

FIRES IN TEXAS

Texas Fire Incident Reporting System

2001 Fire Statistics



**State Fire Marshal's Office
Texas Department of Insurance**

January 2003

Published January 2003
Texas Department of Insurance
Jose Montemayor, Commissioner of Insurance
G. Mike Davis, State Fire Marshal
Texas Fire Incident Reporting System
P.O. Box 149221, Mail Code 112-FM, Austin, Texas 78714-9221
(512) 305-7900

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Fires In Texas

This report is a summary of year 2001 fire incidents and other activities reported by fire departments to the State Fire Marshal's Office through the Texas Fire Incident Reporting System (TEXFIRS). I would like to thank all participating fire departments for their hard work and dedication to this program. This report would not be possible without their commitment to the citizens of this state.

This is the twenty-seventh report created from data in the TEXFIRS. It has been published and made available to the public for the purpose of creating and expanding awareness of the fire problem in Texas.

Fire information is requested on a weekly basis by the media, the public, the fire service and the fire protection community. It is used to support legislative initiatives and to guide public fire safety education campaigns. On the local level, this data can be used to support prevention efforts and to justify strategic fire department budget elements, staffing and equipment.

Every fire department is responsible for managing its operations in such a way that firefighters can do the most effective job of fire control and fire prevention. Effective performance requires careful planning, which can only take place if accurate information about fires and other incidents are available. Patterns that emerge from the analysis of incident data can help departments focus on current problems, predict future problems in their communities, and measure their programs' successes.

This year we saw an increase of 12 percent in the number of participating departments. We are still far from having 100 percent participation but we are headed in the right direction. This report is a reflection of the service provided by Texas fire departments. Make it as true and accurate as possible.

The system is constantly being improved and expanded to provide more thorough and accurate data. Your comments and suggestions are always welcome. For information about participating in fire incident reporting, please contact the TEXFIRS section of the State Fire Marshal's Office at the Texas Department of Insurance.

Sincerely,

G. Mike Davis, State Fire Marshal

Texas Department of Insurance
State Fire Marshal's Office – TEXFIRS, Mail Code 112-FM
333 Guadalupe • P. O. Box 149221, Austin, Texas 78714-9221
(512) 305-7900

Contents

All Incidents			1
Introduction	Total Fires 1997-2001	Fire Department Participation	
All Fire Summary	Other Calls	Uses of TEXFIRS	
Fires			5
General Information	Total Fires, Casualties & Dollar Loss by Fire Type	Total Fires, Casualties & Dollar Loss by Month	
Time of Alarm for Type of Fire	Fires Caused by Fireworks		
Outside and Other Fires			11
General Information	Outside and Other Fires 1997-2001	Counties and Outside and Other Fires	
Fire Cause in Outside and Other Fires	Heat Source in Outside and Other Fires		
Vehicle Fires			14
General Information	Fires by Mobile Property Type	Vehicle Fires 1997-2001	
Area of Origin In Vehicle Fires	Heat Source in Vehicle Fires		
Structure Fires			16
General Information	Total Fires, Casualties & Dollar Loss by Structure Type	Structure Fires 1997-2001	
Total Structure Fires by Cause	Counties and Structure Fires	Fire Cause by General Structure Type	
Fire Cause in Residential Structure Fires	Fire Cause in Fatal Residential Structure Fires	Detectors in Residential Structures	
Fire Cause in Public, Mercantile Structure Fires	Fire Cause in Industrial Structure Fires	Area of Origin in Residential Structure Fires	
Area of Origin in Assembly Structure Fires	Area of Origin in Educational Structure Fires	Area of Origin in Mercantile, Business Structure Fires	

Incendiary/Suspicious Fires **28**

General Information	Incendiary/Suspicious All Fires 1997-2001	Alarm Time and Incendiary/Suspicious Structure Fires
Incendiary/Suspicious Structure Fires 1997-2001	Incendiary/Suspicious Residential Structure Fires 1997-2001	Incendiary/Suspicious Vehicle Fires 1997-2001
Incendiary/Suspicious Outside and Other Fires 1997-2001	Heat Source in Incendiary/Suspicious Outside and Other Fires	

Casualties **32**

Introduction	Casualties by Type of Fire	Casualties 1997-2001
Civilian Injuries in All Fires	Civilian Deaths in All Fires	Civilian Injuries in Residential Structure Fires
Civilian Deaths in Residential Structure Fires	Fire Service Injuries and Deaths in All Incidents	Fire Fighter Injuries 1992-2001
Fire Service Injuries by Type of Fire	Fire Service Injuries by Property Use in Structures	Fire Service Fatalities

Fires by County **40**

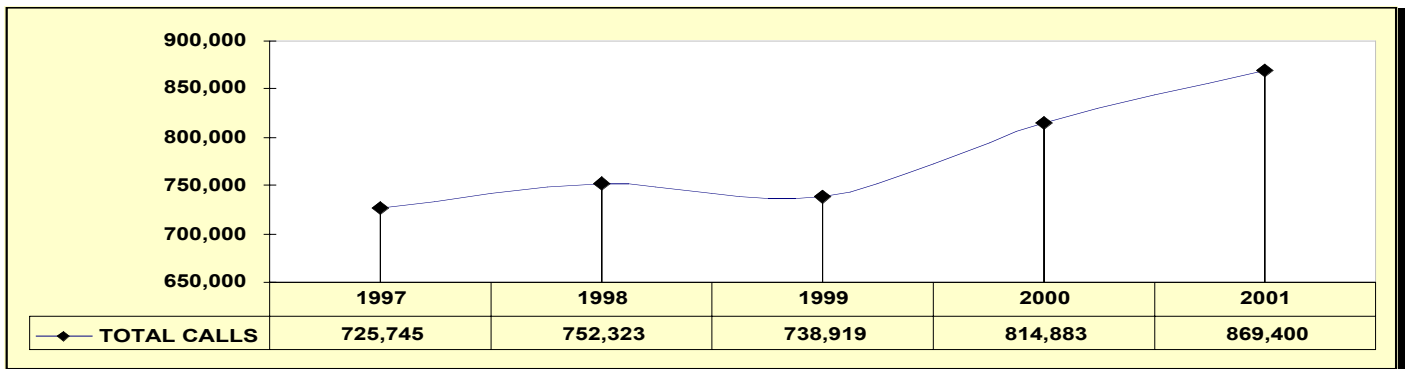
Participating Fire Departments **47**

Five-Year Incident Comparison **52**



All Incidents

This report contains summary information from 622 fire departments for incidents during year 2001, January 1 through December 31. These departments protected 15,859,043 people or approximately 74% of the state's population, according to the latest census estimates. The average population covered by a reporting department was 25,497.

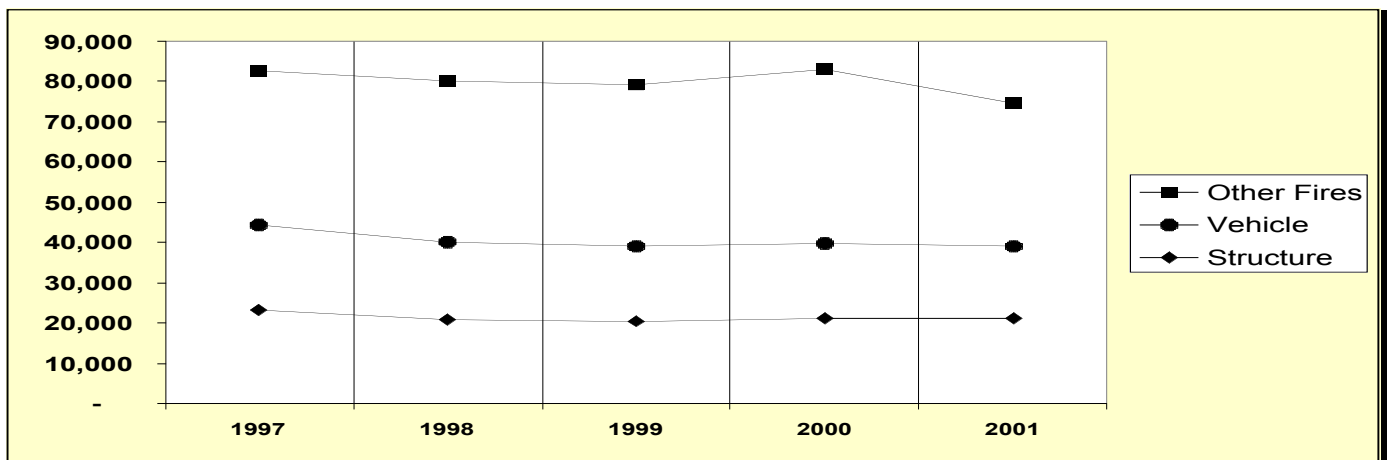


Fire departments reported a total of **869,400 fire and non-fire incidents** during the year, an increase of (7%) or **54,517 incidents**. As a result of changes in the new reporting system, total calls will now include some previously unclassified non-fire incidents in the "All Other Calls" category.

Fires

Type of Fire	1997	1998	1999	2000	2001
Structure	23,034	20,881	20,279	21,134	21,033
Vehicle	21,203	19,230	18,900	18,440	18,118
Outside and Other	<u>38,389</u>	<u>40,137</u>	<u>39,770</u>	<u>43,269</u>	<u>35,463</u>
TOTAL FIRES	82,626	80,248	78,949	82,843	74,614

Fire departments reported a total of **74,614 fires** for this period, a decrease of **8,229** or (10%).



There were **35,463 outside or other types of fires**, a decrease of **7,806** or (18%), **18,118 vehicle fires**, a decrease of **322** or (2%), and **21,033 structure fires**, a slight decrease of **101** or (1%).

There were **121 fire-related fatalities**; 120 civilian and 1 fire fighter. There were **1,258 fire-related injuries**; 863 civilian and 395 fire fighters.

Other Calls

	1997	1998	1999	2000	2001
Overpressure Ruptures	2,046	2,209	2,133	2,883	3,113
Rescue/EMS Calls	328,627	342,719	339,910	380,675	432,331
Hazardous Condition Calls	43,395	43,316	40,566	43,839	49,774
Service Calls	53,197	57,548	54,827	60,596	61,280
Good Intent Calls	90,023	90,155	88,024	97,278	97,104

There was an increase of **(8%)** in **Overpressure Ruptures**, an increase of **(14%)** in **Rescue/EMS Calls**, an increase of **(14%)** in **Hazardous Condition Calls**, an increase of **1%** in **Service Calls**, and a slight decrease **(.2%)** in **Good Intent Calls**.

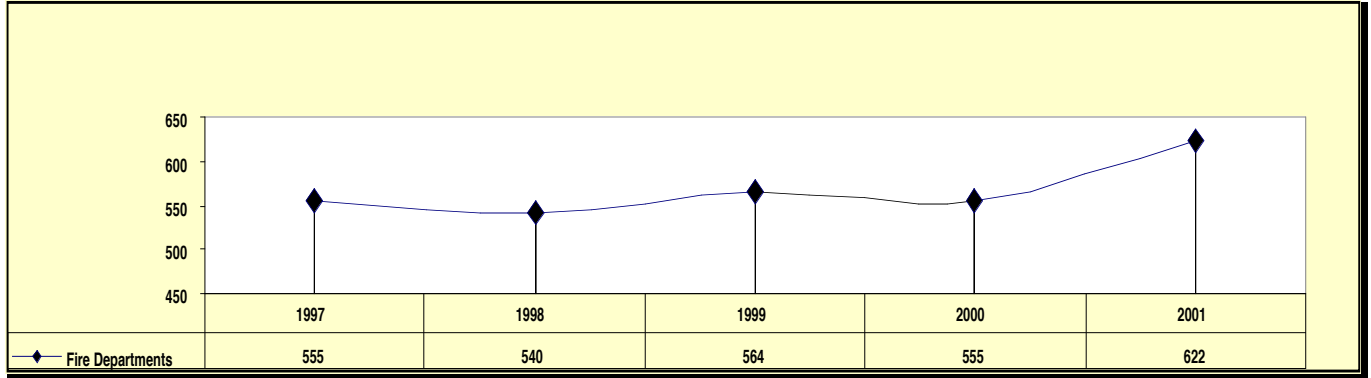
False Calls	1997	1998	1999	2000	2001
Malicious	13,263	13,088	12,366	12,830	13,235
Other False Calls	<u>88,771</u>	<u>91,008</u>	<u>92,775</u>	<u>102,712</u>	<u>106,621</u>
Total False Calls	102,034	104,096	105,141	115,542	119,856

There was an increase of **(4%)** in total **False Calls**.

	1997	1998	1999	2000	2001
Severe Weather and Natural Disaster (new category)				164	436
Mutual Aid Given	15,564	22,183	19,565	19,113	18,867
All Other Calls	8,233	9,849	9,804	11,950	12,025
TOTAL CALLS	725,745	752,323	738,919	814,883	869,400

Fire Department Participation

There was a **12% increase** in fire department participation. The number of departments reporting should be considered when reviewing data comparisons between years.



Dollar Loss

	1997	1998	1999	2000	2001
TOTAL DOLLAR LOSS	\$381,742,405	\$352,395,715	\$376,531,754	\$367,632,909	\$396,384,970

The total dollar loss from these fires was \$396,384,970. Dollar losses represent "best estimates" by fire fighters responding to fire incidents and are used solely for statistical purposes. Some dollar losses for fires were not reported or were reported as "unknown" because lack of time and/or information prohibited the estimation of losses.

Uses of TEXTFIRS

Since 1982, Texas has participated in the collection of fire department incident information through TEXTFIRS, the only statewide uniform system of fire and non-fire incident reporting.

Fire departments use this reporting system to uniformly code incident information. Accurate and complete information about fires and other incidents can provide a fire department with a valuable reference to:

- help allocate limited resources;**
- justify budget needs;**
- review the need for personnel training; and**
- focus the direction of fire education/prevention programs.**

State lawmakers, the press, the general public, insurance companies, and fire service administrators and leaders request TEXTFIRS summary reports.

Texas adopted the National Fire Incident Reporting System, NFIRS 5.0, as the TEXTFIRS reporting system, without modification. This year's *FIRES IN TEXAS* is the second annual report incorporating this new system, Version 5.0. ***Changes in the data collected and categories utilized should be considered when previous years' data are compared or trends are reviewed.***

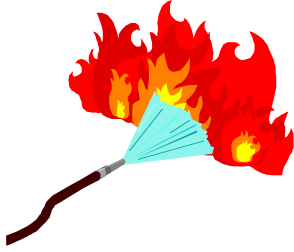
TEXTFIRS/NFIRS data is forwarded to the National Fire Data Center (NFDC) at the U.S. Fire Administration. The NFDC can then compare and contrast statistics from states and large metropolitan departments to:

- develop national public education campaigns;**
- make recommendations for national codes and standards;**
- guide allocation of federal funds;**
- ascertain consumer product failures;**
- identify the focus for research efforts; and**
- support federal legislation.**

NFIRS data is used as the basis for the USFA's publication *Fire in the United States*, which is the single most comprehensive reference on the nature and scope of the fire problem in the United States.

NFIRS data is also used by the

- Consumer Product Safety Commission (CPSC),
- International Association of Fire Chiefs (IAFC),
- International Association of Fire Fighters (IAFF),
- National Association of State Fire Marshals (NASFM),
- National Fire Protection Association (NFPA),
- National Highway Traffic Safety Administration (NHTSA),
- National Volunteer Fire Council (NVFC).



All Fires

This summary report is a statistical presentation of fire incident information submitted by all participating fire departments and should be considered a tool to better understand the fire problem in our state.

The U.S. continues to have one of the highest fire death rates in the industrialized world. Fire kills more Americans than all natural disasters combined. According to the National Fire Protection Association, an estimated 3,745 civilians lost their life to fire in 2001. Nationwide there was a civilian fire death in the home every 170 minutes.

After a 23% increase in the number of fire-related deaths in 2000, Texas realized a 14% decrease in the number of fire-related deaths in 2001.

There were 120 civilian fire deaths in Texas in 2001, 77% occurring in the home. A residential structure fire occurred every 33 minutes. Most civilian deaths (29%) in residential property involved the elderly (aged 65 and over).

There were 74,614 fires reported to TEXFIRS during 2001, a fire every 7 minutes. These fires resulted in 121 deaths, 1,258 injuries and \$396,384,970 in property loss.

Fire department participation in incident reporting increased 12% during the year, with a 10% decrease in the total number of fires reported.

There were 21,033 fires in structures, resulting in 96 deaths, 1,066 injuries and \$322,769,264 in property damage. A structure fire occurred every 25 minutes.

Most structure fires occurred on residential property. Structure fires were responsible for 85% of the injuries and 79% of the deaths in all reported fires.

There were 11,753 incendiary/suspicious fires, resulting in 18 deaths, 141 injuries and \$86,042,069 in property loss. An incendiary/suspicious fire occurred every 45 minutes.

Texas saw a 9% decrease in the number of incendiary/suspicious fires reported and realized a 42% decrease in the number of deaths resulting from these fires.

Incendiary/suspicious fires were responsible for 15% of deaths and 11% of injuries in all fire-related incidents.

Most fires occurred during the month of July.

Most fire-related casualties occurred in June.

Most fires occurred during the hours of 4:01 PM and 8:00 PM.

There were 624 fires determined to be caused by fireworks, an annual decrease of 1%.

Overview of Year 2001 Texas Fires

All Fires

In 2001, there were	74,614 fires,	121 deaths,	1,258 injuries, and	\$396,384,970	in property loss.
Each month, there were	6,218 fires,	10 deaths,	105 injuries, and	\$33,032,081	in property loss.
Each week, there were	1,435 fires,	2 deaths,	24 injuries, and	\$7,622,788	in property loss.
Each day, there were	204 fires,	0 deaths,	3 injuries, and	\$1,085,986	in property loss.
Each hour, there were	9 fires,	0 deaths,	0 injuries, and	\$45,249	in property loss.
Each minute, there were	0.14 fires,	0.00 deaths,	0.00 injuries, and	\$754	in property loss.

A fire occurred approximately every 7 minutes.

Structure Fires

In 2001, there were	21,033 fires,	96 deaths,	1,066 injuries, and	\$322,769,264	in property loss.
Each month, there were	1,753 fires,	8 deaths,	89 injuries, and	\$26,897,439	in property loss.
Each week, there were	404 fires,	2 deaths,	21 injuries, and	\$6,207,101	in property loss.
Each day, there were	58 fires,	0 deaths,	3 injuries, and	\$884,299	in property loss.
Each hour, there were	2 fires,	0 deaths,	0 injuries, and	\$36,846	in property loss.
Each minute, there were	0.04 fires,	0.00 deaths,	0.00 injuries, and	\$614	in property loss.

A fire occurred approximately every 25 minutes.

Residential Fires

In 2001, there were	15,898 fires,	93 deaths,	940 injuries, and	\$200,867,867	in property loss.
Each month, there were	1,325 fires,	8 deaths,	78 injuries, and	\$16,738,989	in property loss.
Each week, there were	306 fires,	2 deaths,	18 injuries, and	\$3,862,844	in property loss.
Each day, there were	44 fires,	0 deaths,	3 injuries, and	\$550,323	in property loss.
Each hour, there were	2 fires,	0 deaths,	0 injuries, and	\$22,930	in property loss.
Each minute, there were	0.03 fires,	0.00 deaths,	0.00 injuries, and	\$382	in property loss.

A fire occurred approximately every 33 minutes.

Incendiary/Suspicious Fires

In 2001, there were	11,753 fires,	18 deaths,	141 injuries, and	\$86,042,069	in property loss.
Each month, there were	979 fires,	2 deaths,	12 injuries, and	\$7,170,172	in property loss.
Each week, there were	226 fires,	0 death,	3 injuries, and	\$1,654,655	in property loss.
Each day, there were	32 fires,	0 deaths,	0 injuries, and	\$235,732	in property loss.
Each hour, there were	1 fire,	0 deaths,	0 injuries, and	\$9,822	in property loss.
Each minute, there were	0.02 fires,	0.00 deaths,	0.00 injuries, and	\$164	in property loss.

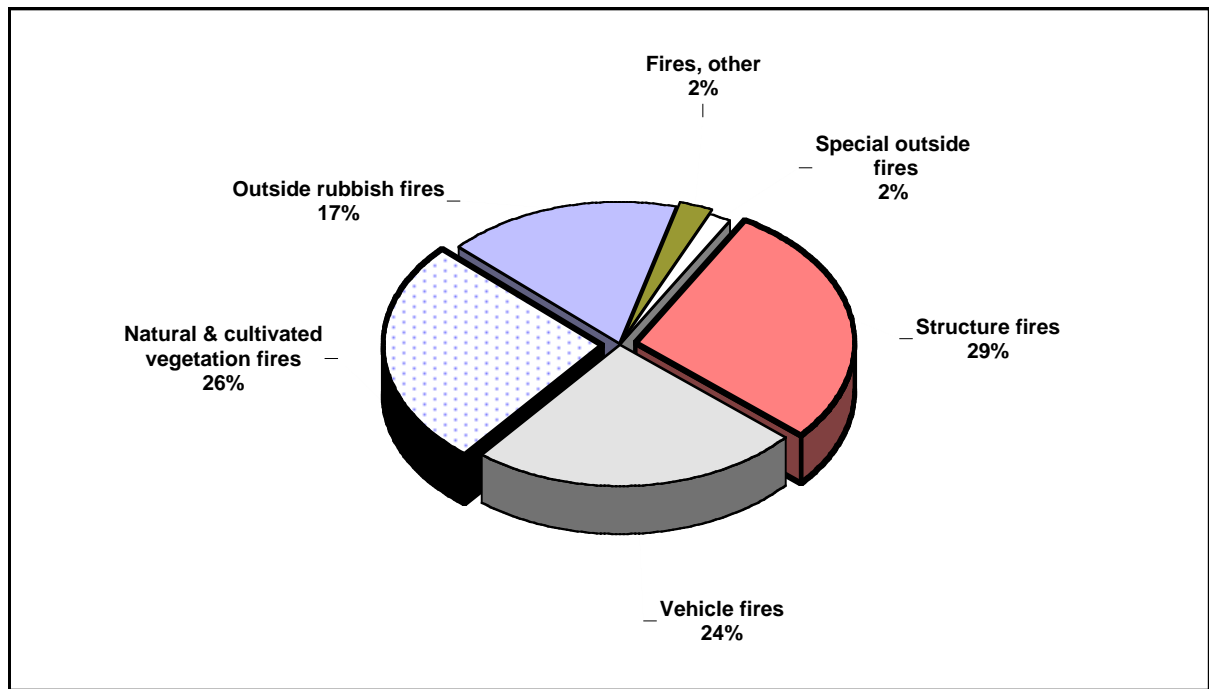
A fire occurred approximately every 45 minutes.

