

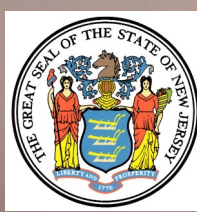


# FIRE IN NEW JERSEY 2011

**Division of Fire Safety**

**State of New Jersey**

**Department of Community Affairs**



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State of New Jersey  
DEPARTMENT OF COMMUNITY AFFAIRS  
101 SOUTH BROAD STREET  
PO Box 809  
TRENTON, NJ 08625-0809

CHRIS CHRISTIE  
*Governor*

KIM GUADAGNO  
*Lt. Governor*

RICHARD E. CONSTABLE, III  
*Commissioner*

October, 2012

The Department of Community Affairs and its Division of Fire Safety are please to present, Fire in New Jersey, 2011. This annual report analyses data provided voluntarily from over 90% of New Jersey Fire Departments. It allows us to identify where and why fires occur so that we can amend fire codes and develop fire safety education programs to combat the fire problem.

This report would not be possible if it were not for the participation of the vast majority of New Jersey's Fire Department. The percentage of departments providing their response data exceed that in many States where reporting is mandatory. In addition, the staff of the Division of Fire Safety's Fire Incident Reporting Unit work tirelessly with fire departments to ensure that their data is not only submitted, but is as accurate as possible. And lastly, guidance from the New Jersey Fire Safety Commission's Statistics and Information Advisory Council helps us to maintain strategies to encourage participation as well as analyses the data and make recommendations to the full commission.

The fire service no longer responds to just fires. It is responsible to respond to many types of emergency situations, and this report captures those activities as well. We encourage you to review the report and support the challenges that the fire service faces in protecting the lives and property of the residents of New Jersey.

---

Richard E. Constable, III  
Commissioner

---

William Kramer, Jr.  
Director/Acting State Fire Marshal





**DEDICATION**

*We honor the firefighters who selflessly gave their lives  
to protect the citizens of their communities.*

**Thomas Shields**  
Flanders Fire Department

**Andrew K. Boyt**  
Cape May Fire Department

**Jonathan Young**  
Roselle Fire Department

# **FIRE IN NEW JERSEY**

# **2011**

**PREPARED BY:**  
Heather Puskar-Allen  
State Program Manager/Supervisor  
Fire Incident Reporting Unit

New Jersey Division of Fire Safety  
P.O. Box 809  
Trenton, New Jersey 08625

# CONGRATULATIONS

TO THE FOLLOWING COUNTIES

FOR **100%** PARTICIPATION



CAPE MAY  
ESSEX



HUDSON  
MERCER



SALEM  
UNION



# TABLE OF CONTENTS

<b><u>Introduction</u></b>	<b><u>8</u></b>
<b><u>NFIRS Contact Information</u></b>	<b><u>9</u></b>
<b><u>Report Contents</u></b>	<b><u>10</u></b>
<b><u>Fast Stats</u></b>	<b><u>11</u></b>
<b><u>Fire Clock</u></b>	<b><u>12</u></b>
<b><u>Firefighter Line-of-Duty Deaths</u></b>	<b><u>13</u></b>
<b><u>Firefighter Injuries</u></b>	<b><u>14</u></b>
<u>Cause of Firefighter Injuries</u>	<u>15</u>
<u>Severity of Firefighter Injuries</u>	<u>16</u>
<b><u>Civilian Fire Fatalities</u></b>	<b><u>19</u></b>
<u>Civilian Fire Fatalities by Property Uses</u>	<u>21</u>
<u>Reported Causes of Civilian Fire Fatalities</u>	<u>23</u>
<u>Civilian Fire Fatalities and Detector Presence</u>	<u>24</u>
<b><u>Civilian Fire Injuries</u></b>	<b><u>26</u></b>
<b><u>Fire Department Responses</u></b>	<b><u>29</u></b>
<b><u>Incident Responses by County</u></b>	<b><u>31</u></b>
<b><u>Fire Incidents by Month</u></b>	<b><u>52</u></b>
<b><u>Fire Incidents</u></b>	<b><u>54</u></b>
<u>Structure Fires by Property Use Categories</u>	<u>56</u>
<u>Cause of Ignition</u>	<u>60</u>
<u>Factors Contributing to Ignition</u>	<u>61</u>
<u>Fire Suppression Factors</u>	<u>64</u>
<u>Equipment Involved in Ignition</u>	<u>66</u>
<u>Heat Sources of Fires</u>	<u>69</u>
<u>Area of Fire Origin</u>	<u>71</u>
<b><u>Detector Presence and Performance</u></b>	<b><u>75</u></b>
<b><u>Automatic Extinguishment System Presence and Performance</u></b>	<b><u>80</u></b>
<b><u>School Fires</u></b>	<b><u>85</u></b>
<b><u>Nursing Home Fires</u></b>	<b><u>91</u></b>
<b><u>Restaurant Fires</u></b>	<b><u>92</u></b>
<b><u>Vehicle Fires</u></b>	<b><u>93</u></b>
<b><u>Wildland Fires</u></b>	<b><u>96</u></b>
<b><u>Hazardous Materials Releases</u></b>	<b><u>98</u></b>
<b><u>Special Studies</u></b>	<b><u>100</u></b>
<b><u>Investigation Unit Statistical Report</u></b>	<b><u>101</u></b>
<b><u>Incident Type Codes &amp; Descriptions</u></b>	<b><u>102</u></b>

# INTRODUCTION

FIRE IN NEW JERSEY 2011 is a statistical analysis of fire and emergency incidents in New Jersey. The data collected and used in the formulation of this report comes from fire departments throughout New Jersey that participate in the National Fire Incident Reporting System (NFIRS). Fire service personnel enter incident data into their fire department computer-based NFIRS database and, on a monthly basis, submit their data to the Division of Fire Safety. The Division receives the fire department data, processes it into the State NFIRS database and forwards the data to the Federal NFIRS database.

## NFIRS BACKGROUND

The Federal Fire Prevention and Control Act of 1974 (P.L. 93-948) authorized the National Fire Data Center in the United States Fire Administration (USFA) to gather and analyze information on the frequency, causes, spread, and extinguishment of fires; on the number, nature and causes of injuries and deaths resulting from fires and on property loss.

## FIRE INCIDENT REPORTING IN NEW JERSEY

The data used in this report is from fire departments that participate in the NFIRS. The statutes that created the Division of Fire Safety call for the Division to administer a fire incident reporting system in accordance with N.J.S.A. 52:27D-25d.(d.) To encourage participation, the Division of Fire Safety provides reference materials, incident field notes, and training to fire departments. The incident data that fire departments submit to the Division is forwarded to the National Fire Data Center at the United States Fire Administration. The Division began implementation of NFIRS 5 in 1999 and all of the data used in this report is from NFIRS 5. NFIRS 5 is an all-incident based reporting system which captures the many different types of incidents to which fire departments respond. Please see pages [102 to 108](#) for a complete list of incident types.



Front cover picture courtesy of Bill Tompkins.

Dedication page picture courtesy of John Honer.



# NFIRS CONTACT INFORMATION

The Division of Fire Safety provides NFIRS staff to assist fire departments with NFIRS training and technical support. Please feel free to contact your NFIRS Field Representative.

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This report would not be possible without the hard work, support and dedication of the NFIRS staff.



## REPORT CONTENTS

The 2011 data presented in this report is representative of the incident data that was submitted to the Division of Fire Safety's NFIRS Unit by April 9, 2012. Data received has been processed into the State and Federal databases. (Please refer to the "Fire Department Participation Addendum" to see if your fire department has contributed to the information in this report.) Based upon incidents received, New Jersey fire departments responded 458,698 times to incidents in 2011.

Data submission is broken down as follows:

Of the 730 fire departments in the state, 682 (93%) submitted data.

Note: 24 fire departments submitted less than six months of data.

48 fire departments did not submit any data.



Data in this report does not include military installation fire department data. Military installation fire departments submit their NFIRS data directly to the Department of Defense.

**All of the charts included in this report are based on 2011 totals unless otherwise specified.**

# FAST STATS FOR 2011

- ♦ **3** firefighters died in the line of duty. ([Page 13](#))
- ♦ **516** firefighter injuries were reported. ([Page 14](#))
- ♦ **61** civilians lost their lives as a result of fire. ([Page 19](#))
- ♦ **77%** of all civilian fire fatalities occurred in residential properties. ([Page 21](#))
  - **33 (54%)** in 1 or 2 family dwellings
  - **14 (23%)** in multifamily dwellings
- ♦ **299** civilians were reported injured as a result of fire. ([Page 26](#))
- ♦ **261** civilians were reported revived by fire departments using an automatic external defibrillator. ([Page 100](#))
- ♦ **25,548** fires were reported. ([Page 54](#))
- ♦ **15,291** structure fires were reported. ([Page 54](#))
- ♦ **82%** of all reported structure fires involved residential properties. ([Page 56](#))
- ♦ **57%** of reported residential fires occurred in 1 or 2 family dwellings. ([Page 58](#))
- ♦ **282** fires were reported intentionally set in residential properties. ([Page 60](#))
- ♦ **81%** of all reported vehicle fires involved passenger vehicles. ([Page 93](#))
- ♦ **11** civilian fire fatalities occurred in vehicles. ([Page 21](#))
- ♦ **42** passenger vehicle fires were reported intentionally set. ([Page 93](#))
- ♦ **161** acres were reported burned. ([Page 96](#))
- ♦ **385** school fires were reported. ([Page 85](#))
- ♦ **8%** of all reported incidents were fire incidents. ([Page 29](#))

# 2011 FIRE CLOCK

One fire occurred every  
**20 minutes**  
**34 seconds**



One structure fire occurred every  
**34 minutes**  
**22 seconds**

One vehicle fire occurred every  
**2 hours**  
**47 minutes**

Fire departments responded to fire incidents every  
**15 minutes 9 seconds**

One confined fire occurred every  
**46 minutes**



One firefighter injury occurred every  
**16 hours**  
**56 minutes**

*Pictures courtesy of Bill Tompkins*



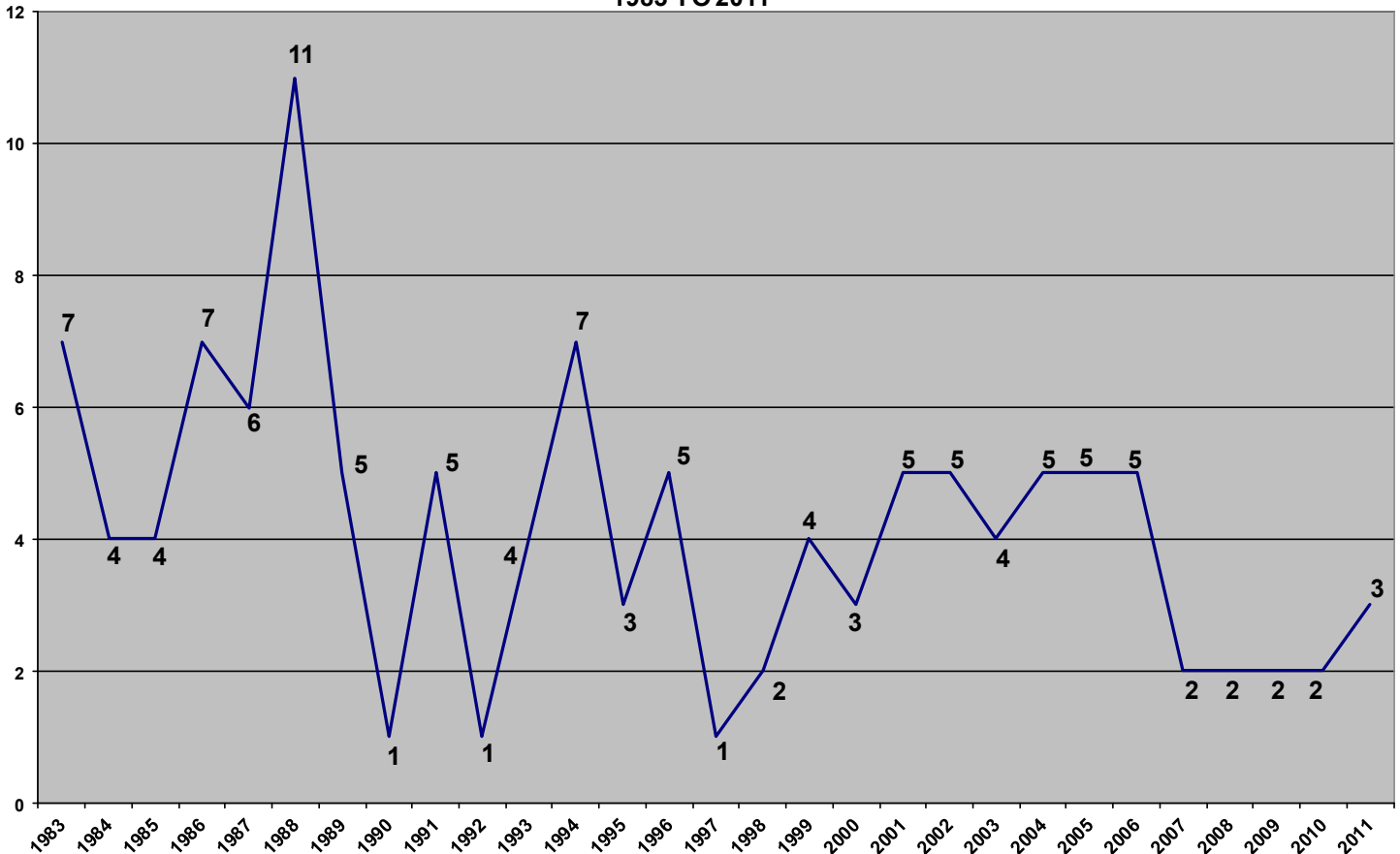
# FIREFIGHTER LINE-OF-DUTY DEATHS



FIREFIGHTER LINE-OF-DUTY DEATHS 2011					
NAME	AGE	STATUS	YEARS OF SERVICE	FIRE DEPARTMENT	CAUSE OF DEATH
Thomas Shields	41	Volunteer	12	Flanders Fire Department	Heart Attack
Andrew K. Boyt	45	Career	20	Cape May Fire Department	Heart Attack
Jonathan Young	49	Career	20	Roselle Fire Department	Heart Attack

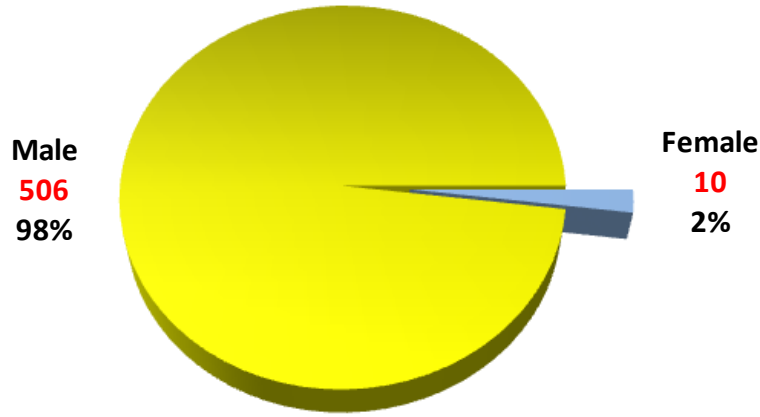
49 firefighters have died in the line of duty since 1998.  
Of those 49 firefighters, 27 firefighters (55%) have succumbed to heart attacks.

**FIREFIGHTER LINE-OF-DUTY DEATHS  
1983 TO 2011**



# FIREFIGHTER INJURIES

## FIREFIGHTER INJURIES



YEAR	NUMBER OF FIREFIGHTER INJURIES	NUMBER OF FIRE DEPARTMENTS REPORTING
2011	516	682
2010	737	688
2009	717	687
2008	856	691
2007	864	715
2006	920	719
2005	863	675
2004	682	656
2003	712	576
2002	719	594
2001	596	586
2000	333	356

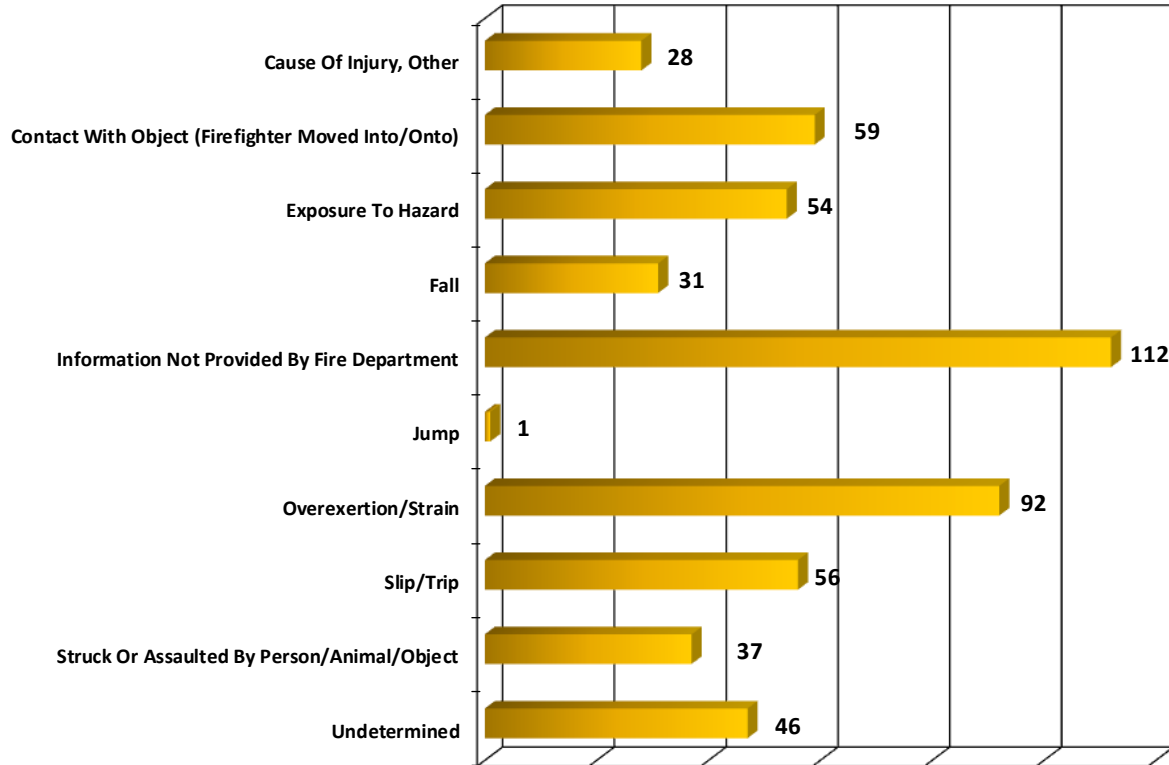
## MOST FREQUENT INCIDENT TYPES WHEN FIREFIGHTER INJURIES OCCURRED

Picture courtesy of Ron Jeffers



# FIREFIGHTER INJURIES

## CAUSE OF FIREFIGHTER INJURIES

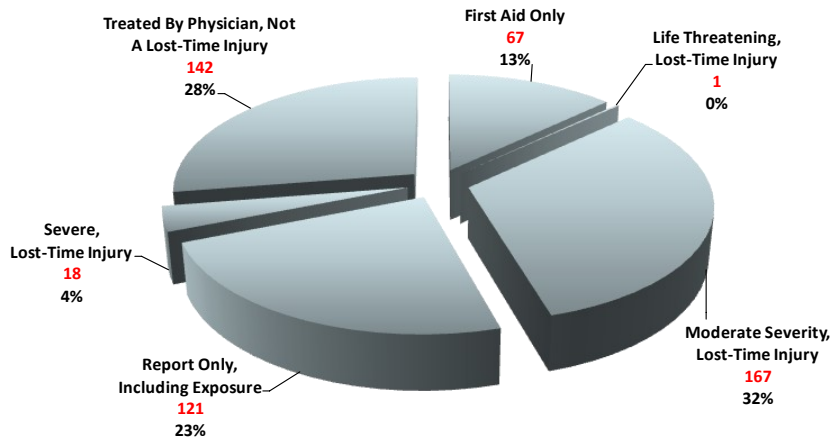


NUMBER OF REPORTED FIREFIGHTER INJURIES IN 2011	NUMBER OF FIREFIGHTERS INJURED TWICE IN 2011	NUMBER OF FIREFIGHTERS INJURED THREE TIMES IN 2011	NUMBER OF FIREFIGHTERS INJURED FOUR TIMES IN 2011
<b>516</b> (506 Male, 10 Female)	<b>18</b> (18 Male, 0 Female)	<b>1</b> (1 Male, 0 Female)	<b>1</b> (1 Male, 0 Female)

COUNTY	CAUSE OF INJURY, OTHER	CONTACT WITH OBJECT (FIREFIGHTER MOVED INTO/ONTO)	EXPOSURE TO HAZARD	FALL	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	JUMP	OVEREXERTION/ STRAIN	SLIP/ TRIP	STRUCK OR ASSAULTED BY PERSON/ANIMAL/ OBJECT	UNDETERMINED	TOTAL
	Atlantic		1	3		2		2			1
Bergen	1	3	1	2	10		5	1	1	3	27
Burlington	1	3	3	1	7		4	4	3	1	27
Camden	5	5	7	5	22		14	6	4	9	77
Cape May		1		3	2					1	7
Cumberland	2	6	1	1	4		2	2	4		22
Essex	1	11	5	6	11		16	11	6	2	69
Gloucester			2		1		1			1	5
Hudson	1	4	2		1		4	1	2	3	18
Hunterdon	2	1	1		1		2		1		8
Mercer	2		3	2	4		1	4	1		17
Middlesex	6	10	9	4	8		10	6	3	14	70
Monmouth	1	3	4	2	21		4	3	2	1	41
Morris	1				2		1	4			8
Ocean	1	1		1	3		4				10
Passaic	1		3	2	4		5	3	2	3	23
Salem			1								1
Somerset		2			3			1	1		7
Sussex		1	2							1	4
Union	3	7	5	2	6	1	17	9	7	6	63
Warren			2					1			3
<b>TOTAL</b>	<b>28</b>	<b>59</b>	<b>54</b>	<b>31</b>	<b>112</b>	<b>1</b>	<b>92</b>	<b>56</b>	<b>37</b>	<b>46</b>	<b>516</b>

# FIREFIGHTER INJURIES

## SEVERITY OF FIREFIGHTER INJURIES



SEVERITY OF FIREFIGHTER INJURIES	AVERAGE AGE OF FIREFIGHTERS INJURED
First Aid Only	38
Life Threatening, Lost-Time Injury	71
Moderate Severity, Lost-Time Injury	39
Report Only, Including Exposure	41
Severe, Lost-Time Injury	44
Treated By Physician, Not A Lost-Time Injury	34
<b>AVERAGE AGE OF ALL FIREFIGHTERS INJURED</b>	<b>38</b>

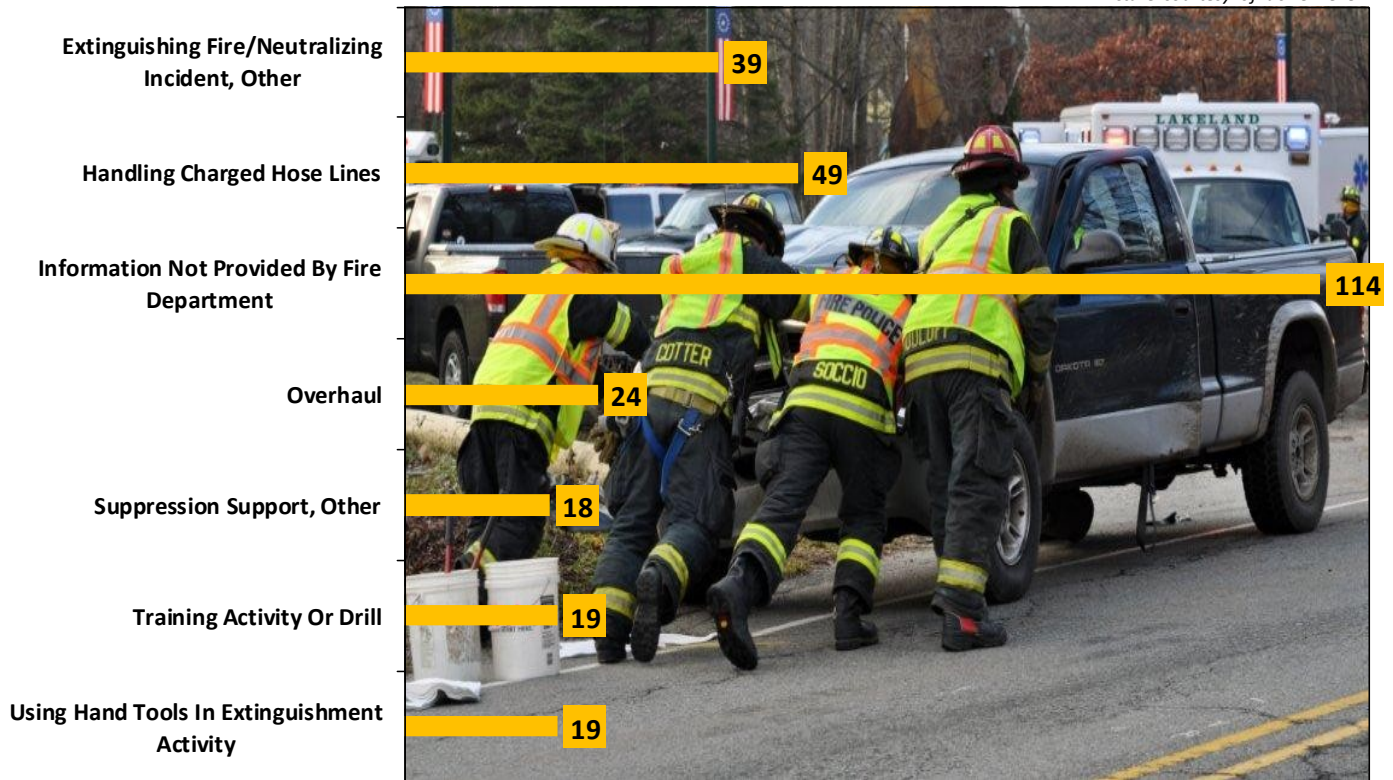
COUNTY		FIRST AID ONLY	LIFE THREATENING, LOST-TIME INJURY	MODERATE SEVERITY, LOST-TIME INJURY	REPORT ONLY, INCLUDING EXPOSURE	SEVERE, LOST-TIME INJURY	TREATED BY PHYSICIAN, NOT A LOST-TIME INJURY	TOTAL
		Atlantic	3		2	1		3
Bergen	2		7	3		14	27	
Burlington	3		4	7		12	27	
Camden	3		44	5		13	77	
Cape May	1			3		3	7	
Cumberland	2		7	6		7	22	
Essex	8		21	32		8	69	
Gloucester	1			2		2	5	
Hudson	5		8	3		2	18	
Hunterdon	2		2			4	8	
Mercer	1		7	5		4	17	
Middlesex	11		14	18		27	70	
Monmouth	10		10	8		2	41	
Morris	1	1	2			4	8	
Ocean	2		7	1			10	
Passaic	4		9	3		7	23	
Salem			1				1	
Somerset	2			1		4	7	
Sussex				3		1	4	
Union	6		21	20		15	63	
Warren			1			2	3	
<b>TOTAL</b>	<b>67</b>	<b>1</b>	<b>167</b>	<b>121</b>	<b>18</b>	<b>142</b>	<b>516</b>	



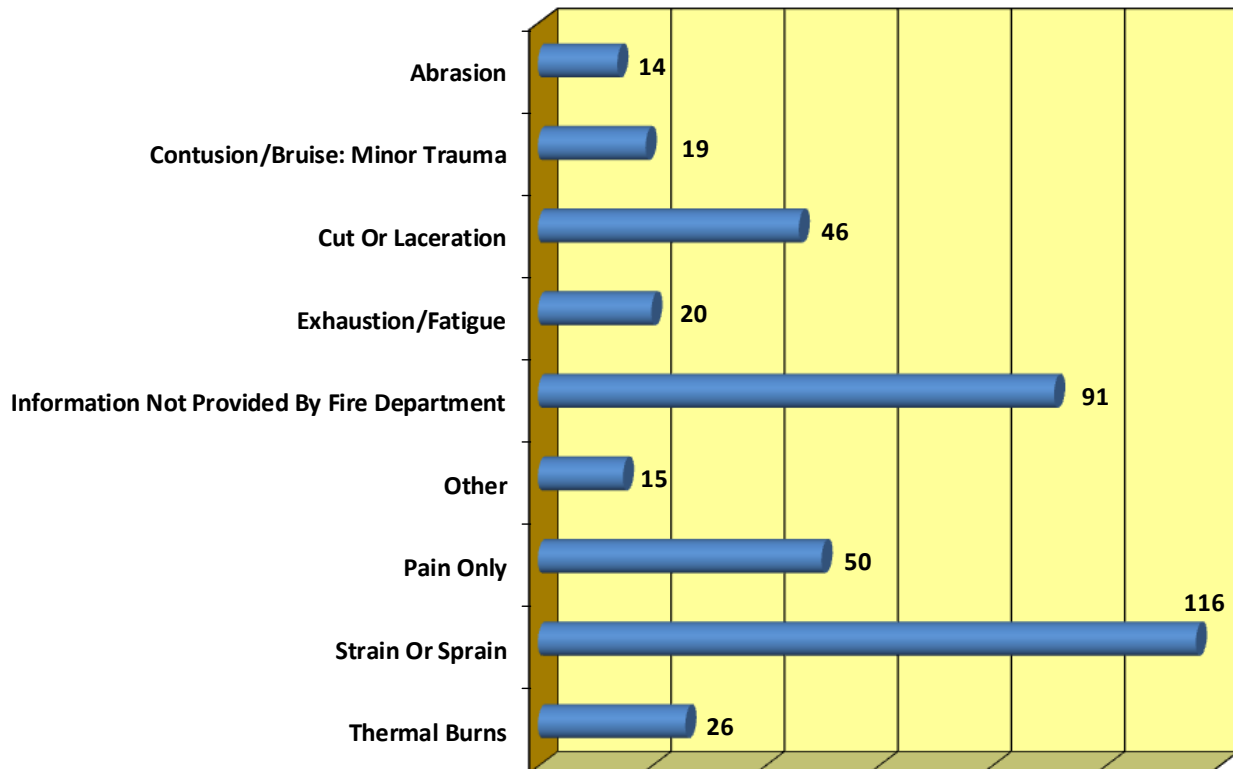
# FIREFIGHTER INJURIES

## MOST FREQUENT ACTIVITY WHEN INJURIES OCCURRED

Picture courtesy of Jackie Pellek

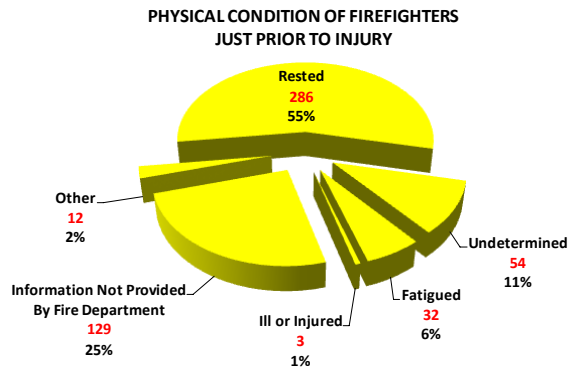
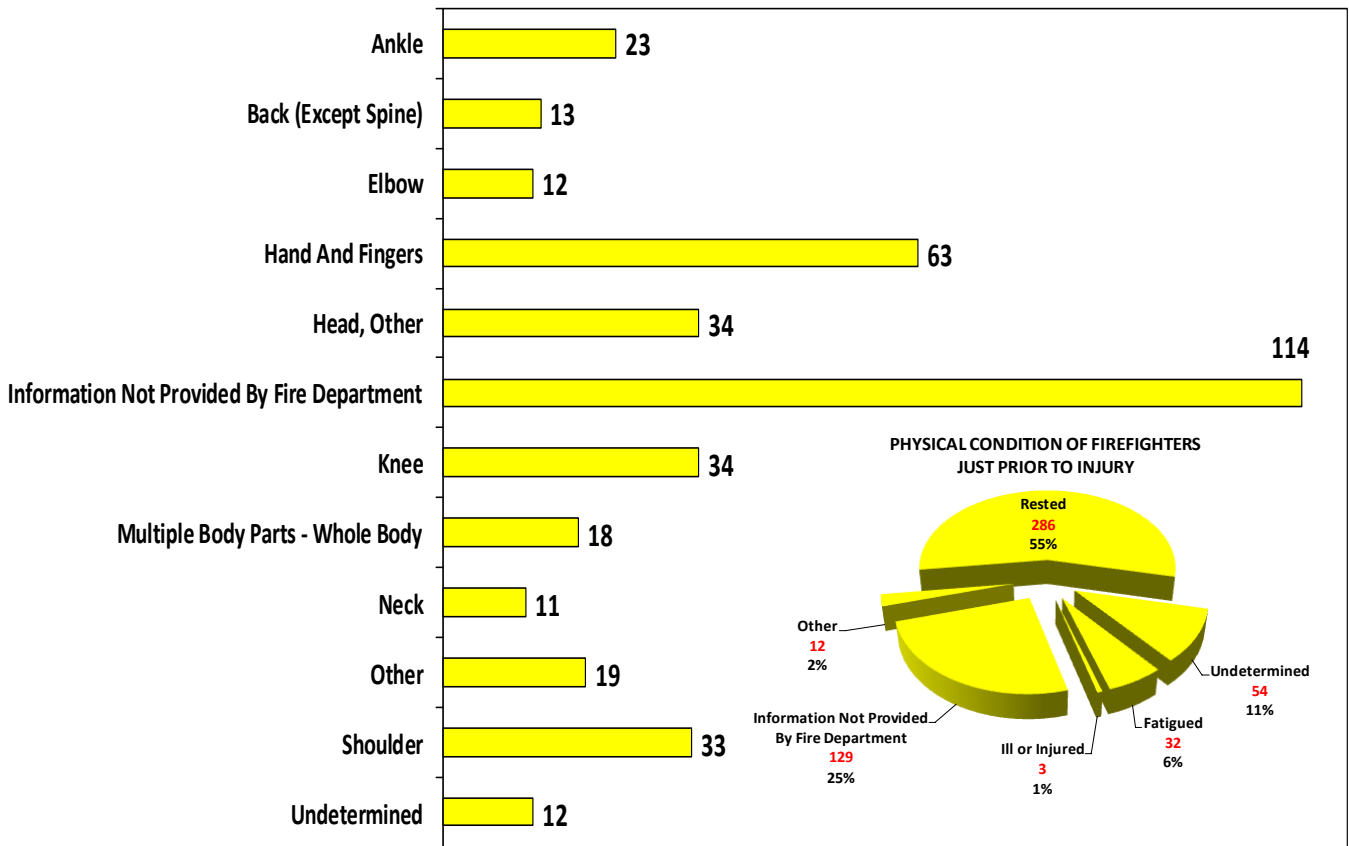


## MOST FREQUENT PRIMARY APPARENT SYMPTOMS OF FIREFIGHTER INJURIES



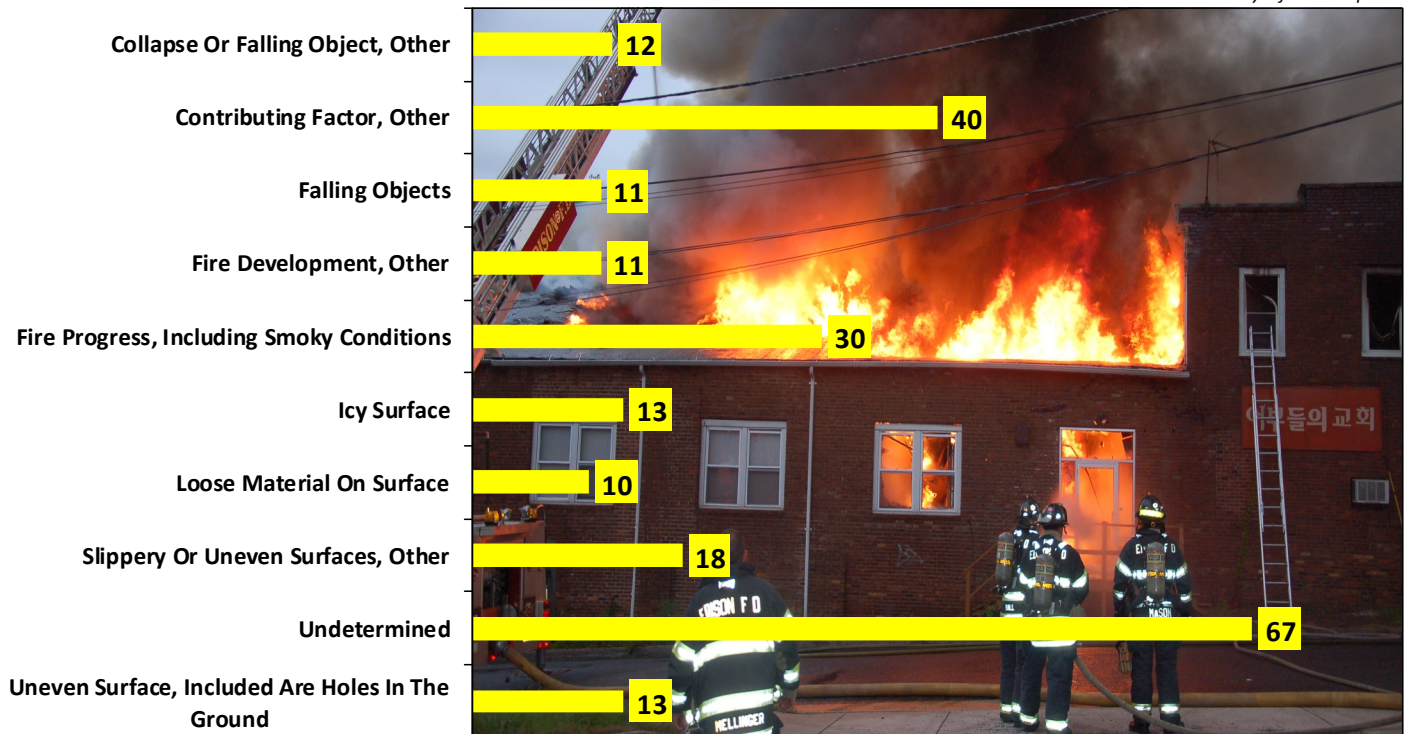
# FIREFIGHTER INJURIES

## MOST FREQUENT PRIMARY BODY PART INJURED

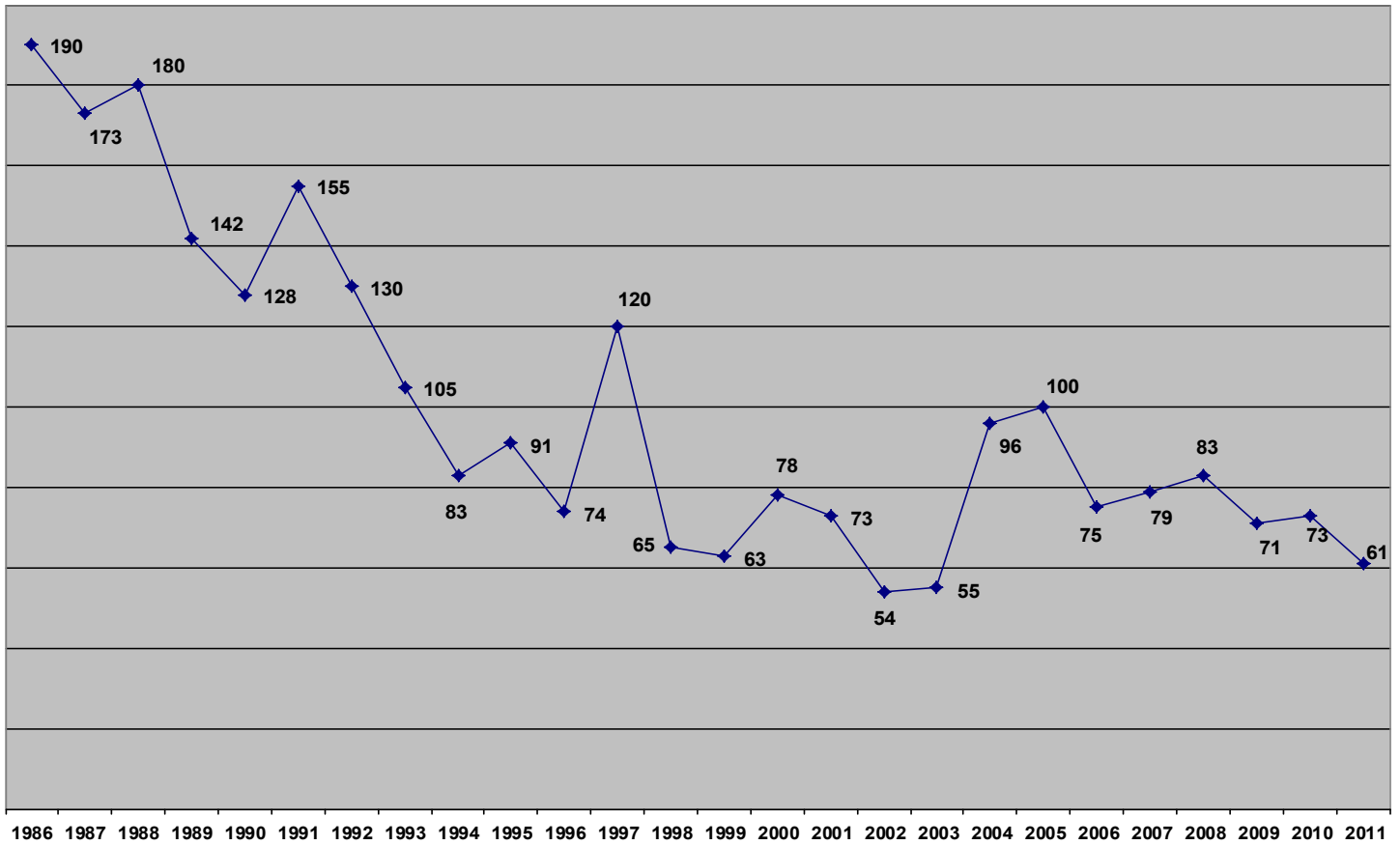


## MOST FREQUENT FACTORS CONTRIBUTING TO FIREFIGHTER INJURIES

Picture courtesy of Bill Tompkins



# CIVILIAN FIRE FATALITIES



Male  
38  
62%

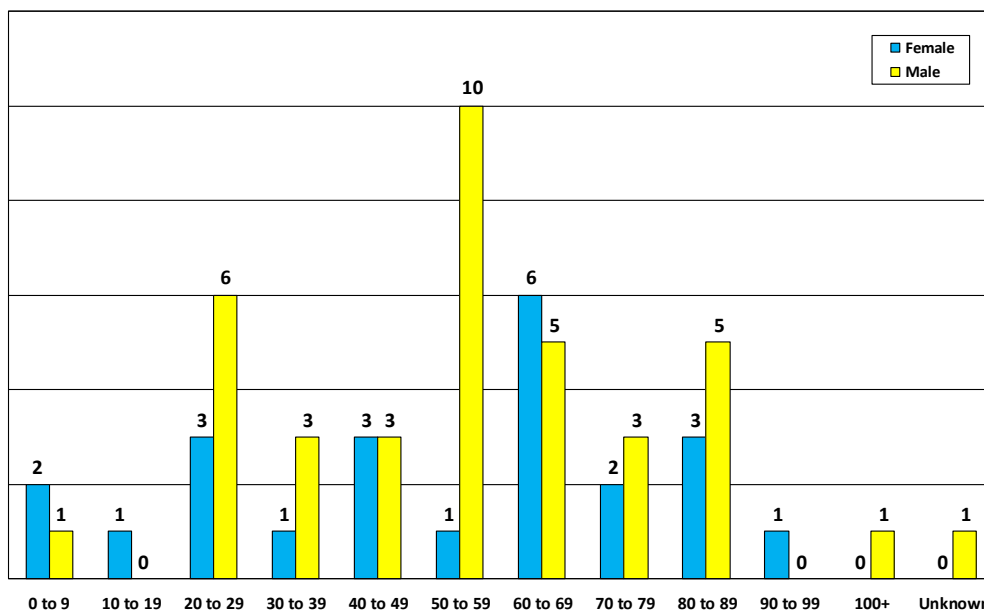


Female  
23  
38%

Year

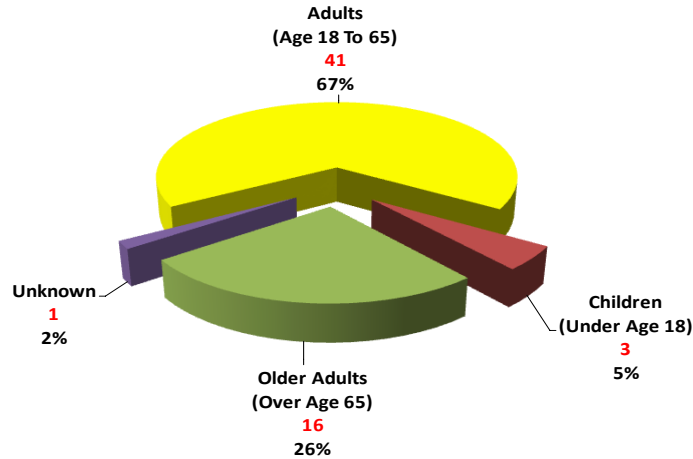
**53 FIRE INCIDENTS LED TO  
61 CIVILIAN FATALITIES**

CIVILIAN FIRE FATALITIES BY AGE GROUP

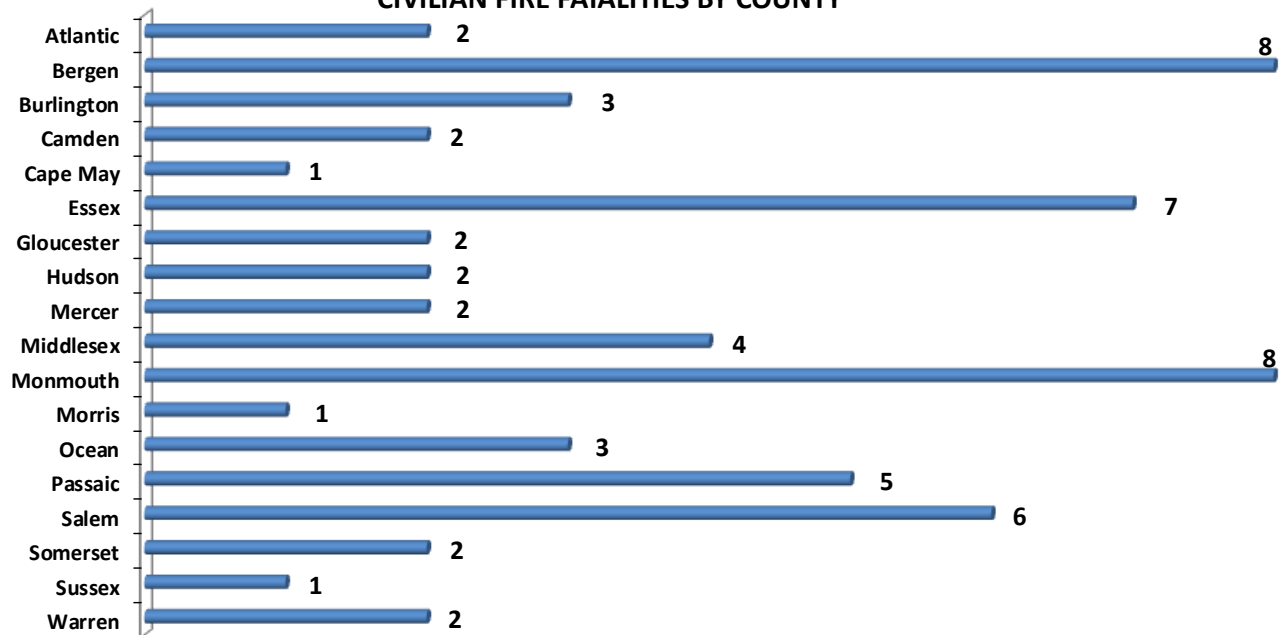


# CIVILIAN FIRE FATALITIES

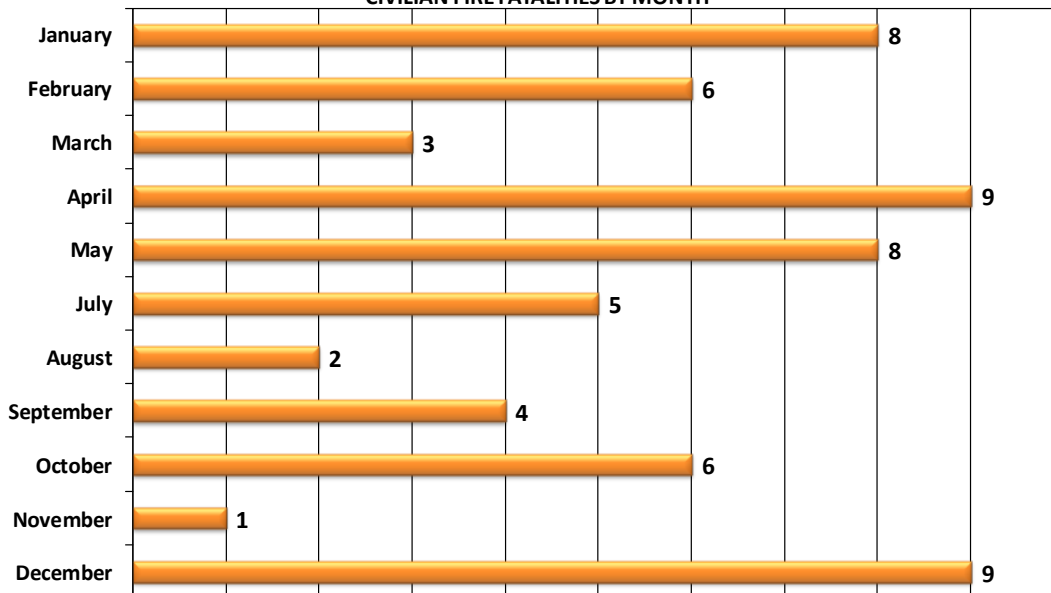
CIVILIAN FIRE FATALITIES



CIVILIAN FIRE FATALITIES BY COUNTY

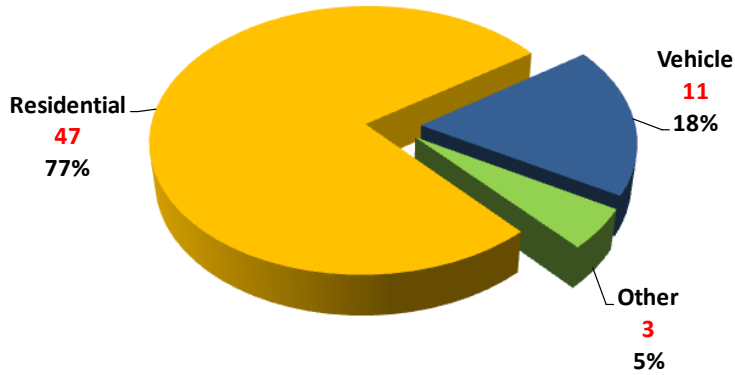


CIVILIAN FIRE FATALITIES BY MONTH

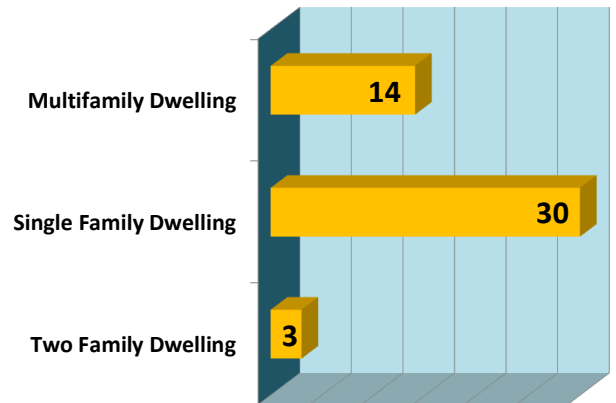


# CIVILIAN FIRE FATALITIES

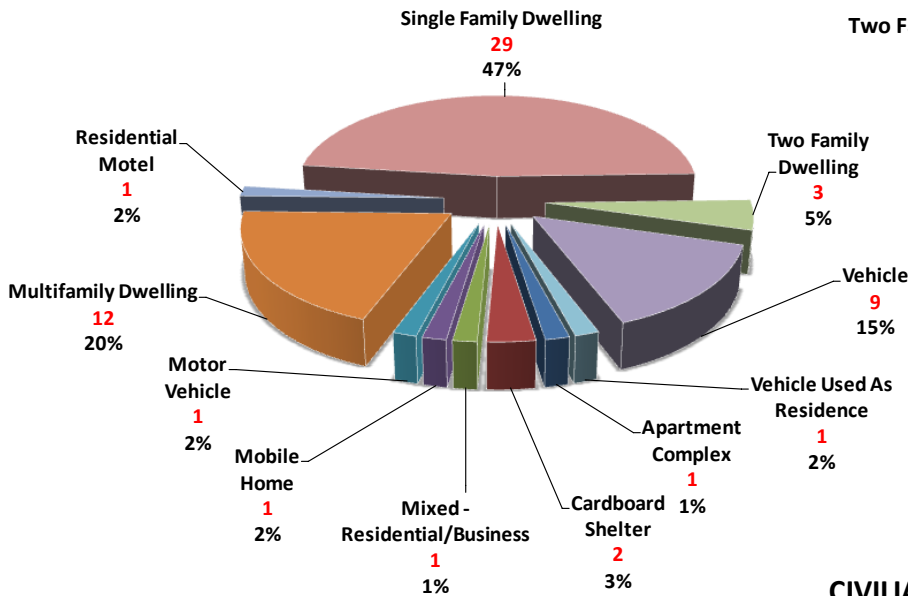
**CIVILIAN FIRE FATALITIES  
BY PROPERTY USE CATEGORY**



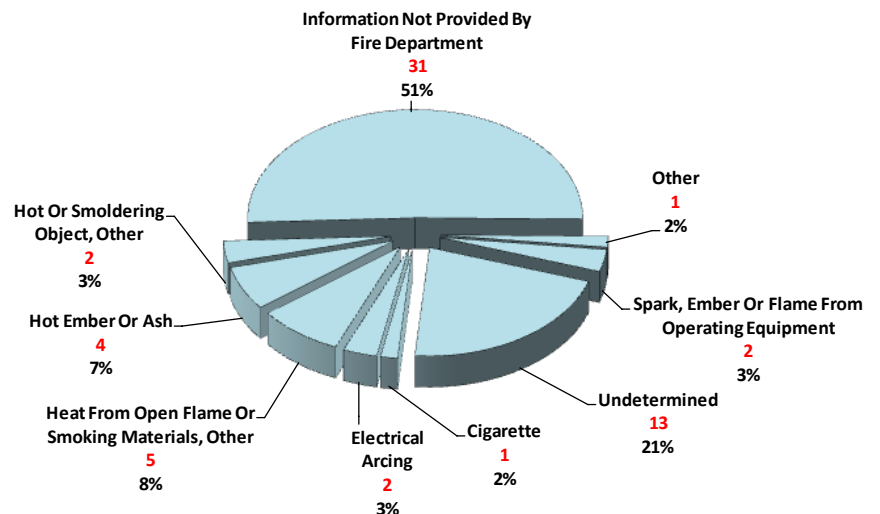
**CIVILIAN FIRE FATALITIES  
RESIDENTIAL PROPERTIES**



**CIVILIAN FIRE FATALITIES  
BY SPECIFIC PROPERTY USE**



**CIVILIAN FIRE FATALITIES  
HEAT SOURCE OF FIRE**



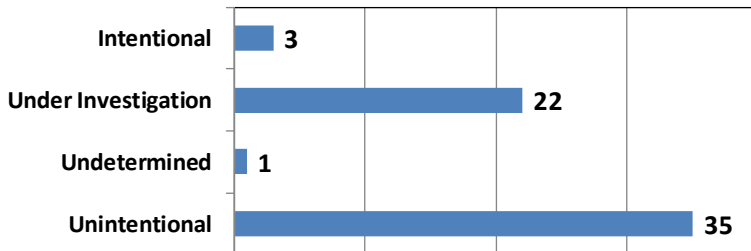
# CIVILIAN FIRE FATALITIES

MULTIPLE CIVILIAN FIRE FATALITIES										
DATE	ALARM TIME	MUNICIPALITY	COUNTY	AGE	GENDER	CAUSE OF FIRE	PROPERTY USE	ROOM OF ORIGIN	DETECTOR PRESENCE	DETECTOR OPERATION
1/18/11	5:12	Hamilton Tw p	Mercer	33	Male	Careless Smoking	Single Family Dw elling	Enclosed Porch	None Present	Not Applicable
1/18/11	5:12	Hamilton Tw p	Mercer	27	Female	Careless Smoking	Single Family Dw elling	Enclosed Porch	None Present	Not Applicable
2/24/11	0:57	Paterson	Passaic	41	Male	Candle Or Sterno	Cardboard Shelter	Not Applicable	Not Applicable	Not Applicable
2/24/11	0:57	Paterson	Passaic	48	Female	Candle Or Sterno	Cardboard Shelter	Not Applicable	Not Applicable	Not Applicable
4/19/11	3:03	Middletow n	Monmouth	63	Female	Possibly Careless Smoking	Single Family Dw elling	Bedroom	None Present	Not Applicable
4/19/11	3:03	Middletow n	Monmouth	23	Female	Possibly Careless Smoking	Single Family Dw elling	Bedroom	None Present	Not Applicable
4/19/11	3:03	Middletow n	Monmouth	26	Male	Possibly Careless Smoking	Single Family Dw elling	Bedroom	None Present	Not Applicable
4/19/11	3:03	Middletow n	Monmouth	60	Female	Possibly Careless Smoking	Single Family Dw elling	Bedroom	None Present	Not Applicable
7/11/11	6:05	Oldman's Tow nship	Salem	24	Male	Motor Vehicle Accident	Vehicle	Not Applicable	Not Applicable	Not Applicable
7/11/11	6:05	Oldman's Tow nship	Salem	38	Male	Motor Vehicle Accident	Vehicle	Not Applicable	Not Applicable	Not Applicable
7/11/11	6:05	Oldman's Tow nship	Salem	27	Female	Motor Vehicle Accident	Vehicle	Not Applicable	Not Applicable	Not Applicable
10/31/11	6:19	Teaneck	Bergen	88	Male	Under Investigation	Single Family Dw elling	Bedroom	Present	Unknow n
10/31/11	6:19	Teaneck	Bergen	86	Female	Under Investigation	Single Family Dw elling	Bedroom	Present	Unknow n

