



# **Health and Safety Statistical Analysis Report for**

## **2017/2018**

**Issue: 007**

**Date: 30<sup>th</sup> January 2019**

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## 1. Introduction

This report deals with data provided by those Member Organisations\* that have volunteered to provide information on injuries and dangerous occurrences reported by them to the Health and Safety Executive (HSE) in accordance with the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR). The data was collected in the period 01 April 2017 to 31 March 2018.

*\*A Member Organisation is defined as a home building company that is represented on the Home Builders Federation (HBF) Health and Safety Committee.*

These data have been analysed in various ways and a written summary is contained in this report. The scope of the reporting covers all locations under the control of each Member Organisation with the exception of locations operated by main contractors employed by a Member Organisation as a 'Principal Contractor' under the Construction (Design and Management) Regulations 2015.

## 2. General Data

- **25** Member Organisations contributed their data during the year (*23 contributed last year*).
- The **25** Member Organisations reported an average number employed of **143,366** people resulting in a 19% increase on last year (*the 23 member organisations employed an average of 120,280 in 2016/2017*).

**Table 2.1: Member Organisations and Average Number Employed**

	<b>2017/ 2018</b>	2016/ 2017	2015/ 2016	2014/ 2015	2013/ 2014	2012/ 2013	2011/ 2012	2010/ 2011	2009/ 2010	2008/ 2009	2008/ 2007
Number of Member Organisations	<b>25</b>	23	23	20	20	22	17	17	17	16	19
Average Number Employed <sup>1</sup>	<b>143,366</b>	120,280	117,912	102,052	86,519	81,470	74,887	66,879	55,880	61,695	100,317

<sup>1</sup> the average number employed is calculated over the same period as the data. The figure includes Member Organisation payroll employees as well as contractor and agency staff carrying out work for Member Organisations. It does not include:

- Visitors to Member Organisation locations
- Members of the public
- Delivery drivers to Member Organisation locations
- Contractors employed by the Member Organisation as a 'Principal Contractor' under the CDM Regulations

### 3. Reportable Injuries

#### Directly employed

- There were **no** fatal injuries during the year – zero for the 9<sup>th</sup> consecutive year.
- There were **35** ‘major injuries’ (6% up on last year’s 33).
- There were **67** ‘over 7 day injuries’ (up 14% on last year’s 59)

#### Subcontractors

- There were **2** fatal injuries during the year, (1 occurred last year).
- There were **149** ‘major injuries’ (up 6% on last year’s 140)
- There were **217** ‘over 7 day injuries’ (up 28% on last year’s 169)