Total Fires, Casualties and Dollar Loss by Fire Type

The following table shows the type of fires and the associated casualties and dollar loss.

Types of Fires	Total Fires	FS Injuries	FS Deaths	Civilian Injuries	Civilian Deaths	Total Casualties	Dollar Loss
Structure fires	21,033	341	1	725	95	1,162	\$322,769,264
Vehicle fires	18,118	16	0	74	23	113	\$62,602,275
Natural & cultivated vegetation fires	19,453	23	0	18	2	43	\$5,517,319
Outside rubbish fire	13,002	6	0	5	0	11	\$476,997
Fire, other	1,752	2	0	17	0	19	\$2,315,035
Special outside fire	1,256	7	0	24	0	31	\$2,704,080
Totals	74,614	395	1	863	120	1,379	\$396,384,970

Types of Fires by Percentage of Total

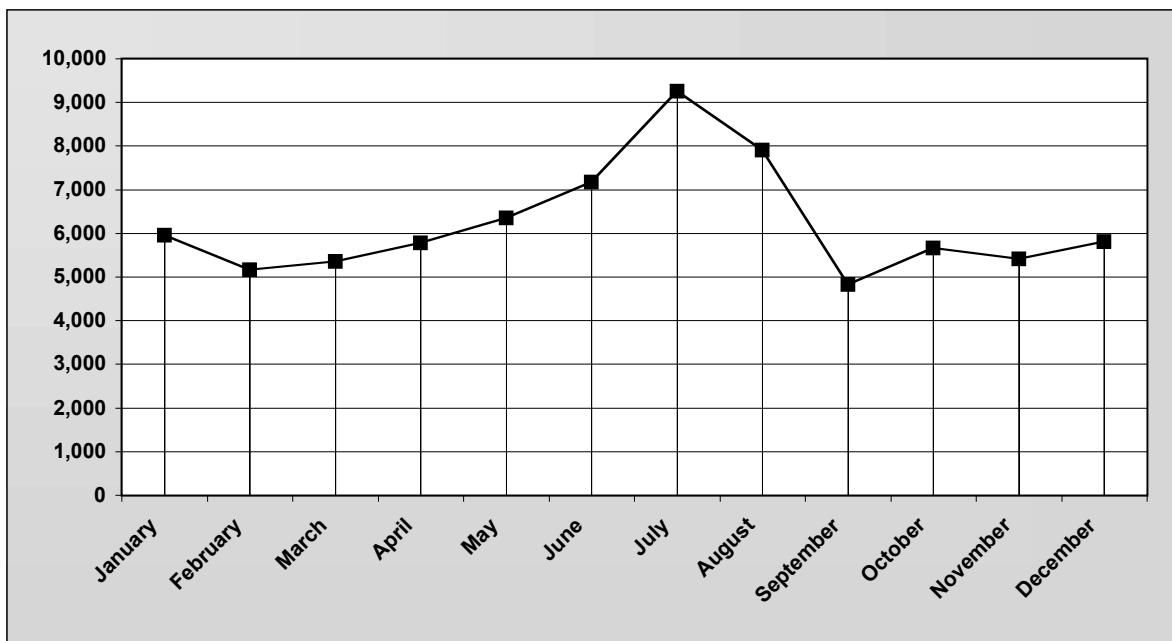


Total Fires, Casualties and Dollar Loss by Month

The following table shows all fires by month, with the associated casualties and dollar loss.

Month	Total Fires	FS Injuries	FS Deaths	Civilian Injuries	Civilian Deaths	Total Casualties	Dollar Loss
January	5,948	39	0	88	15	142	\$31,975,869
February	5,161	32	0	68	12	112	\$34,012,612
March	5,355	20	0	82	4	106	\$26,973,072
April	5,775	13	0	68	8	89	\$26,273,017
May	6,349	35	0	72	8	115	\$30,010,523
June	7,166	52	0	79	13	144	\$51,403,912
July	9,259	61	0	67	11	139	\$34,628,786
August	7,896	43	0	77	4	124	\$43,532,330
September	4,826	26	0	47	9	82	\$26,641,856
October	5,666	21	1	66	10	98	\$30,922,391
November	5,409	21	0	67	12	100	\$29,054,653
December	5,804	32	0	82	14	128	\$30,955,949
Totals	74,614	395	1	863	120	1,379	\$396,384,970

Total Fires by Month



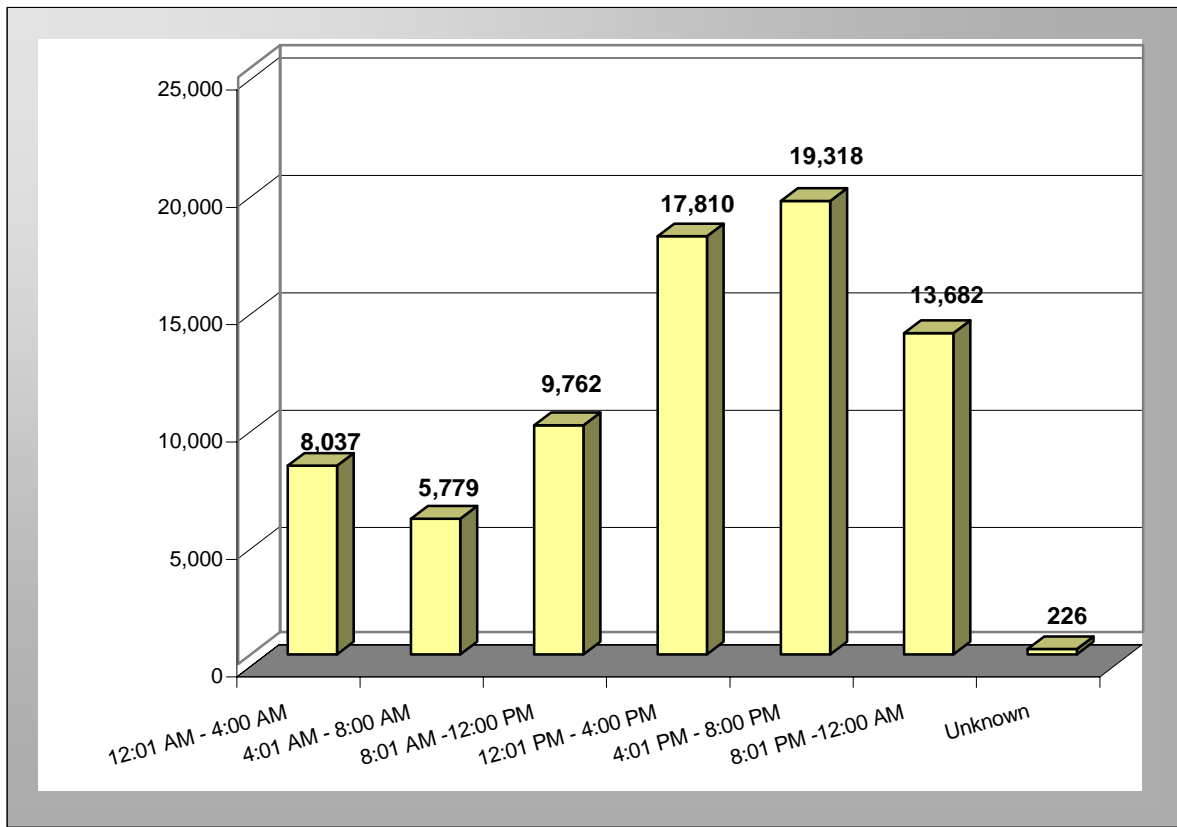
The greatest number of fires, 23%, occurred during the months of **July** and **August**.

Time of Alarm by Type of Fire

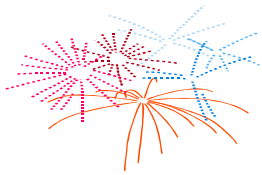
The following table shows the time of alarm for the major categories of fires.

Alarm Time Interval	Total Fires	Structure Fires	Vehicle Fires	Natural & Cultivated Vegetation Fires	Outside Rubbish Fire	Fire, Other	Special Outside Fire
12:01 AM - 4:00 AM	8,037	2,609	2,531	1,160	1,485	138	114
4:01 AM - 8:00 AM	5,779	2,093	1,943	619	883	155	86
8:01 AM - 12:00 PM	9,762	3,198	2,551	2,076	1,452	277	208
12:01 PM - 4:00 PM	17,810	4,345	3,782	6,573	2,454	375	281
4:01 PM - 8:00 PM	19,318	4,957	4,091	5,938	3,569	433	330
8:01 PM - 12:00 AM	13,682	3,771	3,175	3,004	3,128	369	235
Unknown	226	60	45	83	31	5	2
Totals	74,614	21,033	18,118	19,453	13,002	1,752	1,256

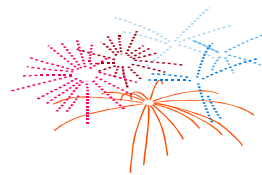
Time of Alarm for All Types of Fires



The greatest number of fires, **50%**, occurred during the hours of **noon to 8:00 PM**.



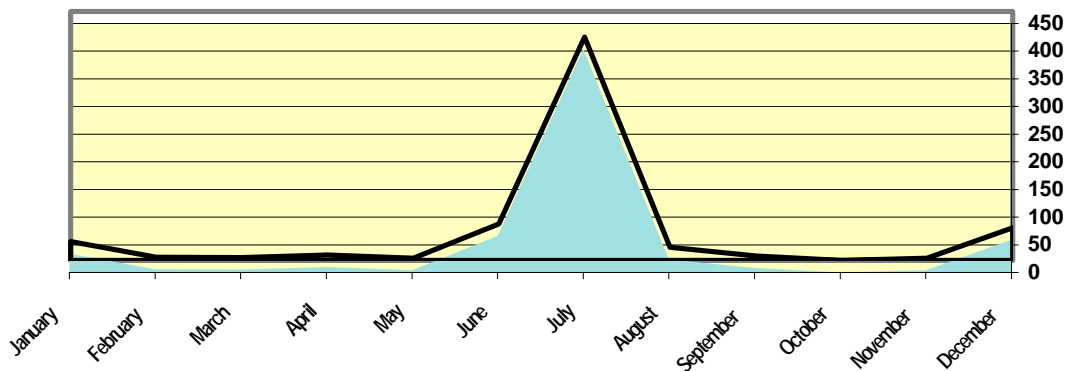
Fires Caused by Fireworks



The following table shows the number of fires caused by fireworks each month along with the associated casualties and dollar loss.

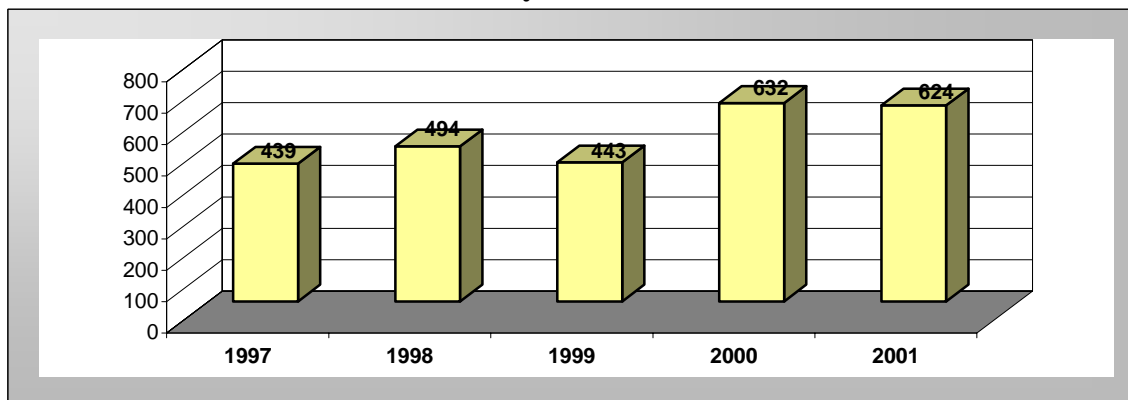
Month	Total Fires	FS Injuries	FS Deaths	Civilian Injuries	Civilian Deaths	Loss
January	34	0	0	0	0	\$47,920
February	6	0	0	0	0	\$500
March	5	0	0	0	0	\$0
April	10	0	0	0	0	\$11,021
May	4	0	0	0	0	\$1,325
June	66	1	0	0	0	\$8,250
July	404	4	0	2	0	\$184,297
August	24	0	0	0	0	\$47,026
September	8	0	0	0	0	\$105,250
October	0	0	0	0	0	\$0
November	4	0	0	0	0	\$70,000
December	59	1	0	1	0	\$49,650
Totals	624	6	0	3	0	\$525,239

Fires Caused by Fireworks by Month

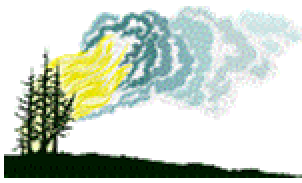


Most fires caused by fireworks, **65%**, occurred during the month of **July**.

Fires Caused by Fireworks 1997-2001



There was a slight decrease in the number of fireworks-related fires.

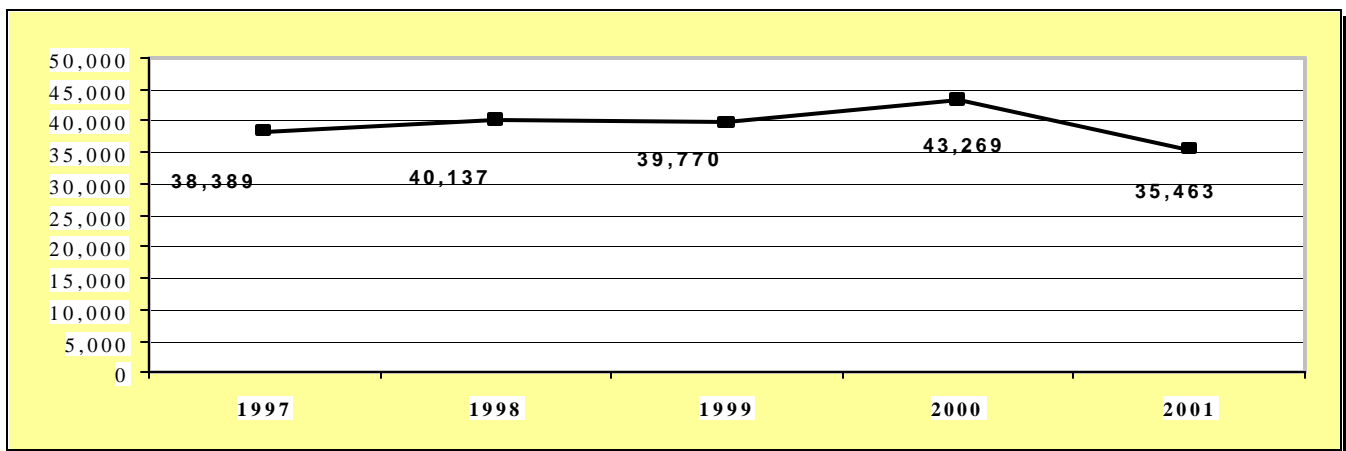


Outside and Other Fires

Fire departments reported 35,463 outside and other fires for this period, the most fires in any single fire category. This type of fire includes rubbish, trees, brush and grass fires, as well as any other type of fire not considered as a vehicle or a structure fire.

Two civilian fatalities, 64 civilian injuries, 38 fire service injuries and property loss estimated at \$11,013,431 resulted from outside and other fires.

Total Outside and Other Fires 1997 - 2001



There was an **18%** annual decrease in the total number of outside and other fires.

Counties with the Greatest Number of Outside and Other Fires

County	Total	County	Total
Dallas	5,179	Potter	560
Harris	3,282	Wichita	558
Bexar	2,755	Lubbock	553
Tarrant	2,374	Collin	494
El Paso	1,302	McLennan	446
Cameron	1,045	Grayson	423
Travis	1,031	Orange	392
Hidalgo	1,010	Ector	371
Nueces	709	Galveston	369
Denton	641	Jefferson	356

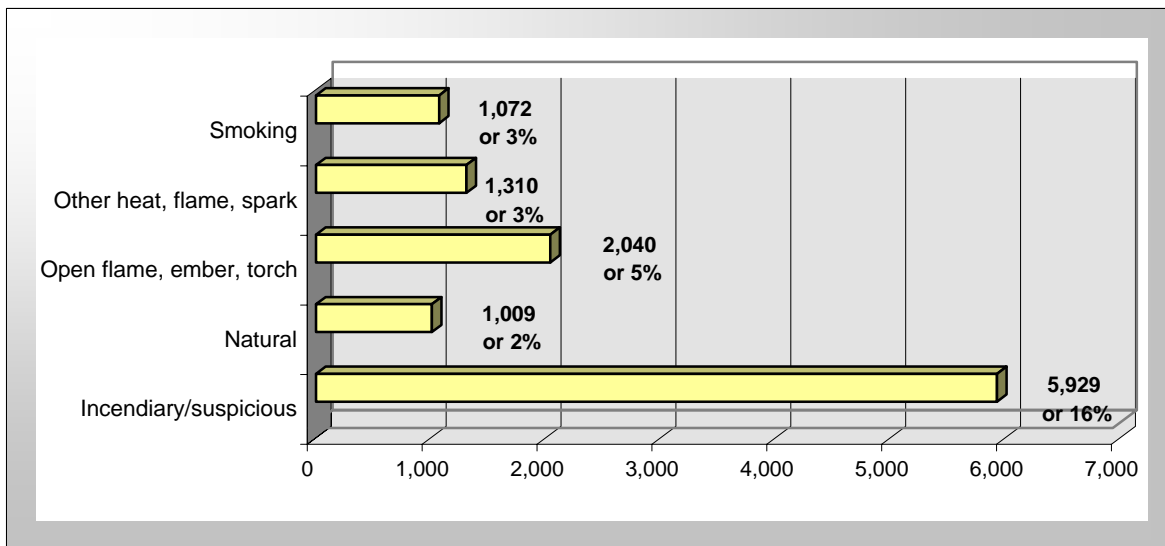
More than **55%** of all outside and other fires occurred in 10 counties.

Fire Cause in Outside and Other Fires

The following table shows the number of outside and other fires by identified cause.

Fire Cause	Total Fires	FS Injuries	FS Deaths	Civilian Injuries	Civilian Deaths	Loss
Appliances, air conditioning	87	0	0	3	0	\$108,671
Children playing	382	0	0	3	0	\$45,483
Cooking	206	0	0	5	0	\$83,561
Electrical distribution	462	0	0	1	0	\$304,707
Exposure	867	7	0	2	0	\$990,459
Heating	45	0	0	1	0	\$52,510
Incendiary/suspicious	5,929	1	0	4	1	\$885,586
Natural	1,009	1	0	2	0	\$1,184,713
Open flame, ember, torch	2,040	4	0	6	0	\$932,235
Other equipment	94	0	0	3	0	\$291,850
Other heat, flame, spark	1,310	6	0	3	0	\$2,008,889
Smoking	1,072	0	0	4	0	\$80,072
Unknown	21,960	19	0	27	1	\$4,044,695
Totals	35,463	38	0	64	2	\$11,013,431

Most Frequently Identified Causes of Outside and Other Fires



17% of outside and other fires was identified as incendiary/suspicious and included more than **8%** of the total dollar loss in all outside and other fires.

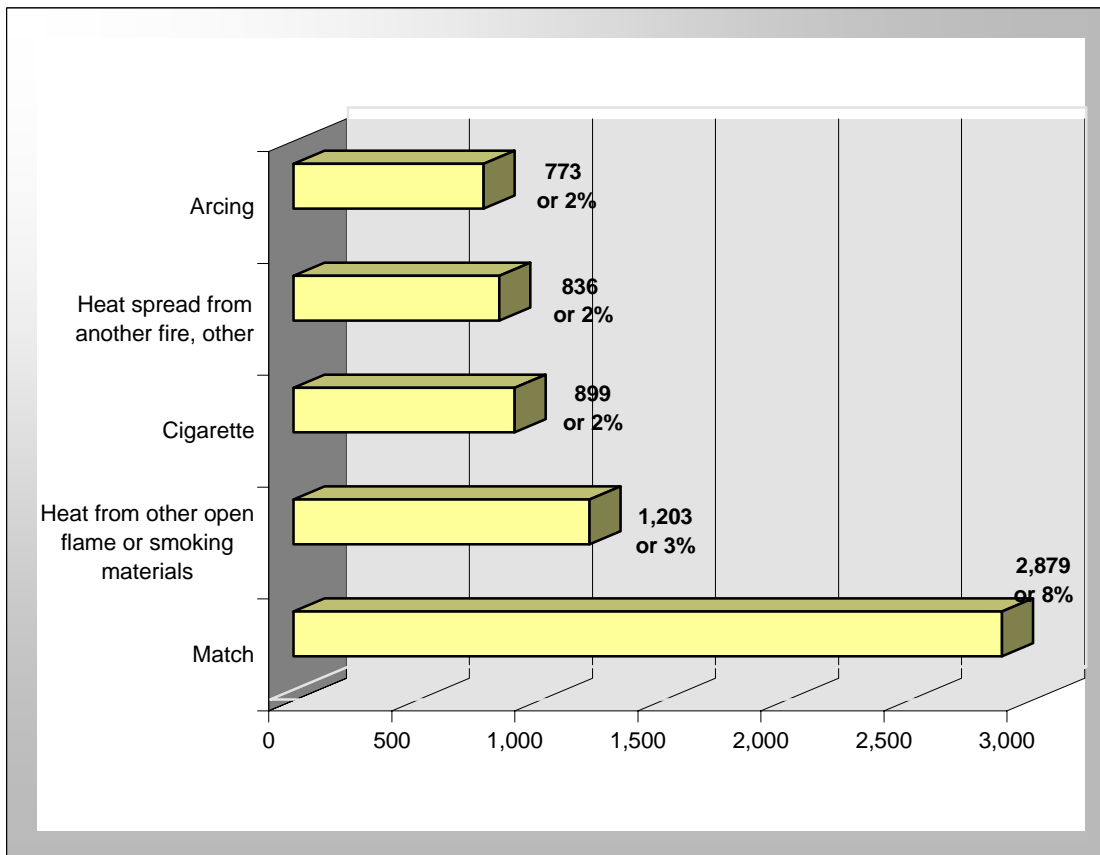
Heat Source in Outside and Other Fires

The table below shows the most frequently reported form of heat of ignition in outside and other fires.

