



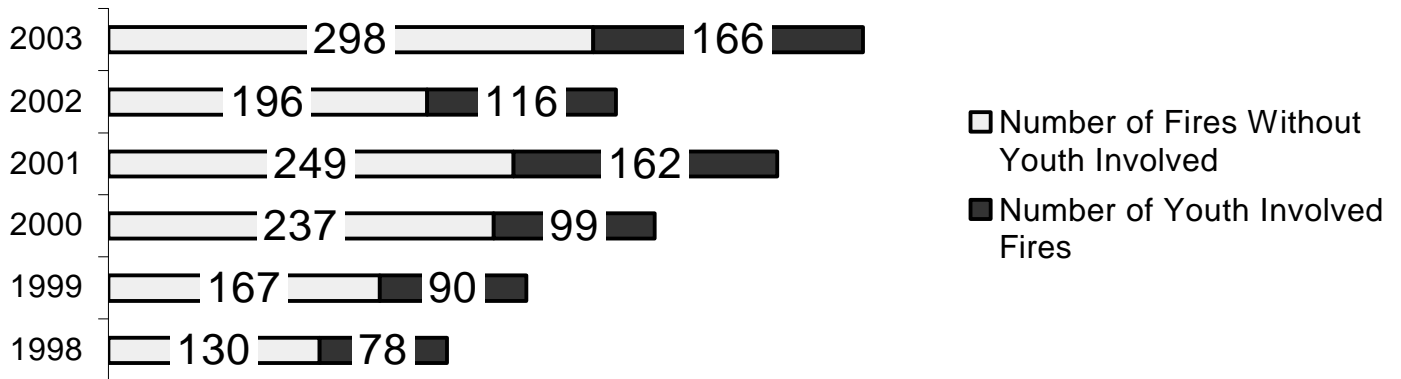
OFFICE OF STATE FIRE MARSHAL

DEPARTMENT OF STATE POLICE

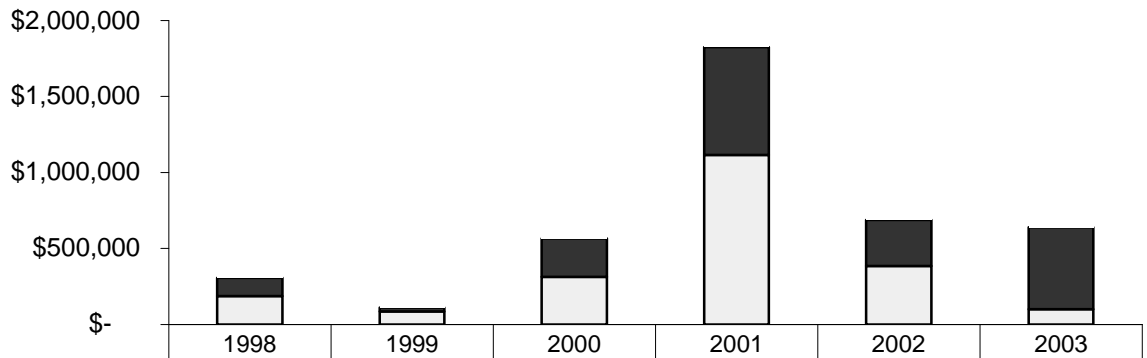
2003 FIREWORKS RELATED FIRES AND INJURIES

The 464 fireworks-related fires reported for the year 2003 was 49% higher than the 311 fireworks-related fires reported for the year 2002. Of the fireworks-related fires, 89.4% occurred from June 1 through July 31, 2003. The Fireworks-related fires resulted in an estimated dollar loss of \$639,174. Youths, 17 years or younger, caused 166 or 36% of the 464 fireworks-related fires. This same age group was responsible for \$540,381 or 84.5% of the total estimated dollar loss.

