



Oregon Office of State Fire Marshal

# Juveniles and Fire in Oregon 2010-2011

**Demographics:**

<b>JUVENILES INVOLVED WITH FIRE DEMOGRAPHICS</b>	
<b>2010-2011</b>	
<b>Percent</b>	
80%	Male
15%	Female
5%	Unknown
24%	Under age 10
68%	Ages 10 and older
7%	Unknown
30%	Living in Single Parent Family
27%	Living with Biological Parents
11%	Living in a Step Family
6%	Living with Extended Family, including multigenerational
4%	Living with Biological Parent with Significant Other
3%	Living in Foster Family
2%	Living with other Family Type
17%	Unknown
66%*	Had no previous firesets
30%*	Had between 1 and 5 previous firesets
4%*	Had 6 or more previous firesets

\* Based on self-reported answers to interview questions

The preceding table illustrates several points about juveniles involved with fire in Oregon in 2010 and 2011:

- The large majority are male (80%)
- Nearly 70% of juveniles involved with fire in Oregon are ages 10 to 17.
- Nearly 2/3 of juveniles involved with fire in Oregon have no record of previous firesetting.
- There exists a wide variety of family types among juvenile firesetters in Oregon with the traditional nuclear family, consisting of two biological parents, being the case in only 27% of incidents.

