-	**	-	-	**	-	-	8	-	-	7	-
2058	St Joseph's General Hospital	North East	Northeast	-	32	-	**	34	2.9	**	35	2.8	-	46	-
2061	Hornepayne Community Hospital	North East	Northeast	-	**	-	-	**	-	-	**	-	-	**	-
2076	Lady Dunn Health Centre	North East	Northeast	-	**	-	-	9	-	-	**	-	-	**	-
2078	Lady Minto Hospital	North East	Northeast	-	9	-	-	17	-	-	11	-	-	8	-
2082	Hopital Notre Dame Hospital, Hearst	North East	Northeast	-	7	-	-	6	-	-	6	-	-	8	-
2084	Anson General Hospital	North East	Northeast	-	10	-	**	9	11.0	-	8	-	-	12	-
2088	Sensenbrenner Hospital	North East	Northeast	-	26	-	-	26	-	-	20	-	-	28	-
2090	Bingham Memorial Hospital	North East	Northeast	-	**	-	-	**	-	-	**	-	-	**	-
2091	Weeneebayko General Hospital	North East	Northeast	-	8	-	-	**	-	-	**	-	-	7	-
2094	Smooth Rock Falls Hospital	North East	Northeast	-	**	-	-	**	-	-	**	-	-	6	-
2121	Manitoulin Health Centre (Little Current)	North East	Northeast	-	18	-	-	17	-	-	19	-	-	18	-
2123	Manitoulin Health Centre (Mindemoya)	North East	Northeast	-	21	-	-	16	-	-	17	-	-	16	-
2126	Mattawa General Hospital	North East	Northeast	-	8	-	-	9	-	**	10	9.7	**	7	14.8
2173	Services de Santé de Chapleau Health Services	North East	Northeast	-	**	-	-	7	-	-	**	-	-	**	-
2174	Espanola General Hospital	North East	Northeast	-	14	-	-	17	-	-	16	-	-	6	-

Exhibit 2.7a (continued)

Age- and sex-adjusted in-hospital complication rates for pneumonia among adult stroke or transient ischemic attack (TIA) patients¹, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2003/04			2004/05			2005/06			2006/07		
				n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)
Ontario				262	15,731	1.7	243	15,857	1.5	218	15,668	1.4	229	15,181	1.5
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region												
2204	Englehart & District Hospital	North East	Northeast	**	7	14.1	-	6	-	-	7	-	**	10	10.2
2207	Temiskaming Hospital	North East	Northeast	-	39	-	-	29	-	-	23	-	**	32	3.1
2211	Kirkland & District Hospital	North East	Northeast	**	32	3.1	-	24	-	-	28	-	-	23	-
2812	West Nipissing General Hospital	North East	Northeast	-	29	-	-	24	-	-	25	-	-	25	-
3411	North Bay General Hospital (Civic/St. Joseph's)	North East	Northeast	**	163	0.6	-	155	-	-	175	-	**	135	0.7
3414	Timmins & District General Hospital	North East	Northeast	**	66	1.5	**	66	3.0	**	89	1.1	**	75	2.7
3729	West Parry Sound Health Centre	North East	Northeast	**	29	3.5	**	39	2.6	**	32	3.1	**	53	1.9
4059	Hôpital régional de Sudbury Regional Hospital (Laurentian)	North East	Northeast	**	335	0.9	-	332	-	**	352	0.6	**	316	1.0
4407	Sault Area Hospital (Sault Ste Marie)	North East	Northeast	-	176	-	**	167	0.6	-	206	-	**	194	1.5
4702	Weeneebayko Area Health Authority (Attawapiskat)	North East	Northeast	-	-	-	-	-	-	-	-	-	-	-	-
2103	Dryden Regional Health Centre	North West	Northwest	-	18	-	**	16	6.2	-	10	-	-	12	-
2110	Lake-of-the-Woods District Hospital	North West	Northwest	-	29	-	-	33	-	-	37	-	-	38	-
2115	Red Lake Margaret Cochenour Memorial Hospital	North West	Northwest	-	7	-	**	10	9.8	-	12	-	-	9	-
2147	Atikokan General Hospital	North West	Northwest	-	8	-	-	6	-	-	**	-	-	**	-
2148	Riverside Health Care Facility (Emo)	North West	Northwest	-	**	-	-	**	-	-	**	-	-	**	-
2150	Riverside Health Care Facility (La Verendrye)	North West	Northwest	-	28	-	-	34	-	-	38	-	-	31	-
2153	Riverside Health Care Facility (Rainy River)	North West	Northwest	-	**	-	-	**	-	-	**	-	-	**	-
2175	Geraldton District Hospital	North West	Northwest	-	**	-	-	7	-	-	**	-	-	**	-
2176	Manitouawadge General Hospital	North West	Northwest	-	-	-	-	**	-	-	**	-	-	-	-
2177	Wilson Memorial General Hospital	North West	Northwest	-	**	-	-	**	-	-	**	-	-	6	-
2178	Nipigon District Memorial Hospital	North West	Northwest	-	6	-	-	10	-	**	11	9.2	-	**	-
2180	McCausland Hospital	North West	Northwest	-	**	-	**	6	17.0	-	**	-	-	-	-
3853	Thunder Bay Regional Health Sciences Centre	North West	Northwest	**	277	0.7	-	295	-	**	352	0.9	**	364	0.3
4353	Sioux Lookout Meno-Ya-Win Health Centre (District)	North West	Northwest	-	8	-	-	10	-	-	8	-	-	7	-
4356	Sioux Lookout Meno-Ya-Win Health Centre (Zone)	North West	Northwest	-	**	-	-	-	-	-	-	-	-	-	-