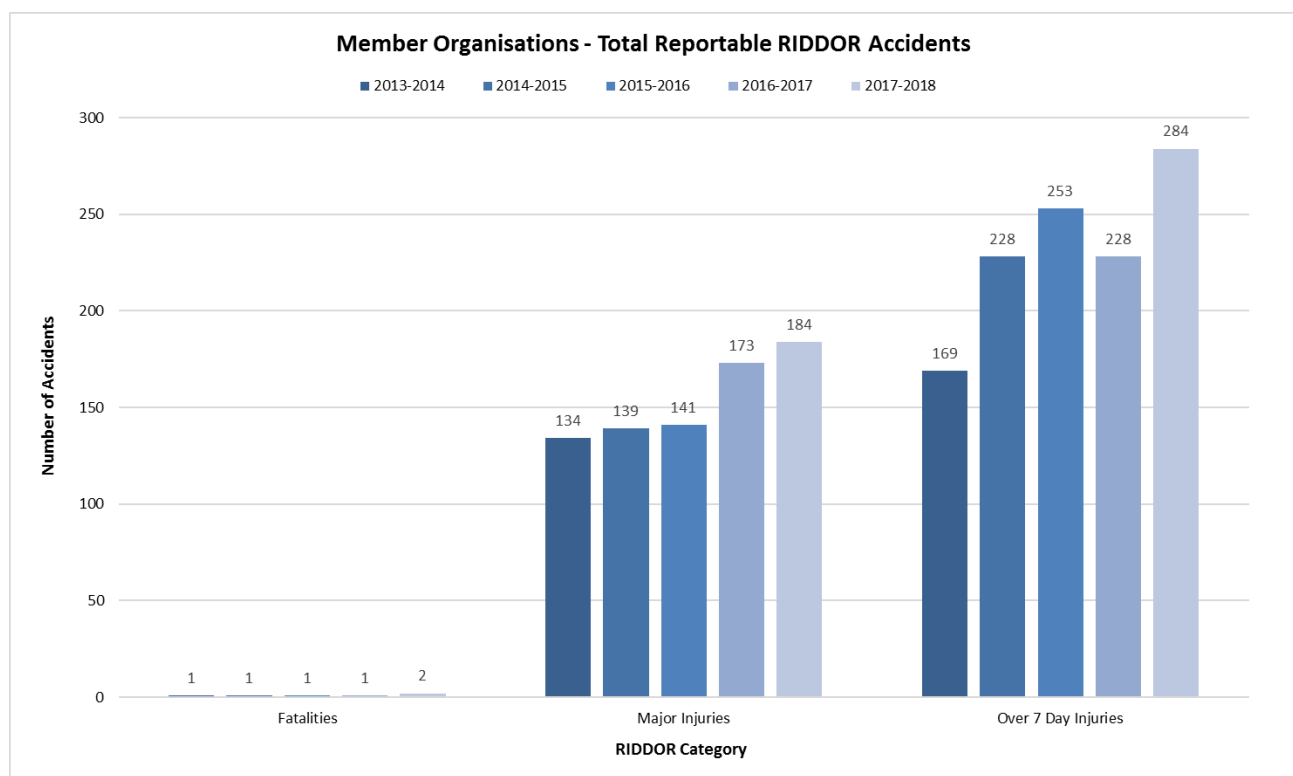
#### All reported injuries

The total number of injuries reported to the HSE during the year was **470** (up 17% on last year’s 402). The relevant data are given in Table 3.1 and Figure 3.1a below.

**Table 3.1: Annual Injury Incident Rate Reported Injuries (employed and subcontractors)**

	2017/ 2018	2016/ 2017	2015/ 2016	2014/ 2015	2013/ 2014	2012/ 2013	2011/ 2012	2010/ 2011	2009/ 2010	2008/ 2009
Fatalities	<b>2</b>	1	1	1	1	1	0	2	0	0
Major Injuries	<b>184</b>	173	141	139	134	113	108	108	90	94
Over 3 Day Injuries	--	--	--	--	--	--	261	259	205	252
Over 7 Day Injuries	<b>284</b>	228	253	228	169	155	--	--	--	--
Total	<b>470</b>	402	395	368	304	269	369	369	295	346

