

SUICIDE DATA FOR ALBERTA'S RURAL NORTH: 2004-2013

INJURY PREVENTION CENTRE

7 July 2015



Suicide in Alberta's Rural North

Introduction

Over 500 people die by suicide in Alberta every year. Over 75% of these deaths are men, most between the ages of 30-69.

The Injury Prevention Centre (IPC) and the Alberta Suicide Prevention Network created the *Keep Him Here* campaign, which coincides with World Suicide Prevention Day, held annually on September 10. This campaign encourages Albertans with middle-aged men in their lives to know the signs of suicide, start the conversation and reach out. Visit www.KeepHimHere.ca for more information on the campaign.

IPC has created a series of reports to provide data at a local level to support communities participating in the *Keep Him Here* campaign and to aid in the planning of ongoing suicide prevention programs and initiatives.

The series of reports includes:

- Urban areas: Medicine Hat, Lethbridge, Red Deer, Grande Prairie and Fort McMurray.
- Rural areas: Rural South, Rural Calgary, Rural Central, Rural North, Remote West and Remote North.
- Metro areas: Greater Calgary and Greater Edmonton.

Each report contains:

- 10-year trend data for the specified geographic region and for comparison, trend data for similar geographical areas (urban, rural or metro) and the provincial trend.
- 3-year rates and 3-year average numbers for suicide deaths, hospital admissions and emergency department visits to allow partners to compare the suicide risks across gender and age groups within the specified geographic area.

The geographic areas reported are as specific as possible without comprising patients' anonymity.

The information in this summary is based on unpublished surveillance data housed at IPC. Contact our office for more information about the data or the *Keep Him Here* campaign.

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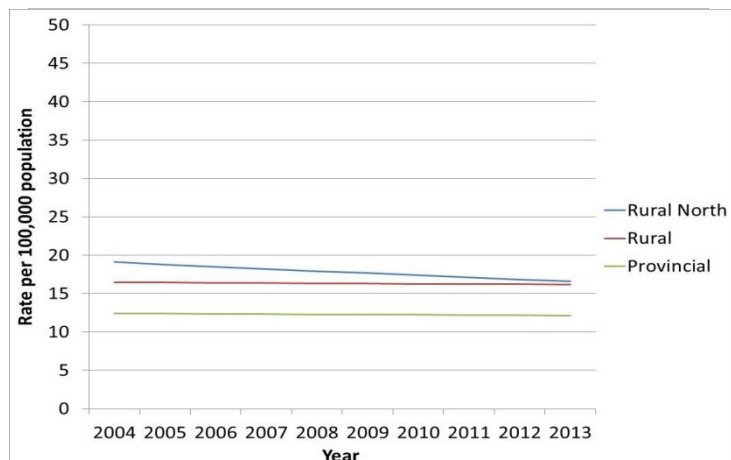
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Source: Injury Prevention Centre, Edmonton: Database held by Injury Prevention Centre (data accessed May 2015 database). Unpublished data available upon request.



Suicide in Alberta's Rural North

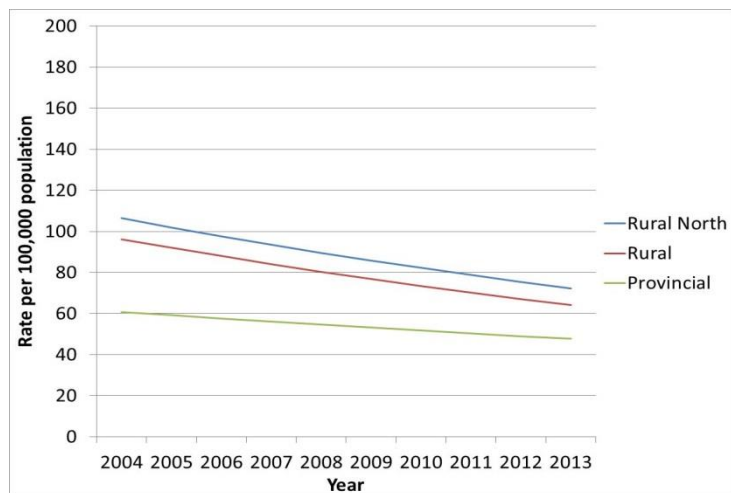
Suicide Deaths Time Trends for Rural North, the rural area and Alberta, 2004-2013



From 2004 to 2013, the suicide death rate in Alberta decreased at an average of 0.3 per cent per year.