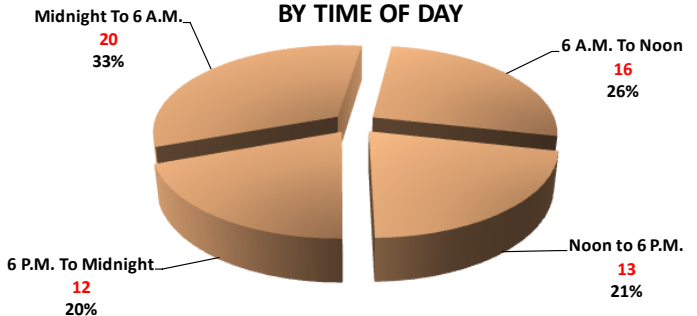
YEAR	TOTAL CIVILIAN FIRE FATALITIES	TOTAL CIVILIAN FIRE FATALITIES IN RESIDENTIAL STRUCTURES & PERCENTAGE OF ALL CIVILIAN FIRE FATALITIES	CIVILIAN FIRE FATALITIES IN 1 OR 2 FAMILY DWELLINGS & PERCENTAGE OF ALL CIVILIAN FIRE FATALITIES	CIVILIAN FIRE FATALITIES IN MULTIFAMILY DWELLINGS & PERCENTAGE OF ALL CIVILIAN FIRE FATALITIES
2004	96	80 = 83%	60 = 62%	19 = 19%
2005	100	83 = 83%	54 = 54%	22 = 22%
2006	75	55 = 73%	28 = 37%	21 = 28%
2007	76	66 = 86%	51 = 67%	15 = 19%
2008	83	65 = 78%	44 = 53%	20 = 24%
2009	71	55 = 78%	36 = 50%	18 = 25%
2010	73	57 = 78%	35 = 48%	22 = 30%
2011	61	47 = 77%	33 = 54%	14 = 23%



## REPORTED CAUSES OF FIRE BY CATEGORY

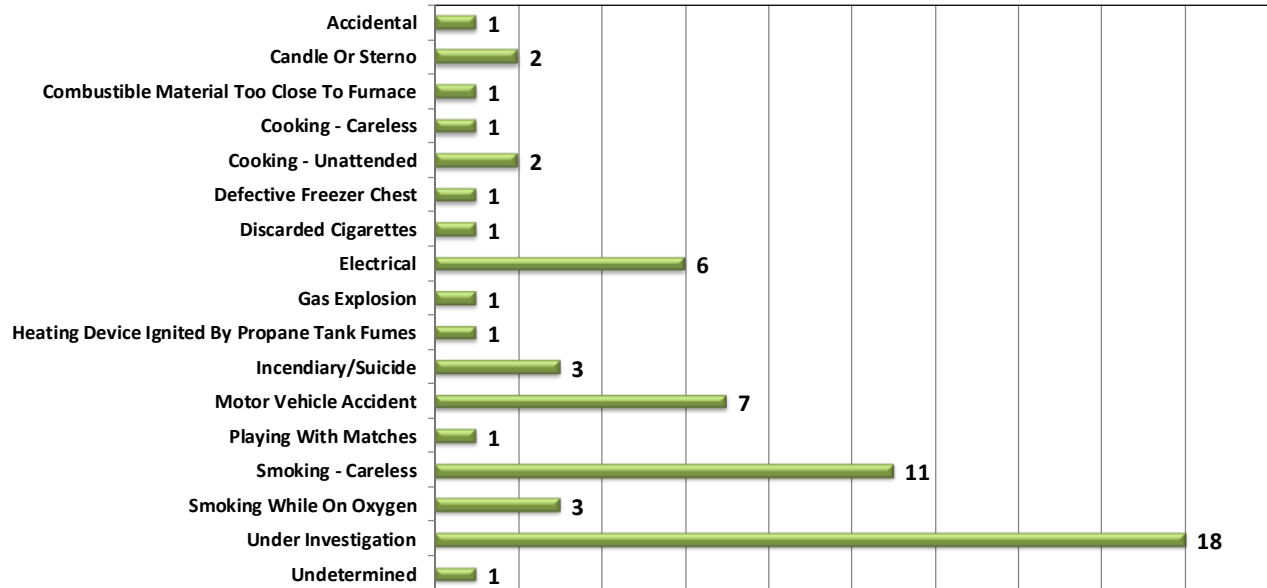


## CIVILIAN FIRE FATALITIES BY TIME OF DAY

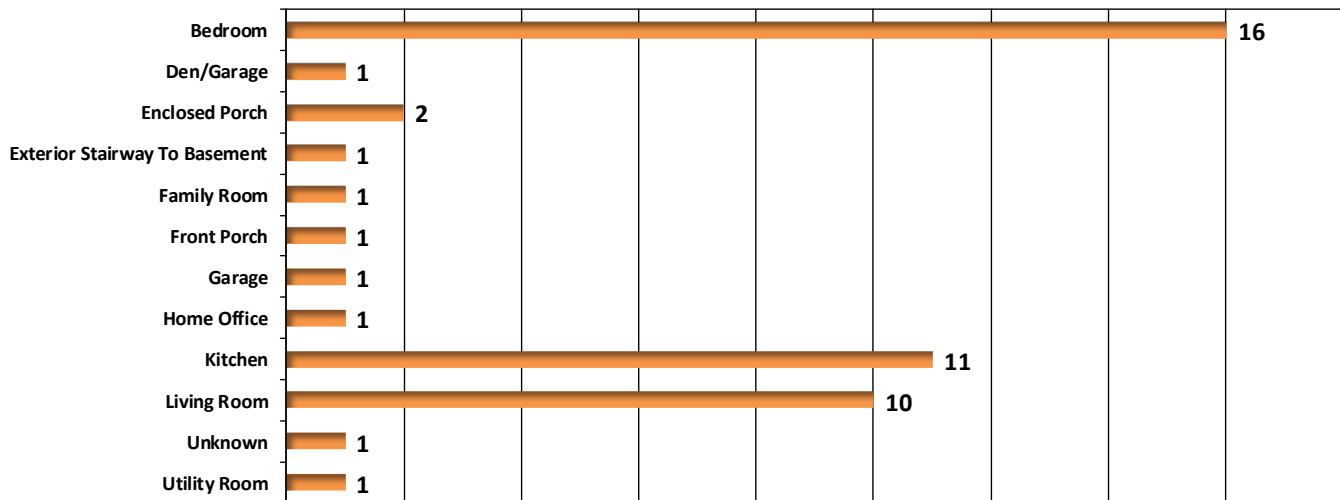


# CIVILIAN FIRE FATALITIES

## SPECIFIC CAUSES OF FIRES



## ROOM OF FIRE ORIGIN IN RESIDENTIAL PROPERTY USES

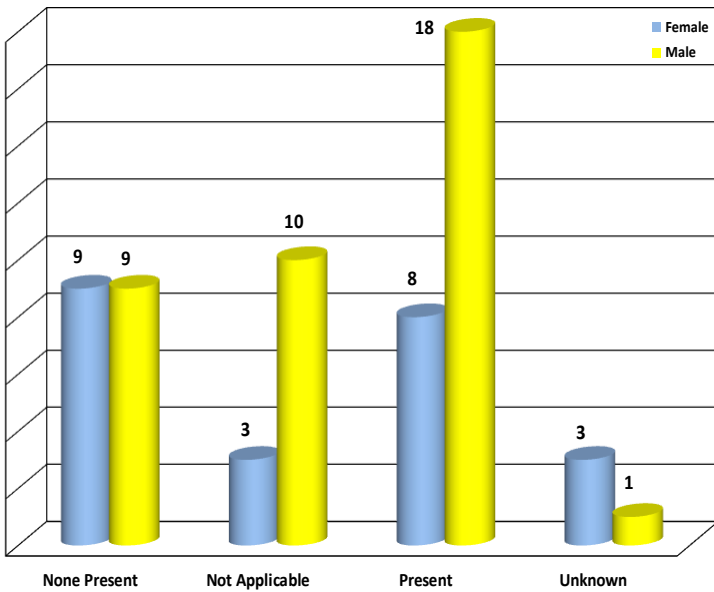


## SPECIFIC CAUSES OF FIRES BY ROOM OF ORIGIN IN RESIDENTIAL PROPERTY USES

		ROOM OF ORIGIN											TOTAL	
		BEDROOM	DEN/GARAGE	ENCLOSED PORCH	EXTERIOR STAIRWAY TO BASEMENT	FAMILY ROOM	FRONT PORCH	GARAGE	HOME OFFICE	KITCHEN	LIVING ROOM	UNKNOWN		UTILITY ROOM
SPECIFIC CAUSES OF FIRE	Accidental									1				1
	Combustible Material Too Close To Furnace												1	1
	Cooking - Careless									1				1
	Cooking - Unattended									2				2
	Defective Freezer Chest									1				1
	Discarded Cigarettes										1			1
	Electrical	2		1						1	2			6
	Gas Explosion									1				1
	Incendiary/Suicide	1												1
	Playing With Matches	1												1
	Smoking - Careless	7		2		1					1			11
	Smoking While On Oxygen	1									2			3
	Under Investigation	4					1	1	1	1	4	3	1	16
	Undetermined											1		1
	<b>TOTAL</b>	<b>16</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>11</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>47</b>

# CIVILIAN FIRE FATALITIES

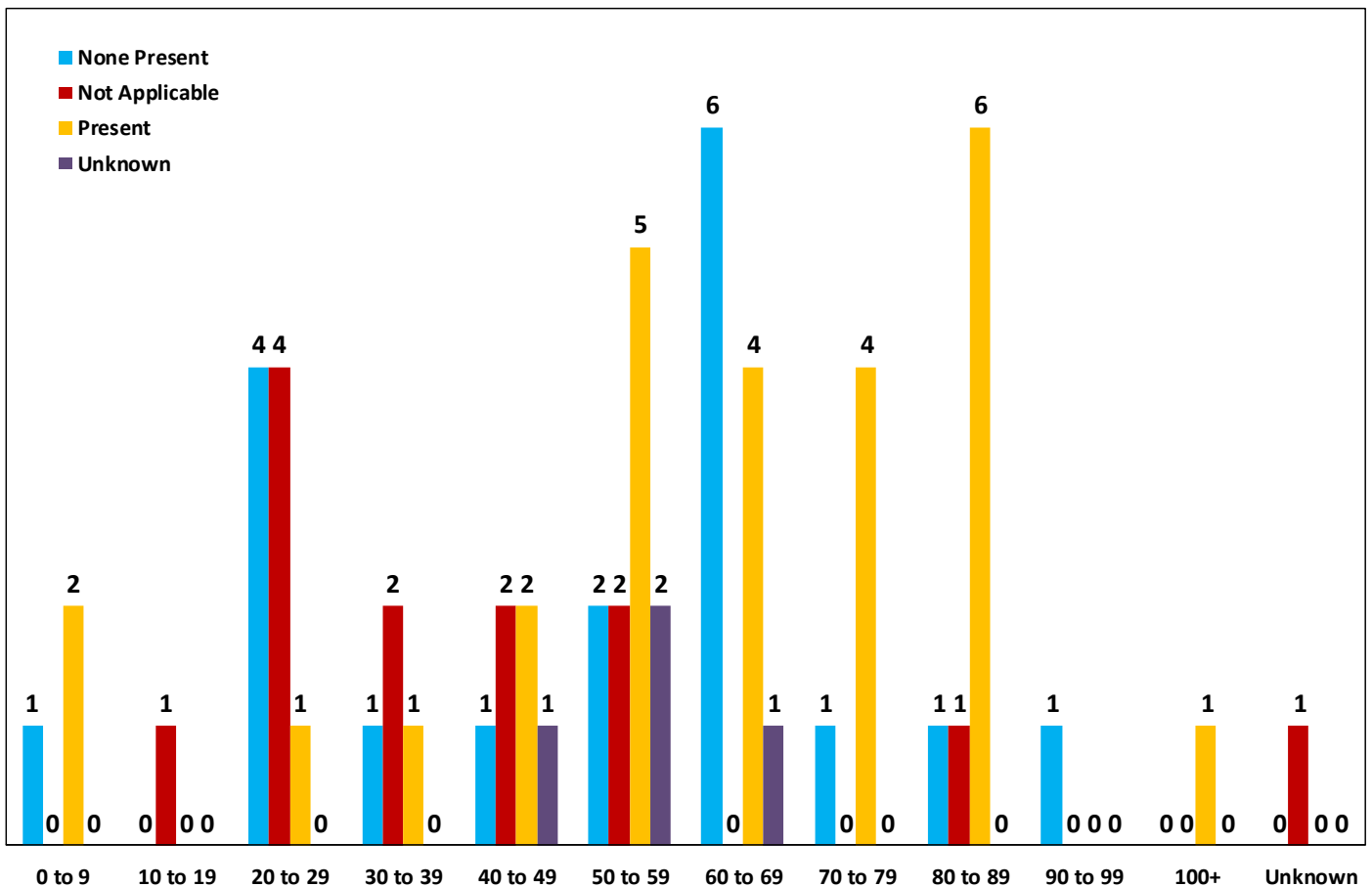
### DETECTOR PRESENCE



### DETECTOR OPERATION WHEN PRESENT



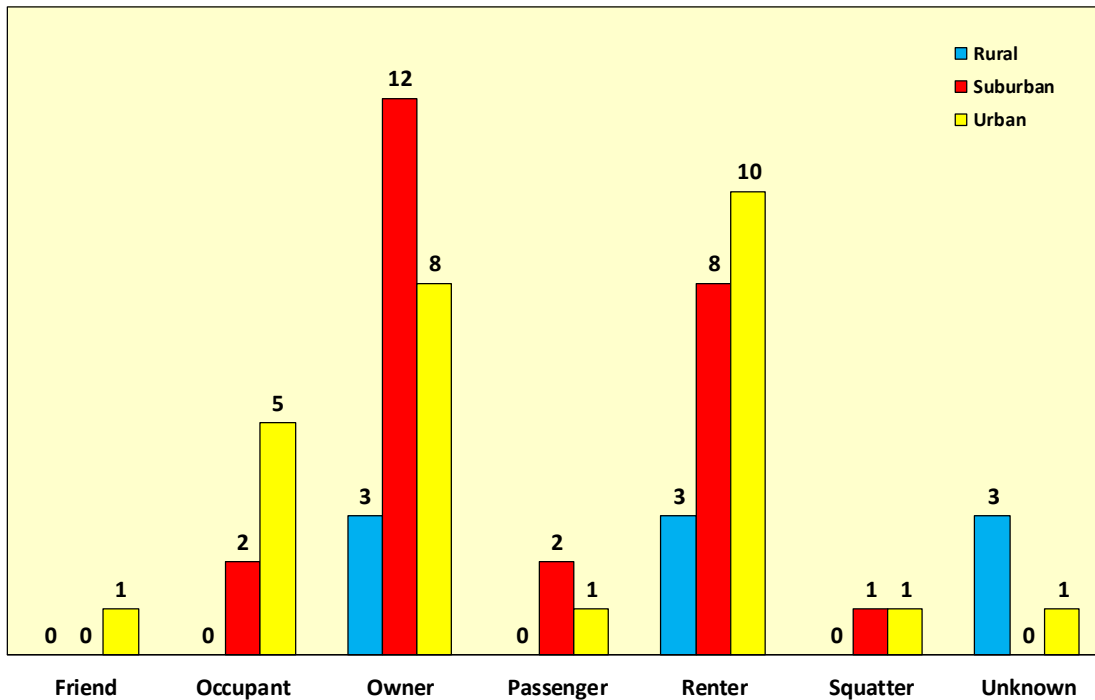
### DETECTOR PRESENCE BY AGE GROUP





# CIVILIAN FIRE FATALITIES

**CIVILIAN FIRE FATALITIES  
AFFILIATION TO INCIDENT LOCATION**



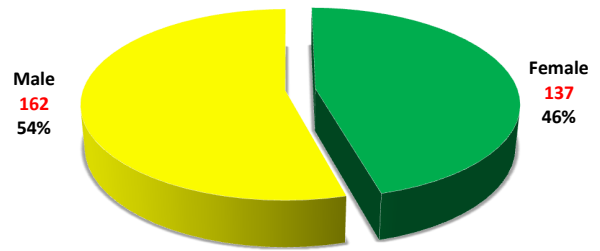
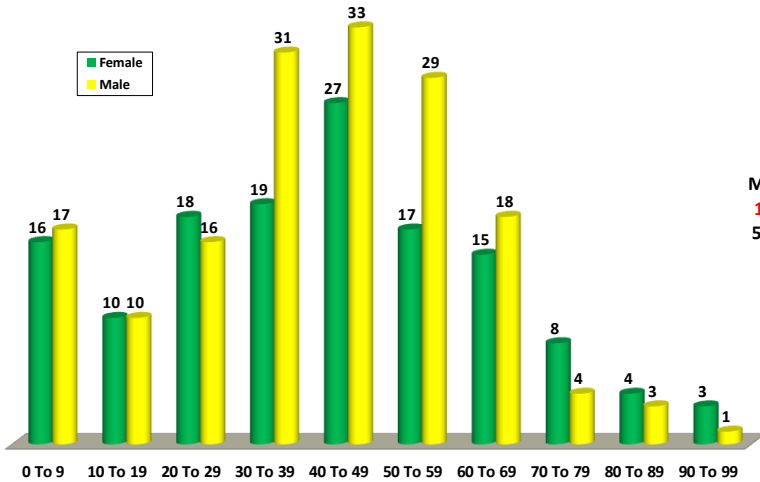
## CIVILIANS WHO LOST THEIR LIVES DUE TO FIRE

DATE	MUNICIPALITY	COUNTY	AGE	GENDER	NAME
1/4/11	Park Ridge	Bergen	48	Female	Karen Ivaldi
1/9/11	Highlands	Monmouth	49	Male	Alfred Payer
1/14/11	Montclair	Essex	64	Female	Jacquelin Roudez
1/17/11	Port Reading	Middlesex	54	Male	Stephen Competello, Sr.
1/18/11	Hamilton Townshp	Mercer	33	Male	Karl Knamm
1/18/11	Hamilton Townshp	Mercer	27	Female	Andree Preston
1/18/11	Carneys Point	Salem	85	Female	Mary Flath
1/22/11	New Brunswick	Middlesex	74	Male	Robert Whitehead
2/5/11	Newark	Essex	Unknown	Male	Unknown
2/5/11	Dumont	Bergen	102	Male	Anthony Manzi
2/11/11	Egg Harbor Townshp	Atlantic	60	Female	Margaret Kines Leroy
2/17/11	Newark	Essex	3	Female	Amy Luna
2/24/11	Paterson	Passaic	41	Male	Albert Dubaid
2/24/11	Paterson	Passaic	48	Female	Kathleen Bauenhoer
3/7/11	Clifton	Passaic	79	Male	Allan Johnson
3/13/11	Fort Lee	Bergen	94	Female	Rosa Morelli
3/23/11	Hackensack	Bergen	55	Male	Michael Mahoney
4/3/11	Secaucus	Hudson	52	Female	Kathleen A. Quail
4/10/11	Jersey City	Hudson	70	Female	Janet Wadleigh
4/11/11	Springfield	Burlington	43	Female	Bridget Edwards-Sipp
4/19/11	Middletown	Monmouth	63	Female	Sheridan Banovich
4/19/11	Middletown	Monmouth	23	Female	Deidre Banovich
4/19/11	Middletown	Monmouth	26	Male	Anthony Cadalzo
4/19/11	Middletown	Monmouth	60	Female	Denise Dusold
4/22/11	Orange	Essex	35	Female	Tosha Lassiter
4/29/11	Newark	Essex	51	Male	Tony Singleton
5/1/11	Toms River	Ocean	59	Male	Robert Brugnoli
5/3/11	Paterson	Passaic	36	Male	David Binns
5/5/11	Long Branch	Monmouth	68	Male	Jesus Estevez
5/17/11	Newton	Sussex	58	Male	John Heemer
5/24/11	Bellmawr	Camden	60	Male	James Beck

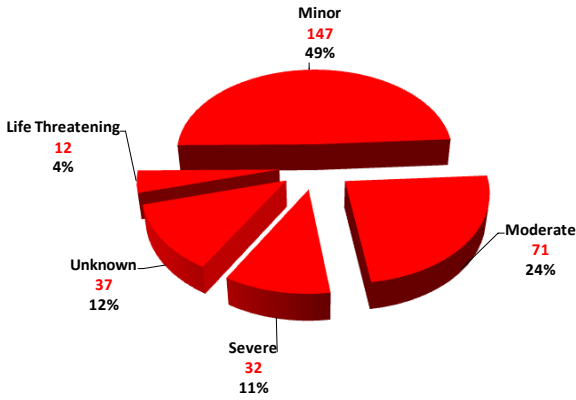
DATE	MUNICIPALITY	COUNTY	AGE	GENDER	NAME
5/26/11	Bordentown City	Burlington	74	Male	James VanDyne
5/29/11	Hanover	Morris	86	Female	Evelyn O'Brien
5/29/11	Pilesgrove	Salem	80	Male	John L. Reiter
7/3/11	Little Egg Harbor	Ocean	59	Male	Anthony G. Duffy
7/11/11	Oldman's Townshp	Salem	24	Male	Manuel Marshal
7/11/11	Oldman's Townshp	Salem	38	Male	Arthur Briscoe
7/11/11	Oldman's Townshp	Salem	27	Female	Jessie Jones
7/30/11	Newark	Essex	60	Male	Linwood Brewster
8/10/11	Greenwich	Warren	72	Female	Gail Ross
8/20/11	Newark	Essex	29	Male	Quaadir King
9/2/11	Lakewood	Ocean	59	Male	Morhun Yaroslav
9/8/11	North Plainfield	Somerset	86	Male	Vincent DiDomenico
9/12/11	Woodbine	Cape May	52	Male	Donald Fowler
9/18/11	Red Bank	Monmouth	64	Female	Phyllis R. Rudrow
10/16/11	Boro of Watchung	Somerset	19	Female	Maria Arancibia
10/24/11	Merchantville	Camden	62	Female	Jean Tomaneli
10/28/11	Washington Townshp	Gloucester	27	Male	Robert Cyr
10/29/11	Franklin Lakes	Bergen	86	Male	Peter Andre
10/31/11	Teaneck	Bergen	88	Male	Henry Moody
10/31/11	Teaneck	Bergen	86	Female	Alberta Moody
11/12/11	Clifton	Passaic	45	Male	Richard Torraca
12/2/11	Buena Vista Townshp	Atlantic	24	Male	Brendan Gormley
12/3/11	Wall Townshp	Monmouth	64	Male	Michael Atamantyk
12/12/11	Monroe Townshp	Middlesex	87	Male	Anthony Vitello
12/12/11	New Brunswick	Middlesex	57	Male	Ralph Cimon
12/13/11	White Townshp	Warren	2	Male	Zackery Hoagland-Nemeth
12/15/11	Pennsville	Salem	27	Male	Cedric Upshur
12/25/11	Glassboro	Gloucester	52	Male	Walter White
12/25/11	Dumont	Bergen	63	Male	Robert Magruder
12/28/11	Pemberton Townshp	Burlington	7	Female	Laymiah Graves

# CIVILIAN FIRE INJURIES

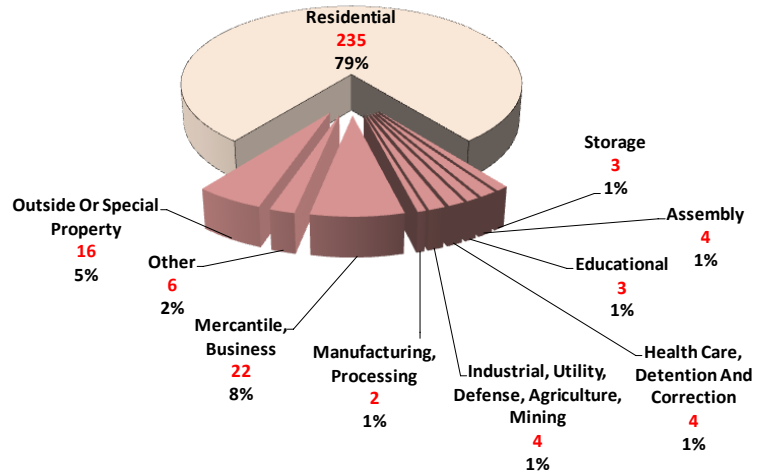
CIVILIAN FIRE INJURIES BY AGE GROUP



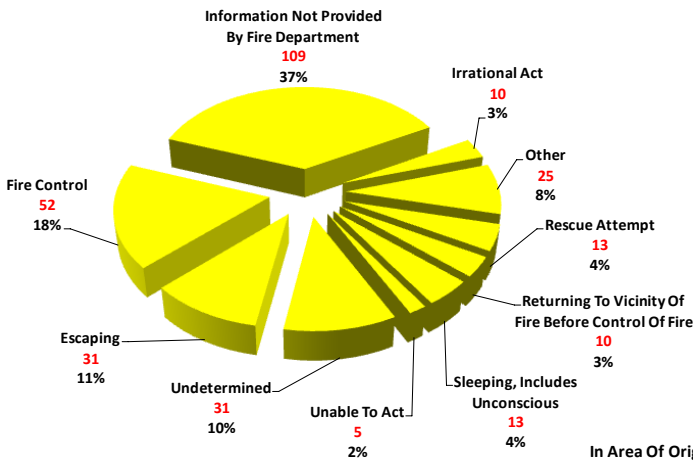
SEVERITY OF INJURIES



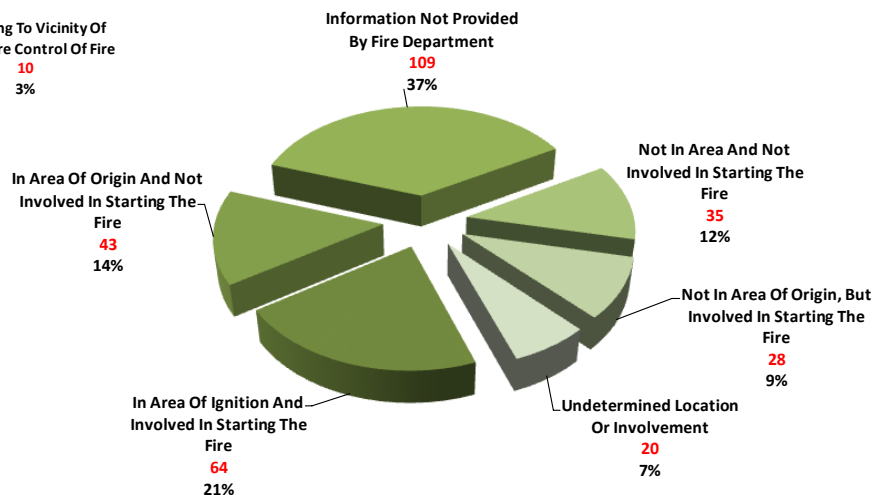
CIVILIAN FIRE INJURIES BY PROPERTY USE CATEGORY



ACTIVITY OF CIVILIANS WHEN FIRE INJURIES OCCURRED



LOCATION OF INJURED CIVILIAN AT TIME OF FIRE INCIDENT



# CIVILIAN FIRE INJURIES

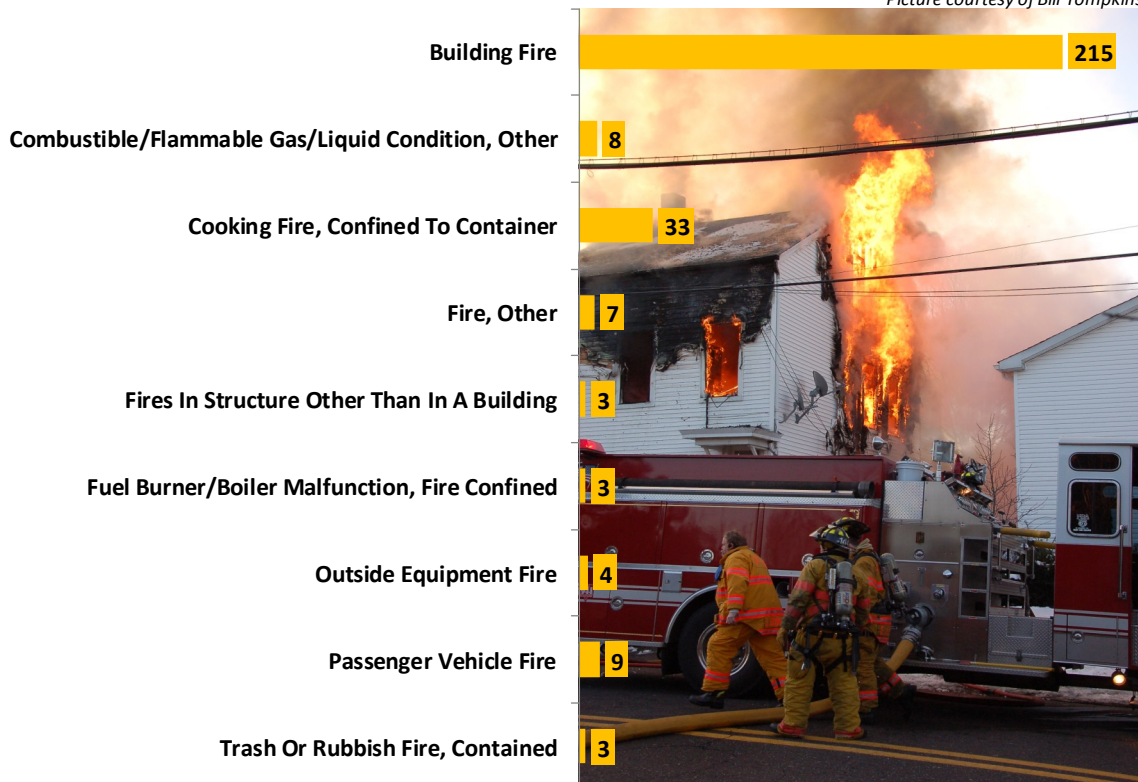
## MOST FREQUENT SPECIFIC LOCATION AT TIME OF INJURY

Picture courtesy of Ron Jeffers



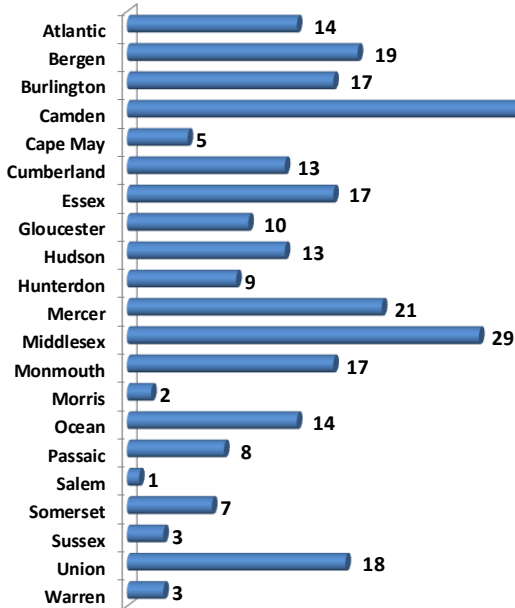
## MOST FREQUENT FIRE INCIDENTS RESULTING IN CIVILIAN FIRE INJURIES

Picture courtesy of Bill Tompkins



# CIVILIAN FIRE INJURIES

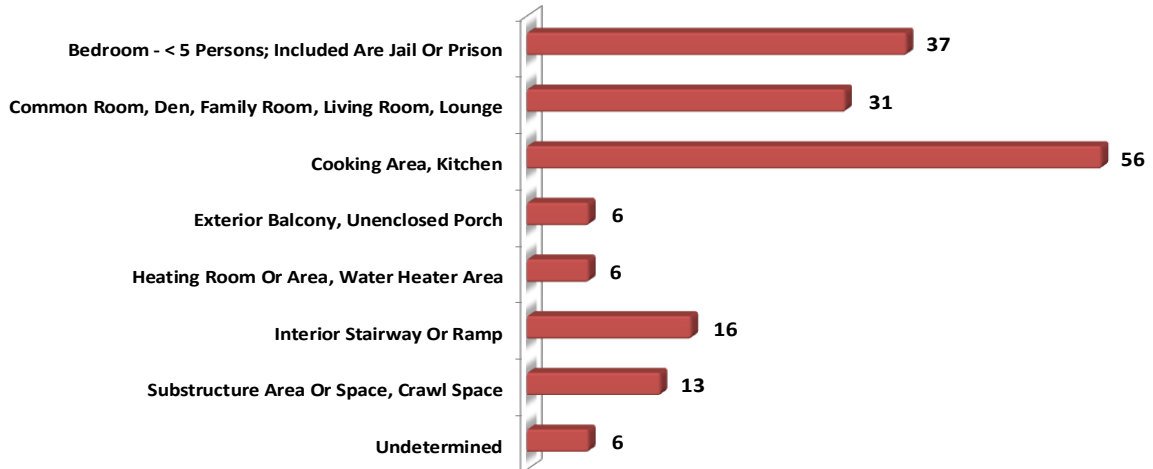
## CIVILIAN FIRE INJURIES BY COUNTY



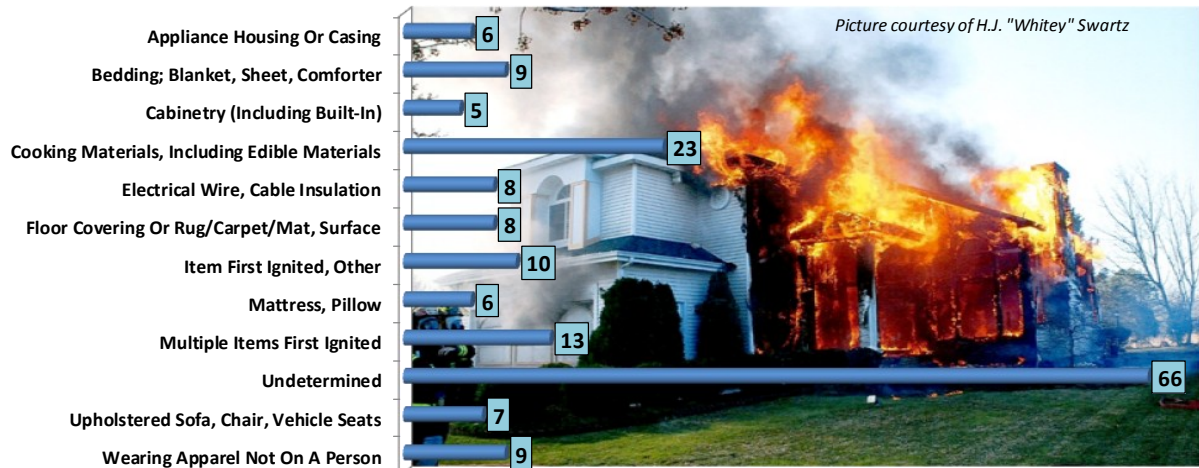
Picture courtesy of Bill Tompkins



## MOST FREQUENT AREA OF FIRE ORIGIN IN RESIDENTIAL PROPERTY USES WHEN CIVILIAN FIRE INJURIES OCCURRED



## MOST FREQUENT ITEM FIRST IGNITED IN RESIDENTIAL PROPERTY USES WHEN CIVILIAN FIRE INJURIES OCCURRED

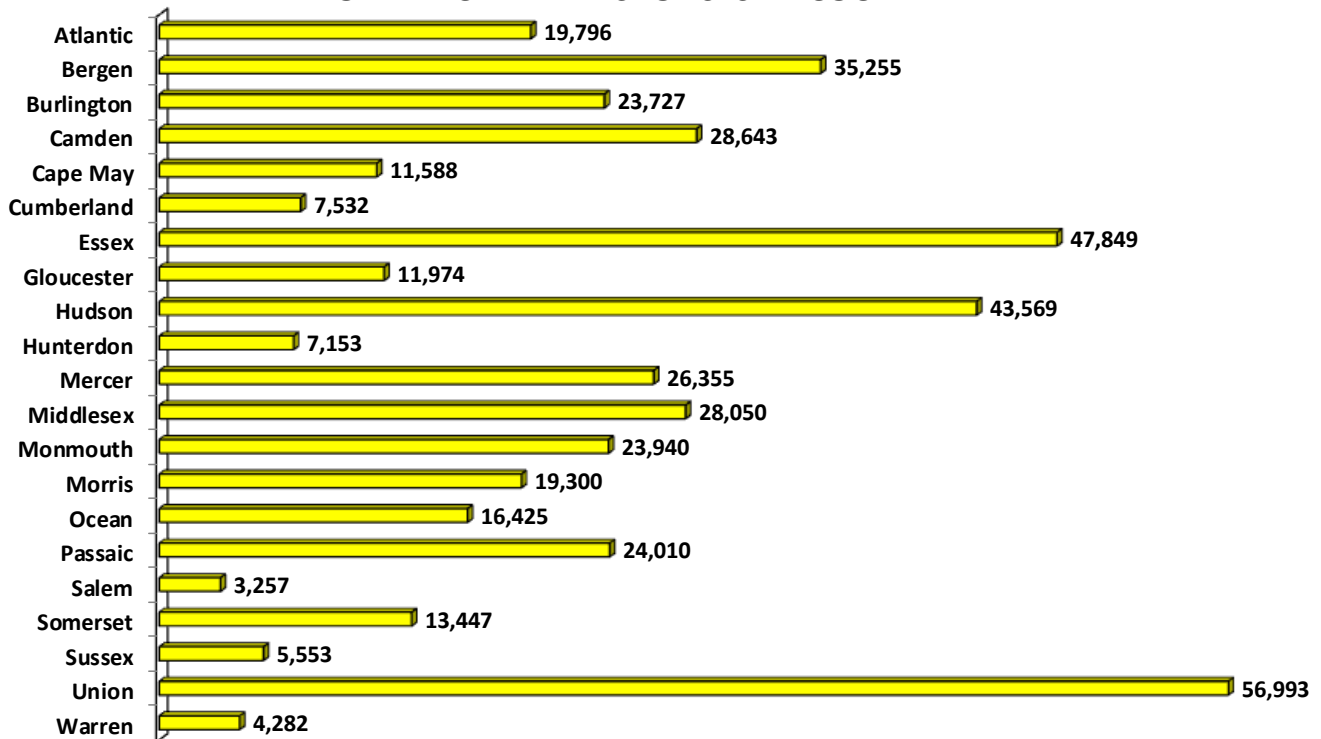


Picture courtesy of H.J. "Whitey" Swartz

# FIRE DEPARTMENT RESPONSES

The charts on this page represent the number of incidents that fire departments responded to in 2011. Totals include “aid given” and “aid received” incidents.

## TOTAL INCIDENT RESPONSES BY COUNTY

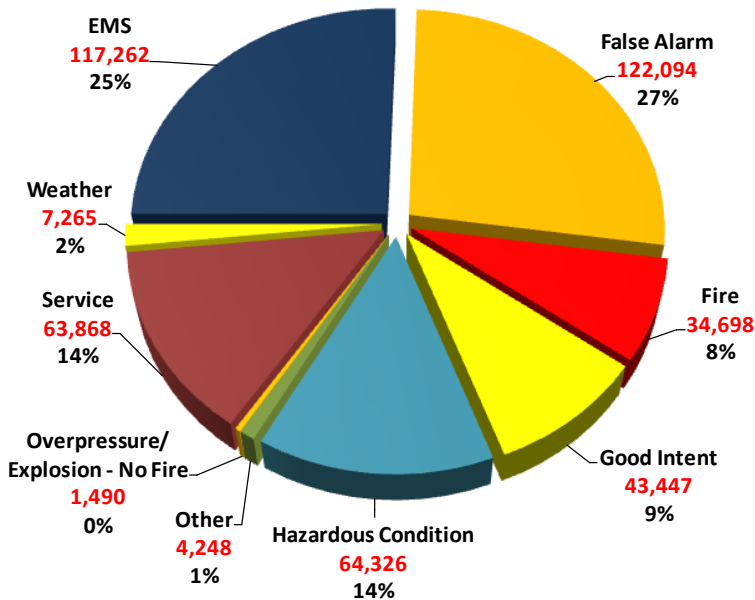


## COUNTY STATS

	POPULATION*	NUMBER OF FIRE DEPARTMENTS	LAND AREA, SQUARE MILES
Atlantic	274,549	43	561.07
Bergen	905,116	70	234.17
Burlington	448,734	46	804.57
Camden	513,657	41	222.30
Cape May	97,265	26	255.19
Cumberland	156,898	22	489.30
Essex	783,969	21	126.27
Gloucester	288,288	34	324.72
Hudson	634,266	8	46.69
Hunterdon	128,349	27	429.94
Mercer	366,513	27	225.93
Middlesex	809,858	48	309.72
Monmouth	630,380	68	471.94
Morris	492,276	54	468.99
Ocean	576,567	47	636.28
Passaic	501,226	23	185.29
Salem	66,083	19	337.88
Somerset	323,444	36	304.69
Sussex	149,265	27	521.26
Union	536,499	21	103.29
Warren	108,692	22	357.87
<b>TOTAL</b>	<b>8,791,894</b>	<b>730</b>	<b>7,417.36</b>

\* Figures based on the 2010 U.S. Census

## INCIDENT TYPE SUMMARY



# INCIDENT RESPONSES BY COUNTY

## Sussex County

**Population: 149,265**  
25 of 27 fire departments responded to **5,553** incidents  
Fire Rate: **2.3**

## Morris County

**Population: 492,276**  
50 of 54 fire departments responded to **19,300** incidents  
Fire Rate: **2.0**

## Passaic County

**Population: 501,226**  
22 of 23 fire departments responded to **24,010** incidents  
Fire Rate: **3.3**

## Bergen County

**Population: 905,116**  
66 of 70 fire departments responded to **35,255** incidents  
Fire Rate: **2.3**

## Warren County

**Population: 108,692**  
21 of 22 fire departments responded to **4,282** incidents  
Fire Rate: **2.7**

## Hunterdon County

**Population: 128,349**  
26 of 27 fire departments responded to **7,153** incidents  
Fire Rate: **2.5**

## Somerset County

**Population: 323,444**  
29 of 36 fire departments responded to **13,447** incidents  
Fire Rate: **1.5**

## Mercer County

**Population: 366,513**  
27 of 27 fire departments responded to **26,355** incidents  
Fire Rate: **4.2**

## Burlington County

**Population: 448,734**  
44 of 46 fire departments responded to **23,727** incidents  
Fire Rate: **2.7**

## Camden County

**Population: 513,657**  
35 of 41 fire departments responded to **28,643** incidents  
Fire Rate: **4.7**

## Gloucester County

**Population: 288,288**  
30 of 34 fire departments responded to **11,974** incidents  
Fire Rate: **2.2**

## Salem County

**Population: 66,083**  
19 of 19 fire departments responded to **3,257** incidents  
Fire Rate: **3.8**

## Cumberland County

**Population: 156,898**  
20 of 22 fire departments responded to **7,532** incidents  
Fire Rate: **4.0**

## Hudson County

**Population: 634,266**  
8 of 8 fire departments responded to **43,569** incidents  
Fire Rate: **3.7**

## Essex County

**Population: 783,969**  
21 of 21 fire departments responded to **47,849** incidents  
Fire Rate: **4.1**

## Union County

**Population: 536,499**  
21 of 21 fire departments responded to **56,993** incidents  
Fire Rate: **3.3**

## Middlesex County

**Population: 809,858**  
41 of 48 fire departments responded to **28,050** incidents  
Fire Rate: **2.3**

## Monmouth County

**Population: 630,380**  
64 of 68 fire departments responded to **23,940** incidents  
Fire Rate: **3.0**

## Ocean County

**Population: 576,567**  
45 of 47 fire departments responded to **16,425** incidents  
Fire Rate: **2.1**

## Atlantic County

**Population: 274,549**  
42 of 43 fire departments responded to **19,796** incidents  
Fire Rate: **3.7**

## Cape May County

**Population: 97,265**  
26 of 26 fire departments responded to **11,588** incidents  
Fire Rate: **4.5**



**PLEASE NOTE: Incident totals include “aid given” incidents.**

Fire rate is based upon the number of fires in each county per 1,000 people of reporting departments.

# Atlantic County

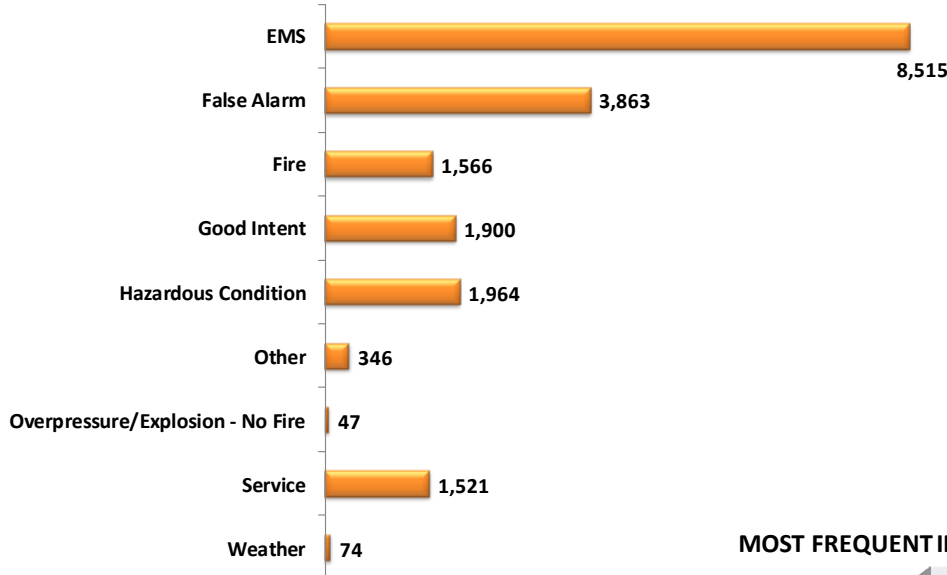
Participation Percentage

**95%**

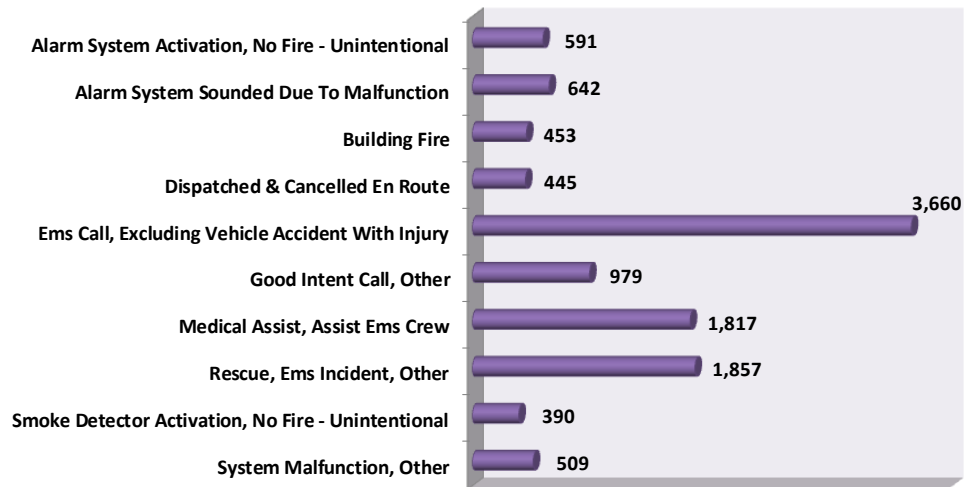
Participating FDs / Total FDs

**41/43**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	667	340	123	140	130	7	6	138		1,551
February	636	266	158	178	174	17	3	119	3	1,554
March	687	263	153	167	120	22	2	80	1	1,495
April	680	281	146	152	122	24	2	87	1	1,495
May	777	285	135	147	110	17	3	117	1	1,592
June	759	275	178	162	176	25	5	134	5	1,719
July	868	423	156	163	177	68	4	122	10	1,991
August	825	498	132	165	387	41	4	297	52	2,401
September	711	386	81	166	145	23	5	120		1,637
October	675	344	95	140	164	37	5	114	1	1,575
November	572	230	106	163	119	53	2	91		1,336
December	658	272	103	157	140	12	6	102		1,450
<b>TOTAL</b>	<b>8,515</b>	<b>3,863</b>	<b>1,566</b>	<b>1,900</b>	<b>1,964</b>	<b>346</b>	<b>47</b>	<b>1,521</b>	<b>74</b>	<b>19,796</b>

# Bergen County

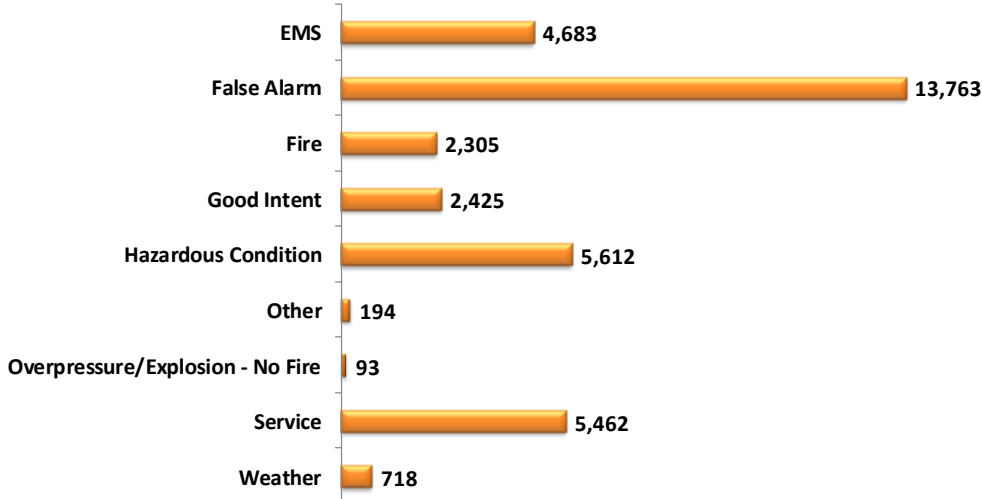
Participation Percentage

**94%**

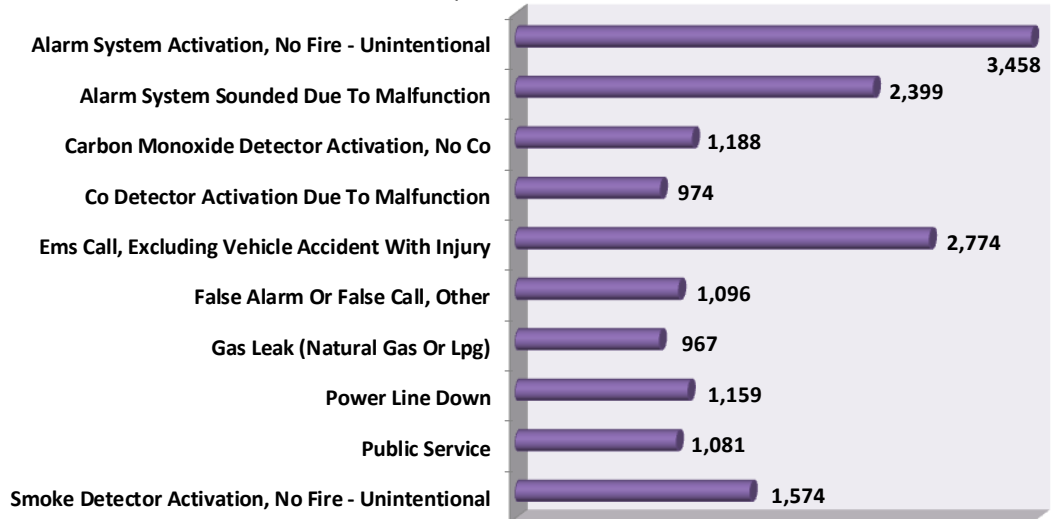
Participating FDs / Total FDs

**66/70**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	353	1,072	178	177	324	6	10	409	5	2,534
February	354	827	178	173	310	10	10	291	6	2,159
March	404	1,062	183	178	315	8	4	422	21	2,597
April	339	988	204	152	273	8	4	322	8	2,298
May	369	1,034	192	159	312	13	5	306	2	2,392
June	421	991	233	157	297	14	6	336	55	2,510
July	358	1,089	205	169	335	20	9	321	11	2,517
August	536	1,641	196	306	886	37	6	1,464	494	5,566
September	419	1,276	172	184	409	14	10	409	11	2,904
October	415	1,519	186	298	1,259	27	5	486	102	4,297
November	346	1,221	169	249	553	24	14	350	1	2,927
December	369	1,043	209	223	339	13	10	346	2	2,554
<b>TOTAL</b>	<b>4,683</b>	<b>13,763</b>	<b>2,305</b>	<b>2,425</b>	<b>5,612</b>	<b>194</b>	<b>93</b>	<b>5,462</b>	<b>718</b>	<b>35,255</b>



# Burlington County

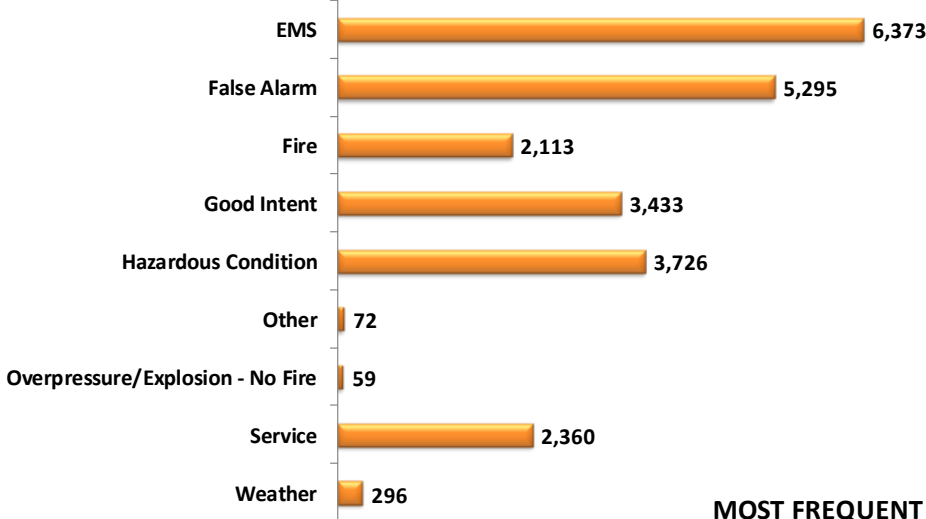
Participation Percentage

**95%**

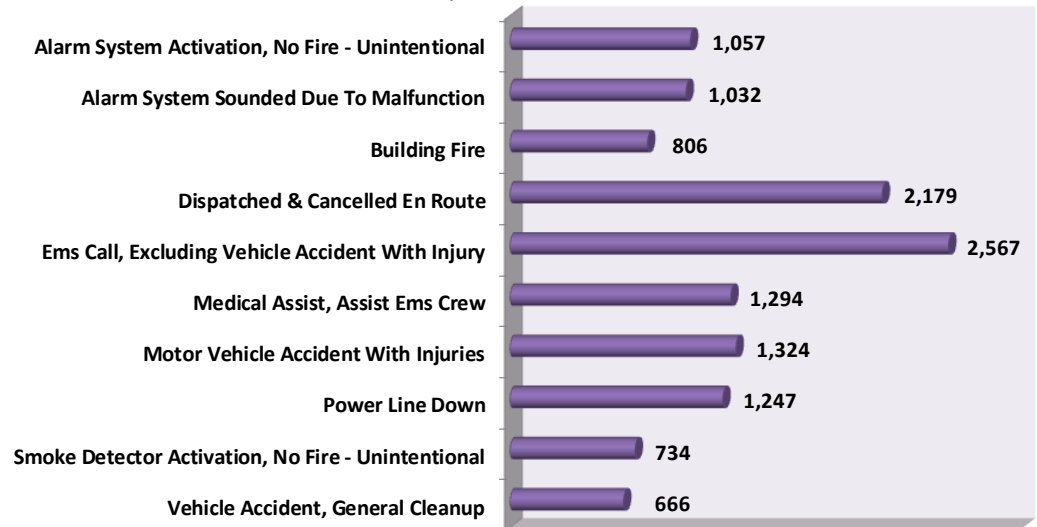
Participating FDs / Total FDs

**44/46**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	624	441	177	358	336	6	6	226	12	2,174
February	468	372	197	323	362	4	7	177	12	1,922
March	472	396	168	274	249	1	7	106	2	1,675
April	518	396	219	246	230	3	5	191	13	1,821
May	518	406	187	229	216	6	3	207		1,772
June	520	386	215	260	256	5		129	3	1,774
July	565	556	197	326	465	12	4	242	49	2,416
August	549	557	142	335	713	8	7	538	210	3,059
September	537	500	129	268	234	5	6	141	5	1,825
October	562	488	159	278	247	7	6	149	1	1,897
November	526	397	159	265	191	10	6	122	1	1,677
December	514	400	164	271	227	5	2	132		1,715
<b>TOTAL</b>	<b>6,373</b>	<b>5,295</b>	<b>2,113</b>	<b>3,433</b>	<b>3,726</b>	<b>72</b>	<b>59</b>	<b>2,360</b>	<b>296</b>	<b>23,727</b>

