



#### Alaska Facts and Figures 2014-2018 Alaska Resident Violent Death and Unintentional Injury Death

The Alaska Facts and Figures tables were prepared by the Alaska Department of Health and Social Services, Division of Public Health, Health Analytics and Vital Records Section. These tables summarize mortality data from Alaska Vital Statistics during a 5-year period, from 2014 to 2018, on Alaska resident deaths where the cause is categorized as homicide, suicide, or accident.

#### **Additional Information**

- The statistics provided in the tables reflect data for Alaska residents only. Counts and rates may differ from other reports or publications that present data for deaths that occurred in Alaska, regardless of residency.
- These tables provide counts and rates for all deaths due to "Assault" (homicide), "Intentional Self-Harm" (suicide), or "Unintentional Injuries" (accidents).
  - A listing of the underlying cause of death ICD-10 codes for each of the three groups can be found in the footnotes of each table.
- For each year, beneath the total line for each group ["Assault", "Intentional Self-Harm", and "Unintentional Injuries"], the counts are further stratified by select mechanisms of death, which are indented below the total, such as firearm discharge, poisoning, and motor vehicle accidents.
- The death counts do not include the injury deaths where the intent was undetermined, a legal intervention, or due to a war operation.
- The first five tables, by year, also provide the sum of *Years of Potential Life Lost* (YPLL), YPLL rates, and the average YPLL for each cause of death. YPLL measures the impact of premature mortality, and is defined as the difference between an expected natural lifespan (assumed here as 75 years), and the actual age of death before that time. The YPLL rates are defined as the number of years of potential life lost per 100,000 population under the age of 75 years old.
- The three cause of death groups are mutually exclusive. A death is only counted once as either homicide, suicide, or accident. The indented cause of death lines by mechanism are also mutually exclusive, and for the tables by year, the indented counts sum to the total group count line.
- The tables stratified by Sex, Race, Age Group, and Regional Area (Public Health Region) provide the total counts and mortality rates for the three cause of death groups, and a subtotal for just the firearm related causes within that group.
- Any rate based on fewer than 6 events is not reported, and any rate based on fewer than 20 events is statistically unreliable and should be interpreted with caution. Due to relative small number of cases, only the overall tables are for a single year. The tables stratified by gender, race, age, and region display total counts for 5-year periods.
- Age-adjusted rates were adjusted by year 2000 standard population ratios. For more information see the Healthy People Statistical Notes on <u>Age</u> <u>adjustment using the 2000 projected U.S. population</u>, January 2001.
- The single-race population estimates used to calculate rates in these tables are provided by the Alaska Department of Labor and Workforce Development, Research and Analysis Section, Demographics Unit.



# Alaska Facts & Figures Alaska Resident Violent Death and Unintentional Injury - Causes by Year (2014-2018)

			Mort	ality		Yea	rs of Potential L	ife Lost (Age <7	5)
Year	Cause of Death <sup>1</sup>	Deaths	Crude Rate <sup>2</sup>	Age Adjusted Rate <sup>3</sup>	Median Age of Death	YPLL	Crude YPLL Rate⁴	Age Adjusted YPLL Rate⁵	Average YPLL
2018	Total Assault (homicide)	56	7.6	7.6	34	2,246	317.1	332.0	40.1
	Assault by firearm discharge	37	5.0	5.2	30	1,542	217.7	229.8	41.7
	Assault by other means	19	2.6*	2.5*	42	704	99.4*	102.2*	37.1
	Total Intentional self-harm (suicide)	184	25.0	24.9	34	6,524	921.2	950.2	35.5
	Suicide by firearm discharge	107	14.5	14.7	37	3,584	506.0	527.2	33.5
	Suicide by other means	77	10.5	10.3	32	2,940	415.1	423.0	38.2
	Total Unintentional injuries (accidents)	397	53.9	56.3	47	11,142	1,573.2	1,636.0	28.1
	Accidental firearm discharge	2	**	**	4	142	**	**	71
	Accidental drowning	19	2.6*	2.4*	53	528	74.6*	72.6*	27.8
	Accidental exposure to smoke or fire	9	1.2*	1.2*	59	233	32.9*	30.6*	25.9
	Accidental poisoning or exposure to noxious substances	142	19.3	19.5	44	4,424	624.7	665.7	31.2
	Accidental falls	44	6.0	7.7	78.5	364	51.4	49.0	8.3
	Motor vehicles accidents	95	12.9	12.7	37	3,245	458.2	469.3	34.2
	Other land transports accidents	2	**	**	36	78	**	**	39
	Water, air, space, or other transport accidents	35	4.8	4.5	52	898	126.8	132.5	25.7
	Other nontransport accidents	49	6.7	7.7	54	1,230	173.7	183.5	25.1

