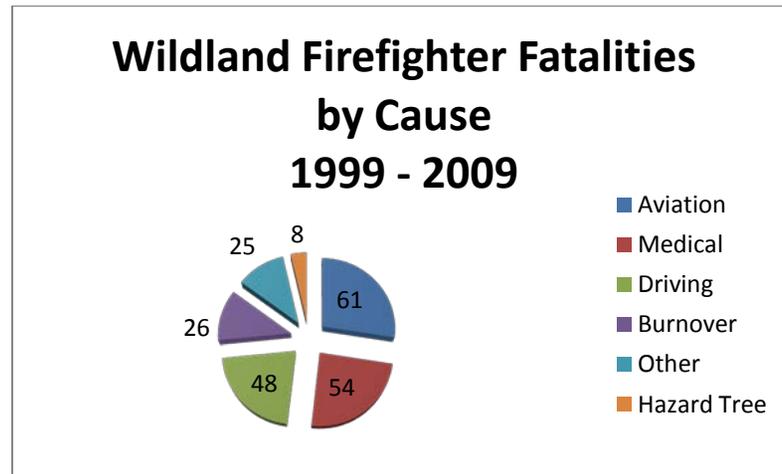


NWCG Wildland Firefighter Fatalities by Cause 1999 – 2009*

Year	Aviation	Heart Attack/Medical	Driving	Burnover	Other**	Hazard Tree	Total
2009	6	5	3	0	0	1	15
2008	14	3	2	1	4	1	25
2007	1	2	3	0	2	1	9
2006	8	3	4	7	1	1	24
2005	3	3	3	1	1	1	12
2004	3	9	5	1	1	1	20
2003	7	7	12	4	0	0	30
2002	6	4	9	1	2	1	23
2001	6	4	2	5	0	1	18
2000	7	3	3	4	3	0	20
1999	0	11	2	2	11	0	26
Totals	61	54	48	26	25	8	222

*Data from NWCG SafetyGram publications **Other category includes heat illness, falls, struck or crushed by vehicle, electrocution

DOI/FS Fatalities = 86 or 39% Non-DOI/FS Fatalities = 136 or 61%



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2007	1	2	3	0	2	1	9
2006	8	3	4	7	1	1	24
2005	3	3	3	1	1	1	12
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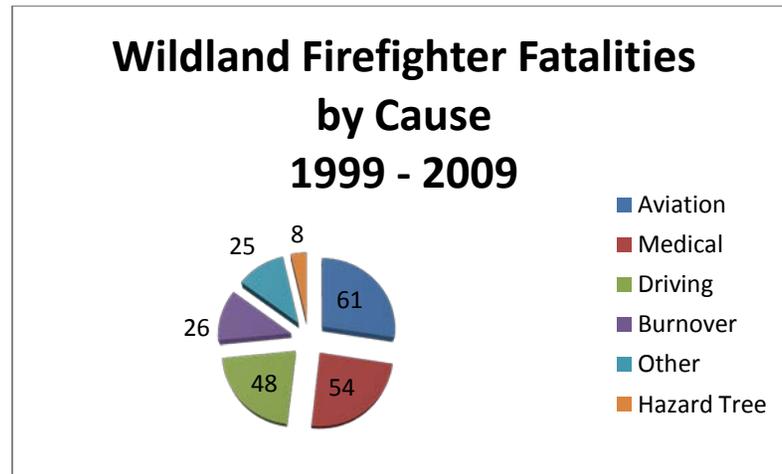