# Camden County

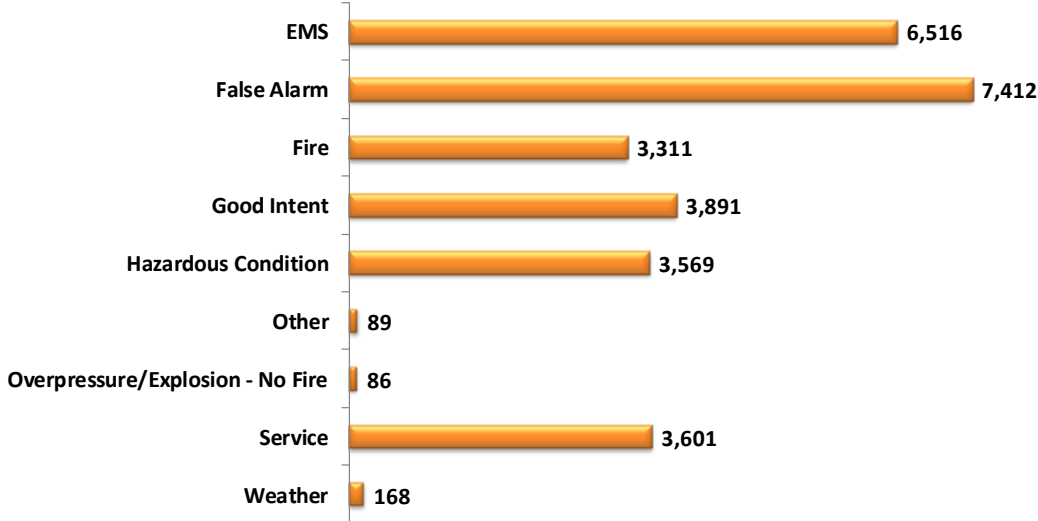
Participation Percentage

**85%**

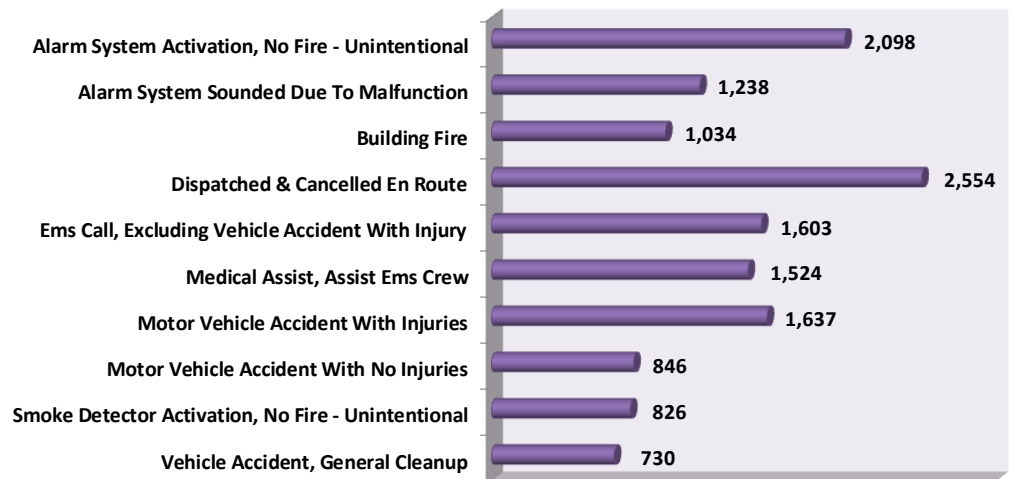
Participating FDs / Total FDs

**35/41**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	634	655	248	305	317	4	9	268	9	2,449
February	511	518	264	298	320	4	3	230	1	2,149
March	544	566	291	326	235	8	7	204		2,181
April	517	577	296	340	235	11	6	243	1	2,226
May	571	555	298	290	258	7	1	233	1	2,214
June	564	603	343	344	275	10	9	282	1	2,431
July	582	705	351	334	322	8	12	324	16	2,654
August	554	783	232	385	512	6	12	933	130	3,547
September	529	658	169	321	265	8	6	254	6	2,216
October	575	658	259	342	291	10	8	230	3	2,376
November	475	532	279	299	237	7	5	192		2,026
December	460	602	281	307	302	6	8	208		2,174
<b>TOTAL</b>	<b>6,516</b>	<b>7,412</b>	<b>3,311</b>	<b>3,891</b>	<b>3,569</b>	<b>89</b>	<b>86</b>	<b>3,601</b>	<b>168</b>	<b>28,643</b>

# Cape May County

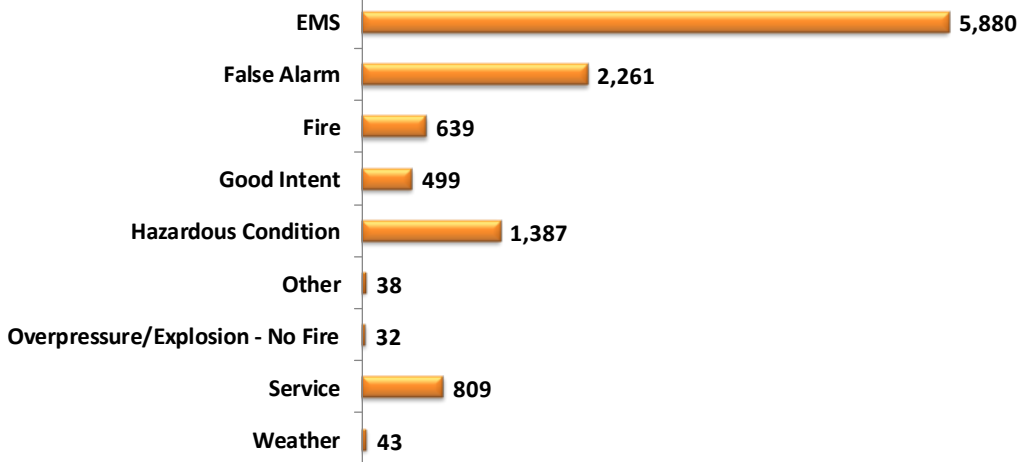
Participation Percentage

**100%**

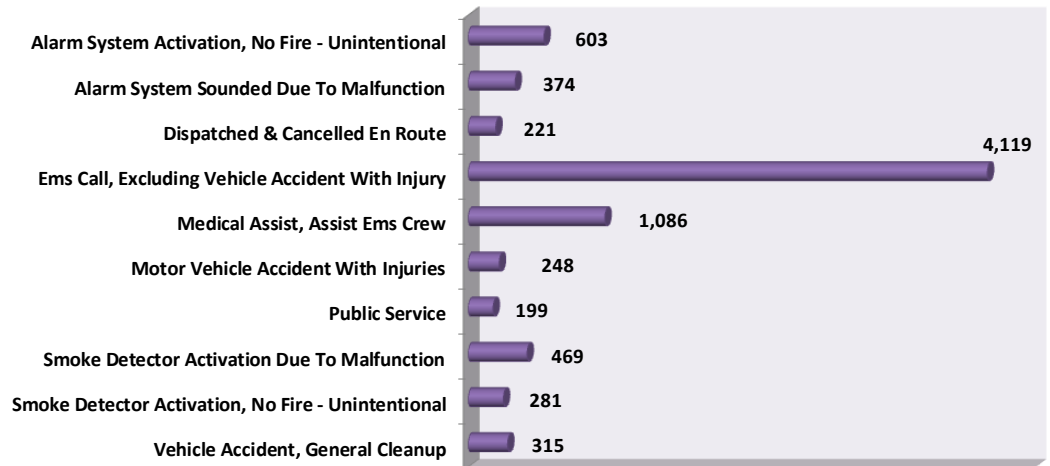
Participating FDs / Total FDs

**26/26**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	336	164	67	40	100	1	1	80	1	790
February	308	157	49	22	102	2		58	1	699
March	341	142	36	35	61	2	2	48		667
April	365	129	54	40	97	3	2	68	1	759
May	590	182	44	49	118	3	3	49	1	1,039
June	716	196	77	55	125	8	6	85	2	1,270
July	916	275	86	55	183	6	6	83	7	1,617
August	737	278	67	54	217	3	7	114	27	1,504
September	537	219	42	50	118	1		54		1,021
October	396	198	49	40	106	3	4	64	3	863
November	323	157	38	30	69	2		51		670
December	315	164	30	29	91	4	1	55		689
<b>TOTAL</b>	<b>5,880</b>	<b>2,261</b>	<b>639</b>	<b>499</b>	<b>1,387</b>	<b>38</b>	<b>32</b>	<b>809</b>	<b>43</b>	<b>11,588</b>

# Cumberland County

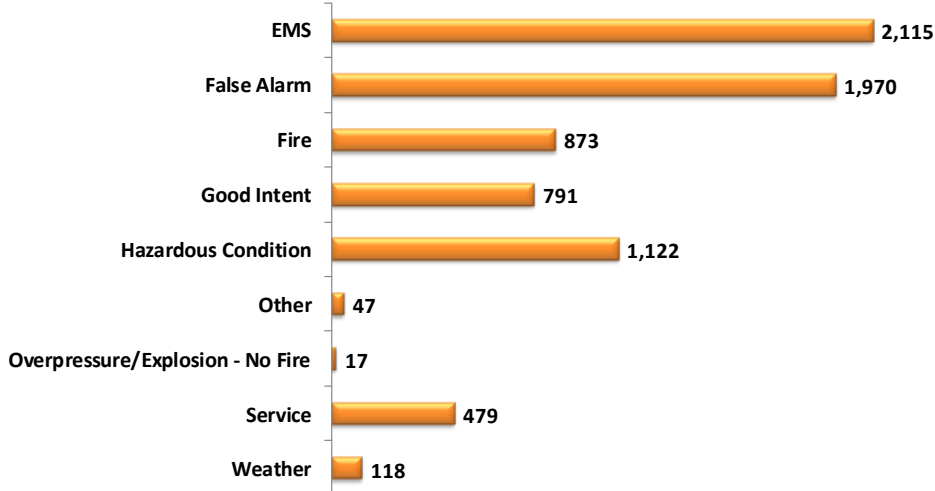
Participation Percentage

**90%**

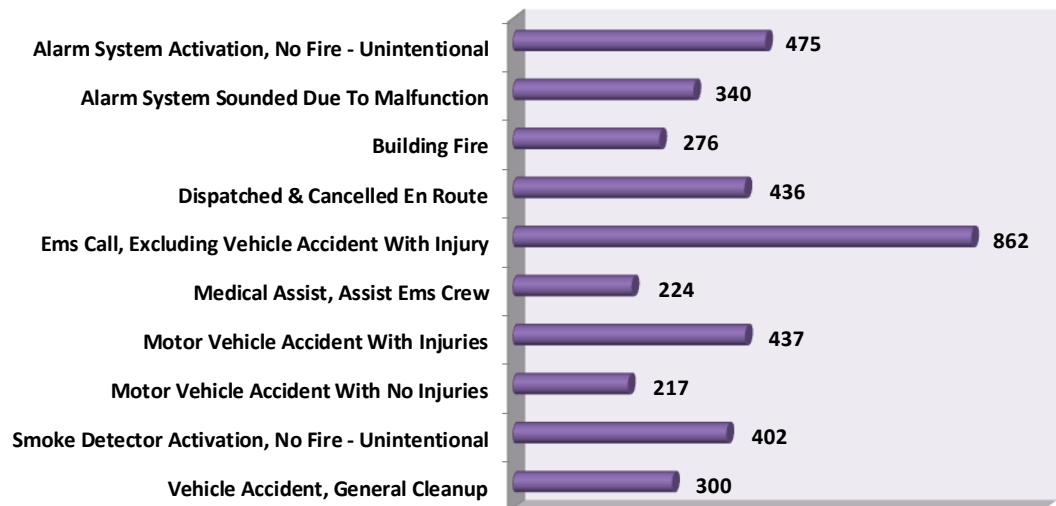
Participating FDs / Total FDs

**20/22**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	192	153	61	65	70	3	2	37		583
February	151	124	102	66	65	1	2	18	3	532
March	156	150	86	46	70		3	31		542
April	153	140	63	53	77	5	1	36	8	536
May	197	131	54	52	90	10	1	31		566
June	154	170	69	66	120	2	1	40		622
July	175	192	109	68	113	4	1	52	10	724
August	217	261	76	97	202	9	3	122	96	1,083
September	160	181	45	77	95	5	2	36		601
October	204	154	63	65	80	2		19		587
November	167	154	76	65	60	2		29		553
December	189	160	69	71	80	4	1	28	1	603
<b>TOTAL</b>	<b>2,115</b>	<b>1,970</b>	<b>873</b>	<b>791</b>	<b>1,122</b>	<b>47</b>	<b>17</b>	<b>479</b>	<b>118</b>	<b>7,532</b>

# Essex County

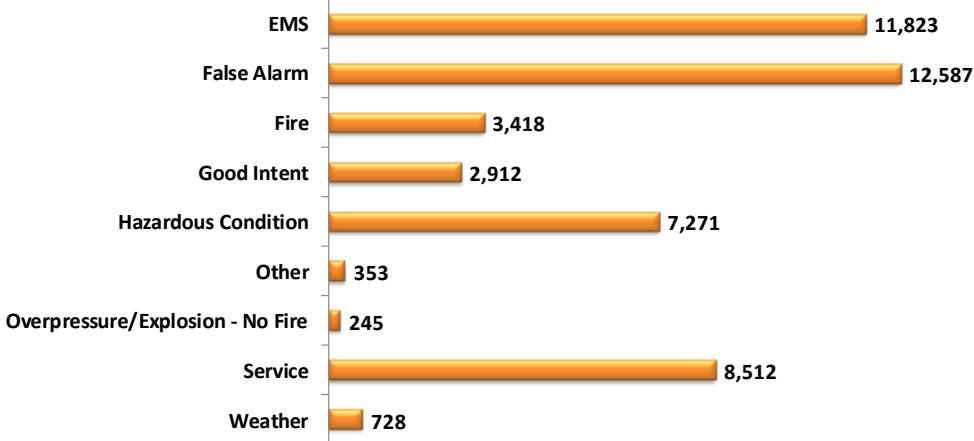
Participation Percentage

**100%**

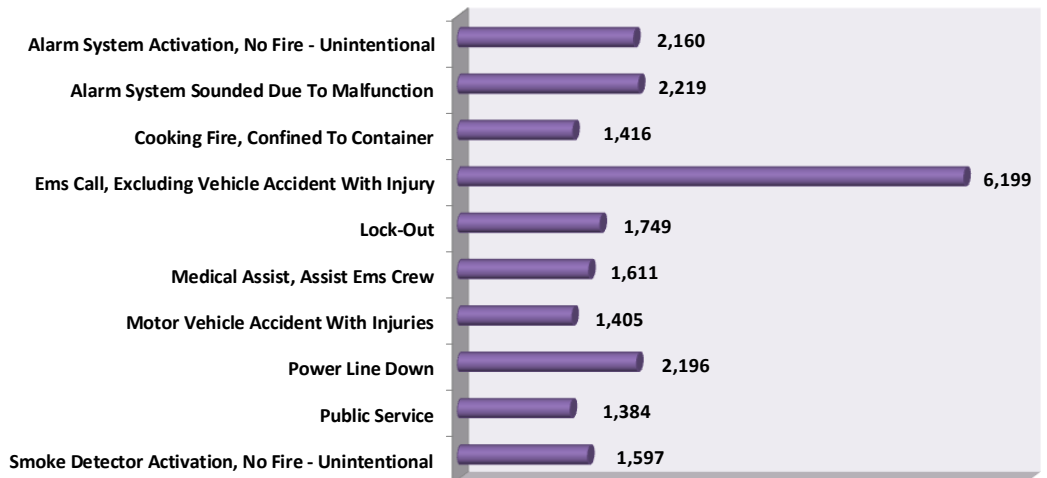
Participating FDs / Total FDs

**21/21**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	787	781	217	182	332	69	13	720	36	3,137
February	849	929	251	222	486	22	22	633	6	3,420
March	971	1,036	336	244	393	29	17	635	5	3,666
April	947	1,026	280	214	358	23	27	614	2	3,491
May	1,050	1,047	311	204	426	29	26	582	7	3,682
June	989	933	290	208	433	21	16	559	21	3,470
July	1,012	1,067	295	233	464	27	18	561		3,677
August	913	1,342	254	342	926	33	12	1,311	504	5,637
September	1,020	1,167	253	242	544	21	11	726	15	3,999
October	1,063	1,309	324	311	1,610	42	31	849	104	5,643
November	1,100	1,044	299	248	843	17	28	723	22	4,324
December	1,122	906	308	262	456	20	24	599	6	3,703
<b>TOTAL</b>	<b>11,823</b>	<b>12,587</b>	<b>3,418</b>	<b>2,912</b>	<b>7,271</b>	<b>353</b>	<b>245</b>	<b>8,512</b>	<b>728</b>	<b>47,849</b>

# Gloucester County

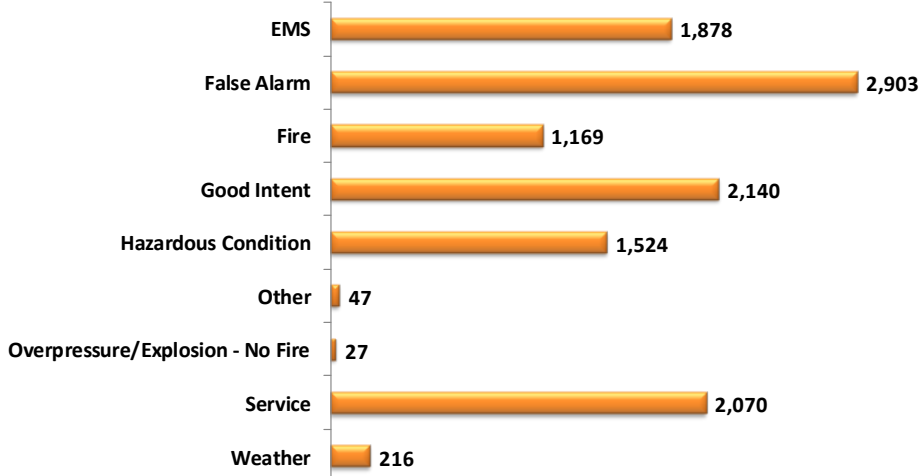
Participation Percentage

**88%**

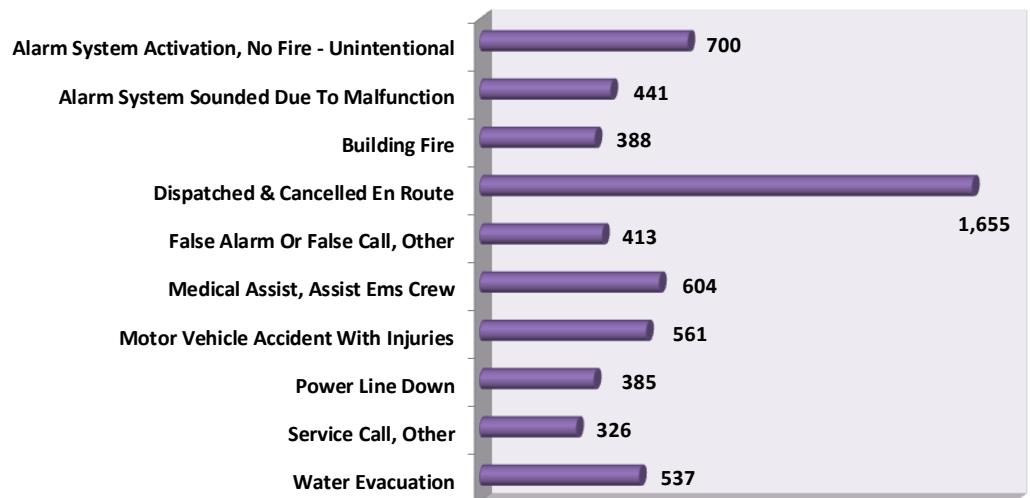
Participating FDs / Total FDs

**30/34**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	174	245	114	159	84	5	3	101		885
February	150	171	92	157	139	1	3	99	10	822
March	161	215	108	138	70	3	5	73		773
April	146	221	82	173	84	3	2	123	3	837
May	168	181	103	178	90	3	3	78	3	807
June	147	253	121	205	135	6	1	146	7	1,021
July	178	245	97	174	117	6	2	133	11	963
August	167	389	93	266	372	8	1	961	176	2,433
September	138	301	75	168	109	2	1	123	4	921
October	159	233	97	195	118	3	1	89		895
November	147	224	92	170	98	4	2	53		790
December	143	225	95	157	108	3	3	91	2	827
<b>TOTAL</b>	<b>1,878</b>	<b>2,903</b>	<b>1,169</b>	<b>2,140</b>	<b>1,524</b>	<b>47</b>	<b>27</b>	<b>2,070</b>	<b>216</b>	<b>11,974</b>

# Hudson County

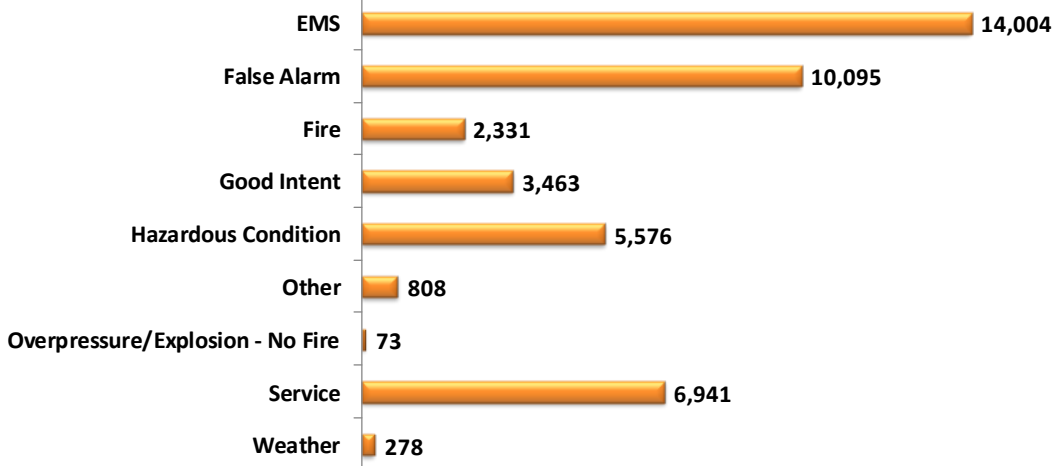
Participation Percentage

**100%**

Participating FDs / Total FDs

**8/8**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	1,345	938	215	307	340	37	9	553	3	3,747
February	1,288	785	216	309	427	51	6	467	3	3,552
March	1,299	832	224	293	371	82	5	504	1	3,611
April	1,244	785	212	323	380	49	8	470	7	3,478
May	1,396	794	195	285	332	49	6	499		3,556
June	1,107	710	201	265	364	47	2	534	2	3,232
July	1,175	866	176	291	385	78	7	648	2	3,628
August	1,097	1,118	148	331	736	107	5	1,046	200	4,788
September	909	863	129	197	357	67	3	432	2	2,959
October	1,144	913	204	266	1,048	90	2	775	56	4,498
November	1,040	732	210	297	485	79	7	521	2	3,373
December	960	759	201	299	351	72	13	492		3,147
<b>TOTAL</b>	<b>14,004</b>	<b>10,095</b>	<b>2,331</b>	<b>3,463</b>	<b>5,576</b>	<b>808</b>	<b>73</b>	<b>6,941</b>	<b>278</b>	<b>43,569</b>

# Hunterdon County

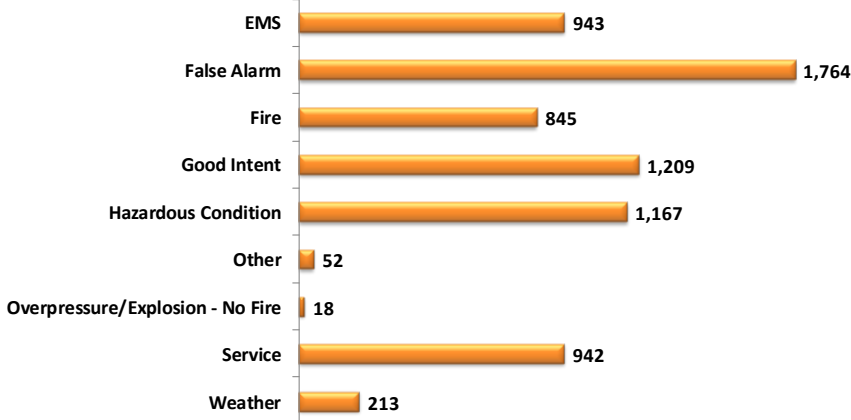
**Participation Percentage**

**96%**

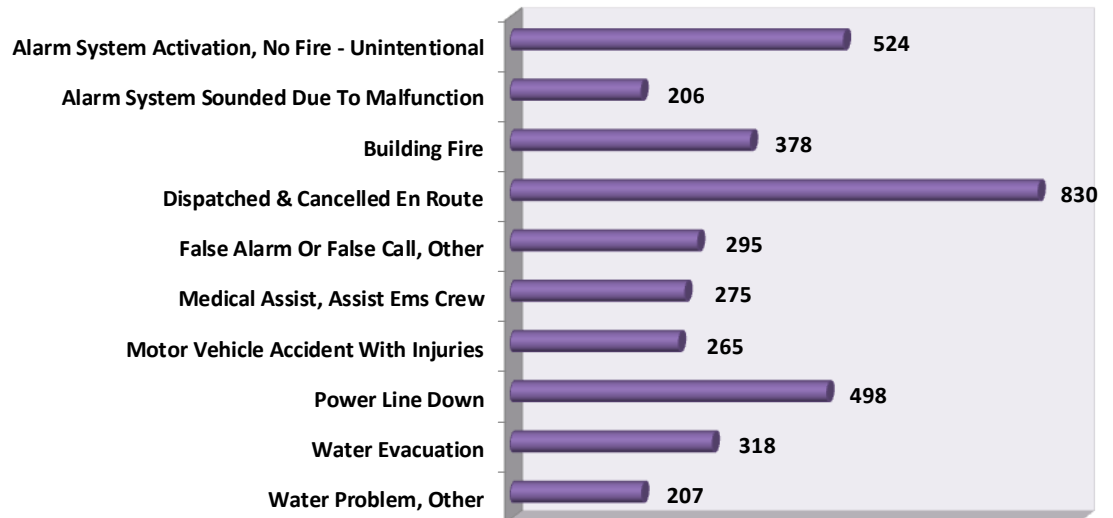
**Participating FDs / Total FDs**

**26/27**

**INCIDENT TYPE RESPONSES BY CATEGORY**



**MOST FREQUENT INCIDENT TYPES**



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	72	153	71	80	47	1	2	29		455
February	55	116	59	81	94	3	3	17		428
March	75	128	121	87	50	6	2	26	2	497
April	78	103	30	72	37	2	1	16	1	340
May	102	120	69	81	47	3	1	33	2	458
June	81	110	64	88	62	1	2	23		431
July	80	138	72	87	79	5	1	20	3	485
August	113	214	100	162	206	12		533	136	1,476
September	73	181	71	126	87	11	3	122	26	700
October	95	229	50	139	318	3	1	57	41	933
November	54	148	90	99	99	4	1	39	1	535
December	65	124	48	107	41	1	1	27	1	415
<b>TOTAL</b>	<b>943</b>	<b>1,764</b>	<b>845</b>	<b>1,209</b>	<b>1,167</b>	<b>52</b>	<b>18</b>	<b>942</b>	<b>213</b>	<b>7,153</b>



# Mercer County

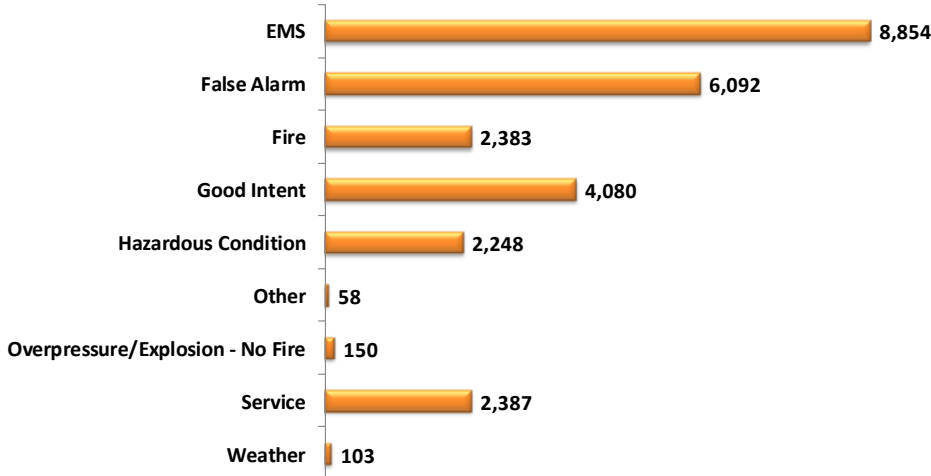
Participation Percentage

**100%**

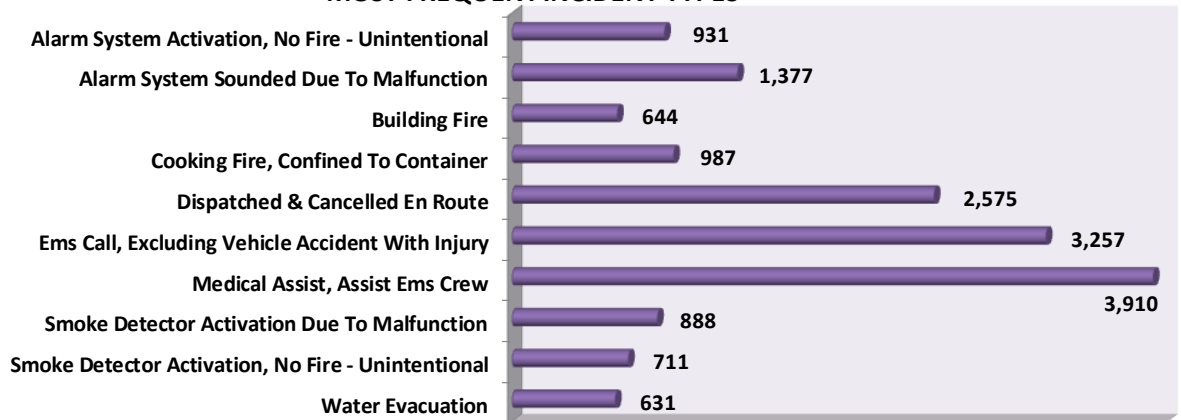
Participating FDs / Total FDs

**27/27**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	799	527	196	357	182	6	8	172	7	2,254
February	713	427	173	250	159	4	10	112	1	1,849
March	748	425	197	373	140	8	19	145		2,055
April	720	421	215	273	142	4	12	132		1,919
May	787	465	190	331	116	4	16	121		2,030
June	758	484	225	305	176	2	8	115	1	2,074
July	779	595	242	328	230	4	13	155	15	2,361
August	768	705	166	451	361	6	6	804	66	3,333
September	642	615	201	363	192	3	13	268	13	2,310
October	705	547	179	346	217	8	9	99		2,110
November	700	459	202	338	159	6	15	124		2,003
December	735	422	197	365	174	3	21	140		2,057
<b>TOTAL</b>	<b>8,854</b>	<b>6,092</b>	<b>2,383</b>	<b>4,080</b>	<b>2,248</b>	<b>58</b>	<b>150</b>	<b>2,387</b>	<b>103</b>	<b>26,355</b>

# Middlesex County

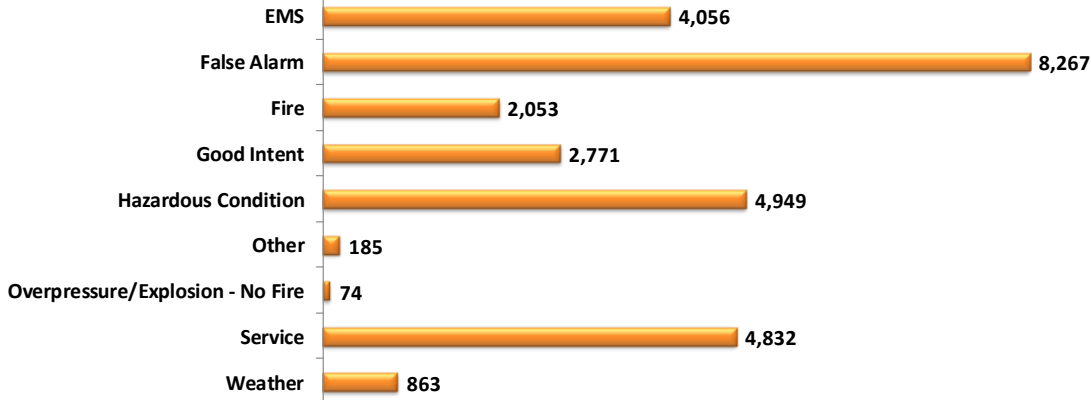
**Participation Percentage**

**85%**

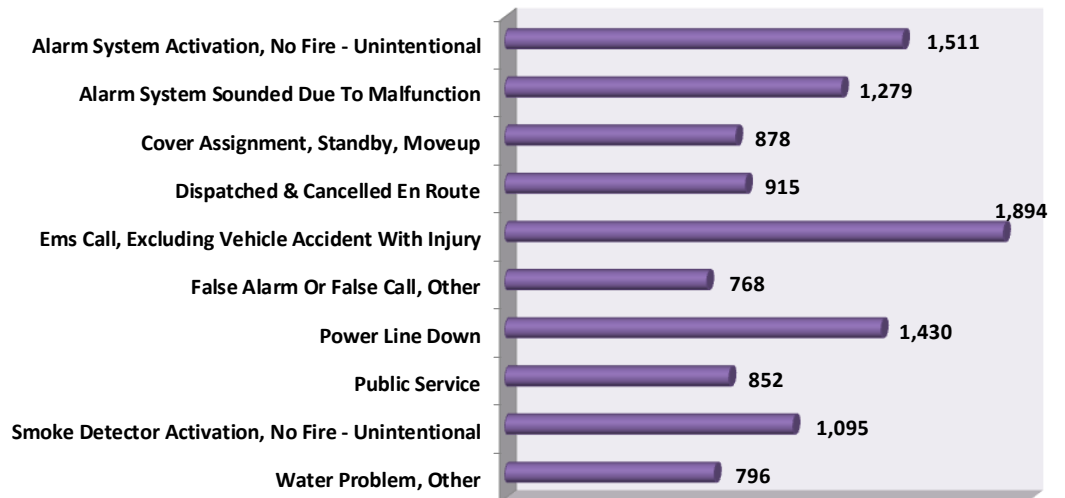
**Participating FDs / Total FDs**

**41/48**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	426	739	161	253	328	9	11	366	7	2,300
February	303	655	196	215	408	3	8	306	7	2,101
March	345	571	194	241	252	25	3	278	1	1,910
April	376	676	158	201	281	20	8	287	10	2,017
May	445	731	177	202	311	21	5	235	1	2,128
June	427	644	163	216	284	17	4	233	2	1,990
July	345	670	205	204	274	11	6	242	5	1,962
August	482	1,068	172	346	997	24	8	1,290	758	5,145
September	298	832	153	233	354	24	4	406	6	2,310
October	245	705	150	249	923	19	6	541	65	2,903
November	229	580	173	231	308	6	8	404		1,939
December	135	396	151	180	229	6	3	244	1	1,345
<b>TOTAL</b>	<b>4,056</b>	<b>8,267</b>	<b>2,053</b>	<b>2,771</b>	<b>4,949</b>	<b>185</b>	<b>74</b>	<b>4,832</b>	<b>863</b>	<b>28,050</b>

# Monmouth County

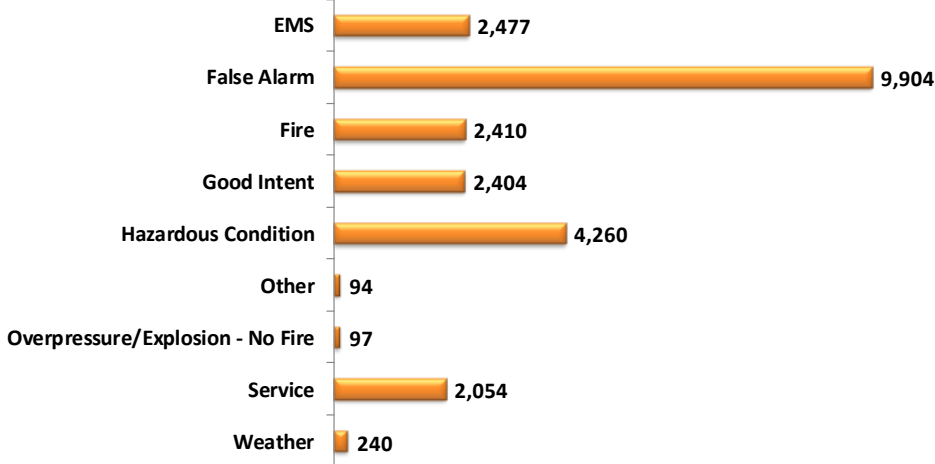
Participation Percentage

**94%**

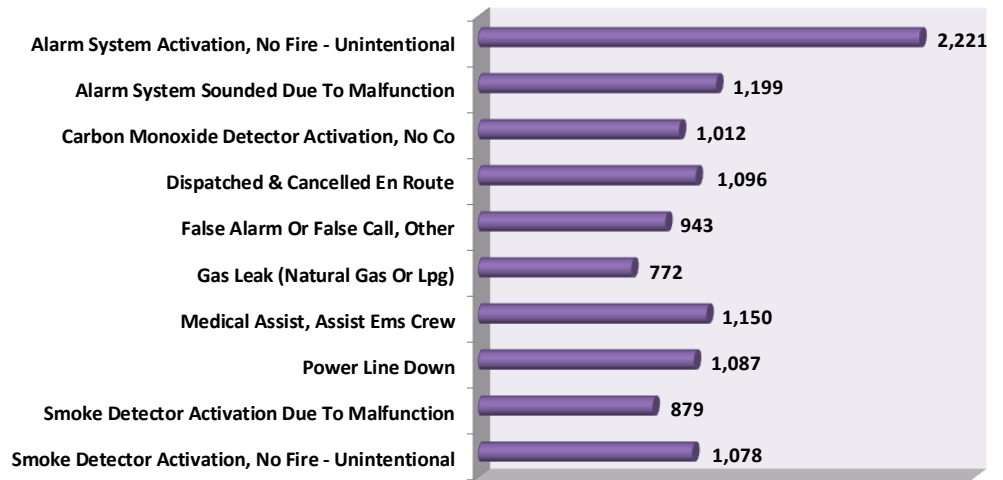
Participating FDs / Total FDs

**64/68**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	212	850	196	195	316	4	14	182	12	1,981
February	180	678	162	180	285	2	6	124	2	1,619
March	188	681	230	184	223	7	1	132		1,646
April	194	745	184	170	254	6	8	121	1	1,683
May	202	738	194	180	275	10	5	121		1,725
June	214	737	218	184	292	6	8	106	16	1,781
July	256	1,010	273	216	363	21	8	177	19	2,343
August	363	1,417	257	380	1,149	9	16	596	188	4,375
September	190	921	161	177	308	11	6	107		1,881
October	158	822	149	185	280	9	9	115	1	1,728
November	146	668	203	171	246	6	8	118	1	1,567
December	174	637	183	182	269	3	8	155		1,611
<b>TOTAL</b>	<b>2,477</b>	<b>9,904</b>	<b>2,410</b>	<b>2,404</b>	<b>4,260</b>	<b>94</b>	<b>97</b>	<b>2,054</b>	<b>240</b>	<b>23,940</b>

# Morris County

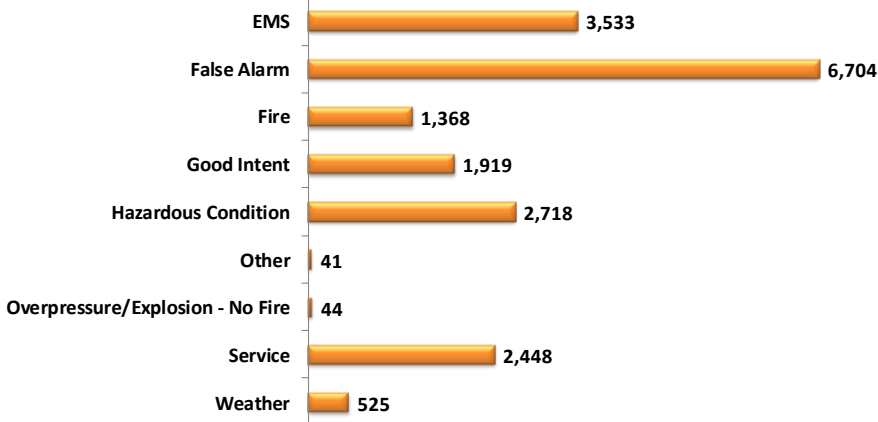
Participation Percentage

**92%**

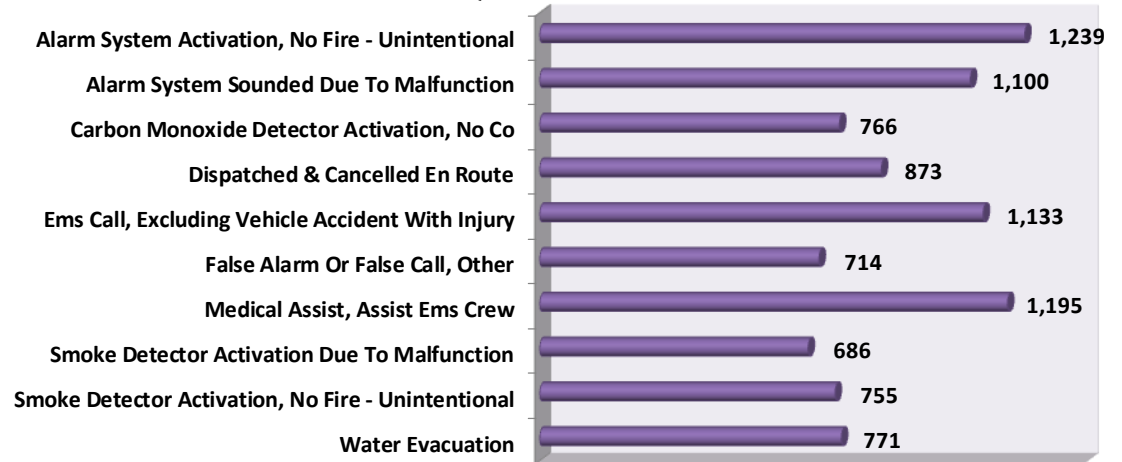
Participating FDs / Total FDs

**50/54**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	333	572	113	155	189	1	7	92		1,462
February	305	480	113	125	134		6	98	2	1,263
March	330	490	111	137	148	3	3	218	19	1,459
April	237	472	124	119	143	2	3	95	6	1,201
May	335	516	135	107	174	2	1	106	3	1,379
June	293	521	111	154	187	4	6	92	9	1,377
July	320	626	147	155	188	7	3	88	6	1,540
August	285	796	96	214	394	5	2	950	414	3,156
September	286	619	84	194	199	2	2	231	14	1,631
October	304	704	105	232	586	9	5	246	52	2,243
November	282	513	135	185	219	1	3	136		1,474
December	223	395	94	142	157	5	3	96		1,115
<b>TOTAL</b>	<b>3,533</b>	<b>6,704</b>	<b>1,368</b>	<b>1,919</b>	<b>2,718</b>	<b>41</b>	<b>44</b>	<b>2,448</b>	<b>525</b>	<b>19,300</b>

# Ocean County

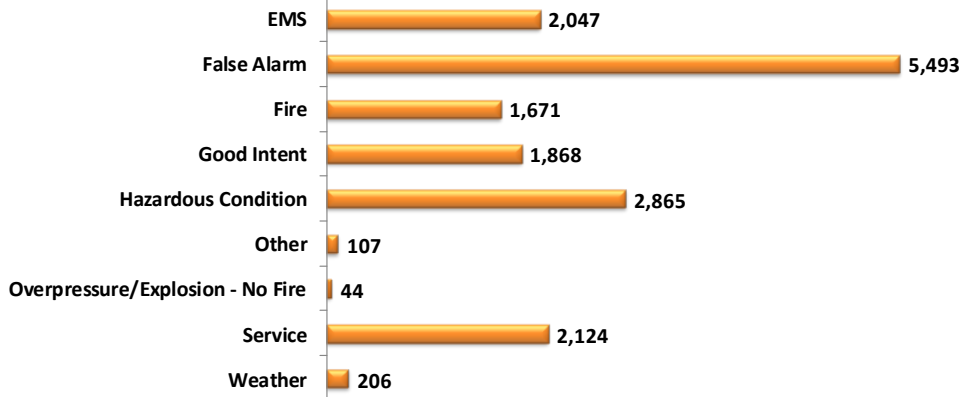
Participation Percentage

**95%**

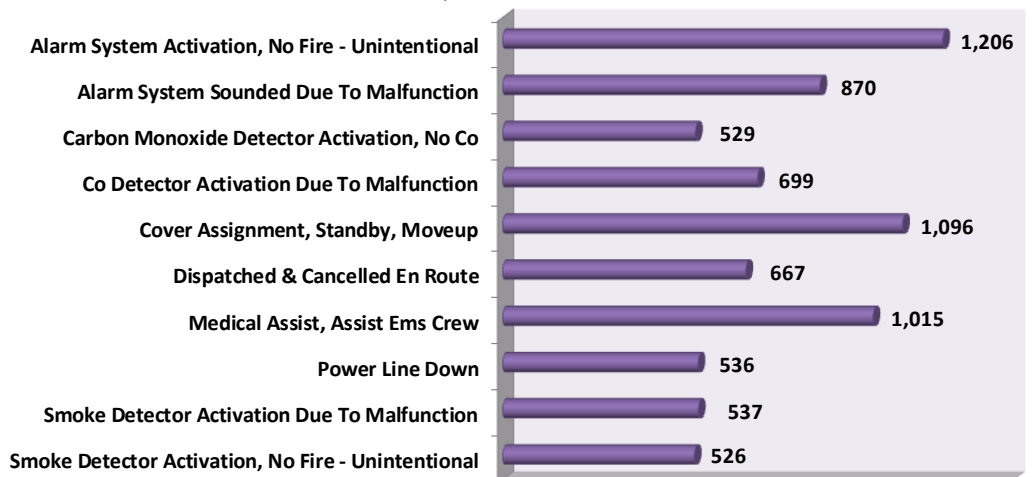
Participating FDs / Total FDs

**45/47**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	171	526	125	155	193	9	2	211	5	1,397
February	138	364	178	111	190	8	1	139	2	1,131
March	165	421	133	147	153	8	2	169	1	1,199
April	146	423	146	126	148	7	3	148	6	1,153
May	174	436	145	139	182	6	4	152	3	1,241
June	192	481	138	171	252	5	4	163	13	1,419
July	209	656	201	187	379	15	2	272	48	1,969
August	213	568	137	199	622	19	4	343	126	2,231
September	228	429	107	165	215	12	10	167		1,333
October	165	438	106	165	194	7	3	121	2	1,201
November	128	383	114	136	175	4	6	122		1,068
December	118	368	141	167	162	7	3	117		1,083
<b>TOTAL</b>	<b>2,047</b>	<b>5,493</b>	<b>1,671</b>	<b>1,868</b>	<b>2,865</b>	<b>107</b>	<b>44</b>	<b>2,124</b>	<b>206</b>	<b>16,425</b>

# Passaic County

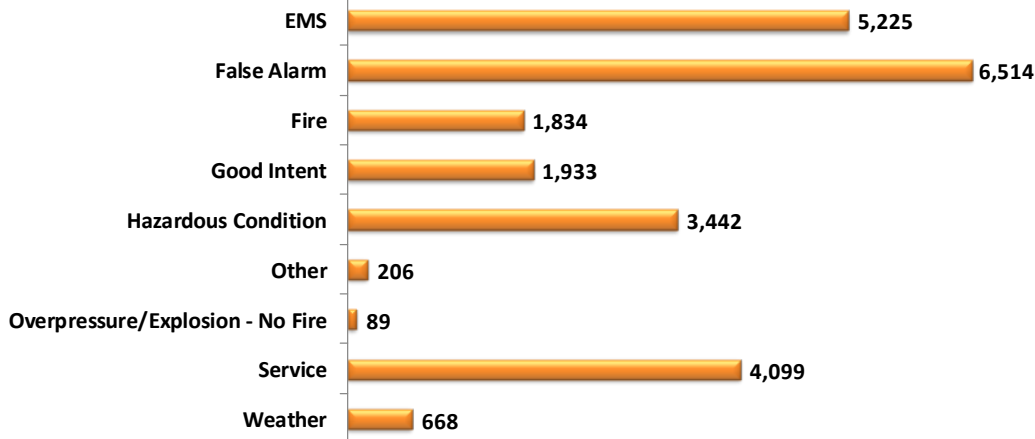
Participation Percentage

**95%**

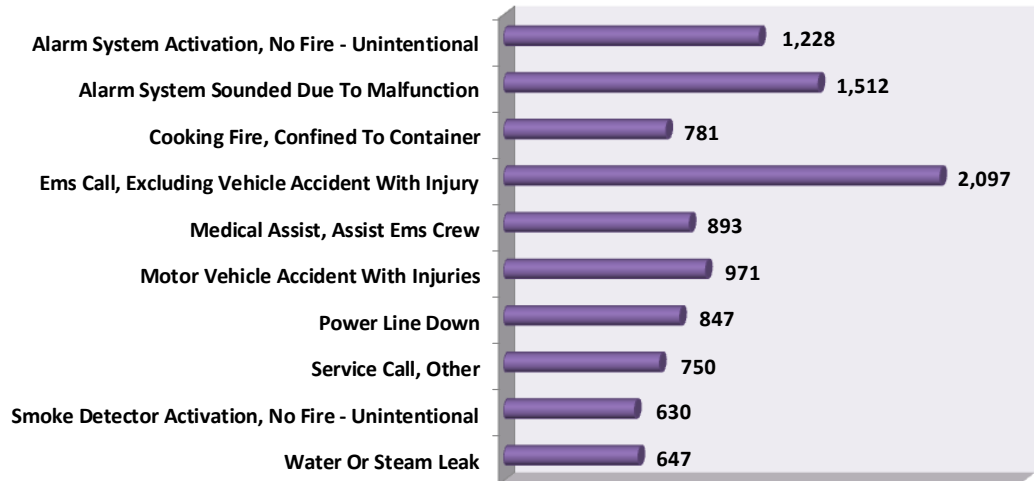
Participating FDs / Total FDs

**22/23**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	401	517	162	137	180	21	10	311	2	1,741
February	403	461	164	128	234	13	9	259	1	1,672
March	534	476	183	175	206	16	7	394	37	2,028
April	381	477	175	130	176	12	3	210	8	1,572
May	415	462	157	126	181	12	5	238	5	1,601
June	458	502	149	152	220	24	4	322	16	1,847
July	396	566	174	139	240	20	12	264	7	1,818
August	505	745	130	214	527	25	9	930	325	3,410
September	395	600	131	164	284	22	9	391	213	2,209
October	456	655	133	234	692	17	10	314	53	2,564
November	439	515	142	178	297	14	4	210	1	1,800
December	442	538	134	156	205	10	7	256		1,748
<b>TOTAL</b>	<b>5,225</b>	<b>6,514</b>	<b>1,834</b>	<b>1,933</b>	<b>3,442</b>	<b>206</b>	<b>89</b>	<b>4,099</b>	<b>668</b>	<b>24,010</b>

# Salem County

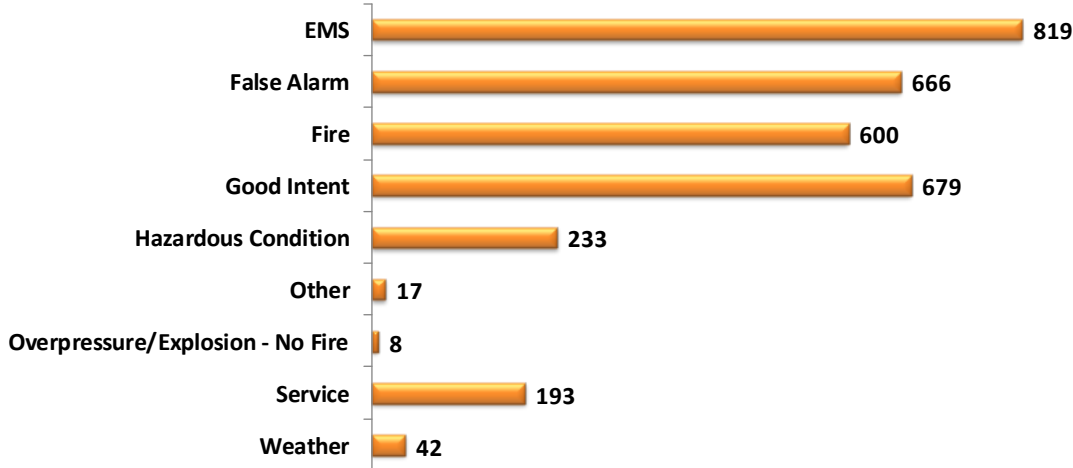
Participation Percentage

**100%**

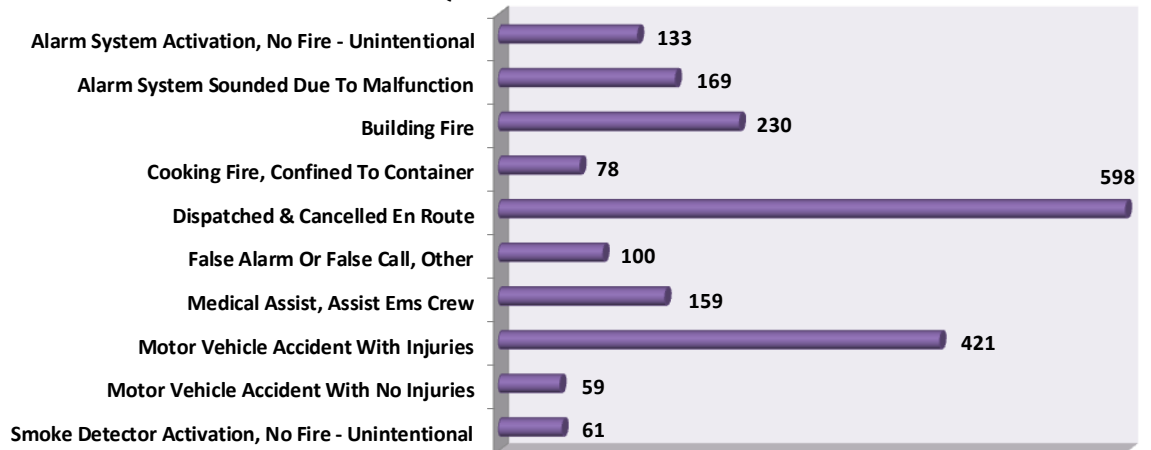
Participating FDs / Total FDs

**19/19**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	92	56	80	51	18	1		9		307
February	63	43	48	38	22	1		7	1	223
March	64	32	48	45	9	1		8		207
April	58	46	56	69	10	2	2	14	11	268
May	64	65	47	61	17			5		259
June	48	48	60	54	26	1		7	2	246
July	78	76	58	64	19	1	3	5		304
August	85	88	29	62	44	3	1	121	27	460
September	74	67	62	54	15	3	1	3		279
October	56	61	39	58	21	2		3		240
November	64	42	39	53	21	1	1	3		224
December	73	42	34	70	11	1		8	1	240
<b>TOTAL</b>	<b>819</b>	<b>666</b>	<b>600</b>	<b>679</b>	<b>233</b>	<b>17</b>	<b>8</b>	<b>193</b>	<b>42</b>	<b>3,257</b>

