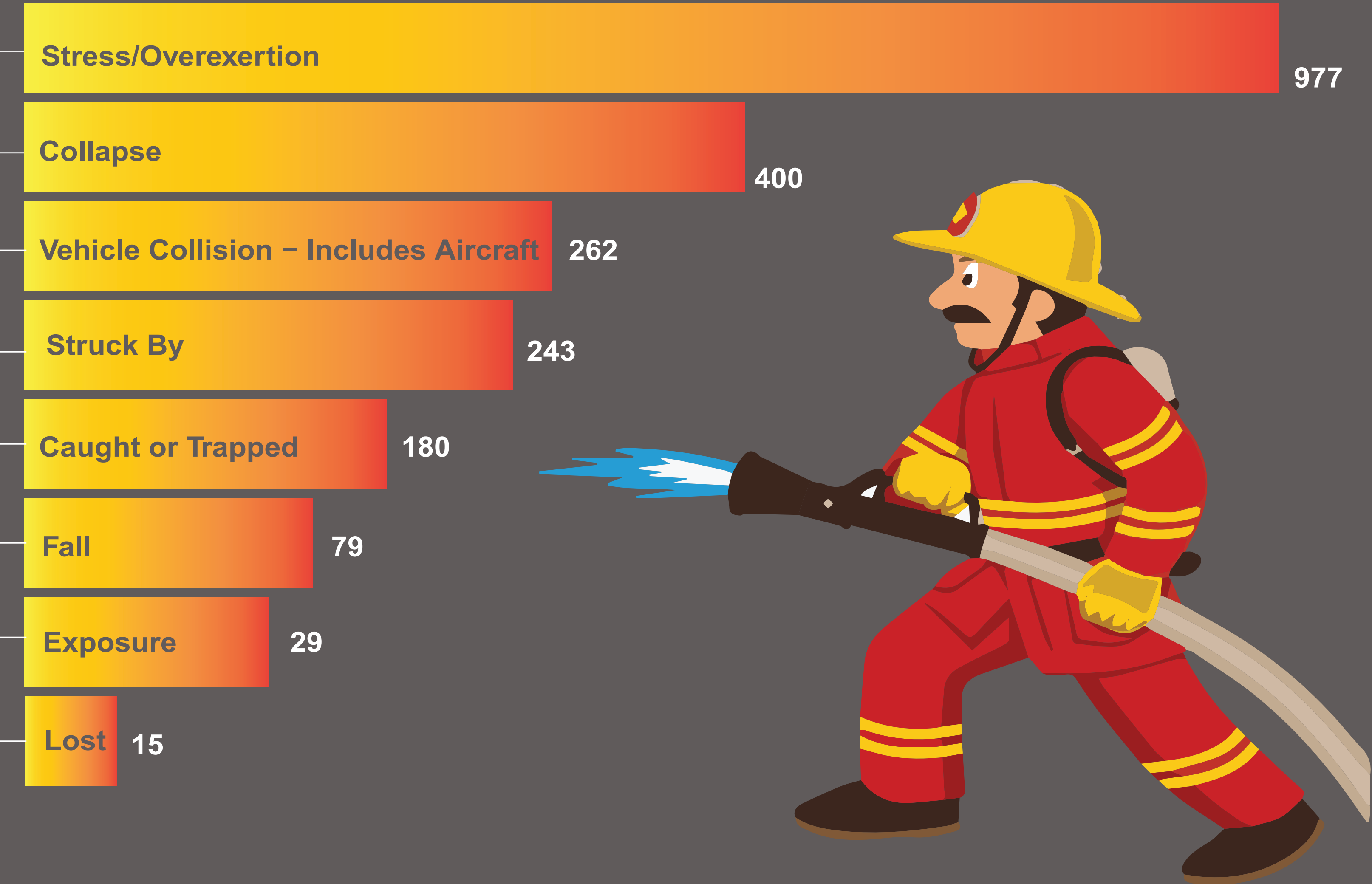


A Look at Firefighter Fatalities in the U.S

Syracuse University | IST 719 Data Visualization | Laura C. Larregui

Firefighting is often viewed as one of the most dangerous professions in the United States. Each year, an average of 100 firefighters lose their lives while performing their duties. Nonetheless, the average citizen knows little about the circumstances surrounding their deaths.