Heat Source	Total Fires
Undetermined	23,372
Match	2,879
materials	1,203
Cigarette	899
Heat spread from another fire, other	836
Arcing	773

Heat source was reported as undetermined in **66%** of all outside and other fires.

Heat Source Identified in Outside Fires



Matches were involved in the largest percentage (**8%**) of outside fires where a heat source was identified.



Vehicle Fires

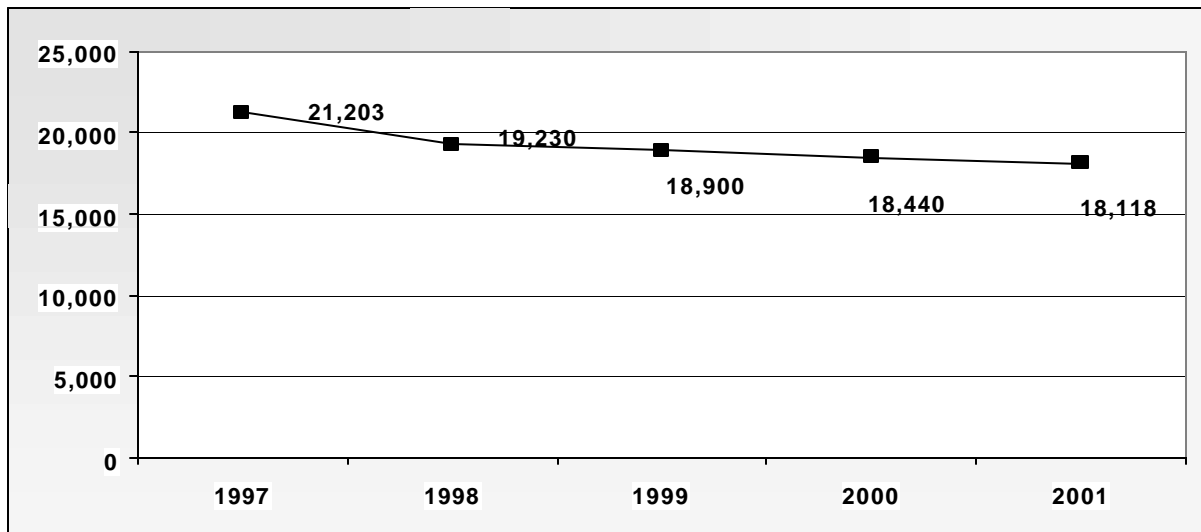
Fire departments reported 18,118 vehicle fires during this period. These fires caused an estimated \$62,602,275 in property damage, 23 fire-related civilian fatalities, 74 fire-related civilian injuries and 16 fire service injuries. Fire service injuries include all injuries resulting from duty-related activity.

There were more fires in passenger or road transport vehicles than in any other type of vehicle. The following table shows the percentage of fires in different types of vehicles.

Fires by Mobile Property Type

Mobile Property Type	% of Fires
Passenger or road transport vehicles	78.2%
Unknown	10.9%
Freight road vehicles	9.0%
Industrial, agricultural, construction vehicles	1.1%
Water vessels	0.3%
Mobile property, miscellaneous	0.3%
Transport vehicles	0.1%
Aircraft	0.1%

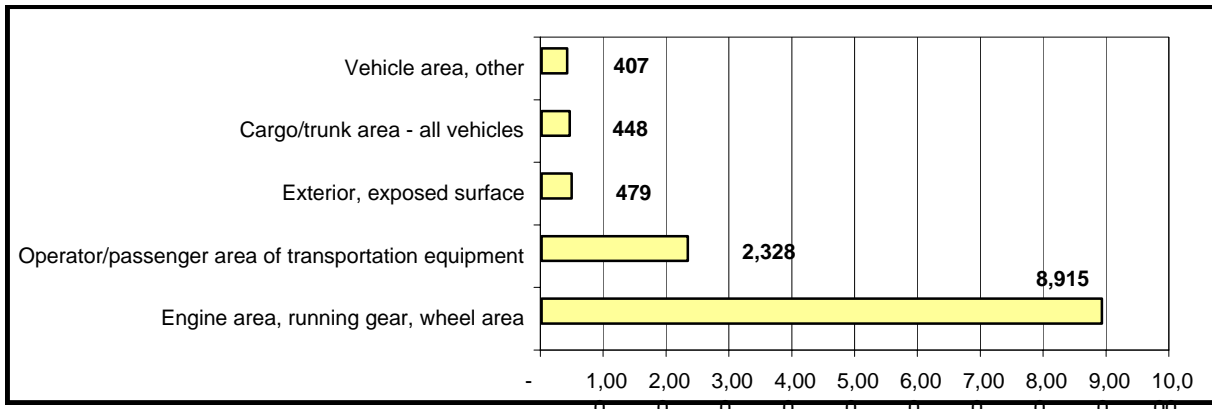
Total Vehicle Fires 1997-2001



Area of Origin in Vehicle Fires

The table below shows the most frequently reported area of origin in vehicle fires.

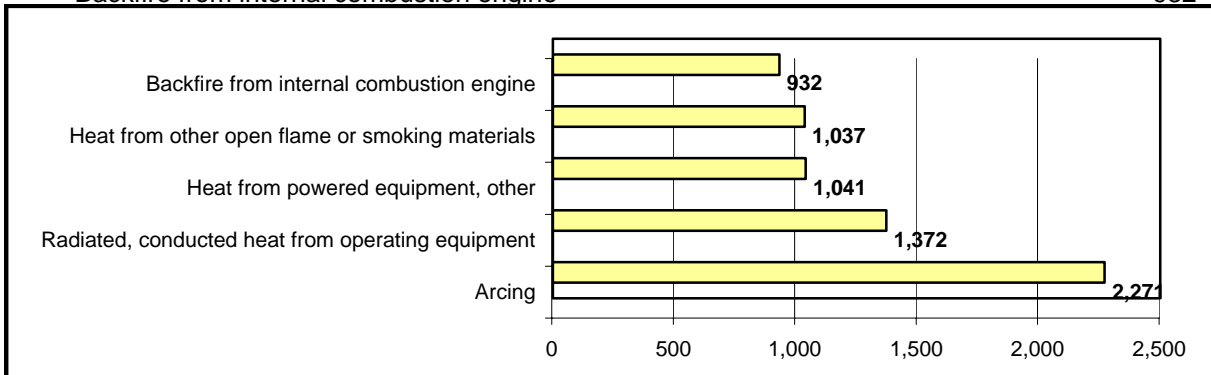
Area of Origin	Total
Engine area, running gear, wheel area	8,915
Undetermined	4,410
Operator/passenger area of transportation equipment	2,328
Exterior, exposed surface	479
Cargo/trunk area - all vehicles	448
Vehicle area, other	407



Heat Source in Vehicle Fires

The table below shows the most frequently reported heat source in vehicle fires.

Heat Source	Total
Undetermined	7,635
Arcing	2,271
Radiated, conducted heat from operating equipment	1,372
Heat from powered equipment, other	1,041
Heat from other open flame or smoking materials	1,037
Backfire from internal combustion engine	932





Structure Fires

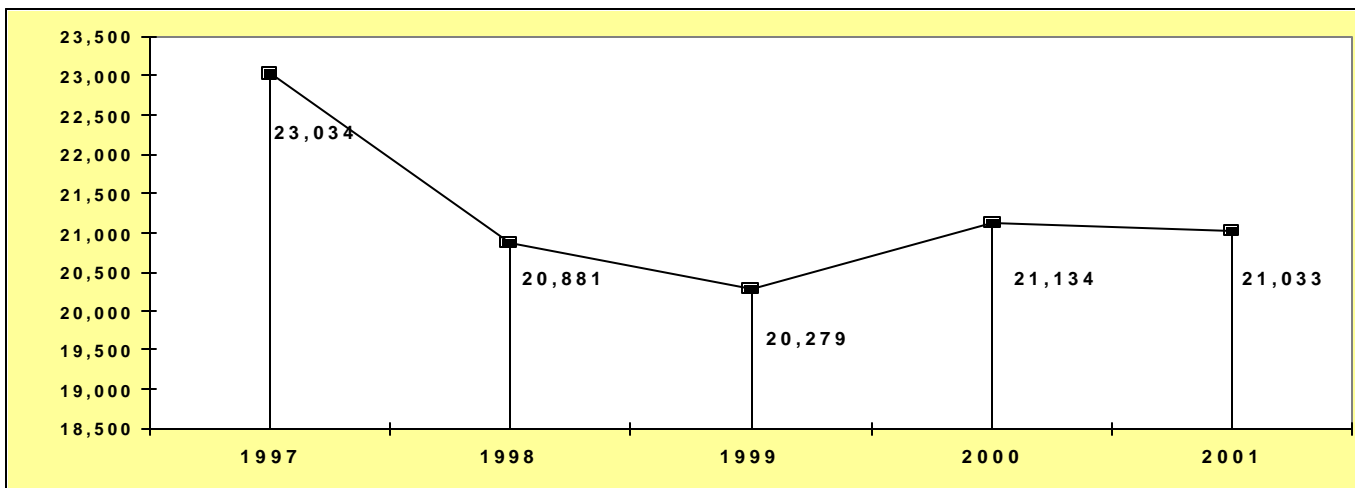
In 2001, there were 21,033 structure fires reported throughout the state. These fires resulted in 725 civilian injuries, 95 civilian deaths, 341 fire fighter injuries and 1 reported fire fighter death.

Total Fires, Casualties and Dollar Loss by Structure Type

Structure Type	Total Fires	FS Injuries	FS Deaths	Civilian Injuries	Civilian Deaths	Dollar Loss
Residential	15,898	278	1	662	92	\$200,867,867
Mercantile, business	1,172	16	0	24	0	\$41,329,708
Storage	958	30	0	13	1	\$26,710,225
Other	820	6	0	3	0	\$6,116,760
Assembly	789	3	0	9	0	\$14,214,927
Outside or special property	500	0	0	0	0	\$3,804,310
Educational	355	3	0	5	0	\$9,115,000
Manufacturing, processing	286	5	0	4	0	\$18,886,087
Health care, detention & correction	191	0	0	3	0	\$909,175
Industrial, utility, defense, agriculture, mining	64	0	0	2	2	\$815,205
Totals	21,033	341	1	725	95	\$322,769,264

76% of all structure fires occurred in residential properties.

Total Structure Fires 1997-2001



Total Structure Fires by Fire Cause

The table below shows the number of structure fires by cause identified.

Fire Cause	Total Fires	FS Injuries	FF Deaths	Civilian Injuries	Civilian Deaths	Dollar Loss
Appliances, air conditioning	921	7	0	28	0	\$7,192,887
Children playing	434	8	0	27	4	\$6,180,168
Cooking	3,970	11	0	138	3	\$15,945,294
Electrical distribution	1,697	27	0	42	3	\$36,572,910
Exposure	754	3	0	7	0	\$10,724,364
Heating	1,216	8	0	39	4	\$12,489,320
Incendiary/suspicious	2,804	57	0	71	16	\$65,600,093
Natural	534	15	0	13	0	\$13,347,912
Open flame, ember, torch	1,396	27	0	82	2	\$18,051,528
Other equipment	204	3	0	3	1	\$7,966,965
Other heat, flame, spark	649	22	0	31	7	\$5,988,798
Smoking	760	6	0	31	7	\$7,412,270
Unknown	5,694	147	1	213	48	\$115,296,755
Totals	21,033	341	1	725	95	\$322,769,264

Counties with the Greatest Number of Structure Fires

County	Total	County	Total
Harris	3,653	McLennan	341
Dallas	3,444	Hidalgo	340
Tarrant	1,533	Lubbock	313
Bexar	1,304	Cameron	302
Travis	685	Denton	296
El Paso	474	Wichita	285
Bell	402	Collin	257
Nueces	389	Jefferson	233
Potter	346	Grayson	220
Galveston	341	Taylor	219

Fire Cause in Structure Fires by General Structure Type

The tables below show the fire cause identified in fires by the general type of structure.

Fire Cause	Unclassified	Assembly	Educational	Health Care, Detention & Correction	Industrial, Utility, Defense, Agriculture, Mining
Appliances, air conditioning	7	35	21	37	1
Children playing	7	1	3	0	0
Cooking	30	248	26	29	2
Electrical distribution	19	97	19	12	9
Exposure	20	16	2	1	4
Heating	12	28	9	5	1
Incendiary/suspicious	169	102	175	22	5
Natural	9	16	5	8	6
Open flame, ember, torch	39	34	19	12	5
Other equipment	5	10	4	8	1
Other heat, flame, spark	19	25	6	6	4
Smoking	11	17	6	9	0
Unknown	473	160	60	42	26
Total	820	789	355	191	64

Fire Cause	Manufacturing, Processing	Mercantile, Business	Outside or Special Property	Residential	Storage
Appliances, air conditioning	7	94	2	704	13
Children playing	0	0	5	398	20
Cooking	12	75	14	3,525	9
Electrical distribution	25	178	9	1,272	57
Exposure	7	52	22	517	113
Heating	13	42	5	1,080	21
Incendiary/suspicious	17	211	127	1,793	183
Natural	21	30	10	392	37
Open flame, ember, torch	22	76	11	1,119	59
Other equipment	32	34	8	83	19
Other heat, flame, spark	35	30	7	472	45
Smoking	4	45	12	632	24
Unknown	91	305	268	3,911	358
Total	286	1,172	500	15,898	958

Cooking was identified as the leading fire cause (**19%**) in all structure fires.

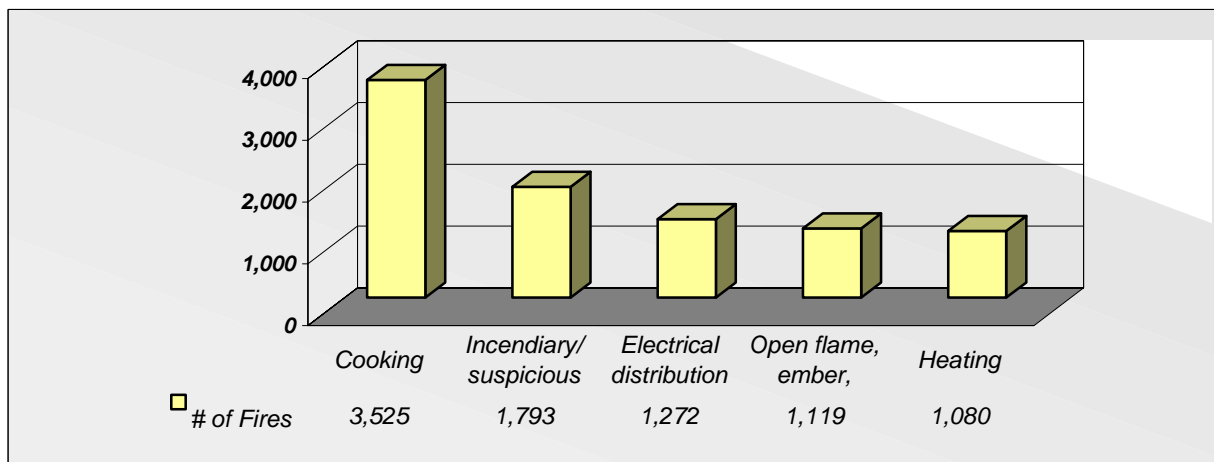
Incendiary/suspicious was the second most identified fire cause (**13%**) in all structure fires.

Fire Cause in Residential Structure Fires

The table below shows the number of fires in residential structures by fire cause and their associated casualties and dollar loss.

Fire Cause	Total Fires	Civilian Deaths	Civilian Injuries	Dollar Loss
Appliances, air conditioning	704	0	20	\$6,272,950
Children playing	398	4	25	\$6,127,838
Cooking	3,525	3	129	\$13,059,562
Electrical distribution	1,272	3	38	\$26,266,559
Exposure	517	0	7	\$8,900,675
Heating	1,080	4	36	\$10,980,055
Incendiary/suspicious	1,793	15	62	\$29,245,847
Natural	392	0	12	\$9,504,282
Open flame, ember, torch	1,119	2	74	\$13,890,544
Other equipment	83	1	2	\$2,814,700
Other heat, flame, spark	472	7	28	\$4,758,127
Smoking	632	7	30	\$4,758,127
Unknown	3,911	46	199	\$62,220,522
Totals	15,898	92	662	\$198,799,788

Most Frequently Identified Fire Cause in Residential Structure Fires



Cooking was the most frequently identified cause (22%) in residential structure fires and involved (19%) of all civilian injuries in residential structure fires.

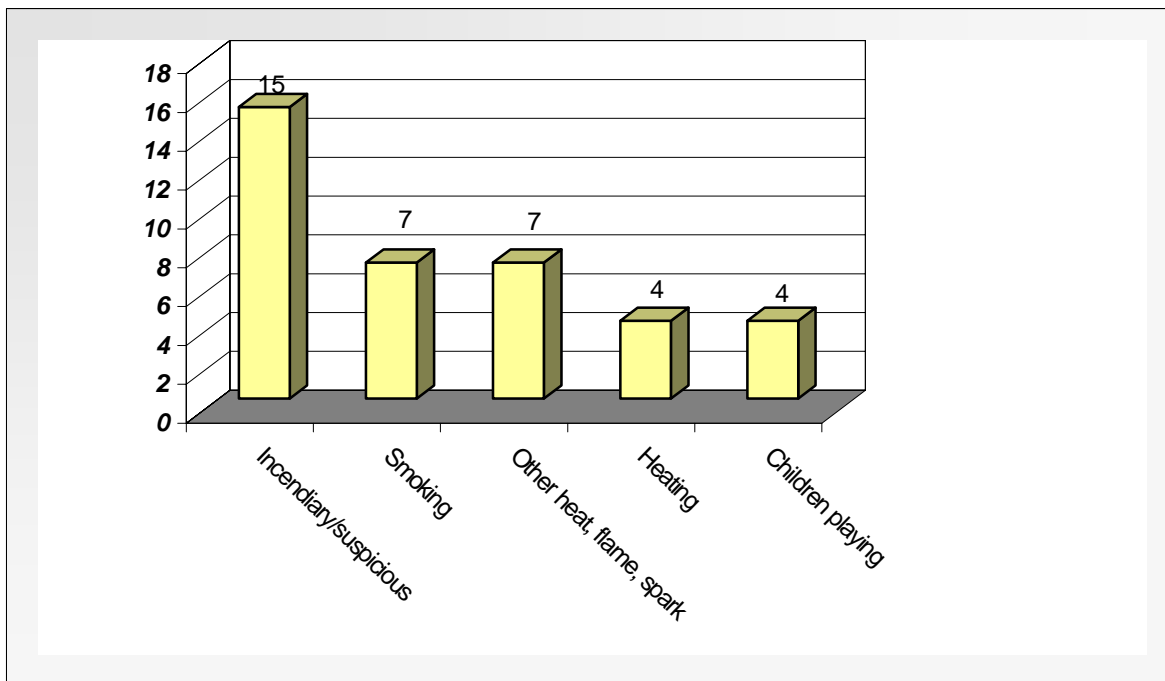
Incendiary/suspicious was the second most identified cause in structure fires and involved (16%) of all civilian deaths occurring in residential structure fires.

Fire Cause in Fatal Residential Structure Fires

The table below shows the cause identified in residential structure fires where a civilian fatality was involved.

Fire Cause	Fatal Fires	Civilian Deaths
Children playing	3	4
Cooking	3	3
Electrical distribution	3	3
Heating	4	4
Incendiary/suspicious	15	15
Open flame, ember, torch	2	2
Other equipment	1	1
Other heat, flame, spark	4	7
Smoking	6	7
Unknown	36	46
Totals	77	92

**Most Frequently Identified Fire Cause
in Residential Structure Fires Involving Civilian Fatalities**



Incendiary/suspicious was the most frequently identified cause (**19%**) in fatal residential structure fires and involved (**16%**) of all structure fire civilian fatalities.

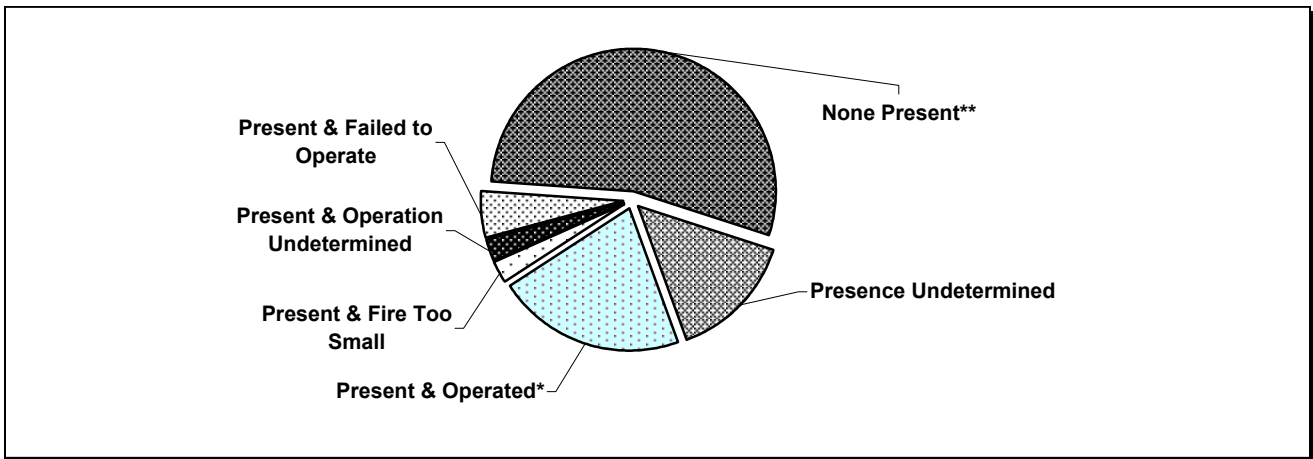
Detectors in Residential Structures

	Residential Structure Fires		Fatal Residential Structure Fires	
Present & Operated*	3,377	21%	9	12%
Present & Fire Too Small	405	3%	0	0%
Present & Operation Undetermined	385	2%	5	6%
Present & Failed to Operate	855	5%	5	6%
None Present**	8,548	55%	46	60%
Presence Undetermined	2,289	14%	12	16%
Total	15,859		77	

* Includes fires where detectors are "Not in Room or Space of Origin" but did operate.