Exhibit 2.7a (continued)

Age- and sex-adjusted in-hospital complication rates for pneumonia among adult stroke or transient ischemic attack (TIA) patients¹, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2007/08			2008/09			2009/10		
				n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)
Ontario				187	15,182	1.2	178	15,107	1.2	205	15,347	1.3
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region									
1067	Leamington District Memorial Hospital	Erie St. Clair	Southwest	-	79	-	**	81	1.1	-	54	-
1079	Windsor Regional Hospital (Metropolitan)	Erie St. Clair	Southwest	**	180	0.6	**	173	1.1	**	177	1.1
1223	Public General Hospital Society of Chatham	Erie St. Clair	Southwest	-	185	-	-	196	-	-	223	-
1239	Sydenham District Hospital	Erie St. Clair	Southwest	-	16	-	**	13	7.0	-	7	-
3707	Hotel-Dieu Grace Hospital (St. Joseph's)	Erie St. Clair	Southwest	**	332	1.5	**	319	1.6	**	361	0.8
4415	Bluewater Health (Sarnia General)	Erie St. Clair	Southwest	-	148	-	-	127	-	**	154	0.7
4418	Bluewater Health (Petrolia)	Erie St. Clair	Southwest	-	18	-	-	14	-	-	16	-
1030	Grey Bruce Health Services (Lion's Head)	South West	Southwest	-	**	-	-	6	-	-	**	-
1059	St. Thomas-Elgin General Hospital	South West	Southwest	-	87	-	-	95	-	-	77	-
1124	Hanover & District Hospital	South West	Southwest	**	24	7.4	-	16	-	-	23	-
1199	Clinton Public Hospital	South West	Southwest	-	12	-	-	6	-	-	11	-
1203	South Huron Hospital	South West	Southwest	-	22	-	-	26	-	-	12	-
1206	Alexandra Marine & General Hospital	South West	Southwest	-	33	-	-	24	-	-	30	-
1213	Seaforth Community Hospital	South West	Southwest	-	15	-	-	10	-	-	10	-
1217	Wingham & District Hospital	South West	Southwest	-	21	-	-	21	-	**	28	3.4
1497	St. Joseph's Health Care, London	South West	Southwest	-	-	-	-	-	-	-	-	-
1507	Four Counties Health Services Corp	South West	Southwest	-	13	-	-	9	-	-	13	-
1515	Strathroy Middlesex General Hospital	South West	Southwest	-	57	-	-	29	-	**	41	2.4
1696	Alexandra Hospital	South West	Southwest	-	13	-	-	6	-	-	20	-
1709	Tilsonburg District Memorial Hospital	South West	Southwest	-	43	-	-	51	-	-	46	-
1716	Woodstock General Hospital	South West	Southwest	**	57	1.6	**	55	1.7	-	57	-
1740	Listowel Memorial Hospital	South West	Southwest	-	11	-	-	24	-	**	20	9.7
1748	St. Mary's Memorial Hospital	South West	Southwest	-	21	-	-	12	-	-	9	-
1754	Stratford General Hospital	South West	Southwest	-	93	-	**	103	2.8	-	112	-