During the same time period, the suicide death rates in Rural North and the rural area decreased at an average of 1.6 per cent and 0.2 per cent per year, respectively.

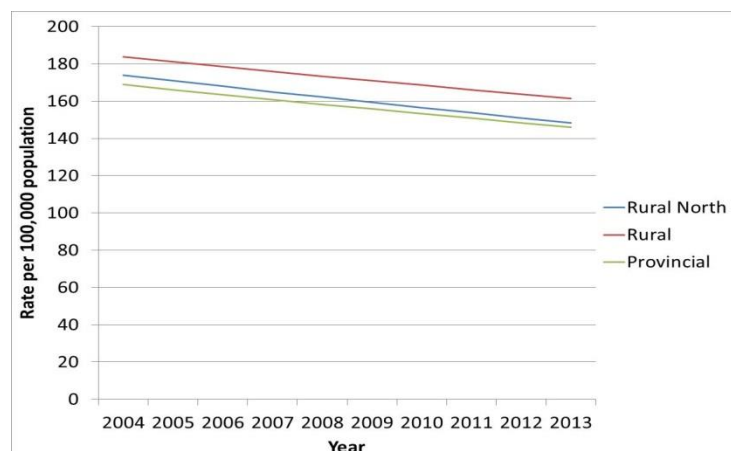
Attempted Suicide and Self-inflicted Injury Hospital Admissions Time Trends for Rural North, the rural area and Alberta, 2004-2013



Between 2004 and 2013, the province experienced a decrease in the rate of hospital admissions related to attempted suicide and self-inflicted injuries, with an average decrease of 2.7 per cent per year.

Rural North and the rural area both experienced a decrease in the rate of hospital admissions, with an average decrease of 4.2 per cent and 4.4 per cent per year, respectively.

Attempted Suicide and Self-inflicted Injury Emergency Department Visits Time Trends for Rural North, the rural area and Alberta, 2004-2013



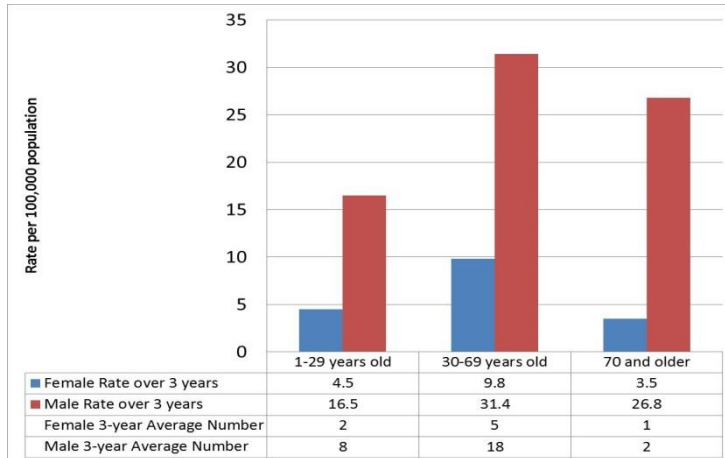
From 2004 to 2013, the rate of emergency department visits due to attempted suicide and self-inflicted injuries in the province decreased at an average of 1.6 per cent per year.

In comparison, the rate of emergency department visits in Rural North and in the rural area both decreased, with an average decrease of 1.8 per cent and 1.4 per cent per year, respectively.