**Figure 3.1a: All Reported Injuries (employed and subcontractors) by RIDDOR Category**



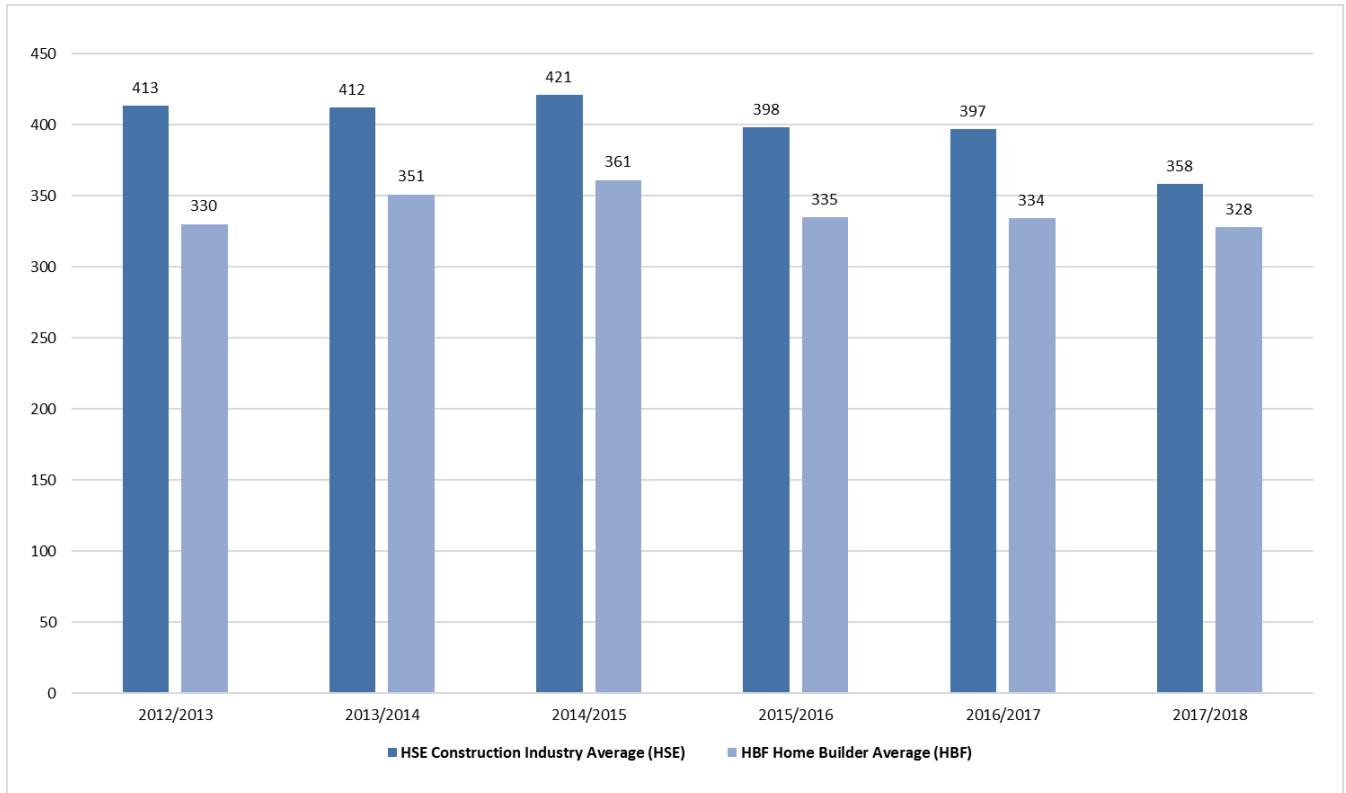
#### 4. Annual Injury Incidence Rate (AIIR)

The 'Home Builder' AIIR for 2017/2018 was **328\***, the previous year it was 334.