Table 2. Firefighter Fatalities in the U.S., 1999 -- 2009

Year	Firefighter Fatalities in U.S.*	Wildland Firefighter fatalities in U.S.†	DOI/USDA Wildland Firefighter fatalities in U.S.†	Number of Wildland and Prescribed Fires	Acres Burned, Wildland and Prescribed
1999	112	26	4	99,639	7,505,432
2000	102	20	6	96,947	8,585,713
2001	102**	18	6	89,905	5,219,474
2002	100	23	16	103,205	9,867,469
2003	111	30	8	86,137	6,795,236
2004	117	20	7	74,697	10,552,265
2005	115	12	3	74,381	10,991,798
2006	106	24	13	120,746	12,589,134
2007	118	9	3	109,651	12,465,752
2008	118	25	14	84,335	7,124,531
2009	***	15	6	91,920	8,876,779
Total 1999 – 2009	1101	222	86	1,031,563	100,573,583

*Based on U.S. Fire Administration report data

† Data from National Wildfire Coordinating Group annual SafetyGram

** This total does not reflect the 344 firefighters killed in the World Trade Center terrorist attacks

*** No data available from USFA for 2009

Table 1. DOI/USDA Wildland Firefighter Fatalities by Cause, 1999 – 2009

Year	Aviation	Burnover	Driving	Heart Attack	Hazard Tree	Other*	Total
1999				2		2	4
2000	5	1					6
2001		4		1	1		6
2002	6		8	1	1		16
2003	3	3	1	1			8
2004	2	1		2	1	1	7
2005	3						3
2006	6	6				1	13
2007	1		2				3
2008	10	1		1	1	1	14
2009	5				1		6
Total	41	16	11	8	5	5	86
Percent of Total	48%	18%	13%	9%	6%	6%	
Average per year	3.7	1.45	1.0	0.73	0.45	0.45	8

* "Other" category includes heat illness, fall from vehicle, fall from structure, struck by vehicle and struck by falling rock

[Type text]

Fact Sheet
USFS Wildland Hazard Tree Fatalities
1999 – 2009

3 fatal accidents

3 fatalities:

2 Forest Service employees (1 AD)

1 cooperating agency employee

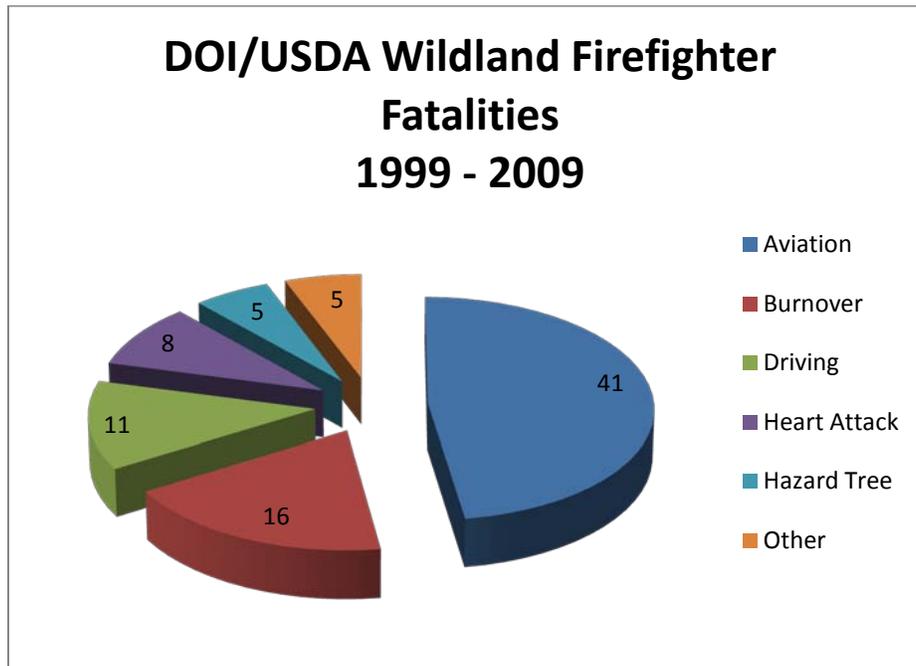
= 3% of all fatalities experienced during this time period by all DOI/USDA wildland fire agencies