Top 8 Causes of Firefighter Fatalities 2000-2018



Data

The firefighter fatality dataset includes all on-duty firefighter fatalities that occurred in the United States between the years 2000 and 2018. It includes 16 variables and 2291 observations. When conducting multiyear comparisons of firefighter fatalities in this report, the losses resulting from the attacks on the World Trade Center in New York City on Sept. 11, 2001, are sometimes also set apart for illustrative purposes. This action is by no means a minimization of the supreme sacrifice made by these firefighters.

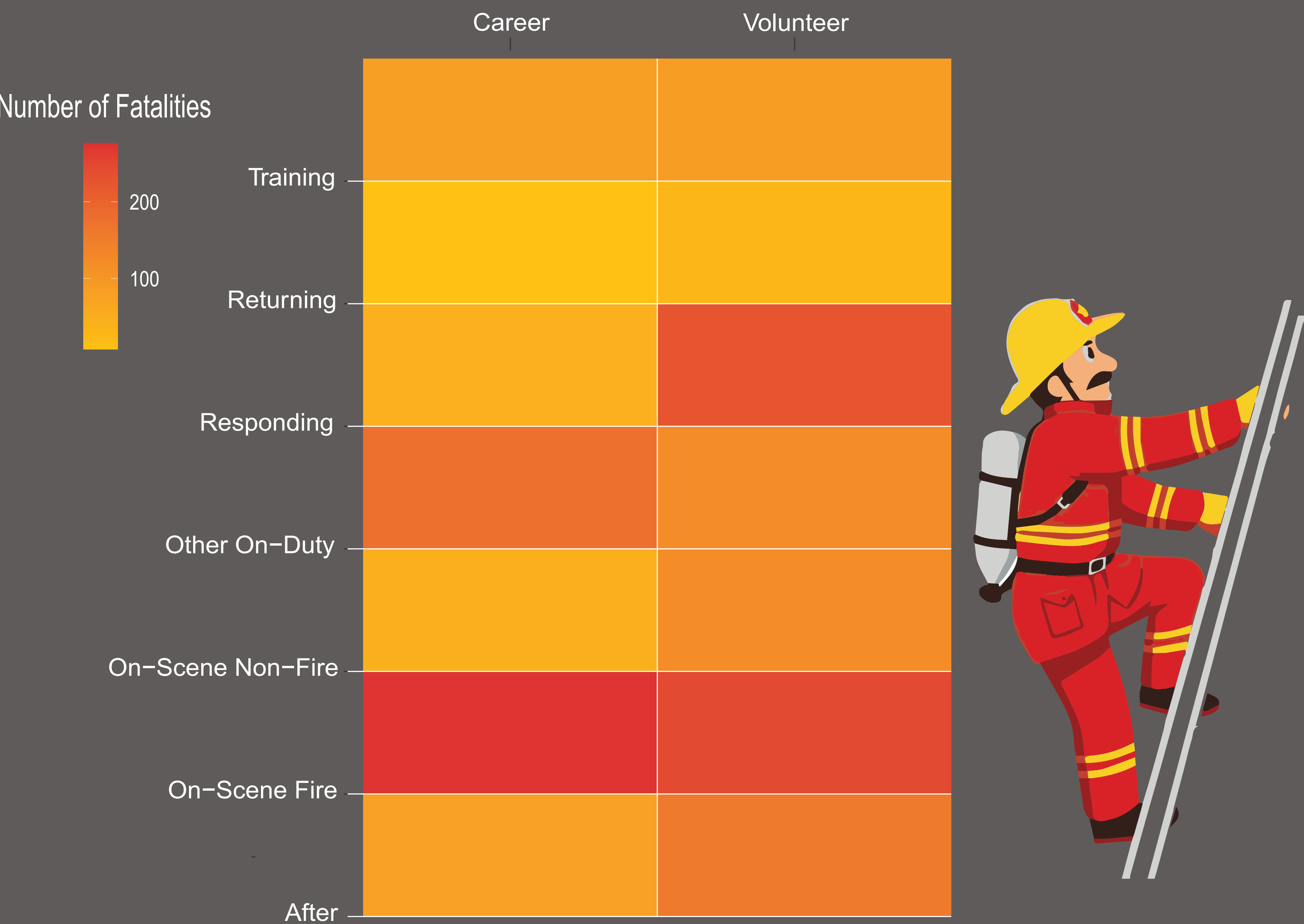
Audience

Government officials and citizens alike should be concern with firefighter fatalities. In order for firefighters to do their job efficiently, everyone needs to understand which circumstances puts them in danger and how they can be prevented.