# Somerset County

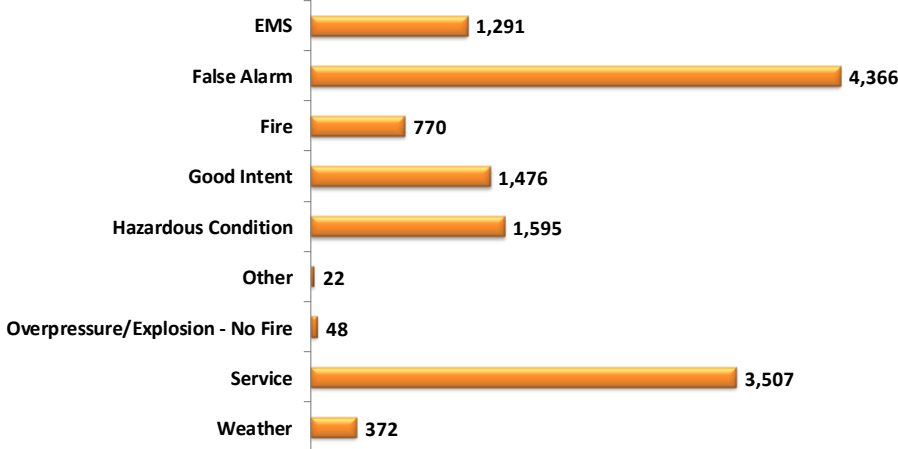
Participation Percentage

**80%**

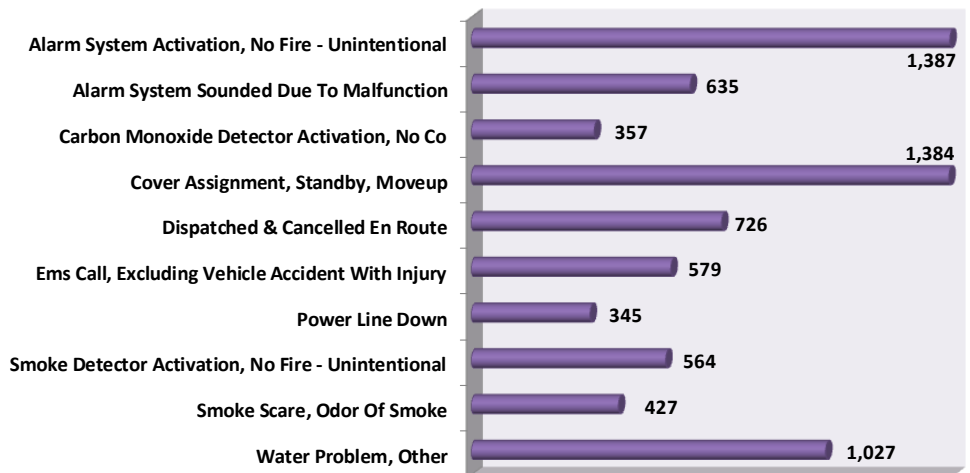
Participating FDs / Total FDs

**29/36**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	62	335	61	121	105	1	5	149	3	842
February	57	296	52	140	146		1	128	1	821
March	40	304	60	84	85	1	4	89	1	668
April	114	316	49	115	73		3	115	2	787
May	105	388	73	101	86		6	154	3	916
June	135	315	81	136	104	3		125		899
July	149	427	90	123	97		3	139	4	1,032
August	290	661	67	179	348	4	5	2,100	345	3,999
September	127	404	56	131	128	5	3	182	12	1,048
October	86	320	59	101	197	5	8	95	1	872
November	64	288	75	130	125		4	139		825
December	62	312	47	115	101	3	6	92		738
<b>TOTAL</b>	<b>1,291</b>	<b>4,366</b>	<b>770</b>	<b>1,476</b>	<b>1,595</b>	<b>22</b>	<b>48</b>	<b>3,507</b>	<b>372</b>	<b>13,447</b>



# Sussex County

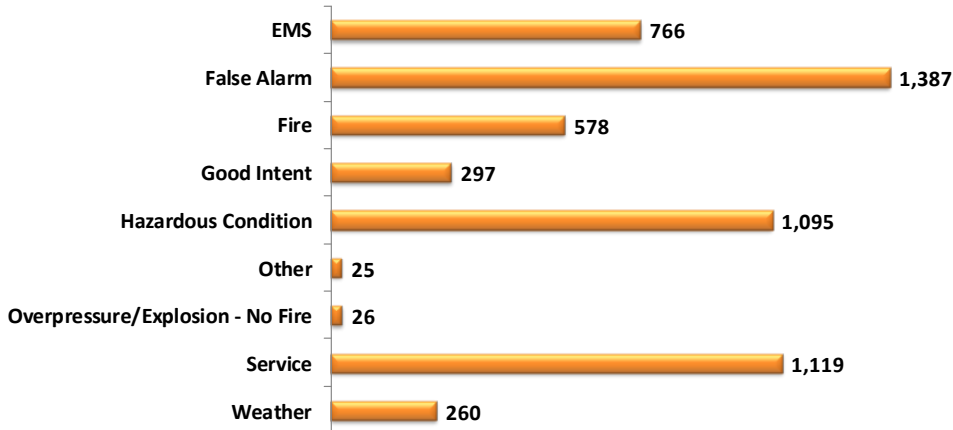
Participation Percentage

**92%**

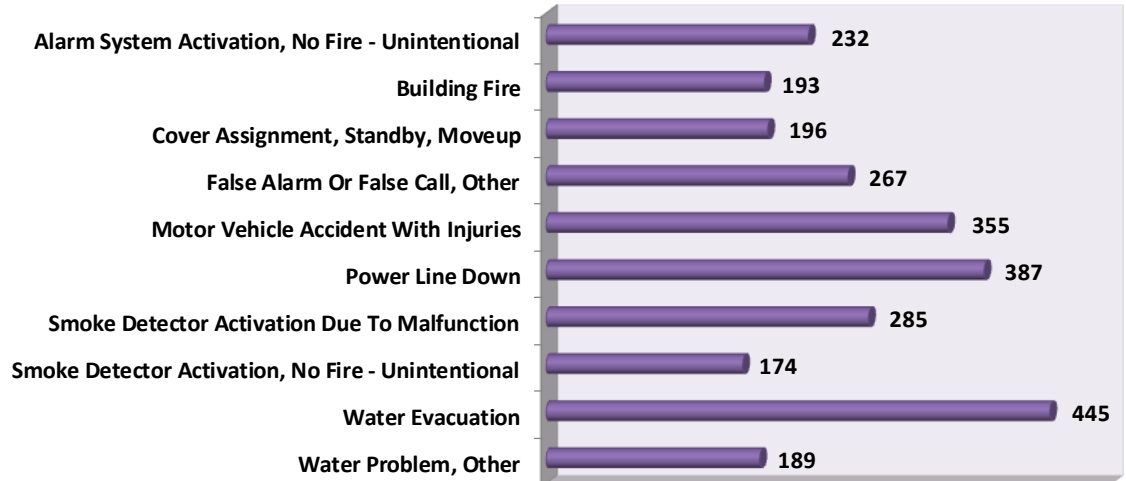
Participating FDs / Total FDs

**25/27**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	65	110	70	21	59		3	26		354
February	39	91	55	16	68		3	36		308
March	53	111	61	16	38	2	2	95	8	386
April	47	87	41	16	68	1	2	31	1	294
May	66	100	51	22	79	4	4	31	5	362
June	81	115	40	19	64	4	1	26	8	358
July	77	96	37	25	48	2	1	36	7	329
August	78	174	39	33	255	4		444	143	1,170
September	78	157	33	43	84	4	4	275	86	764
October	68	150	43	41	215		1	62	2	582
November	63	104	51	27	75	1	3	27		351
December	51	92	57	18	42	3	2	30		295
<b>TOTAL</b>	<b>766</b>	<b>1,387</b>	<b>578</b>	<b>297</b>	<b>1,095</b>	<b>25</b>	<b>26</b>	<b>1,119</b>	<b>260</b>	<b>5,553</b>

# Union County

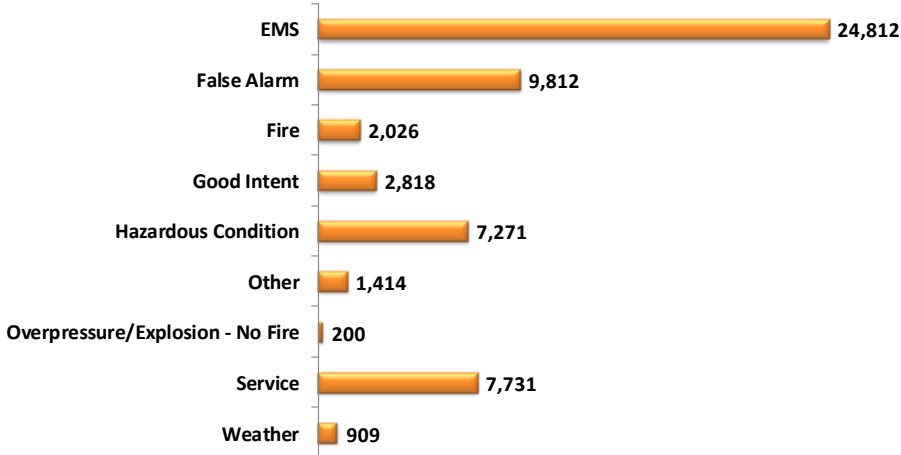
Participation Percentage

**100%**

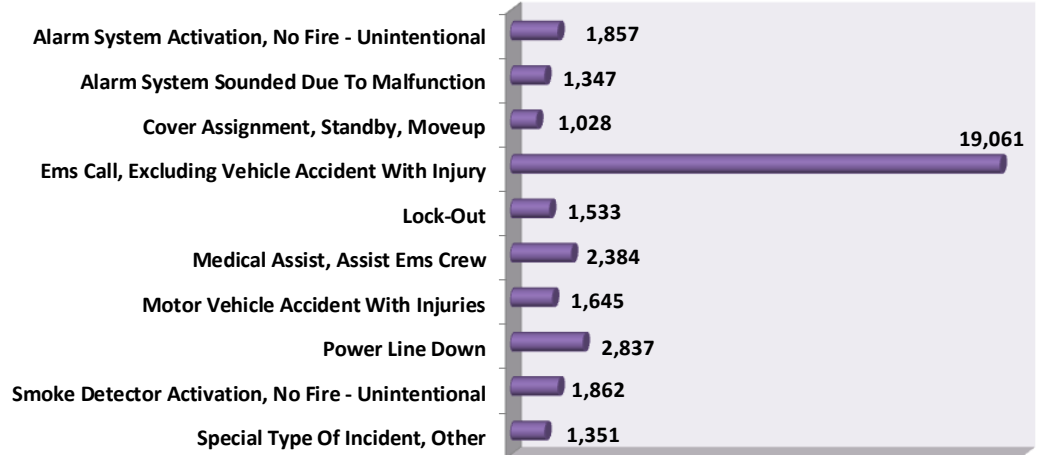
Participating FDs / Total FDs

**21/21**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	2,089	755	195	223	378	99	15	581	3	4,338
February	1,898	628	147	225	716	114	12	526	9	4,275
March	1,958	710	166	209	322	148	23	463	8	4,007
April	1,957	785	165	191	318	110	13	464	16	4,019
May	2,077	719	147	211	345	124	21	457	6	4,107
June	2,059	730	181	218	377	101	15	586	7	4,274
July	2,228	857	243	234	424	96	17	569		4,668
August	1,977	1,012	121	264	1,089	120	13	1,763	616	6,975
September	2,164	1,010	162	274	470	130	15	600	15	4,840
October	2,184	1,049	151	306	1,738	144	19	649	214	6,454
November	2,008	777	157	235	657	136	13	551	12	4,546
December	2,213	780	191	228	437	92	24	522	3	4,490
<b>TOTAL</b>	<b>24,812</b>	<b>9,812</b>	<b>2,026</b>	<b>2,818</b>	<b>7,271</b>	<b>1,414</b>	<b>200</b>	<b>7,731</b>	<b>909</b>	<b>56,993</b>

# Warren County

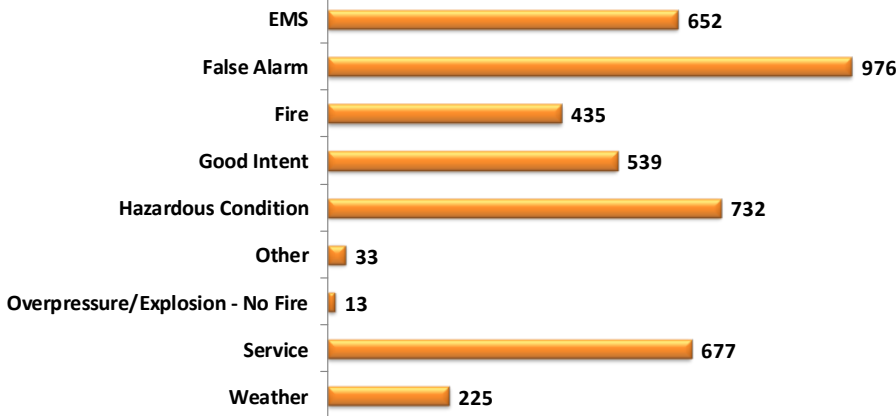
**Participation Percentage**

**95%**

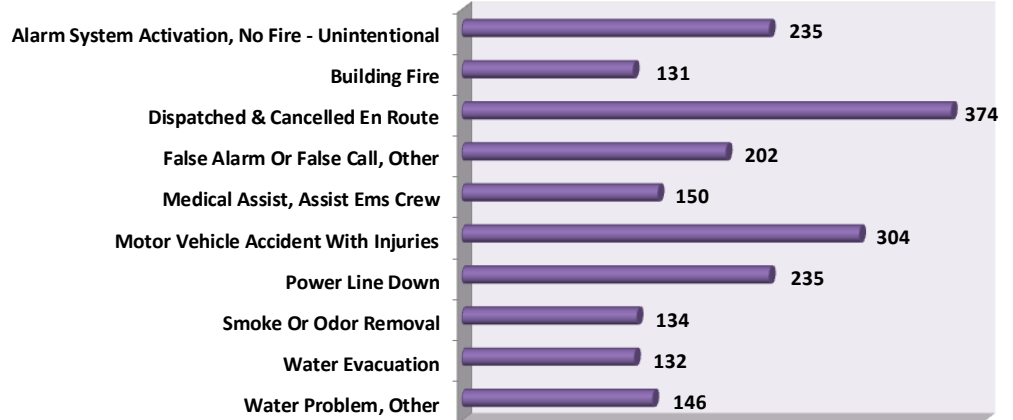
**Participating FDs / Total FDs**

**21/22**

## INCIDENT TYPE RESPONSES BY CATEGORY



## MOST FREQUENT INCIDENT TYPES



MONTH	EMS	FALSE ALARM	FIRE	GOOD INTENT	HAZARDOUS CONDITION	OTHER	OVERPRESSURE/EXPLOSION - NO FIRE	SERVICE	WEATHER	TOTAL
January	59	116	25	64	49	2	4	37		356
February	47	72	41	32	42		1	40	1	276
March	50	82	46	31	39	3	1	28	4	284
April	48	59	38	31	33	2		31	1	243
May	68	57	48	42	35			41	10	301
June	59	78	36	33	47	1	2	35	2	293
July	51	84	29	42	66	2	1	34	11	320
August	53	93	50	62	124	7	1	223	119	732
September	64	87	27	54	64	8	1	123	58	486
October	54	100	26	62	137	4		31	19	433
November	50	69	31	40	52		1	37		280
December	49	79	38	46	44	4	1	17		278
<b>TOTAL</b>	<b>652</b>	<b>976</b>	<b>435</b>	<b>539</b>	<b>732</b>	<b>33</b>	<b>13</b>	<b>677</b>	<b>225</b>	<b>4,282</b>

# FIRE INCIDENT RESPONSES BY MONTH

ALL FIRES BY CATEGORY	MONTH	CULTIVATED VEGETATION, CROP FIRE	MOBILE PROPERTY (VEHICLE) FIRE	NATURAL VEGETATION FIRE	OTHER	OUTSIDE RUBBISH FIRE	SPECIAL OUTSIDE FIRE	STRUCTURE FIRE	TOTAL
	January		259	18	66	132	30	1,546	2,051
	February	1	253	183	74	190	36	1,351	2,088
	March	7	248	292	76	267	24	1,446	2,360
	April	2	231	224	61	255	44	1,308	2,125
	May	2	265	294	58	310	71	1,240	2,240
	June	4	306	482	69	339	74	1,121	2,395
	July	6	336	544	77	329	111	1,125	2,528
	August	2	310	176	105	232	68	1,075	1,968
	September	2	259	92	68	223	37	1,010	1,691
October	2	235	100	45	236	37	1,330	1,985	
November	2	229	187	53	252	38	1,378	2,139	
December	1	207	148	49	191	21	1,361	1,978	
<b>TOTAL</b>	<b>31</b>	<b>3,138</b>	<b>2,740</b>	<b>801</b>	<b>2,956</b>	<b>591</b>	<b>15,291</b>	<b>25,548</b>	

CONFINED FIRES	MONTH	CHIMNEY OR FLUE FIRE, CONFINED TO CHIMNEY OR FLUE	COMMERCIAL COMPACTOR FIRE, CONFINED TO RUBBISH	COOKING FIRE, CONFINED TO CONTAINER	FUEL BURNER/BOILER MALFUNCTION, FIRE CONFINED	INCINERATOR OVERLOAD OR MALFUNCTION, FIRE CONFINED	TRASH OR RUBBISH FIRE, CONFINED	TOTAL
	January	122	2	802	175	3	76	1,180
	February	87	4	693	130	3	85	1,002
	March	81	2	813	104	4	84	1,088
	April	37	1	815	53	2	78	986
	May	14	6	802	36	2	93	953
	June	4	4	683	24	3	93	811
	July	6	1	632	13	3	106	761
	August	8		656	21	1	70	756
	September	8	3	678	31	1	71	792
	October	41	2	805	113	9	73	1,043
	November	41	3	873	92	3	89	1,101
	December	68	1	786	120	4	72	1,051
<b>TOTAL</b>	<b>517</b>	<b>29</b>	<b>9,038</b>	<b>912</b>	<b>38</b>	<b>990</b>	<b>11,524</b>	

STRUCTURE FIRES	MONTH	ASSEMBLY	EDUCATIONAL	HEALTH CARE, DETENTION AND CORRECTION	INDUSTRIAL, UTILITY, DEFENSE, AGRICULTURE, MINING	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	MANUFACTURING, PROCESSING	MERCANTILE, BUSINESS	NONE	OTHER	OUTSIDE OR SPECIAL PROPERTY	RESIDENTIAL	STORAGE	UNDETERMINED	TOTAL
	January	45	24	32	5		9	61	5	1	20	1,311	22	11	1,546
	February	43	43	35	4		7	58	2	3	24	1,102	24	6	1,351
	March	50	29	41	3		5	64		3	41	1,189	15	6	1,446
	April	47	22	33	1		3	59		2	36	1,084	16	5	1,308
	May	30	19	49	2		2	52	1		53	1,000	23	9	1,240
	June	51	21	28	4		7	45		2	43	889	26	5	1,121
	July	46	16	35	5	2	5	52	1	2	47	870	39	5	1,125
	August	43	10	30	1	1	4	56		2	36	874	12	6	1,075
	September	40	14	26	3		1	46	1	1	31	825	18	4	1,010
	October	40	30	37	6		6	56	2	2	28	1,099	15	9	1,330
	November	45	16	38	1	2	3	52	2		32	1,165	18	4	1,378
	December	34	19	33	5		5	52	2	1	28	1,155	17	10	1,361
	<b>TOTAL</b>	<b>514</b>	<b>263</b>	<b>417</b>	<b>40</b>	<b>5</b>	<b>57</b>	<b>653</b>	<b>16</b>	<b>19</b>	<b>419</b>	<b>12,563</b>	<b>245</b>	<b>80</b>	<b>15,291</b>

CONFINED FIRES	MONTH	ASSEMBLY	EDUCATIONAL	HEALTH CARE, DETENTION AND CORRECTION	INDUSTRIAL, UTILITY, DEFENSE, AGRICULTURE, MINING	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	MANUFACTURING, PROCESSING	MERCANTILE, BUSINESS	NONE	OTHER	OUTSIDE OR SPECIAL PROPERTY	RESIDENTIAL	STORAGE	UNDETERMINED	TOTAL
	January	42	18	31	2		5	43	2	1	16	1,003	6	11	1,180
	February	34	36	31			3	37	2	3	22	822	7	5	1,002
	March	44	27	40	1		1	44		2	34	887	3	5	1,088
	April	34	16	30	1		3	47		1	31	813	5	5	986
	May	19	17	44	2			26	1		38	793	5	8	953
	June	44	19	26	3		1	27		1	36	643	6	5	811
	July	39	14	33			1	25		2	41	595	8	3	761
	August	34	9	29			1	39		2	27	609	4	2	756
	September	35	12	25	1			26	1		25	662	2	3	792
	October	34	28	32	2		2	37	1	2	27	865	7	6	1,043
	November	43	14	37		1		38	2		30	929	5	2	1,101
	December	30	17	27	3		2	30	2	1	26	902	3	8	1,051
<b>TOTAL</b>	<b>432</b>	<b>227</b>	<b>385</b>	<b>15</b>	<b>1</b>	<b>19</b>	<b>419</b>	<b>11</b>	<b>15</b>	<b>353</b>	<b>9,523</b>	<b>61</b>	<b>63</b>	<b>11,524</b>	

# FIRE INCIDENT RESPONSES BY MONTH

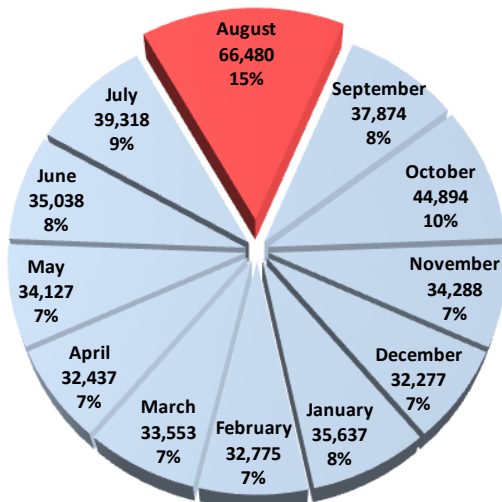
STRUCTURE FIRES BY SPECIFIC INCIDENT TYPE													
INCIDENT TYPE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Building Fire	345	325	327	300	270	287	338	293	190	279	261	284	3,499
Chimney Or Flue Fire, Confined To Chimney Or Flue	122	87	81	37	14	4	6	8	8	41	41	68	517
Commercial Compactor Fire, Confined To Rubbish	2	4	2	1	6	4	1		3	2	3	1	29
Cooking Fire, Confined To Container	802	693	813	815	802	683	632	656	678	805	873	786	9,038
Fire In Mobile Home Used As Fixed Residence		3	2	2		3	1	4	2		1	1	19
Fire In Mobile Property Used As A Fixed Structure, Other					1				1			1	3
Fire In Motor Home, Camper, Recreational Vehicle		1		1	1		2	1	1			1	8
Fire In Portable Building, Fixed Location	1	1	1	2	1							1	7
Fires In Structure Other Than In A Building	20	19	28	17	14	20	23	21	24	8	15	22	231
Fuel Burner/Boiler Malfunction, Fire Confined	175	130	104	53	36	24	13	21	31	113	92	120	912
Incinerator Overload Or Malfunction, Fire Confined	3	3	4	2	2	3	3	1	1	9	3	4	38
Trash Or Rubbish Fire, Contained	76	85	84	78	93	93	106	70	71	73	89	72	990
<b>TOTAL</b>	<b>1,546</b>	<b>1,351</b>	<b>1,446</b>	<b>1,308</b>	<b>1,240</b>	<b>1,121</b>	<b>1,125</b>	<b>1,075</b>	<b>1,010</b>	<b>1,330</b>	<b>1,378</b>	<b>1,361</b>	<b>15,291</b>

MOST FREQUENT EQUIPMENT INVOLVED IN IGNITION													
EQUIPMENT INVOLVED	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clothes Dryer	10	6	8	3	3	2	8	5	3	4	8	10	70
Electrical Distribution, Lighting Or Power Transfer, Other	2	3		1	2	2	2	1	1			1	15
Electrical Power (Utility) Line	2	2			1	2	3	1	2	3	1	1	18
Electrical Wiring, Other	2	2	1	2	7	1	3	2	1	3		3	27
Fan	1	1	1		2		2	1	1	4	2	1	16
Furnace, Central Heating Unit	9	13	1	1		1			1	4	1		31
Grill, Hibachi, Barbecue		1	1	2	6	5	7	8		2			32
Heating, Ventilating And Air Conditioning, Other	4	4	8	4	2	3		1	4	4	6	2	42
Kitchen And Cooking Equipment, Other	14	22	29	20	31	9	17	12	20	22	20	8	224
Microwave Oven	3	4		1	2	4	1	4	2		2	1	24
Oven, Rotisserie	4	1	3		5	2	1	1	4	2	4	4	31
Range With Or Without An Oven Or Cooking Surface	12	10	18	19	10	9	6	8	11	14	12	13	142
Stove, Heating	3	2	4	3	5		3	2		1	2	2	27
<b>TOTAL</b>	<b>66</b>	<b>71</b>	<b>74</b>	<b>56</b>	<b>76</b>	<b>40</b>	<b>53</b>	<b>46</b>	<b>50</b>	<b>63</b>	<b>58</b>	<b>46</b>	<b>699</b>

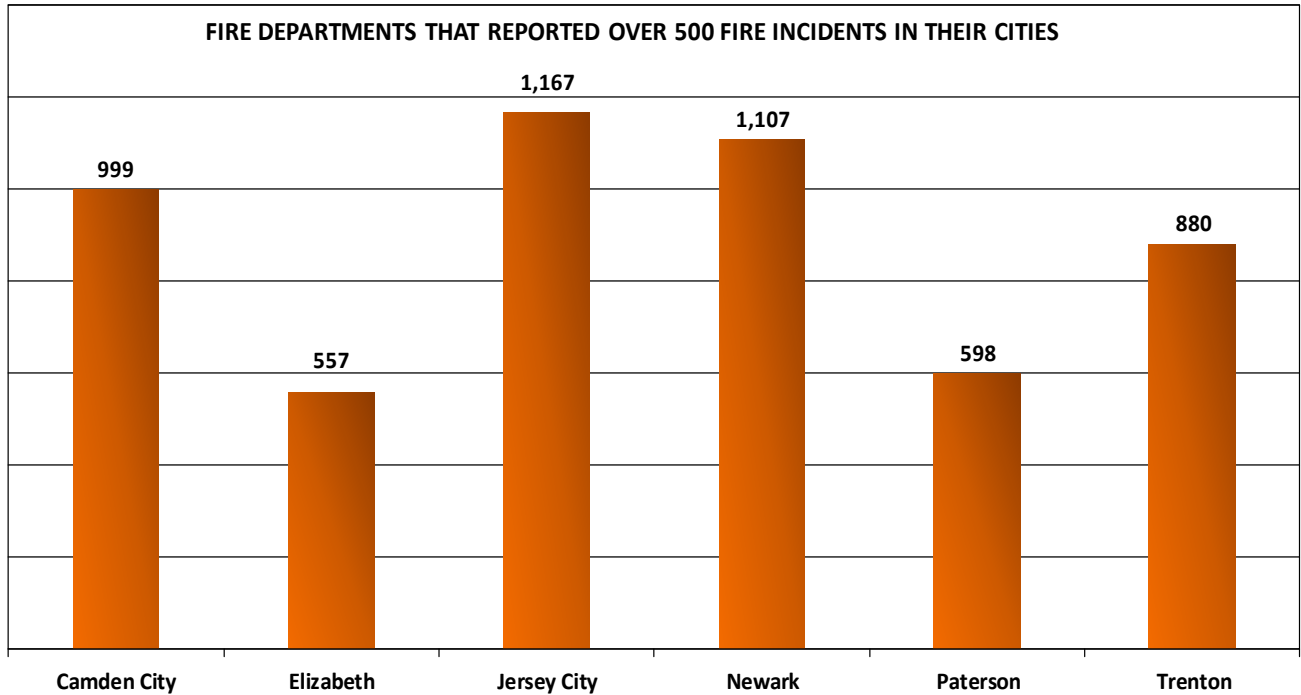
**INCIDENTS IN AUGUST SPIKED DUE TO HURRICANE IRENE**



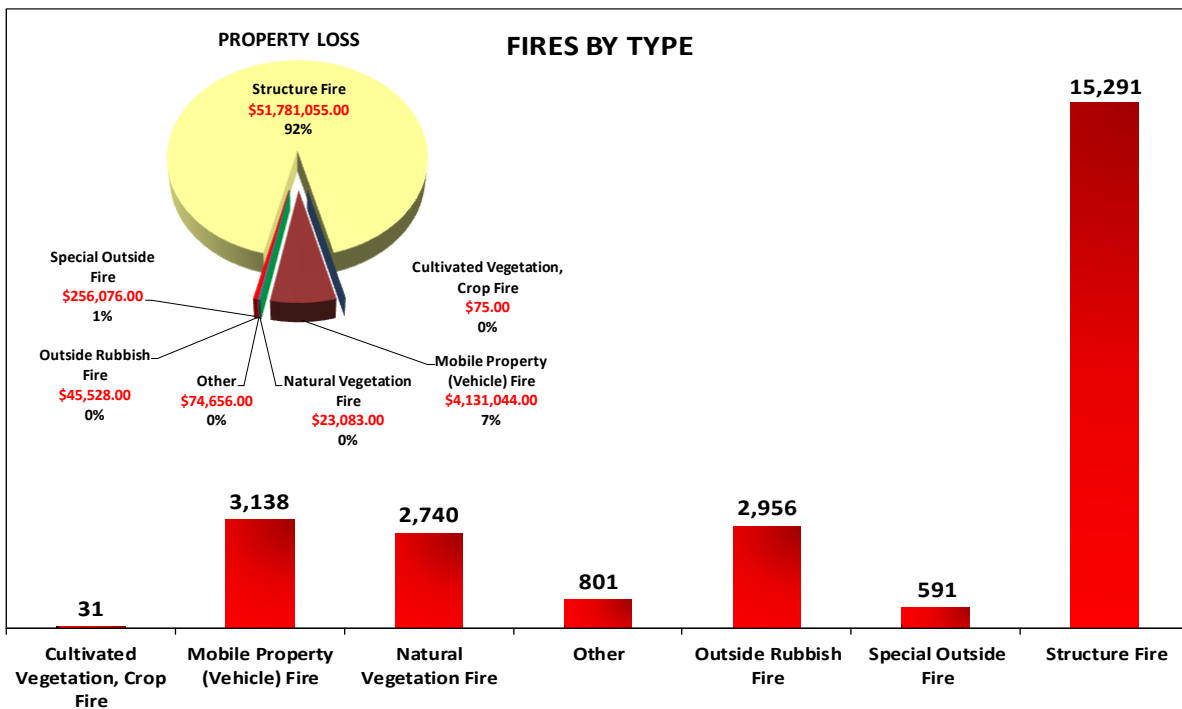
**TOTAL FIRE DEPARTMENT RESPONSES BY MONTH**  
INCLUDES ALL INCIDENT TYPES



# FIRE INCIDENTS



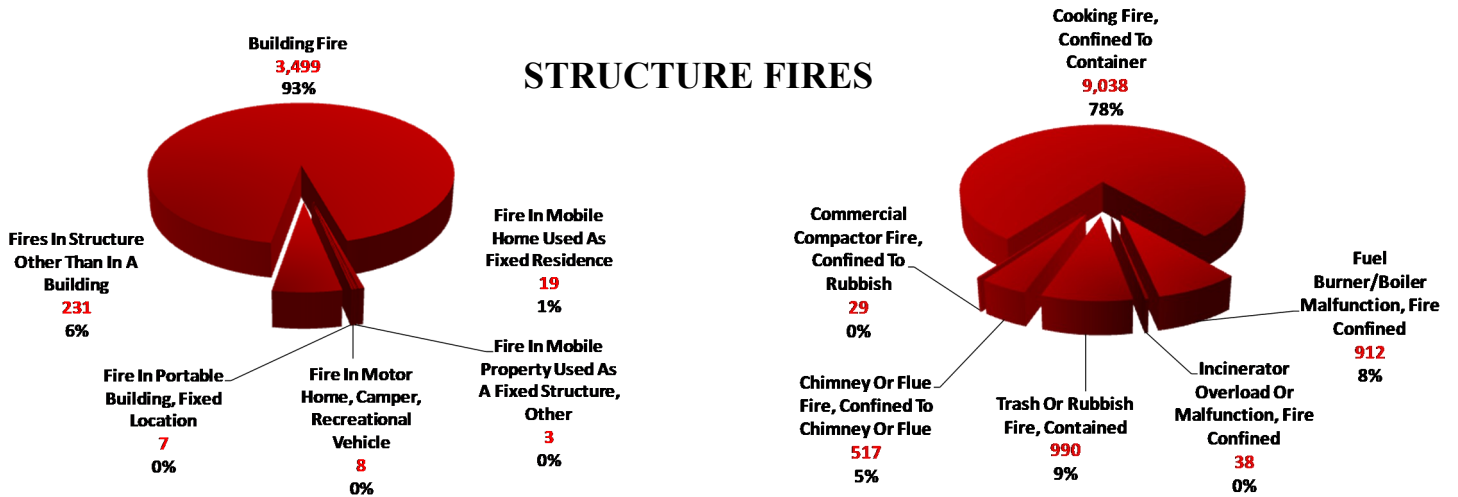
INCIDENT TYPES	2008	2009	2010	2011
	691 FIRE DEPARTMENTS SUBMITTED DATA	687 FIRE DEPARTMENTS SUBMITTED DATA	688 FIRE DEPARTMENTS SUBMITTED DATA	682 FIRE DEPARTMENTS SUBMITTED DATA
Structure Fires	17,664	17,447	16,477	15,291
Vehicle Fires	4,299	4,009	3,581	3,138
All Other Fires	11,977	8,169	10,783	7,119
<b>TOTAL FIRES</b>	<b>33,940</b>	<b>29,625</b>	<b>30,841</b>	<b>25,548</b>



# FIRE INCIDENTS

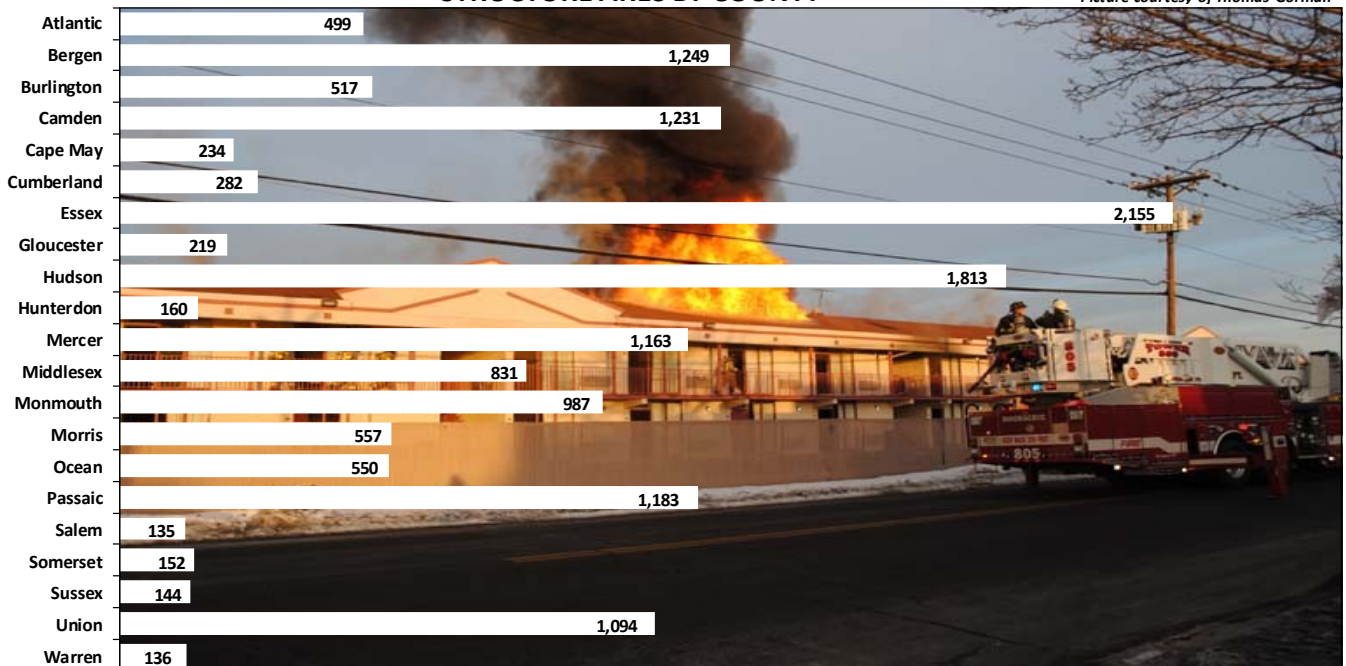
MONTH	TOTAL FIRES	FIRE SERVICE INJURIES	CIVILIAN FIRE FATALITIES	CIVILIAN FIRE INJURIES	PROPERTY LOSS	CONTENTS LOSS
January	2,051	41	8	27	\$13,269,434.00	\$2,718,774.00
February	2,088	46	6	35	\$5,489,064.00	\$2,972,398.00
March	2,360	37	3	36	\$4,687,706.00	\$1,809,036.00
April	2,125	46	9	19	\$1,897,948.00	\$1,027,144.00
May	2,240	38	8	25	\$4,417,950.00	\$1,123,975.00
June	2,395	47	0	24	\$2,372,331.00	\$770,839.00
July	2,528	59	5	32	\$4,496,921.00	\$1,172,148.00
August	1,968	35	2	20	\$1,520,963.00	\$1,414,084.00
September	1,691	42	4	9	\$2,554,966.00	\$585,299.00
October	1,985	45	6	27	\$4,708,208.00	\$1,289,971.00
November	2,139	44	1	23	\$2,507,696.00	\$968,919.00
December	1,978	36	9	22	\$8,388,330.00	\$8,392,410.00
<b>TOTALS</b>	<b>25,548</b>	<b>516</b>	<b>61</b>	<b>299</b>	<b>\$56,311,517.00</b>	<b>\$24,244,997.00</b>

## STRUCTURE FIRES



## STRUCTURE FIRES BY COUNTY

Picture courtesy of Thomas Gorman



# FIRE INCIDENTS

Totals do not include “Mutual Aid Given” or “Automatic Aid Given”.

## STRUCTURE FIRES BY PROPERTY TYPE

STRUCTURE TYPE	TOTAL FIRES	% OF TOTAL	PROPERTY LOSS	CONTENTS LOSS
Assembly	514	3%	\$638,726.00	\$267,400.00
Educational	263	2%	\$124,101.00	\$1,225.00
Health Care, Detention And Correction	417	3%	\$80,102.00	\$21,251.00
Industrial, Utility, Defense, Agriculture, Mining	40	0%	\$902,100.00	\$162,200.00
Information Not Provided By Fire Department	5	0%	\$0.00	\$0.00
Manufacturing, Processing	57	0%	\$1,539,001.00	\$1,417,501.00
Mercantile, Business	653	4%	\$1,319,230.00	\$1,800,762.00
None	16	0%	\$0.00	\$0.00
Other	19	0%	\$0.00	\$0.00
Outside Or Special Property	419	3%	\$213,573.00	\$40,551.00
<b>Residential</b>	<b>12,563</b>	<b>82%</b>	<b>\$46,665,219.00</b>	<b>\$19,704,249.00</b>
Storage	245	2%	\$298,753.00	\$465,101.00
Undetermined	80	1%	\$250.00	\$250.00
<b>TOTAL</b>	<b>15,291</b>	<b>100%</b>	<b>\$51,781,055.00</b>	<b>\$23,880,490.00</b>

## RESIDENTIAL STRUCTURE FIRES

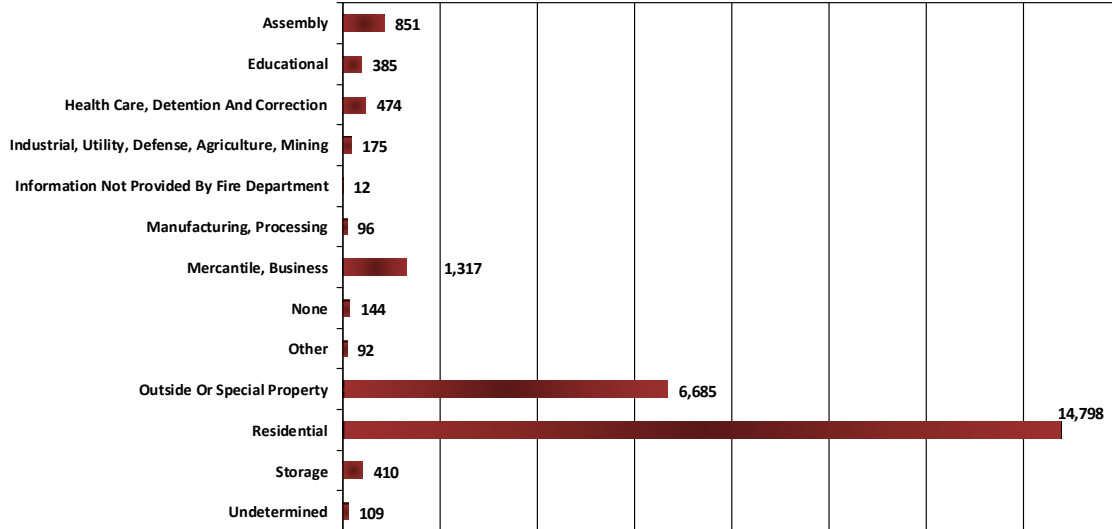
INCIDENT TYPE	TOTAL FIRES	PROPERTY LOSS	CONTENTS LOSS
Building Fire	2,882	\$46,505,087.00	\$19,559,532.00
Chimney Or Flue Fire, Confined To Chimney Or Flue	480	\$29,405.00	\$16,505.00
Commercial Compactor Fire, Confined To Rubbish	16	\$5,000.00	\$0.00
Cooking Fire, Confined To Container	7,786	\$45,577.00	\$59,721.00
Fire In Mobile Home Used As Fixed Residence	19	\$25,800.00	\$10,800.00
Fire In Motor Home, Camper, Recreational Vehicle	1	\$6,500.00	\$0.00
Fire In Portable Building, Fixed Location	1	\$2,000.00	\$0.00
Fires In Structure Other Than In A Building	137	\$9,100.00	\$8,500.00
Fuel Burner/Boiler Malfunction, Fire Confined	791	\$26,213.00	\$35,501.00
Incinerator Overload Or Malfunction, Fire Confined	30	\$0.00	\$10,000.00
Trash Or Rubbish Fire, Contained	420	\$10,537.00	\$3,690.00
<b>TOTAL</b>	<b>12,563</b>	<b>\$46,665,219.00</b>	<b>\$19,704,249.00</b>

PROPERTY USE CATEGORY	CULTIVATED VEGETATION, CROP FIRE	MOBILE PROPERTY (VEHICLE) FIRE	NATURAL VEGETATION FIRE	OTHER	OUTSIDE RUBBISH FIRE	SPECIAL OUTSIDE FIRE	STRUCTURE FIRE	TOTAL
	Assembly	1	37	110	36	124	29	514
Educational		15	38	16	45	8	263	385
Health Care, Detention And Correction		6	17	18	13	3	417	474
Industrial, Utility, Defense, Agriculture, Mining	3	17	65	8	23	19	40	175
Information Not Provided By Fire Department		2	2	3			5	12
Manufacturing, Processing		7	4	11	14	3	57	96
Mercantile, Business		172	224	53	196	19	653	1,317
None	1	62	18	18	28	1	16	144
Other		22	11	24	10	6	19	92
Outside Or Special Property	19	2,573	1,784	106	1,533	251	419	6,685
Residential	4	167	443	492	911	218	12,563	14,798
Storage	1	53	19	13	48	31	245	410
Undetermined	2	5	5	3	11	3	80	109
<b>TOTAL</b>	<b>31</b>	<b>3,138</b>	<b>2,740</b>	<b>801</b>	<b>2,956</b>	<b>591</b>	<b>15,291</b>	<b>25,548</b>

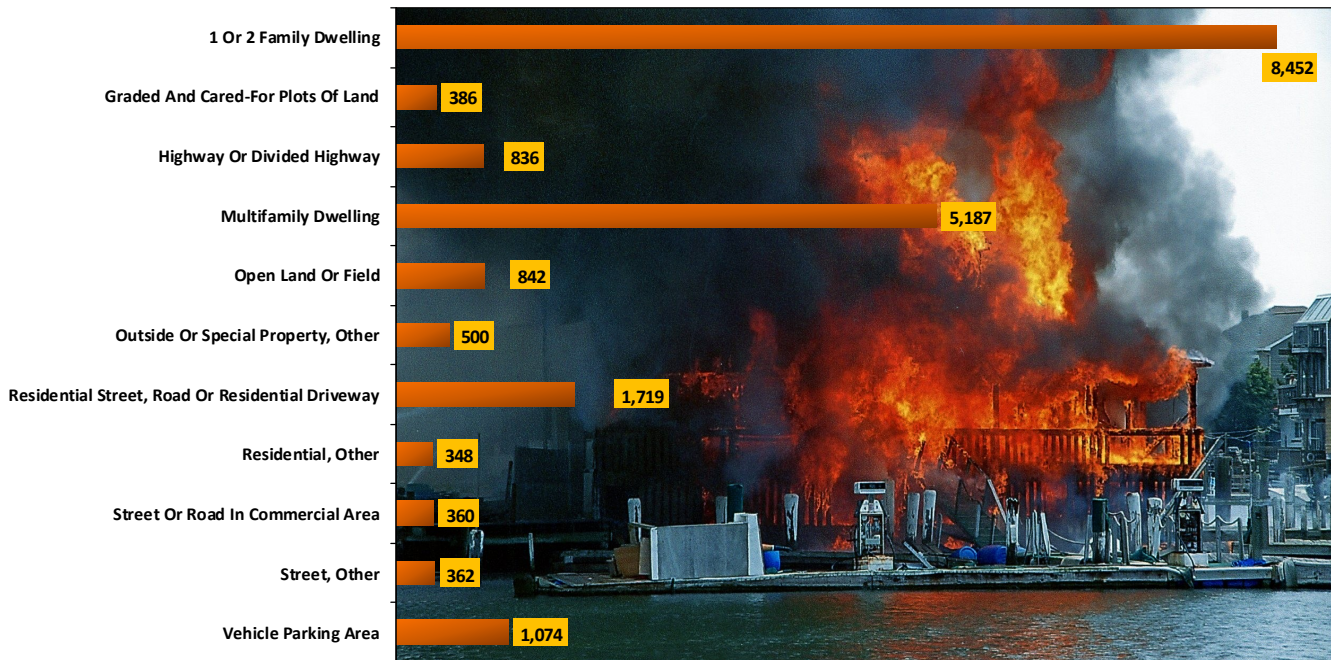


# FIRE INCIDENTS

## PROPERTY USES INVOLVED IN FIRE INCIDENTS - BY PROPERTY USE CATEGORY

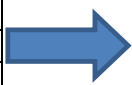


## MOST FREQUENT PROPERTY USES INVOLVING FIRE INCIDENTS - BY SPECIFIC PROPERTY USE



Picture courtesy of H.J. "Whitey" Swartz

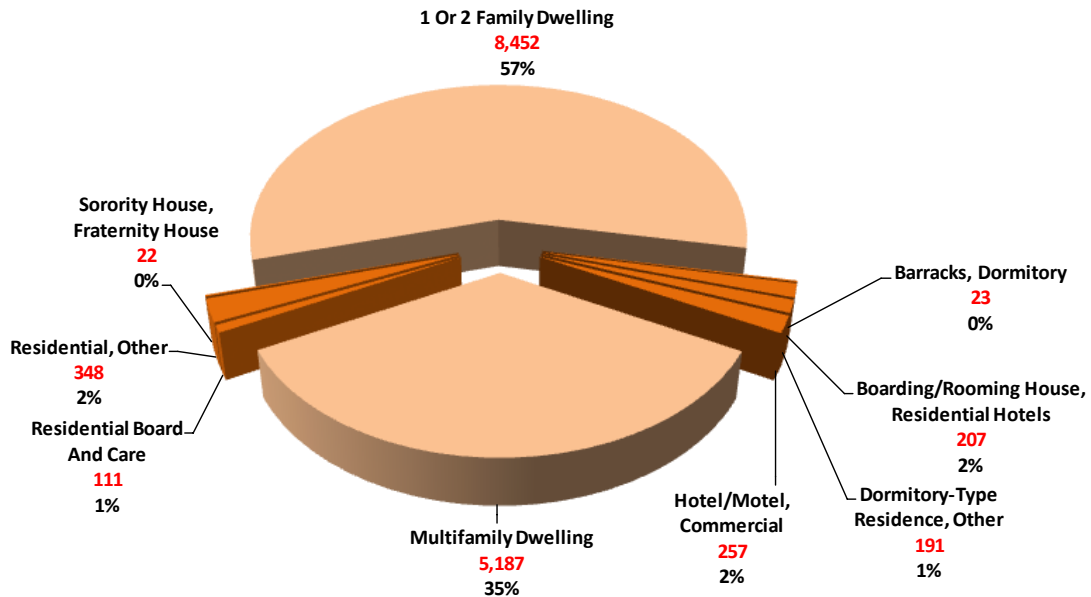
STRUCTURE TYPE OF STRUCTURE FIRES	TOTAL
Air-Supported Structure	3
Connective Structure	40
<b>Enclosed Building</b>	<b>3,227</b>
Information Not Provided By Fire Department	51
Open Platform	21
Open Structure	84
Other	395
Portable Or Mobile Structure	47
Structure Type Not A Required Entry	11,412
Tent	2
Underground Structure Work Areas	9
<b>TOTAL</b>	<b>15,291</b>



STATUS OF ENCLOSED BUILDING FIRES	TOTAL
Being Demolished	8
Idle, Not Routinely Used	23
Illegal Residential Conversion	11
Information Not Provided By Fire Department	1
Occupied And Operating	2,745
Other	18
Overcrowding	5
Under Construction	37
Under Major Renovation	31
Undetermined	71
Vacant And Secured	143
Vacant And Unsecured	134
<b>TOTAL</b>	<b>3,227</b>