** Includes fires where the detectors are present outside the "Area of Fire Origin" and did not operate.

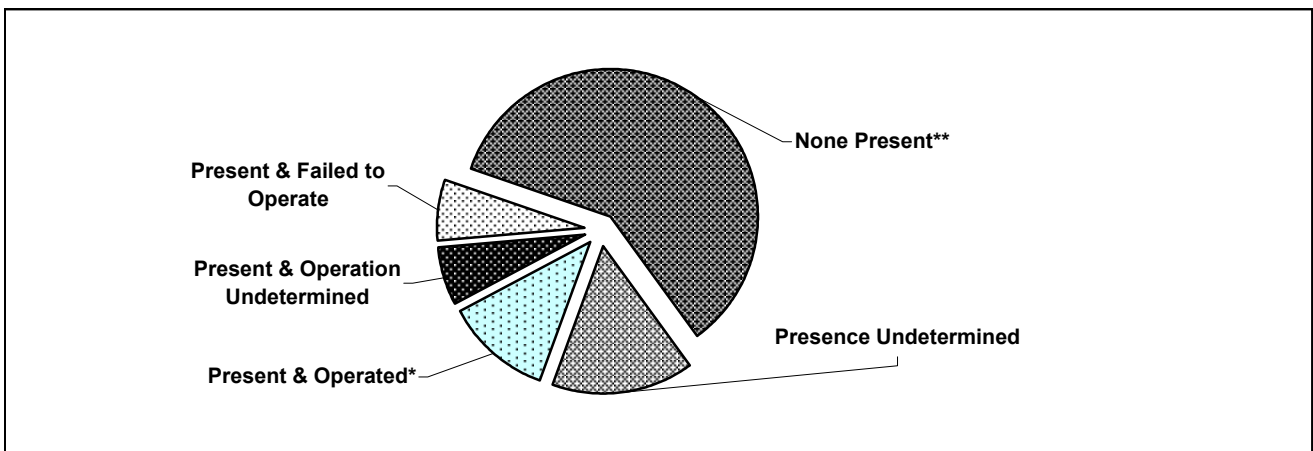
Residential Structure Fires



* 25% of incidents include detectors not in room or space of origin but did operate.

** 11% of incidents include detectors present outside the area of origin and did not operate.

Fatal Residential Structure Fires



* 33% of incidents include detectors not in room or space of origin but did operate.

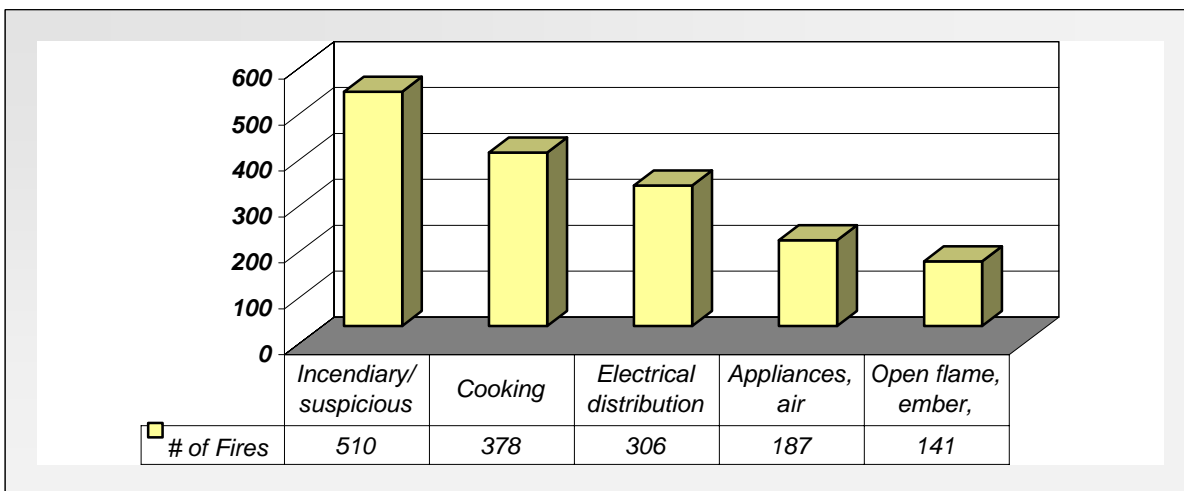
** 2% of incidents include detectors present outside the area of origin and did not operate.

Fire Cause in Public, Mercantile Structure Fires

The table below shows the number of fires in public, mercantile structures by identified cause and their associated casualties and dollar loss.

Fire Cause	Total Fires	Civilian Deaths	Civilian Injuries	Dollar Loss	Assembly	Educational	Health Care, Detention & Correction	Mercantile, Business
Appliances, air conditioning	187	0	8	\$721,920	35	21	37	94
Children playing	4	0	0	\$3,100	1	3	0	0
Cooking	378	0	9	\$1,824,560	248	26	29	75
Electrical distribution	306	0	3	\$6,869,309	97	19	12	178
Exposure	71	0	0	\$776,171	16	2	1	52
Heating	84	0	0	\$711,115	28	9	5	42
Incendiary/suspicious	510	0	9	\$20,868,781	102	175	22	211
Natural	59	0	0	\$3,080,405	16	5	8	30
Open flame, ember, torch	141	0	3	\$1,850,456	34	19	12	76
Other equipment	56	0	1	\$825,890	10	4	8	34
Other heat, flame, spark	67	0	0	\$473,511	25	6	6	30
Smoking	77	0	0	\$434,646	17	6	9	45
Unknown	567	0	8	\$27,128,946	160	60	42	305
Totals	2,507	0	41	\$65,568,810	789	355	191	1,172

Most Frequently Identified Fire Cause in Public, Mercantile Structure Fires



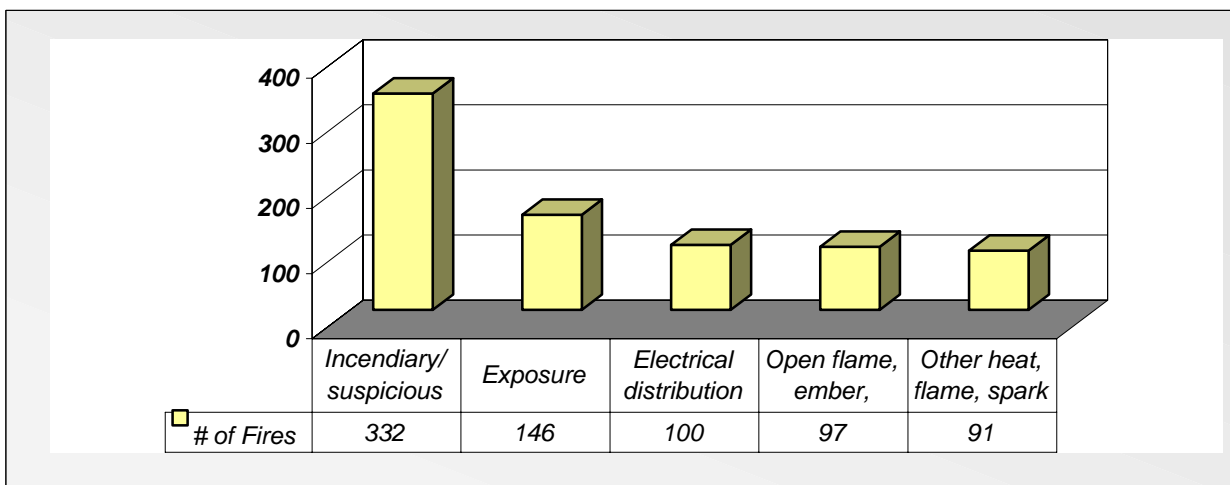
The most frequently identified cause was **Incendiary/suspicious (20%)**.

Fire Cause in Industrial Structure Fires

The following table shows the number of fires in industrial structures by fire cause, with associated casualties and dollar loss.

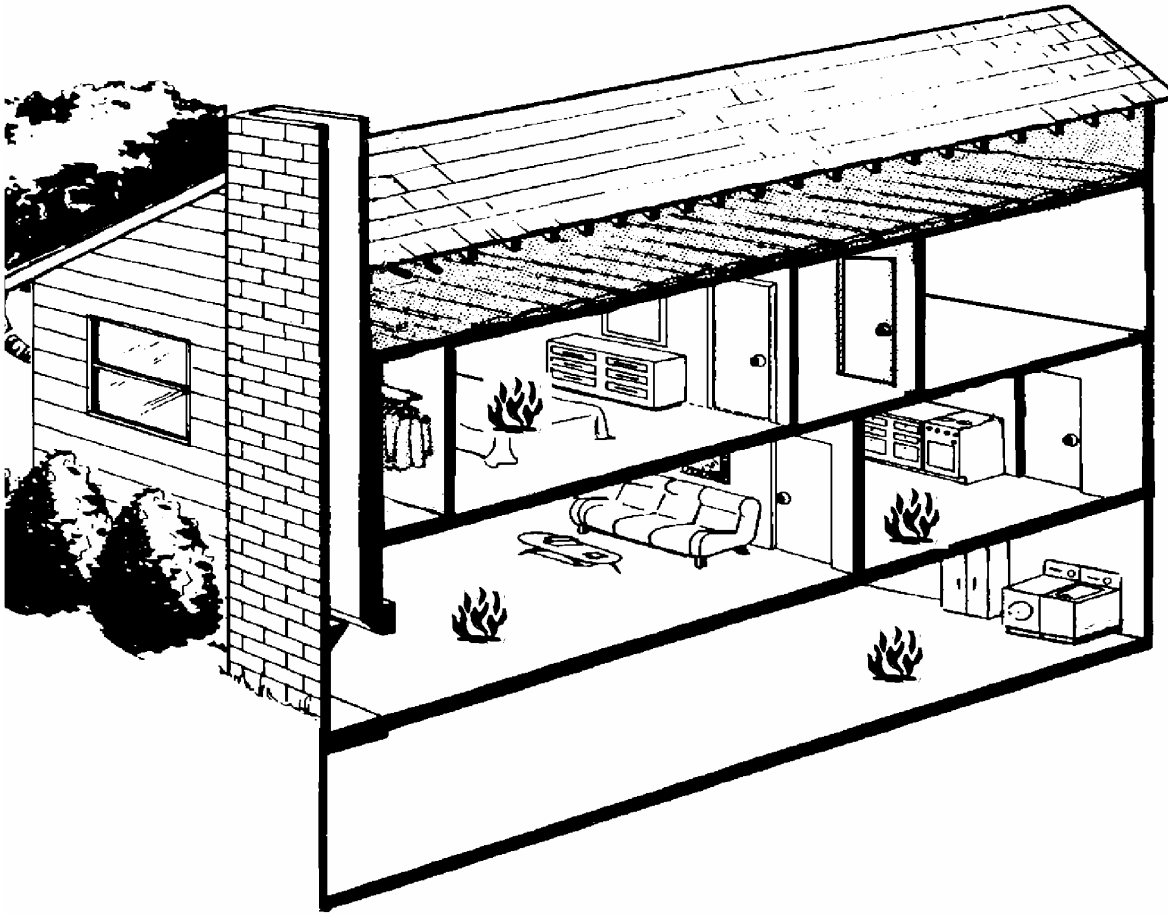
Fire Cause	Total Fires	Civilian Deaths	Civilian Injuries	Dollar Loss	Industrial, Utility, Defense, Agriculture, Mining	Manufacturing, Processing	Outside or Special Property	Storage
Appliances, air conditioning	23	0	0	\$181,967	1	7	2	13
Children playing	25	0	2	\$35,230	0	0	5	20
Cooking	37	0	0	\$1,040,352	2	12	14	9
Electrical distribution	100	0	0	\$3,244,417	9	25	9	57
Exposure	146	0	0	\$893,118	4	7	22	113
Heating	40	0	3	\$774,350	1	13	5	21
Incendiary/suspicious	332	1	0	\$13,620,911	5	17	127	183
Natural	74	0	1	\$749,725	6	21	10	37
Open flame, ember, torch	97	0	4	\$953,907	5	22	11	59
Other equipment	60	0	0	\$4,322,375	1	32	8	19
Other heat, flame, spark	91	0	3	\$546,960	4	35	7	45
Smoking	40	0	1	\$112,595	0	4	12	24
Unknown	743	2	5	\$23,739,920	26	91	268	358
Totals	1,808	3	19	\$50,215,827	64	286	500	958

Most Frequently Identified Fire Cause in Industrial Structure Fires



The most frequently identified cause was **Incendiary/suspicious (18%)**.

Area of Origin in Residential Structure Fires

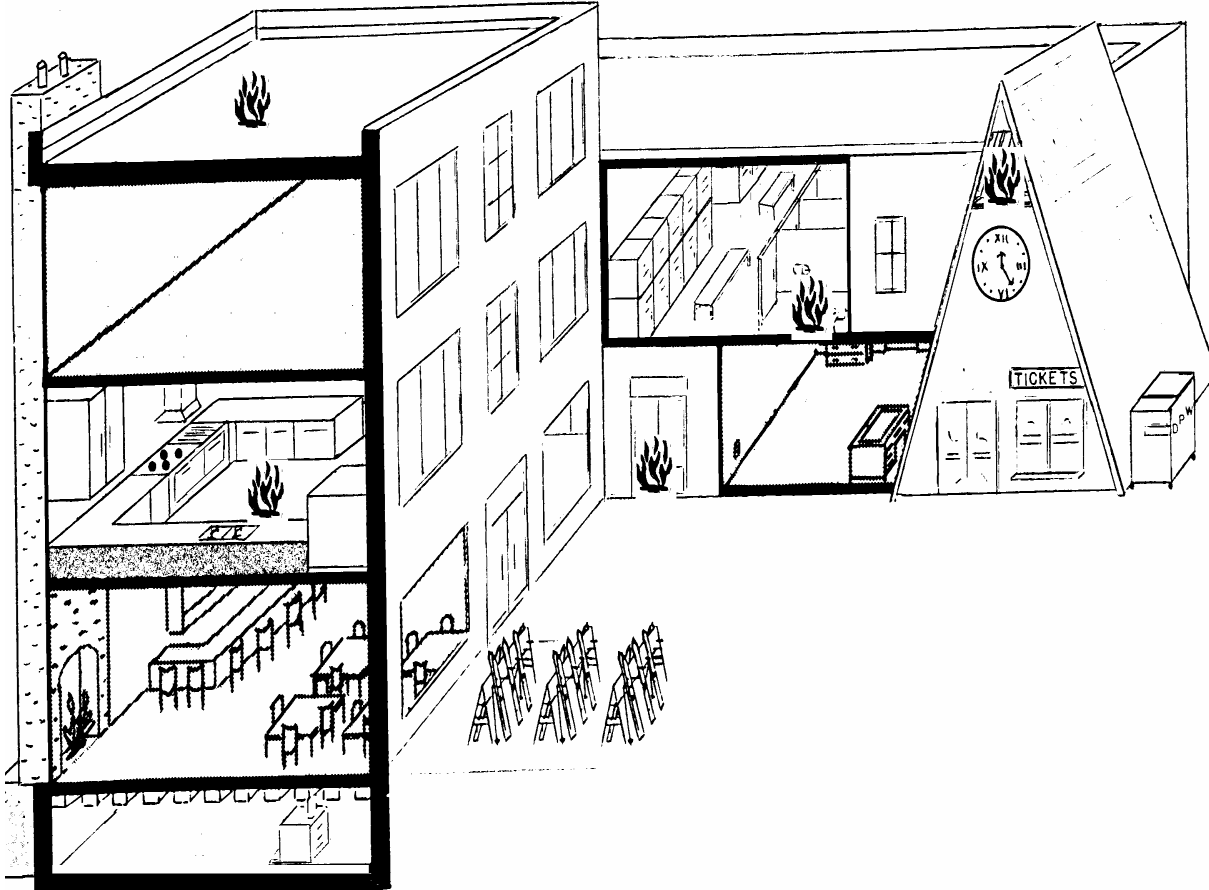


Most Frequently Identified Area of Origin in Residential Structure Fires

The following table shows the number of residential structure fires by most frequently identified area of origin and the corresponding percentage of all residential structure fires.

Area of Origin	# of Fires	% of Total
Cooking area, kitchen	4,280	27%
Bedroom for less than 5 persons; included are jail or prison	2,200	14%
Common room, den, family room, living room, lounge	985	6%
Undetermined	890	6%
Vehicle storage area; garage, carport	619	4%
Laundry area, wash house (laundry)	600	4%

Area of Origin in Assembly Structure Fires

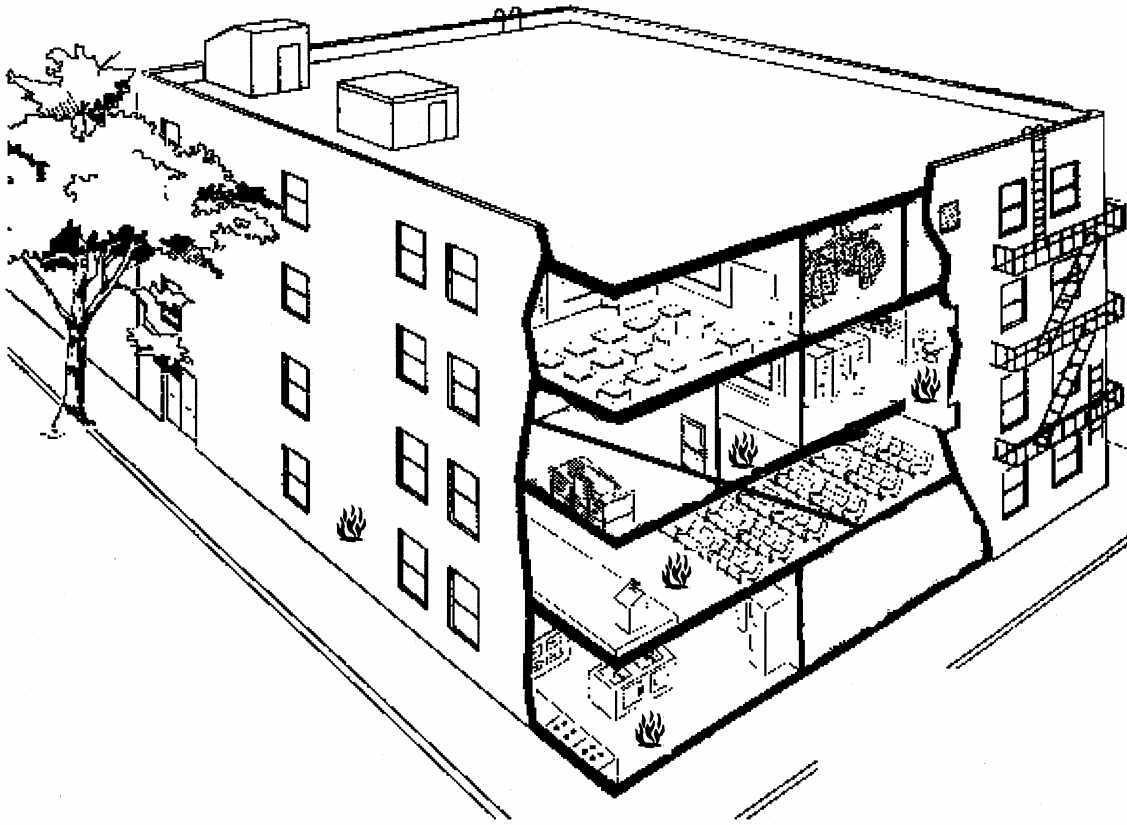


Most Frequently Identified Area of Origin in Assembly Structure Fires

The table below shows the number of assembly structure fires by most frequently identified area of origin and the corresponding percentage of all assembly structure fires.

Area of Origin	# of Fires	% of Total
Cooking area, kitchen	275	35%
Wall surface: exterior	52	7%
Roof surface: exterior	50	6%
Undetermined	32	4%
Attic: vacant, crawl space above top story, cupola	24	3%
Bathroom, checkroom, lavatory, locker room	24	3%

Area of Origin in Educational Structure Fires



Most Frequently Identified Area of Origin in Educational Structure Fires

The table below shows the number of educational structure fires by most frequently identified area of origin and the corresponding percentage of all educational structure fires.

Area of Origin	# of Fires	% of Total
Bathroom, checkroom, lavatory, locker room	84	24%
Assembly area - less than 100 persons	30	8%
Cooking area, kitchen	27	8%
Corridor, mall	19	5%
Undetermined	18	5%
Wall surface: exterior	16	5%

Area of Origin in Mercantile, Business Structure Fires



Most Frequently Identified Area of Origin in Mercantile, Business Structure Fires

The table below shows the number of mercantile, business structure fires by most frequently identified area of origin and the corresponding percentage of all mercantile, business structure fires.

Area of Origin	# of Fires	% of Total
Office	79	7%
Wall surface: exterior	73	6%
Sales area, showroom (exclude display window)	72	6%
Cooking area, kitchen	71	6%
Laundry area, wash house (laundry)	68	6%
Bathroom, checkroom, lavatory, locker room	56	5%



Incendiary/Suspicious Fires

During 2001, there were 11,753 fires determined to be incendiary/suspicious. These fires accounted for 16% of all reported fires, 11% of all fire-related injuries, 15% of all fire-related deaths and 22% of all fire-related dollar loss.

An incendiary fire is a fire that was determined to have been deliberately set to destroy property.

A suspicious fire is a fire that was suspected of having been deliberately or maliciously set to destroy property.

An unknown fire is a fire for which the cause was undetermined. In many cases, fires of unknown cause are later determined to have been incendiary or suspicious.

