

Table 1.11:

All other circulatory disease deaths (ICD-9 390-409, 415-429, 439-459), age-standardized rate per 100,000 population and confidence interval, by sex, Canada, provinces, territories and health regions, 1996

Code Health Region Name	Total		Male		Female	
	Rate per 100,000	95% confidence interval	Rate per 100,000	95% confidence interval	Rate per 100,000	95% confidence interval
0 Canada	61.0	60.5, 61.5	74.8	73.9, 75.7	51.1	50.6, 51.7
10 Newfoundland	81.5	77.0, 85.9	97.8	90.1, 105.5	67.9	62.7, 73.1
1001 Health and Community Services St John's Region	72.5	65.4, 79.6	89.2	76.2, 102.2	59.2	51.0, 67.4
1002 Health and Community Services Eastern Region	89.0	79.5, 98.5	108.3	91.2, 125.3	74.7	63.6, 85.9
1003 Health and Community Services Central Region	76.2	67.1, 85.4	89.9	74.8, 104.9	63.0	52.0, 74.1
1004 Health and Community Services Western Region	94.7	82.7, 106.7	107.4	87.1, 127.6	83.2	68.5, 97.8
1005 Grenfell Regional Health Services Board	107.3	74.0, 140.7	130.2	76.1, 184.3	83.7	44.0, 123.4
1006 Health Labrador Corporation	93.4	51.7, 135.2	113.7	47.2, 180.3	82.4	23.4, 141.4
11 Prince Edward Island	65.9	58.9, 73.0	89.9	76.5, 103.3	50.2	42.4, 57.9
1101 Urban Health Region	75.3	64.4, 86.2	95.6	75.1, 116.1	62.4	50.0, 74.8
1102 Rural Health Region	57.9	48.8, 67.0	85.4	67.7, 103.0	39.4	29.7, 49.0
12 Nova Scotia	74.8	71.9, 77.7	94.2	88.8, 99.6	62.1	58.7, 65.4
1201 Zone 1	84.7	77.1, 92.2	113.1	99.1, 127.2	64.3	55.9, 72.7
1202 Zone 2	61.6	53.2, 70.0	76.8	61.5, 92.0	50.6	40.9, 60.3
1203 Zone 3	72.3	64.2, 80.3	90.8	76.3, 105.3	60.0	50.4, 69.6
1204 Zone 4	73.3	65.2, 81.5	91.5	76.7, 106.3	58.7	49.6, 67.8
1205 Zone 5	78.0	70.6, 85.4	109.6	94.4, 124.8	61.3	53.0, 69.6
1206 Zone 6	74.2	69.0, 79.3	85.6	76.1, 95.1	66.9	60.7, 73.0
13 New Brunswick	80.5	77.1, 84.0	103.8	97.5, 110.0	63.1	59.2, 66.9
1301 Region 1	84.9	78.0, 91.8	117.4	104.4, 130.4	59.4	52.2, 66.7
1302 Region 2	75.9	69.2, 82.5	96.3	83.8, 108.9	62.3	54.6, 70.0
1303 Region 3	85.0	77.2, 92.8	113.5	99.1, 127.9	64.2	55.5, 73.0
1304 Region 4	93.3	79.3, 107.3	98.5	75.0, 122.0	86.2	69.3, 103.0
1305 Region 5	82.1	65.7, 98.5	76.1	50.8, 101.4	81.0	60.6, 101.4
1306 Region 6	76.1	66.0, 86.1	94.6	76.8, 112.3	63.8	51.7, 75.8
1307 Region 7	63.2	51.2, 75.1	86.1	64.2, 108.0	45.2	32.0, 58.3
24 Quebec	60.5	59.5, 61.5	76.1	74.1, 78.0	50.3	49.1, 51.4
2401 Région du Bas-Saint-Laurent	64.8	59.1, 70.5	79.9	69.7, 90.0	54.3	47.6, 60.9
2402 Région du Saguenay - Lac-Saint-Jean	61.7	55.9, 67.4	72.6	62.3, 82.9	53.8	46.9, 60.6
2403 Région de Québec	63.3	60.0, 66.6	86.7	79.5, 93.9	51.5	47.8, 55.2
2404 Région de la Mauricie et Centre-du-Québec	61.5	57.8, 65.2	70.8	64.2, 77.4	53.5	49.3, 57.8
2405 Région de l'Estrie	59.8	55.0, 64.6	78.1	69.1, 87.2	47.6	42.2, 53.0
2406 Région de Montréal-Centre	55.9	54.2, 57.7	70.2	66.9, 73.6	46.9	44.9, 48.9
2407 Région de l'Outaouais	76.0	69.5, 82.5	102.1	89.1, 115.0	60.9	53.6, 68.2
2408 Région de l'Abitibi-Témiscamingue	66.9	58.5, 75.4	83.1	68.5, 97.8	53.2	43.4, 63.1
2409 Région de la Côte-Nord	68.0	55.8, 80.3	98.0	74.4, 121.6	46.3	33.2, 59.4
2410 Région du Nord-du-Québec	44.2	10.2, 78.3	--	--	33.7	0.2, 67.2
2411 Région de la Gaspésie-Îles-de-la-Madeleine	74.6	65.9, 83.3	81.7	67.7, 95.7	66.4	55.8, 77.1
2412 Région de la Chaudière-Appalaches	66.6	62.0, 71.1	78.9	70.6, 87.2	58.1	52.7, 63.5
2413 Région de Laval	52.5	47.8, 57.2	65.7	56.5, 74.8	43.9	38.5, 49.2

