

Rates of Stroke in Asthma Individuals

		Rates of Stroke in Asthma Individuals (Per 100 Asthma Prevalence)																													
Sex	Age Group	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023*	2024*	
All	All	4.64	5.09	5.48	5.80	6.06	6.31	6.46	6.58	6.72	6.81	6.85	6.87	6.89	6.88	6.86	6.85	6.84	6.87	6.93	6.97	7.03	7.10	7.17	7.23	7.29	7.34	7.40	7.48	7.57	
	20-29	0.50	0.56	0.61	0.64	0.66	0.68	0.71	0.75	0.79	0.80	0.81	0.84	0.88	0.92	0.95	0.98	1.04	1.08	1.13	1.19	1.25	1.30	1.34	1.39	1.44	1.50	1.54	1.57	1.60	
	30-39	0.88	0.99	1.09	1.20	1.28	1.36	1.43	1.49	1.53	1.58	1.64	1.68	1.71	1.73	1.74	1.76	1.77	1.80	1.83	1.82	1.83	1.83	1.86	1.87	1.90	1.90	1.93	1.97	2.02	
	40-49	1.76	1.93	2.11	2.30	2.43	2.54	2.60	2.68	2.84	2.93	2.97	3.02	3.10	3.24	3.30	3.40	3.45	3.45	3.49	3.57	3.61	3.70	3.76	3.78	3.78	3.77	3.76	3.73	3.72	
	50-59	4.04	4.45	4.78	5.00	5.24	5.44	5.60	5.70	5.84	5.93	6.03	6.13	6.13	6.15	6.16	6.15	6.20	6.32	6.44	6.53	6.59	6.65	6.77	6.86	6.91	6.97	6.99	7.03	7.03	
	60-69	8.23	9.05	9.70	10.20	10.67	11.08	11.29	11.44	11.60	11.78	11.76	11.70	11.76	11.74	11.69	11.77	11.73	11.69	11.70	11.78	11.80	11.75	11.72	11.67	11.65	11.63	11.64	11.73	11.73	
	70+	17.97	19.49	20.87	22.04	22.98	23.84	24.34	24.80	25.30	25.69	25.91	25.96	25.93	25.90	25.86	25.79	25.66	25.57	25.53	25.40	25.35	25.05	24.79	24.51	24.29	24.08	23.89	23.75	23.62	
Female	All	4.41	4.91	5.34	5.69	6.01	6.32	6.52	6.71	6.91	7.06	7.17	7.25	7.35	7.42	7.45	7.50	7.55	7.61	7.72	7.79	7.89	7.99	8.09	8.18	8.26	8.33	8.41	8.51	8.65	
	20-29	0.60	0.67	0.74	0.77	0.77	0.79	0.84	0.88	0.93	0.94	0.97	1.00	1.04	1.08	1.11	1.12	1.20	1.23	1.26	1.32	1.36	1.40	1.43	1.49	1.53	1.59	1.63	1.65	1.67	
	30-39	1.00	1.14	1.25	1.36	1.46	1.56	1.65	1.72	1.77	1.82	1.89	1.96	2.00	2.04	2.04	2.09	2.10	2.15	2.21	2.20	2.24	2.21	2.22	2.24	2.27	2.24	2.25	2.29	2.34	
	40-49	1.83	2.04	2.26	2.46	2.67	2.78	2.84	2.93	3.11	3.20	3.25	3.32	3.42	3.55	3.64	3.75	3.81	3.85	3.91	3.98	4.05	4.19	4.25	4.27	4.25	4.28	4.28	4.25	4.28	
	50-59	3.97	4.39	4.80	5.06	5.33	5.56	5.74	5.86	6.02	6.16	6.27	6.37	6.43	6.46	6.53	6.48	6.50	6.60	6.74	6.83	6.92	6.98	7.11	7.19	7.30	7.37	7.39	7.42	7.48	
	60-69	7.46	8.37	9.05	9.57	10.10	10.60	10.92	11.13	11.33	11.68	11.66	11.56	11.67	11.71	11.69	11.78	11.76	11.70	11.73	11.75	11.83	11.86	11.81	11.79	11.75	11.71	11.68	11.75	11.84	