*\*470 incidents divided by an average number employed of 143,366 multiplied by 100,000 = 328*

Figure 4.1a compares the Home Builder Federation's AIIR with the HSE's Construction Industry's AIIR between 2012 and 2018.

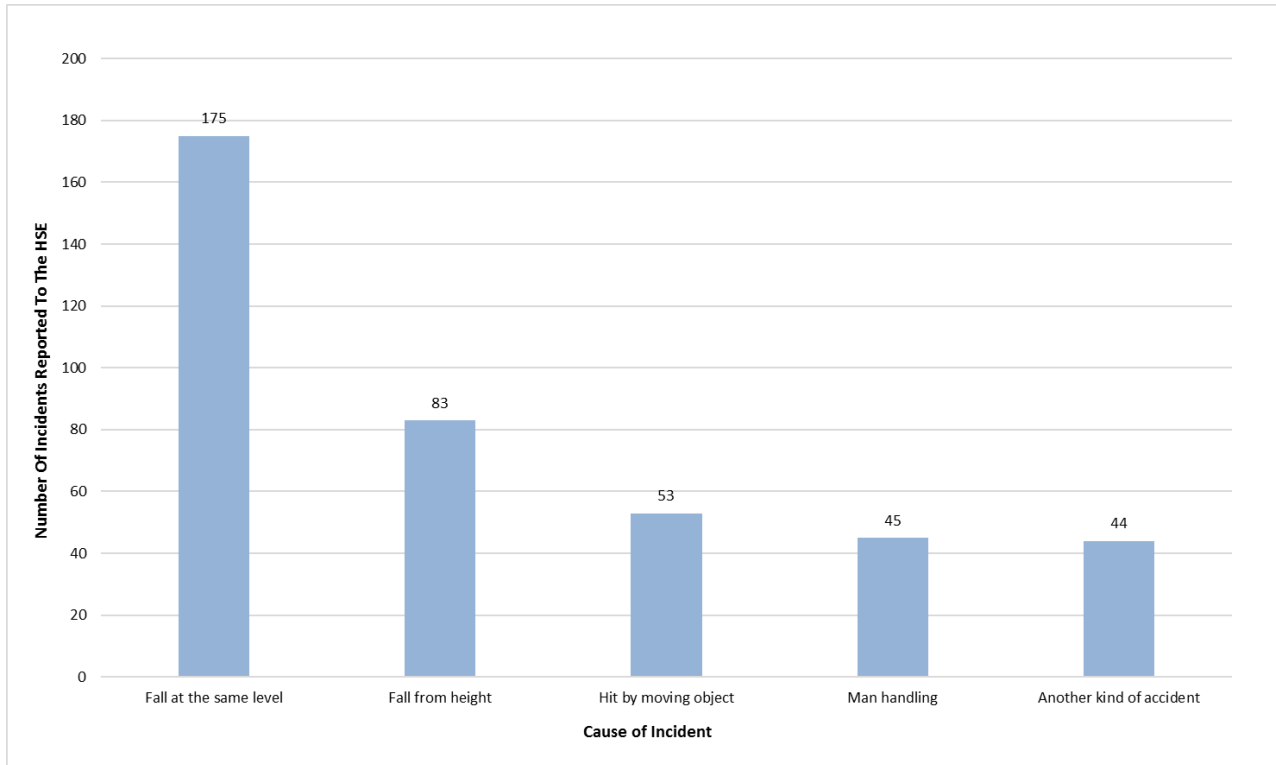
**Figure 4.1a: Annual Injury Incidence Rate for the periods 2012/13 to 2017/2018**