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86
- 2. Events per 100,000 population.
- 3. Events per 100,000 population, age adjusted to year 2000 standard population.
- 4. Years per 100,000 population under 75 years old.
- 5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.
- \* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





# Alaska Facts & Figures Alaska Resident Violent Death and Unintentional Injury - Causes by Year (2014-2018)

			Mort	ality		Yea	rs of Potential L	ife Lost (Age <7	5)
Year	Cause of Death <sup>1</sup>	Deaths	Crude Rate <sup>2</sup>	Age Adjusted Rate <sup>3</sup>	Median Age of Death	YPLL	Crude YPLL Rate⁴	Age Adjusted YPLL Rate⁵	Average YPLL
2017	Total Assault (homicide)	78	10.6	10.7	35	2,925	411.2	431.3	37.5
	Assault by firearm discharge	46	6.2	6.5	32	1,809	254.3	268.3	39.3
	Assault by other means	32	4.3	4.2	41	1,116	156.9	163.0	34.9
	Total Intentional self-harm (suicide)	199	27.0	27.2	34	7,151	1,005.3	1,031.9	35.9
	Suicide by firearm discharge	119	16.1	16.3	35	4,176	587.1	603.2	35.1
	Suicide by other means	80	10.8	11.0	33.5	2,975	418.2	428.7	37.2
	Total Unintentional injuries (accidents)	436	59.1	64.2	45	12,968	1,823.1	1,892.6	29.7
	Accidental firearm discharge	4	**	**	23	184	**	**	46
	Accidental drowning	19	2.6*	2.5*	55	596	83.8*	83.5*	31.4
	Accidental exposure to smoke or fire	11	1.5*	1.6*	8	546	76.8*	78.7*	49.6
	Accidental poisoning or exposure to noxious substances	154	20.9	21.2	40	5,284	742.8	784.4	34.3
	Accidental falls	65	8.8	12.2	77	594	83.5	87.0	9.1
	Motor vehicles accidents	101	13.7	14.4	43	3,330	468.1	484.8	33
	Other land transports accidents	0	**	**	-	0	**	**	-
	Water, air, space, or other transport accidents	24	3.3	3.3	35	775	109.0	112.8	32.3
	Other nontransport accidents	58	7.9	8.5	45	1,659	233.2	233.3	28.6

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86
- 2. Events per 100,000 population.
- 3. Events per 100,000 population, age adjusted to year 2000 standard population.
- 4. Years per 100,000 population under 75 years old.
- 5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.
- \* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





