

**Suicide (ICD-9 E950-E959), age-standardized rate per 100,000 population and confidence interval, by sex, Canada, provinces, territories, health regions and peer groups, 1997**

Suicide	Both sexes			Males			Females		
	Rate per 100,000	95% confidence interval		Rate per 100,000	95% confidence interval		Rate per 100,000	95% confidence interval	
		Low	High		Low	High		Low	High
00 Canada	12.4	12.2	12.6	20.0	19.6	20.4	5.1	4.9	5.3
10 Newfoundland and Labrador	7.1	5.8	8.3	12.1	9.7	14.5	2.1	1.1	3.0
1001-A HCS St. John's Region, NL	6.9	4.7	9.1	11.6	7.4	15.7	2.5	0.8	4.3
1002-I HCS Eastern Region, NL	6.8	4.1	9.5	12.1	7.0	17.1	F	F	F
1003-I HCS Central Region, NL	3.7	1.7	5.8	6.4	2.6	10.2	F	F	F
1004-I HCS Western Region, NL	6.6	3.5	9.7	11.3	5.5	17.1	F	F	F
1005-I Grenfell Regional Health Services Board, NL	9.9	1.1	18.7	14.6	0.1	29.1	F	F	F
1006-H Health Labrador Corporation, NL	22.8	11.9	33.7	40.8	20.9	60.6	F	F	F
11 Prince Edward Island	8.7	5.8	11.6	15.3	9.8	20.7	2.4	0.3	4.5
1101-I West Prince, PE	13.0	2.4	23.6	26.7	5.0	48.3	0.0	0.0	0.0
1102-C East Prince, PE	4.8	0.6	9.0	9.4	1.1	17.6	0.0	0.0	0.0
1103-A Queens, PE	10.3	5.7	14.8	16.0	7.8	24.1	4.8	0.5	9.1
1104-D Kings, PE	7.2	0.8	13.6	14.5	1.8	27.2	0.0	0.0	0.0
12 Nova Scotia	11.1	9.8	12.3	19.5	17.2	21.8	3.1	2.1	4.0
1201-C Zone 1, NS	12.6	9.0	16.3	21.8	15.1	28.6	3.6	0.6	6.5
1202-C Zone 2, NS	13.3	8.7	17.9	19.9	12.0	27.7	7.4	2.5	12.4
1203-C Zone 3, NS	9.4	6.1	12.7	17.0	10.7	23.2	F	F	F
1204-C Zone 4, NS	11.4	7.4	15.3	22.3	14.5	30.0	F	F	F
1205-I Zone 5, NS	12.5	8.9	16.0	22.3	15.5	29.1	3.2	0.6	5.7
1206-A Zone 6, NS	10.1	8.3	12.0	17.9	14.4	21.4	2.9	1.5	4.2
13 New Brunswick	12.7	11.2	14.2	21.9	19.2	24.7	3.7	2.6	4.8
1301-C Region 1, NB	11.4	8.6	14.2	19.8	14.6	25.1	3.0	1.0	5.0
1302-C Region 2, NB	10.0	7.2	12.7	16.5	11.5	21.5	3.6	1.3	5.9
1303-C Region 3, NB	12.8	9.6	16.0	21.5	15.6	27.5	4.7	2.0	7.4
1304-C Region 4, NB	17.2	11.0	23.5	25.6	14.7	36.5	8.7	2.6	14.8
1305-I Region 5, NB	13.7	6.1	21.2	25.5	10.8	40.2	F	F	F
1306-I Region 6, NB	16.2	11.4	20.9	30.7	21.5	39.9	F	F	F
1307-I Region 7, NB	15.3	8.8	21.8	27.1	15.0	39.1	F	F	F
24 Québec	18.7	18.2	19.3	29.8	28.8	30.8	8.0	7.4	8.5
2401-C Région du Bas-Saint-Laurent, QC	23.7	19.8	27.6	37.7	30.8	44.6	10.0	6.4	13.6
2402-C Région du Saguenay - Lac-Saint-Jean, QC	19.7	16.7	22.7	29.5	24.3	34.7	9.6	6.7	12.5
2403-A Région de Québec, QC	23.0	20.8	25.1	35.7	32.0	39.5	10.5	8.5	12.4
2404-C Région de la Mauricie et du Centre-du-Québec, QC	24.1	21.5	26.7	38.7	34.0	43.3	9.5	7.2	11.8
2405-C Région de l'Estrie, QC	20.7	17.7	23.8	32.0	26.6	37.4	9.5	6.6	12.3