3850	London Health Sciences Centre (University)	South West	Southwest	13	535	2.5	7	470	1.6	8	605	1.3
3907	South Bruce Grey Health Centre (Kincardine)	South West	Southwest	-	24	-	**	21	4.5	**	38	5.2
3944	Grey Bruce Health Services (Owen Sound)	South West	Southwest	**	100	1.0	-	111	-	-	94	-
4025	Grey Bruce Health Services (Markdale)	South West	Southwest	**	22	4.5	-	13	-	-	14	-
4027	Grey Bruce Health Services (Meaford)	South West	Southwest	-	19	-	-	28	-	-	25	-
4030	Grey Bruce Health Services (Southampton)	South West	Southwest	-	9	-	-	17	-	-	16	-
4033	Grey Bruce Health Services (Warton)	South West	Southwest	-	7	-	-	11	-	-	17	-
4036	South Bruce Grey Health Centre (Durham)	South West	Southwest	-	11	-	-	19	-	-	14	-
4039	South Bruce Grey Health Centre (Walkerton)	South West	Southwest	-	23	-	-	15	-	-	25	-
4042	South Bruce Grey Health Centre (Chesley)	South West	Southwest	-	14	-	-	12	-	-	10	-
1905	Cambridge Memorial Hospital	Waterloo Wellington	Central South	-	110	-	**	96	1.0	**	112	1.8
1921	St Mary's General Hospital	Waterloo Wellington	Central South	-	35	-	-	41	-	-	26	-
1936	Groves Memorial Community Hospital	Waterloo Wellington	Central South	**	62	3.0	**	46	2.0	**	44	2.2
1946	Guelph General Hospital	Waterloo Wellington	Central South	**	127	0.8	-	143	-	**	131	0.8
3734	Grand River Hospital Corp (Waterloo)	Waterloo Wellington	Central South	**	320	0.3	**	349	0.8	**	362	0.3
4323	North Wellington Health Care (Mount Forest)	Waterloo Wellington	Central South	-	17	-	-	26	-	**	17	6.0
4326	North Wellington Health Care (Palmerston)	Waterloo Wellington	Central South	-	12	-	-	13	-	-	17	-
1146	Haldimand War Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	-	23	-	-	15	-	-	21	-
1149	West Haldimand General Hospital	Hamilton Niagara Haldimand Brant	Central South	**	23	4.3	-	21	-	-	16	-
1160	Joseph Brant Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	**	189	0.5	**	188	0.5	-	210	-
1538	West Lincoln Memorial Hospital	Hamilton Niagara Haldimand Brant	Central South	-	42	-	-	39	-	-	32	-
1591	Norfolk General Hospital	Hamilton Niagara Haldimand Brant	Central South	**	92	5.2	-	67	-	-	76	-
1982	Hamilton Health Sciences Corp (General)	Hamilton Niagara Haldimand Brant	Central South	10	496	2.1	15	471	3.4	20	503	4.1
1983	Hamilton Health Sciences Corp (Henderson)	Hamilton Niagara Haldimand Brant	Central South	**	111	2.7	-	107	-	**	124	2.4
1994	Hamilton Health Sciences Corp (McMaster)	Hamilton Niagara Haldimand Brant	Central South	**	102	1.0	-	89	-	-	79	-

Exhibit 2.7a (continued)