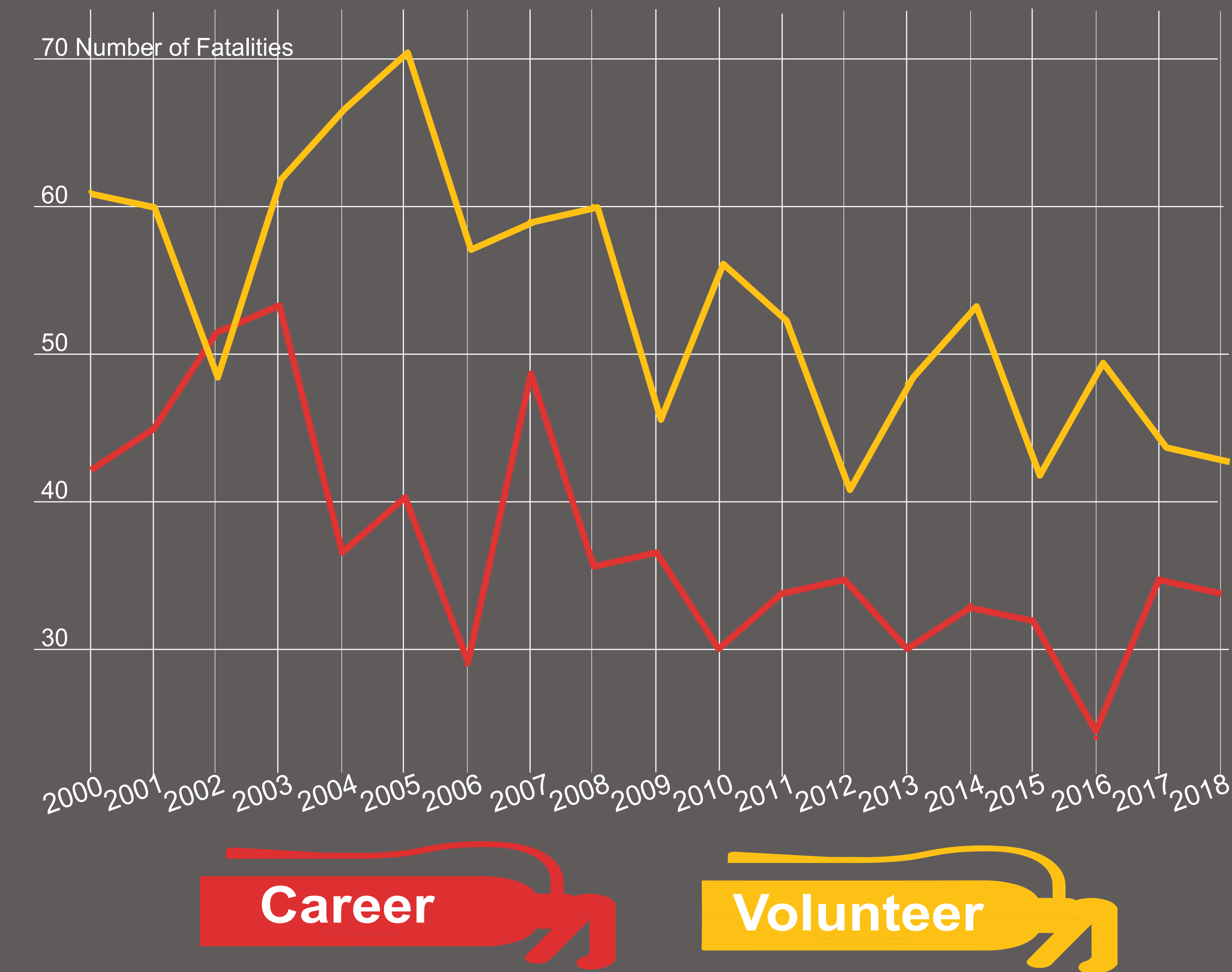
Questions

1. What is the mortality rate from 2000 to 2018?
2. Which firefighter is more at risk and when?

Firefighter Fatalities by Duty and Classification



Mortality Rate per Year

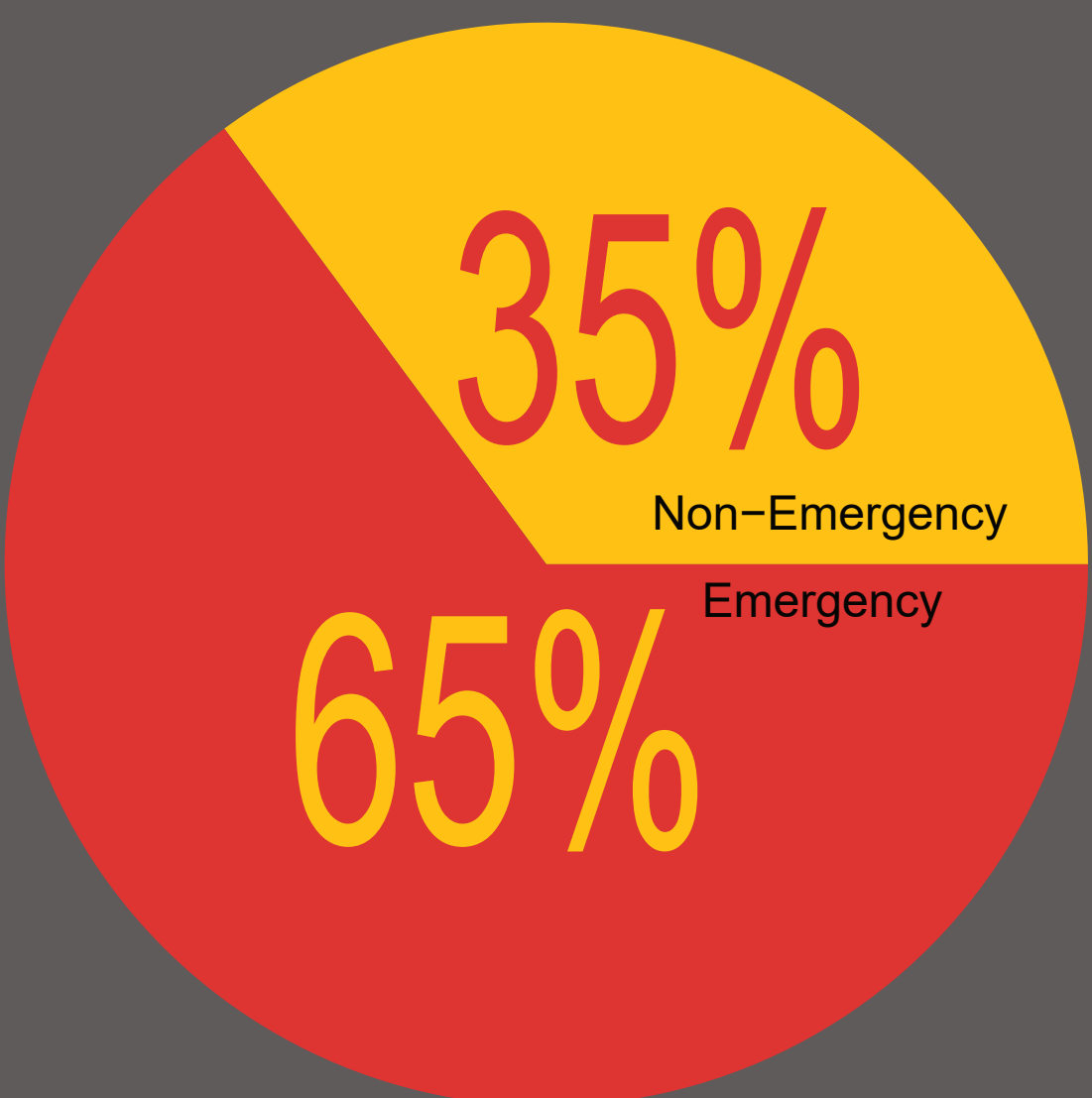


► Career and Volunter firefighters are more at risk while on a fire scene. Nonetheless, the dangers of firefighting do not start nor end there.

► While the mortality rate of firefighters has lowered, it is evident that Volunteer firefighters suffered the most fatalities.



► Most firefighter fatalities occur while responding to emergencies at stores and offices.



► While the mortality rate of firefighters has lowered, it is evident that Volunteer firefighters suffered the most fatalities.

► Most firefighter fatalities occur while responding to emergencies.



average number of days convalescing



average age of the fallen firefighter



total number of firefighter fatalities



deadliest event for firefighters. A total of 344 fatalities reported.