

Rates of Chronic Obstructive Pulmonary Disease (COPD) in Asthma Individuals

		Rates of Chronic Obstructive Pulmonary Disease (COPD) 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*
All	All	31.15	31.16	30.93	30.74	30.31	30.08	29.80	29.55	29.33	29.05	28.78	28.57	28.46	28.31	28.21	28.08	27.96	27.78	27.65	27.44	27.21	26.94	26.55	26.16	25.09
	35-39	7.53	6.82	6.37	5.97	5.56	5.23	4.95	4.69	4.41	4.14	4.03	3.89	3.93	3.91	3.88	3.84	3.81	3.76	3.59	3.38	3.08	2.85	2.63	2.43	1.79
	40-49	16.05	16.47	16.51	16.51	16.14	15.93	15.43	15.07	14.74	14.22	13.79	13.53	13.37	13.25	13.17	12.91	12.68	12.31	11.92	11.52	11.10	10.72	10.26	9.83	8.96
	50-59	28.22	28.01	27.84	27.83	27.68	27.53	27.34	27.07	26.89	26.81	26.69	26.64	26.61	26.51	26.38	26.17	25.87	25.60	25.35	24.92	24.51	24.07	23.53	22.98	21.74
	60-69	44.91	45.20	45.01	44.63	44.16	43.74	43.26	42.67	42.19	41.56	41.06	40.14	39.37	38.85	38.42	38.06	37.66	37.17	36.89	36.74	36.54	36.39	36.05	35.65	34.52
70+	60.56	61.05	61.23	61.45	61.36	61.16	61.03	60.74	60.42	60.05	59.57	59.09	58.47	57.78	57.19	56.53	55.97	55.35	54.78	54.03	53.42	52.46	51.50	50.68	49.13	
Female	All	28.10	28.31	28.32	28.32	28.08	28.06	27.93	27.81	27.73	27.58	27.41	27.32	27.29	27.23	27.20	27.12	27.05	26.91	26.83	26.66	26.48	26.30	26.00	25.70	24.77
	35-39	7.37	6.61	6.13	5.79	5.36	5.06	4.78	4.56	4.34	4.01	3.95	3.78	3.80	3.78	3.78	3.80	3.77	3.71	3.53	3.36	3.07	2.88	2.69	2.44	1.79
	40-49	15.29	15.72	15.83	15.86	15.61	15.40	15.05	14.69	14.42	13.90	13.51	13.30	13.20	13.07	12.97	12.68	12.44	12.06	11.70	11.22	10.82	10.40	10.02	9.59	8.80
	50-59	25.93	25.80	25.89	25.90	25.88	26.02	25.83	25.71	25.66	25.65	25.54	25.61	25.64	25.68	25.61	25.42	25.15	24.86	24.64	24.27	23.90	23.45	22.88	22.34	21.12
	60-69	40.12	40.73	40.83	40.85	40.56	40.41	40.16	39.63	39.39	39.14	38.78	38.01	37.35	36.83	36.52	36.35	35.99	35.58	35.32	35.14	34.83	34.79	34.47	34.20	33.14
70+	54.92	55.63	56.02	56.43	56.45	56.49	56.51	56.45	56.20	56.02	55.68	55.40	54.89	54.38	53.91	53.32	52.87	52.39	51.95	51.28	50.80	49.89	49.01	48.18	46.72	
Male	All	36.09	35.83	35.20	34.71	34.00	33.42	32.90	32.43	31.97	31.47	31.04	30.63	30.38	30.10	29.88	29.65	29.45	29.20	28.98	28.71	28.38	27.97	27.42	26.87	25.57
	35-39	7.79	7.16	6.74	6.27	5.87	5.50	5.22	4.90	4.52	4.36	4.17	4.07	4.13	4.11	4.03	3.91	3.87	3.83	3.67	3.41	3.08	2.82	2.54	2.40	1.78
	40-49	17.40	17.81	17.72	17.64	17.04	16.82	16.07	15.70	15.25	14.73	14.24	13.90	13.65	13.54	13.49	13.26	13.05	12.70	12.27	11.98	11.55	11.22	10.65	10.19	9.21
	50-59	32.10	31.83	31.23	31.20	30.83	30.19	30.00	29.47	29.06	28.85	28.67	28.42	28.24	27.91	27.64	27.41	27.04	26.79	26.48	25.95	25.46	25.04	24.54	23.98	22.69
	60-69	51.76	51.69	51.24	50.38	49.71	48.93	48.16	47.52	46.74	45.51	44.82	43.70	42.77	42.26	41.65	40.98	40.53	39.90	39.59	39.47	39.41	39.06	38.65	38.02	36.76
70+	69.12	69.41	69.35	69.34	69.18	68.65	68.33	67.75	67.34	66.70	66.03	65.28	64.52	63.55	62.76	62.03	61.31	60.46	59.69	58.80	57.97	56.94	55.85	55.05	53.35	
		Rates of Chronic Obstructive Pulmonary Disease (COPD) 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*
Deprivation Quintile[†]																										
Q1 (least marginalized)		23.49	23.48	23.18	23.08	22.57	22.17	21.92	21.67	22.83	22.50	22.05	21.74	21.56	22.95	22.95	22.84	22.74	22.64	21.26	20.97	20.73	20.58	20.29	20.02	19.16
Q2		27.43	27.50	27.45	27.17	26.83	26.70	26.53	26.43	25.79	25.54	25.37	25.08	25.05	25.61	25.51	25.34	25.19	24.92	24.14	23.94	23.81	23.63	23.32	23.02	22.07
Q3		30.85	30.85	30.65	30.57	30.18	30.12	29.98	29.64	29.01	28.75	28.65	28.39	28.29	27.91	27.70	27.41	27.29	27.01	27.37	27.16	26.92	26.64	26.32	25.86	24.83