Age- and sex-adjusted in-hospital complication rates for pneumonia among adult stroke or transient ischemic attack (TIA) patients¹, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2007/08			2008/09			2009/10		
				n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)
Ontario				187	15,182	1.2	178	15,107	1.2	205	15,347	1.3
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region									
2003	St. Joseph's Health Care System (Hamilton)	Hamilton Niagara Haldimand Brant	Central South	**	118	1.7	-	129	-	**	125	2.4
4210	Niagara Health System (Fort Erie Douglas)	Hamilton Niagara Haldimand Brant	Central South	-	26	-	-	15	-	-	8	-
4213	Niagara Health System (Greater Niagara)	Hamilton Niagara Haldimand Brant	Central South	-	149	-	-	179	-	-	222	-
4216	Niagara Health System (Niagara-on-the-Lake)	Hamilton Niagara Haldimand Brant	Central South	-	-	-	-	-	-	-	-	-
4219	Niagara Health System (Port Colborne)	Hamilton Niagara Haldimand Brant	Central South	-	9	-	-	15	-	**	**	32.7
4224	Niagara Health System (St. Catharines)	Hamilton Niagara Haldimand Brant	Central South	**	274	1.1	**	217	0.9	**	185	1.6
4227	Niagara Health System (Welland County)	Hamilton Niagara Haldimand Brant	Central South	**	105	2.8	-	97	-	-	143	0.0
4627	Niagara Health System (Ontario Street)	Hamilton Niagara Haldimand Brant	Central South	-	-	-	-	-	-	-	-	-
4675	Brant Community Healthcare System (Brantford)	Hamilton Niagara Haldimand Brant	Central South	**	209	1.0	**	198	1.5	**	231	0.9
3684	Headwaters Health Care Centre (Dufferin)	Central West	West GTA	-	107	-	**	101	1.9	-	78	-
3929	William Osler Health System (Etobicoke)	Central West	West GTA	**	209	2.4	**	216	0.9	**	223	2.3
4016	William Osler Health System (Brampton)	Central West	West GTA	**	150	1.3	-	-	-	-	-	-
4681	William Osler Health System (Civic)	Central West	West GTA	**	105	1.0	**	241	1.8	**	272	1.5
3286	Credit Valley Hospital	Mississauga Halton	West GTA	**	194	1.1	**	229	0.5	**	205	1.5
3917	Trillium Health Centre (Mississauga)	Mississauga Halton	West GTA	15	556	2.7	16	666	2.5	7	653	1.1
3926	Halton Healthcare Services Corp (Oakville)	Mississauga Halton	West GTA	**	164	1.8	**	156	1.8	**	172	2.3
4019	William Osler Health Centre (Georgetown)	Mississauga Halton	West GTA	-	-	-	-	-	-	-	-	-
4022	Halton Healthcare Services Corp (Milton)	Mississauga Halton	West GTA	**	40	2.6	-	66	-	-	50	-
4622	Halton Healthcare Services Corp (Georgetown)	Mississauga Halton	West GTA	-	45	-	-	54	-	-	55	-
1302	Toronto East General Hospital	Toronto Central	Toronto – Southeast	-	180	-	-	171	-	**	191	1.0
1444	St. Michael's Hospital	Toronto Central	Toronto – Southeast	6	335	2.0	10	352	3.3	9	354	2.7
