

FIRE DEATHS IN MARYLAND



**January - December
2014**

OFFICE OF THE STATE FIRE MARSHAL

FIRE DEATHS IN MARYLAND

January – December 2014

During 2014, there were 55 fires that resulted in 64 deaths in 16 of the 23 Maryland counties and Baltimore City. Those totals represent a 7 percent decrease over the 69 deaths reported during that time in 2013, as well as a 5 percent decrease over the number of fatal fires (58) reported that year.

Baltimore City - The 18 fire deaths in 14 fires in Baltimore City represent a welcomed 14 percent decrease over the 21 fire deaths in 18 fatal fires reported during 2013, and a 22 percent decrease in the number of fatal fires compared to the previous year. In 2014, Baltimore County reported two residential dwelling fires and four deaths attributed to cooking related incidences with one fire claiming the lives of three victims, ages 1 year, 4 years and 23 years, who were found in the second floor bedrooms. A total of three residential fires and three deaths were determined to be caused by electrical issues with the ages of the victims ranging from 43 to 74 years. Two separate careless smoking related fire incidents led to two deaths including one 47 year old male who was residing in an outside tent, and one 67 year old female who was residing in a single family dwelling. One residential dwelling fire caused by an unattended candle claimed the lives of two males, ages 21 and 57 years. Two fires, totaling three deaths, are undetermined at this time. One fire claimed the lives of two males, ages 7 and 8 years old. The victims of this mutli-fatal fire were found on the second floor, one in the rear bathroom and one in the front bedroom, with reports of activated smoke alarms. Another fire claimed the life of a 62 year old Fire Safety Officer who succumbed to smoke inhalation. The Fire Safety officer entered a vacant home adjacent to a dwelling fire incident and fell through the flooring to the basement. The victim was also a 41 year veteran of the fire department. Combustibles too close to a heat source was the cause of a fire that originated in a residential kitchen claiming the life of 74 year old male. Smoke alarms were present, but did not activate. One fire, and the one death of a 45 year old female, was attributed to possible suicide. Lastly, one fire lead to the death of a 52 year old male and was determined to be suspected arson/suicide.

Montgomery County - Montgomery County reported eight deaths in six fires during 2014, compared to four deaths in four fires in 2013 which is double the fire deaths and an increase of 50% in fires for the county. One multi-fatal residential fire was the result of an airplane crash which claimed the lives of a 36 year old mother and her two young children, 3 years old and 45 days old. Four fires and four deaths were reported as undetermined. Careless smoking resulted in the demise of a 66 year old male who was found in the master bedroom of a residential dwelling with reports of activated smoke alarms.

Baltimore County - Baltimore County reported five deaths in five fires in 2014 compared to five deaths in four fires in 2013. Despite no increase or decrease in the fatality rate for those two years, there was a 25 percent increase in the number of fires compared to 2013. A total of two fires and two deaths were caused by combustibles igniting while cooking. One fire resulted in the death of a 76 year male who caught his shirt on fire, and the other fire resulted in the death of a 93 year old female who caught her sleeve on fire. Arson/suicide was determined to be the cause of death for a 52 year old female who was found on the front porch of her home. An unattended candle caused a fire in a second floor bedroom of a residential dwelling resulting in the death of a 73 year old female despite activation of smoke alarms. A 75 year old male victim succumbed to his injuries after an electrical fire ignited a chair in his apartment.

Prince George's County - Five people lost their lives in five fires in Prince George's County during 2014, which was a significant decrease (67%) from the 15 fire deaths reported in 2013. Four people died in four separate undetermined residential fires with the victim's ages reported at 26, 65, 81 and 83 years. A 75 year old male perished in a travel trailer fire that was determined to be most likely related to the kerosene heating source.

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Wicomico County - During 2014, Wicomico County reported five fire deaths in three fires with two of the fires resulting in multi-fatal deaths. This is an increase compared to 2013 where there was one fire death in one fire reported. A residential electrical fire with the presence of non-working smoke alarms claimed the lives of a 41 year old female and a 66 year old male. A mobile home fire determined to be caused by careless smoking while oxygen was in use claimed the lives of a 65 year old male and a 61 year old female. Careless smoking was the cause of a residential fire that resulted in the death of a 65 year old male.

Carroll County - In Carroll County, four people died in four separate fires which is an increase compared to 2013 where there were two deaths reported in two separate fires. Two of the four 2014 fires remain undetermined. One fire involved a malfunctioning propane gas heater located in the basement of a residence claiming the life of an 82 year old female despite the presence of activated smoke alarms. A shed fire located behind a residential dwelling was determined to be caused by a propane gas leak/explosion that claimed the life of a 56 year old male.

Allegany County - In Allegany County during 2014, there were three reported fire deaths in two fires compared to 2013 where there was one death in one fire. An electrical malfunction in a baseboard heater was the cause of a fire which claimed the life of a 23 year old male who was residing in a college rental unit. An undetermined double-fatal fire which started in the living room claimed the lives of two young girls aged 3 years and 7 years.

Cecil County - In 2014, Cecil County reported three deaths in three unrelated fires compared to one death in 2013. A tractor-trailer crash and subsequent fire claimed the life of a 46 year old male. The misuse of a flammable liquid was determined to be the cause of a motor home fire resulting in the death of an 85 year old male. An undetermined cabin cruiser boat fire claimed the life of a 67 year old male.

Anne Arundel County - Anne Arundel County reported two deaths in two separate fires during 2014, a welcome decline from the four deaths and four fires during 2013. One residential fire that started in the bedroom was determined to be caused by a malfunctioning gas fireplace that claimed the life of a 62 year old male. The second fire death involved a 76 year old female victim who was initially found unconscious in a rear bedroom of a residential dwelling with activated smoke alarms, and subsequently the cause of that fire was later determined to be a malfunctioning oil-fired furnace located in the basement.

Kent County - During 2014, Kent County reported two fires and two deaths which resulted in an increase compared to no deaths reported in 2013. A 59 year old male succumbed to his injuries after coming too close to an electric space heater which caused his clothing to ignite. A residential dwelling fire determined to have been caused by an electrical malfunction, and with no reported presence of smoke alarms, claimed the life of an 84 year old female.

