

Fire Statistics definitions

Incident Recording System (IRS)

The source of the data used for fire statistics publications is the record of incidents attended by fire and rescue services (FRSs). The online IRS was introduced in April 2009. Full details of the questions and categories used in the recording of incidents under the IRS are available in the document 'IRS Questions and Lists'. This can be downloaded from: www.gov.uk/government/publications/incident-recording-system-for-fire-and-rescue-authorities.

The definitions within this document do not replace the [IRS manual](#) but are intended to help users of our statistics.

Fire and Rescue Service (FRS) is the local service providing emergency cover. As of 31st March 2017, there are 45 FRSs in England, one in Scotland and three in Wales.

Fire and Rescue Authority (FRA) is a publicly accountable body which manages its local fire and rescue service. Fire and Rescue Authorities are funded through central Government grant, locally retained business rates and council tax precept. In England, there are 45 fire and rescue authorities operating under a variety of different governance arrangements, including (but not exclusively) within the county council structure, the Mayoral combined authority structure and under a Police and Crime Commissioner.

Fires

Primary fires are generally more serious fires that harm people or cause damage to property and meet at least one of the following conditions:

- any fire that occurred in a (non-derelict) building, vehicle or (some) outdoor structures
- any fire involving fatalities, casualties or rescues
- any fire attended by five or more pumping appliances.

Primary fires are split into four sub-categories:

- **Dwelling fires** are fires in properties that are a place of residence i.e. places occupied by households such as houses and flats, excluding hotels/hostels and residential institutions. Dwellings also includes non-permanent structures used solely as a dwelling, such as houseboats and caravans.

- **Other buildings fires** are fires in other residential or non-residential buildings. Other (institutional) residential buildings include properties such as hostels/hotels/B&Bs, nursing/care homes, student halls of residence etc. Non-residential buildings include properties such as offices, shops, factories, warehouses, restaurants, public buildings, religious buildings etc.
- **Road vehicle fires** are fires in vehicles used for transportation, such as cars, vans, buses/coaches, motorcycles, lorries/HGVs etc. 'Road vehicles' does not include aircraft, boats or trains, which are categorised in 'other outdoors'.
- **Other outdoors fires** are fires in either primary outdoor locations, or fires in non-primary outdoor locations that have casualties or five or more pumping appliances attending. Outdoor primary locations include aircraft, boats, trains and outdoor structures such as post or telephone boxes, bridges, tunnels etc.

Secondary fires are generally small outdoor fires, not involving people or property. These include refuse fires, grassland fires and fires in derelict buildings or vehicles, unless these fires involved casualties or rescues, or five or more pumping appliances attended, in which case they become primary fires.

Chimney fires are fires in buildings where the flame was contained within the chimney structure and did not involve casualties, rescues or attendance by five or more pumping appliances. Chimneys in industrial buildings are not included.

Accidental fires include those where the motive for the fire was presumed to be either accidental or not known (or unspecified).

Deliberate fires include those where the motive for the fire was 'thought to be' or 'suspected to be' deliberate. This includes fires to an individual's own property, others' property or property of an unknown owner. Despite deliberate fire records including arson, deliberate fires are not the same as arson. Arson is defined under the Criminal Damage Act of 1971 as 'an act of attempting to destroy or damage property, and/or in doing so, to endanger life'.

Late fire calls are fires attended by a FRS which were known to be extinguished when the call was made (or to which no call was made) and the fire came to the attention of the FRS by other means (e.g. press report or inquest). Such fires are reported if an attendance is made (even if for inspection only) but are not reported if no attendance is made.

Fatalities and Casualties

Fire-related fatalities are those that would not have otherwise occurred had there not been a fire.

This includes any fatal casualty which is the direct or indirect result of injuries caused by a fire incident. Even if the fatal casualty dies subsequently, any fatality whose cause is attributed to a fire is included. For the purpose of publications, published figures include the number of fatal casualties which were either recorded as 'fire-related' or 'don't know', grouped together as fire-related deaths; thus excluding only those that were recorded as 'not fire-related'.

Non-fatal casualties have, since the introduction of the IRS, been split into four sub-categories, defined as:

- **Hospital severe** – at least an overnight stay in hospital as an in-patient
- **Hospital slight** – attending hospital as an outpatient (not a precautionary check)
- **First Aid given** – first aid given at scene (by anyone), including after a precautionary check
- **Precautionary check** – a precautionary check (to attend hospital or to see a doctor) was recommended (by anyone).