Suicide in Alberta's Rural North

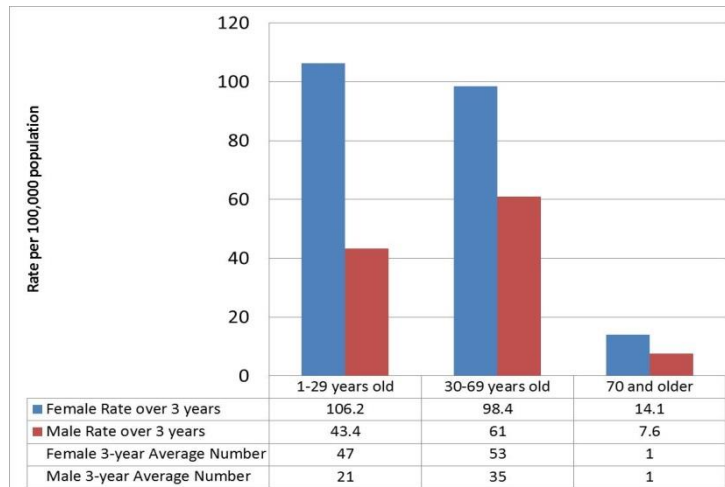
Suicide Death Rates and Average Numbers of Suicide Deaths for Rural North, 2011-2013



From 2011 to 2013, males aged 30-69 years had the highest suicide death rate in Rural North at 31.4 deaths per 100,000 population. Men under 30 years old had a suicide death rate of 16.5 deaths per 100,000 population and men aged 70 years and older had a rate of 26.8 deaths per 100,000 population.

In comparison, the suicide death rate among females aged 30-69 years was 9.8 deaths per 100,000 population. Among females aged 1-29 years and those aged 70 years and older, the suicide death rates were 4.5 and 3.5 deaths per 100,000 population, respectively.

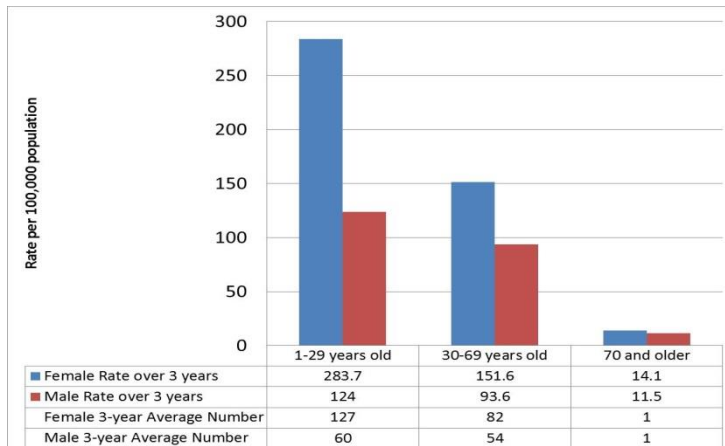
Attempted Suicide and Self-inflicted Injury Hospital Admission Rates and Average Numbers of Hospital Admissions for Rural North, 2011-2013



From 2011 to 2013, the rates of hospital admissions due to attempted suicide and self-inflicted injuries among females in Rural North were 106.2 (1-29 years old), 98.4 (30-69 years old) and 14.1 (70 years and older) hospital admissions per 100,000 population.

In comparison, the rates for male hospital admissions over the same time period were 43.4 (1-29 years old), 61.0 (30-69 years old) and 7.6 (70 years and older) per 100,000 population.

Attempted Suicide and Self-inflicted Injury Emergency Department Visit Rates and Average Numbers of Emergency Department Visits for Rural North, 2011-2013



From 2011 to 2013, the rates of emergency department visits due to attempted suicide and self-inflicted injuries among females were 283.7 (1-29 years old), 151.6 (30-69 years old) and 14.1 (70 years and older) emergency department visits per 100,000 population.

In comparison, males had rates of 124.0 (1-29 years old), 93.6 (30-69 years old) and 11.5 (70 years and older) emergency department visits per 100,000 population.