	70+	17.13	18.70	20.08	21.22	22.22	23.15	23.66	24.14	24.66	25.00	25.26	25.39	25.51	25.57	25.55	25.52	25.45	25.36	25.37	25.21	25.16	24.82	24.55	24.28	24.05	23.84	23.63	23.51	23.44	
Male	All	5.02	5.40	5.71	5.99	6.15	6.29	6.35	6.38	6.42	6.43	6.38	6.31	6.22	6.12	6.02	5.95	5.89	5.87	5.88	5.90	5.92	5.96	6.02	6.05	6.10	6.14	6.20	6.24	6.29	
	20-29	0.35	0.38	0.42	0.45	0.49	0.51	0.54	0.58	0.62	0.63	0.63	0.67	0.73	0.76	0.80	0.85	0.90	0.96	1.03	1.09	1.16	1.22	1.26	1.31	1.37	1.43	1.47	1.50	1.54	
	30-39	0.67	0.75	0.84	0.94	0.99	1.04	1.10	1.12	1.15	1.20	1.25	1.25	1.27	1.26	1.29	1.27	1.29	1.33	1.34	1.34	1.40	1.46	1.49	1.54	1.58	1.62	1.67	1.73		
	40-49	1.66	1.75	1.84	2.00	2.03	2.13	2.19	2.28	2.38	2.50	2.50	2.55	2.60	2.75	2.78	2.84	2.89	2.83	2.84	2.93	2.93	2.93	2.99	3.01	3.08	3.02	3.01	3.00	2.96	
	50-59	4.16	4.55	4.75	4.90	5.08	5.22	5.36	5.44	5.53	5.54	5.63	5.71	5.63	5.63	5.56	5.61	5.71	5.87	5.96	6.06	6.14	6.23	6.35	6.32	6.36	6.36	6.33	6.32		
	60-69	9.34	10.05	10.66	11.15	11.55	11.83	11.86	11.94	12.04	11.96	11.91	11.94	11.93	11.78	11.70	11.75	11.68	11.67	11.64	11.61	11.71	11.71	11.66	11.61	11.54	11.54	11.54	11.55	11.46	
	70+	19.23	20.71	22.10	23.34	24.19	24.94	25.43	25.87	26.35	26.81	26.99	26.90	26.64	26.45	26.38	26.24	26.02	25.92	25.80	25.73	25.67	25.44	25.22	24.89	24.72	24.49	24.35	24.18	23.92	
		Rates of Stroke in Asthma Individuals (Per 100 Asthma Prevalence)																													
		1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023*	2024*	
Deprivation Quintile [†]																															
Q1 (least marginalized)		3.82	4.12	4.48	4.65	4.91	5.01	5.16	5.24	5.75	5.80	5.83	5.79	5.84	5.79	5.78	5.82	5.86	5.90	5.91	5.94	5.99	6.02	6.11	6.13	6.23	6.33	6.39	6.47	6.58	
Q2		4.18	4.69	5.03	5.41	5.65	5.91	6.15	6.27	6.30	6.37	6.36	6.40	6.43	6.38	6.35	6.32	6.32	6.46	6.48	6.48	6.55	6.64	6.72	6.69	6.73	6.80	6.88	6.96	7.07	
Q3		4.66	5.09	5.47	5.84	6.16	6.43	6.55	6.64	6.68	6.81	6.87	6.84	6.80	6.80	6.79	6.76	6.72	6.74	6.90	6.95	6.99	7.09	7.12	7.10	7.18	7.23	7.32	7.42	7.51	
Q4		4.97	5.41	5.86	6.21	6.41	6.79	6.96	7.12	7.08	7.18	7.22	7.28	7.38	7.17	7.13	7.10	7.12	7.16	7.45	7.49	7.59	7.68	7.75	7.74	7.80	7.86	7.88	7.96	8.06	
Q5 (most marginalized)		5.12	5.62	6.01	6.36	6.66	6.92	7.02	7.23	7.48	7.66	7.78	7.87	7.88	7.80	7.81	7.82	7.81	7.85	7.88	7.98	8.05	8.12	8.22	8.44	8.50	8.54	8.58	8.65	8.73	
Income Quintile																															