Washington County - In Washington County during 2014, two fire deaths in two unrelated fires were reported compared to two multi-fatal fire deaths in 2013. A cooking related apartment fire claimed the life of a 55 year old male who attempted to extinguish the fire before it raged out of control. A single vehicle crash caused a tractor trailer to burst into flames resulting in the death of a 59 year old male.

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Howard County - Howard County reported in 2014, three fire deaths in three separate fires compared to one fire death in 2013. An electrical malfunction complicated by hoarding conditions was determined to be the cause of a fire that claimed the life of a 50 year old female. An 84 year old male perished from an apparent arson/suicide after being observed behind an outbuilding on his property. An accidental fire, probably related to cooking, started in the kitchen of a residential dwelling and claimed the life of a 70 year old female.

Calvert County - Calvert County reported the death of one 63 year old man in a residential fire that was attributed to careless smoking. There were smoke alarms present, but they did not activate. This is a decrease compared to 2013 in which there were two deaths reported in two separate fires, and both incidents were also caused by careless smoking.

Queen Anne's County - Queen Anne's County reported one fire death in 2014 compared to no fire deaths in 2013. A 59 year old male perished in a travel trailer fire after accidentally igniting spilled kerosene, and subsequently igniting himself while trying to extinguish the fire.

Somerset County - In 2014, Somerset County reported one mobile home fire that claimed the life of a 64 year old male. Even though the fire investigation resulted in an undetermined cause, investigators strongly suspect carelessly discarded smoking materials as the probable fire source. During 2013, Somerset reported no fire deaths.

St. Mary's County - St. Mary's County reported one residential fire death in 2014 compared to one fire death in 2013. An 81 year old female victim perished in a residential fire with the cause determined to be combustibles coming in contact with a stove burner.

Caroline County - In Caroline County, there were no fire deaths reported in 2014, 2013 or 2012.

Charles County - During 2014, Charles County reported no fire fatalities which is a decrease when compared to 2013 as there was one fire death reported.

Dorchester County - Dorchester County reported no fire deaths in 2014 compared to one fire death in 2013.

Frederick County - In Frederick County, there were no fire deaths reported in 2014 resulting in a decrease compared to 2013 where there were three fire deaths in two fires reported.

Garrett County - During 2014, Garrett County reported no fire deaths compared to the report in 2013 where there was one fire fatality.

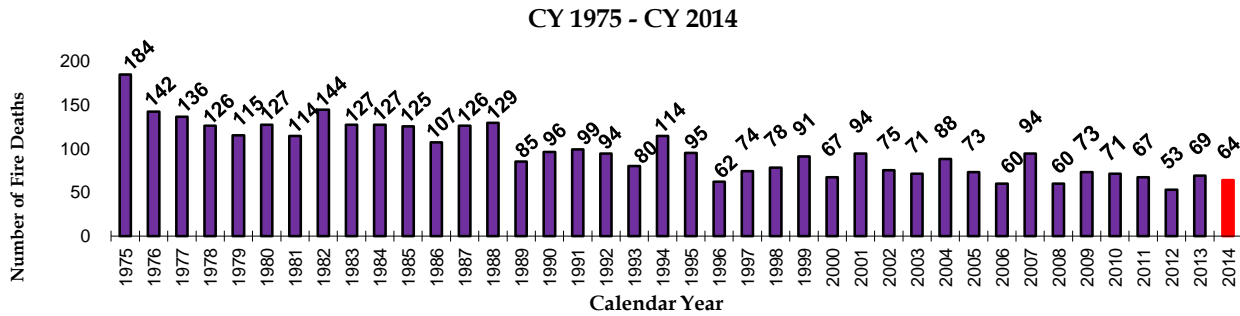
Harford County - Harford County reported no fire deaths in 2014 and 2013 compared to three deaths in 2012.

Talbot County - In Talbot County, there were no fire deaths reported in 2014 compared to one fire death in 2013.

Worcester County - During 2014, Worcester County reported no fire deaths in 2014 compared to two fire deaths in 2013.

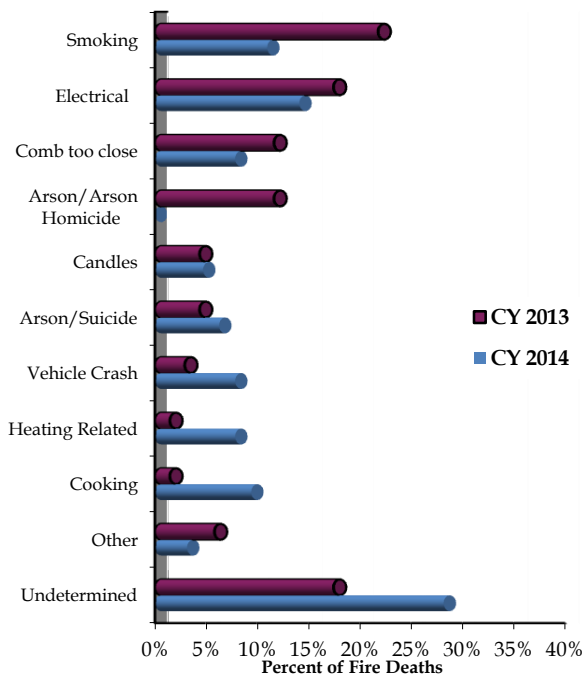
FIRE DEATHS IN MARYLAND

The fire deaths reported in Maryland during 2014 represent a significant decrease over the previous year. The 64 deaths in 55 fires in 2014 represent a 7 percent decrease over the 69 deaths in 58 fires in 2013, but a 16 percent increase over the 53 deaths in 44 fires in 2012.



In recent years, the number of fire fatalities reported to the State Fire Marshal's Office have continued to decline with fire deaths averaging 65 a year from 2010 through 2014. Fire deaths in the State have remained below 100 each year for the past 20 years, as illustrated in the above graph. During that time, there has been an average of 74 fire deaths a year. Previously, from 1975 to 1994, fire fatalities in Maryland averaged 120 deaths a year.

CAUSES OF FATAL FIRES



Unlike the previous few years, fires attributed to electrical malfunction claimed more lives than fires resulting from other known causes. Nine fire victims, ranging in age from 23 to 84 years, died in eight electrical related fires, all in residential structures. Those deaths accounted for just over 14 percent of the fire deaths, compared to over 17 percent of all fire deaths in 2013, and over 11 percent of all fire deaths in 2012.