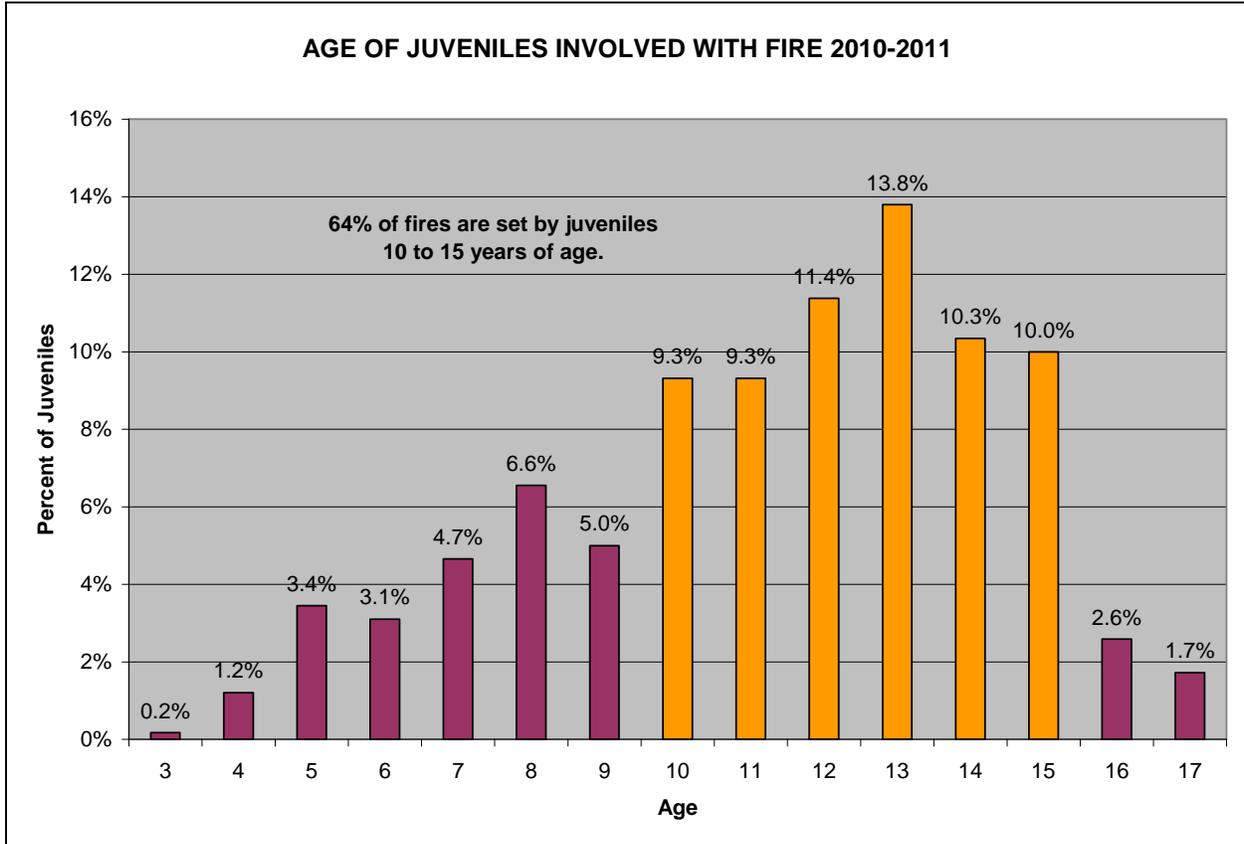
**Totals:**

<b>Juveniles per Year</b>		
<b>2010</b>	<b>2011</b>	<b>Total</b>
305	275	580

<b>Incidents per Year</b>		
<b>2010</b>	<b>2011</b>	<b>Total</b>
208	196	404

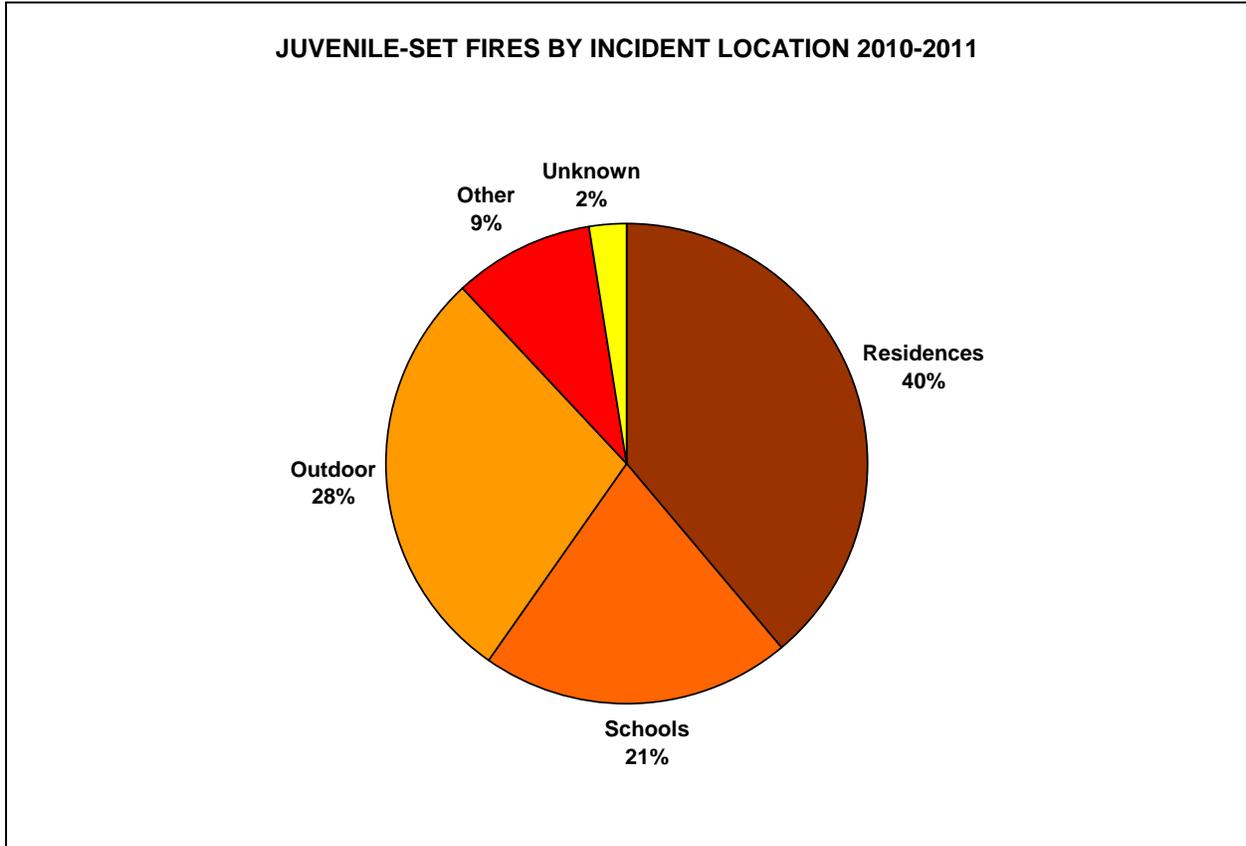
The preceding chart shows the total numbers of juveniles and incidents for 2010 and 2011. The average number of juveniles per incident is 1.44.