# FIRE INCIDENTS

## RESIDENTIAL PROPERTY USE FIRES



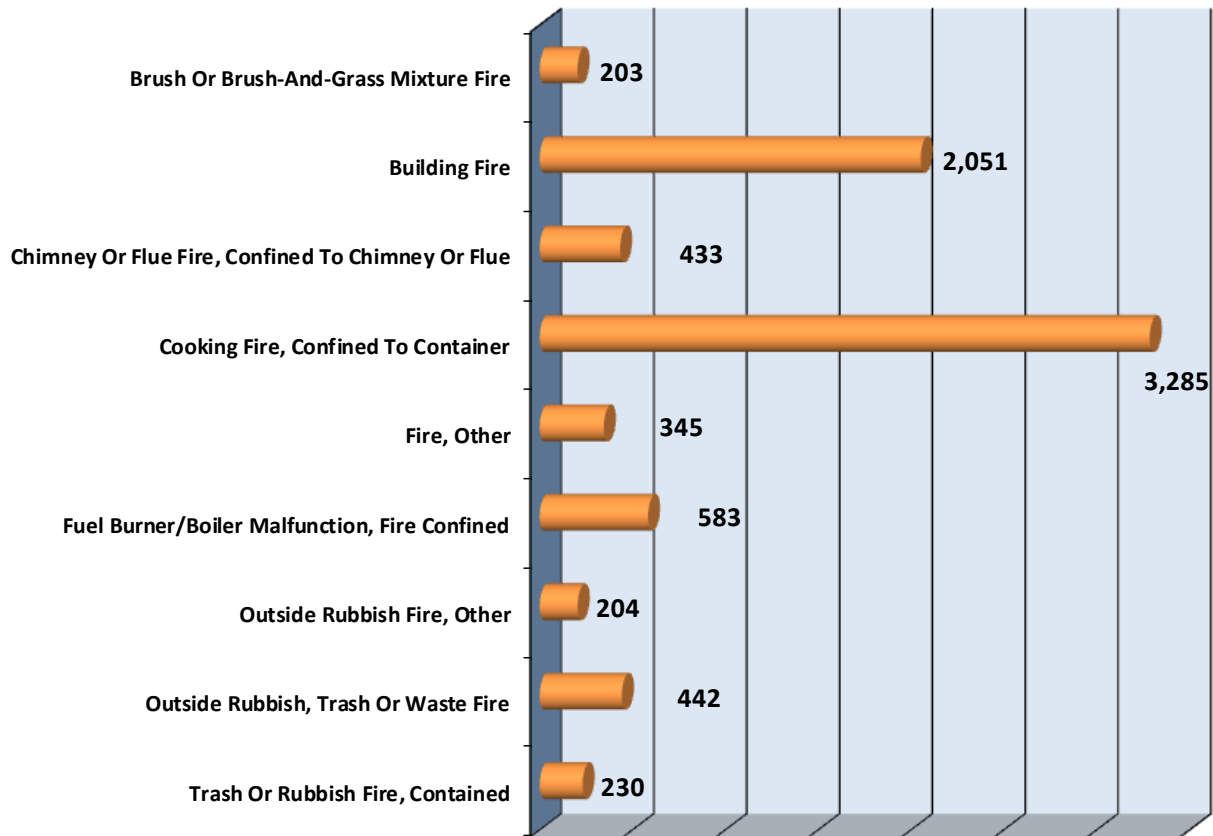
## MOST FREQUENT FIRE INCIDENT TYPES INVOLVING RESIDENTIAL PROPERTY USES

Picture courtesy of Bill Tompkins

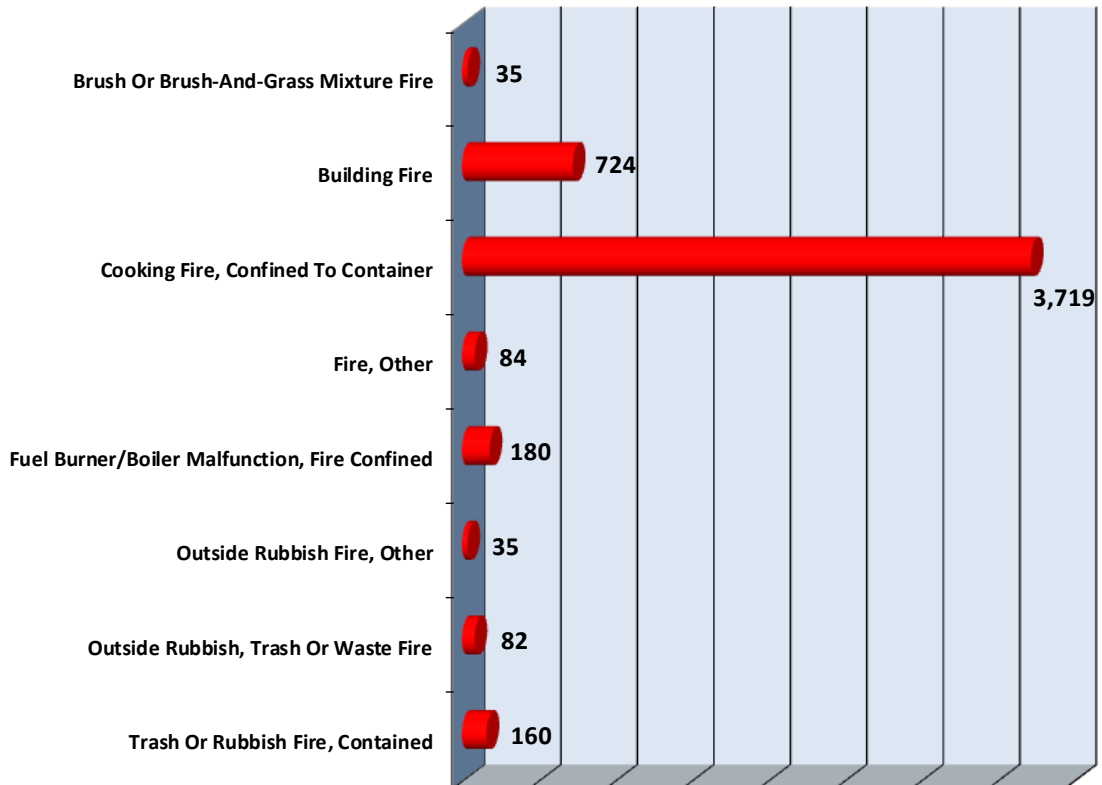


# FIRE INCIDENTS

**MOST FREQUENT FIRE INCIDENT TYPES  
INVOLVING 1 OR 2 FAMILY DWELLINGS**

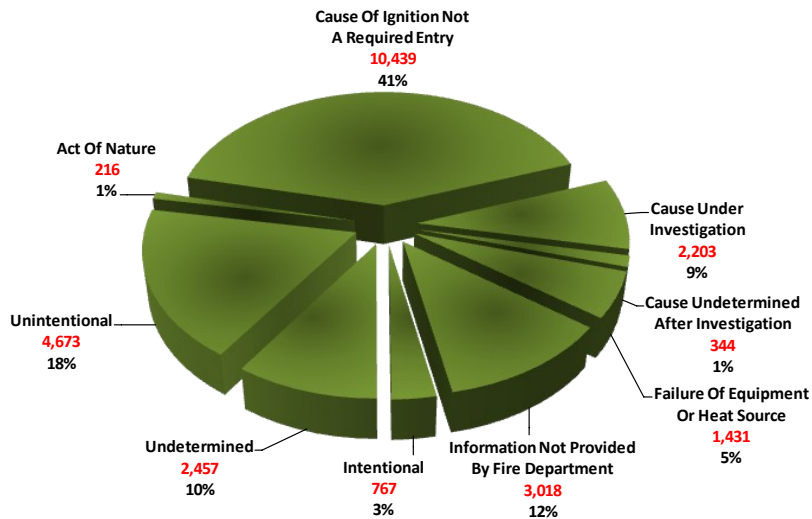


**MOST FREQUENT FIRE INCIDENT TYPES  
INVOLVING MULTIFAMILY DWELLINGS**



# FIRE INCIDENTS - CAUSE OF IGNITION

## CAUSE OF IGNITION



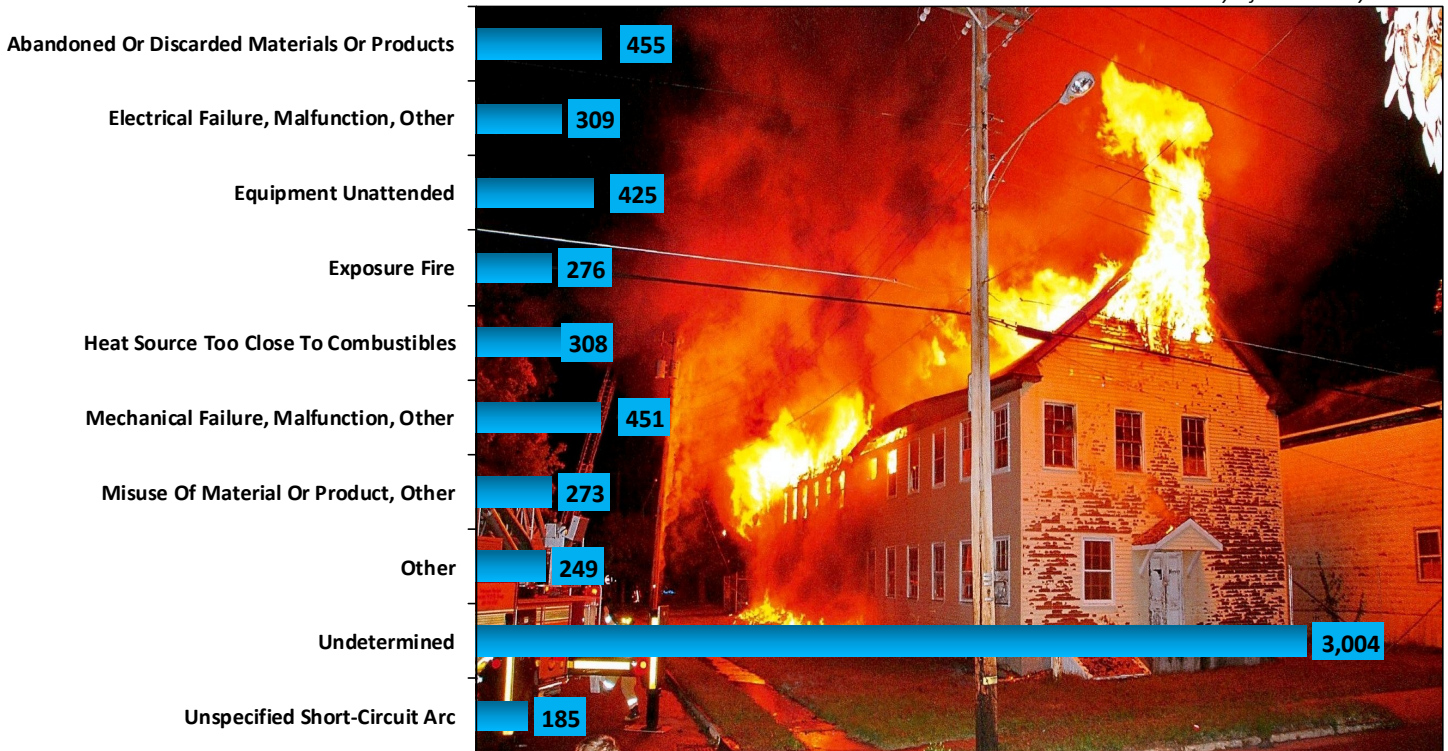
PROPERTY USE CATEGORY	ACT OF NATURE	CAUSE OF IGNITION NOT A REQUIRED ENTRY	CAUSE UNDER INVESTIGATION	CAUSE UNDETERMINED AFTER INVESTIGATION	FAILURE OF EQUIPMENT OR HEAT SOURCE	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	INTENTIONAL	UNDETERMINED	UNINTENTIONAL	TOTAL
	Assembly	5	365	61	2	33	125	22	87	151
Educational	1	200	25	1	15	45	18	33	47	385
Health Care, Detention And Correction	1	360	9	1	20	16	5	17	45	474
Industrial, Utility, Defense, Agriculture, Mining	7	14	17		25	27	12	31	42	175
Information Not Provided By Fire Department		1				11				12
Manufacturing, Processing	2	16	20	2	16	15	2	9	14	96
Mercantile, Business	16	378	120	32	102	193	26	158	292	1,317
None	4	10	10	1	12	42	2	28	35	144
Other	1	12	5	6	2	32	2	19	13	92
Outside Or Special Property	103	296	799	70	662	1,442	372	1,411	1,530	6,685
Residential	69	8,678	1,045	212	520	1,018	282	598	2,376	14,798
Storage	6	52	82	17	20	42	18	60	113	410
Undetermined	1	57	10		4	10	6	6	15	109
<b>TOTAL</b>	<b>216</b>	<b>10,439</b>	<b>2,203</b>	<b>344</b>	<b>1,431</b>	<b>3,018</b>	<b>767</b>	<b>2,457</b>	<b>4,673</b>	<b>25,548</b>

STRUCTURE FIRES - CAUSE OF IGNITION			
CAUSE OF IGNITION	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Act Of Nature	53	\$1,472,001.00	\$556,000.00
Cause Of Ignition Not A Required Entry	10,439	\$77,900.00	\$108,166.00
Cause Under Investigation	1,117	\$22,473,859.00	\$5,850,587.00
Cause Undetermined After Investigation	219	\$2,467,301.00	\$794,376.00
Failure Of Equipment Or Heat Source	522	\$3,451,961.00	\$784,185.00
Information Not Provided By Fire Department	50	\$452,300.00	\$63,925.00
Intentional	174	\$566,253.00	\$671,025.00
Undetermined	487	\$4,045,281.00	\$2,175,875.00
Unintentional	2,230	\$16,774,199.00	\$12,876,351.00
<b>TOTAL</b>	<b>15,291</b>	<b>\$51,781,055.00</b>	<b>\$23,880,490.00</b>

# FIRE INCIDENTS - FACTORS CONTRIBUTING TO IGNITION

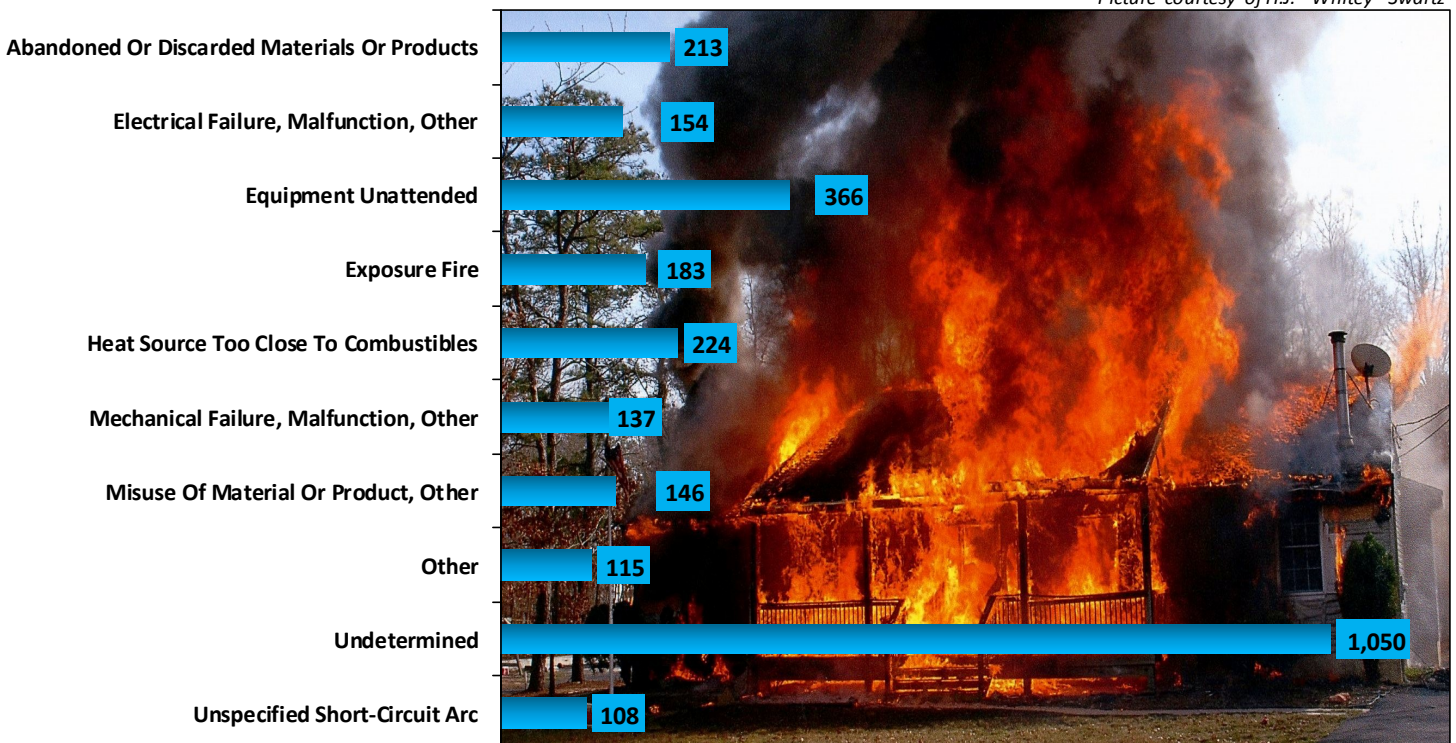
## MOST FREQUENT FACTORS CONTRIBUTING TO IGNITION ALL PROPERTY USES

Picture courtesy of H.J. "Whitey" Swartz



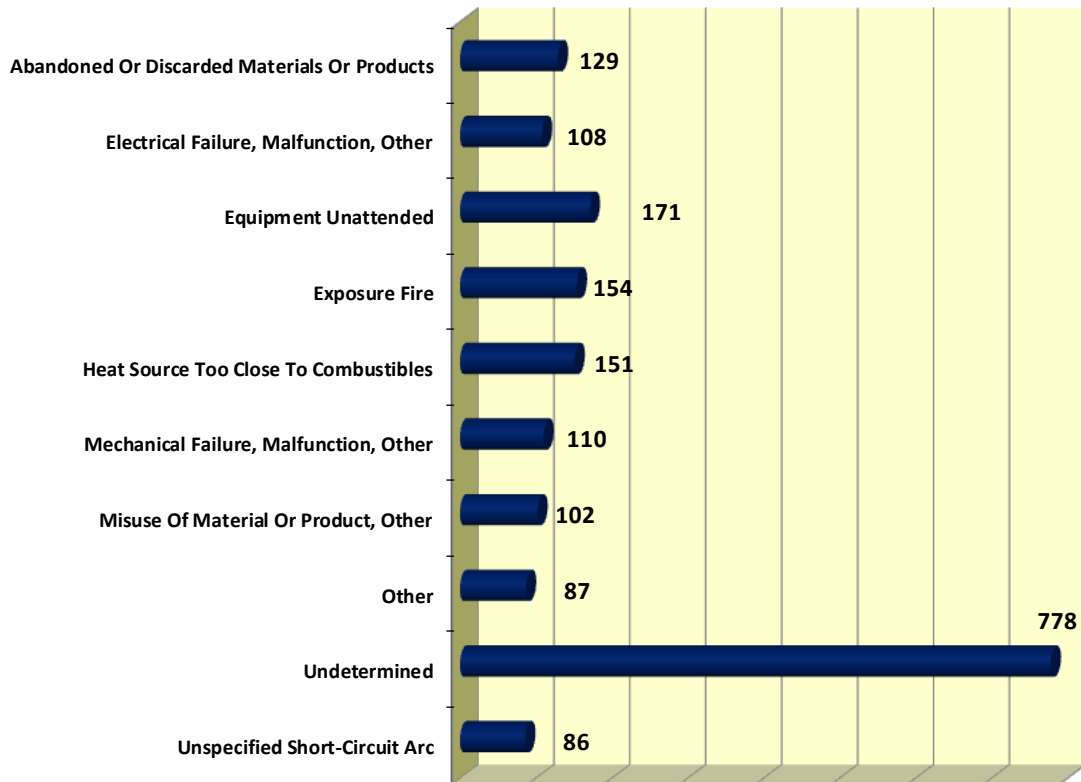
## MOST FREQUENT FACTORS CONTRIBUTING TO IGNITION RESIDENTIAL PROPERTY USES

Picture courtesy of H.J. "Whitey" Swartz

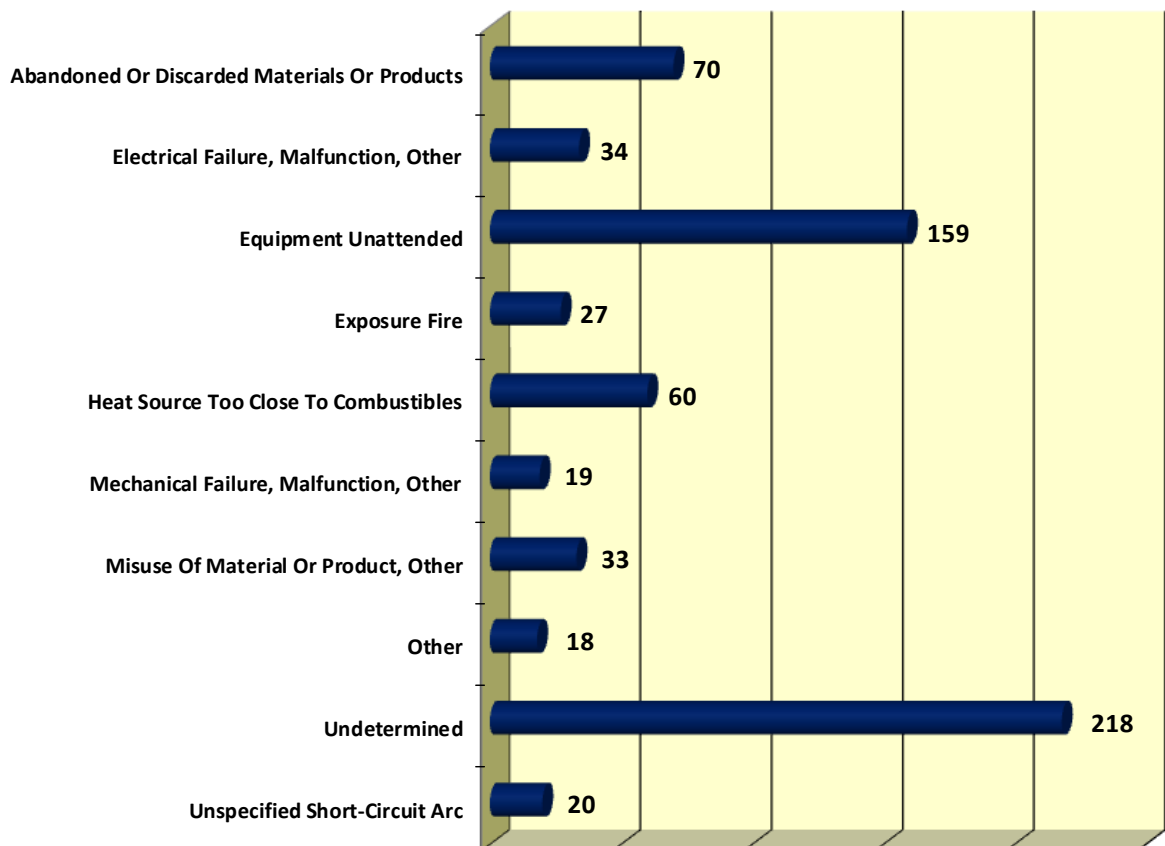


# FIRE INCIDENTS - FACTORS CONTRIBUTING TO IGNITION

**MOST FREQUENT FACTORS CONTRIBUTING TO IGNITION - 1 OR 2 FAMILY DWELLINGS**

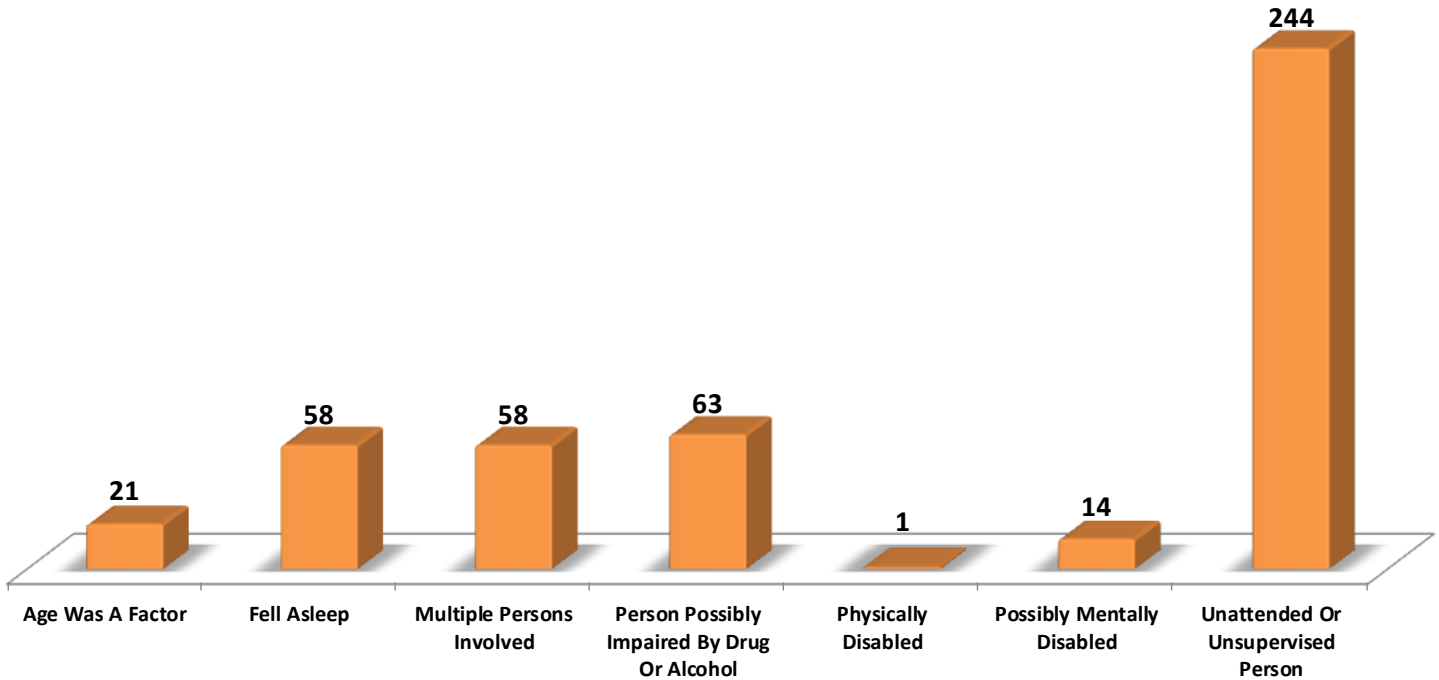


**MOST FREQUENT FACTORS CONTRIBUTING TO IGNITION - MULTIFAMILY DWELLINGS**

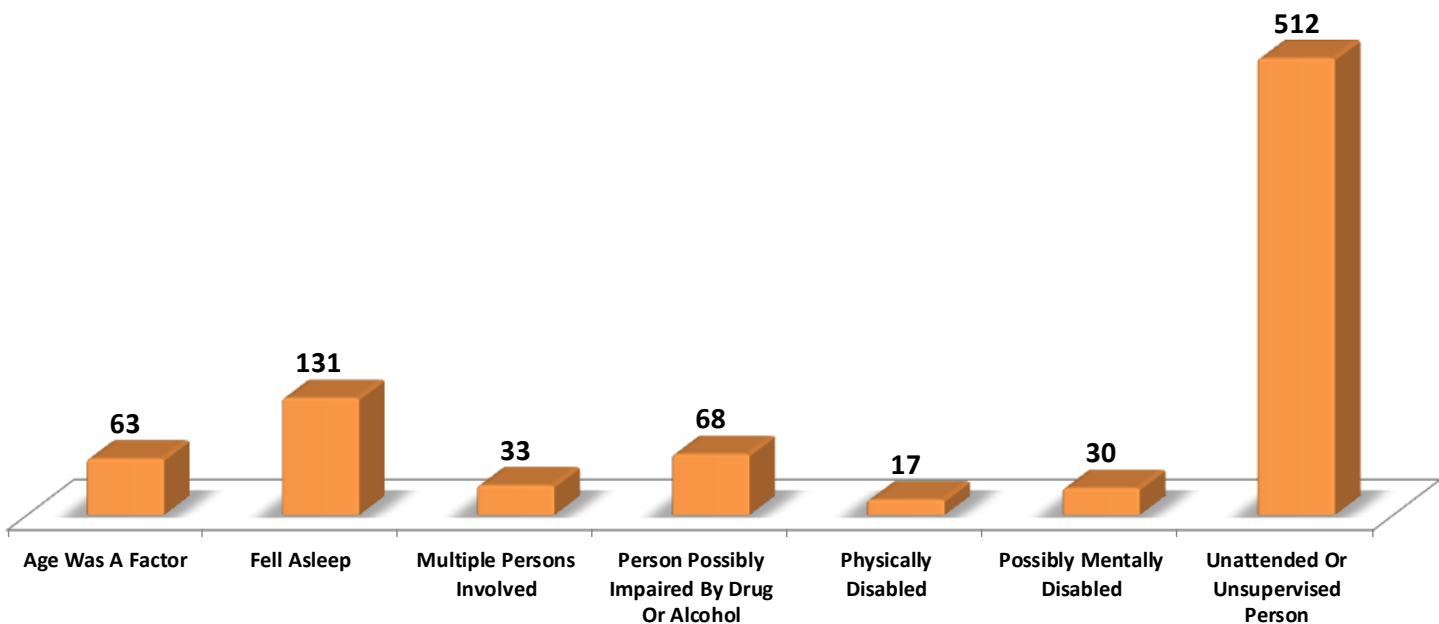


# FIRE INCIDENTS - FACTORS CONTRIBUTING TO IGNITION

## HUMAN FACTORS CONTRIBUTING TO IGNITION NON-RESIDENTIAL PROPERTY USES

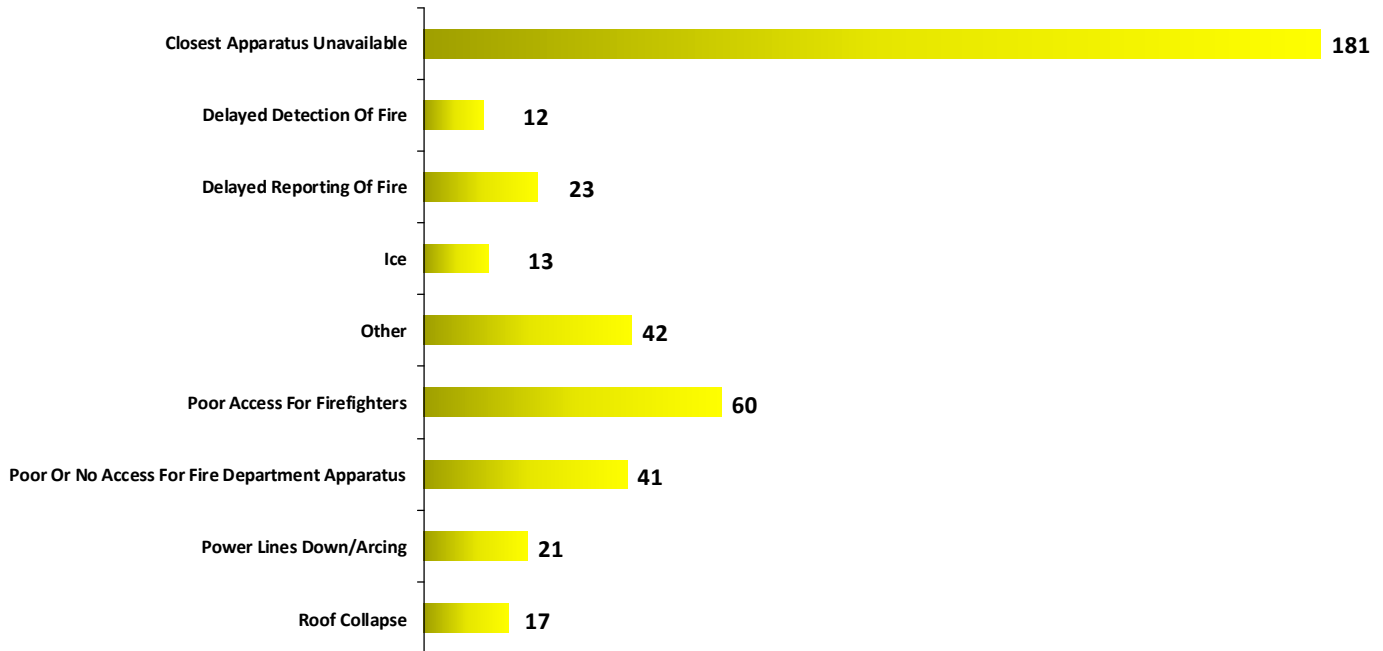


## HUMAN FACTORS CONTRIBUTING TO IGNITION RESIDENTIAL PROPERTY USES

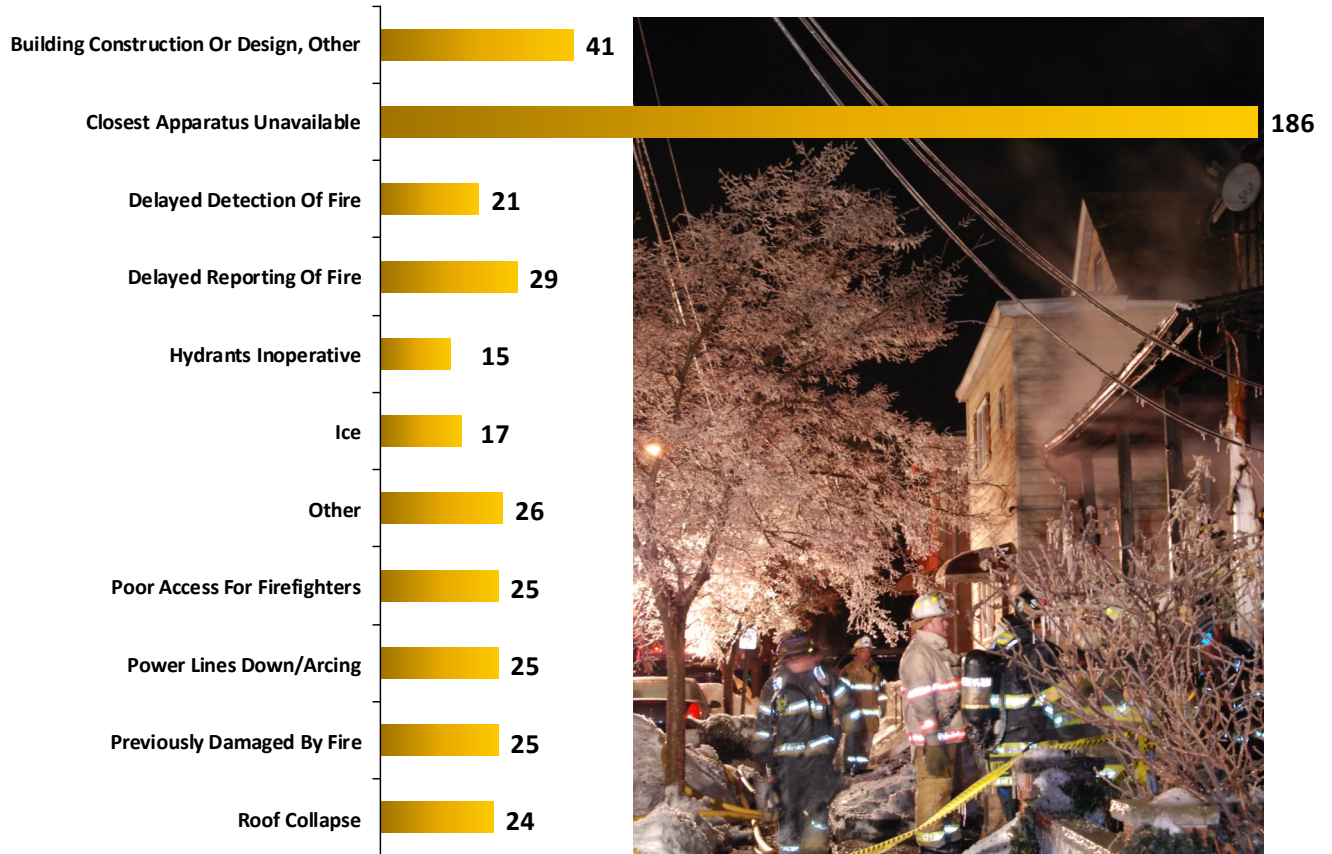


# FIRE INCIDENTS - FIRE SUPPRESSION FACTORS

## MOST FREQUENT FIRE SUPPRESSION FACTORS NON-RESIDENTIAL PROPERTY USES



## MOST FREQUENT FIRE SUPPRESSION FACTORS RESIDENTIAL PROPERTY USES

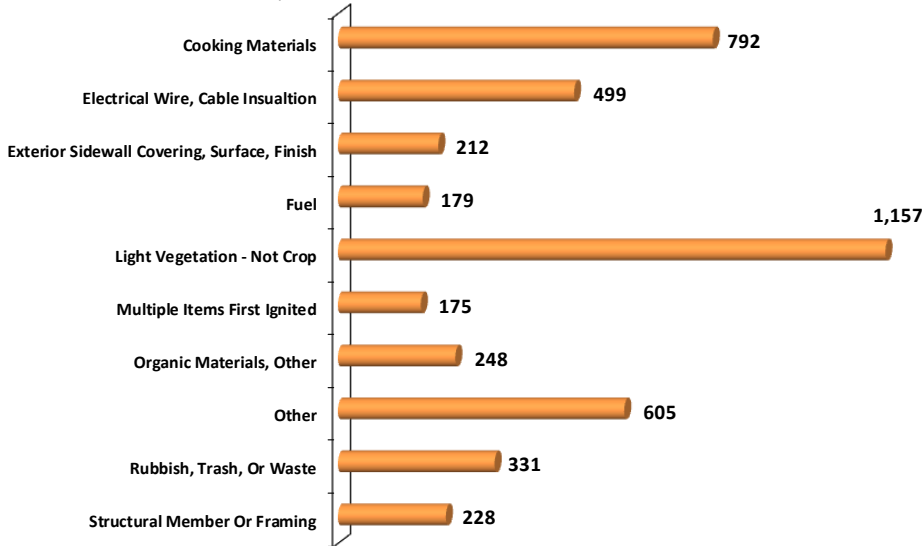


Picture courtesy of Bill Tompkins

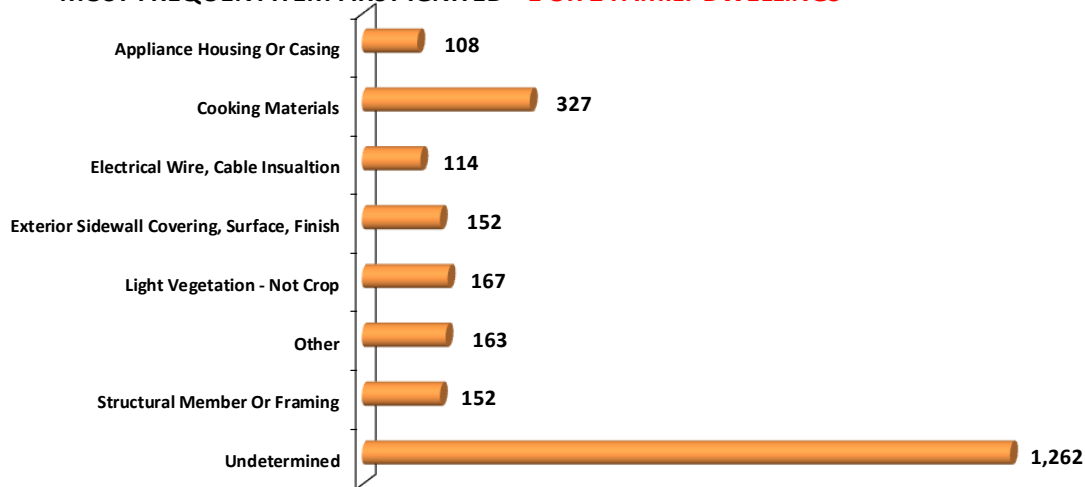


# FIRE INCIDENTS - ITEM FIRST IGNITED

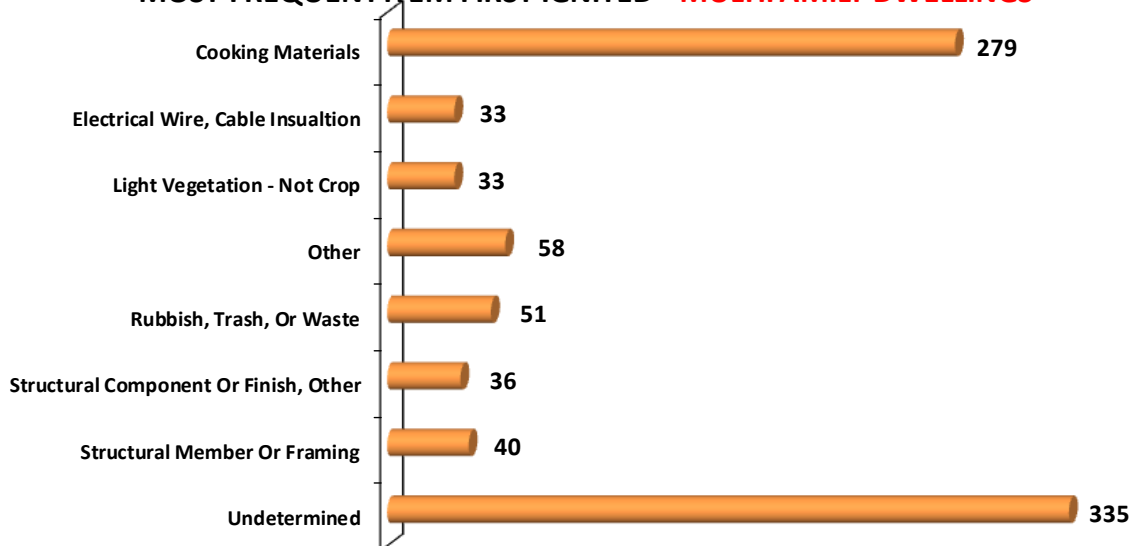
## MOST FREQUENT ITEM FIRST IGNITED - ALL PROPERTY USES



## MOST FREQUENT ITEM FIRST IGNITED - 1 OR 2 FAMILY DWELLINGS



## MOST FREQUENT ITEM FIRST IGNITED - MULTIFAMILY DWELLINGS



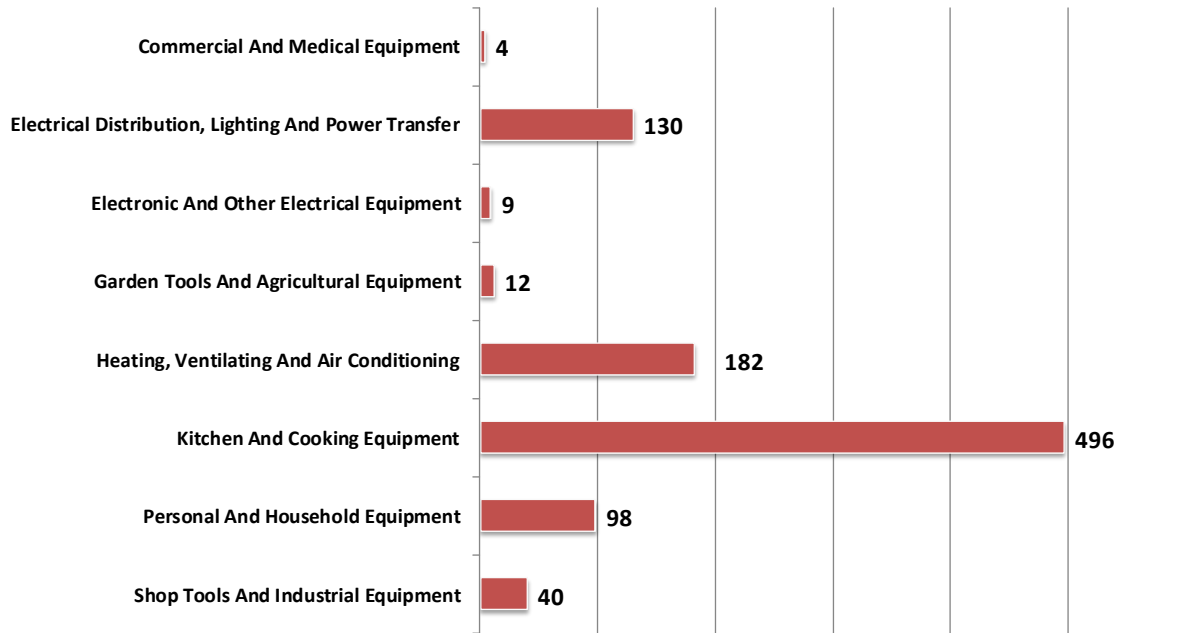
# FIRE INCIDENTS - EQUIPMENT INVOLVED

Structure Fires = 15,291  
 Equipment Involved In Ignition = 794  
 Equipment Brand Identified = 252

Of the 15,291 reported structure fire incidents, only 794 (5%) of those incidents were identified as having equipment involved in ignition. Of those 794 incidents, only 252 (32%) were identified by the product brand name. Of the 15,291 structure fire incidents, fire departments did not provide information for 2,520 (16%) incidents as to whether or not there was any equipment involved in ignition.

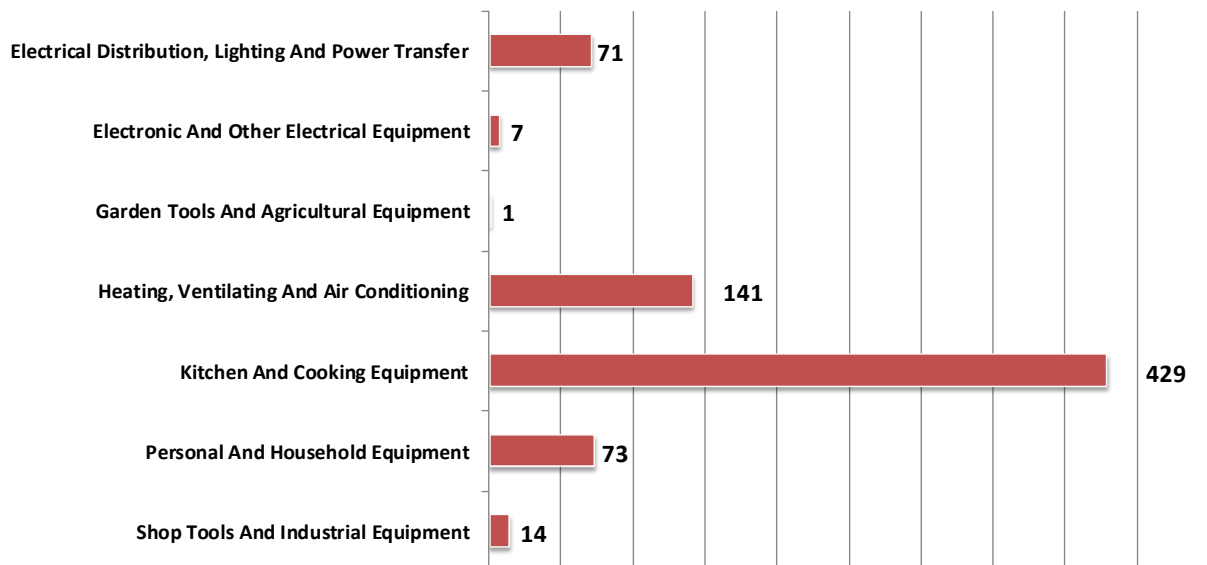
## EQUIPMENT INVOLVED IN IGNITION BY CATEGORY

### ALL PROPERTY USES



## EQUIPMENT INVOLVED IN IGNITION BY CATEGORY

### RESIDENTIAL PROPERTY USES

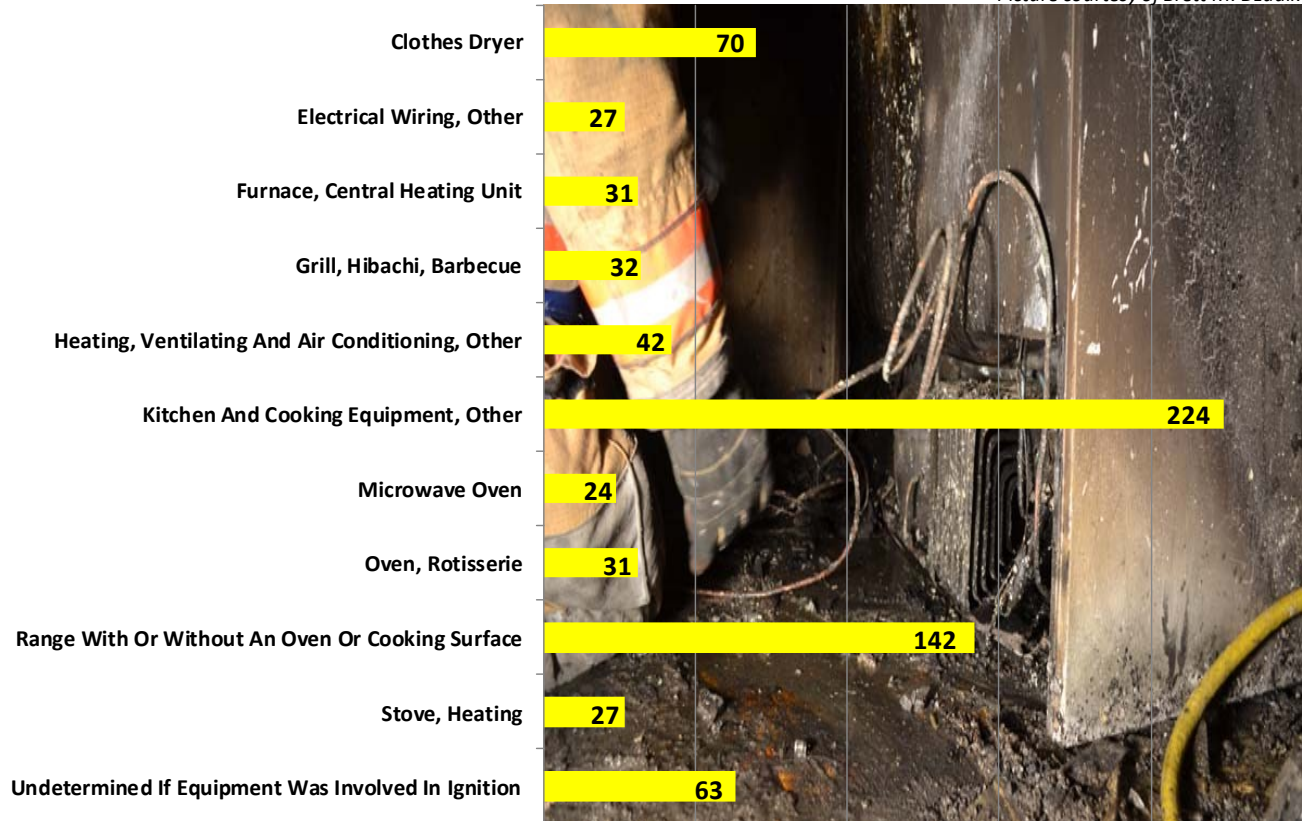


# FIRE INCIDENTS - EQUIPMENT INVOLVED

## MOST FREQUENT EQUIPMENT INVOLVED IN IGNITION

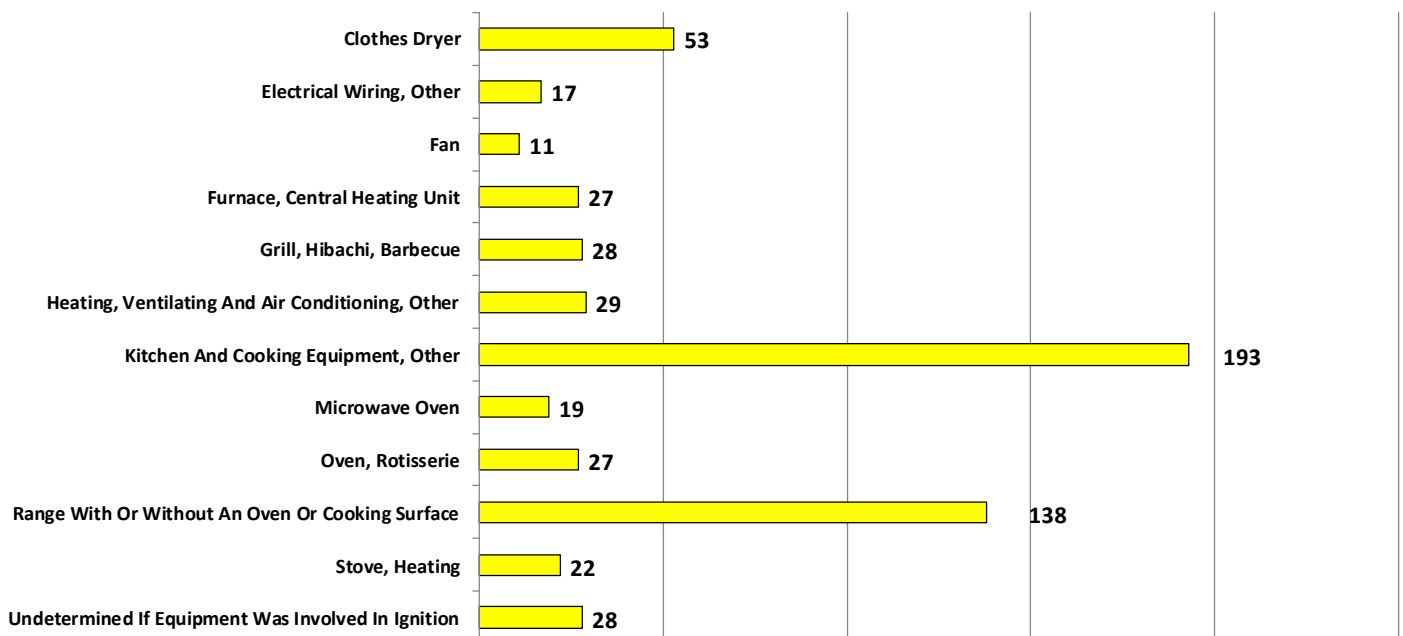
### ALL PROPERTY USES

Picture courtesy of Brett M. Dzadik



## MOST FREQUENT EQUIPMENT INVOLVED IN IGNITION

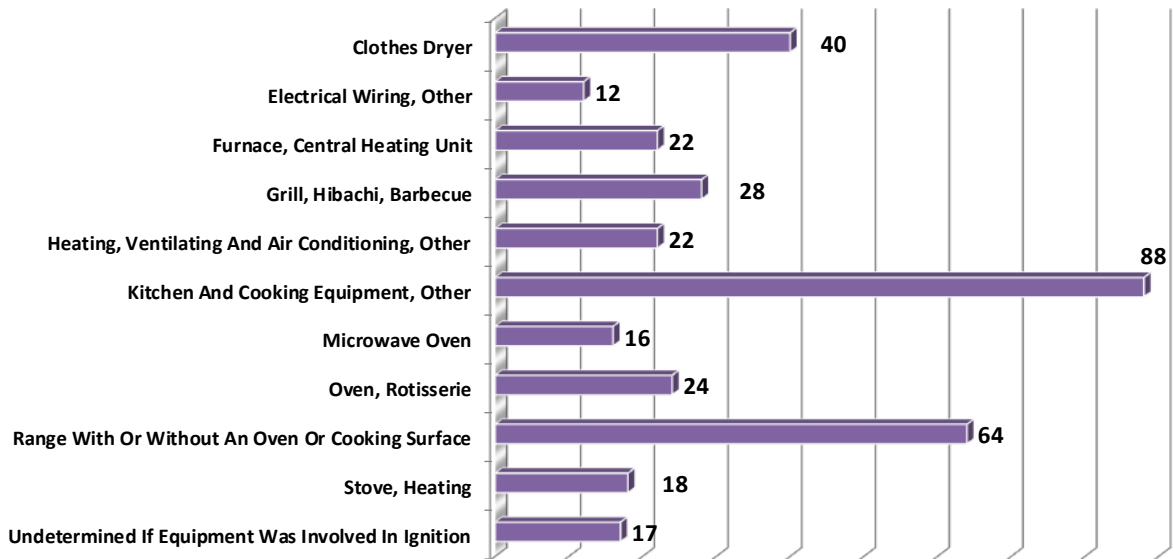
### RESIDENTIAL PROPERTY USES



# FIRE INCIDENTS - EQUIPMENT INVOLVED

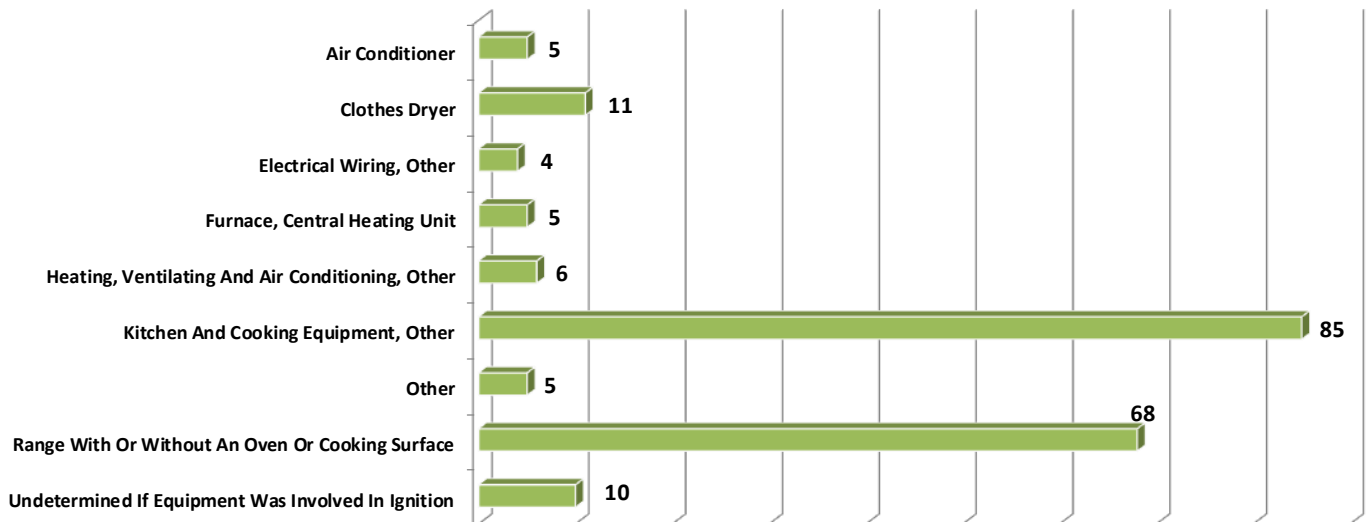
## MOST FREQUENT EQUIPMENT INVOLVED IN IGNITION

### 1 OR 2 FAMILY DWELLINGS



## MOST FREQUENT EQUIPMENT INVOLVED IN IGNITION

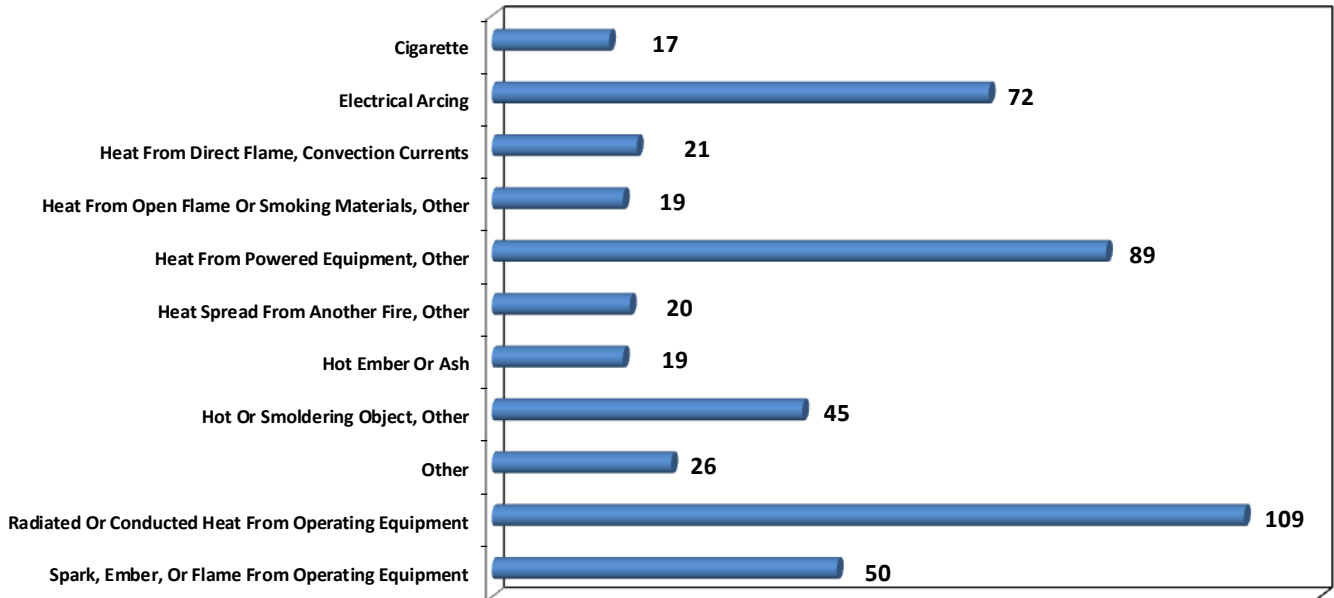
### MULTIFAMILY DWELLINGS



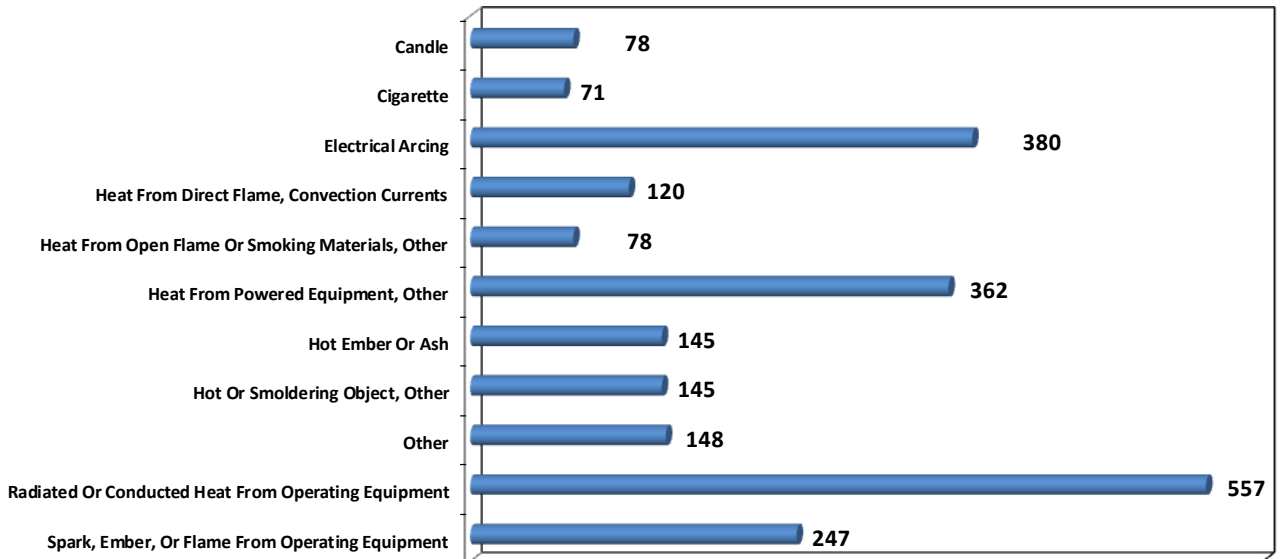
# FIRE INCIDENTS - HEAT SOURCE

MOST FREQUENT HEAT SOURCES OF FIRE	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS	TOTAL DOLLAR LOSS
Radiated Or Conducted Heat From Operating Equipment	958	\$998,290.00	\$256,522.00	\$1,254,812.00
Electrical Arcing	888	\$4,320,509.00	\$1,592,880.00	\$5,913,389.00
Heat From Powered Equipment, Other	843	\$3,538,288.00	\$2,274,234.00	\$5,812,522.00
Spark, Ember, Or Flame From Operating Equipment	475	\$2,074,153.00	\$805,370.00	\$2,879,523.00
Hot Or Smoldering Object, Other	465	\$1,134,185.00	\$273,520.00	\$1,407,705.00
Other	458	\$437,614.00	\$179,203.00	\$616,817.00
Hot Ember Or Ash	377	\$1,639,802.00	\$490,701.00	\$2,130,503.00
Cigarette	246	\$424,080.00	\$151,900.00	\$575,980.00
Heat From Open Flame Or Smoking Materials, Other	193	\$549,755.00	\$167,277.00	\$717,032.00
Heat From Direct Flame, Convection Currents	179	\$6,159,088.00	\$7,195,500.00	\$13,354,588.00
Match	173	\$58,756.00	\$13,200.00	\$71,956.00
Heat, Spark From Friction	124	\$209,000.00	\$75,500.00	\$284,500.00
<b>TOTAL</b>	<b>5,379</b>	<b>\$21,543,520.00</b>	<b>\$13,475,807.00</b>	<b>\$35,019,327.00</b>