= 60% of all DOI/USDA hazard tree fatalities for this time period

= 1% of all wildland firefighter fatalities in the U.S. (all agencies) for this time period

Average of one fatal hazard tree accident with one death every 4 years

One fatality from a falling rock during this time period 1999 – 2009



Source Data: NWCG SafetyGram

Fact Sheet
USFS Wildland Fire Driving Fatalities
1999 – 2009

5 fatal accidents

11 fatalities:

6 contractors

5 Forest Service employees

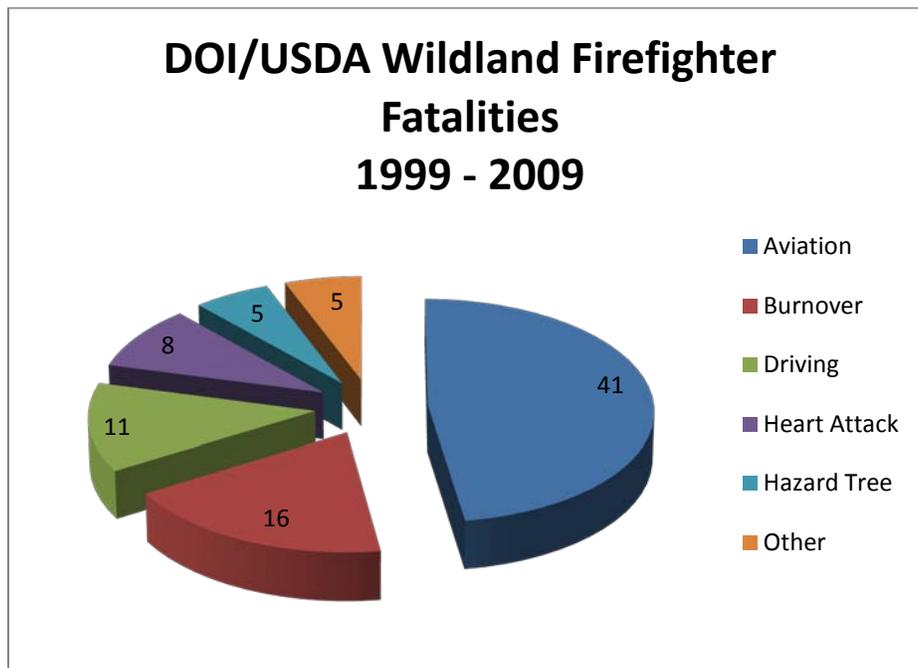
= 13% of all fatalities experienced during this time period by all DOI/USDA wildland fire agencies

= 100% of all DOI/USDA driving fatalities for this time period

= 5% of all wildland firefighter fatalities in the U.S. (all agencies) for this time period

Average of 1 fatal driving accident every 2.2 years

2 of the 5 fatal accidents, or 40%, involved multiple fatalities



Source Data: NWCG SafetyGram

Fact Sheet

USFS Wildland Fire Burnover Fatalities

1999 – 2009

5 fatal accidents

13 fatalities:

11 Forest Service employees

2 cooperating agency employees

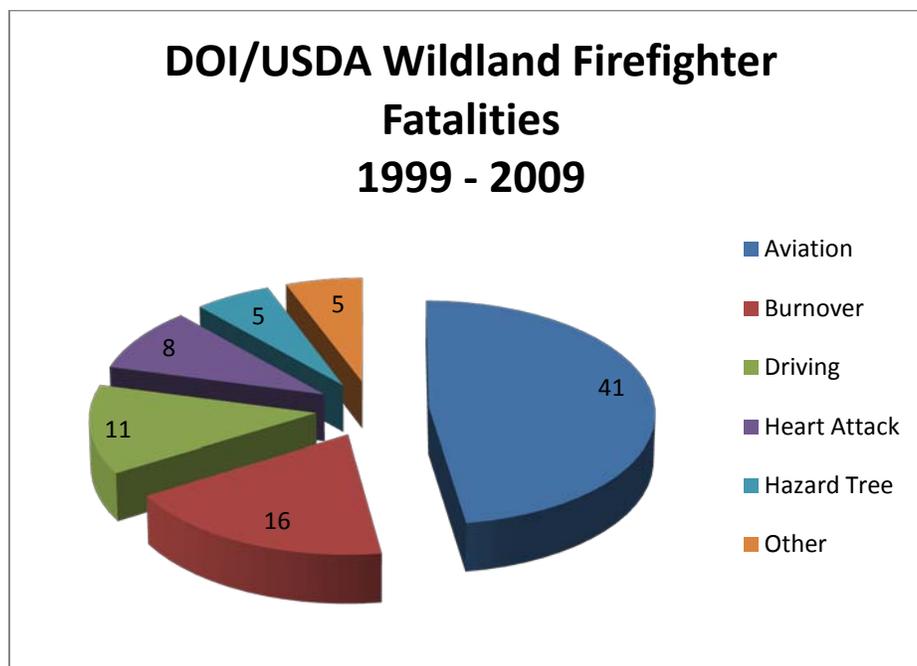
= 15% of all fatalities experienced during this time period by all DOI/USDA wildland fire agencies

= 81% of all DOI/USDA burnover fatalities for this time period

= 6% of all wildland firefighter fatalities in the U.S. (all agencies) for this time period

Average of 1 fatal burnover event every 2.2 years

3 of the 5 fatal burnover events, or 60%, involved multiple fatalities



Source Data: NWCG SafetyGram

Fact Sheet
USFS Wildland Fire Aviation Fatalities
1999 – 2009

12 fatal accidents

32 fatalities:

24 contractors

8 Forest Service employees

= 37% of all fatalities experienced during this time period by all DOI/USDA wildland fire agencies

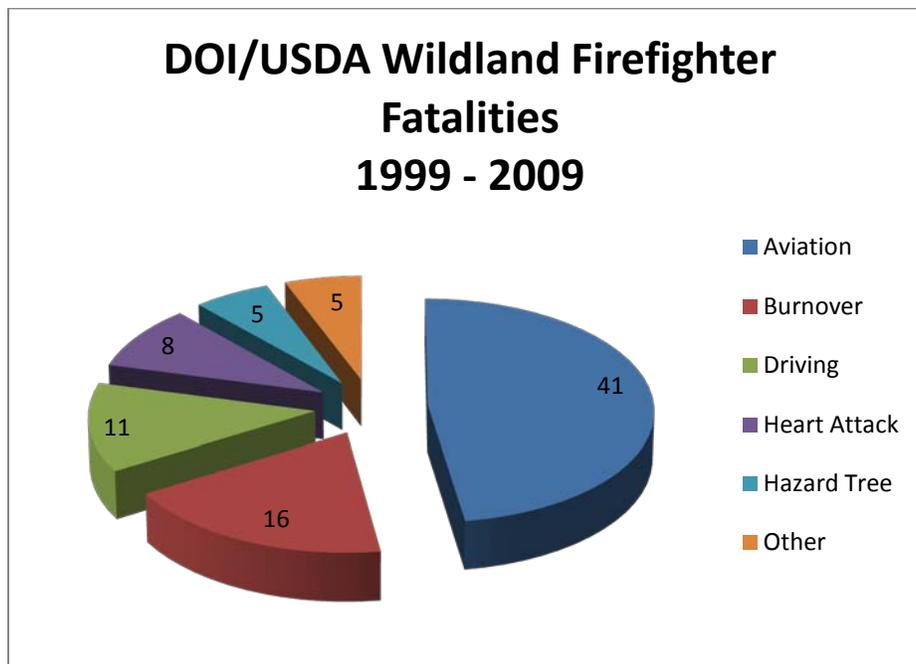
= 78% of all DOI/USDA wildland fire aviation fatalities for this time period

= Single biggest contribution to DOI/USDA wildland firefighter fatalities by any cause or agency