## Age Data:



The preceding graph illustrates how nearly 2/3 of juvenile firesetters in Oregon during 2010 and 2011 are in the age range of 10 to 15, with a very noticeable decline occurring after age 15.

**Incident Location:**



The preceding chart illustrates the distribution of juvenile-set fires by location in Oregon during 2010 and 2011. Approximately 60% of incidents occur either at homes or in schools.

**Item First Ignited:**

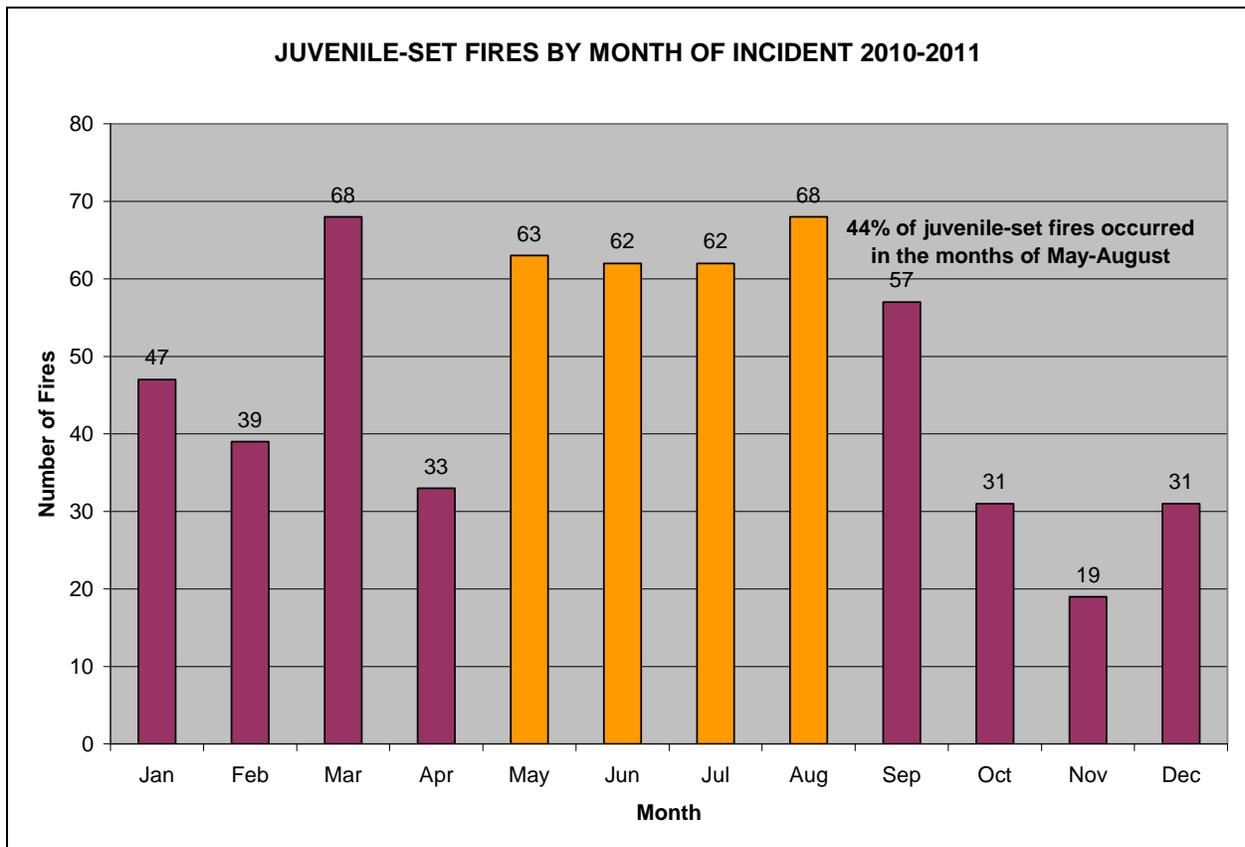
<b>2010-2011 JUVENILE-SET FIRES</b>		
<b>Item First Ignited</b>	<b>Total</b>	<b>Percent</b>
Vegetation - not crop, including grass and trees	78	13%
Magazine, newspaper, writing paper	74	13%
Rubbish, trash, waste	46	8%
Rolled, wound material (paper and fabrics)	34	6%
Bedding; blanket, sheet, comforter	29	5%
Organic Materials	19	3%
Toy, game	19	3%
Box, carton, bag, basket, barrel	18	3%
Pyrotechnics, explosives	17	3%
Atomized liquid, vaporized liquid, aerosol	12	2%
Other	165	28%
Unknown	69	12%
<b>Total</b>	<b>580</b>	<b>100%</b>