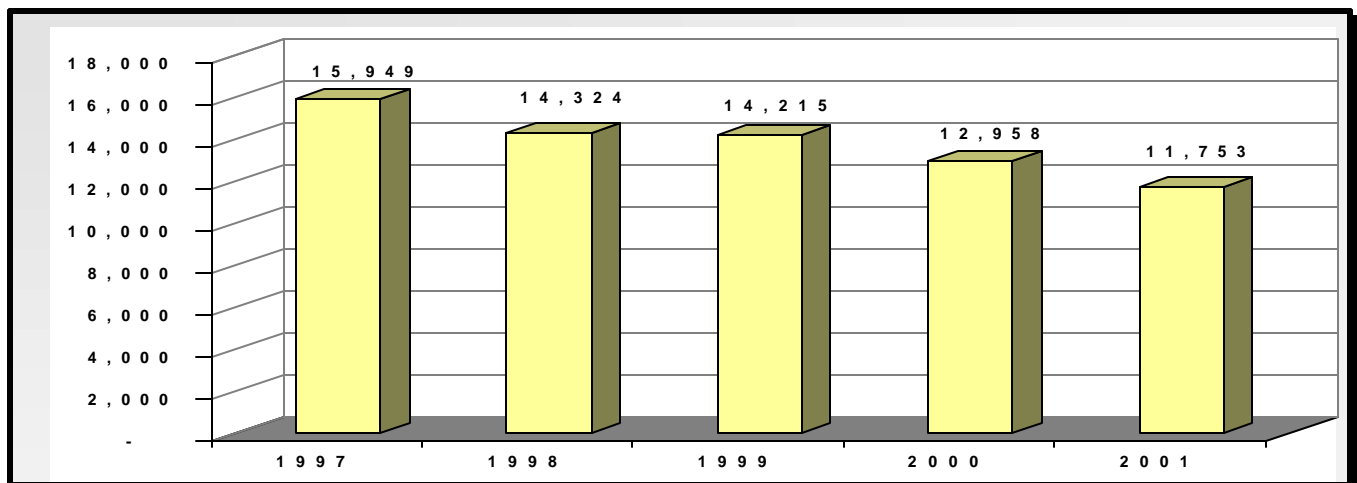
In this report, a fire set by a property owner to destroy or incinerate trash, grass, brush, or other property without value is not classified as incendiary or suspicious unless the fire was set with malicious intent.

Note: Primary fires sometimes spread to other properties, resulting in "exposure fires." Fire loss data for exposure fires are not included in this section of the report. Therefore, total fire losses that might be attributed to specific fire causes may be greater than indicated.

Incendiary/Suspicious Fires

Year	Total Fires	Dollar Loss	Civilian Injuries	FF Injuries	Civilian Deaths	FF Deaths
1997	15,949	\$76,146,132	111	183	35	0
1998	14,324	\$81,586,776	107	118	33	0
1999	14,215	\$80,713,381	101	73	25	2
2000	12,958	\$72,055,918	69	100	32	0
2001	11,753	\$86,042,069	79	62	18	0

Incendiary/Suspicious Fires 1997-2001

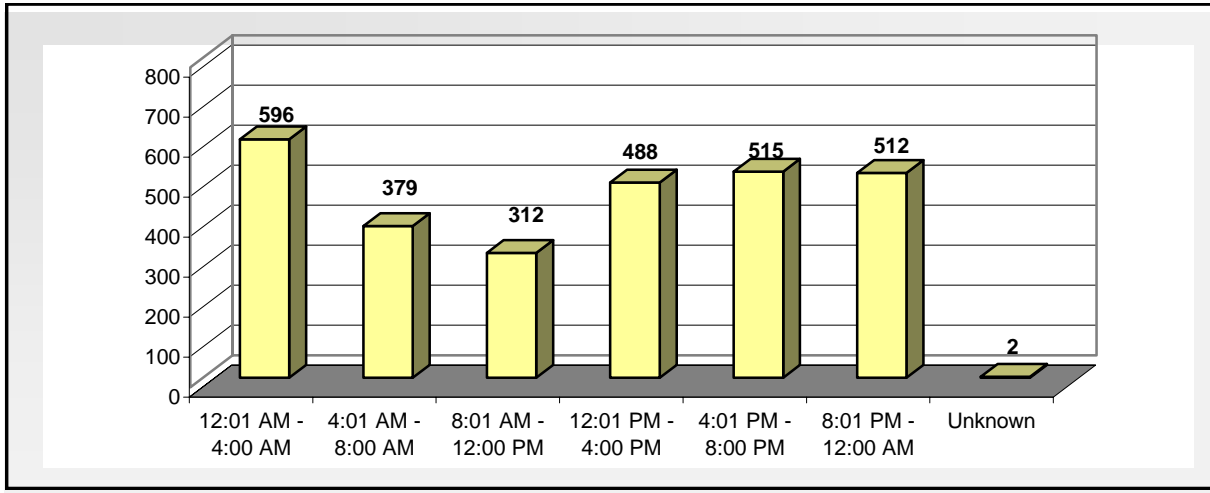


Incendiary/Suspicious Structure Fires

The following table shows the number of structure fires identified as incendiary/suspicious by time of alarm, with associated casualties and dollar loss.

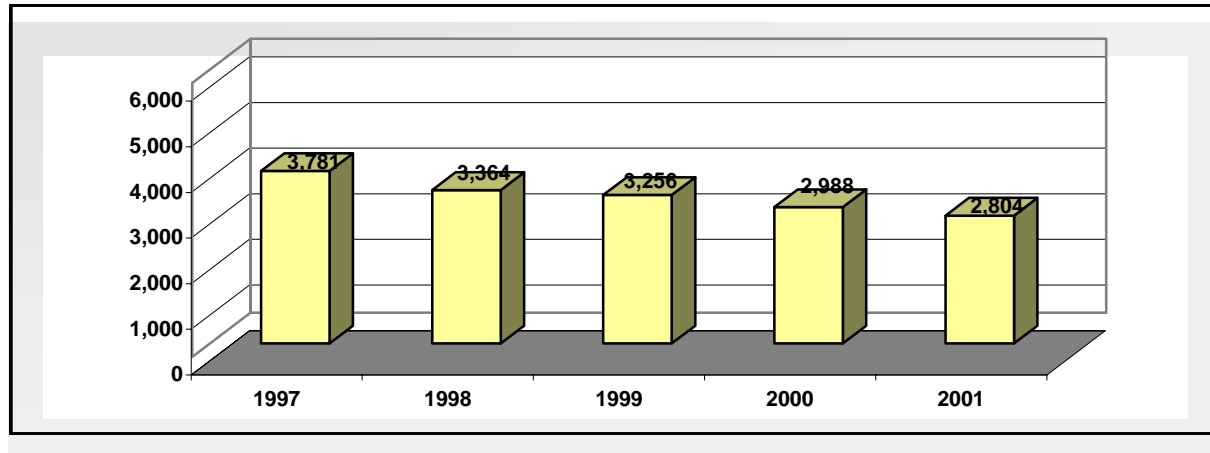
Alarm Time Interval	Total Fires	Percentage	Dollar Loss	Percentage	Civilian	FF	Civilian	FF
					Injuries	Injuries	Deaths	Deaths
12:01 AM - 4:00 AM	596	21.3%	\$22,321,857	34.0%	9	26	4	0
4:01 AM - 8:00 AM	379	13.5%	\$13,592,560	20.7%	9	6	3	0
8:01 AM - 12:00 PM	312	11.1%	\$3,077,536	4.7%	14	3	2	0
12:01 PM - 4:00 PM	488	17.4%	\$4,976,483	7.6%	10	7	0	0
4:01 PM - 8:00 PM	515	18.4%	\$8,239,678	12.6%	13	6	4	0
8:01 PM - 12:00 AM	512	18.3%	\$13,391,979	20.4%	16	9	3	0
Unknown	2	0.1%	\$0	0.0%	0	0	0	0
Totals	2,804	100.0%	\$65,600,093	100.0%	71	57	16	0

Alarm Time Intervals for Incendiary/Suspicious Structure Fires



Most structure fires identified as incendiary/suspicious (21%) occurred between the hours of **midnight and 4:00 AM**.

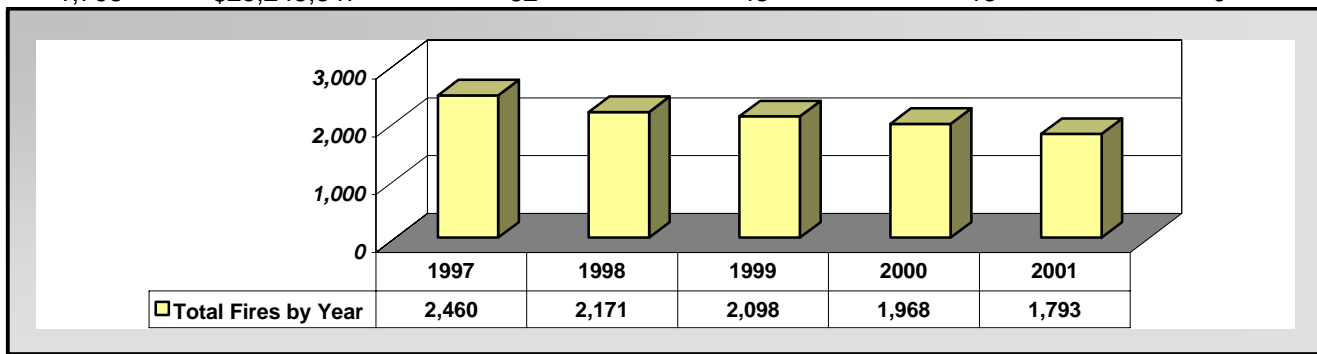
Incendiary/Suspicious Structure Fires 1997-2001



There was a (6%) decrease in the number of incendiary/suspicious fires reported for the year. **13%** of all structure fires in year 2001 were identified as incendiary/suspicious.

Incendiary/Suspicious Residential Structure Fires

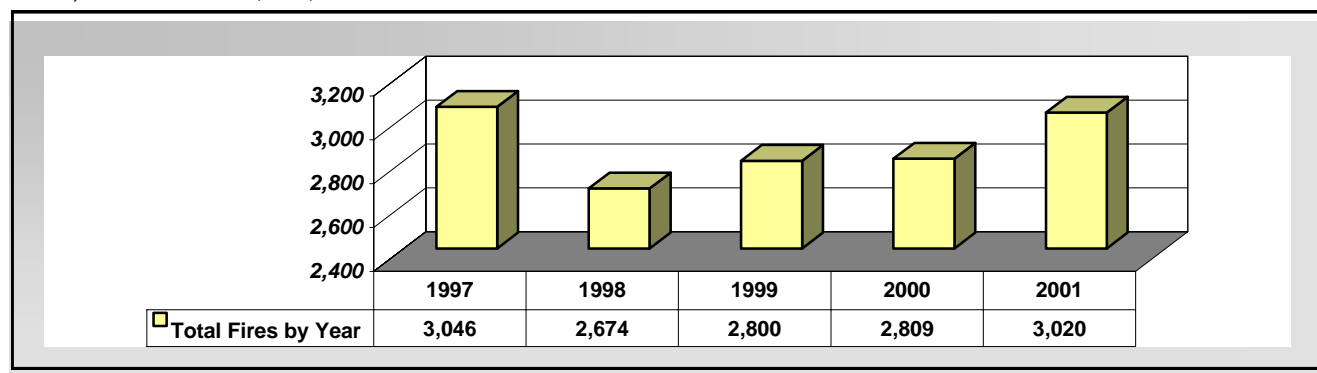
Total Fires	Dollar Loss	Civilian Injuries	FF Injuries	Civilian Deaths	FF Deaths
1,793	\$29,245,847	62	48	15	0



11% of all residential structure fires were identified as **incendiary/suspicious**.

Incendiary/Suspicious Vehicle Fires

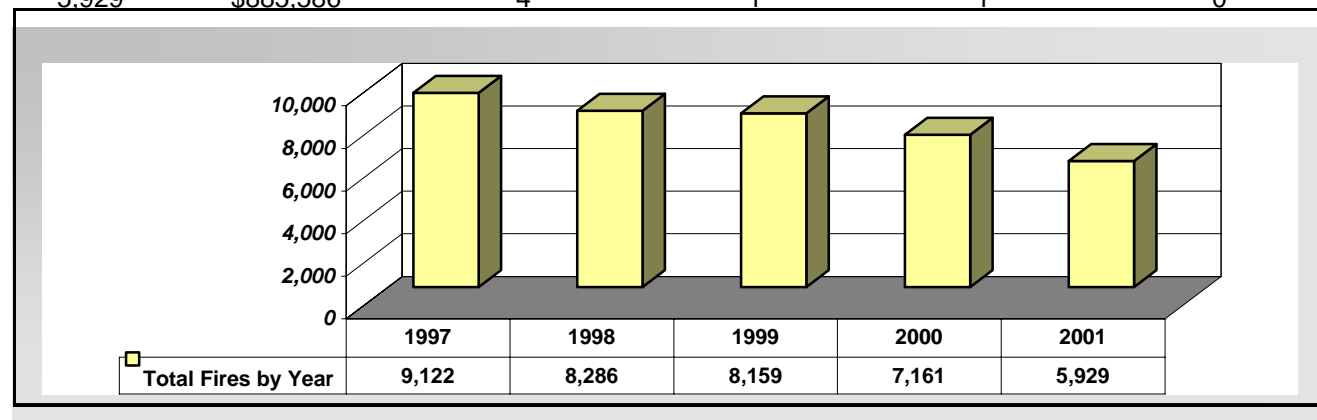
Total Fires	Dollar Loss	Civilian Injuries	FF Injuries	Civilian Deaths	FF Deaths
3,020	\$19,556,390	4	4	1	0



17% of all vehicle fires were identified as **incendiary/suspicious**.

Incendiary/Suspicious Outside and Other Fires

Total Fires	Dollar Loss	Civilian Injuries	FF Injuries	Civilian Deaths	FF Deaths
5,929	\$885,586	4	1	1	0



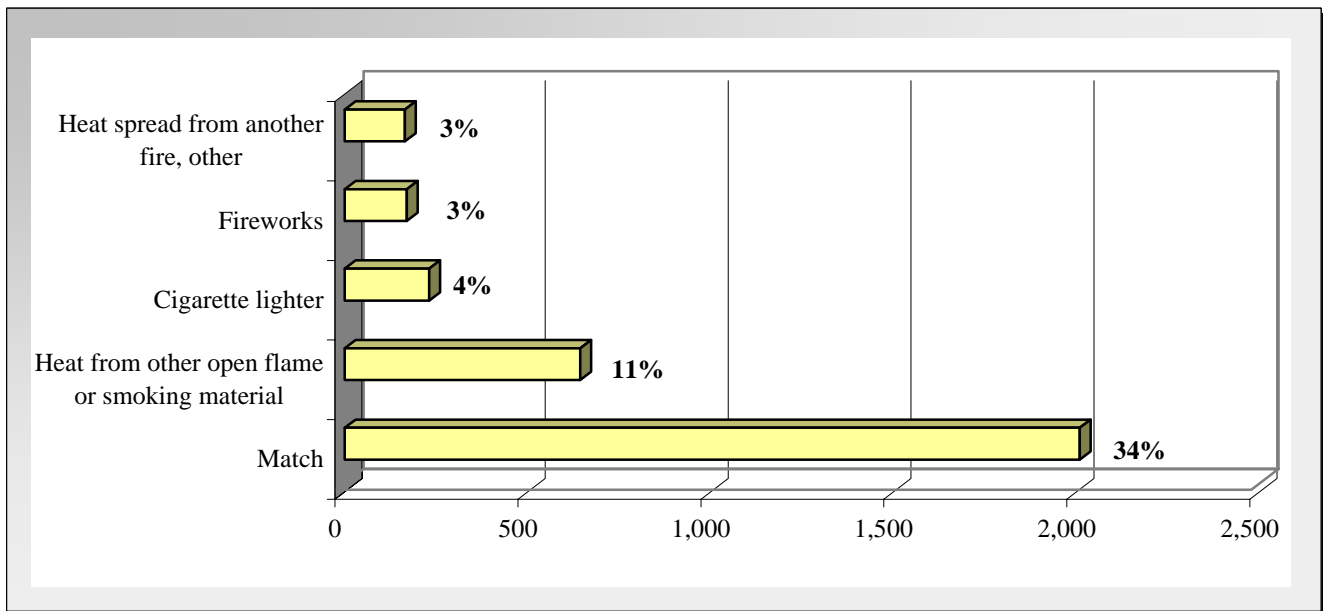
17% of all outside and other fires were identified as **incendiary/suspicious**.

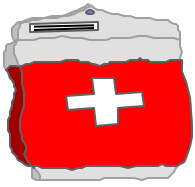
Heat Source in Incendiary/Suspicious Outside and Other Fires

The table below shows the number of incendiary/suspicious outside and other fires by heat source.

Heat Source	Total Fires
Undetermined	2,014
Match	2,009
Heat from other open flame or smoking material	644
Cigarette lighter	231
Fireworks	170
Heat spread from another fire, other	165

Heat source was reported as **undetermined** in **34%** of all incendiary/suspicious outside and other fires.

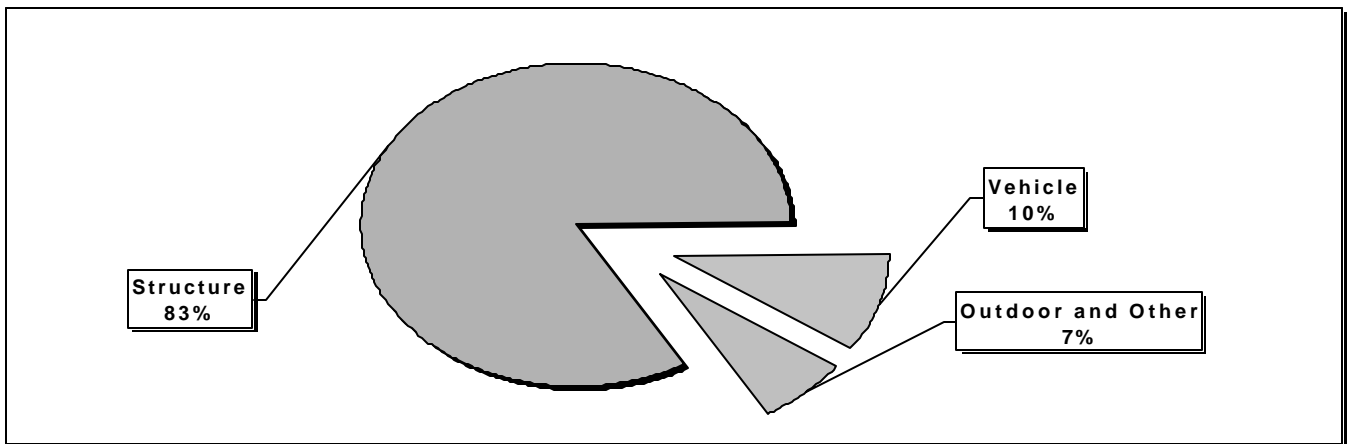




Casualties

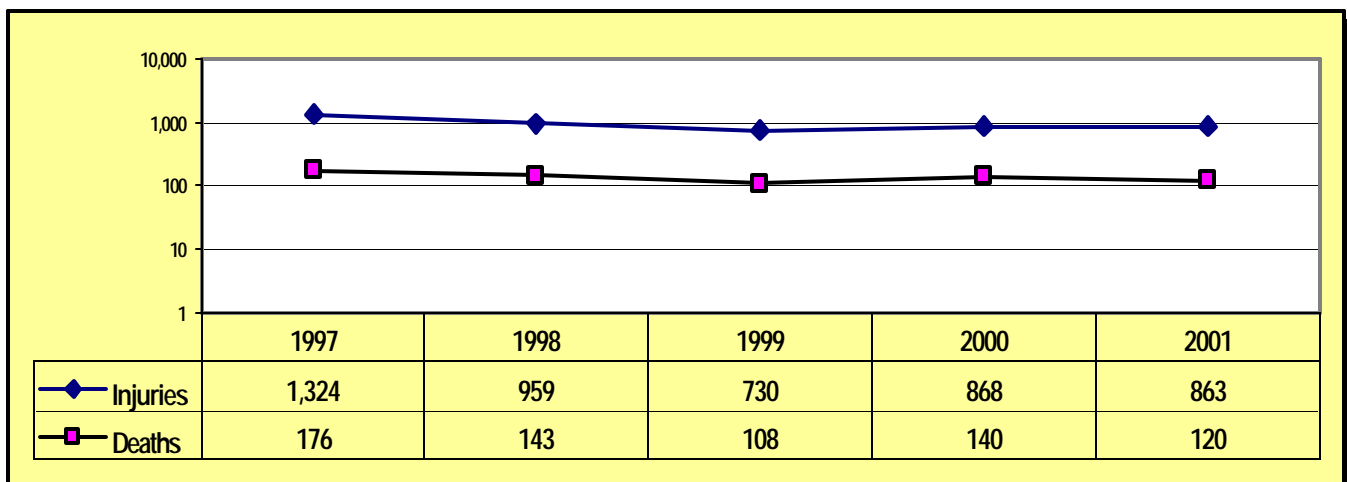
During year 2001, fire departments reported 120 civilian deaths, 863 civilian injuries, one fire service death and 414 fire service injuries in fires. This chapter provides information on the deaths and injuries suffered by civilians and fire service personnel. The fire service also experienced 2 deaths and 271 injuries in non fire-related incidents. All fire service counts in this section include mutual aid given incidents.

Civilian Casualties by Type of Fire



Of all civilian casualties, **820** or **(83%)** occurred in structure fires, **97** or **(10%)** occurred in vehicle fires, and **66** or **(7%)** occurred in outdoor and other fires. Of the **120** civilian fatalities, **95** or **(79%)** occurred in structure fires, **23** or **(19%)** occurred in vehicle fires and **2** or **(2%)** occurred in outdoor and other fires.