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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
2414 Région de Lanaudière	65.1	59.7, 70.5	84.8	74.4, 95.2	51.6	45.5, 57.7
2415 Région des Laurentides	57.3	52.7, 61.8	71.3	63.0, 79.7	47.0	41.7, 52.3
2416 Région de la Montérégie	61.0	58.4, 63.6	77.8	72.8, 82.9	50.3	47.3, 53.3
2417 Région du Nunavik	168.2	63.2, 273.2	236.5	26.6, 446.4	114.3	13.8, 214.8
2418 Région des Terres-Cries-de-la-Baie-James	70.1	6.5, 133.7	--	--	197.0	0.1, 393.9
35 Ontario	54.1	53.3, 54.8	65.4	64.0, 66.8	45.8	45.0, 46.7
3501 Champlain District Health Council	55.2	52.7, 57.7	64.3	59.7, 69.0	48.4	45.4, 51.3
3502 Quinte-Kingston and Rideau DHC	54.4	51.2, 57.7	67.8	61.8, 73.7	44.2	40.5, 48.0
3503 Durham-Haliburton-Kawartha and Pine Ridge DHC	53.4	50.4, 56.3	63.4	58.2, 68.7	46.0	42.5, 49.5
3504 Toronto District Health Council	50.0	48.5, 51.5	60.9	58.2, 63.6	41.9	40.2, 43.6
3505 Simcoe-York District Health Council	55.6	52.6, 58.5	63.9	58.6, 69.1	49.1	45.5, 52.6
3506 Halton-Peel District Health Council	49.2	46.4, 51.9	60.5	55.4, 65.7	41.6	38.5, 44.8
3507 Waterloo-Wellington-Dufferin DHC	58.0	54.7, 61.4	73.7	67.2, 80.2	48.1	44.2, 52.0
3508 Hamilton-Wentworth DHC	53.8	50.4, 57.3	62.8	56.6, 68.9	47.4	43.3, 51.6
3509 Niagara District Health Council	50.2	46.8, 53.6	61.0	54.8, 67.1	42.8	38.8, 46.8
3510 Grand River DHC	52.1	47.3, 57.0	61.8	53.2, 70.5	45.1	39.4, 50.8
3511 Thames Valley DHC	56.5	53.2, 59.7	68.1	62.2, 74.0	47.6	43.8, 51.4
3512 Essex-Kent and Lambton DHC	59.6	56.4, 62.8	72.0	66.1, 77.9	51.0	47.3, 54.8
3513 Grey-Bruce-Huron and Perth DHC	58.7	54.5, 62.9	73.3	65.8, 80.7	47.6	42.7, 52.5
3514 Muskoka-Nipissing and Parry Sound DHC	57.0	51.9, 62.1	77.3	67.7, 86.9	43.5	37.7, 49.2
3515 Algoma-Cochrane-Manitoulin and Sudbury DHC	69.7	65.2, 74.3	80.5	72.4, 88.7	62.2	56.6, 67.8
3516 Northwestern Ontario DHC	55.7	50.5, 60.9	72.1	62.7, 81.4	43.6	37.6, 49.5
3526 Algoma Public Health Unit	60.4	53.0, 67.8	71.1	57.9, 84.3	52.6	43.7, 61.5
3527 Brant Public Health Unit	58.1	51.1, 65.2	70.3	57.3, 83.2	49.9	41.7, 58.2
3530 Durham Public Health Unit	54.9	50.5, 59.3	68.0	59.9, 76.1	45.5	40.4, 50.6
3531 Elgin-St Thomas Public Health Unit	56.5	48.0, 65.0	66.9	51.6, 82.2	48.5	38.5, 58.5
3533 Bruce-Grey-Owen Sound Public Health Unit	59.4	53.6, 65.1	74.4	64.2, 84.6	47.9	41.2, 54.5
3534 Haldimand-Norfolk Public Health Unit	45.4	38.9, 52.0	53.0	41.5, 64.4	39.5	31.7, 47.4
3535 Haliburton-Kawartha-Pine Ridge Public Health Unit	52.0	46.7, 57.3	58.9	49.8, 67.9	46.8	40.3, 53.3
3536 Halton Public Health Unit	43.7	39.5, 47.8	55.4	47.6, 63.2	35.6	30.9, 40.3
3537 Hamilton-Wentworth Public Health Unit	53.8	50.4, 57.3	62.8	56.6, 68.9	47.4	43.3, 51.6
3538 Hastings and Prince Edward Public Health Unit	53.2	47.6, 58.8	64.9	54.8, 75.0	44.6	37.9, 51.2
3539 Huron Public Health Unit	61.1	51.9, 70.3	78.5	61.7, 95.2	50.2	39.1, 61.3
3540 Kent-Chatham Public Health Unit	39.3	33.4, 45.3	52.2	41.0, 63.5	30.7	24.1, 37.3
3541 Kingston-Frontenac-Lennox and Addington Public Health Unit	56.9	51.2, 62.7	68.1	57.8, 78.3	47.1	40.4, 53.7
3542 Lambton Public Health Unit	53.9	47.4, 60.4	69.4	57.4, 81.4	42.9	35.4, 50.4
3543 Leeds-Grenville-Lanark Public Health Unit	54.5	48.9, 60.2	72.8	62.0, 83.6	41.8	35.5, 48.1

