

Fire Department Overall Run Profile: Approach and Methodology

The Fire Department Overall Run Profile is intended to give an overview of the types of all-hazards incidents to which fire departments respond.

Because the Fire Department Overall Run Profile is an analysis of fire department responses, the data does not reflect the number or percentage of unique incidents occurring in the United States. If more than one fire department responds to the same incident, then each fire department response will be counted.

The National Emergency Response Information System (NERIS) allows fire departments to report up to three Incident Types on a single incident report. This allows fire departments to more accurately report the complex nature of their emergency responses. NERIS groups Incident Types into seven Incident Type Disciplines to reflect the skills, training and resources utilized by the fire department during the incident. For incidents with multiple Incident Types, each discipline is counted once. For example, if an incident report includes two **FIRE** Incident Types and one **MEDICAL** Incident Type, then the run will be counted once for the **FIRE** discipline and once for the **MEDICAL** discipline.

Incident reports tagged with **NOEMERG**, however, are not combined with other Incident Types in this analysis. For example, if a fire department uses the Incident Types **FIRE||STRUCTURE_FIRE||ROOM_AND_CONTENTS_FIRE** along with **NOEMERG||FALSE_ALARM||MALFUNCTIONING_ALARM**, then that response is classified only as a **NOEMERG** run because, by definition, no actual emergency or threat (fire) was found.

The result of this analysis is the number of fire department runs involving **FIRE, HAZSIT, LAWENFORCE, MEDICAL, NOEMERG, PUBSERV**, and **RESCUE** disciplines. To calculate the percentage of runs involving each Incident Type Discipline, the count of runs per discipline is divided by the total number of unique fire department runs during the time period. The sum of fire department runs for each Incident Type Discipline will be greater than the total number of runs reported to NERIS.

$$\text{Percentage of runs involving fires} = \frac{\text{Incident reports with at least one FIRE Incident Type}}{\text{Total incident reports}}$$

Data source and parameters for analysis

- Source: NERIS External Data Hub, data retrieved on July 14, 2026
- Incident dates: Jan. 1-June 30, 2026
- Geography: 50 states and District of Columbia
- Fire departments: All except for **FEDERAL**

Disclaimer: NERIS is not a repository of all incidents that occur in the United States. NERIS is a voluntary system, and it includes only those incidents reported to the system by fire departments that participate.

