

2016 AND 2020 PREVALENCE DATA FOR CHRONIC CHEMICAL INJURY, FIBROMYALGIA AND MYALGIC ENCEPHALOMYELITIS

Statistics Canada has provided Health Risk Navigation Inc. with the 2016 and 2020 Canadian prevalence data for the health conditions of Chronic Chemical Injury (CCI), Fibromyalgia (FM) and Myalgic Encephalomyelitis (ME). ElectroMagnetic Sensitivity (EMS) is not being monitored by Statistics Canada at this time. Consequently, the prevalence data for EMS has not been included. In a nut shell, in 2020, there were over 1,846,800 people, or over 4.9% of the population of Canada with at least one of these health conditions: 3.5% of the population with Chronic Chemical Injury; 1.8% of the population with Fibromyalgia; and 1.4% of the population with Myalgic Encephalomyelitis.

Some Qualifying Information Regarding The Prevalence Numbers:

1. The estimates are rounded to the nearest 100.
2. Due to rounding, the sum of values for each category may differ from the total.
3. Statistics Canada provided us with the estimate numbers and the percentage of the population for the years 2016 and 2020. Then from that data, we have calculated the change in the number of people with these health conditions over the four years.
4. In some instances, the data sample size was too small for the estimated number of people with the condition to be considered accurate. Therefore, Statistics Canada states that this information must be used with caution. We are denoting those estimates with a red (E).
5. In instances of the data sample size being far too small for the data to be reliable, Statistics Canada did not provide us with any estimate data. We are denoting that with the words “Unreliable Data”.

2016 and 2020 Prevalence of Chronic Chemical Injury (CCI) (called Chemical Injury in this chart)

Prevalence Of Chemical Injury (CI) also known as Chemical Intolerance (CI), Multiple Chemical Sensitivity (MCS)						
Location	2016		2020		Change In 4 Years	
	Estimate #	% of Pop.	Estimate #	% of Pop.	Estimate #	% of Change
Canada	1,008,400	3.3%	1,130,800	3.5%	+ 122,400	+ 12.1%
British Columbia	147,100	3.6%	163,400	3.7%	+ 16,300	+ 11.1%
Alberta	89,300	2.5%	87,700	2.4%	- 1,600	- 1.8%
Saskatchewan	28,000	3.1%	37,700	4.1%	+ 9,700	+ 34.6%
Manitoba	30,400	2.9%	38,300	3.5%	+ 7,900	+ 26.0%
Ontario	404,900	3.4%	419,000	3.3%	+ 14,100	+ 3.5%
Quebec	230,500	3.2%	251,000	3.4%	+ 20,500	+ 8.9%
New Brunswick	22,000	3.4%	41,300	6.2%	+ 19,300	+ 87.7%
Nova Scotia	35,000	4.3%	57,500	6.8%	+ 22,500	+ 64.3%
Prince Edward Island	(E) 4,200	3.3%	(E) 6,300	4.6%	+ 2,100	+ 50.0%
Newfoundland & Labrador	(E) 17,000	3.7%	(E) 28,500	6.2%	+ 11,500	+ 67.6%
No Estimates were given for: Yukon, North West Territories, and Nunavut.						
Source: Statistics Canada, Canadian Community Health Survey (CCHS), 2016 and 2020						

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2016 and 2020 Prevalence of Fibromyalgia (FM)

Prevalence Of Fibromyalgia (FM)						
Location	2016		2020		Change In 4 Years	
	Estimate #	% of Pop.	Estimate #	% of Pop.	Estimate #	% of Change
Canada	522,000	1.7%	575,500	1.8%	+ 53,500	+ 10.2%
British Columbia	63,800	1.6%	(E) 85,500	1.9%	+ 21,700	+ 34.0%
Alberta	52,200	1.5%	64,300	1.8%	+ 12,100	+ 23.2%
Saskatchewan	(E) 10,800	1.2%	(E) 16,900	1.8%	+ 6,100	+ 56.5%
Manitoba	(E) 16,500	1.6%	(E) 14,900	1.4%	- 1,600	- 9.7%
Ontario	232,200	1.9%	252,300	2.0%	+ 20,100	+ 8.7%
Quebec	107,100	1.5%	89,100	1.2%	- 18,000	- 16.8%
New Brunswick	(E) 12,000	1.9%	(E) 16,200	2.4%	+ 4,200	+ 35.0%
Nova Scotia	(E) 15,600	1.9%	(E) 27,800	3.3%	+ 12,200	+ 78.2%
Prince Edward Island	(E) 2,300	1.8%	(E) 2,300	1.7%	No Change	0 %
Newfoundland & Labrador	(E) 9,600	2.1%	(E) 6,300	1.4%	- 3,300	- 34.4%
No Estimates were given for: Yukon, North West Territories, and Nunavut.						
Source: Statistics Canada, Canadian Community Health Survey (CCHS), 2016 and 2020						

2016 and 2020 Prevalence of Myalgic Encephalomyelitis (ME)

Prevalence Of Myalgic Encephalomyelitis (ME) also known as Chronic Fatigue Syndrome (CFS)						
Location	2016		2020		Change In 4 Years	
	Estimate #	% of Pop.	Estimate #	% of Pop.	Estimate #	% of Change
Canada	581,600	1.9%	462,500	1.4%	- 119,100	- 20.5%
British Columbia	75,500	1.9%	(E) 63,900	1.4%	- 11,600	- 15.4%
Alberta	60,600	1.7%	(E) 44,000	1.2%	- 16,600	- 27.4%
Saskatchewan	(E) 18,900	2.1%	(E) 10,300	1.1%	- 8,600	- 45.5%
Manitoba	(E) 10,700	1.0%	(E) 17,300	1.6%	+ 6,600	+ 61.6%
Ontario	242,200	2.0%	154,900	1.2%	- 87,300	- 36.0%
Quebec	134,300	1.9%	129,600	1.8%	- 4,700	- 3.5%
New Brunswick	(E) 12,900	2.0%	(E) 14,800	2.2%	+ 1,900	+ 14.7%
Nova Scotia	(E) 15,700	1.9%	(E) 20,900	2.5%	+ 5,200	+ 33.1%
Prince Edward Island	(E) 3,000	2.4%	Unreliable Data			
Newfoundland & Labrador	(E) 7,600	1.7%	Unreliable Data			
No Estimates were given for: Yukon, North West Territories, and Nunavut.						
Source: Statistics Canada, Canadian Community Health Survey (CCHS), 2016 and 2020						