Civilian Casualties 1997-2001

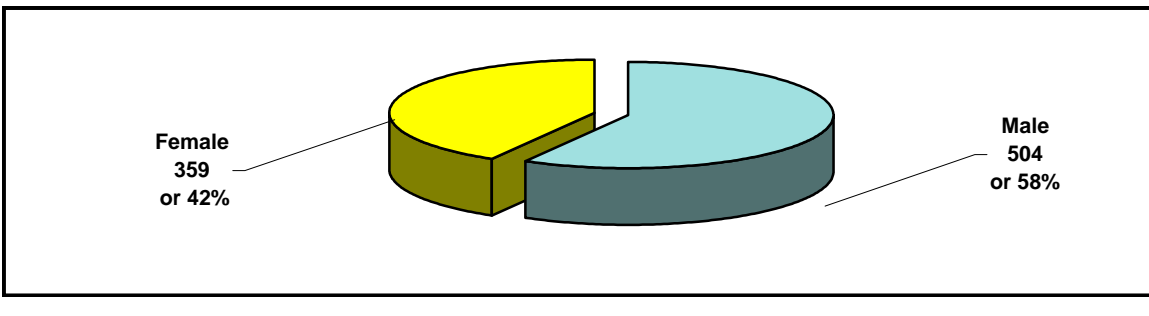
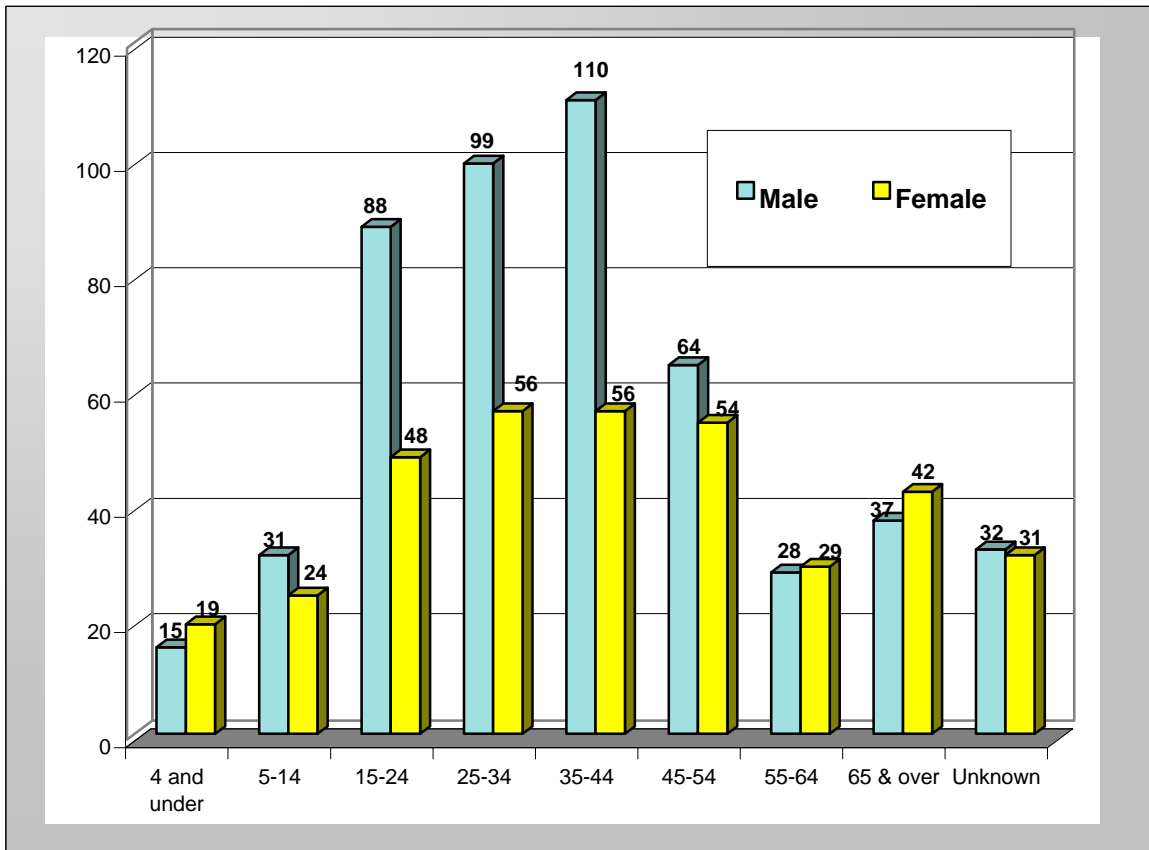


Civilian Injuries in All Fires

The following table shows the number of fire-related civilian injuries by age and gender.

Gender	4 and under	5-14	15-24	25-34	35-44	45-54	55-64	65 & over	Unknown	Totals
Male	15	31	88	99	110	64	28	37	32	504
Female	19	24	48	56	56	54	29	42	31	359
Totals	34	55	136	155	166	118	57	79	63	863

Most civilian injuries (19%) involved people between the ages of 35-44.
 110 or (13%) of civilian injuries involved males between the ages of 35-44.



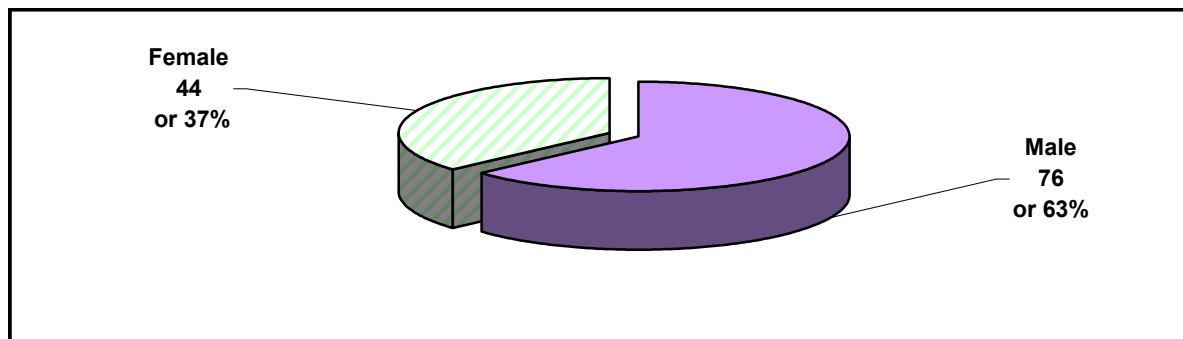
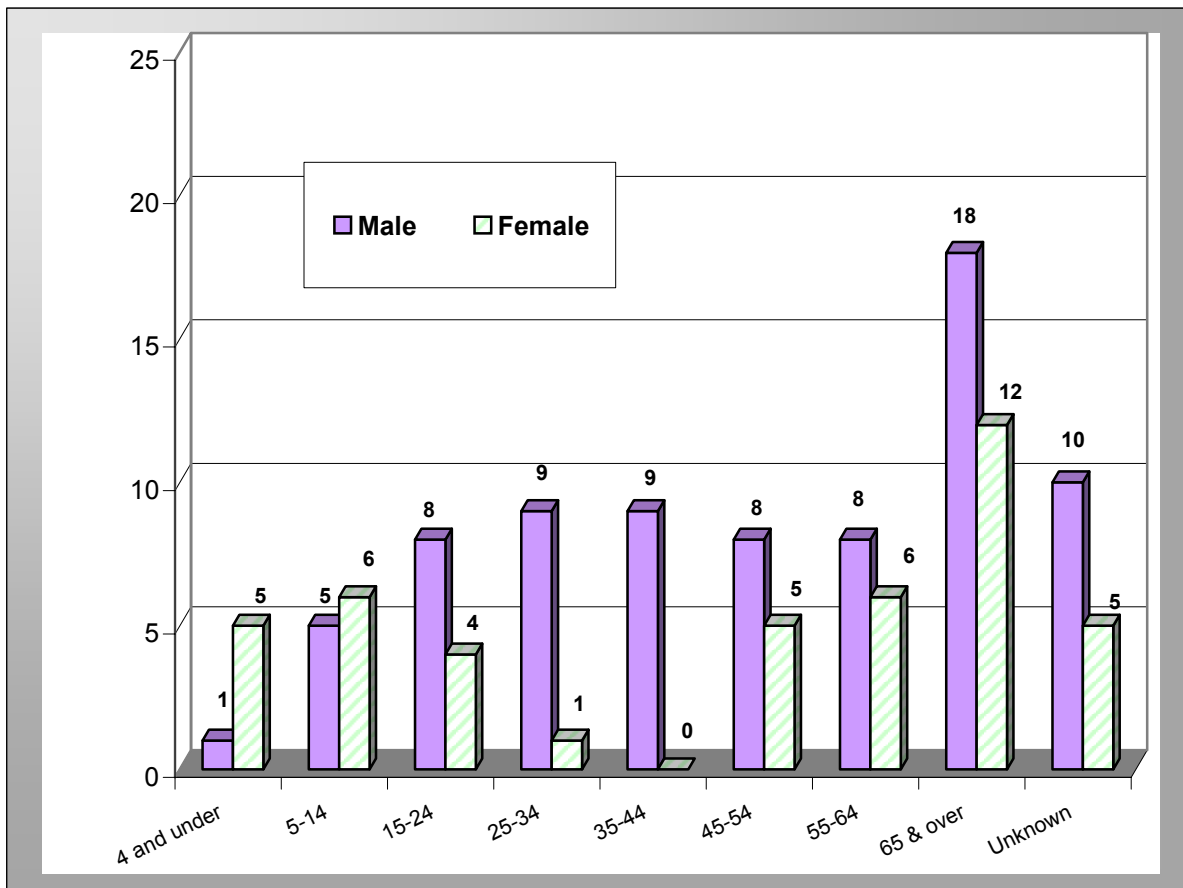
Civilian Deaths in All Fires

The following table shows the number of fire-related civilian deaths by age and gender.

Gender	4 and under	5-14	15-24	25-34	35-44	45-54	55-64	65 & over	Unknown	Totals
Male	1	5	8	9	9	8	8	18	10	76
Female	5	6	4	1	0	5	6	12	5	44
Totals	6	11	12	10	9	13	14	30	15	120

Most civilian fire-related deaths (25%) involved people age 65 and older.

Eighteen or (15%) of all civilian fire-related deaths involved males age 65 and over.



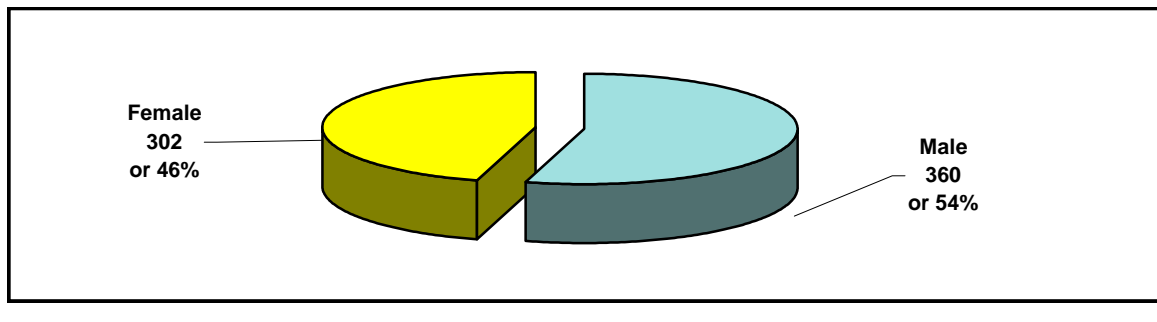
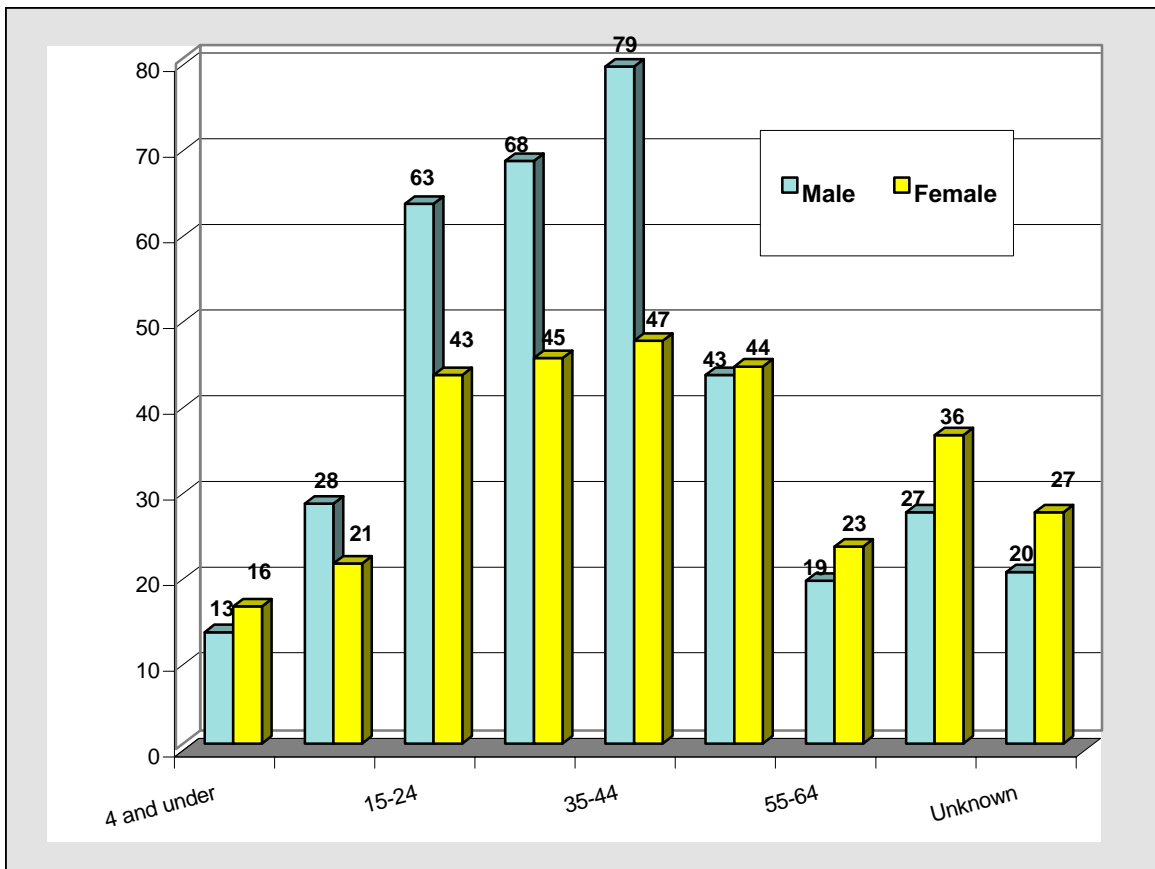
Civilian Injuries in Residential Structure Fires

The following table shows the number of fire-related civilian injuries in residential structure fires by age and

Gender	4 and under	5-14	15-24	25-34	35-44	45-54	55-64	65 & over	Unknown	Totals
Male	13	28	63	68	79	43	19	27	20	360
Female	16	21	43	45	47	44	23	36	27	302
Totals	29	49	106	113	126	87	42	63	47	662

Most civilian injuries in residential structure fires (19%) involved people between the ages 35-44.

79 or (12%) of civilian residential structure fire injuries involved males between the ages of 35-44.



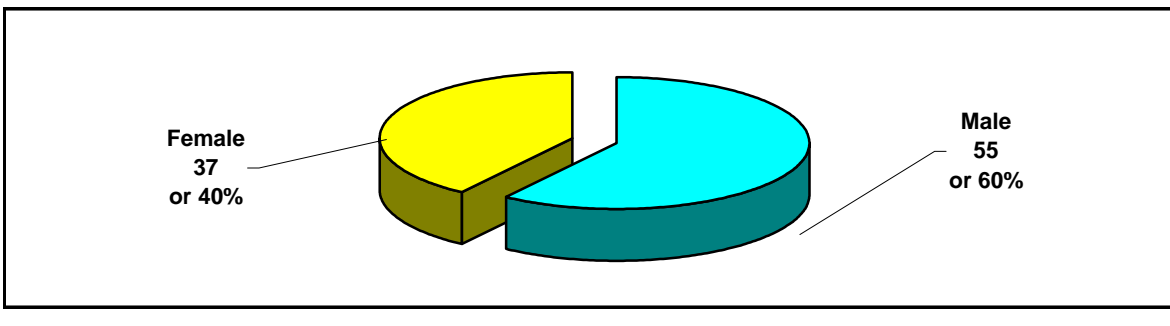
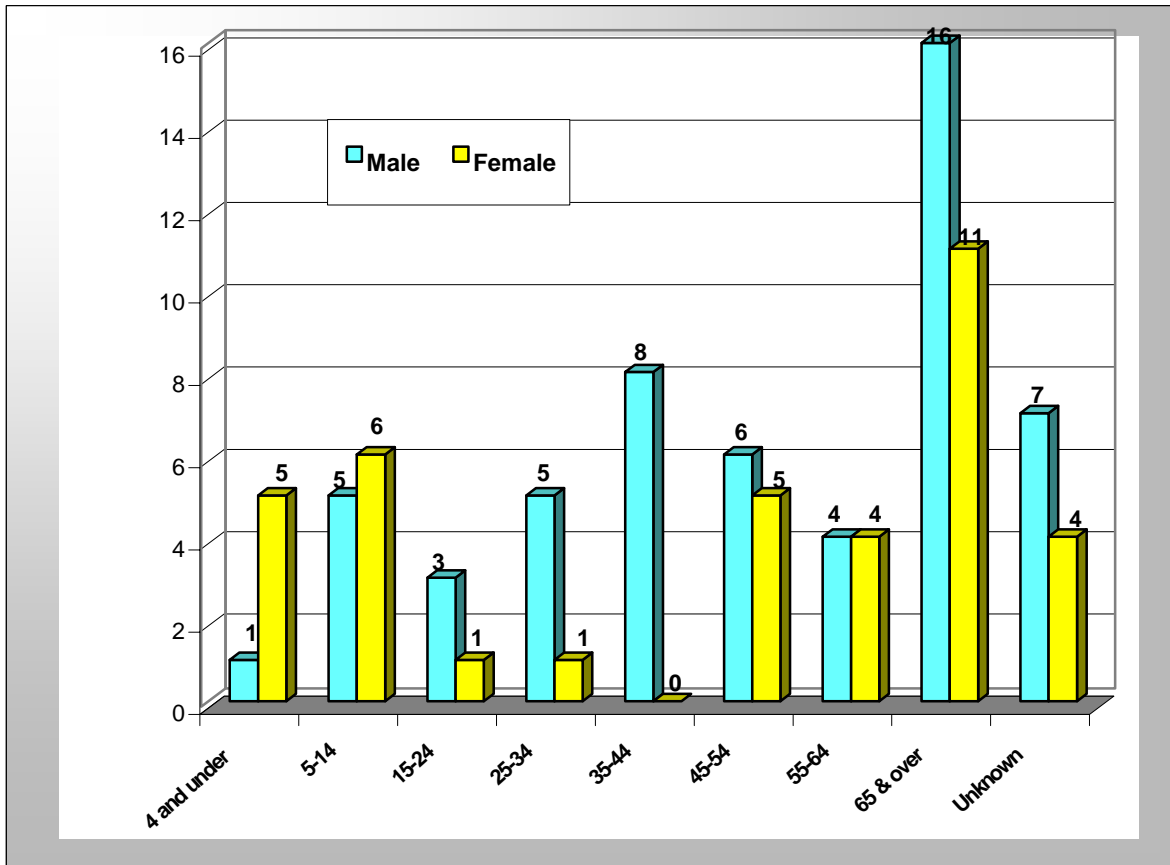
Civilian Deaths in Residential Structure Fires

The following table shows the number of fire-related civilian deaths in residential structure fires by age and gender.

Gender	4 and				65 &				Unknown	Totals
	under	5-14	15-24	25-34	35-44	45-54	55-64	over		
Male	1	5	3	5	8	6	4	16	7	55
Female	5	6	1	1	0	5	4	11	4	37
Totals	6	11	4	6	8	11	8	27	11	92

Most civilian deaths in residential structure fires (29%) involved people age **65 and over**.

Sixteen or (17%) of civilian residential structure fire deaths involved males age **65 and over**.



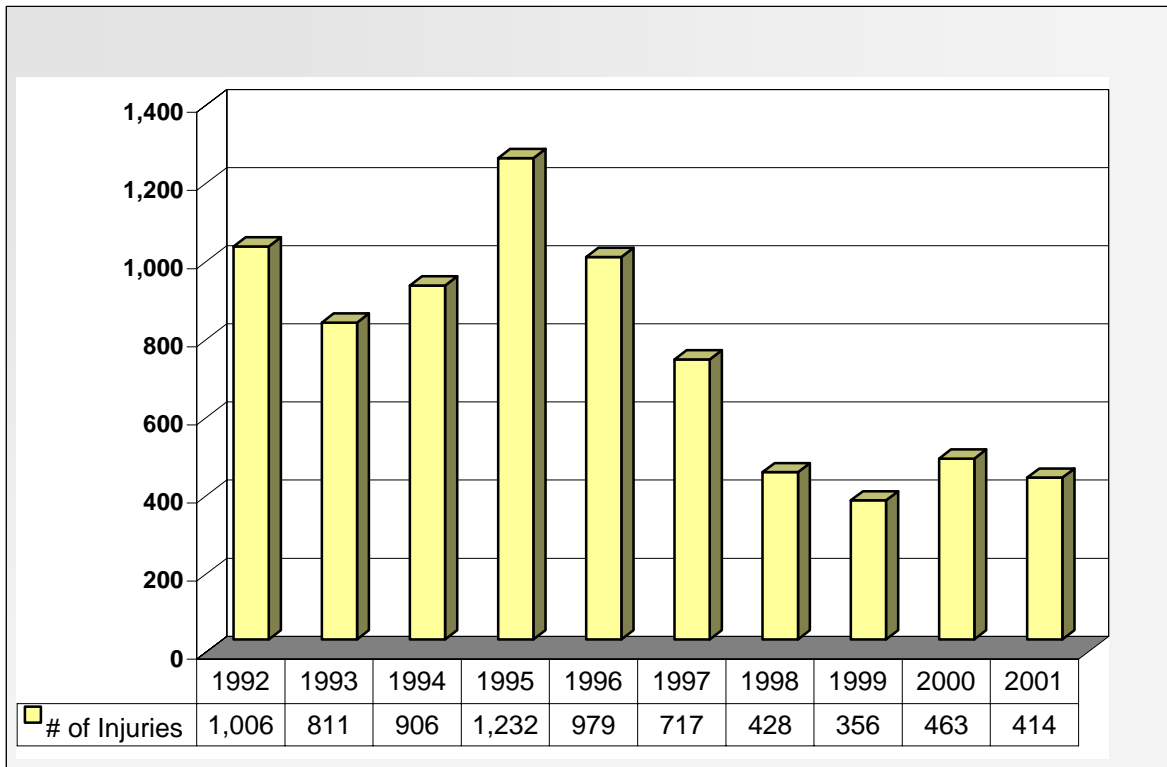
Fire Service Injuries, Deaths in All Incident Types

The table below shows the number of fire service deaths and injuries in all incidents. Mutual aid calls are included.