## MOST FREQUENT HEAT SOURCES OF **NON-RESIDENTIAL** STRUCTURE FIRES

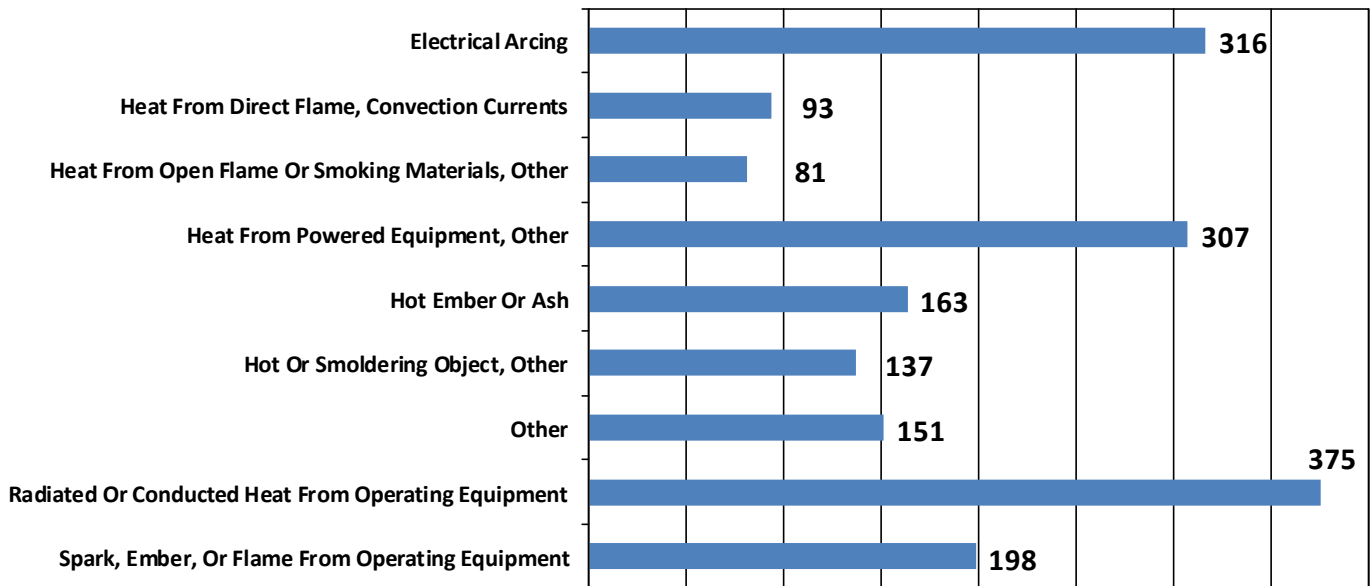


## MOST FREQUENT HEAT SOURCES OF **RESIDENTIAL** STRUCTURE FIRES

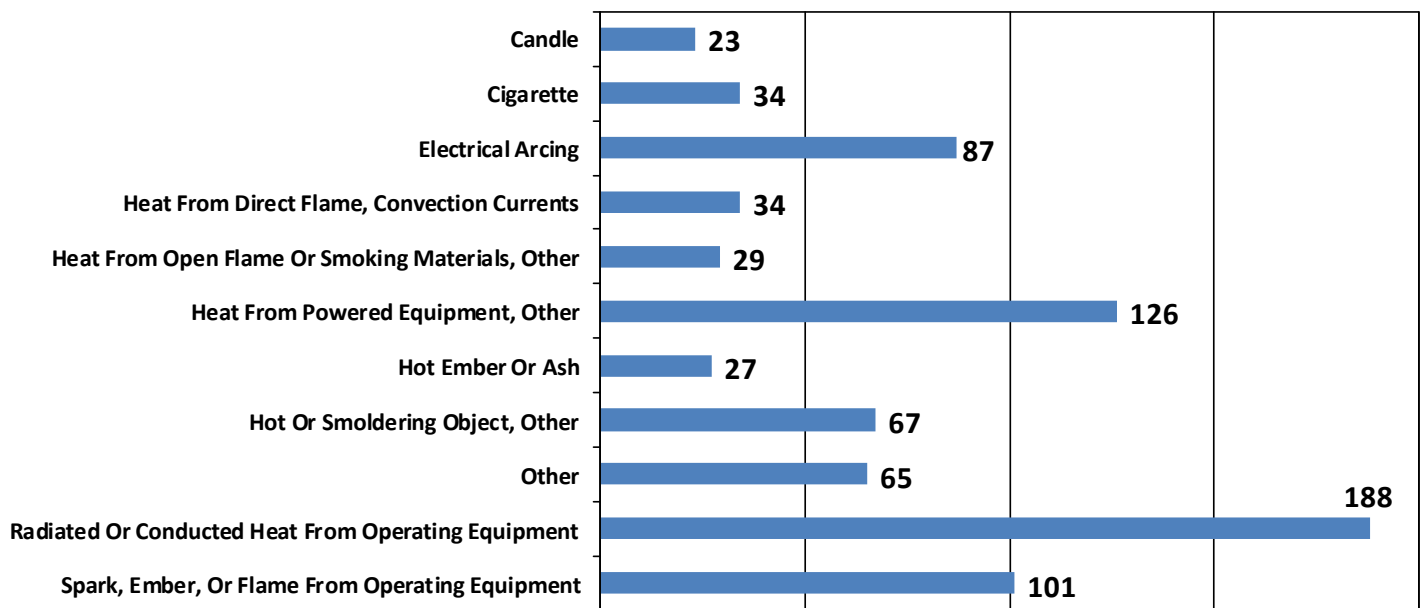


# FIRE INCIDENTS - HEAT SOURCE

## MOST FREQUENT HEAT SOURCES OF FIRES 1 OR 2 FAMILY DWELLINGS



## MOST FREQUENT HEAT SOURCES OF FIRES MULTIFAMILY DWELLINGS



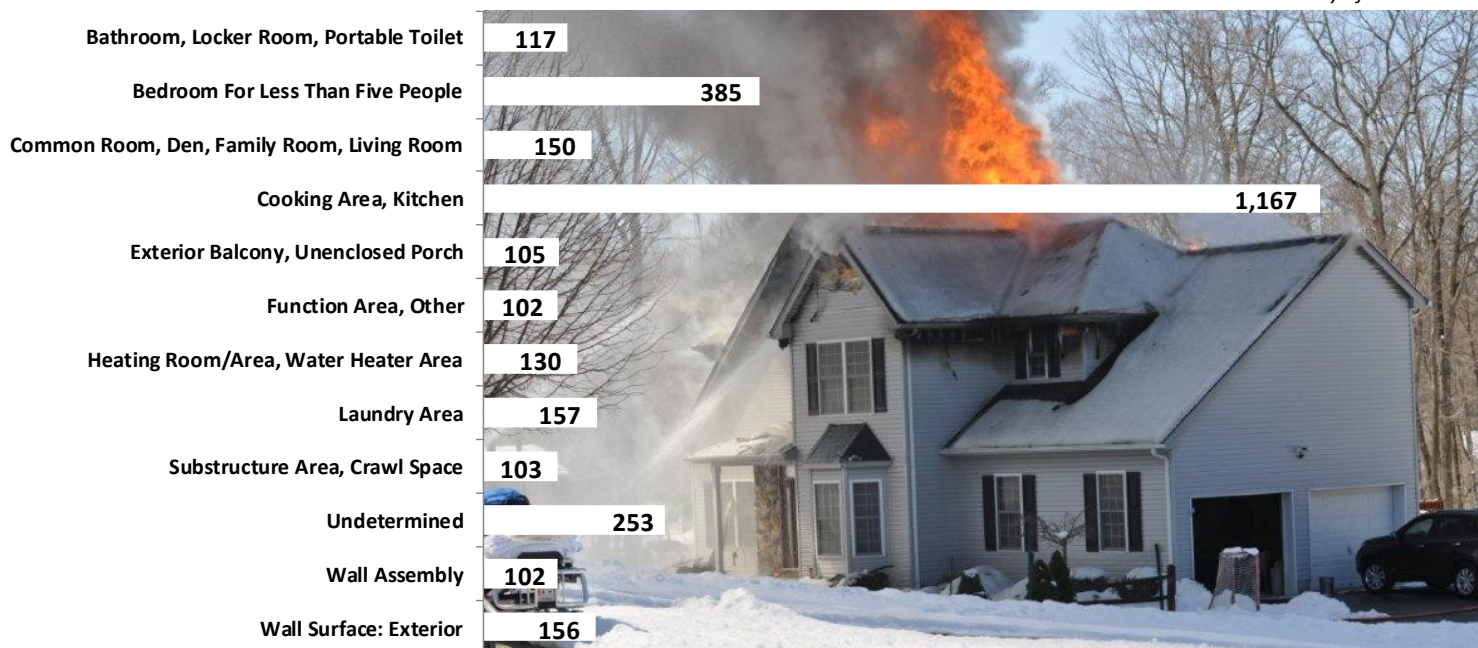
# FIRE INCIDENTS - AREA OF FIRE ORIGIN

MOST FREQUENT AREAS OF FIRE ORIGIN - ALL PROPERTY USES			
AREA OF FIRE ORIGIN	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Bedroom For Less Than Five People	416	\$4,908,113.00	\$2,143,601.00
Cooking Area, Kitchen	1,418	\$8,293,489.00	\$8,196,884.00
Courtyard, Patio, Porch, Terrace	264	\$83,755.00	\$9,111.00
Engine Area, Running Gear, Wheel Area	1,705	\$1,775,995.00	\$101,190.00
Highway, Parking Lot, Street: On Or Near	646	\$39,157.00	\$45,055.00
Laundry Area	234	\$137,326.00	\$168,803.00
Open Area - Outside	644	\$14,783.00	\$5,504.00
Operator/Passenger Area	265	\$386,813.00	\$13,852.00
Other	346	\$780,008.00	\$218,671.00
Outside Area, Other	1,210	\$875,515.00	\$436,926.00
Undetermined	1,347	\$4,929,010.00	\$1,372,008.00
Vehicle Area, Other	253	\$1,012,004.00	\$53,001.00
Wall Surface: Exterior	204	\$2,240,050.00	\$623,500.00
Wildland, Woods	340	\$2.00	\$1.00

MOST FREQUENT AREAS OF FIRE ORIGIN - RESIDENTIAL USES			
AREA OF FIRE ORIGIN	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Bedroom For Less Than Five People	404	\$4,908,101.00	\$2,143,601.00
Common Room, Den, Family Room, Living Room	159	\$1,573,050.00	\$517,539.00
Cooking Area, Kitchen	1,255	\$8,161,776.00	\$7,855,582.00
Courtyard, Patio, Porch, Terrace	152	\$65,753.00	\$3,036.00
Exterior Balcony, Unenclosed Porch	125	\$2,607,090.00	\$1,467,801.00
Heating Room/Area, Water Heater Area	139	\$1,082,506.00	\$230,001.00
Laundry Area	204	\$122,826.00	\$41,078.00
Open Area - Outside	130	\$5,703.00	\$2.00
Other	144	\$640,102.00	\$153,670.00
Outside Area, Other	372	\$783,657.00	\$423,701.00
Undetermined	392	\$3,776,809.00	\$1,308,757.00
Wall Surface: Exterior	168	\$2,153,550.00	\$468,000.00

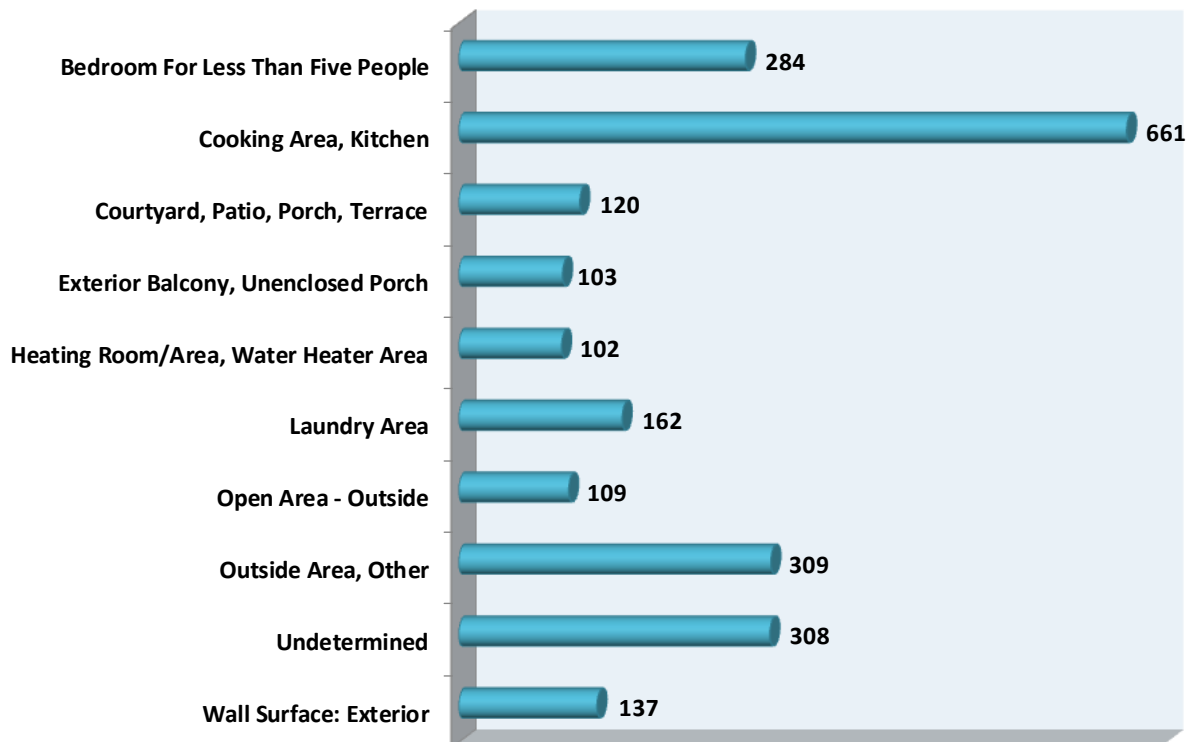
## MOST FREQUENT AREAS OF FIRE ORIGIN IN RESIDENTIAL STRUCTURE FIRES

Picture courtesy of Jackie Pellek

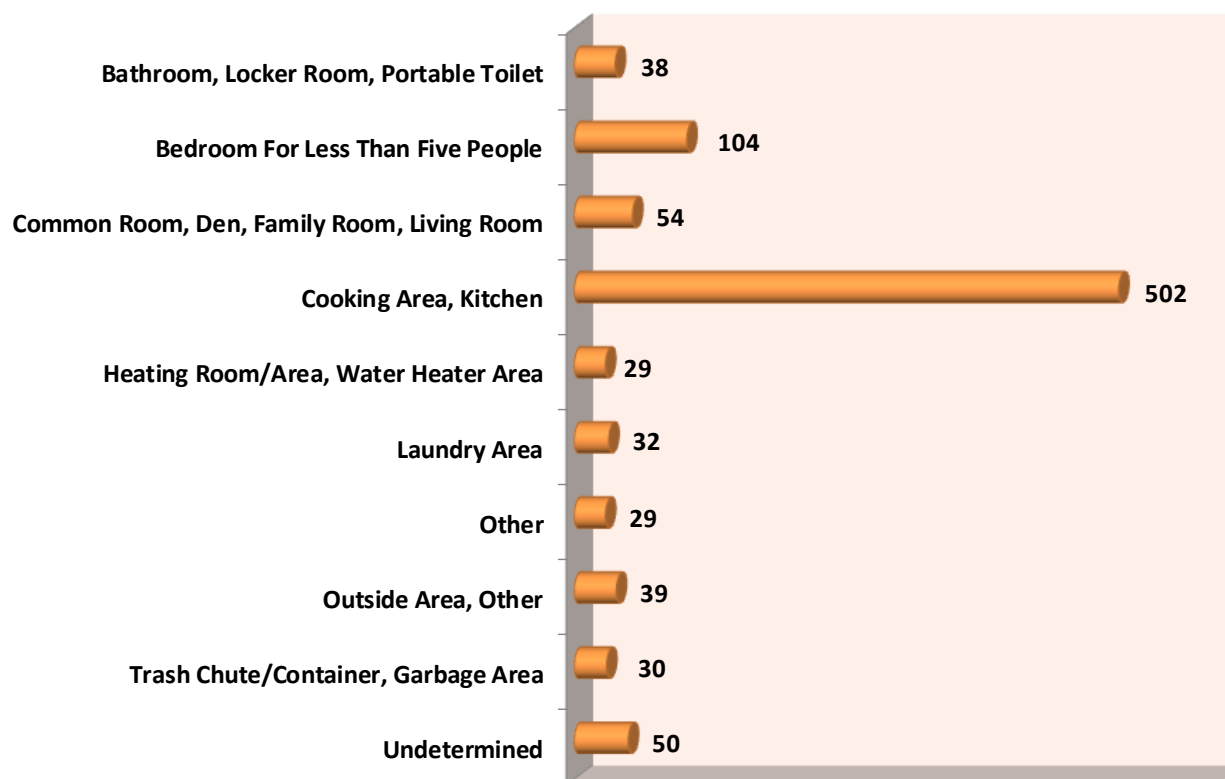


# FIRE INCIDENTS - AREA OF FIRE ORIGIN

## MOST FREQUENT AREAS OF FIRE ORIGIN IN 1 OR 2 FAMILY DWELLINGS



## MOST FREQUENT AREAS OF FIRE ORIGIN IN MULTIFAMILY DWELLINGS





# FIRE INCIDENTS - AREA OF FIRE ORIGIN

<b>MOST FREQUENT AREAS OF FIRE ORIGIN - ASSEMBLY USES</b>			
<b>AREA OF FIRE ORIGIN</b>	<b>INCIDENTS</b>	<b>PROPERTY LOSS</b>	<b>CONTENTS LOSS</b>
Bathroom, Locker Room, Portable Toilet	9	\$1,000.00	\$0.00
Cooking Area, Kitchen	60	\$21,211.00	\$31,701.00
Courtyard, Patio, Porch, Terrace	7	\$1.00	\$0.00
Engine Area, Running Gear, Wheel Area	18	\$40,000.00	\$30,800.00
Heating Room/Area, Water Heater Area	12	\$170,000.00	\$60,000.00
Highway, Parking Lot, Street: On Or Near	24	\$101.00	\$52.00
Open Area - Outside	22	\$1.00	\$0.00
Other	14	\$0.00	\$2,000.00
Outside Area, Other	57	\$2,826.00	\$125.00
Undetermined	33	\$50,200.00	\$50.00

<b>MOST FREQUENT AREAS OF FIRE ORIGIN - EDUCATIONAL USES</b>			
<b>AREA OF FIRE ORIGIN</b>	<b>INCIDENTS</b>	<b>PROPERTY LOSS</b>	<b>CONTENTS LOSS</b>
Assembly Area For Less Than 100 People	3	\$0.00	\$0.00
Bathroom, Locker Room, Portable Toilet	15	\$83,500.00	\$1,000.00
Cooking Area, Kitchen	17	\$0.00	\$0.00
Courtyard, Patio, Porch, Terrace	4	\$1.00	\$0.00
Engine Area, Running Gear, Wheel Area	11	\$4,000.00	\$0.00
Hallway, Corridor, Mall	3	\$0.00	\$0.00
Heating Room/Area, Water Heater Area	8	\$100.00	\$0.00
Highway, Parking Lot, Street: On Or Near	4	\$0.00	\$0.00
Open Area - Outside	4	\$0.00	\$0.00
Outside Area, Other	19	\$600.00	\$0.00
Switchgear Area, Transformer Vault	3	\$0.00	\$0.00
Undetermined	10	\$0.00	\$0.00
Wildland, Woods	7	\$0.00	\$0.00

<b>MOST FREQUENT AREAS OF FIRE ORIGIN - HEALTH CARE, DETENTION AND CORRECTION USES</b>			
<b>Area Of Fire Origin</b>	<b>Incidents</b>	<b>Property Loss</b>	<b>Contents Loss</b>
Bathroom, Locker Room, Portable Toilet	4	\$0.00	\$0.00
Bedroom For Less Than Five People	6	\$0.00	\$0.00
Closet	3	\$0.00	\$0.00
Common Room, Den, Family Room, Living Room	3	\$0.00	\$0.00
Cooking Area, Kitchen	23	\$2.00	\$1.00
Courtyard, Patio, Porch, Terrace	3	\$0.00	\$0.00
Engine Area, Running Gear, Wheel Area	3	\$0.00	\$0.00
Equipment Or Service Area, Other	5	\$0.00	\$0.00
Highway, Parking Lot, Street: On Or Near	4	\$0.00	\$0.00
Laundry Area	3	\$0.00	\$100.00
Outside Area, Other	5	\$0.00	\$0.00
Undetermined	6	\$0.00	\$0.00

<b>MOST FREQUENT AREAS OF FIRE ORIGIN - INDUSTRIAL USES</b>			
<b>AREA OF FIRE ORIGIN</b>	<b>INCIDENTS</b>	<b>PROPERTY LOSS</b>	<b>CONTENTS LOSS</b>
Ceiling And Floor Assembly, Crawl Space Between Stories	3	\$0.00	\$0.00
Conduit, Pipe, Utility, Or Ventilation Shaft	3	\$600,000.00	\$90,000.00
Engine Area, Running Gear, Wheel Area	10	\$0.00	\$0.00
Equipment Or Service Area, Other	6	\$0.00	\$0.00
Open Area - Outside	8	\$0.00	\$0.00
Other	4	\$0.00	\$0.00
Outside Area, Other	14	\$0.00	\$0.00
Storage Area, Other	3	\$0.00	\$0.00
Switchgear Area, Transformer Vault	5	\$200,000.00	\$0.00
Undetermined	14	\$0.00	\$0.00
Wildland, Woods	39	\$0.00	\$0.00

# FIRE INCIDENTS - AREA OF FIRE ORIGIN

## MOST FREQUENT AREAS OF FIRE ORIGIN - MANUFACTURING USES

AREA OF FIRE ORIGIN	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Duct	2	\$0.00	\$0.00
Engine Area, Running Gear, Wheel Area	2	\$0.00	\$0.00
Equipment Or Service Area, Other	7	\$1.00	\$1,202,501.00
Machinery Room/Area	4	\$0.00	\$0.00
Other	3	\$0.00	\$0.00
Outside Area, Other	4	\$0.00	\$0.00
Processing/Manufacturing Area	12	\$1,515,000.00	\$157,500.00
Shipping/Receiving Area	4	\$0.00	\$37,000.00
Undetermined	7	\$2,500.00	\$5,000.00
Wall Surface: Exterior	2	\$5,000.00	\$5,000.00

## MOST FREQUENT AREAS OF FIRE ORIGIN - MERCANTILE, BUSINESS USES

AREA OF FIRE ORIGIN	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Cooking Area, Kitchen	41	\$110,500.00	\$309,600.00
Courtyard, Patio, Porch, Terrace	15	\$0.00	\$0.00
Engine Area, Running Gear, Wheel Area	83	\$27,600.00	\$200.00
Equipment Or Service Area, Other	13	\$125,000.00	\$50,125.00
Highway, Parking Lot, Street: On Or Near	79	\$15,151.00	\$1.00
Laundry Area	23	\$14,500.00	\$127,625.00
Open Area - Outside	21	\$0.00	\$0.00
Operator/Passenger Area	17	\$100,200.00	\$4,500.00
Other	20	\$130,300.00	\$51,000.00
Outside Area, Other	104	\$54,500.00	\$10,000.00
Sales Area, Showroom	14	\$50,000.00	\$560,782.00
Undetermined	87	\$9,500.00	\$3,000.00
Vehicle Area, Other	24	\$200,001.00	\$1.00
Wall Surface: Exterior	16	\$53,500.00	\$150,500.00

## MOST FREQUENT AREAS OF FIRE ORIGIN - OUTSIDE OR SPECIAL USES

AREA OF FIRE ORIGIN	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Cargo/Trunk Area	80	\$12,601.00	\$1,100.00
Courtyard, Patio, Porch, Terrace	72	\$1,000.00	\$75.00
Engine Area, Running Gear, Wheel Area	1,433	\$1,457,494.00	\$64,589.00
Exterior, Exposed Surface	81	\$61,545.00	\$4,050.00
Highway, Parking Lot, Street: On Or Near	497	\$16,405.00	\$42,502.00
Open Area - Outside	443	\$6,079.00	\$5,401.00
Operator/Passenger Area	215	\$171,112.00	\$9,351.00
Other	131	\$4,104.00	\$12,001.00
Outside Area, Other	591	\$11,932.00	\$2,600.00
Undetermined	710	\$886,401.00	\$52,201.00
Vehicle Area, Other	188	\$60,003.00	\$1,500.00
Wildland, Woods	258	\$2.00	\$1.00

## MOST FREQUENT AREAS OF FIRE ORIGIN - STORAGE USES

AREA OF FIRE ORIGIN	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Courtyard, Patio, Porch, Terrace	7	\$17,000.00	\$6,000.00
Engine Area, Running Gear, Wheel Area	24	\$34,751.00	\$1,001.00
Highway, Parking Lot, Street: On Or Near	7	\$7,500.00	\$2,500.00
Open Area - Outside	7	\$3,000.00	\$100.00
Outside Area, Other	28	\$0.00	\$0.00
Storage Area, Other	32	\$26,500.00	\$257,000.00
Storage Room, Area, Tank, Or Bin	8	\$49,500.00	\$20,500.00
Storage: Supplies, Tools, Or Unfinished Basement	13	\$3,000.00	\$7,000.00
Undetermined	53	\$103,500.00	\$3,000.00
Vacant Structural Area	7	\$0.00	\$0.00
Vehicle Storage Area; Garage, Carport	46	\$156,500.00	\$150,750.00
Wall Surface: Exterior	12	\$28,000.00	\$0.00

# DETECTOR PRESENCE AND PERFORMANCE

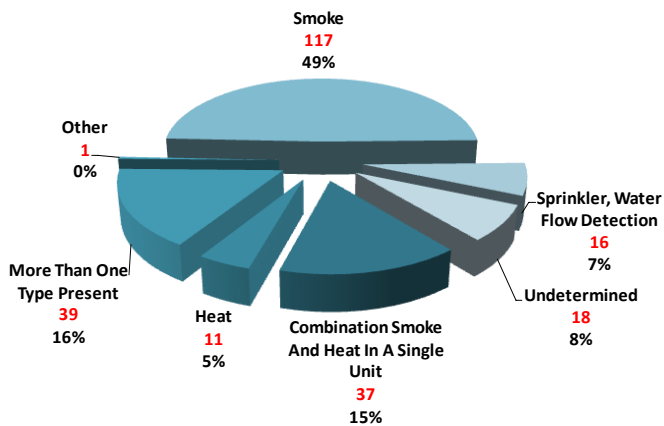
DETECTOR PRESENCE BY COUNTY	COUNTY	DETECTOR PRESENCE NOT A REQUIRED ENTRY	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	NONE PRESENT	PRESENT	UNDETERMINED	TOTAL
	Atlantic	334	530	26	79	41	1,010
Bergen	1,054	709	28	121	28	1,940	
Burlington	246	736	38	125	63	1,208	
Camden	662	1,125	156	246	136	2,325	
Cape May	136	228	14	51	14	443	
Cumberland	148	350	22	66	36	622	
Essex	1,735	1,140	70	171	71	3,187	
Gloucester	140	395	16	31	16	598	
Hudson	1,449	522	41	214	94	2,320	
Hunterdon	103	162	13	25	12	315	
Mercer	936	372	69	116	32	1,525	
Middlesex	648	766	25	99	43	1,581	
Monmouth	741	837	32	101	67	1,778	
Morris	473	346	7	54	14	894	
Ocean	392	633	29	83	34	1,171	
Passaic	973	464	40	83	82	1,642	
Salem	88	126	9	16	12	251	
Somerset	83	253	11	43	5	395	
Sussex	105	120	10	18	8	261	
Union	877	706	52	108	52	1,795	
Warren	92	161	9	15	10	287	
<b>TOTAL</b>	<b>11,415</b>	<b>10,681</b>	<b>717</b>	<b>1,865</b>	<b>870</b>	<b>25,548</b>	

DETECTOR PRESENCE BY PROPERTY USE CATEGORY	PROPERTY USE CATEGORY	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	NONE PRESENT	PRESENT	UNDETERMINED
	Assembly	348	12	46	18
Educational	124	2	31	3	
Health Care, Detention And Correction	60	2	26	2	
Industrial, Utility, Defense, Agriculture, Mining	139	11	8	2	
Information Not Provided By Fire Department	11				
Manufacturing, Processing	43	11	18	6	
Mercantile, Business	687	66	94	51	
None	132	1			
Other	75	2			
Outside Or Special Property	6,295	27	3	7	
Residential	2,536	449	1,626	762	
Storage	201	128	10	11	
Undetermined	30	6	3	8	
<b>TOTAL</b>	<b>10,681</b>	<b>717</b>	<b>1,865</b>	<b>870</b>	

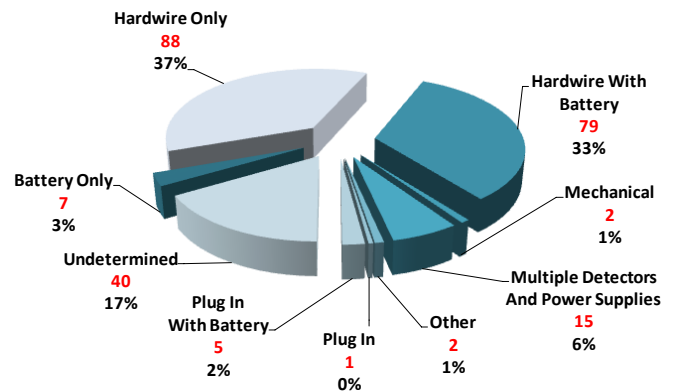
# DETECTOR PRESENCE AND PERFORMANCE

NON-RESIDENTIAL PROPERTY USES			
DETECTOR PRESENCE	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Detector Presence Not A Required Entry	1,990	\$44,384.00	\$55,857.00
Information Not Provided By Fire Department	8,145	\$4,095,594.00	\$285,147.00
None Present	268	\$1,418,750.00	\$1,087,682.00
Present	239	\$2,954,850.00	\$2,787,200.00
Undetermined	108	\$694,602.00	\$216,502.00
<b>TOTAL</b>	<b>10,750</b>	<b>\$9,208,180.00</b>	<b>\$4,432,388.00</b>

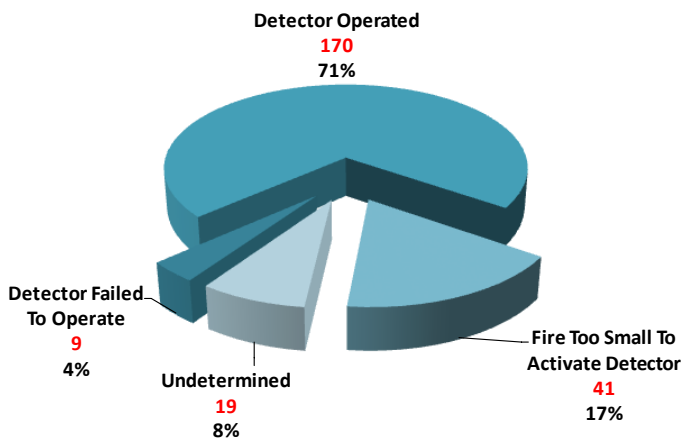
DETECTOR TYPE IN NON-RESIDENTIAL PROPERTY USES



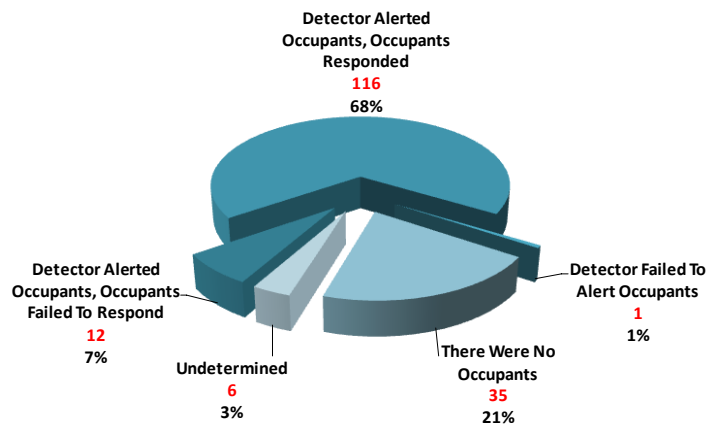
DETECTOR POWER SUPPLY IN NON-RESIDENTIAL PROPERTY USES



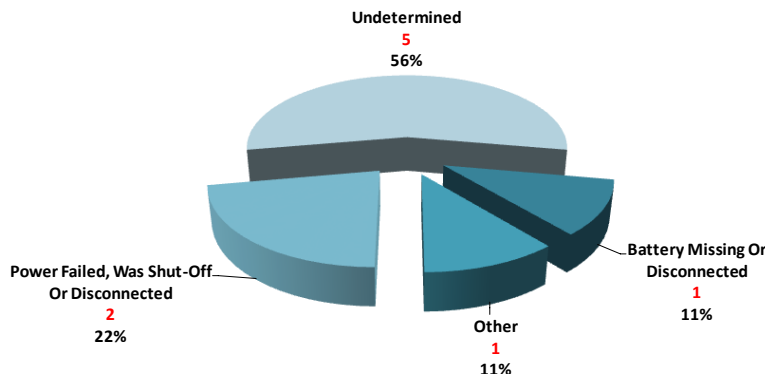
DETECTOR OPERATION IN NON-RESIDENTIAL PROPERTY USES



DETECTOR EFFECTIVENESS IN NON-RESIDENTIAL PROPERTY USES



DETECTOR FAILURE REASON IN NON-RESIDENTIAL PROPERTY USES



# DETECTOR PRESENCE AND PERFORMANCE

RESIDENTIAL PROPERTY USES			
DETECTOR PRESENCE	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Detector Presence Not A Required Entry	9,425	\$112,932.00	\$121,382.00
Information Not Provided By Fire Department	2,536	\$1,238,168.00	\$215,285.00
None Present	449	\$8,351,892.00	\$7,970,724.00
Present	1,626	\$26,465,610.00	\$8,016,070.00
Undetermined	762	\$10,934,735.00	\$3,489,148.00
<b>TOTAL</b>	<b>14,798</b>	<b>\$47,103,337.00</b>	<b>\$19,812,609.00</b>



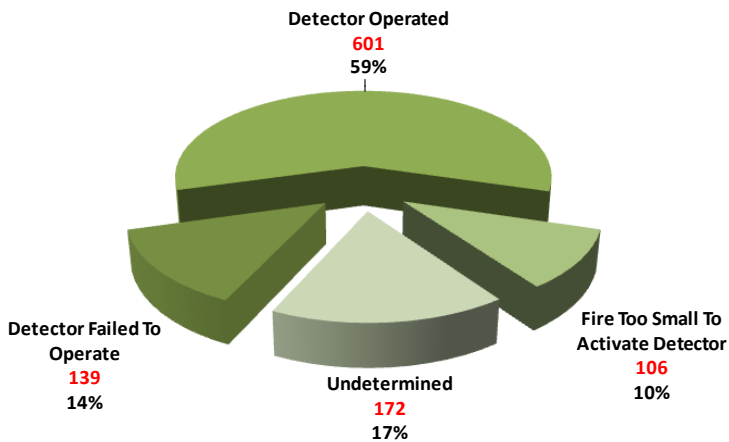
DETECTOR PRESENCE IN RESIDENTIAL PROPERTY USES BY SPECIFIC PROPERTY USE					
SPECIFIC PROPERTY USE	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	NONE PRESENT	PRESENT	UNDETERMINED	TOTAL
1 Or 2 Family Dwelling	1,928	390	1,018	613	3,949
Barracks, Dormitory	1		1		2
Boarding/Rooming House, Residential Hotels	11		14	9	34
Dormitory-Type Residence, Other	5		9		14
Hotel/Motel, Commercial	42	2	25	2	71
Multifamily Dwelling	414	48	533	124	1,119
Residential Board And Care	5	1	7		13
Residential, Other	129	8	19	14	170
Sorority House, Fraternity House	1				1
<b>TOTAL</b>	<b>2,536</b>	<b>449</b>	<b>1,626</b>	<b>762</b>	<b>5,373</b>

# DETECTOR PRESENCE AND PERFORMANCE

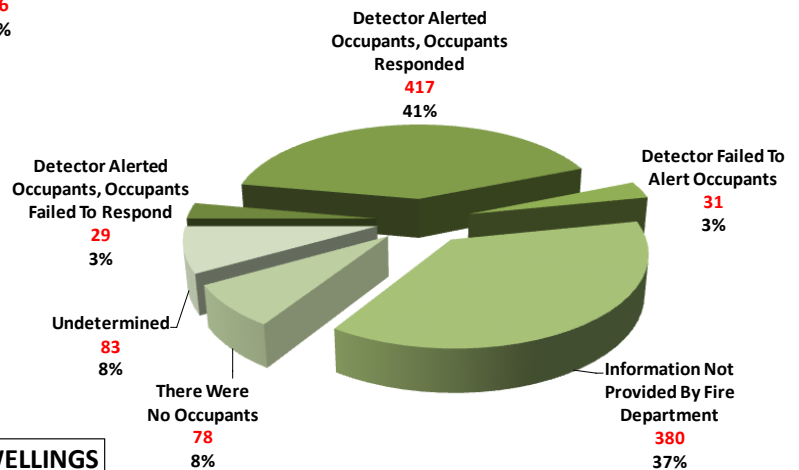
## 1 OR 2 FAMILY DWELLINGS

DETECTOR PRESENCE	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Detector Presence Not A Required Entry	4,503	\$71,305.00	\$103,233.00
Information Not Provided By Fire Department	1,928	\$745,317.00	\$140,589.00
None Present	390	\$3,021,892.00	\$919,724.00
Present	1,018	\$12,201,607.00	\$4,795,939.00
Undetermined	613	\$10,029,978.00	\$3,246,372.00
<b>TOTAL</b>	<b>8,452</b>	<b>\$26,070,099.00</b>	<b>\$9,205,857.00</b>

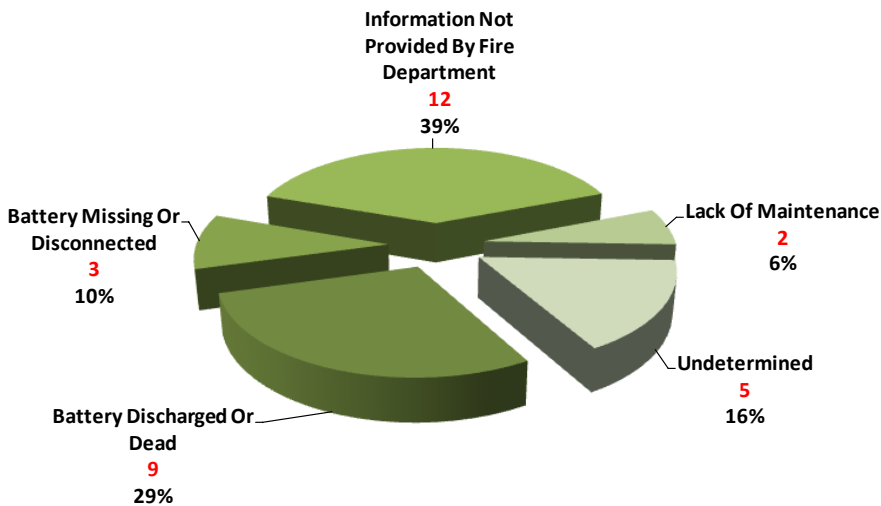
### DETECTOR OPERATION IN 1 OR 2 FAMILY DWELLINGS



### DETECTOR EFFECTIVENESS IN 1 OR 2 FAMILY DWELLINGS



### DETECTOR FAILURE REASON IN 1 OR 2 FAMILY DWELLINGS

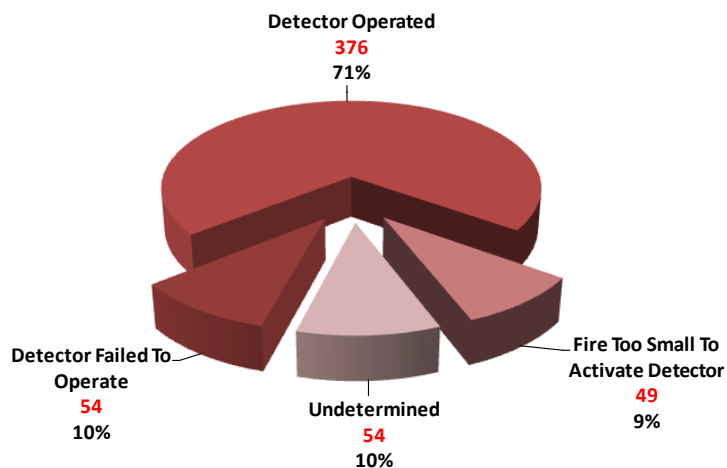


# DETECTOR PRESENCE AND PERFORMANCE

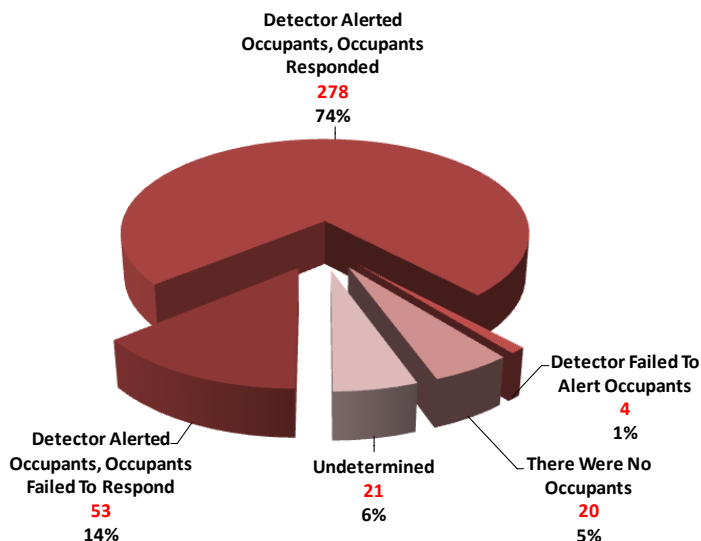
## MULTIFAMILY DWELLINGS

DETECTOR PRESENCE	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
Detector Presence Not A Required Entry	4,068	\$28,526.00	\$13,394.00
Information Not Provided By Fire Department	414	\$263,201.00	\$48,596.00
None Present	48	\$330,000.00	\$51,000.00
Present	533	\$13,263,953.00	\$3,041,137.00
Undetermined	124	\$690,756.00	\$167,675.00
<b>TOTAL</b>	<b>5,187</b>	<b>\$14,576,436.00</b>	<b>\$3,321,802.00</b>

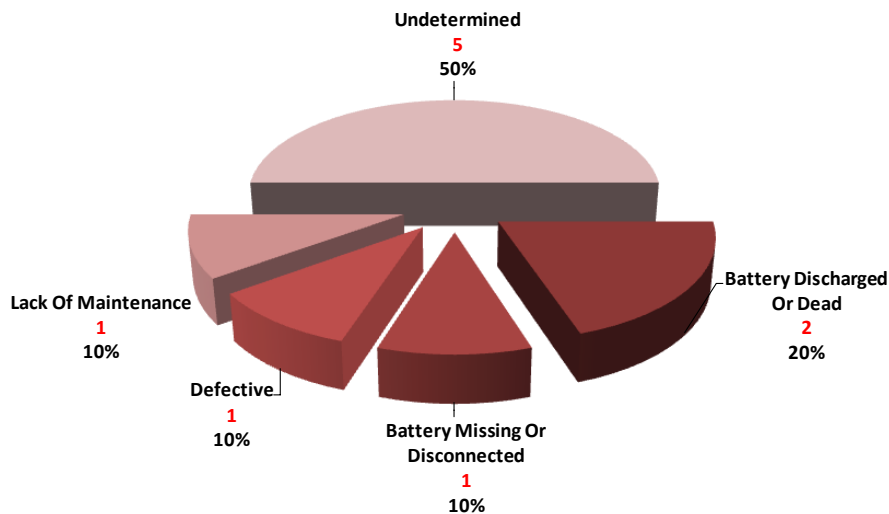
### DETECTOR OPERATION IN MULTIFAMILY DWELLINGS



### DETECTOR EFFECTIVENESS IN MULTIFAMILY DWELLINGS



### DETECTOR FAILURE REASON IN MULTIFAMILY DWELLINGS



# AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE BY COUNTY							
COUNTY	AES PRESENCE NOT A REQUIRED ENTRY	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	NONE PRESENT	PARTIAL SYSTEM PRESENT	PRESENT	UNDETERMINED	TOTAL
Atlantic	334	533	120		11	12	1,010
Bergen	1,054	712	155	2	13	4	1,940
Burlington	247	740	191		18	12	1,208
Camden	663	1,129	450	6	38	39	2,325
Cape May	136	227	65		11	4	443
Cumberland	148	350	101	1	10	12	622
Essex	1,735	1,142	276		25	9	3,187
Gloucester	140	394	59	1	2	2	598
Hudson	1,449	522	237	4	52	56	2,320
Hunterdon	103	163	44		4	1	315
Mercer	936	373	189		23	4	1,525
Middlesex	648	765	142	2	17	7	1,581
Monmouth	741	842	157	1	18	19	1,778
Morris	473	347	59		5	10	894
Ocean	392	632	133		6	8	1,171
Passaic	973	468	176	1	14	10	1,642
Salem	88	127	31		4	1	251
Somerset	83	254	45	1	8	4	395
Sussex	105	120	27		3	6	261
Union	877	706	182	2	21	7	1,795
Warren	92	161	32			2	287
<b>TOTAL</b>	<b>11,417</b>	<b>10,707</b>	<b>2,871</b>	<b>21</b>	<b>303</b>	<b>229</b>	<b>25,548</b>

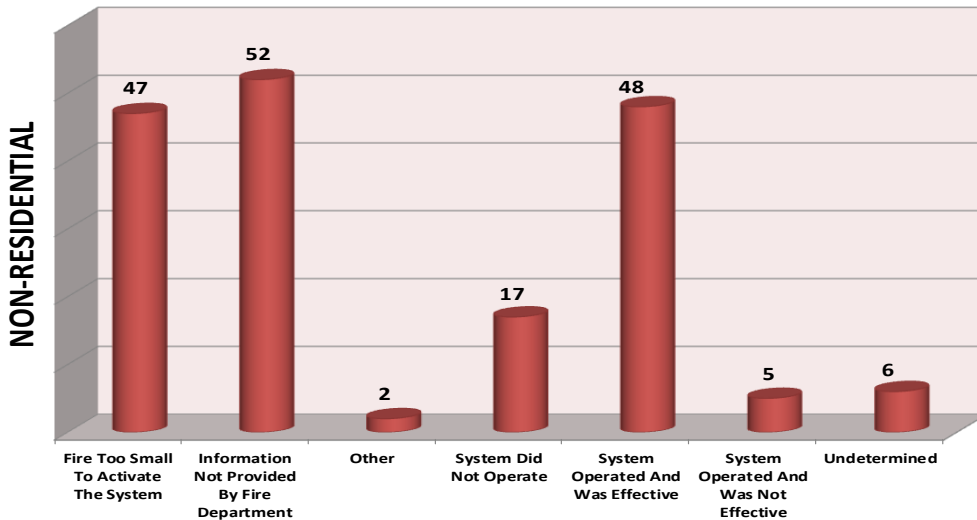
AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE BY PROPERTY USE CATEGORY							
PROPERTY USE CATEGORY	AES PRESENCE NOT A REQUIRED ENTRY	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	NONE PRESENT	PARTIAL SYSTEM PRESENT	PRESENT	UNDETERMINED	TOTAL
Assembly	427	349	32		32	11	851
Educational	225	125	14	3	10	8	385
Health Care, Detention And Correction	384	60	10		19	1	474
Industrial, Utility, Defense, Agriculture, Mining	15	139	13		6	2	175
Information Not Provided By Fire Department	1	11					12
Manufacturing, Processing	18	43	7		25	3	96
Mercantile, Business	419	690	125	7	53	23	1,317
None	11	132	1				144
Other	15	75	2				92
Outside Or Special Property	353	6,295	34		3		6,685
Residential	9,427	2,559	2,493	10	137	172	14,798
Storage	60	199	130		17	4	410
Undetermined	62	30	10	1	1	5	109
<b>TOTAL</b>	<b>11,417</b>	<b>10,707</b>	<b>2,871</b>	<b>21</b>	<b>303</b>	<b>229</b>	<b>25,548</b>

TYPES OF AUTOMATIC EXTINGUISHMENT SYSTEMS BY PROPERTY USE CATEGORY										
PROPERTY USE CATEGORY	DRY CHEMICAL SYSTEM	DRY-PIPE SPRINKLER SYSTEM	FOAM SYSTEM	HALOGEN TYPE SYSTEM	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	OTHER SPRINKLER SYSTEM	SPECIAL HAZARD SYSTEM, OTHER	UNDETERMINED	WET-PIPE SPRINKLER SYSTEM	TOTAL
Assembly	8	2	1		2	1	2	4	12	32
Educational					1				10	11
Health Care, Detention And Correction		2		1	3			2	11	19
Industrial, Utility, Defense, Agriculture, Mining					1			1	4	6
Manufacturing, Processing		2			4			1	18	25
Mercantile, Business	6	2		1	6		1	1	40	57
Outside Or Special Property					1				2	3
Residential		4			28	2	1	11	101	147
Storage		1			3			1	12	17
Undetermined		1								1
<b>TOTAL</b>	<b>14</b>	<b>14</b>	<b>1</b>	<b>2</b>	<b>49</b>	<b>3</b>	<b>4</b>	<b>21</b>	<b>210</b>	<b>318</b>



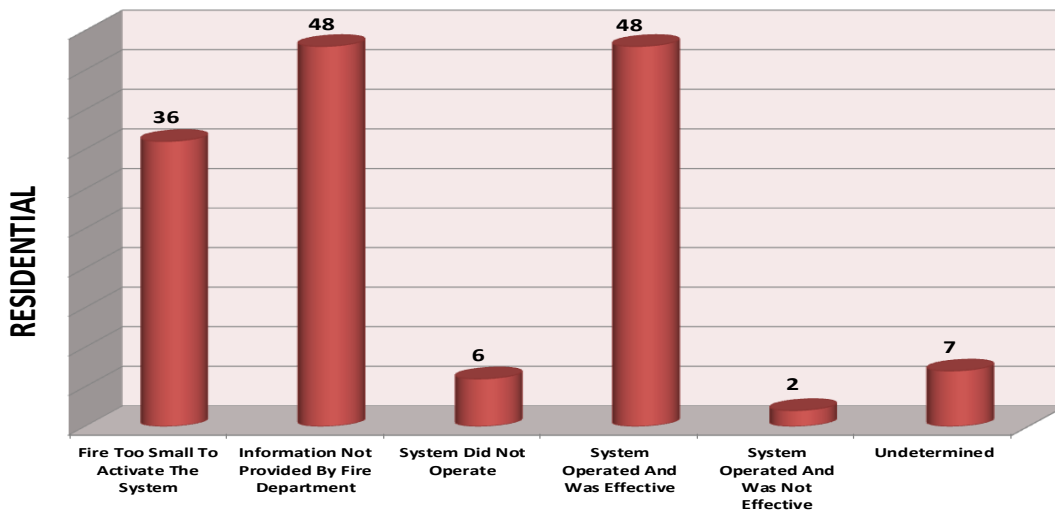
# AUTOMATIC EXTINGUISHMENT SYSTEM

**AUTOMATIC EXTINGUISHMENT SYSTEM OPERATION**



NON-RESIDENTIAL	AUTOMATIC EXTINGUISHMENT SYSTEM OPERATION		
		INCIDENTS	PROPERTY LOSS
	Fire Too Small To Activate The System	47	\$13,001.00
	Information Not Provided By Fire Department	52	\$1,555,101.00
	Other	2	\$0.00
	System Did Not Operate	17	\$11,000.00
	System Operated And Was Effective	48	\$347,250.00
	System Operated And Was Not Effective	5	\$278,000.00
Undetermined	6	\$176,000.00	
<b>TOTAL</b>	<b>177</b>	<b>\$2,380,352.00</b>	

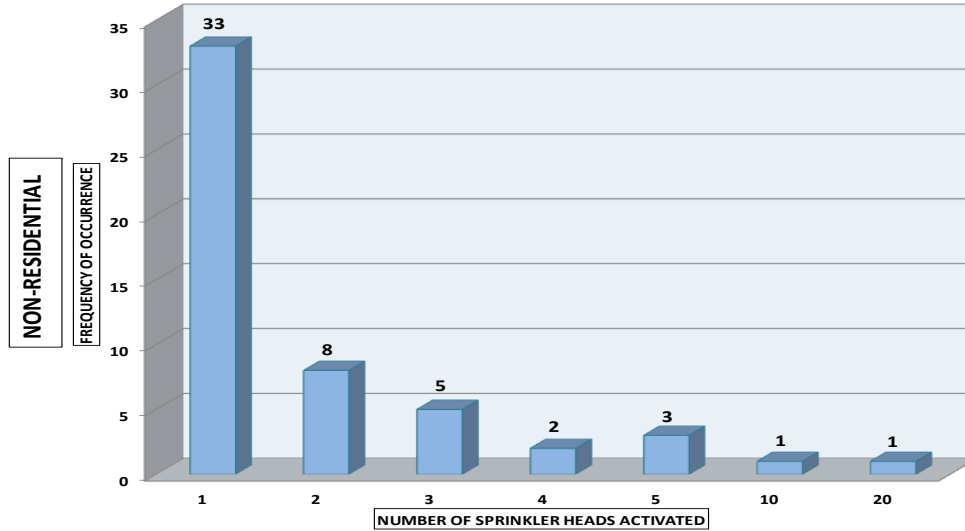
**AUTOMATIC EXTINGUISHMENT SYSTEM OPERATION**



RESIDENTIAL	AUTOMATIC EXTINGUISHMENT SYSTEM OPERATION		
		INCIDENTS	PROPERTY LOSS
	Fire Too Small To Activate The System	36	\$39,000.00
	Information Not Provided By Fire Department	48	\$100.00
	System Did Not Operate	6	\$0.00
	System Operated And Was Effective	48	\$315,000.00
	System Operated And Was Not Effective	2	\$0.00
Undetermined	7	\$250,000.00	
<b>TOTAL</b>	<b>147</b>	<b>\$604,100.00</b>	

