

## 2013 Flash Flood / River Flood Fatalities

In 2013, flash and river floods claimed 82 lives, up dramatically from 29 in 2012. The 2013 flood casualty total is above the 10-year average of 75 deaths but below the 30-year average of 97 fatalities. Of the 82 deaths, 37 (45%), were killed in a vehicle, likely trying to cross a flooded road. Oklahoma tragically numbered 15 victims, most caught in flash flooding; Texas numbered 12 flood related deaths and Colorado, 9. Flash floods caused 60 deaths; river floods, 22. Flood deaths were heaviest in the 50-69 age ranges with 26 (32%) of victims. Males accounted for 50 deaths (61%) and females, 32 (39%).

### 2013 Flood Fatalities by State and Location

| State               | BO   | BU   | CA   | IW    | MH   | OT    | PH   | VE    | Total |
|---------------------|------|------|------|-------|------|-------|------|-------|-------|
| AR (Arkansas)       | 3    | 0    | 0    | 1     | 0    | 0     | 1    | 1     | 6     |
| AZ (Arizona)        | 0    | 0    | 0    | 2     | 0    | 0     | 0    | 0     | 2     |
| CA (California)     | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 1     | 1     |
| CO (Colorado)       | 0    | 0    | 0    | 3     | 0    | 3     | 2    | 1     | 9     |
| GA (Georgia)        | 0    | 0    | 0    | 1     | 0    | 0     | 0    | 0     | 1     |
| HI (Hawaii)         | 0    | 0    | 0    | 1     | 0    | 0     | 0    | 0     | 1     |
| IA (Iowa)           | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 1     | 1     |
| IL (Illinois)       | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 4     | 4     |
| IN (Indiana)        | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 5     | 5     |
| KY (Kentucky)       | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 5     | 5     |
| MD (Maryland)       | 0    | 0    | 1    | 0     | 0    | 0     | 0    | 0     | 1     |
| MO (Missouri)       | 0    | 0    | 0    | 0     | 0    | 1     | 0    | 6     | 7     |
| ND (North Dakota)   | 0    | 0    | 0    | 1     | 0    | 0     | 0    | 1     | 2     |
| NM (New Mexico)     | 0    | 0    | 0    | 1     | 0    | 0     | 0    | 2     | 3     |
| NY (New York)       | 0    | 0    | 0    | 0     | 1    | 0     | 0    | 0     | 1     |
| OH (Ohio)           | 0    | 0    | 0    | 1     | 0    | 1     | 0    | 0     | 2     |
| OK (Oklahoma)       | 0    | 0    | 0    | 0     | 0    | 13    | 0    | 2     | 15    |
| PA (Pennsylvania)   | 0    | 0    | 0    | 1     | 0    | 0     | 0    | 0     | 1     |
| SC (South Carolina) | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 1     | 1     |
| TX (Texas)          | 0    | 0    | 0    | 4     | 0    | 1     | 0    | 7     | 12    |
| VA (Virginia)       | 0    | 0    | 0    | 1     | 0    | 1     | 0    | 0     | 2     |
| <b>Total</b>        | 3    | 0    | 1    | 17    | 1    | 20    | 3    | 37    | 82    |
| <b>Percent</b>      | 3.66 | 0.00 | 1.22 | 20.73 | 1.22 | 24.39 | 3.66 | 45.12 |       |

### 2013 Flood Fatalities by Age and Gender

#### Legend

- BO - Boating
- BU - Business
- CA - Camping
- IW - In Water
- MH - Mobile/Trailer Home
- OT - Other
- PH - Permanent Home
- VE - Vehicle/Towed Trailer

|                | <b>Female</b> | <b>Male</b> | <b>Unknown</b> | <b>Total</b> | <b>Percent</b> |
|----------------|---------------|-------------|----------------|--------------|----------------|
| 0 to 9         | 4             | 7           | 0              | 11           | 13.41          |
| 10 to 19       | 1             | 6           | 0              | 7            | 8.54           |
| 20 to 29       | 2             | 3           | 0              | 5            | 6.10           |
| 30 to 39       | 7             | 3           | 0              | 10           | 12.20          |
| 40 to 49       | 3             | 5           | 0              | 8            | 9.76           |
| 50 to 59       | 2             | 14          | 0              | 16           | 19.51          |
| 60 to 69       | 6             | 4           | 0              | 10           | 12.20          |
| 70 to 79       | 2             | 5           | 0              | 7            | 8.54           |
| 80 to 89       | 4             | 3           | 0              | 7            | 8.54           |
| 90 to --       | 0             | 0           | 0              | 0            | 0.00           |
| Unknown        | 1             | 0           | 0              | 1            | 1.22           |
| <b>Total</b>   | 32            | 50          | 0              | 82           |                |
| <b>Percent</b> | 39.02         | 60.98       | 0.00           |              |                |