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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
3544 Middlesex-London Public Health Unit	55.5	51.5, 59.5	69.3	62.0, 76.7	45.4	40.9, 50.0
3545 Muskoka-Parry Sound Public Health Unit	57.4	49.5, 65.3	78.9	64.2, 93.7	41.5	32.8, 50.1
3546 Niagara Public Health Unit	50.2	46.8, 53.6	61.0	54.8, 67.1	42.8	38.8, 46.8
3547 North Bay Public Health Unit	58.0	49.7, 66.2	79.6	63.8, 95.4	44.5	35.2, 53.8
3549 Northwestern Public Health Unit	56.9	47.5, 66.4	75.1	58.0, 92.1	43.9	32.9, 54.8
3551 Ottawa Carleton Public Health Unit	54.9	51.9, 58.0	58.1	52.7, 63.6	50.3	46.7, 53.9
3552 Oxford Public Health Unit	60.4	52.6, 68.1	65.0	51.6, 78.5	55.0	45.7, 64.4
3553 Peel Public Health Unit	52.6	49.0, 56.2	63.6	56.8, 70.4	45.4	41.2, 49.6
3554 Perth Public Health Unit	55.5	47.1, 63.9	66.7	51.7, 81.6	44.9	35.6, 54.2
3555 Peterborough Public Health Unit	51.5	45.6, 57.5	60.0	49.3, 70.6	45.5	38.4, 52.6
3556 Porcupine Public Health Unit	82.3	71.5, 93.1	102.8	83.3, 122.2	69.2	56.2, 82.1
3557 Renfrew Public Health Unit	61.9	54.2, 69.7	94.3	78.2, 110.4	43.9	35.5, 52.4
3558 Eastern Ontario Public Health Unit	53.7	48.2, 59.1	66.2	56.1, 76.3	45.8	39.3, 52.3
3560 Simcoe Public Health Unit	59.4	54.9, 63.9	70.6	62.6, 78.6	50.8	45.5, 56.1
3561 Sudbury Public Health Unit	69.8	63.1, 76.6	75.3	63.5, 87.1	64.9	56.6, 73.2
3562 Thunder Bay Public Health Unit	55.4	49.1, 61.6	70.1	58.9, 81.3	44.1	36.9, 51.3
3563 Timiskaming Public Health Unit	54.9	43.5, 66.4	70.0	48.3, 91.7	45.8	32.4, 59.3
3565 Waterloo Public Health Unit	53.8	49.7, 57.9	68.5	60.5, 76.5	44.8	40.1, 49.5
3566 Wellington-Dufferin-Guelph Public Health Unit	65.1	59.2, 71.0	81.9	70.9, 93.0	53.6	46.8, 60.3
3568 Windsor-Essex Public Health Unit	69.1	64.5, 73.6	79.7	71.4, 88.0	61.5	56.1, 66.9