# Alaska Facts & Figures Alaska Resident Violent Death and Unintentional Injury - Causes by Year (2014-2018)

			Mort	ality		Yea	rs of Potential L	ife Lost (Age <7	5)
Year	Cause of Death <sup>1</sup>	Deaths	Crude Rate <sup>2</sup>	Age Adjusted Rate <sup>3</sup>	Median Age of Death	YPLL	Crude YPLL Rate⁴	Age Adjusted YPLL Rate⁵	Average YPLL
2016	Total Assault (homicide)	55	7.4	7.7	30	2,434	340.7	356.5	44.3
	Assault by firearm discharge	46	6.2	6.4	30	2,037	285.2	297.5	44.3
	Assault by other means	9	1.2*	1.3*	33	397	55.6*	59.1*	44.1
	Total Intentional self-harm (suicide)	193	26.1	26.3	32	7,439	1,041.4	1,082.3	38.5
	Suicide by firearm discharge	113	15.3	15.1	31	4,311	603.5	620.6	38.2
	Suicide by other means	80	10.8	11.1	33	3,128	437.9	461.7	39.1
	Total Unintentional injuries (accidents)	438	59.2	63.2	47	12,500	1,749.8	1,791.9	28.5
	Accidental firearm discharge	5	**	**	25	264	**	**	52.8
	Accidental drowning	28	3.8	4.0	40	919	128.6	140.2	32.8
	Accidental exposure to smoke or fire	14	1.9*	2.0*	46	397	55.6*	63.4*	28.4
	Accidental poisoning or exposure to noxious substances	129	17.4	17.0	40	4,402	616.2	635.9	34.:
	Accidental falls	72	9.7	13.4	76	623	87.2	87.4	8.
	Motor vehicles accidents	97	13.1	13.0	33	3,374	472.3	474.1	34.8
	Other land transports accidents	3	**	**	56	63	**	**	22
	Water, air, space, or other transport accidents	43	5.8	5.9	40	1,365	191.1	193.7	31.
	Other nontransport accidents	47	6.4	6.8	56	1,093	153.0	154.0	23.3

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86
- 2. Events per 100,000 population.
- 3. Events per 100,000 population, age adjusted to year 2000 standard population.
- 4. Years per 100,000 population under 75 years old.
- 5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.
- \* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





# Alaska Facts & Figures Alaska Resident Violent Death and Unintentional Injury - Causes by Year (2014-2018)

			Mort	ality		Yea	rs of Potential L	ife Lost (Age <7.	5)
Year	Cause of Death <sup>1</sup>	Deaths	Crude Rate <sup>2</sup>	Age Adjusted Rate <sup>3</sup>	Median Age of Death	YPLL	Crude YPLL Rate⁴	Age Adjusted YPLL Rate⁵	Average YPLL
2015	Total Assault (homicide)	62	8.4	8.1	30.5	2,586	362.8	365.1	41.7
	Assault by firearm discharge	42	5.7	5.5	27	1,814	254.5	252.9	43.2
	Assault by other means	20	2.7	2.7	36.5	772	108.3	112.2	38.6
	Total Intentional self-harm (suicide)	201	27.3	27.3	37	7,577	1,063.0	1,097.5	37.7
	Suicide by firearm discharge	123	16.7	16.6	38	4,480	628.5	645.7	36.4
	Suicide by other means	78	10.6	10.6	34.5	3,097	434.5	451.8	39.7
	Total Unintentional injuries (accidents)	389	52.8	57.9	46	11,270	1,581.1	1,601.4	29
	Accidental firearm discharge	5	**	**	22	256	**	**	51.2
	Accidental drowning	30	4.1	4.2	36	1,088	152.6	157.4	36.3
	Accidental exposure to smoke or fire	11	1.5*	1.9*	72	221	31.0*	29.4*	20.1
	Accidental poisoning or exposure to noxious substances	135	18.3	18.1	38	4,632	649.8	664.5	34.3
	Accidental falls	52	7.1	10.5	78.5	481	67.5	65.3	9.3
	Motor vehicles accidents	74	10.0	10.6	38.5	2,415	338.8	350.5	32.6
	Other land transports accidents	1	**	**	74	1	**	**	1
	Water, air, space, or other transport accidents	17	2.3*	2.1*	53	454	63.7*	61.5*	26.7
	Other nontransport accidents	64	8.7	9.6	57	1,722	241.6	234.1	26.9

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86

2. Events per 100,000 population.

3. Events per 100,000 population, age adjusted to year 2000 standard population.

4. Years per 100,000 population under 75 years old.

5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.

\* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





# Alaska Facts & Figures Alaska Resident Violent Death and Unintentional Injury - Causes by Year (2014-2018)

			Mort	ality		Yea	rs of Potential L	ife Lost (Age <7.	5)
Year	Cause of Death <sup>1</sup>	Deaths	Crude Rate <sup>2</sup>	Age Adjusted Rate <sup>3</sup>	Median Age of Death	YPLL	Crude YPLL Rate⁴	Age Adjusted YPLL Rate <sup>s</sup>	Average YPLL
2014	Total Assault (homicide)	36	4.9	4.6	34.5	1,339	187.8	181.3	37.2
	Assault by firearm discharge	20	2.7	2.5	34.5	746	104.6	101.9	37.3
	Assault by other means	16	2.2*	2.1*	37.5	593	83.2*	79.4*	37.1
	Total Intentional self-harm (suicide)	167	22.7	22.3	35	6,115	857.7	866.2	36.6
	Suicide by firearm discharge	115	15.6	15.5	36	4,023	564.3	571.9	35
	Suicide by other means	52	7.1	6.8	30.5	2,092	293.4	294.2	40.2
	Total Unintentional injuries (accidents)	378	51.3	54.6	47	10,942	1,534.8	1,567.9	28.9
	Accidental firearm discharge	3	**	**	24	129	**	**	43
	Accidental drowning	25	3.4	3.3	43	886	124.3	131.3	35.4
	Accidental exposure to smoke or fire	8	1.1*	1.3*	59.5	119	16.7*	17.0*	14.9
	Accidental poisoning or exposure to noxious substances	135	18.3	18.6	39	4,592	644.1	683.1	34
	Accidental falls	32	4.3	5.8	70	417	58.5*	55.8*	13
	Motor vehicles accidents	87	11.8	11.2	44	2,866	402.0	394.3	32.9
	Other land transports accidents	2	**	**	53	44	**	**	22
	Water, air, space, or other transport accidents	22	3.0	2.7	48	657	92.2	91.9	29.9
	Other nontransport accidents	64	8.7	11.0	66.5	1,232	172.8	170.2	19.3

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86
- 2. Events per 100,000 population.
- 3. Events per 100,000 population, age adjusted to year 2000 standard population.
- 4. Years per 100,000 population under 75 years old.
- 5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.
- \* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





Alaska Resident Violent Death and Unintentional Injury - Firearm-Related Causes by 5 Year Interval and Sex (2010-2018)

		2010-2	2014	2011-2	2015	2012-2	2016	2013-2	2017	2014-3	2018
Sex	Cause of Death <sup>1</sup>	Deaths	Age Adjusted Rate³	Deaths	Age Adjusted Rate³	Deaths	Age Adjusted Rate³	Deaths	Age Adjusted Rate <sup>3</sup>	Deaths	Age Adjusted Rate <sup>3</sup>
Female	Total Assault (homicide)	52	2.9	62	3.4	75	4.2	86	4.9	90	5.2
	Assault by firearm discharge	26	1.4	30	1.6	42	2.4	51	3.0	53	3.1
	Total Intentional self-harm (suicide)	155	8.6	168	9.4	185	10.3	198	10.9	203	11.3
	Suicide by firearm discharge	78	4.3	81	4.6	81	4.6	85	4.7	86	4.8
	Total Unintentional injuries (accidents)	610	38.3	611	37.8	599	36.9	615	37.6	642	38.7
	Accidental firearm discharge	3	**	3	**	3	**	3	**	2	**
Male	Total Assault (homicide)	146	7.5	154	7.8	159	8.1	188	9.6	197	10.1
	Assault by firearm discharge	80	4.0	88	4.4	102	5.1	122	6.2	138	7.1
	Total Intentional self-harm (suicide)	656	35.3	681	36.2	715	37.7	734	38.9	741	39.2
	Suicide by firearm discharge	460	25.1	474	25.4	488	25.7	505	26.7	491	25.9
	Total Unintentional injuries (accidents)	1,236	70.9	1,258	71.7	1,324	75.6	1,378	79.0	1,396	79.4
	Accidental firearm discharge	11	0.6*	14	0.7*	18	0.9*	16	0.8*	17	0.9*

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86

2. Events per 100,000 population.

3. Events per 100,000 population, age adjusted to year 2000 standard population.

4. Years per 100,000 population under 75 years old.

5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.

\* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





Alaska Resident Violent Death and Unintentional Injury - Firearm-Related Causes by 5 Year Interval and Race (2010-2018)

		2010-2	2014	2011-2	2015	2012-2	2016	2013-2	2017	2014-	2018
Race	Cause of Death <sup>1</sup>	Deaths	Age Adjusted Rate³	Deaths	Age Adjusted Rate <sup>3</sup>						
White	Total Assault (homicide)	89	3.3	93	3.4	103	3.9	114	4.4	108	4.3
	Assault by firearm discharge	57	2.1	60	2.2	74	2.8	84	3.3	82	3.3
	Total Intentional self-harm (suicide)	506	19.3	525	20.0	551	21.0	567	21.7	580	22.3
	Suicide by firearm discharge	357	13.8	372	14.3	379	14.5	388	14.9	391	15.0
	Total Unintentional injuries (accidents)	1,193	48.9	1,169	47.6	1,187	48.0	1,216	49.5	1,219	49.1
	Accidental firearm discharge	8	0.3*	11	0.4*	14	0.5*	10	0.4*	9	0.3*
AI/AN	Total Assault (homicide)	73	12.2	82	14.0	86	14.4	105	17.3	106	17.4
	Assault by firearm discharge	29	4.6	32	5.1	38	6.1	48	7.6	53	8.5
	Total Intentional self-harm (suicide)	245	39.4	259	41.0	271	42.4	283	44.1	284	43.2
	Suicide by firearm discharge	144	23.5	145	23.2	144	22.5	152	23.7	140	21.4
	Total Unintentional injuries (accidents)	548	104.7	587	111.1	601	114.1	635	118.4	675	125.9
	Accidental firearm discharge	5	**	4	**	4	**	6	0.9*	6	0.8*
Asian/PI/Black	Total Assault (homicide)	34	7.4	40	8.1	43	8.6	51	10.1	68	13.0
	Assault by firearm discharge	19	4.0*	25	4.8	30	5.8	37	7.1	52	9.8
	Total Intentional self-harm (suicide)	48	10.2	49	10.0	58	11.4	60	11.5	58	11.1
	Suicide by firearm discharge	30	6.2	30	5.9	37	7.1	41	7.6	38	7.0
	Total Unintentional injuries (accidents)	90	24.4	93	24.2	103	26.2	109	27.3	104	25.1
	Accidental firearm discharge	1	**	1	**	2	**	2	**	3	**

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86

2. Events per 100,000 population.

3. Events per 100,000 population, age adjusted to year 2000 standard population.

4. Years per 100,000 population under 75 years old.

5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.

\* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





E-mail: HealthAnalytics@alaska.gov

# Alaska Facts & Figures

Alaska Resident Violent Death and Unintentional Injury - Firearm-Related Causes by 5 Year Interval and Age Group (2010-2018)

		2010-2	2014	2011-	2015	2012-2	2016	2013-	2017	2014	-2018
Age Group	Cause of Death <sup>1</sup>	Deaths	Age Specific Rate <sup>2</sup>								
00-14	Total Assault (homicide)	21	2.7	22	2.8	22	2.8	21	2.6	19	2.4*
	Assault by firearm discharge	6	0.8*	8	1.0*	10	1.3*	9	1.1*	7	0.9*
	Total Intentional self-harm (suicide)	5	**	6	0.8*	11	1.4*	11	1.4*	13	1.6*
	Suicide by firearm discharge	3	**	5	**	7	0.9*	7	0.9*	9	1.1*
	Total Unintentional injuries (accidents)	91	11.5	93	11.7	82	10.3	96	12.1	90	11.4
	Accidental firearm discharge	6	0.8*	6	0.8*	6	0.8*	7	0.9*	8	1.0*
15-24	Total Assault (homicide)	36	6.9	41	7.9	45	8.8	59	11.7	63	12.8
	Assault by firearm discharge	22	4.2	29	5.6	35	6.8	47	9.3	54	10.9
	Total Intentional self-harm (suicide)	203	38.7	211	40.7	223	43.6	232	46.1	231	46.8
	Suicide by firearm discharge	133	25.4	135	26.0	139	27.2	150	29.8	143	28.9
	Total Unintentional injuries (accidents)	212	40.4	208	40.1	210	41.0	203	40.4	193	39.1
	Accidental firearm discharge	2	**	3	**	4	**	3	**	3	**
25-34	Total Assault (homicide)	45	8.2	51	9.1	64	11.3	73	12.8	77	13.5
	Assault by firearm discharge	30	5.5	33	5.9	47	8.3	53	9.3	58	10.1
	Total Intentional self-harm (suicide)	189	34.6	198	35.5	223	39.4	237	41.5	235	41.1
	Suicide by firearm discharge	118	21.6	124	22.2	136	24.0	141	24.7	129	22.5
	Total Unintentional injuries (accidents)	304	55.7	332	59.5	347	61.3	358	62.8	359	62.7
	Accidental firearm discharge	3	**	3	**	6	1.1*	4	**	3	**