Suicide in Alberta's Rural North

The 3-year (2011-2013) rates¹ of death, hospital admissions and emergency department visits for suicides, suicide attempts and self-inflicted injuries by age and sex, Rural North

Age Group	Death			Hospital Admissions			Emergency Department Visits		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-4	0.00	0.00	0.00	0.00	5.53	2.68	0.00	0.00	0.00
5-9	0.00	4.68	2.27	0.00	0.00	0.00	0.00	4.68	2.27
10-14	8.70	4.60	6.71	13.06	105.85	58.16	47.88	243.92	143.17
15-19	27.42	4.22	16.26	58.75	211.25	132.12	246.77	646.42	439.03
20-24	31.64	4.40	18.74	106.80	189.07	145.76	272.93	466.08	364.4
25-29	28.52	8.87	19.11	73.35	115.32	93.44	150.77	306.04	225.12
30-34	42.72	22.33	32.75	106.8	111.63	109.16	187.97	205.39	196.48
35-39	27.19	14.28	20.89	77.04	114.24	95.19	131.42	209.44	169.48
40-44	44.92	19.16	32.45	58.39	205.94	129.8	103.31	292.15	194.71
45-49	31.83	4.23	18.44	71.61	135.25	102.47	91.50	202.87	145.5
50-54	40.72	4.11	23.39	70.34	61.72	66.26	96.25	82.30	89.64
55-59	21.09	4.73	13.38	21.09	61.46	40.13	42.18	75.64	57.96
60-64	22.41	5.93	14.40	33.61	35.57	34.56	16.81	47.42	31.68
65-69	7.23	0.00	3.68	28.92	22.51	25.77	43.38	37.51	40.50
70-74	19.50	10.18	14.94	0.00	10.18	4.98	9.75	10.18	9.96
75-79	26.08	0.00	13.22	13.04	40.22	26.44	0.00	40.22	19.83
80-84	20.42	0.00	9.71	0.00	0.00	0.00	20.42	0.00	9.71
85-89	41.17	0.00	16.93	0.00	0.00	0.00	41.17	0.00	16.93
90+	110.25	0.00	32.20	110.25	0.00	32.20	0.00	0.00	0.00

1. Rates per 100,000 population.



Suicide in Alberta's Rural North

The 3-year (2011-2013) average number of deaths, hospital admissions and emergency department visits for suicides, suicide attempts and self-inflicted injuries by age and sex, Rural North

Age Group	Deaths			Hospital Admissions			Emergency Department Visits		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-4	0.00	0.00	0.00	0.00	0.33	0.33	0.00	0.00	0.00
5-9	0.00	0.33	0.33	0.00	0.00	0.00	0.00	0.33	0.33
10-14	0.67	0.33	1.00	1.00	7.67	8.67	3.67	17.67	21.33
15-19	2.33	0.33	2.67	5.00	16.67	21.67	21.00	51.00	72.00
20-24	2.67	0.33	3.00	9.00	14.33	23.33	23.00	35.33	58.33
25-29	2.33	0.67	3.00	6.00	8.67	14.67	12.33	23.00	35.33
30-34	3.33	1.67	5.00	8.33	8.33	16.67	14.67	15.33	30.00
35-39	2.00	1.00	3.00	5.67	8.00	13.67	9.67	14.67	24.33
40-44	3.33	1.33	4.67	4.33	14.33	18.67	7.67	20.33	28.00
45-49	2.67	0.33	3.00	6.00	10.67	16.67	7.67	16.00	23.67
50-54	3.67	0.33	4.00	6.33	5.00	11.33	8.67	6.67	15.33
55-59	1.67	0.33	2.00	1.67	4.33	6.00	3.33	5.33	8.67
60-64	1.33	0.33	1.67	2.00	2.00	4.00	1.00	2.67	3.67
65-69	0.33	0.00	0.33	1.33	1.00	2.33	2.00	1.67	3.67
70-74	0.67	0.33	1.00	0.00	0.33	0.33	0.33	0.33	0.67
75-79	0.67	0.00	0.67	0.33	1.00	1.33	0.00	1.00	1.00
80-84	0.33	0.00	0.33	0.00	0.00	0.00	0.33	0.00	0.33
85-89	0.33	0.00	0.33	0.00	0.00	0.00	0.33	0.00	0.33
90+	0.33	0.00	0.33	0.33	0.00	0.33	0.00	0.00	0.00



Funding and Support

The Injury Prevention Centre receives core business funding from Alberta Health and is part of the School of Public Health at the University of Alberta.

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