**Ignition Source:**

2010-2011 JUVENILE-SET FIRES		
Reported Ignition Source	Total	Percent
Lighters	383	66%
Matches	102	18%
Fireworks	12	2%
Candle	9	2%
Other	34	6%
Unknown	40	7%
Total	580	100%

The preceding chart illustrates the reported ignition source for juvenile set fires in Oregon during 2010 and 2011, with the large majority (84%) having either a lighter or matches as the reported ignition source.

**By Month:**



The preceding graph illustrates that 44% of juvenile-set fires in Oregon during 2010 and 2011 occurred during the months of May through August.

### Screening Tool Interviews:

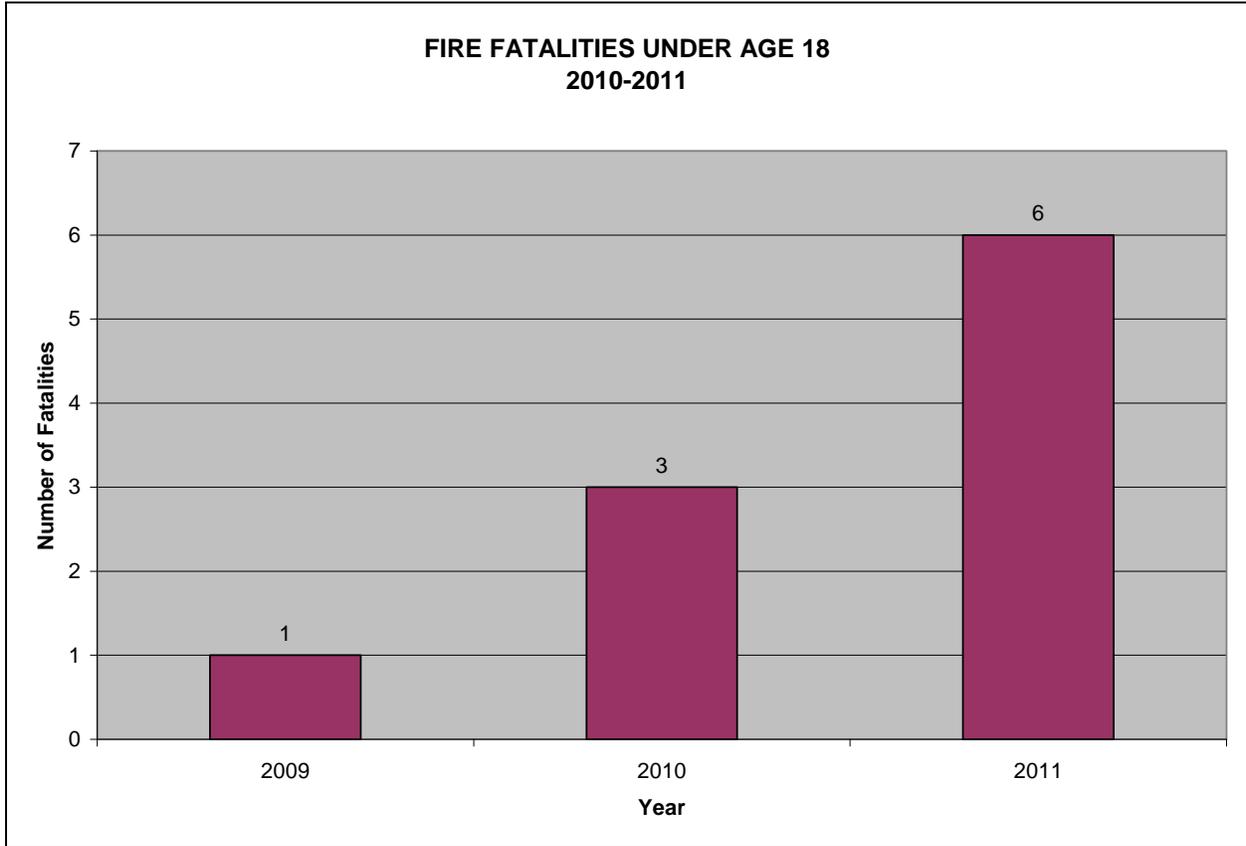
<b>Screening Tool Interviews 2010-2011</b>		
	<b>Number Administered</b>	<b>Average Score</b>
<b>Parent Screening Tool</b>	316	15.4
<b>Youth Screening Tool</b>	327	21.1