Six residential fires resulting from smoking related causes claimed seven lives, including a double-fatality that claimed the lives of a married couple aged 61 and 65 years.

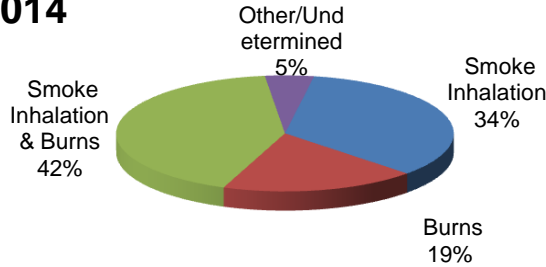
In 2014, cooking related fires led to six deaths in four fires, including one kitchen fire that claimed the lives of a 23 year old male, a 4 year old female and a 1 year old male.

Four people died in four fires that were intentionally set in 2014, with ages ranging from 45 to 84 years. The causes of 18 fires in which 16 lives were lost have not been definitively determined.

FIRE DEATHS IN MARYLAND

CAUSE OF DEATH OF FIRE VICTIMS

2014

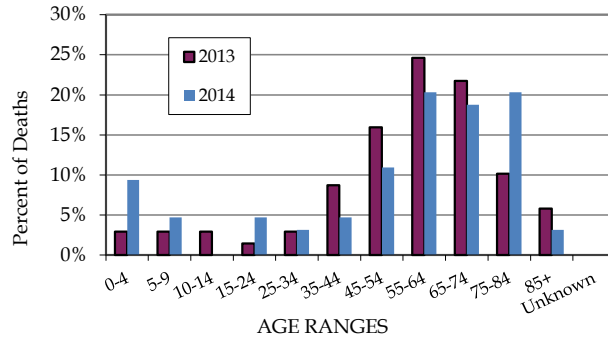


As in most previous years, the combination of smoke inhalation and burns was the cause of death reported most frequently for victims of fatal fires in 2014, claiming 27 lives.

Twenty two victims of fatal fires died as the result of smoke inhalation, and 12 other fire victims succumbed as the result of burn injuries.

AGE OF FIRE DEATH VICTIMS

Nine children died in five fires during 2014. Fire victims younger than 15 years accounted for 14 percent of all fire deaths for the year, an increase from the six victims who accounted for 9 percent of all fire deaths for 2013, and a decrease of the 13 victims in 2012 who accounted for 25 percent of the fire deaths that year.



Two children died, along with their mother, in a residential fire resulting from a plane crash. Stove burners left on and unattended resulted in a fire that claimed the lives of a 1 year-old boy, a 4 year old girl and a 23 year old male. A 3 year old girl and a 7 year old girl died from smoke and burn injuries sustained in an undetermined living room fire; however, the parents and two other siblings were able to escape. An undetermined fire claimed the lives of two boys, 7 years and 8 years, who died from burn injuries and smoke inhalation. A 4 year old male victim was found in the hallway outside of his bedroom with thermal injuries and smoke inhalation as the cause of death, but the fire remains undetermined.

There were five victims in the 15 to 34 years age range in 2014, a slight increase when compared to the number of victims in that age range in 2013, but just three less than the eight victims in that age range reported in 2012. Victims in that age range accounted for just under eight percent of the total deaths in 2014, compared to four percent in 2013, and 15 percent of the deaths in 2012.

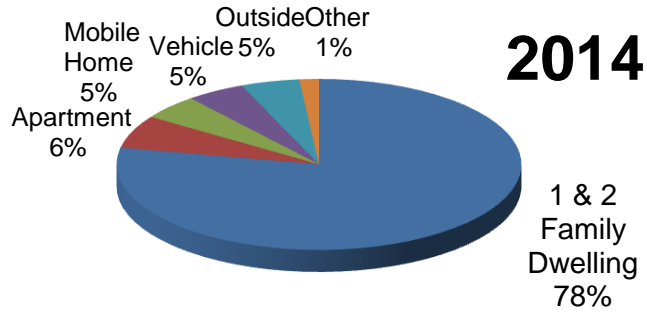
The number of fire death victims in the 35 to 64 years age range decreased in 2014, compared to 2013, but increased compared 2012. Twenty-three victims in that age range accounted for over one-third (35.9%) the fire deaths in 2014, while 34 victims in that age range accounted for 49 percent of the deaths in 2013, and 18 victims in that age range accounted for almost 34 percent of the deaths in 2012.

The 27 fire death victims 65 and older represent a slight increase over the number of deaths compared to the 26 such victims in 2013, but almost 93 percent more than the 14 deaths reported in 2012. However, there was a decline in the number of victims (2) who were 85 or older. Those victims 65 years and older accounted for 42 percent of the fire deaths in 2014, compared to 38 percent of the fire deaths during 2013, and 26 percent of the fire deaths in 2012.

FIRE DEATHS IN MARYLAND

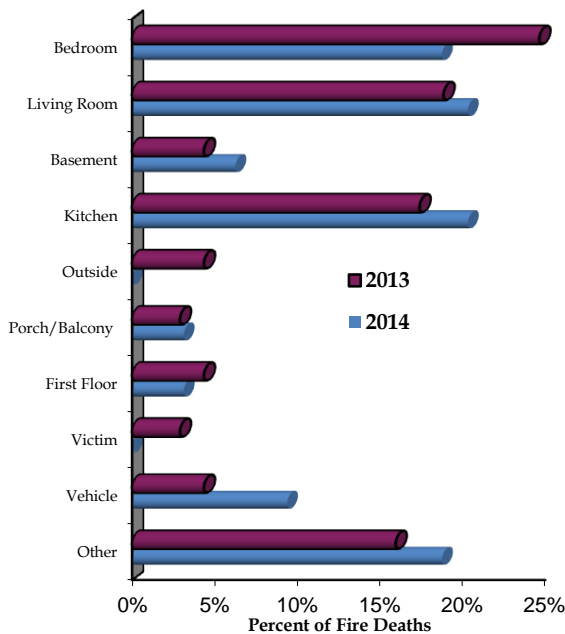
LOCATION OF FATAL FIRES

In 2014, as in other years, most fire deaths occurred in residential structures, including 50 deaths in one and two family dwellings, four victims of apartment fires, and three victims of mobile home fires. Residential fires accounted for 89 percent of the fire deaths in 2014, compared to 83 percent of the fire deaths in 2013, and 81 percent in 2012.



