



# 2021 Fireground Civilian Rescue Research Project

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To date, the American fire service has not officially collected the number of or means of which civilians are rescued at fires. The result of this information gap is a service unable to quantify if or how, presence, actions, or operations result in saving lives. For the fire service to deliberately improve outcomes and not just reduce loss, the mission (saving lives) must match the metrics (lives saved). Until then, the operational impact of the American fire service will remain unknown.

The purpose of this graduate research project is to demonstrate the scope and value of fireground civilian rescue reporting using qualitative survey methods. The results will support an improved understanding of fireground operational influence on outcomes. A clearer vision of the nation’s fire problem for the future includes the knowledge of both the parameters of our problem (loss) and the dimensions of our success (saves).

## January 1, through February 28, 2021 Report

**309** Residential structure fire incidents with fireground civilian rescues by fire departments were reported in U.S. news media or by department press releases.

**594** Civilians were rescued from residential structure fires and transferred to emergency medical through the direct actions of U.S. firefighters in 59 days. This is an average of **10 rescues per day**.

**73%** Survival rate for civilians who were rescued from residential structure fires and transferred to emergency medical through the direct actions of U.S. firefighters. Survival rate calculated from the **167** direct follow up *Firefighter Rescue Surveys*.

**434** Estimated civilian lives saved from residential structure fires through the direct actions of U.S. firefighters and emergency medical personnel.

**197** Single family dwelling and mobile home fire incidents had fireground civilian rescues yielding a total of **282** victims. For single family dwelling and mobile home fires with victims, it can be anticipated that there will be more than one potential victim.

**112** Apartment and multi-family dwelling structure fires had fireground civilian rescues yielding a total of **312** victims. For apartment and multi-family dwelling incidents with rescues, the average is **2.8** victims per incident.

### January 2021 Fireground Civilian Rescues by State:

Alaska - 4	Delaware - 1	Kansas - 13	Missouri - 15	Nevada - 1	South Carolina - 7	Wisconsin - 18
Alabama - 7	Florida - 23	Kentucky - 3	Montana - 1	New York - 28	Tennessee - 13	West Virginia - 2
Arizona - 2	Georgia - 6	Louisiana - 2	North Carolina - 17	Ohio - 30	Texas - 29	
California - 40	Iowa - 5	Massachusetts - 21	Nebraska - 2	Oklahoma - 2	Utah - 6	
Colorado - 3	Idaho - 7	Maryland - 40	New Hampshire - 17	Oregon - 2	Virginia - 10	
Connecticut - 22	Illinois - 50	Michigan - 15	New Jersey - 17	Pennsylvania - 51	Vermont - 2	
DC - 4	Indiana - 18	Minnesota - 11	New Mexico - 2	Rhode Island - 3	Washington - 21	