1406	Hospital for Sick Children	Toronto Central	Toronto – West	-	-	-	-	-	-	-	-	-
1423	Mount Sinai Hospital	Toronto Central	Toronto – West	-	90	-	**	114	0.9	**	118	0.8
1443	St. Joseph's Health Centre	Toronto Central	Toronto – West	**	215	0.5	**	213	0.9	-	190	-
3910	University Health Network	Toronto Central	Toronto – West	20	630	3.4	19	617	3.4	10	606	1.7
3936	Sunnybrook Health Sciences Centre	Toronto Central	Toronto – North & East	**	369	0.6	**	436	0.9	10	452	2.2
1330	North York General Hospital	Central	Toronto – North & East	**	352	0.6	**	291	0.7	**	299	0.7
1343	Humber River Regional Hospital (York-Finch)	Central	Toronto – West	**	164	0.6	**	171	2.3	**	156	3.2
3883	Humber River Regional Hospital (Humber Memorial)	Central	Toronto – West	**	195	1.0	**	184	2.1	**	165	0.6
1817	Stevenson Memorial Hospital, Alliston	Central	Central East	-	35	-	-	44	-	-	47	-
2038	Southlake Regional Health Centre	Central	Central East	**	201	1.5	**	207	1.4	**	200	1.0
2046	York Central Hospital	Central	Central East	**	320	1.2	**	294	0.7	9	261	3.5
3587	Markham Stouffville Hospital	Central	Central East	-	113	-	**	144	1.4	**	143	0.7
4465	Markham Stouffville Hospital (Uxbridge)	Central East	Central East	-	19	-	-	23	-	-	18	-
1597	Campbellford Memorial Hospital	Central East	Central East	-	30	-	**	26	3.8	**	22	4.6
1768	Peterborough Regional Health Centre	Central East	Central East	**	229	0.4	**	208	0.5	**	235	1.3
1893	Ross Memorial Hospital	Central East	Central East	**	83	1.1	**	94	1.0	**	94	1.1
3737	Haliburton Highlands Health Services Corp (Haliburton)	Central East	Central East	-	6	-	-	**	-	-	7	-
3860	Northumberland Hills Hospital	Central East	Central East	**	59	1.6	**	66	1.4	-	61	-
3932	Lakeridge Health Corporation (Oshawa)	Central East	Central East	**	199	1.5	**	226	1.7	6	273	2.2
4005	Lakeridge Health Corporation (Port Perry)	Central East	Central East	-	30	-	**	28	3.4	-	36	-
4008	Lakeridge Health Corporation (Bowmanville)	Central East	Central East	**	61	1.6	-	58	-	**	50	2.0
3943	Rouge Valley Health System (Centenary)	Central East	Toronto – Southeast	**	192	0.5	-	211	-	**	201	1.0
4014	Rouge Valley Health System (Ajax)	Central East	Toronto – Southeast	**	111	1.8	-	134	-	**	103	1.0
4152	Scarborough Hospital (General)	Central East	Toronto – North & East	**	252	0.4	**	205	0.5	**	160	1.9
4154	Scarborough Hospital (Grace)	Central East	Toronto – North & East	**	149	0.7	**	198	0.5	-	207	-
1097	Hotel Dieu Hospital (Kingston)	South East	South East	-	-	-	-	-	-	-	-	-
1100	Kingston General Hospital	South East	South East	**	310	1.0	**	297	1.1	**	278	1.1