Three vehicle-related fire deaths included males aged 46 years, 59 years, and 67 years old who died in separate fires. Three fire fatalities in the Outside category included the death of an 85 year old male caused by misuse of a flammable liquid, a 47 year old male caused by careless smoking in a tent structure, and an 84 year old male suicide victim.

AREA OF FIRE ORIGIN



Twelve victims died in ten fires that originated in the bedroom during 2014, compared to 17 such victims in 2013 and 12 victims in 2012. Three of the bedroom fires were electrical related, with one fire claiming the lives of two victims. The remaining bedroom fire causes were as follows: three smoking related, two undetermined, one heating related, one unattended candle, and one possible suicide.

Thirteen deaths resulted from ten fires that started in the living room or family room area of the home in 2014, compared to 13 such deaths in 11 fires in 2013, and 11 deaths in ten fires in 2012. Victims of these fires ranged in age from 23 to 84 years. Three of the living room fires were double-fatalities claiming the lives of six individuals, including an undetermined fire with victims aged 3 years and 7 years. Additionally, three electrical related fires claimed the lives of three victims, two undetermined fires claimed the lives of two victims, and one careless smoking fire resulted in the death of one victim.

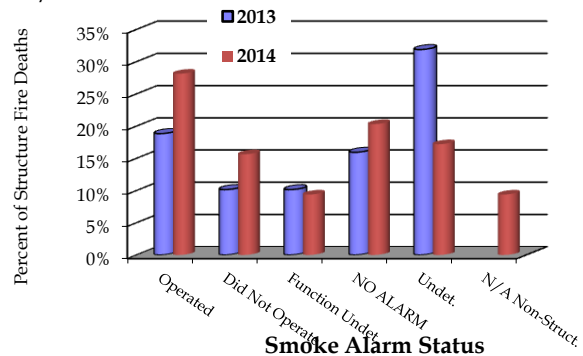
During 2014, 11 fires that originated in the kitchen area resulted in 13 deaths, compared to 12 deaths in seven fires in 2013. Three victims, including two children and one adult died in one cooking related fire in the kitchen. The remaining kitchen fire causes can be summarized as follows: four combustibles too close, three cooking related, two undetermined and one probable arson/suicide.

SMOKE ALARM PERFORMANCE

Sixteen fatal residential structure fires occurred where the smoke alarms were known to function properly, but the fires still claimed the lives of 18 individuals.

There were no smoke alarms present in ten fatal structure fires that killed 13 Maryland residents in 2014, including one triple-fatal fire in which one man and two children died, and one double-fatal in which two adult males died.

Another ten people died in nine structure fires where the smoke alarms were present, but did not operate.

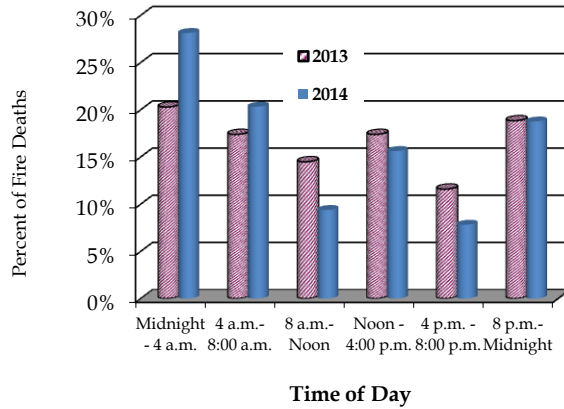


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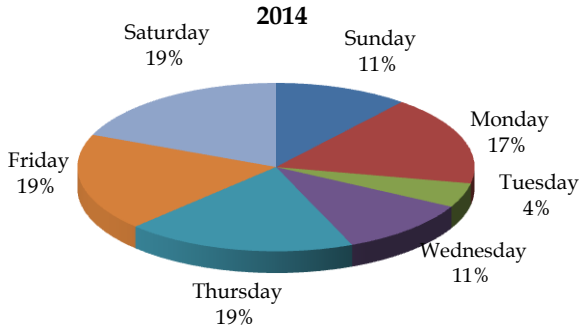
TIME OF FATAL FIRES

Consistent with most previous years, more fire deaths occurred in the late night and early morning hours than at other times of the day, and the hours between 10 p.m. and 6 a.m. proved to be the most deadly eight-hour period in 2014.

The fatal fires that started during those eight hours resulted in 40 deaths accounting for 63 percent of the 64 fire deaths for the year, compared to 2013 when 30 fatal fires lead to 39 deaths accounting for 57 percent of the 69 fire deaths that year. Five of the seven multiple-death fires occurred during those hours in 2014.



DAY OF WEEK OF FATAL FIRES



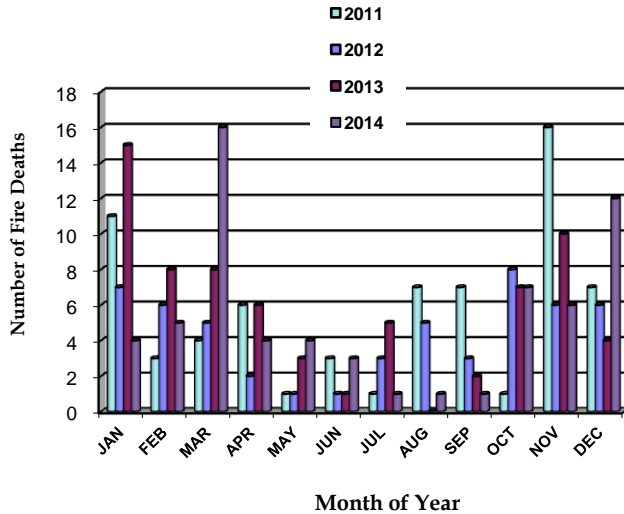
Fatal fires have been more likely to occur over the weekend. However, Thursday, Friday, Saturday and Monday proved to be more deadly in 2014.

