

Fire Losses from Children & Youth Playing with Fire, Alberta 2000 - 2009

Year	Fires	Deaths	Injuries	\$ Losses
2000	133	0	26	3,080,312
2001	148	2	15	3,297,110
2002	111	0	10	1,993,066
2003	53	0	7	1,592,353
2004	84	0	26	2,342,028
2005	46	2	9	1,657,881
2006	41	0	8	2,010,307
2007	38	0	5	1,552,979
2008	55	0	6	2,063,111
2009	21	0	2	1,464,542
Total	730	4	114	21,053,689

Child and youth fire-play resulted on average 73 fires, 0.4 deaths, 11 injuries and \$2.1M in property damage per year.

Fire Losses from Children Playing with Fire, by Age Category, Alberta 2000 - 2009

Children & Youth by Age Category	Fires	Deaths	Injuries	\$ Losses
Child age unknown	409	2	57	9,029,625
Child 11 & under	220	2	46	8,471,001
Youth 12-17 yrs.	101	0	11	3,553,063
Total	730	4	114	21,053,689

Fire Losses from Children Playing with Fire, by Year & Fire Deaths, Alberta 2000 – 2009

Year	Fires	Death-Child	Death – Women	Death – Men	Total Deaths	Injuries	\$ Losses
2000	133	0	0	0	0	26	3,080,312
2001	148	2	0	0	2	15	3,297,110
2002	111	0	0	0	0	10	1,993,066
2003	53	0	0	0	0	7	1,592,353
2004	84	0	0	0	0	26	2,342,028
2005	46	1	1	0	2	9	1,657,881
2006	41	0	0	0	0	8	2,010,307
2007	38	0	0	0	0	5	1,552,979
2008	55	0	0	0	0	6	2,063,111
2009	21	0	0	0	0	2	1,464,542
Total	730	3	1	0	4	114	21,053,689

Nearly 20% of all child fire deaths were in fires started by children, 11 years and under.

Fire Losses from All Fires, Alberta 2000 - 2009

Year	Fires	Death-Child	Death – Women	Death – Men	Total Deaths	Injuries	\$ Losses
2000	6,457	1	8	18	27	341	158,724,441
2001	7,021	4	15	24	43	393	229,231,932
2002	5,994	2	8	21	31	307	272,588,413
2003	5,647	0	6	17	24	323	348,481,771
2004	5,140	2	8	17	27	291	202,740,018
2005	5,197	3	8	26	38	247	450,243,320
2006	5,139	3	11	20	35	236	215,303,101
2007	5,310	0	4	19	23	212	333,256,887
2008	5,706	0	10	21	33	244	389,473,757
2009	5,253	1	9	18	28	208	517,020,046
Total	56,864	16	87	201	309	2,802	3,117,063,686

Fire Losses from Children Playing with Fire, by Sources of Ignition, Alberta 2000 - 2009

Sources of Ignition	Fires	%	Deaths	Injuries	\$ Losses
Lighter	211	29	0	46	7,061,258
Match	139	19	0	23	2,851,721
Match/Lighter Cannot Be Determined	70	10	2	11	2,691,445
Match/Lighter (Not With Smoking)	61	8	1	9	2,779,607
Exposure From Detached Structure Fire	55	8	0	0	1,279,449
Candle, Taper	39	5	0	15	699,313
Exposure From Grass/Shrub/Brush Fire	35	5	0	0	90,819
Exposure Unclassified/Unknown	20	3	0	0	266,906
Stove/Top Burner (other circumstances)	11	2	1	2	272,012
Exposure From 'Open' Rubbish/Camp Fire	11	2	0	0	23,445
Central Heating Unit, Furnace/Boiler	10	1	0	0	140,417
Igniting Object-Unknown	9	1	0	1	523,083
Smoker's Material/Open Flame-Unclass.	8	1	0	1	53,561
Exposure From Forest/Trees Fire	6	1	0	0	5,501
Service Water Heater	5	1	0	1	258,442
Misc. Igniting Object-Unclassified	4	1	0	2	800,600
Torch, Other Than Cutting, Welding	4	1	0	1	52,301
Sparklers	3	0	0	0	3,450
Incandescent Lamp/Light-bulb/Heat Lamp	3	0	0	1	75,300
Smoker's Material Cannot Be Determined	3	0	0	1	173,500
Fireworks	3	0	0	0	2,300
Fireplace	2	0	0	0	2,800
Shop Goods/Family Fireworks	2	0	0	0	8,174
Exposure From Attached Structure Fire	2	0	0	0	302,000
Stationary Space/Room Heater	2	0	0	0	431,550
Oven Of Stove/Range	1	0	0	0	6,888
Low Voltage Wiring	1	0	0	0	101
Cooking Equipment-Unclassified	1	0	0	0	3,000
Portable Food Warming Appliance (steam table, warming drawer)	1	0	0	0	200
Other Cooking Unit, Portable	1	0	0	0	100
Appliances/Equipment-Unclassified	1	0	0	0	100,000
Lawnmower	1	0	0	0	150