Exhibit 2.7a (continued)

Age- and sex-adjusted in-hospital complication rates for pneumonia among adult stroke or transient ischemic attack (TIA) patients¹, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2007/08			2008/09			2009/10		
				n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)
Ontario				187	15,182	1.2	178	15,107	1.2	205	15,347	1.3
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region									
1269	Perth & Smiths Falls District Hospital (Smiths Falls)	South East	South East	-	20	-	-	14	-	-	23	-
1273	Brockville General Hospital	South East	South East	**	99	1.9	**	87	1.1	-	94	-
1295	Lennox & Addington County General Hospital	South East	South East	-	21	-	-	23	-	-	15	-
3732	Perth & Smiths Falls District Hospital (Perth)	South East	South East	-	30	-	-	35	-	-	29	-
3988	Quinte Healthcare Corporation (Belleville)	South East	South East	**	132	1.4	**	95	2.1	**	106	0.9
3991	Quinte Healthcare Corporation (Bancroft)	South East	South East	-	**	-	-	7	-	-	**	-
3992	Quinte Healthcare Corporation (Picton)	South East	South East	-	38	-	-	32	-	-	41	-
3994	Quinte Healthcare Corporation (Trenton)	South East	South East	-	51	-	-	42	-	-	34	-
1254	Almonte General Hospital	Champlain	East – Champlain	**	17	5.8	-	6	-	-	11	-
1256	Carleton Place & District Memorial Hospital	Champlain	East – Champlain	-	14	-	-	7	-	**	11	9.1
1284	Kemptville District Hospital	Champlain	East – Champlain	-	16	-	-	10	-	-	**	-
1661	Hôpital Montfort	Champlain	East – Champlain	**	86	3.5	**	56	1.7	-	108	-
1681	Queensway-Carleton Hospital	Champlain	East – Champlain	**	134	2.2	**	112	0.8	**	109	0.9
1777	Hawkesbury & District General Hospital	Champlain	East – Champlain	-	50	-	-	44	-	**	37	2.7
1799	Amprior & District Memorial Hospital	Champlain	East – Champlain	**	20	4.8	-	17	-	-	19	-
1801	St. Francis Memorial Hospital	Champlain	East – Champlain	-	9	-	-	**	-	-	**	-
1803	Deep River & District Hospital	Champlain	East – Champlain	-	7	-	-	**	-	-	6	-
1804	Pembroke Regional Hospital Inc.	Champlain	East – Champlain	**	132	0.8	**	116	2.5	**	113	2.6
1813	Renfrew Victoria Hospital	Champlain	East – Champlain	-	20	-	-	17	-	-	19	-
1870	Glengarry Memorial Hospital	Champlain	East – Champlain	-	15	-	-	15	-	-	7	-
1885	Winchester District Memorial Hospital	Champlain	East – Champlain	**	24	4.0	**	21	4.4	-	25	-
4046	Ottawa Hospital (Civic)	Champlain	East – Champlain	**	312	0.7	9	485	2.0	21	559	3.8
4048	Ottawa Hospital (General)	Champlain	East – Champlain	9	372	2.5	**	166	1.8	**	109	0.9
4164	University of Ottawa Heart Institute	Champlain	East – Champlain	-	6	-	-	7	-	-	**	-
4451	Cornwall Community Hospital	Champlain	East – Champlain	-	75	-	**	81	1.2	-	74	-
1825	Royal Victoria Hospital of Barrie	North Simcoe Muskoka	Central East	**	231	1.3	-	217	-	7	228	3.1
1833	Collingwood General & Marine Hospital	North Simcoe Muskoka	Central East	-	85	-	-	81	-	**	78	1.3
1844	Georgian Bay General Hospital (Midland)	North Simcoe Muskoka	Central East	-	103	-	**	90	1.1	**	103	1.0
1853	Orillia Soldiers' Memorial Hospital	North Simcoe Muskoka	Central East	-	98	-	-	119	-	**	95	1.0
4616	Muskoka Algonquin Healthcare (Huntsville)	North Simcoe Muskoka	Central East	**	62	1.6	-	55	-	-	53	-
4619	Muskoka Algonquin Healthcare (Bracebridge)	North Simcoe Muskoka	Central East	-	59	-	-	85	-	-	64	-
2057	Blind River District Health Centre/Pavillon Santé	North East	Northeast	-	**	-	-	6	-	-	**	-
2058	St Joseph's General Hospital	North East	Northeast	**	43	2.2	-	38	-	-	33	-
2061	Hornepayne Community Hospital	North East	Northeast	-	**	-	-	-	-	-	**	-
2076	Lady Dunn Health Centre	North East	Northeast	-	**	-	-	**	-	-	**	-
2078	Lady Minto Hospital	North East	Northeast	-	10	-	-	8	-	-	11	-
2082	Hopital Notre Dame Hospital, Hearst	North East	Northeast	-	10	-	-	**	-	-	10	-
2084	Anson General Hospital	North East	Northeast	-	6	-	-	6	-	-	7	-
2088	Sensenbrenner Hospital	North East	Northeast	-	20	-	**	29	3.3	-	21	-
2090	Bingham Memorial Hospital	North East	Northeast	-	**	-	-	**	-	-	**	-
2091	Weeneebayko General Hospital	North East	Northeast	-	6	-	-	6	-	-	8	-
2094	Smooth Rock Falls Hospital	North East	Northeast	-	**	-	-	**	-	-	**	-
2121	Manitoulin Health Centre (Little Current)	North East	Northeast	-	15	-	-	13	-	-	17	-
2123	Manitoulin Health Centre (Mindemoya)	North East	Northeast	-	19	-	-	17	-	-	20	-
2126	Mattawa General Hospital	North East	Northeast	-	7	-	-	11	-	-	9	-
2173	Services de Santé de Chapeau Health Services	North East	Northeast	-	6	-	-	**	-	-	**	-
2174	Espanola General Hospital	North East	Northeast	-	8	-	**	12	8.5	-	17	-
2204	Englehart & District Hospital	North East	Northeast	-	**	-	**	16	5.9	-	16	-