Almost three-fourths of the fatal fires occurred during those four days, which resulted in over 73 percent of the 64 fire deaths for the year. Forty-seven people died from 38 fires that started on those days.

MONTH OF YEAR

The fall and winter months have often been the busiest months for fatal fires, and this proved true for 2014. More than 76 percent of the fire deaths resulted from fires that occurred in October through March when 42 fires claimed 50 lives.

As illustrated in the adjacent graph, March was the deadliest month, with 16 deaths in 12 fires, including three multiple-death fires.

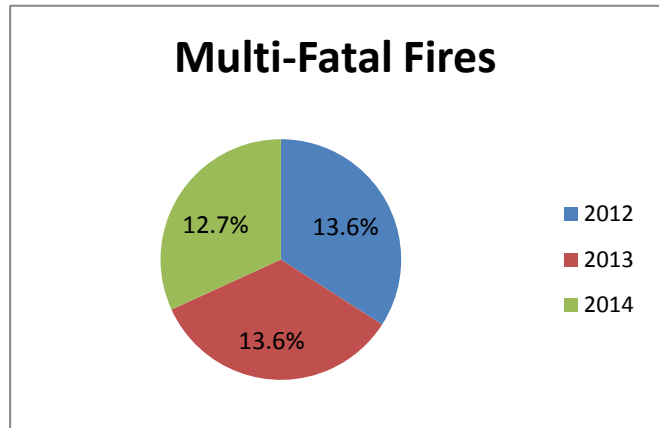


FIRE DEATHS IN MARYLAND

MULTIPLE FATAL FIRES

A multiple fatal fire is an incident where a fire claims the lives of multiple victims. In comparison to previous years, 2014 showed a slight decrease in the number of multi-fatal fires which was seven fires or 12.7 percent of the 55 total fires for the year. During 2012 and 2013 the percentage of multi-fatal fires was equal at 13.6 percent of the total fires for each year.

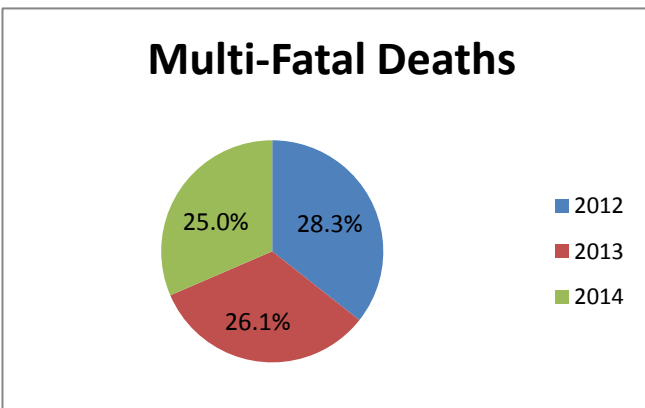
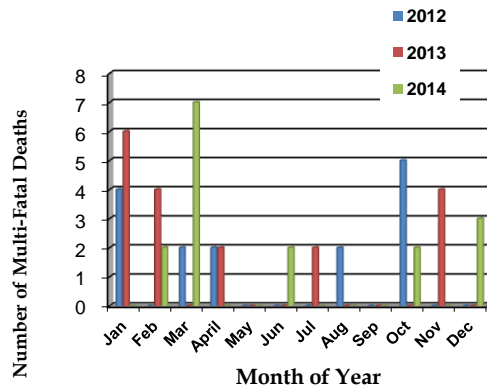
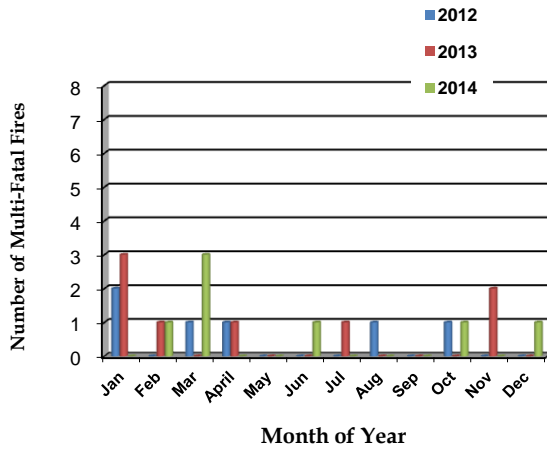
March of 2014 proved to be the month with the most multi-fatal fires which was reported at three fires. Additionally, the months of January, April, May, July, September, October and November 2014 had no multi-fatal fires.



MULTIPLE DEATHS IN FATAL FIRES

In 2014, the number of multi-deaths in fatal fires decreased in comparison to prior years to 16 or 25 percent of the 64 total deaths reported for the year. Multi-deaths in fatal fires in 2013 was recorded at 18 or 26.1 percent of the 69 total deaths and in 2012 was recorded at 15 or 28 percent of the 53 total deaths.

Multi-fatal fires claimed the lives of victims in 2014 as follows: March, seven victims/three fires; December, three victims/one fire; February, two victims/one fire; and June, two victims/one fire.