2406-G Région de Montréal-Centre, QC	14.2	13.2	15.2	22.1	20.4	23.9	6.7	5.7	7.6
2407-A Région de l'Outaouais, QC	19.7	16.8	22.5	31.4	26.3	36.6	8.3	5.7	10.9
2408-C Région de l'Abitibi-Témiscamingue, QC	28.4	23.5	33.2	45.9	37.1	54.6	10.1	6.0	14.2
2409-H Région de la Côte-Nord, QC	24.4	18.9	30.0	42.3	31.9	52.6	5.7	1.9	9.4
2410-H Région du Nord-du-Québec, QC	23.2	10.9	35.6	41.5	18.6	64.4	F	F	F
2411-I Région de la Gaspésie - Îles-de-la-Madeleine, QC	19.3	14.4	24.3	34.0	24.6	43.4	4.6	1.3	7.8
2412-E Région de la Chaudière-Appalaches, QC	26.6	23.6	29.6	41.4	36.1	46.7	12.0	9.1	14.9
2413-A Région de Laval, QC	16.2	13.7	18.7	25.3	20.8	29.7	7.8	5.3	10.3
2414-E Région de Lanaudière, QC	19.5	16.9	22.2	30.7	25.9	35.5	8.6	6.1	11.0
2415-E Région des Laurentides, QC	18.8	16.4	21.2	31.1	26.7	35.4	6.7	4.8	8.7
2416-A Région de la Montérégie, QC	15.4	14.2	16.7	25.5	23.1	27.8	5.9	4.8	7.0
2417-F Région du Nunavik, QC	105.4	67.1	143.7	172.6	104.5	240.8	31.2	3.3	59.0
2418-F Région des Terres-Cries-de-la-Baie-James, QC	F	F	F	F	F	F	0.0	0.0	0.0
35 Ontario by District Health Council (DHC)	8.6	8.3	8.9	13.8	13.2	14.4	3.8	3.5	4.1
3501 Champlain DHC, ON	9.9	8.8	11.0	15.8	13.8	17.8	4.5	3.4	5.5
3502 Southeastern Ontario DHC, ON	8.1	6.7	9.5	12.4	9.9	14.9	3.9	2.6	5.3
3503 Durham-Haliburton-Kawartha and Pine Ridge DHC, ON	7.2	6.1	8.3	12.0	9.9	14.0	2.6	1.7	3.5
3504 Toronto DHC, ON	8.0	7.4	8.6	12.1	10.9	13.2	4.3	3.7	4.9
3505 Simcoe York DHC, ON	6.8	5.9	7.8	11.1	9.3	12.9	2.8	2.0	3.6

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	Rate per 100,000	95% confidence interval		Rate per 100,000	95% confidence interval		Rate per 100,000	95% confidence interval	
		Low	High		Low	High		Low	High
3506 Halton-Peel DHC, ON	6.2	5.3	7.0	9.8	8.2	11.3	3.0	2.2	3.7
3507 Waterloo Region-Wellington-Dufferin DHC, ON	7.7	6.5	9.0	13.1	10.8	15.3	2.6	1.6	3.7
3508 Hamilton DHC, ON	6.4	5.2	7.7	10.6	8.2	13.0	2.8	1.6	4.0
3509 Niagara DHC, ON	8.7	7.1	10.3	13.6	10.7	16.6	4.6	3.0	6.3
3510 Grand River DHC, ON	9.9	7.5	12.4	18.7	14.0	23.5	1.5	0.2	2.9
3511 Thames Valley DHC, ON	9.9	8.4	11.4	15.2	12.5	17.8	5.0	3.5	6.4
3512 Essex-Kent and Lambton DHC, ON	10.7	9.2	12.2	17.9	15.2	20.7	3.8	2.6	5.0
3513 Grey Bruce Huron Perth DHC, ON	7.7	5.8	9.6	13.8	10.2	17.4	1.8	0.5	3.0
3514 Northern Shores DHC, ON	12.8	10.0	15.5	21.5	16.3	26.6	4.6	2.4	6.9
3515 Algoma-Cochrane-Manitoulin and Sudbury DHC, ON	13.6	11.6	15.6	22.5	18.9	26.2	4.9	3.2	6.6
3516 Northwestern Ontario DHC, ON	19.1	16.0	22.3	29.1	23.6	34.6	9.2	6.0	12.3
35 Ontario by Health Unit (HU)	8.6	8.3	8.9	13.8	13.2	14.4	3.8	3.5	4.1