Exhibit 2.7a (continued)

Age- and sex-adjusted in-hospital complication rates for pneumonia among adult stroke or transient ischemic attack (TIA) patients¹, in Ontario and by facility, 2003/04 to 2009/10

Group/Sub-Group				2007/08			2008/09			2009/10		
				n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)	n	N	Adjusted ² Rate (%)
Ontario				187	15,182	1.2	178	15,107	1.2	205	15,347	1.3
Institution No.	Institution (Site)	Local Health Integration Network	Ontario Stroke System Region									
2207	Temiskaming Hospital	North East	Northeast	-	32	-	-	30	-	-	27	-
2211	Kirkland & District Hospital	North East	Northeast	**	22	4.7	**	23	4.6	-	20	-
2812	West Nipissing General Hospital	North East	Northeast	-	30	-	-	25	-	-	28	-
3411	North Bay General Hospital (Civic/St. Joseph's)	North East	Northeast	-	142	-	-	167	-	-	143	-
3414	Timmins & District General Hospital	North East	Northeast	-	61	-	-	75	-	-	88	-
3729	West Parry Sound Health Centre	North East	Northeast	-	30	-	-	37	-	-	42	-
4059	Hôpital régional de Sudbury Regional Hospital (Laurentian)	North East	Northeast	**	299	1.0	**	309	1.0	**	311	1.3
4407	Sault Area Hospital (Sault Ste Marie)	North East	Northeast	**	197	0.5	**	221	0.5	**	184	0.5
4702	Weeneebayko Area Health Authority (Attawapiskat)	North East	Northeast	-	-	-	-	**	-	-	-	-
2103	Dryden Regional Health Centre	North West	Northwest	-	15	-	**	14	6.6	-	11	-
2110	Lake-of-the-Woods District Hospital	North West	Northwest	-	48	-	-	43	-	**	35	2.9
2115	Red Lake Margaret Cochenour Memorial Hospital	North West	Northwest	-	10	-	-	7	-	-	8	-
2147	Atikokan General Hospital	North West	Northwest	-	**	-	-	8	-	-	**	-
2148	Riverside Health Care Facility (Emo)	North West	Northwest	-	**	-	-	-	-	-	**	-
2150	Riverside Health Care Facility (La Verendrye)	North West	Northwest	**	25	3.9	-	30	-	-	32	-
2153	Riverside Health Care Facility (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	-	**	-	-	6	-	-	**	-
2180	McCausland Hospital	North West	Northwest	-	**	-	-	**	-	-	**	-
3853	Thunder Bay Regional Health Sciences Centre	North West	Northwest	7	338	2.1	**	323	1.0	6	334	1.8
4353	Sioux Lookout Meno-Ya-Win Health Centre (District)	North West	Northwest	-	**	-	**	9	11.3	-	**	-
4356	Sioux Lookout Meno-Ya-Win Health Centre (Zone)	North West	Northwest	-	-	-	-	-	-	-	-	-

Data source: Canadian Institute for Health Information, Discharge Abstract Database (CIHI-DAD), 2003/04 to 2009/10.
Inclusion criteria: All stroke and TIA patients aged ≥18 years admitted to an acute care hospital for stroke management.
Exclusion criteria: Patients with elective admissions.

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

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

** 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 (-).