Office of the State Fire Marshal
FIRE DEATHS IN MARYLAND
CY 2014

COUNTY	FIRE CAUSE													FIRE DEATHS		FATAL FIRES	
	Smoking	Electrical	Heating related	Unattended Candle/ Incense	Cooking	Arson/ Homicide	Suicide/ Arson- Poss/ Prob	Open Flame	Flamm. Liq/Vapors	Combust. too close	Veh/ Plane Crash	Child Play	Under Invest/ Undet.	Total Deaths	Percent of Total	Total Fires	Percent of Total
Allegany	0	1	0	0	0	0	0	0	0	0	0	0	2	3	4.7%	2	3.6%
Anne Arundel	0	0	2	0	0	0	0	0	0	0	0	0	0	2	3.1%	2	3.6%
Baltimore City	2	3	0	2	4	0	2	0	0	1	0	0	4	18	28.1%	14	25.5%
Baltimore County	0	1	0	1	0	0	1	0	0	2	0	0	0	5	7.8%	5	9.1%
Calvert	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1.6%	1	1.8%
Caroline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Carroll	0	0	1	0	0	0	0	0	1	0	0	0	2	4	6.3%	4	7.3%
Cecil	0	0	0	0	0	0	0	0	1	0	1	0	1	3	4.7%	3	5.5%
Charles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Dorchester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Frederick	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Garrett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Harford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Howard	0	1	0	0	1	0	1	0	0	0	0	0	0	3	4.7%	3	5.5%
Kent	0	1	0	0	0	0	0	0	0	1	0	0	0	2	3.1%	2	3.6%
Montgomery	1	0	0	0	0	0	0	0	0	0	3	0	4	8	12.5%	6	10.9%
Prince George's	0	0	1	0	0	0	0	0	0	0	0	0	4	5	7.8%	5	9.1%
Queen Anne's	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1.6%	1	1.8%
St. Mary's	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1.6%	1	1.8%
Somerset	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1.6%	1	1.8%
Talbot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Washington	0	0	0	0	1	0	0	0	0	0	1	0	0	2	3.1%	2	3.6%
Wicomico	3	2	0	0	0	0	0	0	0	0	0	0	0	5	7.8%	3	5.5%
Worcester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
TOTAL FIRE DEATHS	7	9	5	3	6	0	4	0	2	5	5	0	18	64	100%	55	100%
Column % of All Fire Death	11%	14%	8%	5%	9%	0%	6%	0%	3%	8%	8%	0%	28%				
TOTAL FATAL FIRES	14	8	1	3	1	4	4	3	0	7	2	1	10				
Column % of All Fatal Fires	25%	15%	2%	5%	2%	7%	7%	5%	0%	13%	4%	2%	18%				

Office of the State Fire Marshal

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COUNTY	FIRE CAUSE													FATAL FIRES		FIRE DEATHS	
	Smoking	Electrical	Heating related	Unattended Candle/ Incense	Cooking	Arson/ Homicide	Suicide/ Arson-Poss/ Prob	Open Flame	Flamm. Liq/Vapors	Combust. too close	Veh Plane Crash	Child Play	Under Invest/ Undet.	Total Fires	Percent of Total	Total Deaths	Percent of Total
Allegany	0	1	0	0	0	0	0	0	0	0	0	0	1	2	3.6%	3	4.7%
Anne Arundel	0	0	2	0	0	0	0	0	0	0	0	0	0	2	3.6%	2	3.1%
Baltimore City	2	3	0	1	2	0	2	0	0	1	0	0	3	14	25.5%	18	28.1%
Baltimore County	0	1	0	1	0	0	1	0	0	2	0	0	0	5	9.1%	5	7.8%
Calvert	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1.8%	1	1.6%
Caroline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Carroll	0	0	1	0	0	0	0	0	1	0	0	0	2	4	7.3%	4	6.3%
Cecil	0	0	0	0	0	0	0	0	1	0	1	0	1	3	5.5%	3	4.7%
Charles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Dorchester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Frederick	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Garrett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Harford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Howard	0	1	0	0	1	0	1	0	0	0	0	0	0	3	5.5%	3	4.7%
Kent	0	1	0	0	0	0	0	0	0	1	0	0	0	2	3.6%	2	3.1%
Montgomery	1	0	0	0	0	0	0	0	0	0	1	0	4	6	10.9%	8	12.5%
Prince George's	0	0	1	0	0	0	0	0	0	0	0	0	4	5	9.1%	5	7.8%
Queen Anne's	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1.8%	1	1.6%
St. Mary's	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1.8%	1	1.6%
Somerset	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1.8%	1	1.6%
Talbot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
Washington	0	0	0	0	1	0	0	0	0	0	1	0	0	2	3.6%	2	3.1%
Wicomico	2	1	0	0	0	0	0	0	0	0	0	0	0	3	5.5%	5	7.8%
Worcester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
TOTAL FATAL FIRE	6	8	5	2	4	0	4	0	2	5	3	0	16	55	100%	64	100%
Column % of Total	11%	15%	9%	4%	7%	0%	7%	0%	4%	9%	5%	0%	29%				

Office of the State Fire Marshal

FIRE DEATHS IN MARYLAND

FIRE CAUSE	CY 2011		CY 2012		CY 2013		CY 2014	
	Number of Deaths	Percent of Total	Number of Deaths	Percent of Total	Number of Deaths	Percent of Total	Number of Deaths	Percent of Total
Smoking Related	9	13.4%	5	9.4%	15	21.7%	7	10.9%
Electrical Malfunction	10	14.9%	6	11.3%	12	17.4%	9	14.1%
Combustibles too close	7	10.4%	14	26.4%	8	11.6%	5	7.8%
Vehicle/Plane Crash	5	7.5%	4	7.5%	2	2.9%	5	7.8%
Cooking Related	3	4.5%	2	3.8%	1	1.4%	6	9.4%
Heating Related	0	0.0%	0	0.0%	1	1.4%	5	7.8%
Arson/Arson Homicide	1	1.5%	2	3.8%	6	8.7%	0	0.0%
Open Flame	2	3.0%	1	1.9%	3	4.3%	0	0.0%
Flammable Liquid/Vapors	1	1.5%	3	5.7%	0	0.0%	2	3.1%
Candles/Incense	3	4.5%	0	0.0%	3	4.3%	3	4.7%
Suicide/Arson Suicide	8	11.9%	2	3.8%	3	4.3%	4	6.3%
Child Playing	1	1.5%	0	0.0%	1	1.4%	0	0.0%
Arson/Suicide/Homicide	0	0.0%	0	0.0%	2	2.9%	0	0.0%
Other	1	1.5%	0	0.0%	0	0.0%	0	0.0%
Undetermined/Unknown	16	23.9%	14	26.4%	12	17.4%	18	28.1%
TOTAL DEATHS	67	100.0%	53	100.0%	69	100.0%	64	100.0%
*Heating Includes:								
Kerosene/Propane Heater	0		0		1		3	
Space/Bsbrd Heater	0		0		0		0	
Furnace	0		0		0		1	
Gas Fireplace	0		0		0		1	
Faulty Chimney/Flue	0		0		0		0	
DEATH CAUSE								
Smoke Inhalation & Burn	33	49.3%	29	54.7%	35	50.7%	27	42.2%
Smoke Inhalation	17	25.4%	7	13.2%	16	23.2%	22	34.4%
Burns	16	23.9%	12	22.6%	13	18.8%	12	18.8%
Other	1	1.5%	5	9.4%	5	7.2%	3	4.7%
SEX OF VICTIM								
Male	41	61.2%	29	54.7%	42	60.9%	42	65.6%
Female	26	38.8%	24	45.3%	27	39.1%	22	34.4%
AGE OF VICTIM								
0 - 4	1	1.5%	8	15.1%	2	2.9%	6	9.4%
5 - 9	4	6.0%	4	7.5%	2	2.9%	3	4.7%
10 - 14	3	4.5%	1	1.9%	2	2.9%	0	0.0%
15 - 24	2	3.0%	5	9.4%	1	1.4%	3	4.7%
25 - 34	2	3.0%	3	5.7%	2	2.9%	2	3.1%
35 - 44	9	13.4%	4	7.5%	6	8.7%	3	4.7%
45 - 54	8	11.9%	7	13.2%	11	15.9%	7	10.9%
55 - 64	15	22.4%	7	13.2%	17	24.6%	13	20.3%
65 - 74	9	13.4%	1	1.9%	15	21.7%	12	18.8%
75 - 84	7	10.4%	3	5.7%	7	10.1%	13	20.3%
85 +	5	7.5%	9	17.0%	4	5.8%	2	3.1%
Unknown	2	3.0%	1	1.9%	0	0.0%	0	0.0%