3526-C District of Algoma HU, ON	10.0	6.9	13.2	15.6	9.9	21.2	4.9	1.8	8.0
3527-A Brant County HU, ON	11.8	8.2	15.4	22.7	15.7	29.8	F	F	F
3530-B Durham Regional HU, ON	6.6	5.2	8.0	11.3	8.7	13.8	2.2	1.1	3.3
3531-E Elgin-St Thomas HU, ON	9.5	5.4	13.5	17.1	9.5	24.7	F	F	F
3533-E Grey Bruce HU, ON	10.5	7.5	13.6	19.0	13.0	24.9	2.5	0.6	4.3
3534-E Haldimand-Norfolk HU, ON	7.7	4.5	10.9	14.1	7.9	20.2	F	F	F
3535-E Haliburton, Kawartha, Pine Ridge District HU, ON	9.1	6.4	11.9	15.0	10.0	20.0	3.6	1.2	5.9
3536-B Halton Regional HU, ON	7.0	5.4	8.6	11.2	8.1	14.3	3.5	2.0	5.0
3537-A City of Hamilton HU, ON	6.4	5.2	7.7	10.6	8.2	13.0	2.8	1.6	4.0
3538-A Hastings and Prince Edward Counties HU, ON	7.6	5.1	10.2	12.7	8.0	17.5	2.5	0.6	4.5
3539-E Huron County HU, ON	2.8	0.3	5.4	5.9	0.8	11.0	0.0	0.0	0.0
3540-A Chatham-Kent HU, ON	8.7	5.6	11.9	16.1	10.0	22.2	F	F	F
3541-A Kingston, Frontenac and Lennox and Addington HU, ON	7.3	5.1	9.5	9.4	5.8	13.0	5.1	2.5	7.7
3542-A Lambton HU, ON	10.4	7.1	13.7	18.4	12.1	24.7	2.7	0.5	4.9
3543-E Leeds, Grenville and Lanark District HU, ON	9.5	6.9	12.2	15.5	10.6	20.3	4.0	1.5	6.4
3544-A Middlesex-London HU, ON	10.3	8.5	12.1	15.1	11.9	18.2	5.9	4.1	7.8
3545-E Muskoka-Parry Sound HU, ON	13.4	8.7	18.0	20.2	12.0	28.5	6.4	2.1	10.6
3546-A Niagara Regional Area HU, ON	8.7	7.1	10.3	13.6	10.7	16.6	4.6	3.0	6.3
3547-C North Bay and District HU, ON	12.2	8.2	16.2	21.7	13.9	29.5	4.0	0.8	7.2
3549-H Northwestern HU, ON	23.9	17.8	30.0	36.5	25.8	47.1	11.1	5.2	16.9
3551-B City of Ottawa HU, ON	9.4	8.1	10.7	14.4	12.1	16.6	4.7	3.5	6.0
3552-E Oxford County HU, ON	8.5	5.1	11.8	13.7	7.7	19.8	3.6	0.4	6.9
3553-B Peel Regional HU, ON	5.7	4.8	6.6	9.0	7.3	10.7	2.7	1.8	3.6
3554-E Perth District HU, ON	5.8	2.6	9.0	10.5	4.6	16.5	F	F	F
3555-A Peterborough County-City HU, ON	6.8	4.2	9.5	11.0	6.1	15.8	2.9	0.5	5.3
3556-H Porcupine HU, ON	14.7	10.4	19.1	24.1	16.1	32.1	5.8	2.0	9.6
3557-E Renfrew County and District HU, ON	6.6	3.7	9.5	9.7	4.8	14.7	3.9	0.8	7.1
3558-E Eastern Ontario HU, ON	13.7	10.6	16.8	24.0	18.1	29.9	4.0	1.6	6.4
3560-E Simcoe County District HU, ON	9.8	7.9	11.7	16.2	12.7	19.7	3.6	2.0	5.2
3561-C Sudbury and District HU, ON	15.3	12.2	18.3	26.2	20.5	31.8	4.6	2.2	7.0
3562-C Thunder Bay District HU, ON	16.7	13.1	20.4	25.6	19.3	32.0	7.9	4.2	11.6
3563-C Timiskaming HU, ON	14.2	7.2	21.3	26.3	12.5	40.1	F	F	F
3565-B Waterloo HU, ON	8.8	7.2	10.5	14.9	11.9	18.0	2.9	1.6	4.2
3566-B Wellington-Dufferin-Guelph HU, ON	5.7	3.9	7.5	9.5	6.2	12.8	2.1	0.5	3.7
3568-B Windsor-Essex County HU, ON	11.5	9.5	13.5	18.4	14.8	22.0	4.8	3.0	6.6
3570-B York Regional HU, ON	5.4	4.3	6.4	8.5	6.5	10.5	2.5	1.4	3.5
