



Electrical fire incidents

01/04/2021 to 31/03/2024

Data, Intelligence and Safety

Date: July 2024

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Data valid at:	12/07/2024 00:00:00
Approved for Publication	
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Date Approved by:	15/07/2024

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1 Request

- How many electrical fires has the service responded to in the last three years (between April 6-April 5 2021/22, 2022/23 and 2023/24)?
- Of these, how many incidents were in domestic properties and how many commercial? Broken down by year.
- Of these incidents, how many were caused by electrical products? What were the other causes?
- What were the 5 most common products to cause electrical fires for each year?
- How many fatalities has the service recorded as a result of electrical fires in the last three years (between April 6-April 5 2021/22, 2022/23 and 2023/24)?
- How many injuries (serious and slight) has the service recorded as a result of electrical fires during the same period?

2 Reply

- 2.1 The following information is taken from Tyne and Wear Fire and Rescue Service (TWFRS) Incident Recording System (IRS). An IRS incident record is completed by the Officer in Charge for every incident attended.

3 Data

3.1 The table below is overall fiscal year totals of electrical fire incidents for both domestic & commercial premises.

Fiscal year	Domestic	Commercial	Total
2021/2022	297	51	348
2022/2023	298	49	347
2023/2024	304	55	359
Total	899	155	1054

3.2 The table below is the total number of electrical fire incidents which were caused by an electrical product.

Fiscal year	Domestic	Commercial
2021/2022	240	24
2022/2023	229	18
2023/2024	235	17
Total	704	59

The next table is the total number of electrical fire incidents which were not caused an electrical product. Along with a list of non-electrical products categories that were the cause of the fire

Fiscal year	Domestic	Commercial
2021/2022	57	27
2022/2023	69	31
2023/2024	69	38
Total	195	96

- Electricity supply - Apparatus - batteries, generators
- Electricity supply - Wiring, cabling, plugs
- Heating equipment - Central heating/Hot water
- Heating equipment - Power Source
- Industrial equipment - Kiln, oven, furnace
- Industrial equipment - Manufacturing equipment
- Industrial equipment - Other
- Heating equipment - Other heating equipment

- 3.3 The following table is totals of the top 5 most common electrical products that were the cause of the electrical fire incidents between the fiscal years 2021/22 to 2023/24.

Fiscal year	Cooker incl. oven	Tumble dryer	Grill/Toaster	Microwave	Washing machine
2021/2022	140	18	15	10	14
2022/2023	125	18	17	13	12
2023/2024	126	18	14	18	8
Total	391	54	46	41	34

- 3.4 The table below is number of injuries that occurred during the overall number of electrical fire incidents.

Fiscal year	Total
2021/2022	5
2022/2023	5
2023/2024	2
Total	12

The table below is number of fatalities that occurred during the overall number of electrical fire incidents.

Fiscal year	Total
2021/2022	0
2022/2023	1
2023/2024	0
Total	1