Office of the State Fire Marshal

FIRE DEATHS IN MARYLAND

LOCATION OF FIRE	CY 2011		CY 2012		CY 2013		CY 2014	
	Number of Deaths	Percent of Total	Number of Deaths	Percent of Total	Number of Deaths	Percent of Total	Number of Deaths	Percent of Total
Home	48	71.6%	32	60.4%	43	62.3%	50	78.1%
Apartment	4	6.0%	9	17.0%	12	17.4%	4	6.3%
Mobile Home/Trailer	1	1.5%	2	3.8%	2	2.9%	3	4.7%
Outside	4	6.0%	6	11.3%	5	7.2%	3	4.7%
Vehicle	10	14.9%	4	7.5%	3	4.3%	3	4.7%
Hotel/Nursing Home/Hospital	0	0.0%	0	0.0%	1	1.4%	0	0.0%
Commercial/Other Structure	0	0.0%	0	0.0%	3	4.3%	1	1.6%
TOTAL DEATHS	67	100.0%	53	100.0%	69	100.0%	64	100.0%

AREA OF FIRE ORIGIN								
Bedroom	10	14.9%	12	22.6%	17	24.6%	12	18.8%
Living Room	13	19.4%	11	20.8%	13	18.8%	13	20.3%
Kitchen	5	7.5%	7	13.2%	12	17.4%	13	20.3%
Outside/Yard	2	3.0%	4	7.5%	3	4.3%	0	0.0%
Vehicle	10	14.9%	5	9.4%	3	4.3%	6	9.4%
Basement/Utility Room	6	9.0%	6	11.3%	3	4.3%	4	6.3%
1st Floor	5	7.5%	0	0.0%	3	4.3%	2	3.1%
Porch/Balcony/Deck/Garage	0	0.0%	0	0.0%	2	2.9%	2	3.1%
Victim	5	7.5%	3	5.7%	2	2.9%	0	0.0%
Dining Room	0	0.0%	0	0.0%	2	2.9%	3	4.7%
Laundry Room	0	0.0%	0	0.0%	1	1.4%	0	0.0%
Bathroom	1	1.5%	0	0.0%	1	1.4%	1	1.6%
Hallway/Entrance/Foyer/Stairway	1	1.5%	0	0.0%	1	1.4%	1	1.6%
Other/Under Inv	9	13.4%	5	9.4%	6	8.7%	7	10.9%

SMOKE ALARM STATUS IN FIRES								
Present/Operated	19	35.8%	12	27.9%	13	21.7%	18	28.1%
Present/Did Not Operate	4	7.5%	5	11.6%	5	8.3%	10	15.6%
Present/Function Undetermined	0	0.0%	2	4.7%	7	11.7%	6	9.4%
NO ALARM PRESENT	10	18.9%	15	34.9%	11	18.3%	13	20.3%
Fire too Small/Non-Structure	0	0.0%	0	0.0%	2	3.3%	6	9.4%
Undetermined	20	37.7%	9	20.9%	22	36.7%	11	17.2%
TOTAL FIRE DEATHS	53	100.0%	43	100.0%	60	100.0%	64	100.0%

Office of the State Fire Marshal

FIRE DEATHS IN MARYLAND

TIME OF ALARM	CY 2011		CY 2012		CY 2013		CY 2014	
	Number of Deaths	Percent of Total	Number of Deaths	Percent of Total	Number of Deaths	Percent of Total	Number of Deaths	Percent of Total
0001 - 0159	8	11.9%	4	7.5%	5	7.2%	6	9.4%
0200 - 0359	15	22.4%	9	17.0%	9	13.0%	12	18.8%
0400 - 0559	7	10.4%	9	17.0%	9	13.0%	13	20.3%
0600 - 0759	4	6.0%	2	3.8%	3	4.3%	0	0.0%
0800 - 0959	8	11.9%	4	7.5%	6	8.7%	3	4.7%
1000 - 1159	4	6.0%	3	5.7%	4	5.8%	3	4.7%
1200 - 1359	2	3.0%	5	9.4%	9	13.0%	5	7.8%
1400 - 1559	3	4.5%	1	1.9%	3	4.3%	5	7.8%
1600 - 1759	5	7.5%	4	7.5%	3	4.3%	4	6.3%
1800 - 1959	1	1.5%	7	13.2%	5	7.2%	1	1.6%
2000 - 2159	5	7.5%	1	1.9%	1	1.4%	3	4.7%
2200 - 2400	5	7.5%	4	7.5%	12	17.4%	9	14.1%
TOTAL DEATHS	67	100.0%	53	100.0%	69	100.0%	64	100.0%