Q4		34.19	34.35	34.30	34.19	33.72	33.62	33.34	33.30	31.78	31.70	31.46	31.45	31.45	29.44	29.31	29.17	28.97	28.85	30.24	30.07	29.93	29.70	29.23	28.86	27.73
Q5 (most marginalized)		36.56	36.59	36.17	36.01	35.81	35.70	35.55	35.42	35.35	35.22	35.21	35.34	35.42	33.65	33.65	33.71	33.72	33.64	35.03	35.03	34.86	34.50	34.07	33.65	32.40
Income Quintile																										
Q1 (lowest)		36.62	36.62	36.23	36.36	36.11	36.08	35.95	35.93	34.92	34.81	34.72	34.89	35.01	35.04	35.09	35.16	35.07	34.94	35.37	35.24	35.07	34.68	34.28	33.82	32.49
Q2		33.84	34.08	33.75	33.36	33.01	32.73	32.45	32.24	31.42	31.17	30.98	30.70	30.60	30.39	30.33	30.16	30.08	30.03	30.37	30.15	29.92	29.65	29.18	28.69	27.56
Q3		30.66	30.73	30.63	29.92	29.41	29.17	28.87	28.63	28.46	28.11	27.83	27.59	27.45	27.22	27.11	27.01	26.88	26.74	26.37	26.15	25.93	25.72	25.33	24.93	23.91
Q4		27.60	27.52	27.40	26.91	26.63	26.42	26.14	25.76	26.42	26.17	25.83	25.51	25.32	25.14	24.96	24.70	24.65	24.49	23.88	23.69	23.39	23.20	22.90	22.65	21.71
Q5 (highest)		25.93	25.86	25.75	25.70	25.11	24.95	24.79	24.64	24.44	24.17	23.90	23.69	23.59	23.60	23.50	23.40	23.23	22.95	21.55	21.34	21.21	21.04	20.76	20.52	19.71
Rurality[‡]																										
Rural		38.70	38.67	38.61	38.81	38.26	37.89	37.58	37.25	37.17	36.82	36.45	36.16	35.93	35.80	35.56	35.15	34.85	34.54	34.89	34.45	33.98	33.59	32.89	32.20	30.85
Urban		29.97	30.00	29.73	29.59	29.18	28.96	28.69	28.45	28.27	28.01	27.77	27.57	27.48	27.35	27.27	27.18	27.08	26.93	26.83	26.65	26.44	26.19	25.83	25.47	24.42
Local Health Integration Network																										
1. Erie St. Clair		38.75	38.65	38.73	38.79	38.49	38.27	38.39	38.37	38.41	38.48	38.67	38.57	38.57	38.58	38.55	38.43	38.44	38.37	38.21	38.00	37.87	37.40	36.84	36.32	34.89
2. South West		36.72	36.84	36.32	36.16	35.86	35.79	35.53	35.42	34.98	34.69	34.41	33.83	33.57	33.23	33.00	32.63	32.40	32.26	31.89	31.52	31.12	30.60	29.83	29.21	27.91
3. Waterloo Wellington		29.84	29.98	29.81	29.44	28.83	28.68	28.23	27.84	27.59	27.00	26.36	26.11	25.86	25.58	25.27	25.19	25.02	24.67	24.48	24.14	23.92	23.58	23.28	22.83	21.77
4. Hamilton Niagara Haldimand Brant		35.04	35.37	35.22	35.06	34.81	34.55	34.38	34.15	33.95	33.66	33.28	33.10	33.05	32.95	32.88	32.59	32.36	32.15	31.92	31.65	31.27	30.79	30.26	29.69	28.38
5. Central West		22.65	22.61	22.38	22.14	21.82	21.55	21.18	21.03	20.83	20.50	20.25	19.91	19.70	19.69	19.70	19.73	19.62	19.77	19.93	19.86	19.80	19.74	19.76	19.59	18.97
6. Mississauga Halton		22.21	22.18	22.00	21.75	21.34	21.12	20.80	20.64	20.54	20.55	20.71	20.88	21.01	21.02	21.11	21.19	21.14	20.96	20.83	20.76	20.61	20.36	20.15	19.27	
7. Toronto Central		31.53	31.41	30.97	30.51	29.94	29.54	29.20	28.82	28.65	28.28	27.96	27.80	27.59	27.33	27.25	26.95	26.66	26.24	25.96	25.51	25.05	24.45	23.84	23.25	22.15
8. Central		26.74	26.74	26.52	26.36	25.83	25.53	25.01	24.60	24.26	23.98	23.74	23.51	23.36	23.24	23.25	23.16	23.12	22.97	22.99	23.01	23.04	23.21	23.12	23.05	22.18
9. Central East		29.88	29.92	29.56	29.41	28.93	28.89	28.66	28.56	28.29	28.11	27.91	27.79	27.81	27.67	27.61	27.60	27.62	27.48	27.49	27.35	27.20	26.99	26.64	26.28	25.21
10. South East		38.77	38.52	38.17	37.93	37.51	37.15	37.04	36.76	36.27	35.89	35.74	35.61	35.59	35.63	35.51	35.24	35.13	34.62	34.41	34.00	33.66	33.02	32.33	31.77	30.47
11. Champlain		30.47	30.48	30.29	30.10	29.68	29.35	29.09	28.77	28.66	28.32	28.11	27.90	27.74	27.63	27.55	27.48	27.38	27.24	27.08	26.79	26.43	26.13	25.72	25.20	24.16
12. North Simcoe Muskoka		35.43	35.85	35.97	35.79	35.11	34.52	34.37	34.05	34.08	33.90	33.50	33.02	32.77	32.45	32.25	31.79	31.46</								