## 5. Causes of Injury

Falling at the same level accounted for 37% of all incidents (directly employed and contractors) reported to the HSE in accordance with RIDDOR. Figure 5.1a below details the top five causes of injury by number reported (calculated by combining Figure 5.1 and 5.2):

**Figure 5.1a: Top Five Causes of Injury (employed and subcontractors)**

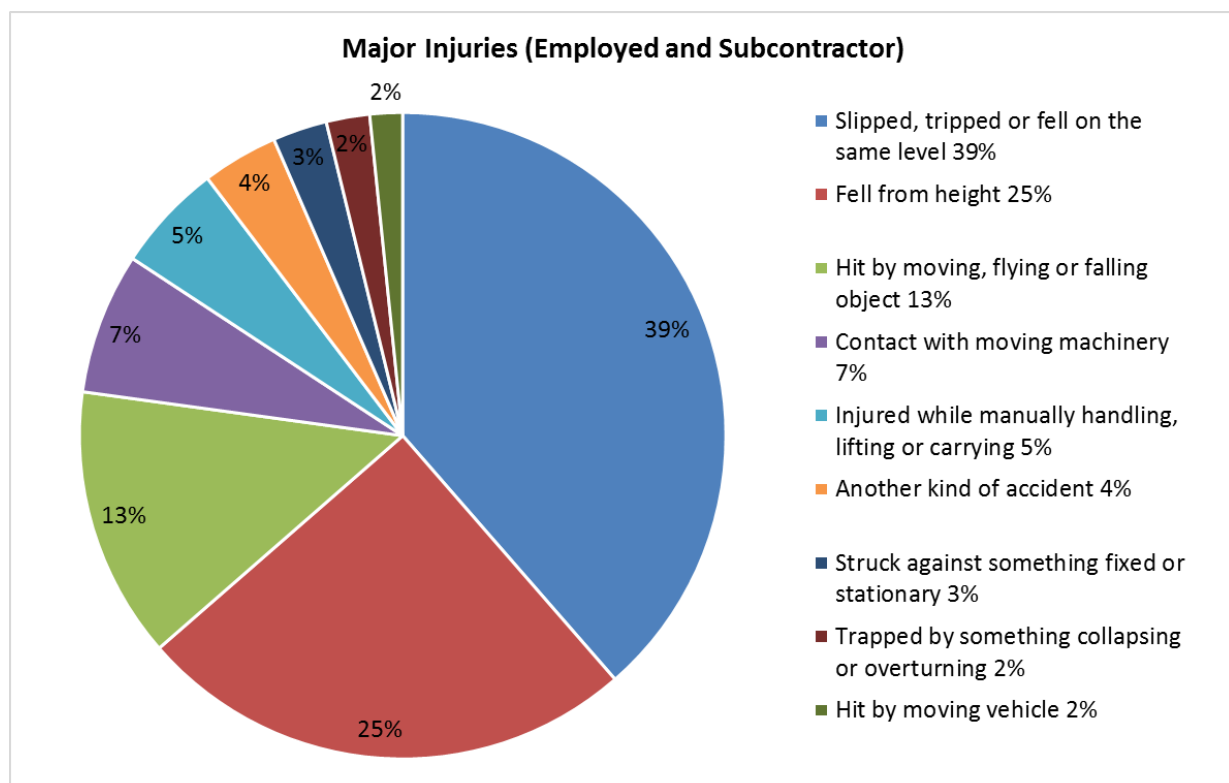


## Major Injuries

Table 5.1 The figures below provide information on the causes of major injuries to employed staff and subcontractors by reporting year.

**Table 5.1: Major Injuries (employed and subcontractors)**

	2017/ 2018	2016/ 2017	2015/ 2016	2014/ 2015	2013/ 2014
Slipped, tripped or fell on the same level	71	68	53	56	54
Fell from height	46	40	44	41	23
Hit by moving, flying or falling object	25	29	18	18	21
Contact with moving machinery	13	6	6	5	8
Injured while manually handling, lifting or carrying	10	8	7	7	11
Another kind of accident	7	9	5	6	8
Struck against something fixed or stationary	5	2	1	1	1
Trapped by something collapsing or overturning	4	4	2	1	2
Hit by moving vehicle	3	6	5	4	3
Physically assaulted by a person	0	1	0	0	2
Drowned or asphyxiated	0	0	0	0	1
Exposed to or contact with a harmful substance	0	0	0	0	0
Exposed to fire	0	0	0	0	0
Exposed to explosion	0	0	0	0	0
Contact with and electrical discharge	0	0	0	0	0
Injured by an animal	0	0	0	0	0
Total	184	173	141	139	134