Q1 (lowest)		5.25	5.67	6.06	6.59	6.92	7.23	7.32	7.55	7.55	7.75	7.86	7.94	7.96	7.95	7.95	7.97	7.95	7.98	8.32	8.41	8.51	8.57	8.67	8.93	9.02	9.03	9.06	9.11	9.19	
Q2		4.83	5.35	5.75	6.24	6.47	6.86	7.01	7.15	7.03	7.09	7.16	7.13	7.18	7.16	7.11	7.12	7.08	7.07	7.42	7.43	7.45	7.51	7.55	7.65	7.71	7.75	7.79	7.87	7.97	
Q3		4.62	5.14	5.57	5.65	5.94	6.15	6.37	6.45	6.57	6.66	6.67	6.67	6.71	6.67	6.66	6.67	6.68	6.74	6.69	6.74	6.82	6.90	6.97	6.90	6.95	6.99	7.06	7.16	7.25	
Q4		4.20	4.61	5.01	5.19	5.45	5.64	5.82	5.93	6.22	6.28	6.31	6.32	6.33	6.44	6.41	6.37	6.36	6.36	6.16	6.17	6.22	6.29	6.35	6.30	6.36	6.47	6.55	6.64	6.72	
Q5 (highest)		4.19	4.55	4.87	5.14	5.35	5.50	5.62	5.73	6.04	6.12	6.13	6.17	6.18	6.12	6.11	6.10	6.14	6.19	5.89	5.94	6.02	6.09	6.19	6.19	6.28	6.38	6.49	6.57	6.71	
Rurality [‡]																															
Rural		5.86	6.28	6.63	7.07	7.35	7.57	7.73	7.84	8.02	8.09	8.07	8.08	8.10	7.97	7.93	7.89	7.84	7.85	7.94	7.97	7.95	8.04	8.13	8.27	8.24	8.27	8.31	8.34	8.40	
Urban		4.47	4.92	5.31	5.63	5.89	6.14	6.28	6.41	6.55	6.65	6.67	6.70	6.72	6.74	6.75	6.73	6.72	6.73	6.75	6.82	6.86	6.93	6.99	7.06	7.12	7.18	7.24	7.30	7.38	7.48
Local Health Integration Network																															
1. Erie St. Clair		5.21	5.64	6.13	6.44	6.86	7.19	7.37	7.59	7.75	7.84	7.99	8.13	8.20	8.35	8.33	8.25	8.17	8.11	8.08	7.97	7.99	8.00	7.97	7.97	7.96	7.93	7.94	7.95	7.99	
2. South West		4.89	5.34	5.70	5.96	6.27	6.52	6.65	6.65	6.80	6.91	6.95	6.98	7.01	6.97	6.95	6.92	6.91	6.92	6.94	7.07	7.14	7.27	7.36	7.41	7.44	7.53	7.61	7.74	7.84	
3. Waterloo Wellington		3.98	4.37	4.88	5.26	5.49	5.80	5.88	5.92	6.04	6.11	6.01	6.01	5.99	5.84	5.75	5.66	5.57	5.57	5.59	5.54	5.61	5.63	5.69	5.68	5.71	5.76	5.82	5.93	6.05	
4. Hamilton Niagara Haldimand Brant		5.14	5.75	6.20	6.68	7.02	7.27	7.38	7.48	7.55	7.61	7.63	7.64	7.57	7.48	7.36	7.28	7.18	7.17	7.15	7.14	7.18	7.20	7.23	7.25	7.27	7.26	7.26	7.33	7.43	
5. Central West		3.31	3.90	4.30	4.57	4.82	5.10	5.19	5.30	5.43	5.48	5.62	5.69	5.76	5.79	5.79	5.86	6.00	6.04	6.17	6.24	6.30	6.33	6.41	6.47	6.52	6.66	6.80	6.98	7.15	
6. Mississauga Halton		3.82	4.19	4.54	4.73	4.92	5.20	5.34	5.54	5.73	5.78	5.83	5.87	5.83	5.85	5.89	5.99	6.05	6.07	6.15	6.17	6.27	6.31	6.38	6.50	6.62	6.68	6.73	6.84	6.98	
7. Toronto Central		4.46	4.92	5.19	5.62	5.81	6.02	6.19	6.29	6.50	6.57	6.56	6.59	6.62	6.64	6.64	6.56	6.51	6.49	6.43	6.41	6.39	6.40	6.41	6.48	6.61	6.71	6.80	6.90	7.03	