= 14% of all wildland firefighter fatalities in the U.S. (all agencies) for this time period

Average of 1 fatal accident per year with an average of 3 deaths

8 of the 12 fatal accidents, or 66%, involved multiple fatalities



Source data: NWCG SafetyGram

Fact Sheet

USFS Wildland Fire Heart Attack Fatalities

1999 – 2009

5 fatal accidents

5 fatalities:

4 Forest Service employees

1 agency cooperator (inmate)

2 died while taking the Work Capacity Test, 3 on fires

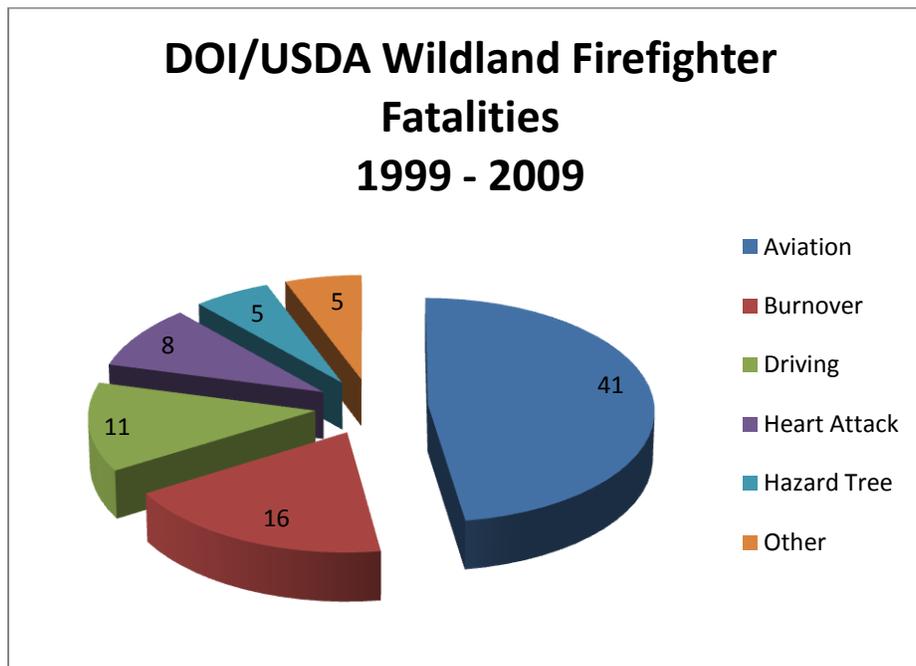
= 6% of all fatalities experienced during this time period by all DOI/USDA wildland fire agencies

=62 % of all DOI/USDA heart attack fatalities for this time period

= 2% of all wildland firefighter fatalities in the U.S. (all agencies) for this time period

There has not been a wildland fire-related heart attack death in the Forest Service since 2004

Since 2004 there have been 15 wildland firefighter heart attack deaths in non-federal agencies