Fireworks-Related Fires by Year



Fireworks-Related Fire Estimated Loss



	1998	1999	2000	2001	2002	2003
Total Dollar Loss	\$305,471	\$108,735	\$565,045	\$1,825,417	\$688,570	\$639,174
■ Youth Involved Dollar Loss	\$119,355	\$25,385	\$252,460	\$712,285	\$304,365	\$540,381
□ Dollar Loss Without Youth Involved	\$186,116	\$83,350	\$312,585	\$1,113,132	\$384,205	\$98,793

Fireworks-Related Injuries from June 1, 2003 through July 20, 2003

Oregon's hospital emergency departments and immediate-care clinics were surveyed for fireworks-caused injuries for the period from June 1, 2003 to July 20, 2003. They reported the following:

Type of Fireworks Devices Involved in 64 Incidents Reported by Emergency Departments and Immediate-Care Clinics			
Status	Classification	Type of Device	Number of Incidents
Legal	Unclassified - 1.4S	Snake	1
		Sparkler (wire core)	9
Legal	Retail - 1.4G	Ground Bloom Flower	2
		Base Fountain	7
		Cone Fountain	1
		Handle Fountain	2
		Sparkler (wood core)	3
		Unknown	4
		Legal Subtotal	29
Illegal	Class C Limited - 1.4G	Bottle Rocket	2
		Mortars	1
		Aerial Spinners/Bees/Helicopters	1
		Roman Candle	3
		Sky Rocket (w/stick)	2
		Regular Firecracker	1
		Small Fire Cracker	3
		Unknown	3
Illegally Manufactured	Explosive Devices	Explosive Device (Silver Salute, M-100)	2
		Ash Can (M-80)	3
		Cherry Bomb (Red)	1
		Unknown: Probably Homemade	6
		Unknown: Probably Explosive Device	2
		Illegal Subtotal	30
Unknown	Unknown	Unknown: Probably Unclassified	4
		Unknown/Unreported	1
		Unknown Subtotal	5
		Grand Total	64

Of the 29 legal devices, 10 of these devices are unclassified and can be sold year round in Oregon without a permit. Wire Core Sparklers caused 9 or 31% of the incidents, followed by Base Fountain at 7 incidents or 24%.

The percentage of sparkler related incidents in 2003 remained the same as in 2002, at 41%. In 2003, 19% of the total incidents were sparkler related, compared with 22.9% in 2002, 15.6% in 2001, 17.7% in 2000, 0.3% in 1999, 13.6% in 1998, 9.5% in 1997 and 7.5 % in 1996.

Illegal fireworks were the cause of 16 incidents or 25% and 14 illegally manufactured explosive devices were responsible for another 22.5% of the incidents. While illegally manufactured explosive devices are not to be confused with fireworks, they are used during the same time as fireworks, so they have been

included. Legal fireworks were responsible for 29 or 46.8%. Unidentified fireworks devices caused the remaining 5 incidents.

**Type of Injury Cause by Fireworks in 64 Incidents
Reported by Emergency Departments and Immediate-Care Clinics**

Type of Injury	Status of Fireworks			Grand Total
	Legal	Illegal	Unknown	
Burn (1st Degree)	6	3	2	11
Burn (2nd Degree)	11	10	4	25
Abrasion	0	1	0	1
Laceration	2	1	4	7
Eye Injury	2	5	1	8
Hearing Loss	0	1	0	1
Unreported	8	3	0	11
Grand Total	29	24	11	64

**Body Parts Injured by Fireworks in 64 Incidents
Reported by Emergency Departments and Immediate-Care Clinics**

Body Part	Status of Fireworks			Grand Total
	Legal	Illegal	Unknown	
Arm	0	3	0	3
Ears	3	0	0	3
Eyes	4	5	1	10
Face (except eyes)	1	1	3	5
Fingers	4	5	2	11
Foot	5	0	0	5
Hands (except finger)	5	5	1	11
Leg	1	1	0	2
Neck	2	1	0	3
Torso	1	2	1	4
Unreported	4	3	0	7
Grand Total	30	26	9	64

**Age of Fireworks-Injured Person in 64 Incidents
Reported to Emergency Departments and immediate-Care Clinics**

Age	Status of Fireworks			Grand Total
	Legal	Illegal	Unknown	
0-5 years	8	1	1	10
6-9 years	1	3	1	5
10-12 years	3	1	3	7
13-14 years	2	5	0	7
15-17 years	2	5	1	8
18 years and older	11	10	3	24
Unreported	2	1	0	3
Grand Total	29	26	9	64