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86

2. Events per 100,000 population.

3. Events per 100,000 population, age adjusted to year 2000 standard population.

4. Years per 100,000 population under 75 years old.

5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.

\* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





E-mail: HealthAnalytics@alaska.gov

# Alaska Facts & Figures

Alaska Resident Violent Death and Unintentional Injury - Firearm-Related Causes by 5 Year Interval and Age Group (2010-2018)

		2010-2	2014	2011	2015	2012-2	2016	2013-	2017	2014-	-2018
Age Group	Cause of Death <sup>1</sup>	Deaths	Age Specific Rate <sup>2</sup>								
35-44	Total Assault (homicide)	26	5.6	25	5.4	33	7.2	42	9.1	48	10.3
	Assault by firearm discharge	16	3.5*	12	2.6*	19	4.1*	23	5.0	29	6.2
	Total Intentional self-harm (suicide)	117	25.4	130	28.3	140	30.4	138	29.9	139	29.9
	Suicide by firearm discharge	74	16.1	78	17.0	83	18.0	79	17.1	77	16.6
	Total Unintentional injuries (accidents)	294	63.8	287	62.4	300	65.2	312	67.6	316	67.9
	Accidental firearm discharge	0	**	1	**	1	**	2	**	2	**
45-54	Total Assault (homicide)	32	6.0	30	5.8	30	6.0	33	6.7	36	7.6
	Assault by firearm discharge	16	3.0*	14	2.7*	15	3.0*	19	3.9*	22	4.6
	Total Intentional self-harm (suicide)	140	26.4	148	28.6	143	28.4	140	28.6	138	29.1
	Suicide by firearm discharge	84	15.8	87	16.8	83	16.5	84	17.2	81	17.1
	Total Unintentional injuries (accidents)	363	68.4	341	65.9	309	61.3	327	66.8	330	69.6
	Accidental firearm discharge	1	**	2	**	2	**	1	**	1	**
55-64	Total Assault (homicide)	25	5.4	32	6.7	26	5.3	30	6.1	31	6.3
	Assault by firearm discharge	13	2.8*	18	3.8*	14	2.9*	14	2.8*	13	2.6*
	Total Intentional self-harm (suicide)	94	20.2	96	20.0	100	20.5	105	21.3	115	23.2
	Suicide by firearm discharge	68	14.6	70	14.6	68	13.9	68	13.8	77	15.6
	Total Unintentional injuries (accidents)	265	56.8	273	57.0	302	61.9	293	59.4	327	66.1
	Accidental firearm discharge	1	**	1	**	1	**	1	**	1	**

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871

Intentional self-harm (suicide): U03, X60-X84, Y870

Unintentional injuries: V01-X59, Y85-Y86

2. Events per 100,000 population.

3. Events per 100,000 population, age adjusted to year 2000 standard population.

4. Years per 100,000 population under 75 years old.

5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.

\* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





Alaska Resident Violent Death and Unintentional Injury - Firearm-Related Causes by 5 Year Interval and Age Group (2010-2018)

		2010-2	014	2011-2	015	2012-2	2016	2013-2	2017	2014-	2018
Age Group	Cause of Death <sup>1</sup>	Deaths	Age Specific Rate <sup>2</sup>								
65+	Total Assault (homicide)	13	4.1*	15	4.5*	14	3.9*	16	4.3*	13	3.3*
	Assault by firearm discharge	3	**	4	**	4	**	8	2.1*	8	2.0*
	Total Intentional self-harm (suicide)	62	19.6	59	17.6	59	16.6	69	18.4	73	18.5
	Suicide by firearm discharge	57	18.0	55	16.4	52	14.6	61	16.2	61	15.4
	Total Unintentional injuries (accidents)	318	100.6	337	100.3	374	105.0	405	107.9	422	106.8
	Accidental firearm discharge	1	**	1	**	1	**	1	**	1	**

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86
- 2. Events per 100,000 population.
- 3. Events per 100,000 population, age adjusted to year 2000 standard population.
- 4. Years per 100,000 population under 75 years old.
- 5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.
- \* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





Alaska Resident Violent Death and Unintentional Injury - Firearm-Related Causes by 5 Year Interval and Public Health Area (2010-2018)

		2010-2	014	2011-2	2015	2012-2	2016	2013-2	2017	2014-	2018
Regional Area	Cause of Death <sup>1</sup>	Deaths	Age Adjusted Rate³	Deaths	Age Adjusted Rate³	Deaths	Age Adjusted Rate <sup>3</sup>	Deaths	Age Adjusted Rate <sup>3</sup>	Deaths	Age Adjusted Rate <sup>3</sup>
Anchorage Munic.	Total Assault (homicide)	85	5.4	92	5.8	107	6.7	126	8.1	136	8.8
	Assault by firearm discharge	45	2.8	51	3.1	69	4.3	85	5.5	101	6.6
	Total Intentional self-harm (suicide)	280	18.4	302	19.8	329	21.4	330	21.4	328	21.3
	Suicide by firearm discharge	164	11.0	182	12.0	200	13.0	205	13.4	197	12.8
	Total Unintentional injuries (accidents)	642	47.1	653	47.2	657	47.7	690	49.3	709	50.4
	Accidental firearm discharge	5	**	4	**	5	**	5	**	5	**
<b>Gulf Coast Region</b>	Total Assault (homicide)	11	2.8*	12	3.0*	12	3.0*	11	2.7*	11	3.1*
	Assault by firearm discharge	8	2.2*	11	2.9*	11	2.9*	9	2.3*	8	2.2*
	Total Intentional self-harm (suicide)	102	25.0	107	26.8	108	27.1	108	26.7	111	27.5
	Suicide by firearm discharge	75	18.3	80	19.8	73	18.0	73	17.7	72	17.7
	Total Unintentional injuries (accidents)	211	55.6	224	57.3	246	62.8	236	60.7	230	55.9
	Accidental firearm discharge	0	**	1	**	1	**	1	**	1	**
Interior Region	Total Assault (homicide)	29	4.5	37	5.9	40	6.6	52	9.0	54	9.5
	Assault by firearm discharge	16	2.5*	20	3.2	24	3.8	29	4.9	32	5.5
	Total Intentional self-harm (suicide)	119	20.7	120	21.1	128	22.3	139	24.6	142	25.0
	Suicide by firearm discharge	86	15.1	88	15.7	92	16.1	98	16.9	100	17.2
	Total Unintentional injuries (accidents)	282	55.5	283	55.6	297	57.2	301	58.7	300	58.0
	Accidental firearm discharge	2	**	3	**	5	**	3	**	3	**

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86

2. Events per 100,000 population.

3. Events per 100,000 population, age adjusted to year 2000 standard population.

4. Years per 100,000 population under 75 years old.

5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.

\* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





Alaska Resident Violent Death and Unintentional Injury - Firearm-Related Causes by 5 Year Interval and Public Health Area (2010-2018)

		2010-2	014	2011-2	2015	2012-2	2016	2013-2	2017	2014-	2018
Regional Area	Cause of Death <sup>1</sup>	Deaths	Age Adjusted Rate³	Deaths	Age Adjusted Rate³	Deaths	Age Adjusted Rate <sup>3</sup>	Deaths	Age Adjusted Rate <sup>3</sup>	Deaths	Age Adjusted Rate <sup>3</sup>
Mat-Su Borough	Total Assault (homicide)	29	6.1	29	6.1	31	6.6	30	6.3	29	6.2
	Assault by firearm discharge	19	3.9*	19	3.9*	22	4.7	24	5.0	23	4.9
	Total Intentional self-harm (suicide)	87	18.9	89	18.8	97	20.5	112	23.7	114	23.6
	Suicide by firearm discharge	65	14.2	66	13.9	68	14.4	75	15.7	76	15.6
	Total Unintentional injuries (accidents)	262	63.6	259	62.2	262	61.3	276	63.0	270	60.2
	Accidental firearm discharge	1	**	1	**	1	**	0	**	0	**
Northern Region	Total Assault (homicide)	7	5.2*	9	6.0*	11	8.2*	14	10.6*	17	12.2*
	Assault by firearm discharge	2	**	4	**	7	5.0*	9	6.8*	10	7.3*
	Total Intentional self-harm (suicide)	66	48.9	68	49.7	66	46.5	70	50.2	74	52.5
	Suicide by firearm discharge	38	29.0	41	30.9	39	27.5	42	30.1	42	30.4
	Total Unintentional injuries (accidents)	84	76.0	86	75.7	84	71.4	96	83.2	111	98.4
	Accidental firearm discharge	2	**	2	**	2	**	2	**	3	**
Southeast Region	Total Assault (homicide)	9	2.6*	10	2.8*	9	2.5*	14	3.7*	15	3.8*
	Assault by firearm discharge	4	**	4	**	4	**	7	1.9*	7	1.9*
	Total Intentional self-harm (suicide)	67	19.1	63	17.2	61	16.6	68	18.2	75	20.1
	Suicide by firearm discharge	50	14.5	40	11.1	37	10.1	42	11.1	45	11.7
	Total Unintentional injuries (accidents)	180	50.0	174	47.6	178	48.7	193	53.9	204	56.2
	Accidental firearm discharge	2	**	3	**	4	**	3	**	3	**

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86

2. Events per 100,000 population.

3. Events per 100,000 population, age adjusted to year 2000 standard population.

4. Years per 100,000 population under 75 years old.

5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.

\* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.





Alaska Resident Violent Death and Unintentional Injury - Firearm-Related Causes by 5 Year Interval and Public Health Area (2010-2018)

Regional Area	Cause of Death <sup>1</sup>	2010-2014		2011-2015		2012-2016		2013-2017		2014-2018	
		Deaths	Age Adjusted Rate <sup>3</sup>								
Southwest Region	Total Assault (homicide)	27	13.5	26	12.8	23	10.5	25	11.2	23	10.5
	Assault by firearm discharge	11	5.1*	8	3.5*	6	2.7*	8	3.6*	8	3.7*
	Total Intentional self-harm (suicide)	89	41.2	99	45.5	109	50.0	103	46.5	98	43.3
	Suicide by firearm discharge	59	27.9	57	26.8	58	27.3	53	24.7	43	19.0
	Total Unintentional injuries (accidents)	182	91.7	188	98.5	188	101.1	188	99.4	197	109.4
	Accidental firearm discharge	2	**	3	**	3	**	5	**	4	**

Data Accessed: 01/16/2020 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

- 1. Defined by the following underlying cause of death ICD-10 codes: Assault (homicide): U01-U02, X85-Y09X, Y871
- Intentional self-harm (suicide): U03, X60-X84, Y870
- Unintentional injuries: V01-X59, Y85-Y86
- 2. Events per 100,000 population.
- 3. Events per 100,000 population, age adjusted to year 2000 standard population.
- 4. Years per 100,000 population under 75 years old.
- 5. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.
- \* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.