3570 York Public Health Unit	53.1	49.1, 57.0	59.3	52.3, 66.4	48.0	43.2, 52.7
3595 City of Toronto Public Health Unit	50.0	48.5, 51.5	60.9	58.2, 63.6	41.9	40.2, 43.6
46 Manitoba	65.0	62.6, 67.4	78.2	74.0, 82.4	55.4	52.5, 58.2
4610 Winnipeg	60.4	57.3, 63.5	74.1	68.5, 79.8	51.2	47.6, 54.8
4615 Brandon	59.3	48.8, 69.7	68.7	50.9, 86.5	54.1	41.0, 67.3
4620 North Eastman	60.9	47.2, 74.7	91.0	65.8, 116.3	36.2	21.7, 50.7
4625 South Eastman	68.3	55.3, 81.3	88.3	65.2, 111.4	54.2	39.0, 69.5
4630 Interlake	67.6	57.9, 77.3	70.5	55.3, 85.8	63.9	51.4, 76.5
4640 Central	72.6	64.4, 80.8	85.3	71.4, 99.2	62.2	52.4, 72.0
4650 Marquette	79.7	67.3, 92.2	87.2	67.7, 106.8	73.0	56.9, 89.1
4655 South Westman	65.0	53.3, 76.7	77.4	57.4, 97.4	53.5	40.2, 66.8
4660 Parkland	68.8	58.4, 79.2	79.6	62.2, 96.9	58.4	46.1, 70.7
4670 Norman	96.6	69.6, 123.6	106.4	63.1, 149.7	89.4	54.8, 123.9
4680 Burntwood/Churchill	139.3	100.2, 178.5	130.6	75.6, 185.7	142.4	88.6, 196.3
47 Saskatchewan	69.0	66.5, 71.5	84.4	80.1, 88.7	56.3	53.4, 59.3
4701 Weyburn (A) Service Area	64.4	55.4, 73.5	81.4	65.7, 97.1	50.7	40.4, 61.0
4702 Moose Jaw (B) Service Area	76.9	67.1, 86.8	95.7	78.5, 113.0	61.2	50.0, 72.5
4703 Swift Current (C) Service Area	60.6	51.1, 70.2	69.2	53.0, 85.4	53.0	41.7, 64.4
4704 Regina (D) Service Area	66.0	60.7, 71.3	87.2	77.4, 97.0	50.5	44.7, 56.4
4705 Yorkton (E) Service Area	68.5	59.7, 77.2	88.4	73.0, 103.8	50.4	41.4, 59.4
4706 Saskatoon (F) Service Area	65.5	60.5, 70.5	76.4	67.9, 84.9	56.6	50.6, 62.5
4707 Rosetown (G) Service Area	90.2	77.6, 102.9	106.7	85.4, 128.0	76.0	60.9, 91.1
4708 Melfort (H) Service Area	68.8	58.5, 79.2	72.3	56.4, 88.2	65.7	52.1, 79.4
4709 Prince Albert (I) Service Area	74.9	65.4, 84.5	95.4	79.0, 111.8	57.0	46.2, 67.9
4710 North Battleford (J) Service Area	66.8	56.5, 77.0	81.5	64.3, 98.7	53.5	41.5, 65.6