Source Data: NWCG SafetyGram

Fact Sheet

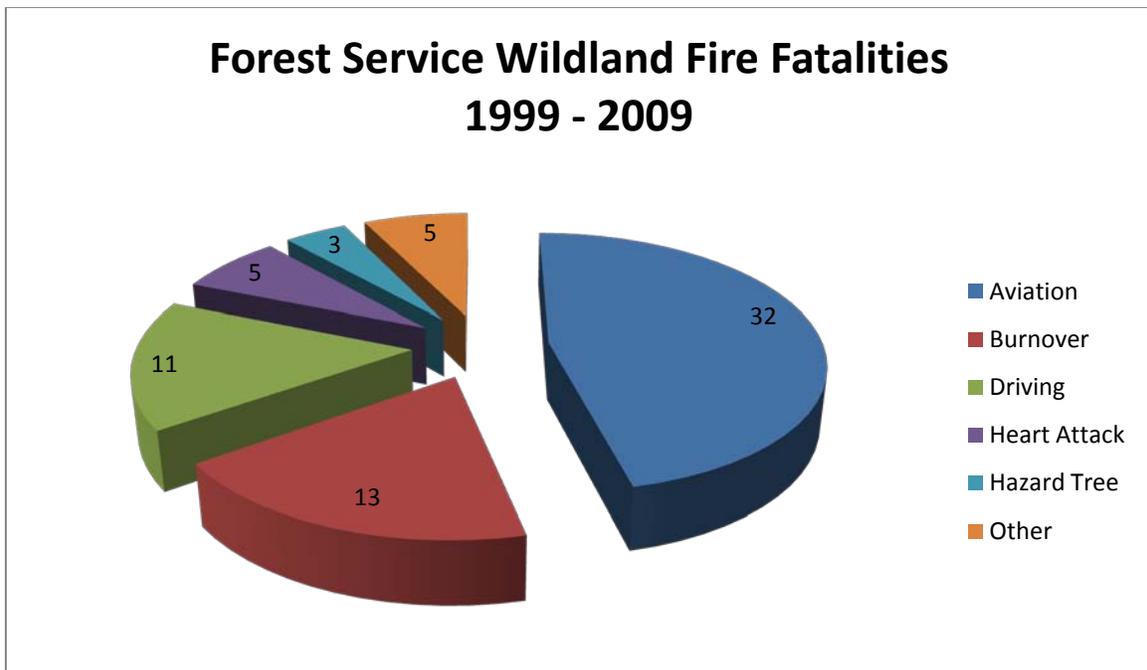
USFS Wildland Fire-related Fatalities

1999 – 2009

Cause	Number of fatal accidents	Number of fatalities	Percent of Total fatalities
Aviation	12	32	46%
Burnover	5	13	20%
Driving	5	11	16%
Heart Attack	5	5	7%
Hazard Tree	3	3	4%
Other*	5	5	7%
Total	35	69	

*Other category includes heat illness, falling rock, struck by vehicle, fall from height, fall from vehicle

Annual average = 3 fatal accidents and 6 fatalities



Source Data: NWCG SafetyGram



Larry Sutton/WO/USDAFS

06/04/2010 01:55 PM

To Ted Moore/R2/USDAFS@FSNOTES, Bequi Livingston/R3/USDAFS@FSNOTES, Steve Holdsambeck/R4/USDAFS@FSNOTES, Peter Tolosano/R5/USDAFS@FSNOTES, William G Reynolds/R9/USDAFS@FSNOTES, Gary Lehnhausen/R10/USDAFS@FSNOTES, Robert A Hartlove/NA/USDAFS@FSNOTES, Mike Apicello/WO/USDAFS@FSNOTES, Shelby Gales/ORSO/OR/BLM/DOI@BLM, Lea Wofford/R8/USDAFS@FSNOTES, Mary J Lommen/R1/USDAFS@FSNOTES, Steve Zachry/R1/USDAFS@FSNOTES

cc Wm C Waterbury/WO/USDAFS, Ron Hanks/WO/USDAFS@FSNOTES

bcc

Subject Statistics for your use

Council,

I wanted to share some of the statistical information I've developed recently, feel free to use as you see fit. You have to be a bit careful when reading or quoting some of these numbers, since some of them are for FS only, some are for FS and DOI only, and some are NWCG for all agencies.

-  FS Wildland Fire Fatality Fact Sheet.docx
-  Heart Attack Fact Sheet.docx
-  Aviation fatality Fact Sheet.docx
-  Burnover Fact Sheet.docx
-  Driving Fact Sheet.docx
-  Hazard Tree Fact Sheet.docx
-  Table 1. Federal Wildland Firefighter Fatalities by Cause, 1999 - 2009.docx
-  Table 2. Firefighter Fatalities in the U.S., 1999 -- 2009.docx
-  NWCG Wildland Firefighter Fatalities by Cause 1999_2009.docx

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