### Incident Disposition:

<b>2010-2011 JUVENILE-SET FIRES</b>		
<b>Disposition of Incident</b>	<b>Total</b>	<b>Percent</b>
Provided Fire Safety Education	173	30%
Referred to firesetter intervention program	52	9%
Handled within department	49	9%
Referred to other authority	40	7%
Referred to treatment/counseling program	33	6%
Released to parent or guardian	24	4%
Family Refused Service	25	4%
Cited By Law Enforcement	18	3%
Other	12	2%
Unknown	154	27%
<b>Total</b>	<b>580</b>	<b>100%</b>

The preceding chart describes the disposition of incidences of juvenile-set fires in Oregon for 2010 and 2011.

**Fatalities:**



There has been an increase in the number of fire fatalities in juveniles during the last three years. The causes of the fires in these incidents are detailed in the chart below.

**Cause of Fire in Juvenile Fire Fatalities:**

Year	Age	Cause of Fire	Detector Presence	Detector Operation
2009	4	Undetermined	Present	Detector operated
2010	6	Combustibles too close to heat source	None present	NA
	8	Undetermined	Present	Detector operated
	17	Undetermined	None present	NA
2011	0	Combustibles too close to heat source	Present	Detector failed to operated
	1	Combustibles too close to heat source	Present	Detector failed to operated
	2	Undetermined	Undetermined	NA
	3	Children playing with a lighter	None present	NA
	4	Undetermined	Present	Undetermined
	5	Undetermined	Present	Undetermined

**Fire Departments:**

<b>Fire Departments Providing Data 2010-2011</b>			
<b>Service Name</b>	<b>2010</b>	<b>2011</b>	<b>Total</b>
ALBANY FD	33	34	67
ASHLAND F&R	0	3	3
BAKER CITY FD	0	1	1
BEND FD	22	14	36
BOARDMAN RFPD	2	0	2
CENTRAL CASCADES FIRE & EMS	4	0	4
CENTRAL OREGON COAST F&R	4	0	4
CLACKAMAS CO FIRE DIST #1	0	16	16
CORVALLIS FD	4	0	4
CROOK CO F&R	5	3	8
DALLAS FD	3	2	5
ESTACADA RFD #69	3	0	3
FOREST GROVE F&R	10	3	13
GEARHART VOL FD	0	1	1
GRANTS PASS DEPT PUBLIC SAFETY	4	2	6
HERMISTON FIRE & EMS	5	6	11
HILLSBORO FD	10	7	17
JACKSON CO FD #3	1	0	1
JEFFERSON CO RFPD #1	1	3	4
KEIZER FIRE DIST	18	17	35
KLAMATH CO FIRE DIST #1	4	4	8
LA GRANDE FD	0	2	2
LAKESIDE RFPD	1	0	1
LEBANON FD	2	6	8
LYONS RFPD	2	0	2
MEDFORD FIRE-RESCUE	0	5	5
PENDLETON FIRE & AMB	2	0	2
PORTLAND BUREAU OF F&R&EMS	24	23	47
REDMOND F&R	19	17	36
SALEM FD	22	0	22
SCAPPOOSE RFPD	3	0	3
SIUSLAW VALLEY F&R	1	0	1
SPRINGFIELD FIRE LIFE SAFETY	15	22	37
SW POLK CO RFPD	3	0	3
TUALATIN VALLEY F&R	75	81	156
WINSTON-DILLARD FIRE DIST	1	0	1
WOODBURN FIRE DIST	2	3	5
<b>TOTAL</b>	<b>305</b>	<b>275</b>	<b>580</b>