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4711 Northern Health Services Branch (K) Service Area	111.2	71.4, 151.1	146.5	66.4, 226.6	96.5	49.8, 143.2
48 Alberta	71.6	69.7, 73.5	84.1	80.8, 87.4	61.3	59.0, 63.6
4801 Chinook Regional Health Authority	67.1	59.9, 74.3	77.4	65.5, 89.3	60.0	51.0, 69.0
4802 Palliser Health Authority	59.4	51.0, 67.9	68.6	54.1, 83.0	53.5	43.0, 64.0
4803 Headwaters Health Authority	72.2	60.1, 84.2	96.4	74.0, 118.8	55.1	41.6, 68.5
4804 Calgary Regional Health Authority	90.0	85.9, 94.2	110.3	102.7, 117.9	75.4	70.6, 80.3
4805 Health Authority #5	66.3	54.3, 78.4	74.9	55.2, 94.7	56.7	42.4, 71.0
4806 David Thompson Regional Health Authority	62.8	56.0, 69.6	68.4	57.3, 79.5	57.8	49.3, 66.4
4807 East Central Health Authority	60.3	53.1, 67.4	68.0	56.5, 79.5	52.9	44.1, 61.8
4808 WestView Regional Health Authority	53.3	43.5, 63.0	63.4	46.3, 80.4	45.2	33.6, 56.7
4809 Crossroads Regional Health Authority	84.2	66.6, 101.9	117.4	83.7, 151	59.6	40.9, 78.4
4810 Capital Health Authority	65.0	61.6, 68.5	76.2	70.2, 82.2	55.6	51.5, 59.7
4811 Aspen Regional Health Authority	59.8	50.6, 69.0	62.4	48.1, 76.6	55.8	44.0, 67.7
4812 Lakeland Regional Health Authority	77.6	68.2, 87.0	89.5	74.1, 104.9	66.0	54.5, 77.4
4813 Mistahia Regional Health Authority	60.7	49.5, 71.9	70.2	52.0, 88.5	51.5	37.7, 65.3
4814 Peace Regional Health Authority	92.5	63.5, 121.5	94.1	49.3, 139.0	87.3	50.6, 124.0
4815 Keeweenaw Regional Health Authority	54.3	30.3, 78.3	79.6	37.3, 121.9	30.5	5.6, 55.5
4816 Northern Lights Regional Health Authority	66.1	29.9, 102.3	69.7	13.2, 126.2	58.5	13.8, 103.1
4817 Northwestern Regional Health Authority	41.5	17.1, 65.8	--	--	58.2	19.0, 97.3
59 British Columbia	60.6	59.3, 62.0	73.6	71.2, 75.9	51.0	49.4, 52.6
5901 East Kootenay	69.0	58.8, 79.2	75.8	58.8, 92.8	64.9	51.9, 77.8
5902 West Kootenay-Boundary	68.8	59.7, 77.8	89.3	72.9, 105.7	54.7	44.2, 65.1
5903 North Okanagan	65.4	58.0, 72.7	77.5	65.3, 89.7	55.6	46.6, 64.6
5904 South Okanagan Similkameen	59.2	54.6, 63.8	75.0	67.1, 83.0	46.5	41.2, 51.9
5905 Thompson	74.3	65.2, 83.3	93.7	77.9, 109.5	59.2	48.6, 69.8
5906 Fraser Valley	58.2	53.0, 63.5	66.6	57.9, 75.3	50.8	44.4, 57.2
5907 South Fraser Valley	55.9	52.2, 59.5	68.2	61.7, 74.7	46.8	42.4, 51.2