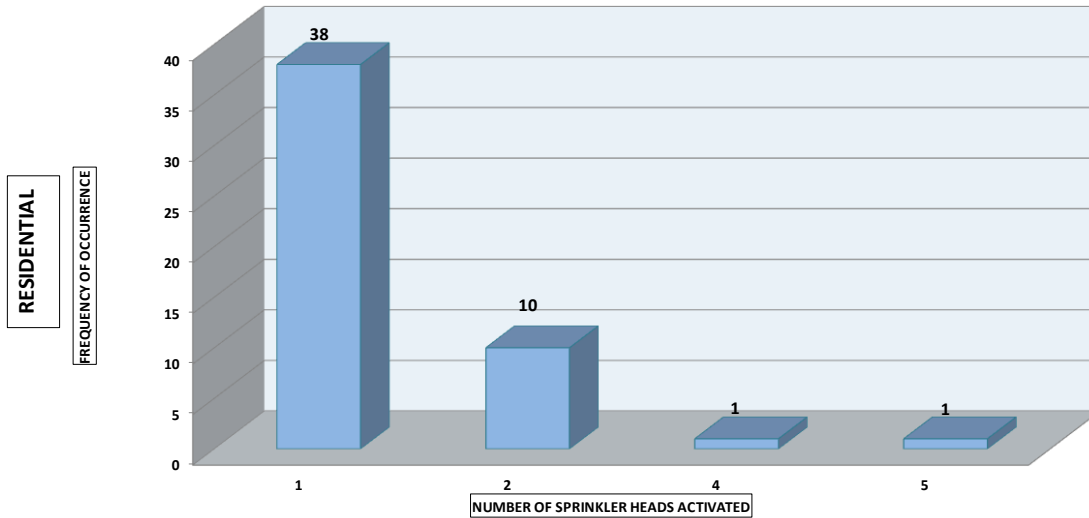
# AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

**SPRINKLER HEADS ACTIVATED**



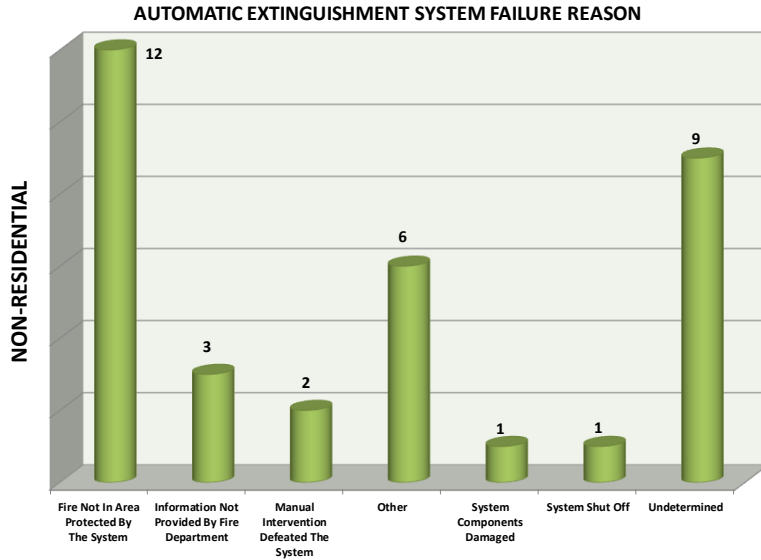
NON-RESIDENTIAL	NUMBER OF SPRINKLER HEADS ACTIVATED	FREQUENCY OF OCCURRENCE	PROPERTY LOSS	CONTENTS LOSS
	1	33	\$237,250.00	\$446,150.00
	2	8	\$50,000.00	\$421,500.00
	3	5	\$20,000.00	\$30,000.00
	4	2	\$18,000.00	\$5,500.00
	5	3	\$50,000.00	\$550,000.00
	10	1	\$0.00	\$0.00
	20	1	\$250,000.00	\$60,000.00
<b>TOTAL</b>	<b>53</b>	<b>\$625,250.00</b>	<b>\$1,513,150.00</b>	

**SPRINKLER HEADS ACTIVATED**

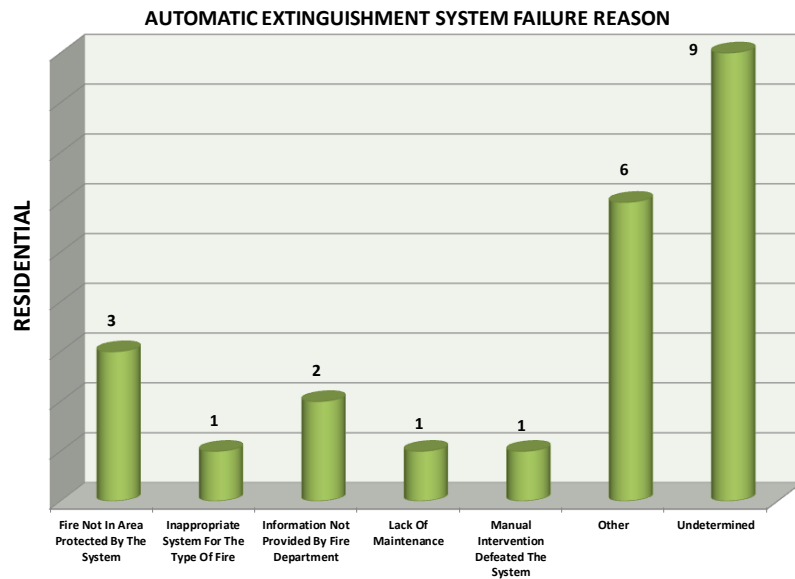


RESIDENTIAL	NUMBER OF SPRINKLER HEADS ACTIVATED	FREQUENCY OF OCCURRENCE	PROPERTY LOSS	CONTENTS LOSS
	1	38	\$285,000.00	\$73,000.00
	2	10	\$30,000.00	\$5,400.00
	4	1	\$0.00	\$0.00
	5	1	\$0.00	\$0.00
<b>TOTAL</b>	<b>50</b>	<b>\$315,000.00</b>	<b>\$78,400.00</b>	

# AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE



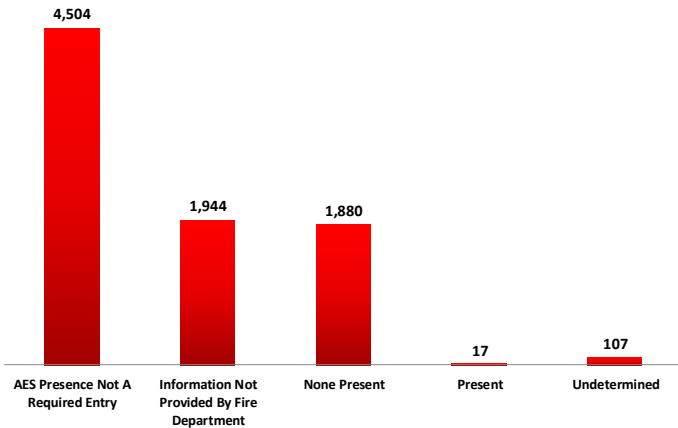
NON-RESIDENTIAL	AUTOMATIC EXTINGUISHMENT SYSTEM FAILURE REASON		INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
	Fire Not In Area Protected By The System		12	\$34,000.00	\$35,500.00
	Information Not Provided By Fire Department		3	\$10,000.00	\$20,000.00
	Manual Intervention Defeated The System		2	\$0.00	\$0.00
	Other		6	\$250,000.00	\$60,000.00
	System Components Damaged		1	\$0.00	\$0.00
	System Shut Off		1	\$0.00	\$0.00
	Undetermined		9	\$1.00	\$1.00
<b>TOTAL</b>		<b>34</b>	<b>\$294,001.00</b>	<b>\$115,501.00</b>	



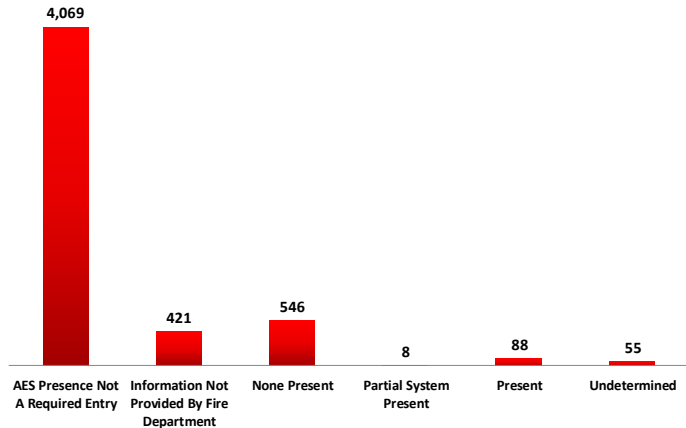
RESIDENTIAL	AUTOMATIC EXTINGUISHMENT SYSTEM FAILURE REASON		INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
	Fire Not In Area Protected By The System		3	\$0.00	\$0.00
	Inappropriate System For The Type Of Fire		1	\$0.00	\$0.00
	Information Not Provided By Fire Department		2	\$0.00	\$0.00
	Lack Of Maintenance		1	\$0.00	\$0.00
	Manual Intervention Defeated The System		1	\$0.00	\$0.00
	Other		6	\$175,000.00	\$80,000.00
	Undetermined		9	\$0.00	\$0.00
<b>TOTAL</b>		<b>23</b>	<b>\$175,000.00</b>	<b>\$80,000.00</b>	

# AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

**AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE  
1 OR 2 FAMILY DWELLINGS**



**AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE  
MULTIFAMILY DWELLINGS**



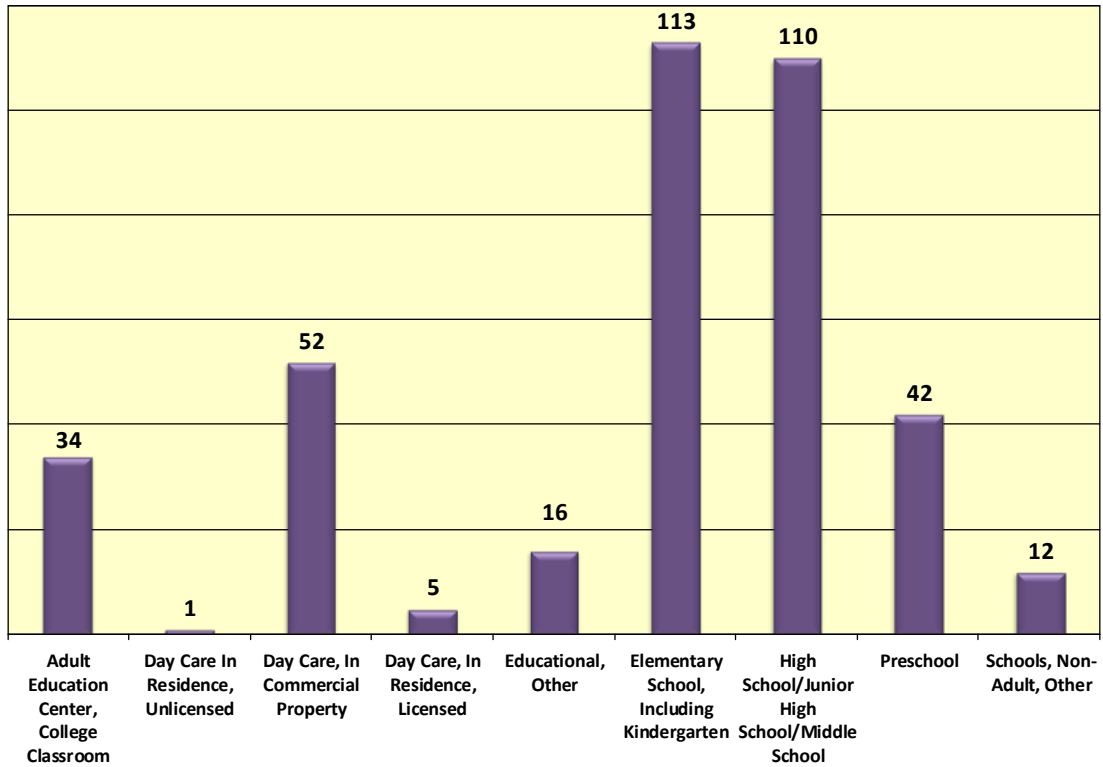
TYPES OF AUTOMATIC EXTINGUISHMENT SYSTEMS WHEN PRESENT	1 OR 2 FAMILY DWELLINGS	MULTIFAMILY DWELLINGS	TOTAL
Dry- Pipe Sprinkler System	1	3	4
Information Not Provided By Fire Department	4	18	22
Other Sprinkler System		1	1
Special Hazard System, Other	1		1
Undetermined	2	9	11
Wet-Pipe Sprinkler System	9	65	74
<b>TOTAL</b>	<b>17</b>	<b>96</b>	<b>113</b>

AUTOMATIC EXTINGUISHMENT SYSTEM OPERATION	1 OR 2 FAMILY DWELLINGS	MULTIFAMILY DWELLINGS	TOTAL
Fire Too Small To Activate The System	4	22	26
Information Not Provided By Fire Department	4	31	35
System Did Not Operate	1	3	4
System Operated And Was Effective	6	34	40
System Operated And Was Not Effective		1	1
Undetermined	2	5	7
<b>TOTAL</b>	<b>17</b>	<b>96</b>	<b>113</b>

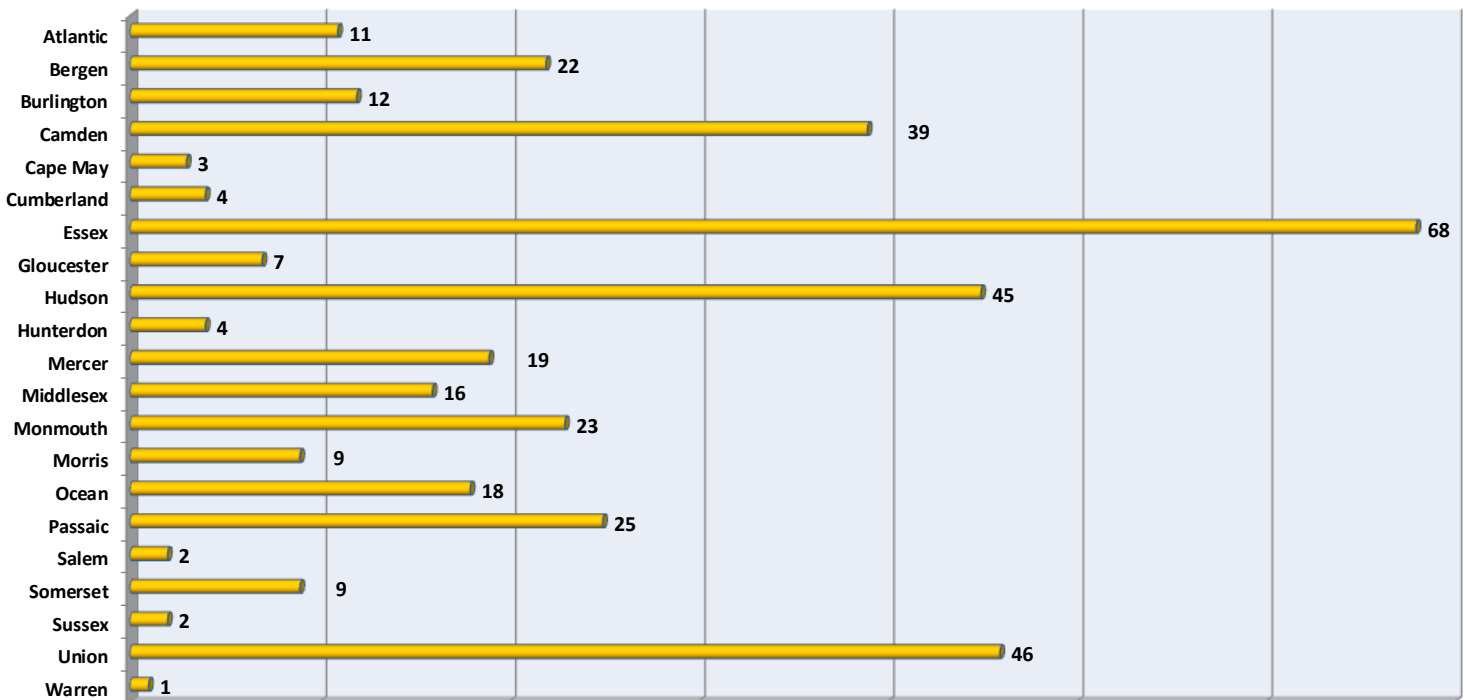
AUTOMATIC EXTINGUISHMENT SYSTEM FAILURE REASON	1 OR 2 FAMILY DWELLINGS	MULTIFAMILY DWELLINGS	TOTAL
Fire Not In Area Protected By The System		2	2
Inappropriate System For The Type Of Fire		1	1
Information Not Provided By Fire Department		1	1
Lack Of Maintenance		1	1
Manual Intervention Defeated The System		1	1
Other	1	1	2
Undetermined		2	2
<b>TOTAL</b>	<b>1</b>	<b>9</b>	<b>10</b>

# SCHOOL FIRES

## FIRES BY TYPE

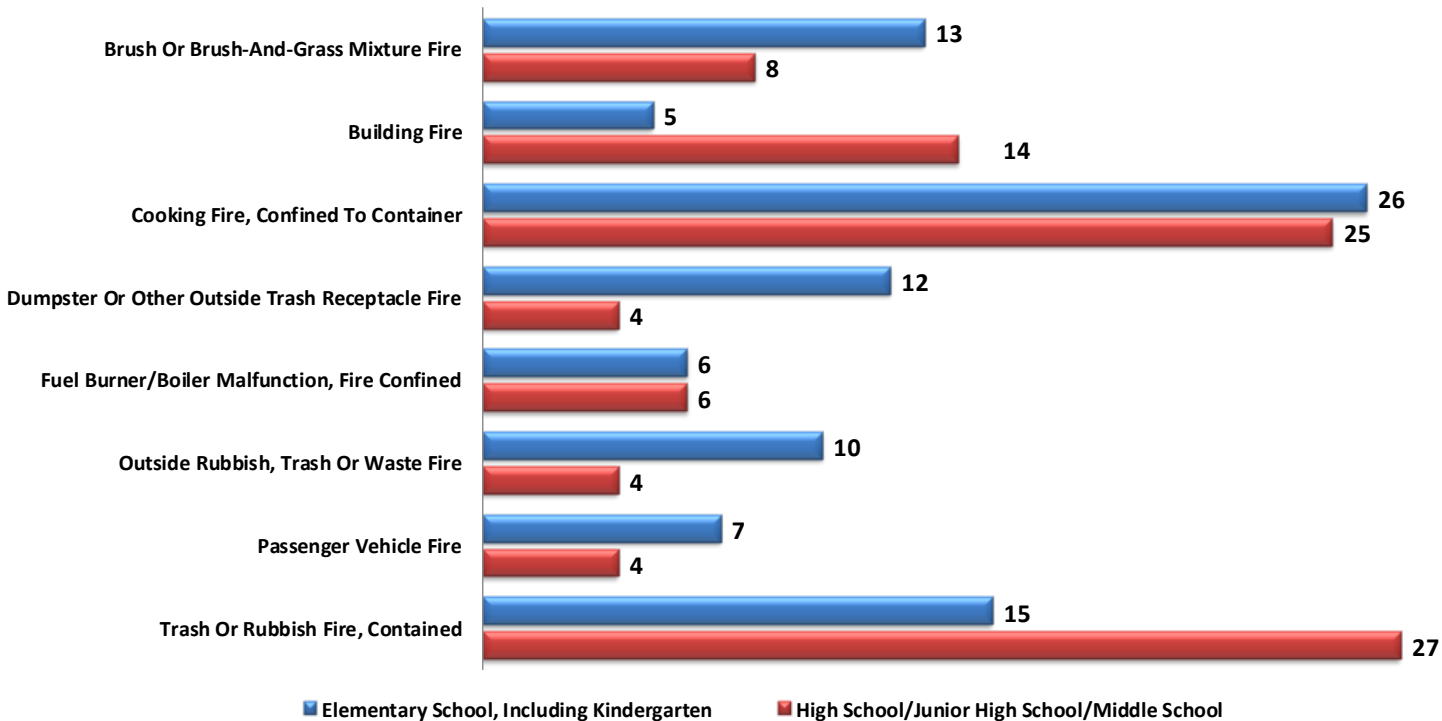


## SCHOOL FIRES BY COUNTY

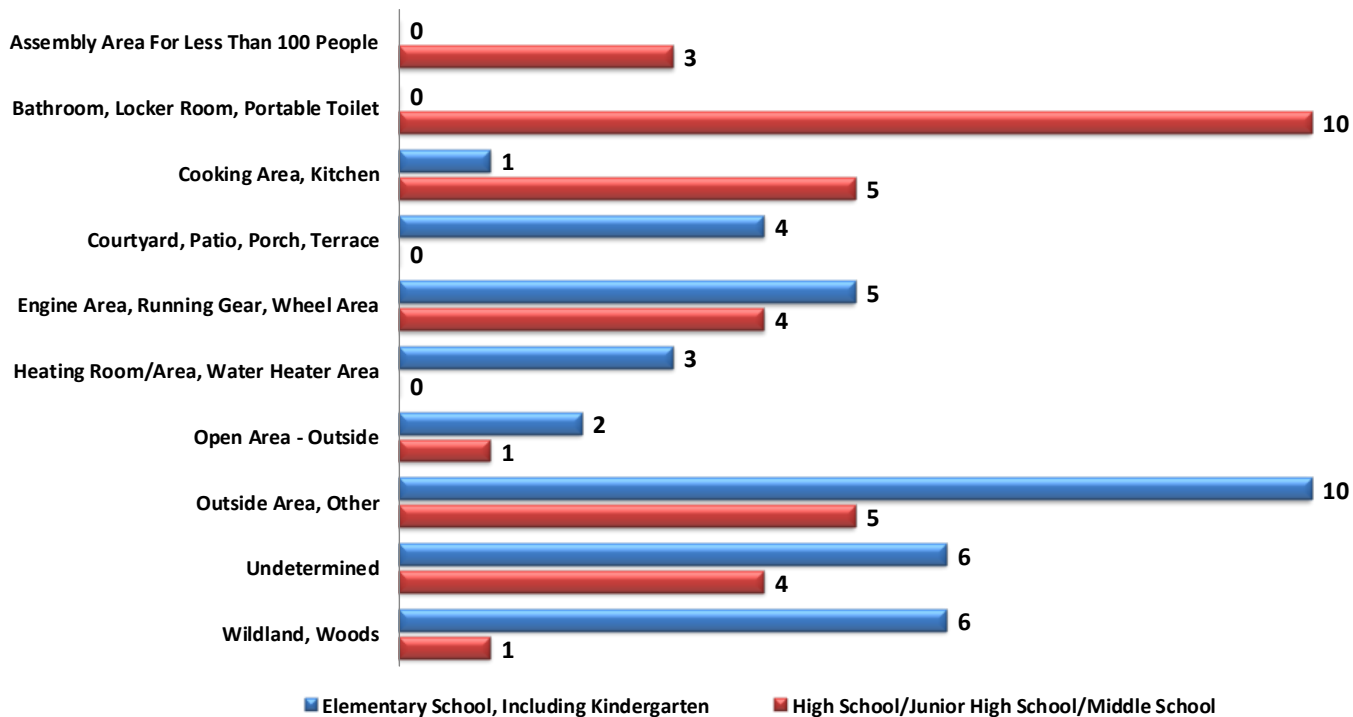


# SCHOOL FIRES

## MOST FREQUENT FIRES BY INCIDENT TYPE

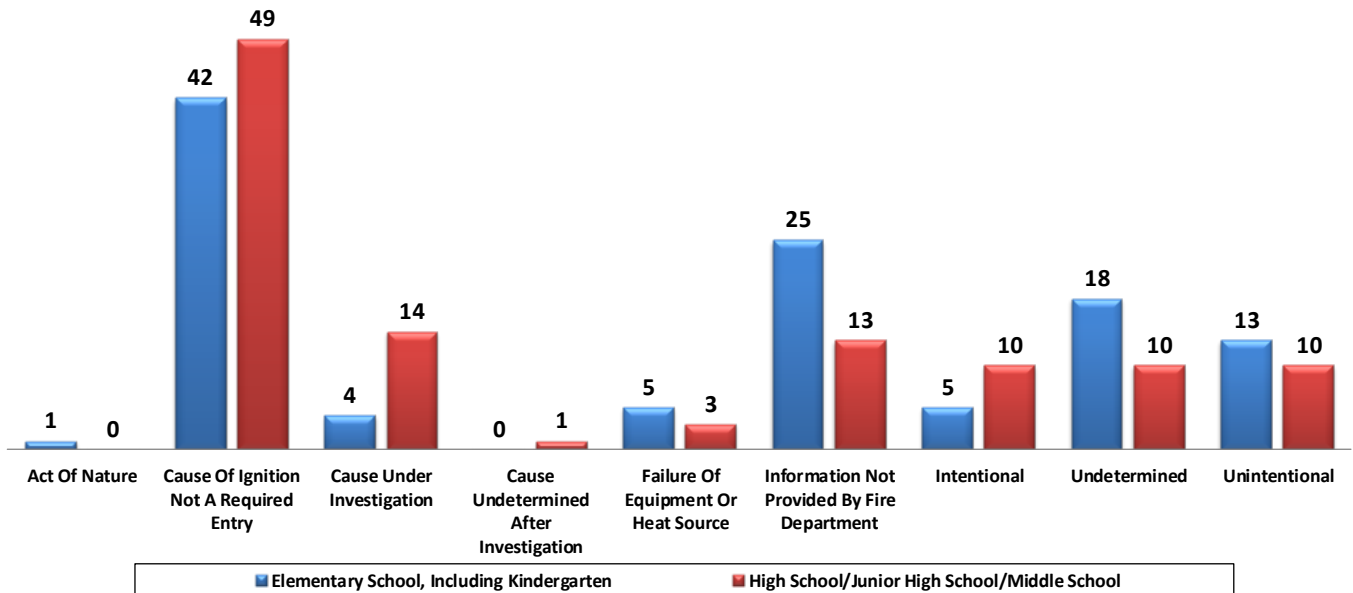


## MOST FREQUENT AREAS OF FIRE ORIGIN

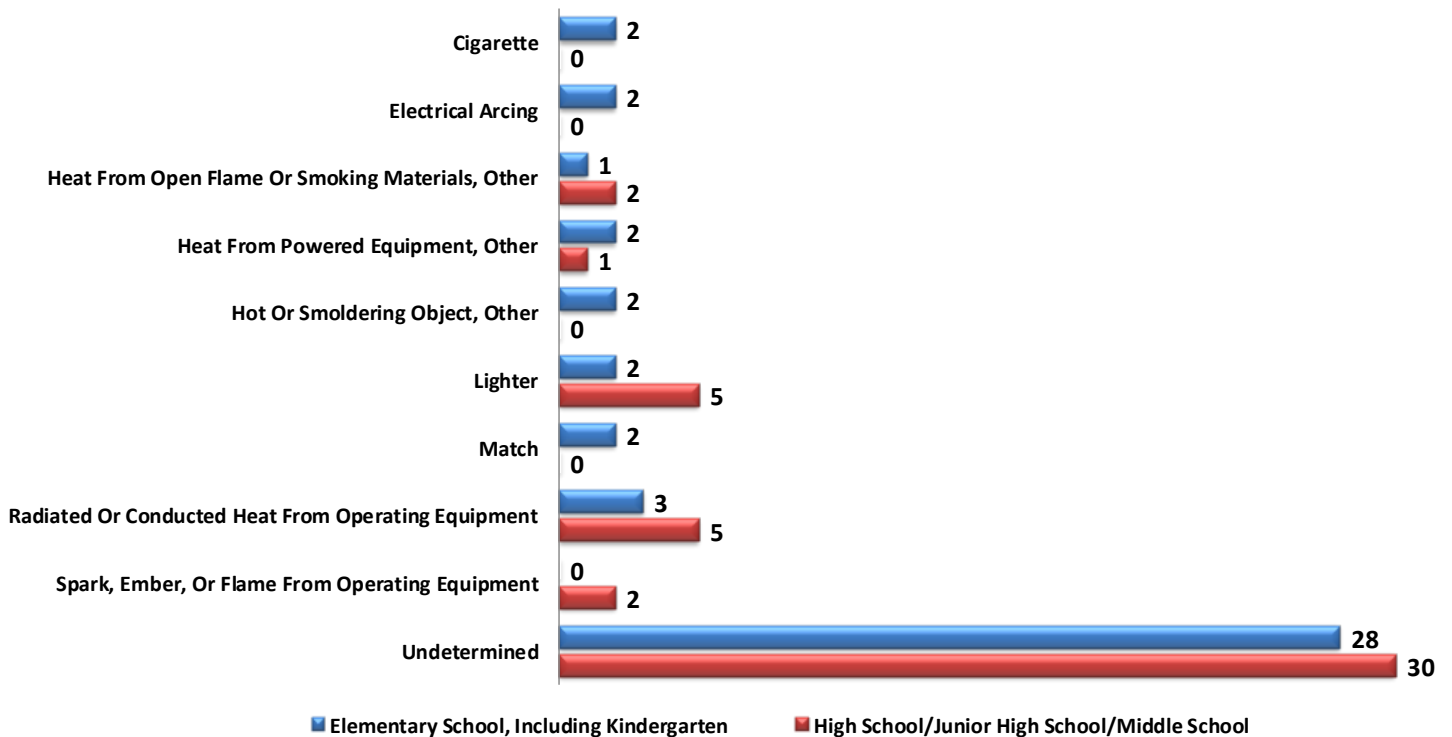


# SCHOOL FIRES

## CAUSE OF IGNITION

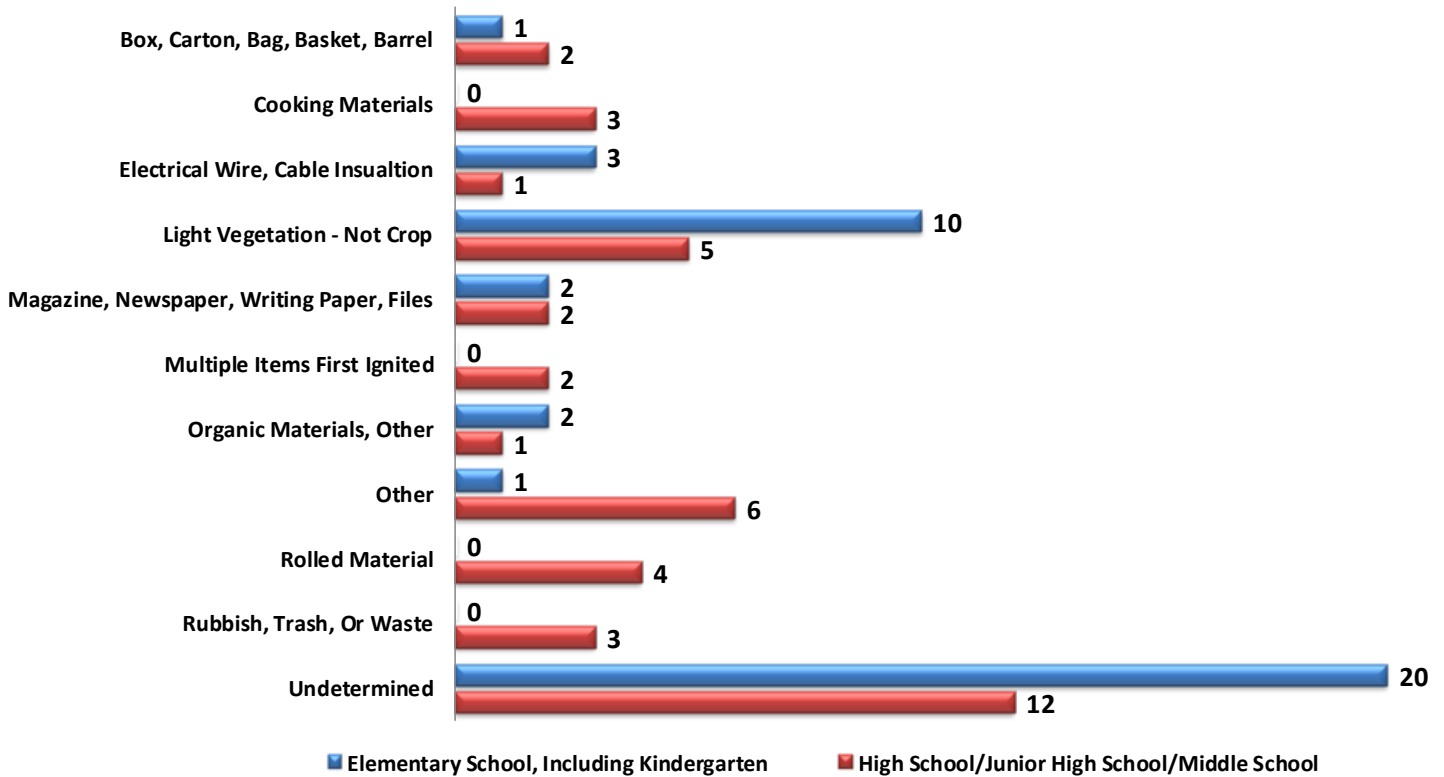


## MOST FREQUENT HEAT SOURCE OF FIRES

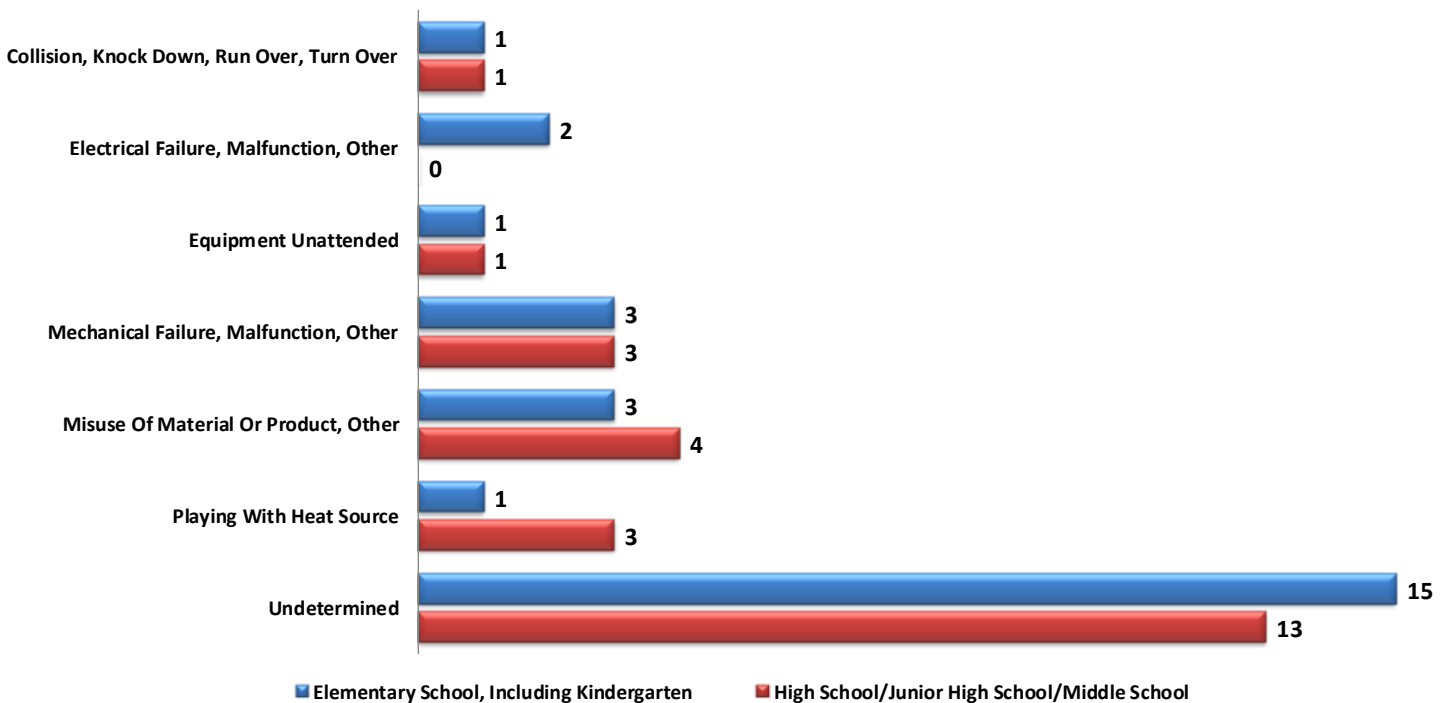


# SCHOOL FIRES

## MOST FREQUENT ITEM FIRST IGNITED



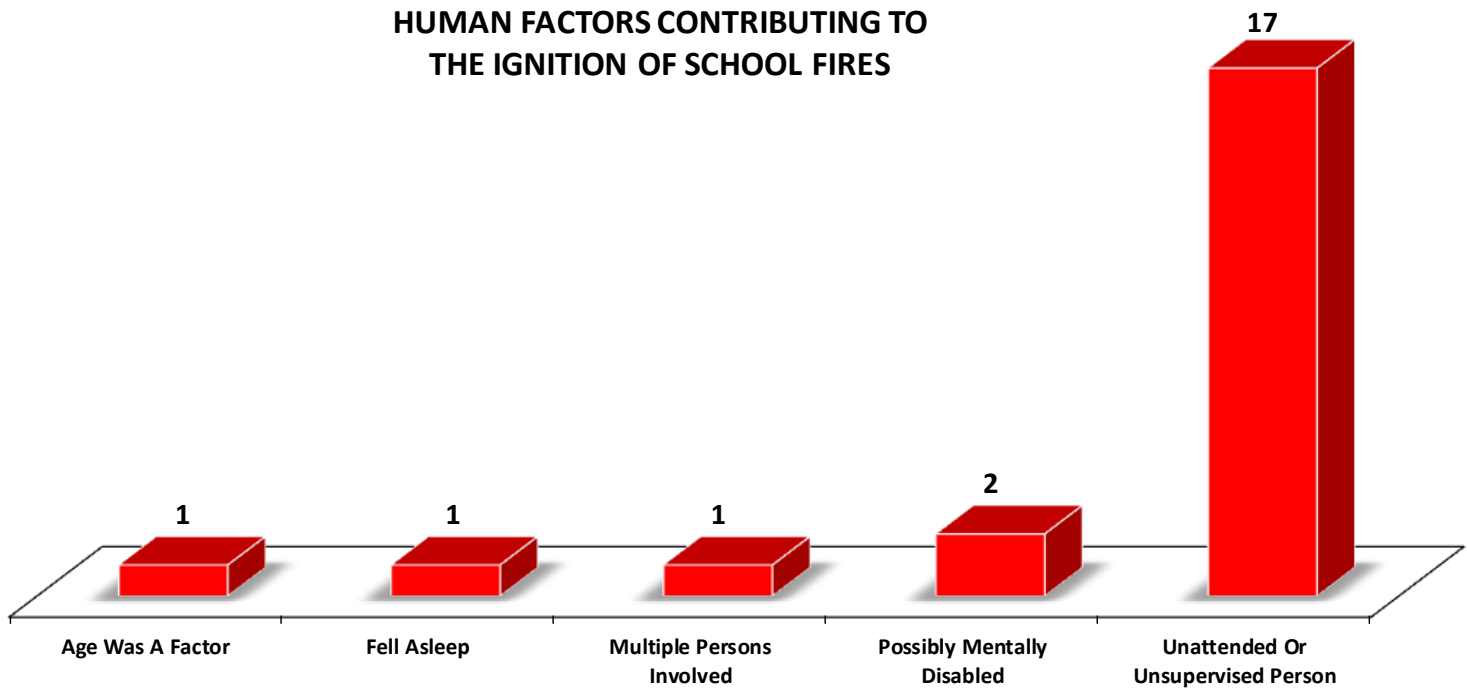
## MOST FREQUENT FACTORS CONTRIBUTING TO IGNITION





# SCHOOL FIRES

## HUMAN FACTORS CONTRIBUTING TO THE IGNITION OF SCHOOL FIRES

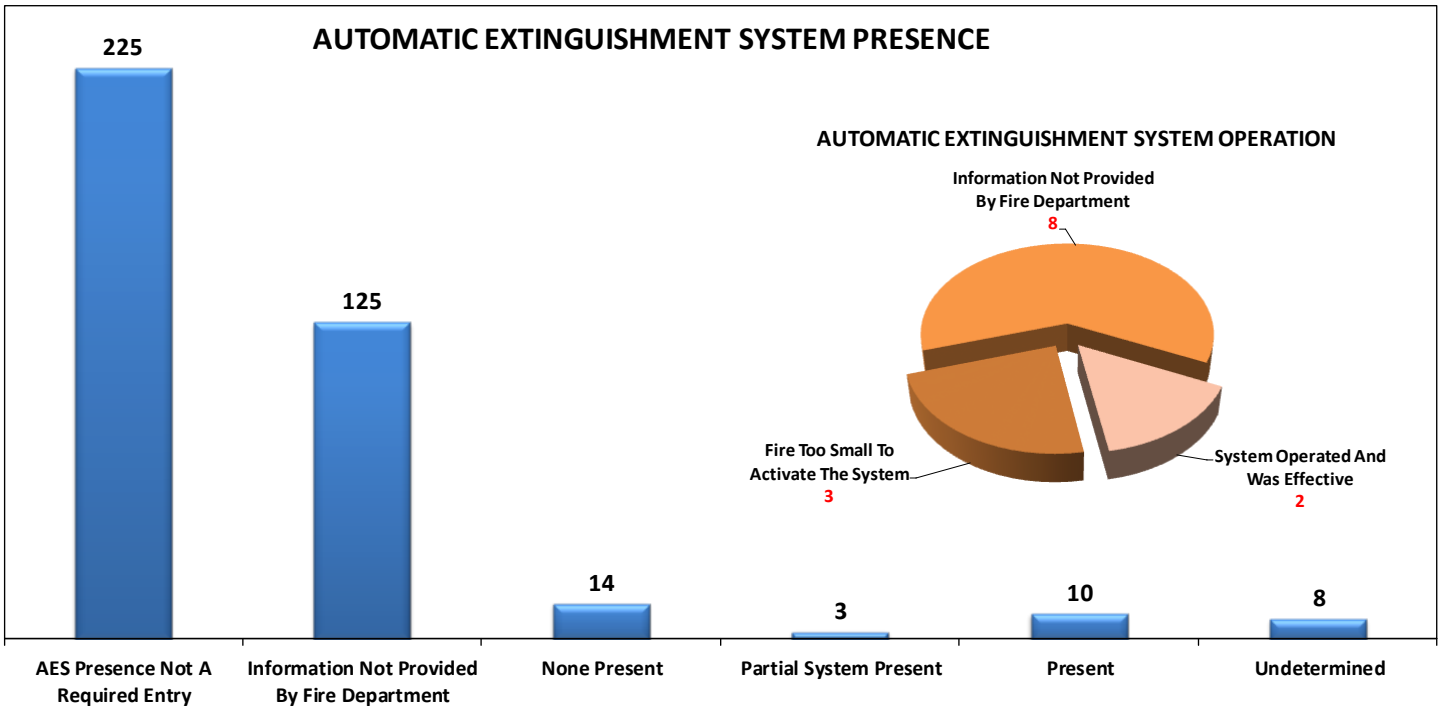
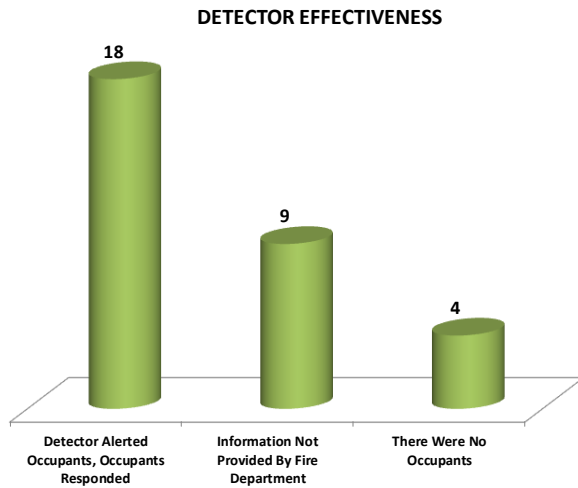
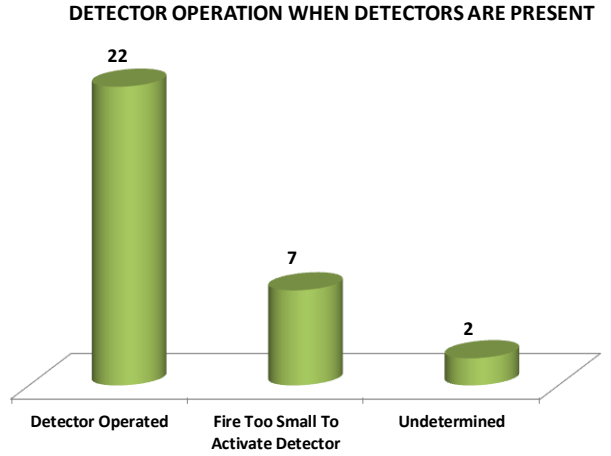
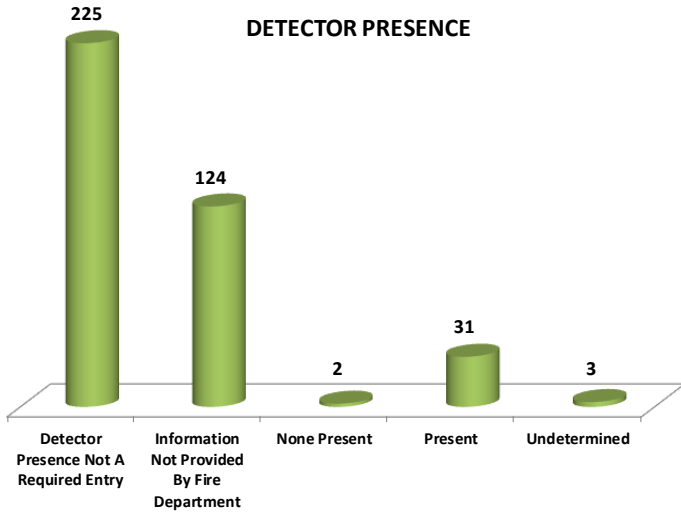


Picture courtesy of Bill Tompkins

DATA COLLECTED FROM THE NFIRS SYSTEM AS SUBMITTED BY FIRE DEPARTMENTS		
AGE AS FACTOR CONTRIBUTING TO IGNITION		
AGE	MALE	TOTAL
14	1	1
<b>TOTAL</b>	<b>1</b>	<b>1</b>

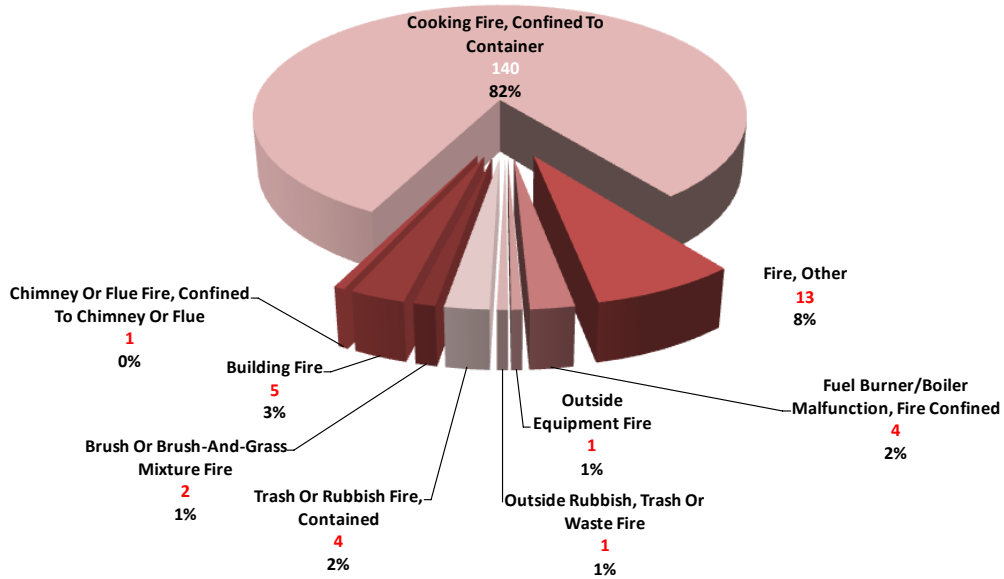
DATA COLLECTED FROM "SCHOOL FIRE REPORT FORMS" SUBMITTED TO THE DIVISION OF FIRE SAFETY FROM FIRE OFFICIALS, FIRE MARSHALS, AND FIRE CHIEFS				
AGE	NUMBER OF JUVENILES INVOLVED BY GENDER			TOTAL
	FEMALE	MALE	UNKNOWN	
6		1		1
10		1		1
11		1		1
12	3	2		5
13	2	5		7
14	2	4		6
15		4		4
16	1	6		7
17		2		2
18		2		2
Unknown		6	18	24
<b>TOTAL</b>	<b>8</b>	<b>34</b>	<b>18</b>	<b>60</b>

# SCHOOL FIRES

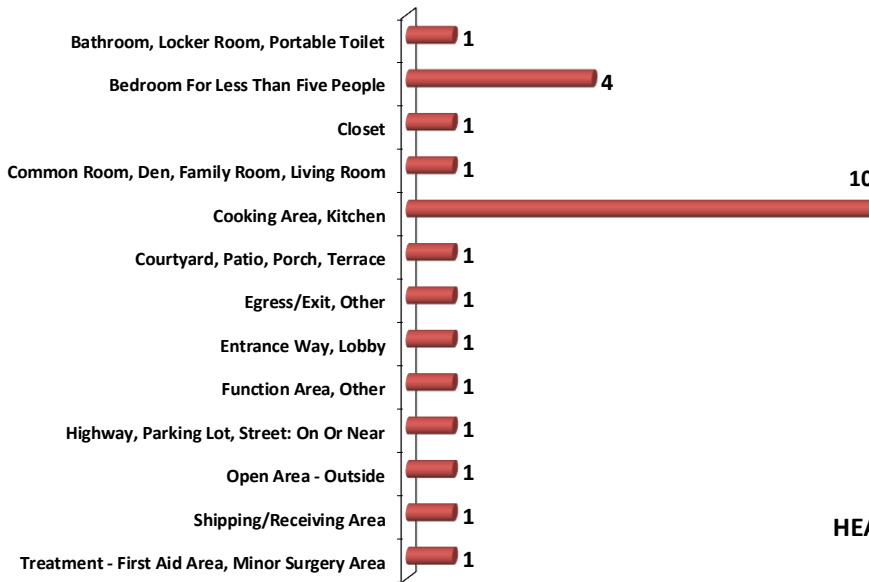


# NURSING HOME FIRES

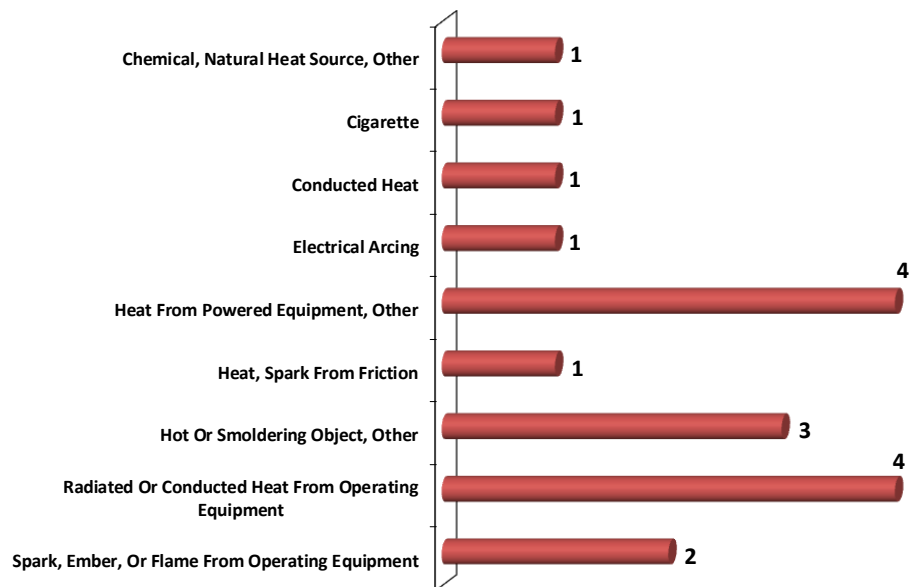
## NURSING HOME FIRES



## AREAS OF FIRE ORIGIN



## HEAT SOURCES OF FIRES



# RESTAURANT FIRES

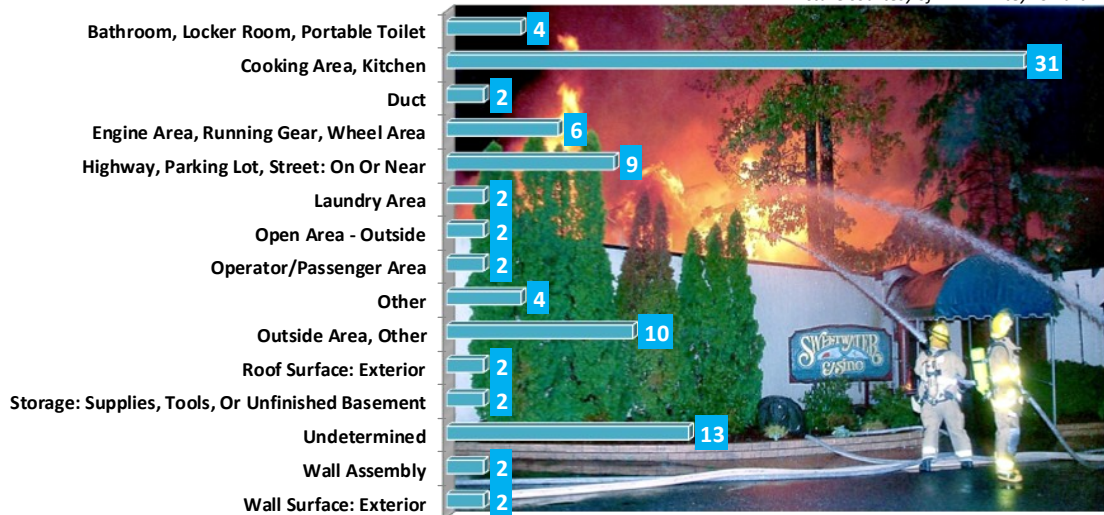
## MOST FREQUENT FIRE INCIDENT TYPES

Picture courtesy of H.J. "Whitey" Swartz



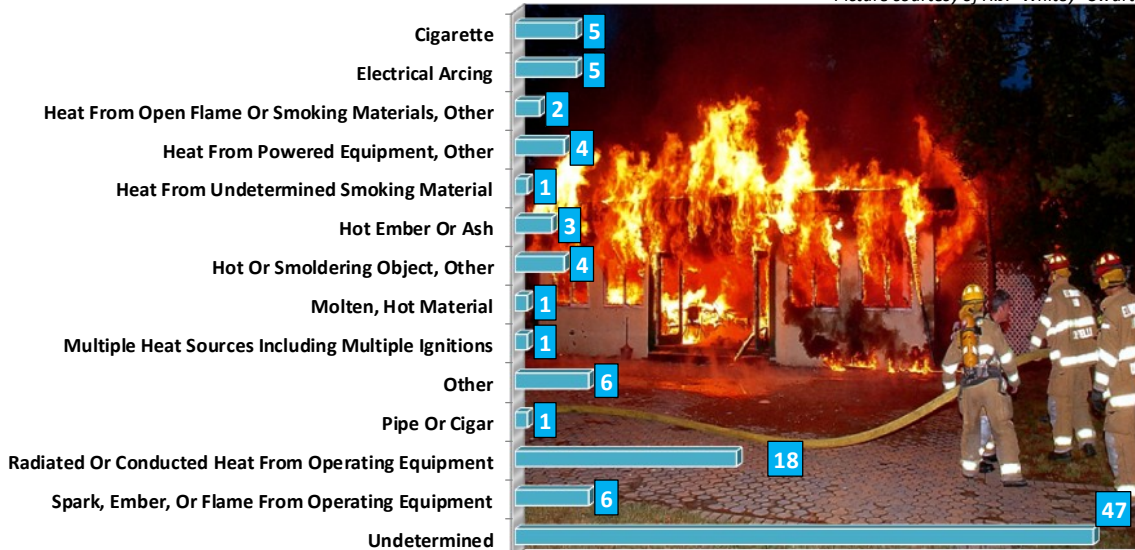
## MOST FREQUENT AREAS OF FIRE ORIGIN

Picture courtesy of H.J. "Whitey" Swartz

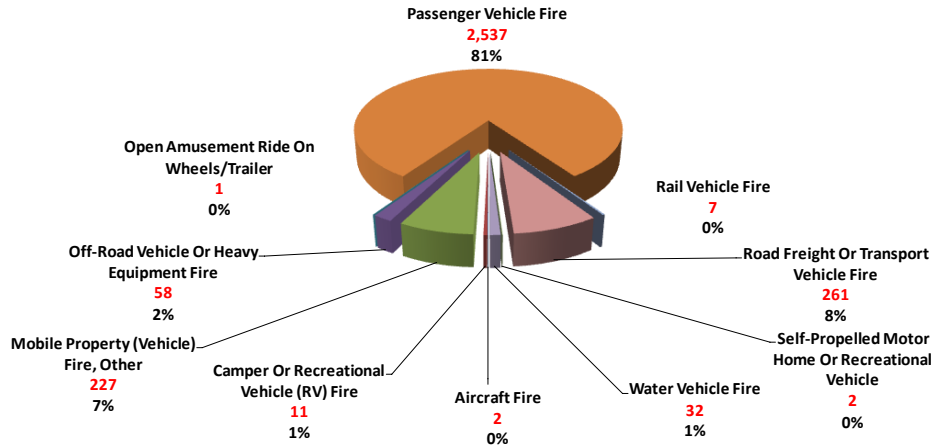


## HEAT SOURCES OF FIRES

Picture courtesy of H.J. "Whitey" Swartz



# VEHICLE FIRES



	VEHICLE FIRES BY COUNTY AND DOLLAR LOSS			
	COUNTY	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
<b>PASSENGER VEHICLES</b>	Atlantic	90	\$98,500.00	\$32,000.00
	Bergen	161	\$196,250.00	\$9,000.00
	Burlington	147	\$187,000.00	\$1,250.00
	Camden	288	\$100,000.00	\$1,200.00
	Cape May	27	\$22,000.00	\$700.00
	Cumberland	66	\$188,854.00	\$5,289.00
	Essex	323	\$47,001.00	\$33,601.00
	Gloucester	85	\$75,465.00	\$1,500.00
	Hudson	156	\$56,504.00	\$0.00
	Hunterdon	42	\$75,550.00	\$0.00
	Mercer	109	\$22,561.00	\$1.00
	Middlesex	154	\$101,302.00	\$23,652.00
	Monmouth	179	\$92,300.00	\$10,000.00
	Morris	98	\$233,300.00	\$9,500.00
	Ocean	138	\$12,101.00	\$100.00
	Passaic	130	\$271,600.00	\$8,300.00
	Salem	23	\$120,000.00	\$12,000.00
	Somerset	63	\$36,650.00	\$7,450.00
	Sussex	26	\$100,500.00	\$1,450.00
	Union	198	\$360,300.00	\$14,000.00
Warren	34	\$12,200.00	\$1,700.00	
<b>TOTAL</b>	<b>2,537</b>	<b>\$2,409,938.00</b>	<b>\$172,693.00</b>	