Incident Type	Injuries	Deaths
Fire	414	1
Overpressure rupture, explosion, overheat -no fire	1	0
Rescue and emergency medical service incidents	206	2
Hazardous conditions (No fire)	40	0
Service call	11	0
Good intent call	4	0
False alarm and false call	6	0
Severe weather and natural disaster	0	0
Special incident type	3	0
Totals	685	3

Fire Fighter Injuries 1992-2001

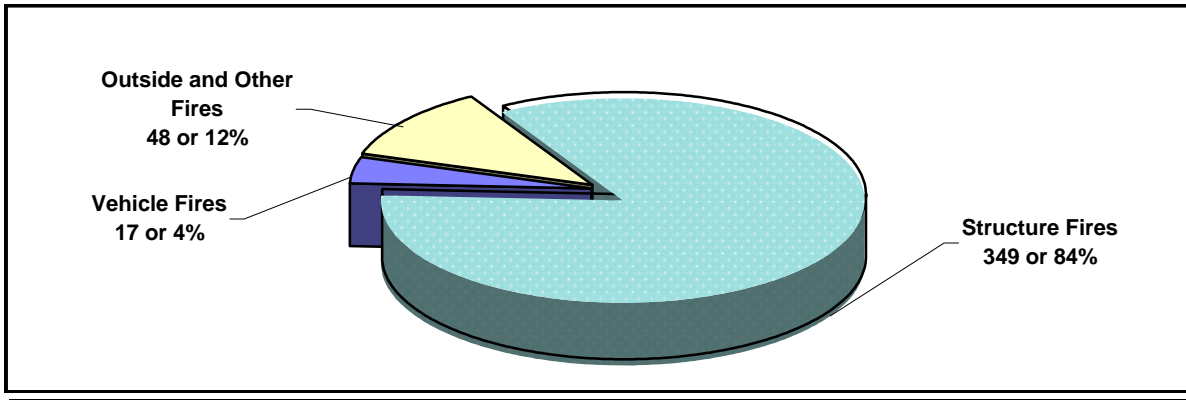
The chart below shows the number of fire-related fire service personnel injuries during the years 1992-2001.



Fire Service Injuries by Type of Fire

The following table shows the number of fire service personnel injuries by type of fire incident.

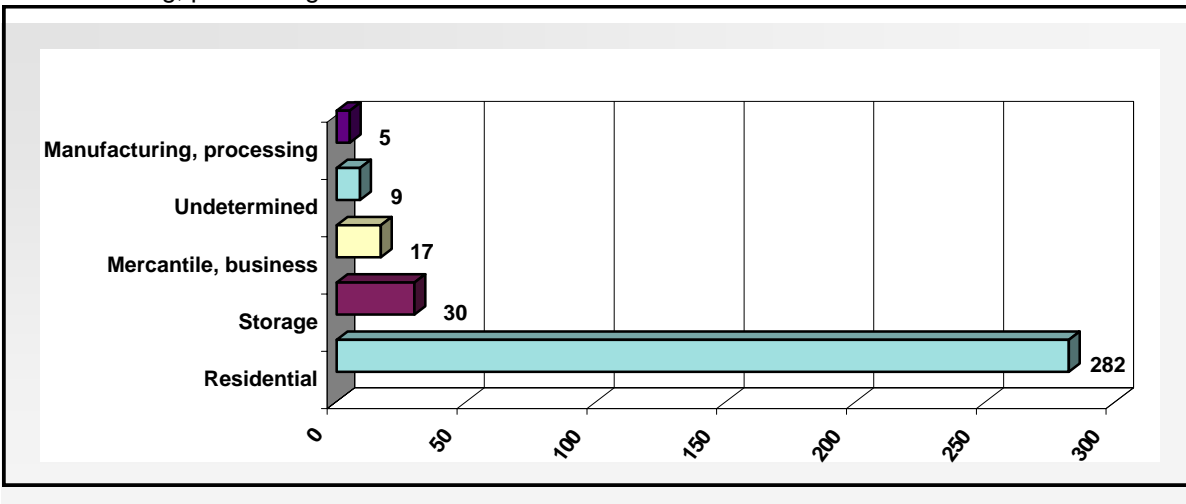
Type of Fire	Injuries
Structure Fires	349
Vehicle Fires	17
Outside and Other Fires	48



Most Frequent Fire Service Injuries by Property Use in Structures

The following table shows the number of fire service injuries in structures by type of property.

Property Use	Injuries
Residential	282
Storage	30
Mercantile, business	17
Undetermined	9
Manufacturing, processing	5



81% of all fire service injuries in structures occurred in residential property.

Fire Service Fatalities

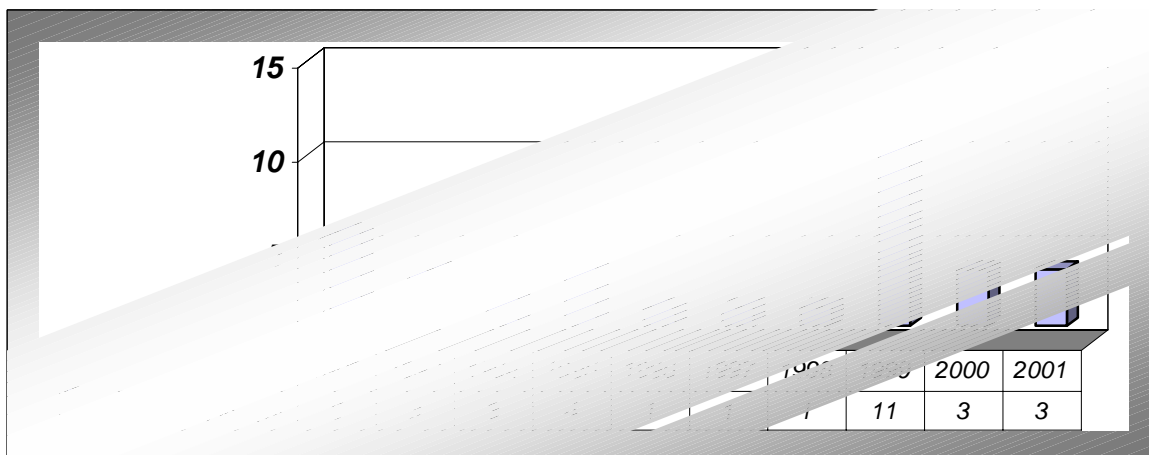
In 2001, participating fire departments reported three fire service personnel fatalities. Only data from reporting fire departments is reflected in this report.

Incident Type	Extrication/Rescue
Property Type	Bridge/trestle
Cause of Fire	Non-Fire
Date	15-Sep-01
Age	46
Sex	Male
Cause of Death	Fall
Nature of Death	Unknown

Incident Type	Structure Fire
Property Type	Residential
Cause of Fire	Unknown
Date	13-Oct-01
Age	40
Sex	Male
Cause of Death	Caught or Trapped
Nature of Death	Asphyxiation

Incident Type	Medical Assist
Property Type	Street/Road
Cause of Fire	Non-Fire
Date	24-Dec-01
Age	43
Sex	Male
Cause of Death	Stress/Exertion
Nature of Death	Heart Attack

Fire Fighter Fatalities 1992-2001



Fires By County

County	Reporting Departments	Total Fires	Structure Fires	Vehicle Fires	Outside and Other Fires
ANDERSON	2	24	3	4	17
ANDREWS	1	89	12	16	61
ANGELINA	3	231	80	68	83
ARANSAS	2	125	30	12	83
ARCHER	2	40	9	3	28
ARMSTRONG	1	1	0	0	1
AUSTIN	1	68	13	25	30
BAILEY	1	43	4	8	31
BASTROP	2	111	40	29	42
BELL	8	996	402	244	350
BEXAR	15	5,456	1,304	1,397	2,755
BOSQUE	3	83	7	8	68
BOWIE	6	524	174	130	220
BRAZORIA	10	291	100	64	127
BRAZOS	4	458	158	121	179
BRISCOE	1	18	3	3	12
BROWN	1	42	10	6	26
BURLESON	1	15	3	0	12
BURNET	3	186	32	36	118
CALDWELL	2	78	17	19	42
CALHOUN	1	66	21	6	39
CALLAHAN	1	20	3	4	13
CAMERON	7	1,715	302	368	1,045
CAMP	1	4	0	0	4
CARSON	2	83	8	11	64
CASS	7	190	55	39	96
CHAMBERS	1	4	3	1	0
CHEROKEE	3	222	57	48	117
CHILDRESS	1	66	13	9	44
CLAY	4	43	3	4	36
COKE	1	5	3	1	1
COLEMAN	1	63	14	11	38
COLLIN	10	934	257	183	494
COLLINGSWORTH	1	23	6	0	17
COLORADO	2	72	10	30	32
COMAL	5	354	84	80	190
COMANCHE	2	52	7	9	36
COOKE	3	150	49	39	62
CORYELL	6	252	74	37	141
CROSBY	1	1	1	0	0
DALLAM	2	13	0	5	8
DALLAS	22	12,109	3,444	3,486	5,179
DAWSON	1	79	15	13	51
DEAF SMITH	1	146	31	20	95
DELTA	1	43	11	10	22
DENTON	16	1,148	296	211	641
DEWITT	1	67	11	12	44

Fires By County

County	Reporting Departments	Total Fires	Structure Fires	Vehicle Fires	Outside and Other Fires
DICKENS	1	16	3	3	10
DIMITT	1	4	0	2	2
DONLEY	1	11	4	1	6
DUVAL	1	28	8	4	16
EASTLAND	4	143	23	18	102
ECTOR	1	607	153	83	371
EL PASO	4	2,332	474	556	1,302
ELLIS	14	628	168	140	320
ERATH	1	115	39	20	56
FALLS	1	45	19	7	19
FANNIN	5	147	39	35	73
FAYETTE	4	118	23	24	71
FISHER	1	1	1	0	0
FLOYD	1	36	9	4	23
FOARD	1	7	4	1	2
FORT BEND	11	618	158	142	318
FRANKLIN	1	21	2	3	16
FREESTONE	3	105	25	16	64
FRIO	2	116	24	19	73
GAINES	1	68	7	13	48
GALVESTON	8	958	341	248	369
GILLESPIE	2	14	3	4	7
GOLIAD	1	49	14	11	24
GONZALES	2	4	3	1	0
GRAY	4	255	51	23	181
GRAYSON	8	781	220	138	423
GREGG	5	602	183	139	280
GRIMES	1	9	0	2	7
GUADALUPE	6	296	69	58	169
HALE	1	126	22	25	79
HALL	1	55	8	5	42
HAMILTON	1	18	8	1	9
HANSFORD	1	27	4	2	21
HARDIN	1	5	2	1	2
HARRIS	16	10,288	3,653	3,353	3,282
HARRISON	6	311	79	67	165
HAYS	2	188	74	45	69
HENDERSON	8	321	67	58	196
HIDALGO	8	1,777	340	427	1,010
HILL	0	0	0	0	0
HOCKLEY	1	132	55	10	67
HOOD	2	45	7	7	31
HOPKINS	4	198	62	45	91
HOUSTON	2	115	43	21	51
HOWARD	1	81	24	18	39
HUNT	8	357	100	61	196
HUTCHINSON	1	41	11	9	21

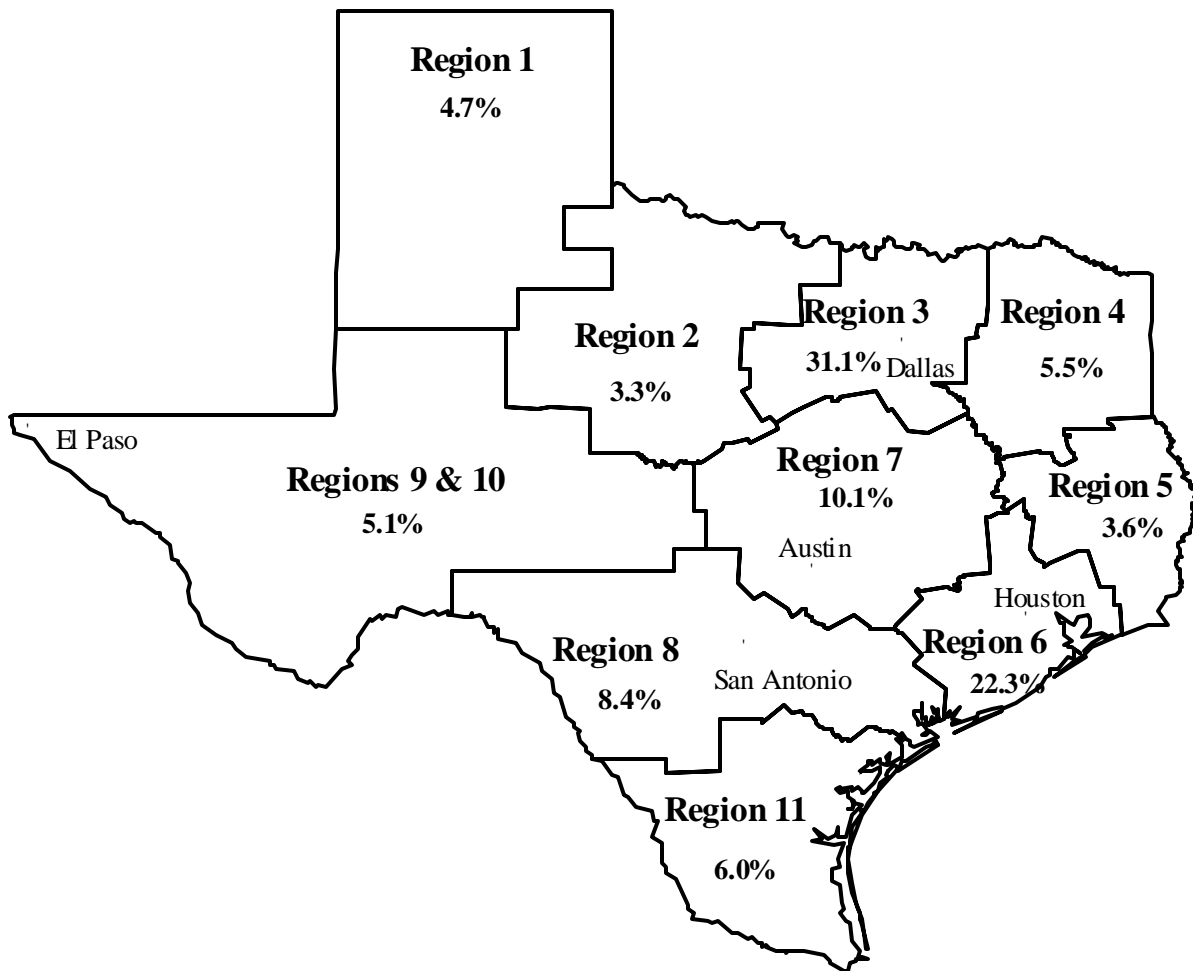
Fires By County

County	Reporting Departments	Total Fires	Structure Fires	Vehicle Fires	Outside and Other Fires
JACKSON	1	69	11	16	42
JASPER	1	142	54	25	63
JEFFERSON	5	739	233	150	356
JIM HOGG	1	20	7	6	7
JOHNSON	9	536	142	80	314
JONES	3	95	17	15	63
KARNES	1	36	6	1	29
KAUFMAN	7	341	83	70	188
KENDALL	4	110	29	22	59
KERR	3	82	19	16	47
KIMBLE	1	29	7	9	13
KLEBERG	1	117	21	24	72
LAMAR	1	14	2	3	9
LAMB	1	36	10	5	21
LAMPASAS	2	96	14	15	67
LAVACA	3	91	13	23	55
LEON	1	7	3	1	3
LIBERTY	2	84	29	21	34
LIMESTONE	3	91	30	12	49
LLANO	1	45	8	4	33
LUBBOCK	4	1,078	313	212	553
MADISON	0	0	0	0	0
MATAGORDA	1	104	45	17	42
MAVERICK	1	198	39	40	119
MCCULLOCH	2	62	15	6	41
MCLENNAN	11	1,033	341	246	446
MEDINA	5	170	32	31	107
MENARD	1	14	1	5	8
MIDLAND	2	493	168	101	224
MILAM	2	62	20	10	32
MILLS	1	5	0	0	5
MITCHELL	1	66	14	14	38
MONTAGUE	1	13	1	0	12
MONTGOMERY	6	612	193	144	275
MOORE	1	42	16	8	18
MORRIS	4	81	33	9	39
NACOGDOCHES	5	190	63	42	85
NAVARRO	5	252	70	51	131
NEWTON	2	33	12	4	17
NOLAN	1	10	2	1	7
NUECES	5	1,437	389	339	709
OCHILTREE	1	55	14	5	36
ORANGE	5	678	182	104	392
PALO PINTO	1	249	51	32	166
PARKER	9	146	30	23	93
POLK	3	39	9	9	21
POTTER	2	1,062	346	156	560

Fires By County

County	Reporting Departments	Total Fires	Structure Fires	Vehicle Fires	Outside and Other Fires
RANDALL	2	96	11	5	80
RED RIVER	2	51	17	10	24
REEVES	1	26	4	6	16
REFUGIO	2	36	3	12	21
ROBERTS	1	16	0	1	15
ROBERTSON	2	48	9	11	28
RUNNELS	1	46	8	10	28
RUSK	8	219	59	44	116
SABINE	2	19	9	1	9
SAN AUGUSTINE	0	0	0	0	0
SAN JACINTO	4	53	16	10	27
SAN PATRICIO	2	80	21	17	42
SAN SABA	2	16	5	1	10
SHELBY	3	127	49	21	57
SMITH	4	437	168	108	161
SOMERVELL	1	13	0	1	12
STARR	4	231	51	35	145
STEPHENS	1	104	30	21	53
SWISHER	1	48	8	10	30
TARRANT	19	5,194	1,533	1,287	2,374
TAYLOR	3	675	219	124	332
TERRY	2	73	19	16	38
TITUS	1	247	52	58	137
TOM GREEN	6	462	178	84	200
TRAVIS	4	2,389	685	673	1,031
TYLER	2	49	15	8	26
UPSHUR	3	169	43	20	106
UVALDE	1	3	3	0	0
VAL VERDE	2	248	58	50	140
VAN ZANDT	10	399	72	49	278
VICTORIA	11	100	13	19	68
WALKER	4	211	69	51	91
WALLER	2	53	15	20	18
WARD	1	4	4	0	0
WASHINGTON	1	62	18	20	24
WEBB	1	536	77	133	326
WHARTON	3	198	49	64	85
WHEELER	1	88	17	7	64
WICHITA	3	997	285	154	558
WILBARGER	1	148	36	19	93
WILLACY	1	14	4	2	8
WILLIAMSON	6	393	110	73	210
WILSON	4	50	12	9	29
WINKLER	1	2	1	0	1
WISE	3	17	5	0	12
WOOD	2	99	15	14	70
ZAPATA	1	19	3	6	10
ZAVALA	1	63	13	7	43

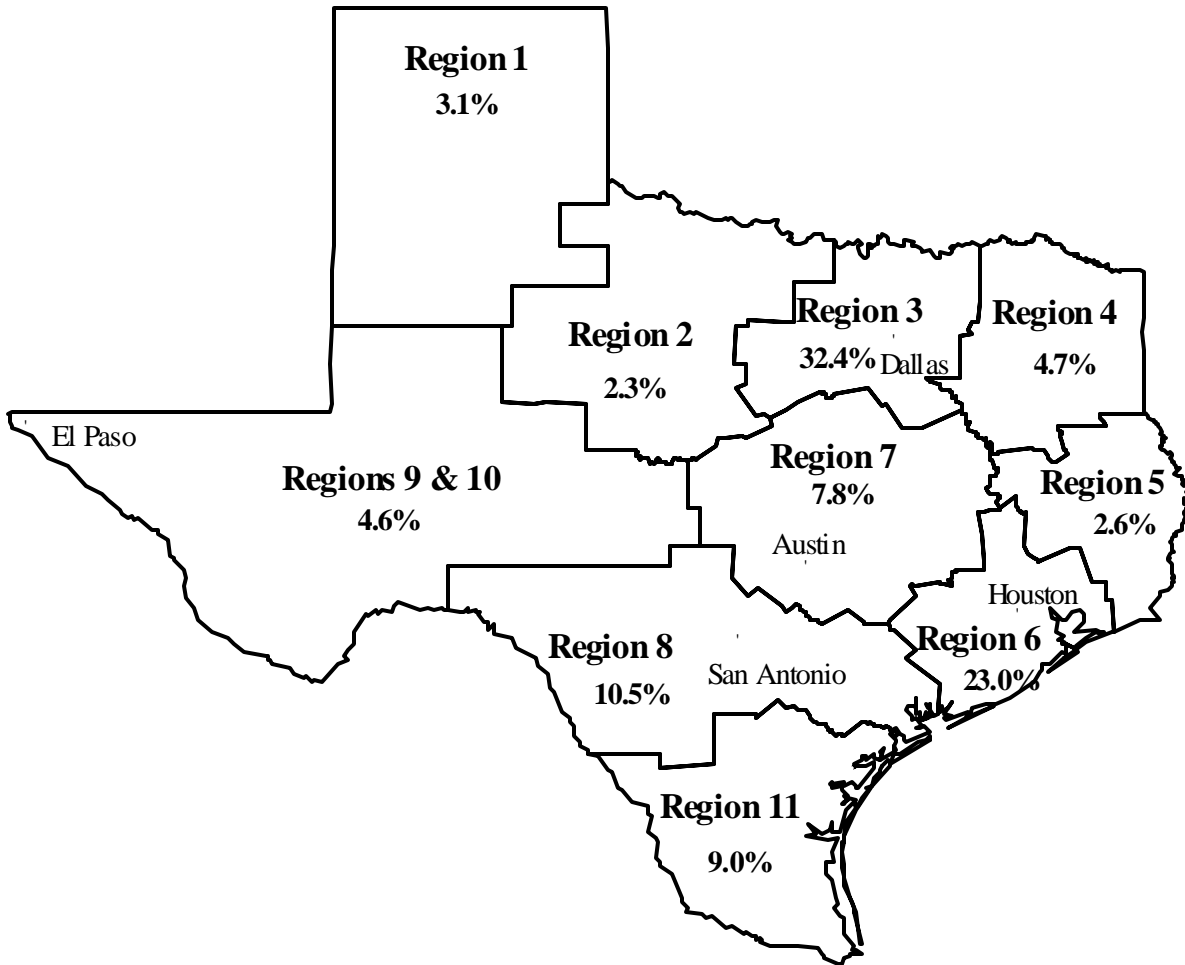
2001 Structure Fires



Texas fire departments reported a total of 21,033 structure fires.