3595-G City of Toronto HU, ON	8.0	7.4	8.6	12.1	10.9	13.2	4.3	3.7	4.9
46 Manitoba	11.7	10.6	12.9	19.0	16.8	21.1	4.7	3.6	5.8
4610-A Winnipeg RHA, MB	10.4	9.0	11.9	16.0	13.5	18.6	5.2	3.7	6.6
4615-A Brandon RHA, MB	15.0	8.4	21.7	27.2	14.5	40.0	F	F	F
4620-E North Eastman RHA, MB	22.7	13.5	31.9	39.1	22.2	56.0	F	F	F
4625-E South Eastman RHA, MB	7.6	3.1	12.2	13.0	4.9	21.2	F	F	F

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4630-E Interlake RHA, MB	11.7	7.1	16.2	19.8	11.3	28.2	3.2	0.1	6.3
4640-D Central RHA, MB	7.7	4.4	11.0	13.3	7.3	19.4	F	F	F
4645-D Assiniboine RHA, MB	13.4	8.2	18.5	21.7	12.7	30.6	F	F	F
4660-D Parkland RHA, MB	23.2	14.0	32.3	37.9	21.7	54.1	F	F	F
4670-H Norman RHA, MB	15.0	6.1	23.8	28.0	10.2	45.8	F	F	F
4685-F Burntwood/Churchill, MB	12.4	6.9	17.9	17.7	8.6	26.8	6.7	0.7	12.7
47 Saskatchewan	13.4	12.0	14.7	22.3	19.8	24.7	4.6	3.5	5.7
4701-D Sun Country RHA, SK	13.9	8.4	19.4	24.0	14.0	33.9	F	F	F
4702-D Five Hills RHA, SK	9.8	4.9	14.7	17.9	8.5	27.3	F	F	F
4703-D Cypress RHA, SK	8.8	3.8	13.8	15.7	6.6	24.8	F	F	F
4704-A Regina Qu'Appelle RHA, SK	14.2	11.4	17.0	22.3	17.3	27.3	6.1	3.6	8.7
4705-D Sunrise RHA, SK	9.4	5.2	13.6	16.3	8.5	24.1	F	F	F
4706-A Saskatoon RHA, SK	10.4	8.2	12.6	16.9	12.8	20.9	4.2	2.2	6.1
4707-D Heartland RHA, SK	10.9	5.4	16.4	20.0	9.8	30.2	F	F	F
4708-D Kelsey Trail RHA, SK	16.6	9.5	23.6	29.1	16.1	42.2	F	F	F
4709-C Prince Albert Parkland RHA, SK	18.1	12.3	23.9	29.5	18.9	40.2	6.6	2.0	11.2
4710-H Prairie North RHA, SK	14.5	8.9	20.1	23.9	13.9	33.8	4.6	0.1	9.1
4714-F Mamawetan/Keewatin/Athabasca, SK	27.0	16.1	38.0	48.2	27.5	68.9	F	F	F
48 Alberta	14.9	14.1	15.7	23.3	21.8	24.7	6.6	5.8	7.3
4820-E Chinook RHA, AB	14.5	10.8	18.1	22.9	16.4	29.3	5.8	2.6	9.0
4821-E Palliser HR, AB	12.1	7.9	16.2	16.8	9.9	23.8	7.1	2.6	11.5
4822-B Calgary HR, AB	13.3	12.0	14.7	21.7	19.2	24.2	5.2	4.0	6.3
4823-E David Thompson RHA, AB	16.9	14.1	19.8	27.4	22.3	32.5	6.3	3.8	8.7
4824-E East Central Health, AB	18.3	13.6	23.0	30.3	22.0	38.7	6.4	2.1	10.7
4825-B Capital Health, AB	15.3	13.9	16.8	22.1	19.5	24.6	8.8	7.2	10.3
4826-E Aspen RHA, AB	17.5	13.8	21.2	28.2	21.6	34.7	6.0	2.8	9.2
4827-E Peace Country Health, AB	13.6	9.7	17.6	22.6	15.6	29.6	3.6	0.7	6.6
4828-H Northern Lights HR, AB	19.5	12.0	26.9	31.7	18.4	45.1	5.6	0.7	10.6
59 British Columbia	9.9	9.4	10.5	16.3	15.2	17.3	3.8	3.3	4.3
5911-E East Kootenay HSDA, BC	13.1	8.4	17.9	25.9	16.5	35.2	0.0	0.0	0.0
5912-C Kootenay-Boundary HSDA, BC	13.0	8.5	17.5	21.5	13.3	29.8	4.9	1.3	8.6
5913-A Okanagan HSDA, BC	11.9	9.6	14.2	19.3	15.1	23.5	4.8	2.7	6.8