	VEHICLE FIRES BY COUNTY AND DOLLAR LOSS			
	COUNTY	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
<b>ALL OTHER VEHICLES</b>	Atlantic	34	\$116,701.00	\$5,001.00
	Bergen	46	\$500.00	\$500.00
	Burlington	37	\$755,000.00	\$0.00
	Camden	25	\$3,500.00	\$500.00
	Cape May	11	\$58,000.00	\$0.00
	Cumberland	19	\$303,700.00	\$100.00
	Essex	66	\$5,500.00	\$6,500.00
	Gloucester	13	\$0.00	\$0.00
	Hudson	28	\$10,002.00	\$0.00
	Hunterdon	24	\$82,000.00	\$0.00
	Mercer	25	\$65,000.00	\$0.00
	Middlesex	47	\$25,001.00	\$1.00
	Monmouth	42	\$51,001.00	\$1,001.00
	Morris	19	\$92,701.00	\$201.00
	Ocean	35	\$36,000.00	\$0.00
	Passaic	19	\$2,100.00	\$600.00
	Salem	7	\$0.00	\$5,000.00
	Somerset	12	\$0.00	\$0.00
	Sussex	15	\$0.00	\$0.00
	Union	49	\$109,500.00	\$2,500.00
Warren	28	\$4,900.00	\$3,950.00	
<b>TOTAL</b>	<b>601</b>	<b>\$1,721,106.00</b>	<b>\$25,854.00</b>	

	CAUSE OF IGNITION			
	CAUSE OF IGNITION	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
<b>PASSENGER VEHICLES</b>	Act Of Nature	4	\$0.00	\$0.00
	Cause Under Investigation	467	\$295,812.00	\$51,552.00
	Cause Undetermined After Investigation	56	\$215,975.00	\$18,500.00
	Failure Of Equipment Or Heat Source	481	\$465,302.00	\$10,750.00
	Information Not Provided By Fire Department	39	\$1,200.00	\$1,200.00
	Intentional	42	\$37,500.00	\$6,500.00
	Undetermined	639	\$664,945.00	\$25,690.00
	Unintentional	809	\$729,204.00	\$58,501.00
	<b>TOTAL</b>	<b>2,537</b>	<b>\$2,409,938.00</b>	<b>\$172,693.00</b>

	CAUSE OF IGNITION			
	CAUSE OF IGNITION	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
<b>ALL OTHER VEHICLES</b>	Act Of Nature	1	\$0.00	\$0.00
	Cause Under Investigation	96	\$869,251.00	\$601.00
	Cause Undetermined After Investigation	10	\$38,000.00	\$1,000.00
	Failure Of Equipment Or Heat Source	150	\$221,002.00	\$5,602.00
	Information Not Provided By Fire Department	10	\$3,900.00	\$3,900.00
	Intentional	14	\$90,000.00	\$4,000.00
	Undetermined	130	\$432,001.00	\$1,201.00
	Unintentional	190	\$66,952.00	\$9,550.00
	<b>TOTAL</b>	<b>601</b>	<b>\$1,721,106.00</b>	<b>\$25,854.00</b>

# VEHICLE FIRES

PASSENGER VEHICLES	MOST FREQUENT AREA OF FIRE ORIGIN	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
	Cargo/Trunk Area	55	\$2,000.00	\$1,000.00
	Engine Area, Running Gear, Wheel Area	1,409	\$1,375,045.00	\$99,690.00
	Exterior, Exposed Surface	57	\$77,525.00	\$4,000.00
	Fuel Tank, Fuel Line	33	\$15,500.00	\$11,000.00
	Highway, Parking Lot, Street: On Or Near	38	\$10,001.00	\$1,001.00
	Information Not Provided By Fire Department	39	\$1,200.00	\$1,200.00
	Operator/Passenger Area	230	\$331,810.00	\$9,850.00
	Other	45	\$2.00	\$1.00
	Outside Area, Other	20	\$24,501.00	\$500.00
	Undetermined	399	\$496,351.00	\$41,951.00
	Vehicle Area, Other	189	\$46,003.00	\$2,000.00
	<b>TOTAL</b>	<b>2,514</b>	<b>\$2,379,938.00</b>	<b>\$172,193.00</b>

ALL OTHER VEHICLES	MOST FREQUENT AREA OF FIRE ORIGIN	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
	Cargo/Trunk Area	36	\$11,101.00	\$600.00
	Engine Area, Running Gear, Wheel Area	271	\$391,950.00	\$500.00
	Exterior, Exposed Surface	32	\$5,500.00	\$50.00
	Fuel Tank, Fuel Line	8	\$0.00	\$0.00
	Highway, Parking Lot, Street: On Or Near	7	\$8,000.00	\$9,000.00
	Information Not Provided By Fire Department	10	\$3,900.00	\$3,900.00
	Operator/Passenger Area	27	\$55,002.00	\$4,001.00
	Other	17	\$30,000.00	\$1,000.00
	Outside Area, Other	12	\$3,000.00	\$500.00
	Undetermined	107	\$444,751.00	\$301.00
	Vehicle Area, Other	42	\$766,001.00	\$1,001.00
	<b>TOTAL</b>	<b>569</b>	<b>\$1,719,205.00</b>	<b>\$20,853.00</b>

PASSENGER VEHICLES	MOST FREQUENT HEAT SOURCE	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
	Electrical Arcing	170	\$82,051.00	\$5,051.00
	Heat From Direct Flame, Convection Currents	18	\$167,475.00	\$2,500.00
	Heat From Powered Equipment, Other	195	\$120,002.00	\$17,000.00
	Heat, Spark From Friction	40	\$17,000.00	\$0.00
	Hot Ember Or Ash	17	\$8,500.00	\$0.00
	Hot Or Smoldering Object, Other	60	\$1,000.00	\$500.00
	Information Not Provided By Fire Department	39	\$1,200.00	\$1,200.00
	Multiple Heat Sources Including Multiple Ignitions	16	\$13,300.00	\$0.00
	Other	64	\$24,003.00	\$1,001.00
	Radiated Or Conducted Heat From Operating Equipment	157	\$173,100.00	\$14,850.00
	Spark, Ember, Or Flame From Operating Equipment	64	\$96,500.00	\$800.00
	Undetermined	1,612	\$1,622,807.00	\$127,791.00
<b>TOTAL</b>	<b>2,452</b>	<b>\$2,326,938.00</b>	<b>\$170,693.00</b>	

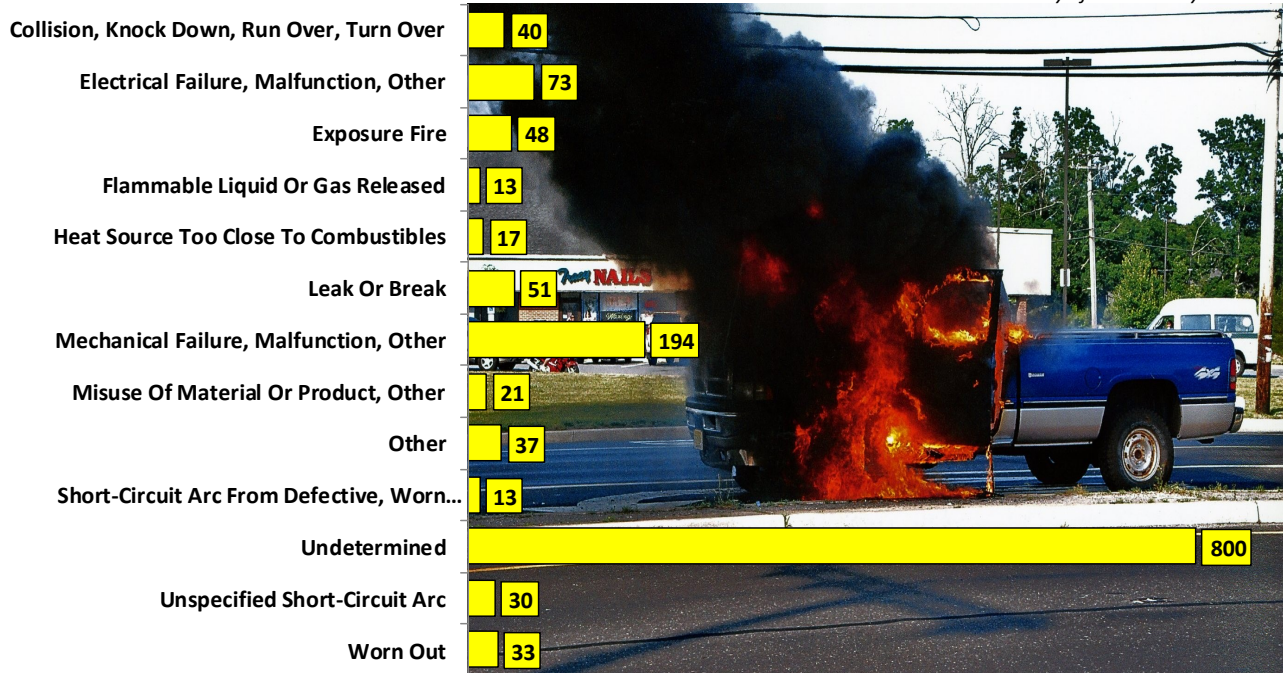
ALL OTHER VEHICLES	MOST FREQUENT HEAT SOURCE	INCIDENTS	PROPERTY LOSS	CONTENTS LOSS
	Backfire From Internal Combustion Engine	7	\$0.00	\$0.00
	Electrical Arcing	46	\$15,600.00	\$3,600.00
	Heat From Direct Flame, Convection Currents	4	\$8,000.00	\$0.00
	Heat From Powered Equipment, Other	55	\$94,001.00	\$6,501.00
	Heat, Spark From Friction	32	\$117,000.00	\$500.00
	Hot Or Smoldering Object, Other	20	\$2,900.00	\$0.00
	Information Not Provided By Fire Department	10	\$3,900.00	\$3,900.00
	Molten, Hot Material	4	\$1,000.00	\$0.00
	Other	26	\$30,500.00	\$1,000.00
	Radiated Or Conducted Heat From Operating Equipment	53	\$20,750.00	\$50.00
	Spark, Ember, Or Flame From Operating Equipment	13	\$2,000.00	\$0.00
	Undetermined	309	\$1,368,255.00	\$5,803.00
<b>TOTAL</b>	<b>579</b>	<b>\$1,663,906.00</b>	<b>\$21,354.00</b>	

# VEHICLE FIRES

## MOST FREQUENT FACTORS CONTRIBUTING TO IGNITION

### PASSENGER VEHICLE FIRES

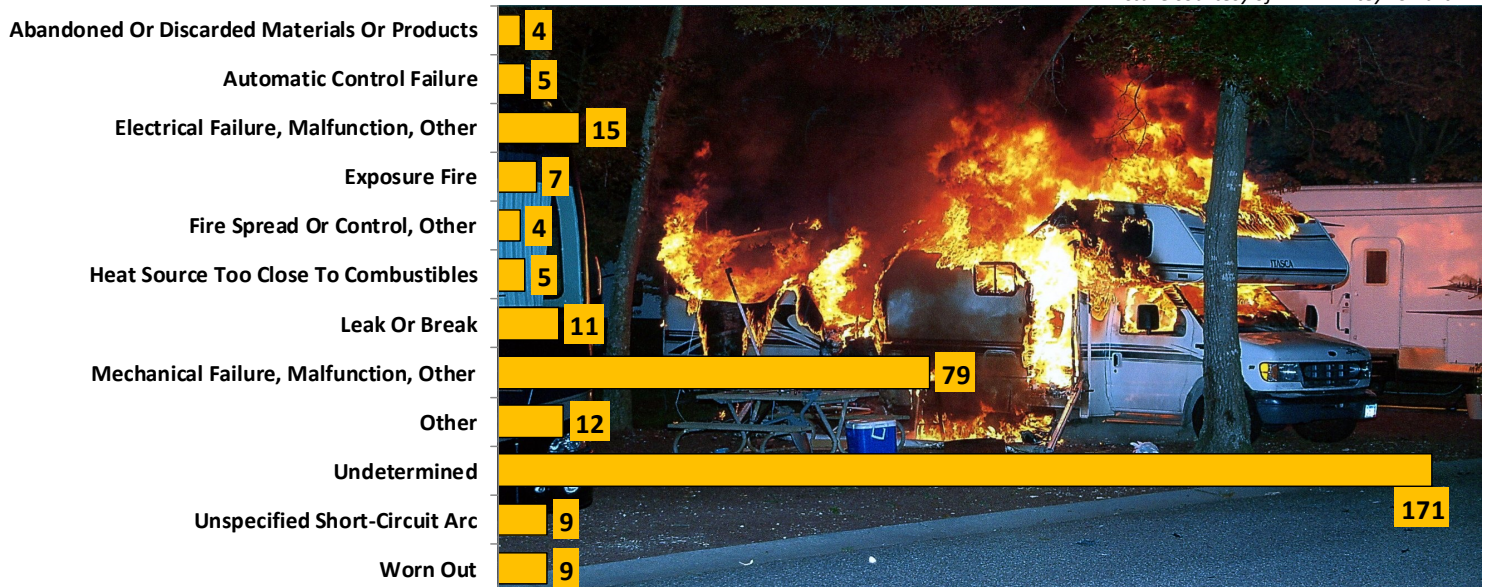
Picture courtesy of H.J. "Whitey" Swartz



## MOST FREQUENT FACTORS CONTRIBUTING TO IGNITION

### ALL OTHER VEHICLE FIRES

Picture courtesy of H.J. "Whitey" Swartz



# WILDLAND FIRES

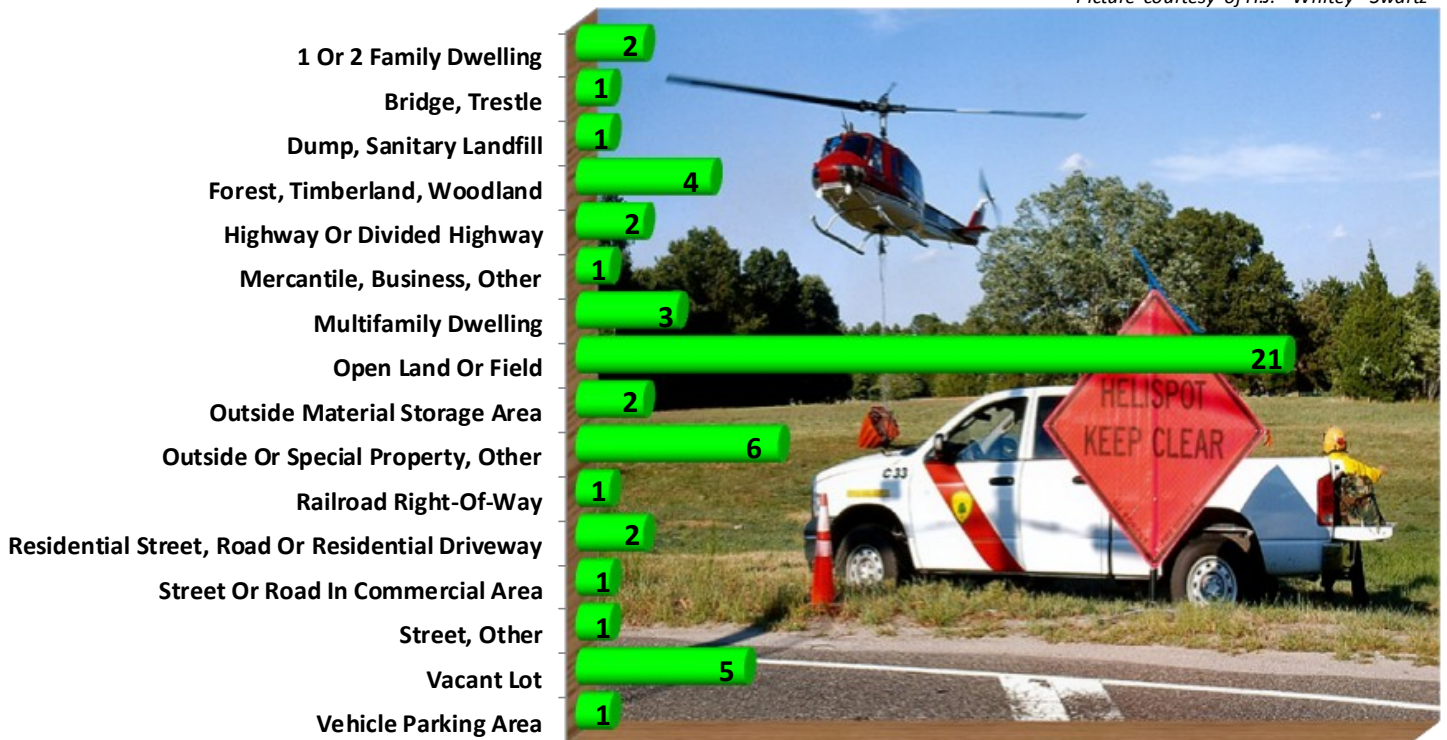
## ACRES BURNED

Picture By Heather Allen



## PROPERTY USES INVOLVED WHEN ONE OR MORE ACRES BURNED BY TOTAL INCIDENTS

Picture courtesy of H.J. "Whitey" Swartz





# WILDLAND FIRES

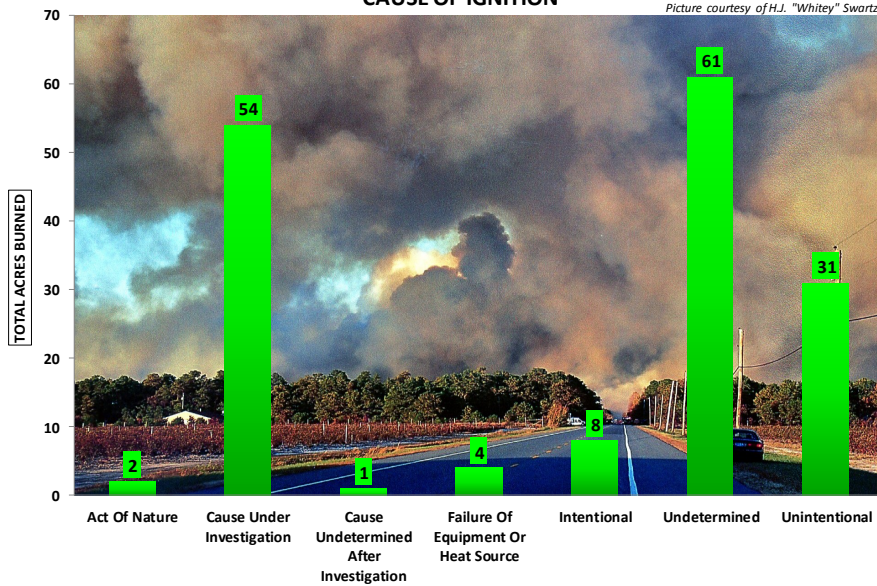
## TOTAL ACRES BURNED BY INCIDENT TYPE

Picture courtesy of H.J. "Whitey" Swartz



## CAUSE OF IGNITION

Picture courtesy of H.J. "Whitey" Swartz



## TOTAL ACRES BURNED BY COUNTY

Picture courtesy of H.J. "Whitey" Swartz



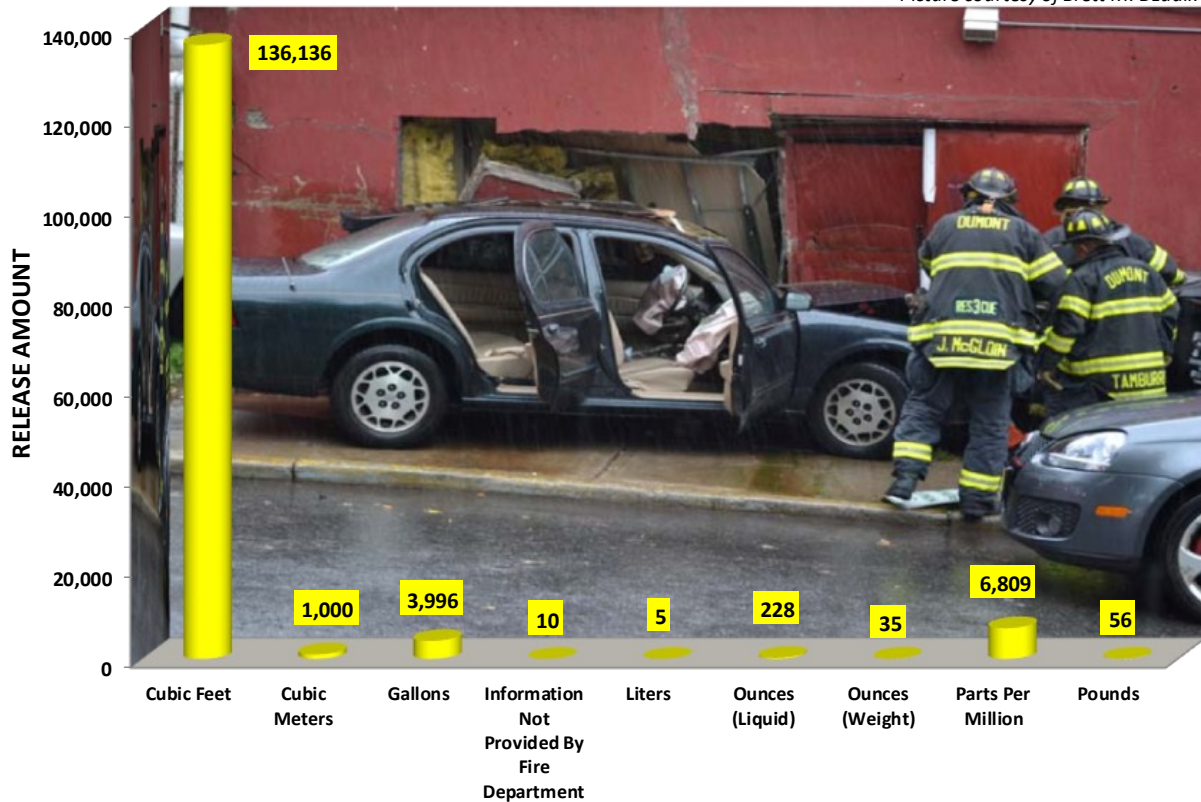
# HAZARDOUS MATERIALS RELEASES

**CONTAINER TYPES INVOLVED IN HAZARDOUS MATERIALS RELEASE INCIDENTS  
AND TYPE OF ENVIRONMENT HAZARDOUS MATERIALS RELEASED INTO**

CONTAINER TYPE	AIR	AIR AND GROUND	AIR, WATER, AND GROUND	CONFINED, NO ENVIRONMENTAL IMPACT	GROUND	INFORMATION NOT PROVIDED BY FIRE DEPARTMENT	WATER	WATER AND GROUND	TOTAL
Box Or Carton	1			1					2
Can Or Bottle		2	1	2	3	2			10
Container Type, Other	4			1		1		1	7
Cylinder	6								6
Drum		1		1	3			1	6
Fixed Container, Other				12	2				14
Hose		1	1	3	5			1	11
Information Not Provided By Fire Department	6			2	9	37	1	2	57
Machinery Or Process Equipment	47	1	3	278	8			6	343
Mobile Container, Other				1	3				4
Natural Container, Other								1	1
None	10				1				11
Pipe Or Pipeline	50	9		1	1	1		1	63
Piping Associated With Mobile Product Tank Loading Or Offload	1								1
Portable Container, Other	2	2	4	3	9				20
Product Tank On Or Towed By Vehicle				10					10
Tank Or Silo	2	4	2	15	13			5	41
Undetermined	3		3	8	3		1	1	19
Vehicle Fuel Tank And Associated Piping		2		4	20	1	1	1	29
<b>TOTAL</b>	<b>132</b>	<b>22</b>	<b>14</b>	<b>342</b>	<b>80</b>	<b>42</b>	<b>3</b>	<b>20</b>	<b>655</b>

## RELEASE AMOUNT TOTALS OF HAZARDOUS MATERIALS

Picture courtesy of Brett M. Dzadik

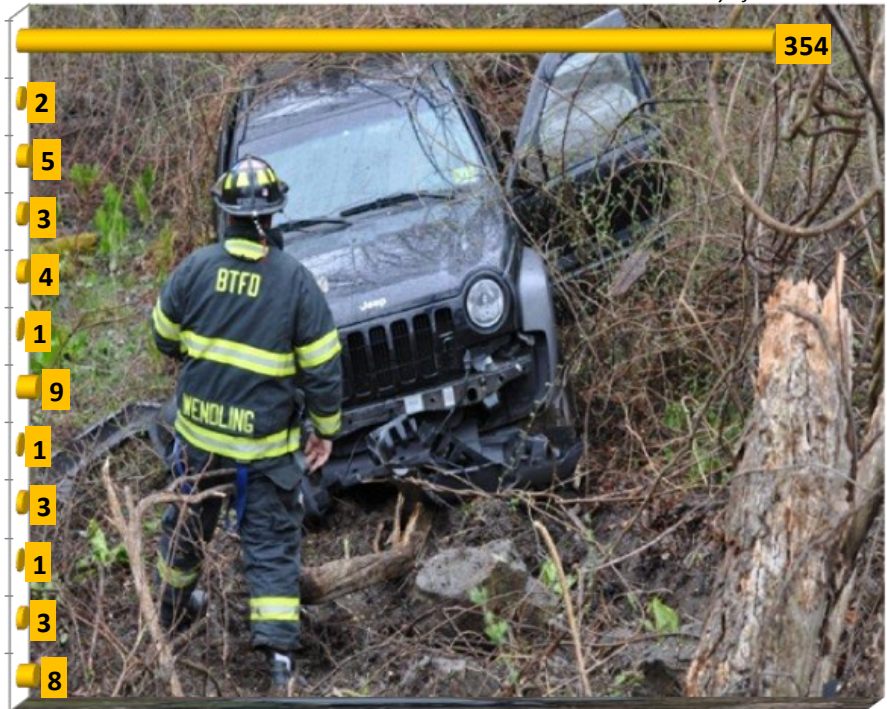


# HAZARDOUS MATERIALS RELEASES

## MOBILE PROPERTIES INVOLVED IN HAZARDOUS MATERIALS INCIDENTS

Picture courtesy of Jackie Pellek

- Automobile, Passenger Car, Ambulance, Race Car **354**
- Construction Vehicle **2**
- Freight Road Transport Vehicle, Other **5**
- Garbage, Waste, Refuse Truck **3**
- General Use Truck, Dump Truck, Fire Apparatus **4**
- Loader - Industrial, Fork Lift, Tow Motor, Stacker **1**
- Motorcycle, Trail Bike **9**
- Off-Road Recreational Vehicle **1**
- Passenger Road Vehicle, Other **3**
- Pickup Truck, Hauling Rig (Non-Motorized) **1**
- Tank Truck - Flammable Or Combustible Liquid **3**
- Trailer - Semi, Designed For Freight **8**

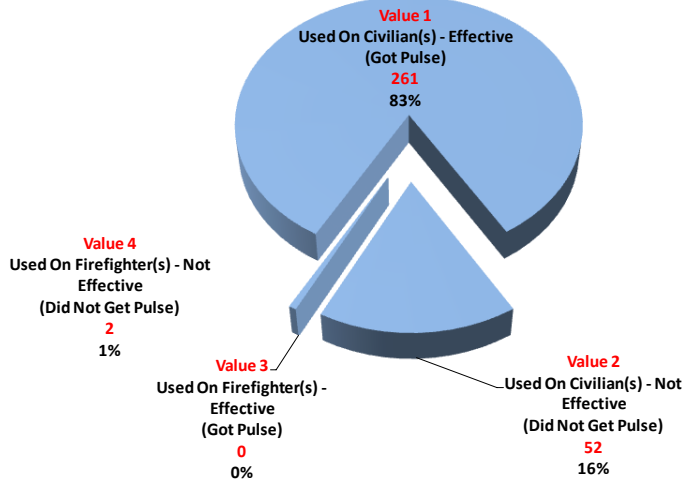


INCIDENT TYPES AT WHICH HAZARDOUS MATERIALS RELEASES OCCURRED	FREQUENCY
Air Or Gas Rupture Of Pressure Or Process Vessel	1
Biological Hazard, Confirmed Or Suspected	1
Building Fire	7
Carbon Monoxide Incident	33
Chemical Hazard (No Spill Or Leak)	6
Chemical Spill Or Leak	17
Combustible/Flammable Gas/Liquid Condition, Other	4
Fuel Burner/Boiler Malfunction, Fire Confined	3
Gas Leak (Natural Gas Or Lpg)	106
Gasoline Or Other Flammable Liquid Spill	63
Hazardous Condition, Other	4
Mobile Property (Vehicle) Fire, Other	1
Motor Vehicle Accident With Injuries	205
Motor Vehicle Accident With No Injuries	96
Motor Vehicle/Pedestrian Accident (Mv Ped)	1
Oil Or Other Combustible Liquid Spill	58
Outside Gas Or Vapor Combustion Explosion	1
Overpressure Rupture From Air Or Gas, Other	1
Overpressure Rupture Of Air Or Gas Pipe/Pipeline	1
Passenger Vehicle Fire	39
Radioactive Condition, Other	1
Refrigeration Leak	2
Special Outside Fire, Other	1
Toxic Condition, Other	2
Vehicle Accident, General Cleanup	1
<b>TOTAL</b>	<b>655</b>

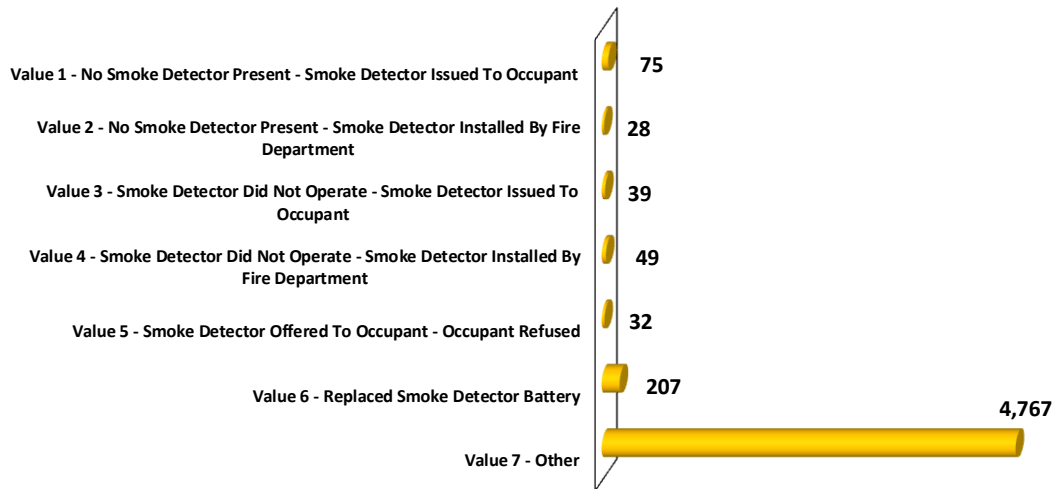
MOST FREQUENT HAZARDOUS MATERIAL/CHEMICAL RELEASES	OCCURRENCE OF RELEASE	SUM OF RELEASE AMOUNT	UNIT TYPE OF RELEASE AND AMOUNT
Anti Freeze	141	300	Gallons = 300
Carbon Monoxide	35	34,402	Cubic Feet = 27,616 Parts Per Million = 6,786
Diesel	25	1,087	Gallons = 1,087
Engine Oil	166	213	Gallons = 192 Liters = 3 Ounces (Liquid) = 18
Gasoline	89	949	Gallons = 839 Ounces (Liquid) = 108
Natural Gas	94	99,122	Cubic Feet = 98,099 Cubic Meters = 1,000 Ounces (Liquid) = 1 Parts Per Million = 22
Transmission Fluid	13	26	Gallons = 26
<b>TOTAL</b>	<b>563</b>	<b>136,099</b>	

# SPECIAL STUDIES

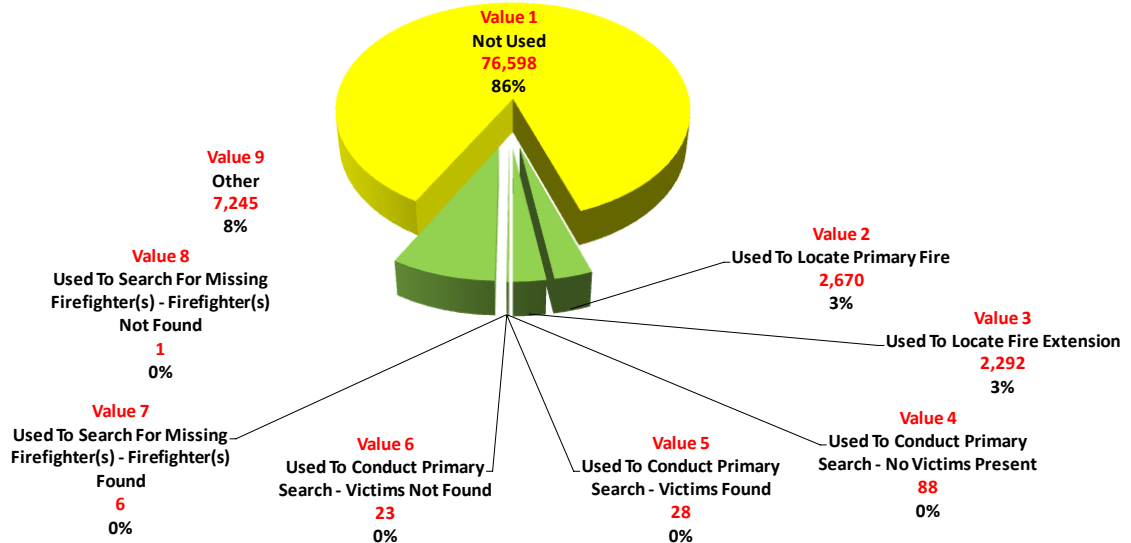
**AUTOMATIC EXTERNAL DEFIBRILLATOR SPECIAL STUDY- 7000**



**SMOKE DETECTOR SPECIAL STUDY- 6100**



**THERMAL IMAGING CAMERA SPECIAL STUDY- 6000**





**NJ DIVISION OF FIRE SAFETY  
OFFICE OF THE STATE FIRE MARSHAL  
ARSON / K-9 UNIT**



**2011 MONTHLY INVESTIGATION STATISTICAL REPORT**

CLASSIFICATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
COMPLAINT/INSPECTION	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIGIN & CAUSE INVEST.	7	8	5	9	7	12	7	5	7	6	5	2	80
ORIGIN & CAUSE W/CIV. INJ.	0	1	2	0	1	0	0	0	1	2	0	0	7
ORIGIN & CAUSE W/CIV. FAT.	0	3	0	1	0	0	1	0	1	0	0	3	9
ORIGIN & CAUSE W/FF. INJ.	2	2	0	0	0	0	0	0	0	1	0	0	5
ORIGIN & CAUSE W/FF. FAT.	0	0	0	0	0	0	0	0	0	0	0	0	0
FF INJURY	3	7	8	4	2	4	9	2	1	7	0	2	49
FF FATALITY	0	0	0	0	0	0	0	0	0	1	1	0	2
K-9 ACCELERANT DETECTION	1	3	2	1	2	5	5	1	3	1	2	2	28
ORIGIN & CAUSE WITH K-9	4	3	3	1	0	1	1	2	2	1	3	0	21
SPECIAL INVESTIGATION	0	0	0	1	1	0	0	0	1	0	0	0	3
CANCELLED ENROUTE	2	2	0	0	0	1	0	0	0	0	0	1	6
<b>TOTAL</b>	<b>19</b>	<b>29</b>	<b>19</b>	<b>17</b>	<b>13</b>	<b>23</b>	<b>23</b>	<b>10</b>	<b>16</b>	<b>19</b>	<b>11</b>	<b>10</b>	<b>210</b>

FIRES BY CAUSE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ACCIDENTAL	10	12	4	3	4	4	5	2	8	4	2	2	60
INCENDIARY	3	5	2	2	4	7	5	6	5	4	4	2	49
NATURAL	0	0	0	0	1	0	1	0	0	0	0	0	2
UNDETERMINED	3	5	6	3	1	7	3	0	1	3	4	3	39

INVESTIGATOR STATISTICS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TRAINING HOURS	16	24	48	22	72	24	32	42	22	24	16	32	374
K-9 DEMONSTRATIONS	2	2	7	10	3	2	5	2	5	12	4	2	56



# INCIDENT TYPE CODES

**FIRE.** Includes fires out on arrival and gas vapor explosions (with extremely rapid combustion).

## ***Structure fire***

- 111** Building fire. Excludes confined fires (113–118).
- 112** Fire in structure, other than in a building. Included are fires on or in piers, quays, or pilings; tunnels or underground connecting structures; bridges, trestles, or overhead elevated structures; transformers, power or utility vaults or equipment; fences; and tents.
- 113** Cooking fire involving the contents of a cooking vessel without fire extension beyond the vessel.
- 114** Chimney or flue fire originating in and confined to a chimney or flue. Excludes fires that extend beyond the chimney (111 or 112).
- 115** Incinerator overload or malfunction, but flames cause no damage outside the incinerator.
- 116** Fuel burner/boiler, delayed ignition or malfunction, where flames cause no damage outside the fire box.
- 117** Commercial compactor fire, confined to contents of compactor. Excluded are home trash compactors.
- 118** Trash or rubbish fire in a structure, with no flame damage to structure or its contents.

## ***Fire in mobile property used as a fixed structure. Includes mobile homes, motor homes, camping trailers.***

- 121** Fire in mobile home used as a fixed residence. Includes mobile homes when not in transit and used as a structure for residential purposes; and manufactured homes built on a permanent chassis.
- 122** Fire in a motor home, camper, or recreational vehicle when used as a structure. Includes motor homes when not in transit and used as a structure for residential purposes.
- 123** Fire in a portable building, when used at a fixed location. Includes portable buildings used for commerce, industry, or education and trailers used for commercial purposes.
- 123A** Fire in a mobile building used as an amusement ride. (Enclosed rides/amusements on wheels in a fixed location, such as dark rides or funhouses, mounted on a trailer.)
- 120** Fire in mobile property used as a fixed structure, other.

## ***Mobile property (vehicle) fire. Excludes mobile properties used as a structure (120 series). If a vehicle fire occurs on a bridge and does not damage the bridge, it should be classified as a vehicle fire.***

- 131** Passenger vehicle fire. Includes any motorized passenger vehicle, other than a motor home (136) (e.g., pickup trucks, sport utility vehicles, buses).
- 132** Road freight or transport vehicle fire. Includes commercial freight hauling vehicles and contractor vans or trucks. Examples are moving trucks, plumber vans, and delivery trucks.
- 133** Rail vehicle fire. Includes all rail cars, including intermodal containers and passenger cars that are mounted on a rail car.
- 134** Water vehicle fire. Includes boats, barges, hovercraft, and all other vehicles designed for navigation on water.
- 135** Aircraft fire. Includes fires originating in or on an aircraft, regardless of use.
- 136** Self-propelled motor home or recreational vehicle. Includes only self-propelled motor homes or recreational vehicles when being used in a transport mode. Excludes those used for normal residential use (122).
- 137** Camper or recreational vehicle (RV) fire, not self-propelled. Includes trailers. Excludes RVs on blocks or used regularly as a fixed building (122) and the vehicle towing the camper or RV or the campers mounted on pickups (131).
- 137A** Open amusement ride on wheels/trailer. (Fire in an open amusement ride that is on wheels or trailer mounted, used in a fixed location.)
- 138** Off-road vehicle or heavy equipment fire. Includes dirt bikes, specialty off-road vehicles, earth-moving equipment (bulldozers), and farm equipment.
- 130** Mobile property (vehicle) fire, other.

## ***Natural vegetation fire. Excludes crops or plants under cultivation (see 170 series).***

- 141** Forest, woods, or wildland fire. Includes fires involving vegetative fuels, other than prescribed fire (632), that occur in an area in which development is essentially nonexistent, except for roads, railroads, power lines, and the like. Also includes forests managed for lumber production and fires involving elevated fuels such as tree branches and crowns. Excludes areas in cultivation for agricultural purposes such as tree farms or crops (17x series).
- 142** Brush or brush-and-grass mixture fire. Includes ground fuels lying on or immediately above the ground such as duff, roots, dead leaves, fine dead wood, and downed logs.
- 142M** Mulch fire.
- 143** Grass fire. Includes fire confined to area characterized by grass ground cover, with little or no involvement of other ground fuels; otherwise, see 142.
- 140** Natural vegetation fire, other.

# INCIDENT TYPE CODES

**Outside rubbish fire.** Includes all rubbish fires outside a structure or vehicle.

**151** Outside rubbish, trash, or waste fire not included in 152–155. Excludes outside rubbish fires in a container or receptacle (154).

**152** Garbage dump or sanitary landfill fire.

**153** Construction or demolition landfill fire.

**154** Dumpster or other outside trash receptacle fire. Includes waste material from manufacturing or other production processes. Excludes materials that are not rubbish or have salvage value (161 or 162).

**155** Outside stationary compactor or compacted trash fire. Includes fires where the only material burning is rubbish. Excludes fires where the compactor is damaged (162).

**150** Outside rubbish fire, other.

**Special outside fire.** Includes outside fires with definable value. Excludes crops and orchards (170 series).

**161** Outside storage fire on residential or commercial/industrial property, not rubbish. Includes recyclable materials at dropoff points.

**162** Outside equipment fire. Includes outside trash compactors, outside HVAC units, and irrigation pumps. Excludes special structures (110 series) and mobile construction equipment (130 series).

**163** Outside gas or vapor combustion explosion without sustained fire.

**164** Outside mailbox fire. Includes dropoff boxes for delivery services.

**160** Special outside fire, other.

**Cultivated vegetation, crop fire**

**171** Cultivated grain or crop fire. Includes fires involving corn, wheat, soybeans, rice, and other plants before harvest.

**172** Cultivated orchard or vineyard fire.

**173** Cultivated trees or nursery stock fire. Includes fires involving Christmas tree farms and plants under cultivation for transport off-site for ornamental use.

**170** Cultivated vegetation, crop fire, other.

**Fire, other**

**100** Fire, other.

**OVERPRESSURE, RUPTURE, EXPLOSION, OVERHEAT (NO FIRE).** Excludes steam mistaken for smoke.

**Overpressure rupture from steam (no ensuing fire)**

**211** Overpressure rupture of steam pipe or pipeline.

**212** Overpressure rupture of steam boiler.

**213** Overpressure rupture of pressure or process vessel from steam.

**210** Overpressure rupture from steam, other.

**Overpressure rupture from air or gas (no ensuing fire).** Excludes steam or water vapor.

**221** Overpressure rupture of air or gas pipe or pipeline.

**222** Overpressure rupture of boiler from air or gas. Excludes steam-related overpressure ruptures.

**223** Overpressure rupture of pressure or process vessel from air or gas, not steam.

**220** Overpressure rupture from air or gas, other.

**Overpressure rupture from chemical reaction (no ensuing fire)**

**231** Overpressure rupture of pressure or process vessel from a chemical reaction.

**Explosion (no fire)**

**241** Munitions or bomb explosion (no fire). Includes explosions involving military ordnance, dynamite, nitroglycerin, plastic explosives, propellants, and similar agents with a UN classification 1.1 or 1.3. Includes primary and secondary high explosives.

**242** Blasting agent explosion (no fire). Includes ammonium nitrate and fuel oil (ANFO) mixtures and explosives with a UN Classification 1.5 (also known as blasting agents).

**243** Fireworks explosion (no fire). Includes all classes of fireworks.

**240** Explosion (no fire), other.

**Excessive heat, scorch burns with no ignition**

**251** Excessive heat, overheat scorch burns with no ignition. Excludes lightning strikes with no ensuing fire (814).

**Overpressure rupture, explosion, overheat, other**

**200** Overpressure rupture, explosion, overheat, other.

# INCIDENT TYPE CODES

## RESCUE AND EMERGENCY MEDICAL SERVICE INCIDENT

### *Medical assist*

**311** Medical assist. Includes incidents where medical assistance is provided to another group/agency that has primary EMS responsibility. (Example, providing assistance to another agency-assisting EMS with moving a heavy patient.)

### *Emergency medical service incident*

**321** EMS call. Includes calls when the patient refuses treatment. Excludes vehicle accident with injury (322) and pedestrian struck (323).

**322** Motor vehicle accident with injuries. Includes collision with other vehicle, fixed objects, or loss of control resulting in leaving the roadway.

**323** Motor vehicle/pedestrian accident (MV Ped). Includes any motor vehicle accident involving a pedestrian injury.

**324** Motor vehicle accident with no injuries.

### *Lock-In*

**331** Lock-in. Includes opening locked vehicles and gaining entry to locked areas for access by caretakers or rescuers, such as a child locked in a bathroom. Excludes lock-outs (511).

### *Search for lost person*

**341** Search for person on land. Includes lost hikers and children, even where there is an incidental search of local bodies of water, such as a creek or river.

**342** Search for person in water. Includes shoreline searches incidental to a reported drowning call.

**343** Search for person underground. Includes caves, mines, tunnels, and the like.

**340** Search for lost person, other.

### *Extrication, rescue*

**351** Extrication of victim(s) from building or structure, such as a building collapse. Excludes high-angle rescue (356).

**352** Extrication of victim(s) from vehicle. Includes rescues from vehicles hanging off a bridge or cliff.

**353** Removal of victim(s) from stalled elevator.

**354** Trench/below-grade rescue.

**355** Confined space rescue. Includes rescues from the interiors of tanks, including areas with potential for hazardous atmospheres such as silos, wells, and tunnels.

**356** High-angle rescue. Includes rope rescue and rescues off of structures.

**357** Extrication of victim(s) from machinery. Includes extrication from farm or industrial equipment.

**350** Extrication, rescue, other.

### *Water and ice-related rescue*

**361** Swimming/recreational water areas rescue. Includes pools and ponds. Excludes ice rescue (362).

**362** Ice rescue. Includes only cases where victim is stranded on ice or has fallen through ice.

**363** Swift-water rescue. Includes flash flood conditions.

**364** Surf rescue.

**365** Watercraft rescue. Excludes rescues near the shore and in swimming/recreational areas (361). Includes people falling overboard at a significant distance from land.

**360** Water and ice-related rescue, other.

### *Electrical rescue*

**371** Electrocution or potential electrocution. Excludes people trapped by power lines (372).

**372** Trapped by power lines. Includes people trapped by downed or dangling power lines or other energized electrical equipment.

**370** Electrical rescue, other.

### *Rescue or EMS standby*

**381** Rescue or EMS standby for hazardous conditions. Excludes aircraft standby (462).

### *Rescue, emergency medical service (EMS) incident, other*

**300** Rescue and EMS incident, other.



# INCIDENT TYPE CODES

## HAZARDOUS CONDITION (NO FIRE)

### *Combustible/flammable spills and leaks*

- 411 Gasoline or other flammable liquid spill (flash point below 100 degrees F at standard temperature and pressure (Class I)).
- 412 Gas leak (natural gas or LPG). Excludes gas odors with no source found (671).
- 413 Oil or other combustible liquid spill (flash point at or above 100 degrees F at standard temperature and pressure (Class II or III)).
- 410 Combustible and flammable gas or liquid spills or leaks, other.

### *Chemical release, reaction, or toxic condition*

- 421 Chemical hazard (no spill or leak). Includes the potential for spills or leaks.
- 422 Chemical spill or leak. Includes unstable, reactive, explosive material.
- 423 Refrigeration leak. Includes ammonia.
- 424 Carbon monoxide incident. Excludes incidents with nothing found (736 or 746).
- 420 Toxic chemical condition, other.

### *Radioactive condition*

- 431 Radiation leak, radioactive material. Includes release of radiation due to breaching of container or other accidental release.
- 430 Radioactive condition, other.

### *Electrical wiring/equipment problem*

- 441 Heat from short circuit (wiring), defective or worn insulation.
- 442 Overheated motor or wiring.
- 443 Breakdown of light ballast.
- 444 Power line down. Excludes people trapped by downed power lines (372).
- 445 Arcing, shorted electrical equipment.
- 440 Electrical wiring/equipment problem, other.

### *Biological hazard*

- 451 Biological hazard, confirmed or suspected.

### *Accident, potential accident*

- 461 Building or structure weakened or collapsed. Excludes incidents where people are trapped (351).
- 462 Aircraft standby. Includes routine standby for takeoff and landing as well as emergency alerts at airports.
- 463 Vehicle accident, general cleanup. Includes incidents where FD is dispatched after the accident to clear away debris. Excludes extrication from vehicle (352) and flammable liquid spills (411 or 413).
- 460 Accident, potential accident, other.

### *Explosive, bomb removal*

- 471 Explosive, bomb removal. Includes disarming, rendering safe, and disposing of bombs or suspected devices. Excludes bomb scare (721).

### *Attempted burning, illegal action*

- 481 Attempt to burn. Includes situations in which incendiary devices fail to function.
- 482 Threat to burn. Includes verbal threats and persons threatening to set themselves on fire. Excludes an attempted burning (481).
- 480 Attempted burning, illegal action, other.

### *Hazardous condition, other*

- 400 Hazardous condition (no fire), other.

# INCIDENT TYPE CODES

## SERVICE CALL

### *Person in distress*

- 511 Lock-out. Includes efforts to remove keys from locked vehicles. Excludes lock-ins (331).
- 512 Ring or jewelry removal, without transport to hospital. Excludes persons injured (321).
- 510 Person in distress, other.

### *Water problem*

- 521 Water (not people) evacuation. Includes the removal of water from basements. Excludes water rescues (360 series).
- 522 Water or steam leak. Includes open hydrant. Excludes overpressure ruptures (211).
- 520 Water problem, other.

### *Smoke, odor problem*

- 531 Smoke or odor removal. Excludes the removal of any hazardous materials.

### *Animal problem or rescue*

- 541 Animal problem. Includes persons trapped by an animal or an animal on the loose.
- 542 Animal rescue.
- 540 Animal problem or rescue, other.

### *Public service assistance*

- 551 Assist police or other governmental agency. Includes forcible entry and the provision of lighting.
- 552 Police matter. Includes incidents where FD is called to a scene that should be handled by the police.
- 553 Public service. Excludes service to governmental agencies (551 or 552).
- 554 Assist invalid. Includes incidents where the invalid calls the FD for routine help, such as assisting a person in returning to bed or chair, with no transport or medical treatment given.
- 555 Defective elevator, no occupants.
- 550 Public service assistance, other.

### *Unauthorized burning*

- 561 Unauthorized burning. Includes fires that are under control and not endangering property.

### *Cover assignment, standby at fire station, move-up*

- 571 Cover assignment, assist other fire agency such as standby at a fire station or move-up.

### *Service call, other*

- 500 Service call, other.

## GOOD INTENT CALL

### *Dispatched and canceled en route*

- 611 Dispatched and canceled en route. Incident cleared or canceled prior to arrival of the responding unit. If a unit arrives on the scene, fill out the applicable code.

### *Wrong location, no emergency found*

- 621 Wrong location. Excludes malicious false alarms (710 series).
- 622 No incident found on arrival at dispatch address.

### *Controlled burning*

- 631 Authorized controlled burning. Includes fires that are agricultural in nature and managed by the property owner. Excludes unauthorized controlled burning (561) and prescribed fires (632).
- 632 Prescribed fire. Includes fires ignited by management actions to meet specific objectives and have a written, approved prescribed fire plan prior to ignition. Excludes authorized controlled burning (631).

### *Vicinity alarm*

- 641 Vicinity alarm (incident in other location). For use only when an erroneous report is received for a legitimate incident. Includes separate locations reported for an actual fire and multiple boxes pulled for one fire.

# INCIDENT TYPE CODES

## ***Steam, other gas mistaken for smoke***

- 651 Smoke scare, odor of smoke, not steam (652). Excludes gas scares or odors of gas (671).
- 652 Steam, vapor, fog, or dust thought to be smoke.
- 653 Smoke from barbecue or tar kettle (no hostile fire).
- 650 Steam, other gas mistaken for smoke, other.

## ***EMS call where party has been transported***

- 661 EMS call where injured party has been transported by a non-fire service agency or left the scene prior to arrival.

## ***HazMat release investigation w/no HazMat found***

- 671 Hazardous material release investigation with no hazardous condition found. Includes odor of gas with no leak/gas found.
- 672 Biological hazard investigation with no hazardous condition found.

## ***Good intent call, other***

- 600 Good intent call, other.

## **FALSE ALARM AND FALSE CALL**

### ***Malicious, mischievous false alarm***

- 711 Municipal alarm system, malicious false alarm. Includes alarms transmitted on street fire alarm boxes.
- 712 Direct tie to fire department, malicious false alarm. Includes malicious alarms transmitted via fire alarm system directly tied to the fire department, not via dialed telephone.
- 713 Telephone, malicious false alarm. Includes false alarms transmitted via the public telephone network using the local emergency reporting number of the fire department or another emergency service agency.
- 714 Central station, malicious false alarm. Includes malicious false alarms via a central-station-monitored fire alarm system.
- 715 Local alarm system, malicious false alarm. Includes malicious false alarms reported via telephone or other means as a result of activation of a local fire alarm system.
- 710 Malicious, mischievous false alarm, other.

### ***Bomb scare***

- 721 Bomb scare (no bomb).

### ***System or detector malfunction. Includes improper performance of fire alarm system that is not a result of a proper system response to environmental stimuli such as smoke or high heat conditions.***

- 731 Sprinkler activated due to the failure or malfunction of the sprinkler system. Includes any failure of sprinkler equipment that leads to sprinkler activation with no fire present. Excludes unintentional operation caused by damage to the sprinkler system (740 series).
- 732 Extinguishing system activation due to malfunction.
- 733 Smoke detector activation due to malfunction.
- 734 Heat detector activation due to malfunction.
- 735 Alarm system activation due to malfunction.
- 736 Carbon monoxide detector activation due to malfunction.
- 730 System or detector malfunction, other.

### ***Unintentional system or detector operation (no fire). Includes tripping an interior device accidentally.***

- 741 Sprinkler activation (no fire), unintentional. Includes testing the sprinkler system without fire department notification.
- 742 Extinguishing system activation. Includes testing the extinguishing system without fire department notification.
- 743 Smoke detector activation (no fire), unintentional. Includes proper system responses to environmental stimuli such as non-hostile smoke.
- 744 Detector activation (no fire), unintentional. A result of a proper system response to environmental stimuli such as high heat conditions
- 745 Alarm system activation (no fire), unintentional.
- 746 Carbon monoxide detector activation (no carbon monoxide detected). Excludes carbon monoxide detector malfunction.
- 740 Unintentional transmission of alarm, other.

# INCIDENT TYPE CODES

## ***Biohazard scare***

**751** Biological hazard, malicious false report.

## ***False alarm and false call, other***

**700** False alarm or false call, other.

## **SEVERE WEATHER AND NATURAL DISASTER**

**811** Earthquake assessment, no rescue or other service rendered.

**812** Flood assessment. Excludes water rescue (360 series).

**813** Wind storm. Includes tornado, hurricane, or cyclone assessment. No other service rendered.

**814** Lightning strike (no fire). Includes investigation.

**815** Severe weather or natural disaster standby.

**800** Severe weather or natural disaster, other.

## **SPECIAL INCIDENT TYPE**

### ***Citizen complaint***

**911** Citizen's complaint. Includes reports of code or ordinance violation.

### ***Special type of incident, other***

**900** Special type of incident, other.