Open Fired Broiler, Portable (Barbeque)	1	0	0	0	1
Bar-B-Q Starter	1	0	0	0	32,095
Smoker's Material	1	0	0	0	200
Toaster, Waffle Iron	1	0	0	0	2,000
Hot Ashes/Embers (Not From Smoking)	1	0	0	0	60,000
Total	730	100	4	114	21,053,689

Approximately 70% of fire started by children and youth playing with fire involved lighters and matches.

Fire Losses from Children Playing with Fire, by Month, Alberta 2000 - 2009

Month	Fires	%	Deaths	Injuries	\$ Losses
JAN	55	8	2	11	1,669,857
FEB	37	5	0	10	1,554,080
MAR	92	13	1	15	2,817,909
APR	84	12	0	8	1,833,344
MAY	97	13	0	9	2,008,634
JUN	65	9	0	14	2,433,273
JUL	52	7	0	7	1,071,409
AUG	65	9	0	7	2,663,871
SEP	57	8	1	9	1,276,966
OCT	50	7	0	7	1,012,739
NOV	46	6	0	13	1,637,507
DEC	30	4	0	4	1,074,100
Total	730	100	4	114	21,053,689

Frequency of fire-play fires was highest during March, April and May.

Fire Losses from Children Playing with Fire, by Property Class, Alberta 2000 - 2009

Property Class	Fires	%	Deaths	Injuries	\$ Losses
Residential	438	60	4	94	19,842,342
Non Residential	292	40	0	20	1,211,347
Total	730	100	4	114	21,053,689

60% of child & youth fire-play fires occur in residential properties.

Fire Losses from Children Playing with Fire, by Month & Property Class, Alberta 2000 - 2009

Property Class	Month	Fires	%	Deaths	Injuries	\$ Losses
Non Residential	JAN	10	3	0	0	63,433
	FEB	7	2	0	0	106,752
	MAR	43	15	0	3	74,481
	APR	42	14	0	1	270,012
	MAY	57	20	0	7	115,394
	JUN	23	8	0	3	140,420
	JUL	18	6	0	1	96,856
	AUG	30	10	0	0	219,477
	SEP	25	9	0	2	75,652
	OCT	20	7	0	2	41,528
	NOV	14	5	0	1	6,542
	DEC	3	1	0	0	800
	Sub Total	292	100	0	20	1,211,347
Residential	JAN	45	10	2	11	1,606,424
	FEB	30	7	0	10	1,447,328
	MAR	49	11	1	12	2,743,428
	APR	42	10	0	7	1,563,332
	MAY	40	9	0	2	1,893,240
	JUN	42	10	0	11	2,292,853
	JUL	34	8	0	6	974,553
	AUG	35	8	0	7	2,444,394
	SEP	32	7	1	7	1,201,314
	OCT	30	7	0	5	971,211
	NOV	32	7	0	12	1,630,965
	DEC	27	6	0	4	1,073,300
	Sub Total	438	100	4	94	19,842,342
Total		730	100	4	114	21,053,689