Region 1	4.7%	987	
Region 2	3.3%	686	
Region 3	31.1%	6,533	Dallas Fire Department 2,182 (10% of the state total)
Region 4	5.5%	1,154	
Region 5	3.6%	767	
Region 6	22.2%	4,678	Houston Fire Department 3,316 (16% of the state total)
Region 7	10.1%	1,723	Austin Fire Department 651 (3% of the state total)
Region 8	8.4%	1,934	San Antonio Fire Department 1,194 (6% of the state total)
Region 9 and 10	5.1%	913	El Paso Fire Department 448 (2% of the state total)
Region 11	6.0%	1,658	

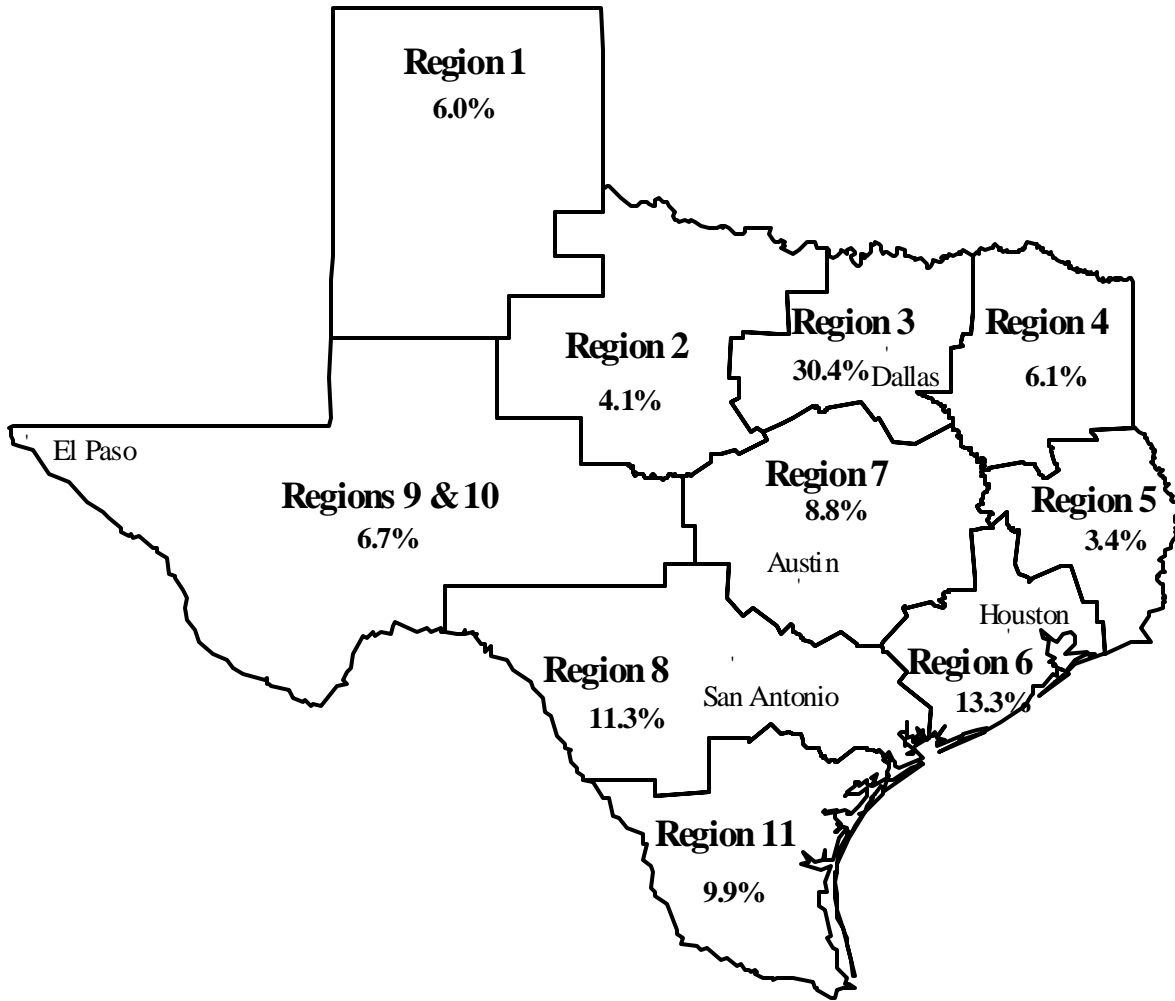
2001 Vehicle Fires



Texas fire departments reported a total of 18,118 vehicle fires.

Region 1	3.1%	563	
Region 2	2.3%	414	
Region 3	32.4%	5,864	Dallas Fire Department 2,423 (13.4% of the state total)
Region 4	4.7%	858	
Region 5	2.6%	464	
Region 6	23.0%	4,180	Houston Fire Department 3,082 (17% of the state total)
Region 7	7.8%	1,411	Austin Fire Department 638 (3.5% of the state total)
Region 8	10.5%	1,907	San Antonio Fire Department 1,304 (7.2% of the state total)
Region 9 and 10	4.6%	828	El Paso Fire Department 538 (3% of the state total)
Region 11	9.0%	1,629	

2001 Outside and Other Fires



Texas fire departments reported a total of 35,463 outside and other fires.

Region 1	6.0%	2,137	
Region 2	4.1%	1,465	
Region 3	30.4%	10,765	Dallas Fire Department 3,596 (10.1% of the state total)
Region 4	6.1%	2,164	
Region 5	3.4%	1,189	
Region 6	13.3%	4,703	Houston Fire Department 2,850 (8.0% of the state total)
Region 7	8.8%	2,779	Austin Fire Department 930 (2.6% of the state total)
Region 8	11.3%	4,412	San Antonio Fire Department 2,564 (7.2% of the state total)
Region 9 and 10	6.7%	2,005	El Paso Fire Department 1,209 (3.4% of the state total)
Region 11	9.9%	3,844	



Participating Fire Departments

The Texas Department of Insurance would like to thank the following fire departments that submitted reports to the Texas Fire Incident Reporting System (TEXFIRS) in 2001. This report would not have been possible without their continued cooperation, efforts, and support.

- | | | |
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| <input type="checkbox"/> Abilene FD | <input type="checkbox"/> Belmont VFD | <input type="checkbox"/> C-5 VFD |
| <input type="checkbox"/> Ables Springs FD | <input type="checkbox"/> Belton FD | <input type="checkbox"/> Callender Lake VFD |
| <input type="checkbox"/> Addison FD | <input type="checkbox"/> Benbrook FD | <input type="checkbox"/> Cameron VFD |
| <input type="checkbox"/> Adell-Whitt VFD | <input type="checkbox"/> Berryville VFD | <input type="checkbox"/> Camilla VFD |
| <input type="checkbox"/> Alamo Heights FD | <input type="checkbox"/> Bertram VFD | <input type="checkbox"/> Canton VFD |
| <input type="checkbox"/> Alamo Springs VFD | <input type="checkbox"/> Beverly Hills FD | <input type="checkbox"/> Canyon Lake Fire/EMS |
| <input type="checkbox"/> Allen FD | <input type="checkbox"/> Big Spring FD | <input type="checkbox"/> Canyon Lake VFD |
| <input type="checkbox"/> Alvarado FD | <input type="checkbox"/> Bishop VFD | <input type="checkbox"/> Carlisle VFD |
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| <input type="checkbox"/> Appleby FD | <input type="checkbox"/> Boerne VFD | <input type="checkbox"/> Cass County RFD #1 |
| <input type="checkbox"/> Aransas Pass FD | <input type="checkbox"/> Bonham FD | <input type="checkbox"/> Cass County RFD #2 |
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| <input type="checkbox"/> Ballinger FD | <input type="checkbox"/> Bridge City F&R | <input type="checkbox"/> Childress FD |
| <input type="checkbox"/> Bardwell VFD | <input type="checkbox"/> Briggs VFD | <input type="checkbox"/> Church Hill VFD |
| <input type="checkbox"/> Bastrop VFD | <input type="checkbox"/> Brinker VFD | <input type="checkbox"/> Cisco FD |
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- Colleyville FD
- Collinsville FD
- Colorado City VFD
- Columbus VFD
- Comanche VFD
- Combine FD
- Comfort VFD
- Commerce FD
- Conroe FD
- Converse VFD
- Cool & Garner FD
- Cooper VFD
- Coppell FD
- Copperas Cove FD
- Corbet/Oak Valley VFD
- Corpus Christi FD
- Corrigan VFD
- Corsicana FD
- County Road 143 VFD
- Crabbs Prairie VFD
- Crandall VFD
- Crims Chapel VFD
- Crockett VFD
- Crowell VFD
- Crowley FD
- Crystal City VFD
- Cuero FD
- Cut N Shoot VFD
- Cypress Creek VFD
- Dacasta VFD
- Daingerfield VFD
- Dalhart VFD
- Dallas FD
- Damon VFD
- Dawson VFD
- Dean Dale VFD
- Deanville VFD
- DeKalb VFD
- Del Rio FD
- Denison FD
- Denton FD
- Deport VFD
- DeSoto VFD
- Devine VFD
- Deweyville FD
- DFW Airport DPS
- Dickinson VFD
- Dilley VFD
- Dodd City VFD
- Double Oak FD
- Dumas FD
- Duncanville FD
- Eagle Creek VES
- Eagle Pass FD
- Earl's Chapel VFD
- East Concho VFD
- East Tx Regional Airport PSD
- East Wise F&R
- Eastland VFD
- Eastside VFD
- Ector FD
- Edinburg FD
- Edna VFD
- El Campo FD
- El Paso FD
- Ellis County ESD #1/Maypearl
- Elmwood VFD
- Elsa FD
- Ennis FD
- Etoile VFD
- Euless FD
- Eustace VFD
- Evant VFD
- Everman FD
- Ewell VFD
- Fairchild FD
- Fairfield VFD
- Fairmount VFD
- Farmers Branch FD
- Ferris FD
- Flatonia VFD
- Flint-Gresham VFD
- Flour Bluff VFD
- Flower Mound FD
- Floydada VFD
- Fordtran VFD
- Forest Hill FD
- Fort Worth FD
- Fredericksburg VFD
- Freer VFD
- Fresno VFD
- Friendswood FD
- Frisco VFD
- Fruitvale VFD
- Fulshear Simonton VFD
- Gainesville FD
- Galveston FD
- Garrett Area VFD
- Gatesville FD
- Georgetown FD
- Geronimo VFD
- Gholson VFD
- Gilmer FD
- Gladewater FD
- Glenn Heights FD
- Godley FD
- Goliad VFD
- Gonzales FD
- Grand Prairie FD
- Grand Saline VFD
- Grape Creek VFD
- Grapeland VFD
- Grapevine FD
- Greenville FD
- Greenwood RVFD
- Groesbeck FD
- Groves VFD
- Gun Barrel City FD
- Hallettsville VFD
- Hallsville FD
- Hardin VFD
- Harker Heights FD
- Harlingen FD
- Harmony VFD
- Harrison County FM
- Harrison County RFPD #2
- Hawley VFD
- Henderson FD
- Hereford FD
- Hico VFD
- Hidalgo VFD
- Highland Park DPS
- Highland Village FD
- Hilltop Lakes VFD
- Holiday Beach FD
- Holiday Lakes VFD
- Holliday VFD
- Hondo VFD
- Hooks VFD
- Hoover VFD
- Hopkins County F&R
- Houston FD
- Howard Wick VFD
- Howe FD

- Hughes Springs VFD
- Humble FD
- Huntsville FD
- Hurst FD
- Hutchins VFD
- Idalou VFD
- Indian Springs FD
- Inez VFD
- Ingleside VFD
- Ingram VFD
- Iowa Colony VFD
- Iredell VFD
- Irving FD
- Italy VFD
- Jacinto City VFD
- Jacksonville FD
- Jasper FD
- Jenkins VFD
- Jersey Village FD
- Jim Hogg County FD #2
- Joaquin VFD
- Jolly VFD
- Jollyville VFD
- Jonesboro VFD
- Joshua FD
- Joy VFD
- Junction VFD
- Justin FD
- Karnes City FD
- Katy VFD
- Keene FD
- Keller F&R
- Kemah VFD
- Kemp VFD
- Kempner VFD
- Kendalia FD
- Kennedale FD
- Kerens VFD
- Kerrville FD
- Kicaster VFD
- Kilgore FD
- Killeen FD
- Kingsbury VFD
- Kingsville FD
- Kingtown VFD
- Knippa FD
- Kountze VFD
- Krum VFD
- La Casita FD
- La Feria VFD
- La Grange VFD
- Lacy Lakeview VFD
- Laguna Vista VFD
- Lake Bridgeport VFD
- Lake Brownwood VFD
- Lake Cities VFD
- Lake Conroe VFD
- Lake Mexia VFD
- Lake Nacogdoches Area VFD
- Lake Tanglewood VFD
- Lamesa FD
- Lampasas FD
- Lancaster FD
- Laredo FD
- League City FD
- Leander FD
- Lefors VFD
- Leon Valley FD
- Leroy VFD
- Levelland FD
- Levita FD
- Lewisville FD
- Liberty Chapel VFD
- Liberty FD
- Lillian VFD
- Linden VFD
- Lindsay VFD
- Little Elm VFD
- Littlefield FD
- Live Oak FD
- Liverpool VFD
- Llano VFD
- Lockhart FD
- Lone Oak FD
- Lone Star VFD
- Lone Tree Community VFD
- Longhorn VFD
- Longview FD
- Lorena VFD
- Lorenzo FD
- Louise FD
- Lubbock FD
- Lufkin FD
- Luling FD
- Lyford VFD
- Mabank VFD
- Macedonia VFD
- Malakoff VFD
- Manor VFD
- Mansfield FD
- Manvel VFD
- Marble Falls VFD
- Marietta VFD
- Marlin FD
- Marshall FD
- Mart VFD
- Mauriceville VFD
- Mayhill-Copper Creek VFD
- McAllen FD
- McFaddin VFD
- McKinney FD
- McLean VFD
- McQueeney VFD
- Meadow VFD
- Memphis FD
- Menard VFD
- Mercedes FD
- Merit VFD
- Merkel VFD
- Mesquite FD
- Mexia FD
- Miami VFD
- Midland FD
- Midlothian FD
- Milford VFD
- Mineola FD
- Mineral Wells FD
- Mission FD
- Mission Valley VFD
- Missouri City FD
- Moffat VFD
- Montalba FD
- Montana Vista FD
- Montgomery FD
- Morgan Point VFD
- Moulton VFD
- Mount Vernon VFD
- Mountain Home VFD
- Mt. Pleasant VFD
- Muleshoe VFD
- Murphy F&R
- Myrtle Springs VFD
- Nacogdoches FD
- Naples FD

- Nassau Bay VFD
- Natalia VFD
- Navarro VFD
- Nederland F&R
- Needville VFD
- New Boston VFD
- New Braunfels FD
- New London VFD
- New Salem FD
- New Summerfield VFD
- Newton FD
- North Hood County VFD
- North Montgomery County VFD
- North Richland Hills FD
- Northeast F&R
- Northeast Midland County VFD
- Northwest VFD
- Nursery VFD
- Oak Hurst VFD
- Odessa FD
- Ogburn FD
- Oglesby FD
- Old River-Winfree VFD
- Olden FD
- Orange County ESD #1
- Orange FD
- Osage VFD
- Overton FD
- Ovilla VFD
- Pampa FD
- Panhandle VFD
- Pantego FD
- Pattison Area VFD Inc.
- Pearsall VFD
- Peaster VFD
- Pecan Creek VFD
- Pecan Grove VFD
- Pecos FD
- Perryton FD
- Pharr FD
- Pilot Point FD
- Pinehurst VFD
- Pittsburg FD
- Placedo VFD
- Plainview FD
- Plano FD
- Pleasant Grove VFD
- Point Blank VFD
- Ponder VFD
- Port Arthur FD
- Port Isabel FD
- Port Lavaca FD
- Port Neches FD
- Potter County F&R
- Pottsboro FD
- Preston FD
- Promontory Park VFD
- Prosper FD
- Quail Creek FD
- Quinlan VFD
- Raisin VFD
- Randolph VFD
- Ravenna VFD
- Red Oak VFD
- Red Springs VFD
- Redwater VFD
- Refugio VFD
- Reno FD
- Richards VFD
- Richardson FD
- Richland Hills FD
- Richwood VFD
- Riesel VFD
- Rio Grande City FD
- Rio Hondo VFD
- Rising Star FD
- Rivercrest/Redland VFD
- Riverside VFD
- Roanoke VFD
- Robert Lee VFD
- Robinson VFD
- Robstown VFD
- Rock Island VFD
- Rockdale VFD
- Rockport VFD
- Rolling Oaks VFD
- Rosehill VFD
- Rosenberg FD
- Rosita VFD
- Rosser VFD
- Rotan VFD
- Round Rock VFD
- Rowlett FD
- Sachse FD
- Saginaw FD
- Salado VFD
- San Angelo FD
- San Antonio FD
- San Benito VFD
- San Elizario FD
- San Isidro FD
- San Leon VFD
- San Marcos FD
- San Saba VFD
- Sand Hills VFD
- Sandy Oaks FD
- Sanger FD
- Schertz FD
- Schulenburg VFD
- Seagoville FD
- Sealy VFD
- Seguin FD
- Selma FD
- Seminole VFD
- Shallowater VFD
- Shamrock Shores VFD
- Shamrock VFD
- Shavana Park FD
- Shelbyville VFD
- Sherman FD
- Sherwood Shores FD
- Silver Creek VFD
- Silverton VFD
- Slaton VFD
- Smithville VFD
- Somervell County VFD
- South Brazos County FD
- South Houston FD
- South Montgomery VFD
- South Nacogdoches County VFD
- South Polk County VFD
- South Van Zandt VFD
- Southlake FD
- Southside Place FD
- Spearman VFD
- Spring Branch FD
- Spur VFD
- St. Hedwig VFD
- Stafford VFD
- Stamford FD
- Star FD
- Stephenville FD
- Stockdale VFD
- Sugar Land FD

- Sulphur Springs FD
- Sunset VFD
- Sweetwater FD
- Taft VFD
- Tatum FD
- Teague FD
- Telferner VFD
- Temple FD
- Tennessee Colony FD
- Terrell FD
- Terrell Hills FD
- Texarkana FD
- Texas City FD
- Texline VFD
- The Woodlands VFD
- Thomas Lake VFD
- Thompsons VFD
- Tierra Linda VFD
- Timbercreek Canyon VFD
- Tin Top VFD
- Tolar VFD
- Travis County Fire Control
- Trinidad VFD
- Troy VFD
- Tulia VFD
- Tye FD
- Tyler FD
- Universal City FD
- University Park FD
- Val Verde County RVFD
- Valley Mills VFD
- Valley View FD
- Van Zandt Midway VFD
- Vernon FD
- Village FD
- Voca VFD
- Waco FD
- Wall VFD
- Walnut Springs VFD
- Warren VFD
- Watauga VFD
- Waterwood VFD
- Waxahachie FD
- Waxahachie Rural VFD
- Wayside Emergency Team
- Weir FD
- Wellington FD
- Weslaco FD
- West I-10 VFD
- West Tawakoni FD
- West Valley VFD
- Westlake FD/TCESD #9
- Westside VFD
- Wharton VFD
- White Deer VFD
- White Oak VFD
- Whitehouse VFD
- Whitton RVFD
- Wichita Falls FD
- Wichita West VFD
- Wickett VFD
- Wild Peach VFD
- Willow Park VFD
- Wills Point FD
- Wimberley VFD
- Winchester Area VFD
- Windcrest VFD
- Windthorst VFD
- Wink VFD
- Wolfe City VFD
- Woodlawn VFD
- Woodville VFD
- Woodway DPS FS
- Wylie FD
- Yancey VFD
- Yoakum FD
- Zapata County FD
- Zavalla VFD

TEXFIRS 2001

Five-Year Incident Comparison

	1997	1998	1999	2000	2001
FIRES					
Structure	23,034	20,881	20,279	21,134	21,033
Vehicle	21,203	19,230	18,900	18,440	18,118
Other Fires	<u>38,389</u>	<u>40,137</u>	<u>39,770</u>	<u>43,269</u>	<u>35,463</u>
TOTAL FIRES	82,626	80,248	78,949	82,843	74,614
OVERPRESSURE RUPTURES	2,046	2,209	2,133	2,883	3,113
RESCUE/EMS CALLS	328,627	342,719	339,910	380,675	432,331
HAZARDOUS CONDITION CALLS	43,395	43,316	40,566	43,839	49,774
SERVICE CALLS	53,197	57,548	54,827	60,596	61,280
GOOD INTENT CALLS	90,023	90,155	88,024	97,278	97,104
FALSE CALLS					
Malicious	13,263	13,088	12,366	12,830	13,235
Other False Calls	<u>88,771</u>	<u>91,008</u>	<u>92,775</u>	<u>102,712</u>	<u>106,621</u>
TOTAL FALSE CALLS	102,034	104,096	105,141	115,542	119,856
SEVERE WEATHER AND NATURAL DISASTER*				164	436
MUTUAL AID GIVEN	15,564	22,183	19,565	19,113	18,867
ALL OTHER CALLS	8,233	9,849	9,804	11,950	12,025
TOTAL CALLS	725,745	752,323	738,919	814,883	869,400
TOTAL DOLLAR LOSS	<u>\$ 381,742,405</u>	<u>\$352,395,715</u>	<u>\$376,531,754</u>	<u>\$ 367,632,909</u>	<u>\$ 396,384,970</u>

*new category



Texas Department of Insurance
State Fire Marshal's Office, Mail Code 112-FM
333 Guadalupe • P. O. Box 149221, Austin, Texas 78714-9221