5908 Simon Fraser	65.1	59.5, 70.8	86.2	75.1, 97.3	52.4	46.0, 58.8
5909 Coast Garibaldi	88.5	75.9, 101.2	107.5	85.7, 129.3	74.3	59.0, 89.7
5910 Central Vancouver Island	66.8	61.3, 72.2	82.8	73.0, 92.5	55.5	49.0, 61.9
5911 Upper Island / Central Coast	78.4	68.2, 88.7	85.6	69.4, 101.9	73.6	60.2, 87.0
5912 Cariboo	89.0	73.4, 104.7	113.3	88.1, 138.5	62.5	44.8, 80.2
5913 North West	93.6	76.9, 110.2	111.2	83.3, 139.0	80.8	59.7, 101.8
5914 Peace Liard	66.3	50.9, 81.7	84.6	58.3, 110.9	51.0	32.8, 69.2
5915 Northern Interior	89.3	75.4, 103.2	110.1	86.5, 133.7	72.2	55.4, 89.0
5916 Vancouver	53.2	50.0, 56.5	63.4	57.7, 69.1	45.6	41.8, 49.4
5917 Burnaby	53.9	48.4, 59.4	62.8	53.2, 72.4	47.8	41.2, 54.5
5918 North Shore	54.4	48.8, 59.9	62.1	52.2, 72.0	46.9	40.5, 53.3
5919 Richmond	43.0	36.7, 49.2	49.7	38.3, 61.0	37.5	30.3, 44.8
5920 Capital	58.8	55.2, 62.5	70.3	63.8, 76.9	50.8	46.5, 55.2
5921 Vancouver/Richmond	51.0	48.2, 53.9	60.5	55.4, 65.6	43.8	40.5, 47.1
5922 Simon Fraser/Burnaby	59.8	55.8, 63.7	74.7	67.4, 82.0	50.1	45.5, 54.6

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60	Yukon Territory	120.7	82.2, 159.3	160.8	96.3, 225.4	85.1	38.8, 131.3
6001	Yukon Territory	120.7	82.2, 159.3	160.8	96.3, 225.4	85.1	38.8, 131.3
61	Northwest Territories	69.4	44.1, 94.7	87.8	46.6, 129.1	50.5	21.1, 80.0
6101	Northwest Territories	69.4	44.1, 94.7	87.8	46.6, 129.1	50.5	21.1, 80.0
62	Nunavut	150.4	87.8, 213.0	141.0	62.5, 219.5	161.3	58.1, 264.4
6201	Nunavut	150.4	87.8, 213.0	141.0	62.5, 219.5	161.3	58.1, 264.4

-- Suppressed due to both small numbers and extremely high variability

Confidence intervals illustrate the degree of variability associated with the rate. See Technical Notes.

These rates are created by average of three years of data (1995, 1996, 1997) over the 1996 population estimates; age-standardized to the 1991 Canadian population age structure.

Rates for Ontario are presented for both **District Health Councils (DHC)** and **Public Health Units (PHU)**. DHCs are more relevant for health system analysis while PHUs are more relevant for health status measures.

Source: Canadian Vital Statistics Database, Statistics Canada



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