DAY OF WEEK	CY 2011		CY 2012		CY 2013		CY 2014	
Sunday	13	19.4%	8	15.1%	14	20.3%	7	10.9%
Monday	3	4.5%	7	13.2%	9	13.0%	11	17.2%
Tuesday	12	17.9%	1	1.9%	8	11.6%	3	4.7%
Wednesday	12	17.9%	12	22.6%	13	18.8%	7	10.9%
Thursday	12	17.9%	7	13.2%	17	24.6%	12	18.8%
Friday	7	10.4%	10	18.9%	4	5.8%	12	18.8%
Saturday	8	11.9%	8	15.1%	4	5.8%	12	18.8%

FIRE FATALITIES BY MONTH	CY 2011		CY 2012		CY 2013		CY 2014	
January	11	16.4%	7	13.2%	15	21.7%	4	6.3%
February	3	4.5%	6	11.3%	8	11.6%	5	7.8%
March	4	6.0%	5	9.4%	8	11.6%	16	25.0%
April	6	9.0%	2	3.8%	6	8.7%	4	6.3%
May	1	1.5%	1	1.9%	3	4.3%	4	6.3%
June	3	4.5%	1	1.9%	1	1.4%	3	4.7%
July	1	1.5%	3	5.7%	5	7.2%	1	1.6%
August	7	10.4%	5	9.4%	0	0.0%	1	1.6%
September	7	10.4%	3	5.7%	2	2.9%	1	1.6%
October	1	1.5%	8	15.1%	7	10.1%	7	10.9%
November	16	23.9%	6	11.3%	10	14.5%	6	9.4%
December	7	10.4%	6	11.3%	4	5.8%	12	18.8%

Office of the State Fire Marshal

FIRE DEATHS IN MARYLAND

COUNTY	CY 2010	CY 2011	CY 2012	CY 2013	CY 2014	5-Year Average	Percent of State Total	FIRE DEATH RATE*
Allegany	2	5	2	1	3	2.6	4.0%	3.5
Anne Arundel	6	1	7	4	2	4.0	6.2%	0.7
Baltimore City	20	17	12	21	18	17.6	27.2%	2.8
Baltimore County	10	10	7	5	5	7.4	11.4%	0.9
Calvert	2	0	0	2	1	1.0	1.5%	1.1
Caroline	0	0	0	0	0	0.0	0.0%	0.0
Carroll	0	1	0	2	4	1.4	2.2%	0.8
Cecil	7	0	1	1	3	2.4	3.7%	2.4
Charles	1	1	0	1	0	0.6	0.9%	0.4
Dorchester	0	0	2	1	0	0.6	0.9%	1.8
Frederick	2	2	0	3	0	1.4	2.2%	0.6
Garrett	1	0	0	1	0	0.4	0.6%	1.3
Harford	3	3	3	0	0	1.8	2.8%	0.7
Howard	3	1	0	1	3	1.6	2.5%	0.6
Kent	2	0	0	0	2	0.8	1.2%	4.0
Montgomery	2	4	3	4	8	4.2	6.5%	0.4
Prince George's	7	16	10	15	5	10.6	16.4%	1.2
Queen Anne's	0	3	0	0	1	0.8	1.2%	1.7
St. Mary's	1	0	1	1	1	0.8	1.2%	0.8
Somerset	1	0	1	0	1	0.6	0.9%	2.3
Talbot	1	0	0	1	0	0.4	0.6%	1.1
Washington	0	1	3	2	2	1.6	2.5%	1.1
Wicomico	0	1	0	1	5	1.4	2.2%	1.4
Worcester	0	1	1	2	0	0.8	1.2%	1.6
TOTAL FIRE DEATHS	71	67	53	69	64	65	100.0%	1.1

FIRE DEATH RATE** 1.23 1.16 0.92 1.20 1.11

*DEATH RATE: Number of civilian fires deaths per 100,000 population

** Rates are based on the 2010 U.S. census

Office of the State Fire Marshal

FIRE DEATHS IN MARYLAND

	2012						2013						2014					
	Multi-Fatal Fires	Total Fires	% Multi-Fatal Fires	Multi-Fatal Dths	Total Deaths	% Multi-Fatal Deaths	Multi-Fatal Fires	Total Fires	% Multi-Fatal Fires	Multi-Fatal Dths	Total Deaths	% Multi-Fatal Deaths	Multi-Fatal Fires	Total Fires	% Multi-Fatal Fires	Multi-Fatal Dths	Total Deaths	% Multi-Fatal Deaths
Jan	2	5	40.0%	4	7	57.1%	3	12	25.0%	6	15	40.0%	0	4	0.0%	0	4	0.0%
Feb	0	6	0.0%	0	6	0.0%	1	6	16.7%	4	8	50.0%	1	4	25.0%	2	5	40.0%
Mar	1	4	25.0%	2	5	40.0%	0	8	0.0%	0	8	0.0%	3	12	25.0%	7	16	43.8%
April	1	1	100.0%	2	2	100.0%	1	5	20.0%	2	6	33.3%	0	4	0.0%	0	4	0.0%
May	0	1	0.0%	0	1	0.0%	0	3	0.0%	0	3	0.0%	0	4	0.0%	0	4	0.0%
Jun	0	1	0.0%	0	1	0.0%	0	1	0.0%	0	1	0.0%	1	2	50.0%	2	3	66.7%
Jul	0	3	0.0%	0	3	0.0%	1	4	25.0%	2	5	40.0%	0	1	0.0%	0	1	0.0%
Aug	1	4	25.0%	2	5	40.0%	0	0	0.0%	0	0	0.0%	0	1	0.0%	0	1	0.0%
Sep	0	3	0.0%	0	3	0.0%	0	2	0.0%	0	2	0.0%	0	1	0.0%	0	1	0.0%
Oct	1	4	25.0%	5	8	62.5%	0	6	0.0%	0	7	0.0%	1	6	16.7%	2	7	28.6%
Nov	0	6	0.0%	0	6	0.0%	2	8	25.0%	4	10	40.0%	0	6	0.0%	0	6	0.0%
Dec	0	6	0.0%	0	6	0.0%	0	4	0.0%	0	4	0.0%	1	10	10.0%	3	12	25.0%
TOTAL	6	44	13.6%	15	53	28.3%	8	59	13.6%	18	69	26.1%	7	55	12.7%	16	64	25.0%

NOTES