5914-C Thompson/Cariboo HSDA, BC	17.6	14.3	20.9	28.9	22.9	35.0	6.0	3.4	8.7
5921-A Fraser East HSDA, BC	11.6	9.1	14.2	18.2	13.7	22.7	5.1	2.7	7.5
5922-B Fraser North HSDA, BC	7.9	6.5	9.3	13.5	10.9	16.2	2.7	1.6	3.9
5923-B Fraser South HSDA, BC	7.2	5.9	8.5	11.8	9.4	14.2	2.8	1.7	4.0
5931-B Richmond HSDA, BC	5.9	3.7	8.0	9.0	5.1	12.9	3.0	0.9	5.1
5932-G Vancouver HSDA, BC	8.4	7.1	9.7	14.1	11.6	16.5	3.0	1.9	4.1
5933-B North Shore/Coast Garibaldi HSDA, BC	6.2	4.4	8.0	10.0	6.7	13.2	2.7	1.1	4.3
5941-A South Vancouver Island HSDA, BC	10.5	8.5	12.5	16.2	12.7	19.7	5.3	3.4	7.2
5942-A Central Vancouver Island HSDA, BC	12.8	10.1	15.5	19.0	14.3	23.6	6.9	4.1	9.7
5943-C North Vancouver Island HSDA, BC	18.2	13.6	22.8	31.1	22.7	39.5	4.9	1.4	8.4
5951-H Northwest HSDA, BC	13.0	8.5	17.5	20.4	12.4	28.4	4.8	1.2	8.4
5952-H Northern Interior HSDA, BC	11.2	8.1	14.4	19.5	13.7	25.4	2.3	0.2	4.5
5953-H Northeast HSDA, BC	7.7	3.4	12.0	11.6	4.2	19.0	F	F	F
60 Yukon	23.6	9.1	38.0	39.4	13.7	65.1	F	F	F
6001-H Yukon	23.6	9.1	38.0	39.4	13.7	65.1	F	F	F
61 Northwest Territories	15.6	8.1	23.1	27.1	13.3	40.8	F	F	F
6101-H Northwest Territories	15.6	8.1	23.1	27.1	13.3	40.8	F	F	F
62 Nunavut	86.4	60.6	112.2	135.8	92.3	179.3	28.8	12.8	44.9
6201-F Nunavut	86.4	60.6	112.2	135.8	92.3	179.3	28.8	12.8	44.9
A Peer group A	12.7	12.2	13.2	20.3	19.5	21.1	5.5	5.1	5.9
B Peer group B	9.0	8.6	9.4	14.3	13.6	15.0	4.0	3.7	4.4
C Peer group C	17.3	16.5	18.1	28.1	26.7	29.6	6.6	6.0	7.3
D Peer group D	11.8	10.1	13.5	20.4	17.3	23.5	3.1	1.8	4.4
E Peer group E	14.9	14.2	15.6	24.3	23.1	25.6	5.6	5.0	6.2
F Peer group F	36.4	30.2	42.7	59.5	48.1	70.9	11.9	7.3	16.6
G Peer group G	10.3	9.8	10.8	16.0	15.1	16.9	5.0	4.5	5.5
H Peer group H	16.4	14.8	18.0	27.5	24.5	30.4	4.7	3.6	5.9
I Peer group I	11.1	9.7	12.5	20.0	17.4	22.6	2.4	1.5	3.3

## Suicide (ICD-9 E950-E959), age-standardized rate per 100,000 population and confidence interval, by sex, Canada, provinces, territories, health regions and peer groups, 1997

1. Data sources: Statistics Canada, Vital Statistics, Death Database and Demography Division (population estimates)
2. World Health Organization, International Classification of Diseases, 9th Revision (ICD-9)
3. Counts in this table are based on three consecutive years of death data, summed and divided by three. Rates are based on these counts divided by the population estimate of the middle year. The reference period associated with these data reflects the middle year. The reference period associated with these data reflects the mid-point of the three-year period.
4. Rates are age-standardized using the direct method, and the 1991 Canadian Census population structure. All rates are per 100,000 population. The use of a standard population results in more meaningful mortality rate comparisons because it adjusts for variations in population age distributions over time and across geographic areas.
5. Confidence intervals for crude counts and rates for selected causes of death data were produced using the Fleiss method. Source: Fleiss J.L. *Statistical Methods for Rates and Proportions*, Second Edition. New York; Wiley and Sons, 1981.
6. Confidence intervals for age-standardized rates were produced using the Spiegelman method. Source: Spiegelman M. "Introduction to Demography", Revised Edition. Cambridge, Massachusetts: Harvard University Press, 1968, page 113, formula 4.29.
7. The 95% confidence interval (CI) illustrates the degree of variability associated with a number or a rate. Wide confidence intervals indicate high variability, thus, these numbers or rates should be interpreted and compared with due caution.
8. Some age-standardized rates were suppressed (F) due to both a very small underlying count plus extremely high variability.
9. "Health regions" are defined by the provincial ministries of health. These are legislated administrative areas in all provinces except Nova Scotia. In Nova Scotia, the Ministry of Health uses statistical "zones" rather than its legislated administrative areas; the zones are aggregations of the nine district health authorities.
10. For complete Canadian coverage, each of the northern territories also represents a health region.
11. The health regions presented in this table are based on boundaries and names in effect as of June 2003.
12. A "peer group" is a grouping of health regions that have similar social and economic characteristics. The nine peer groups are identified by the letters A through I, which are appended to the health region 4-digit code.
13. In Ontario, Public health units (PHU) administer health promotion and disease prevention programs, and District health councils (DHC) are advisory, health planning organizations.
14. In Manitoba, Saskatchewan and Alberta, health regions are referred to as Health Authorities (HA) or Regional Health Authorities (RHA).
15. The following symbols are used in Statistics Canada publications: (..) for figures not available, (...) for figures not appropriate or not applicable, and (x) for figures suppressed for the confidentiality provisions of the Statistics Act.
16. CANSIM table number 01020203.



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