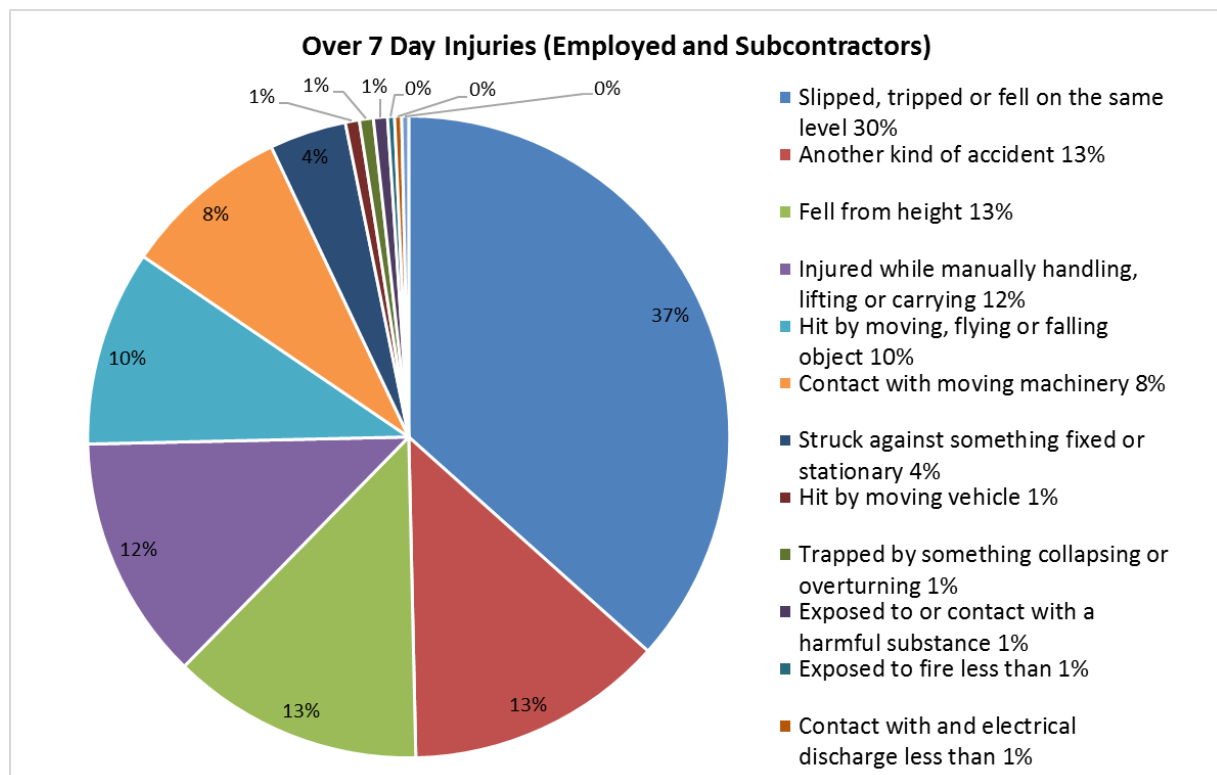


## Over 7 Day Injuries

Table 5.2 The figures below provide information on the causes of 'over 7 day injuries' to employed staff and subcontractors by reporting year.

**Table 5.2: Over 7 Day Injuries (employed and subcontractors)**

	2017/ 2018	2016/ 2017	2015/ 2016	2014/ 2015	2013/ 2014
Slipped, tripped or fell on the same level	104	80	90	79	60
Another kind of accident	37	33	37	20	22
Fell from height	36	32	40	31	19
Injured while manually handling, lifting or carrying	35	21	29	22	16
Hit by moving, flying or falling object	28	33	31	39	23
Contact with moving machinery	24	16	11	25	10
Struck against something fixed or stationary	11	7	8	5	9
Hit by moving vehicle	2	3	1	4	3
Trapped by something collapsing or overturning	2	1	3	1	2
Exposed to or contact with a harmful substance	2	1	1	1	3
Contact with electrical discharge	1	1	2	0	0
Exposed to fire	1	0	0	0	1
Physically assaulted by a person	1	0	0	0	0
Exposed to explosion	0	0	0	1	0
Drowned or asphyxiated	0	0	0	0	0
Injured by an animal	0	0	0	0	0
Total	284	228	253	228	169



## 6. Data on Slips, Trips and Falls on the Same Level

Of the 470 incidents reported to the HSE (see table 3.1) **175 were attributable to slips, trips and falls on the same level**. Member Organisations were asked to submit data on these incidents and 175 reports were received. Table 6.1 summarises the analysis carried out.

**Table 6.1: Summary of Causes**

<b>There has been a total of 175 Slips, Trips and Falls on the same level</b>	<b>5(A) Slip, no fall</b>	<b>5(B) Slip, fall</b>	<b>(5C) Trip, no fall</b>	<b>5(D) Trip, fall</b>	<b>5(E) Fall</b>	<b>Totals</b>
<b>Scaffold use</b>	4	5	5	12	1	27
<b>Steps / Stairways</b>	4	15	0	4	1	24
<b>Materials</b>	4	2	6	8	1	21
<b>Rough/Uneven Ground</b>	9	4	1	6	0	20
<b>Other</b>	3	8	5	2	2	20
<b>Ice / Snow</b>	1	8	0	0	0	9
<b>Holes</b>	0	2	1	3	2	8
<b>Ditches / Trenches</b>	2	3	1	1	1	8
<b>Vehicles</b>	2	4	0	1	0	7
<b>Doorways / Exits</b>	1	1	0	3	2	7
<b>Roof work</b>	1	1	1	4	0	7
<b>Ladder use</b>	2	2	0	0	1	5
<b>Wet Ground</b>	0	2	0	0	0	2
<b>Tools</b>	0	0	1	1	0	2
<b>Footwear</b>	0	0	0	2	0	2
<b>Unknown</b>	1	0	1	0	0	2
<b>Waste</b>	1	0	0	1	0	2
<b>Wet Floor</b>	1	1	0	0	0	2
<b>Stepladders</b>	0	0	0	0	0	0
<b>Flora</b>	0	0	0	0	0	0
<b>Totals</b>	<b>36</b>	<b>58</b>	<b>22</b>	<b>48</b>	<b>11</b>	<b>175</b>

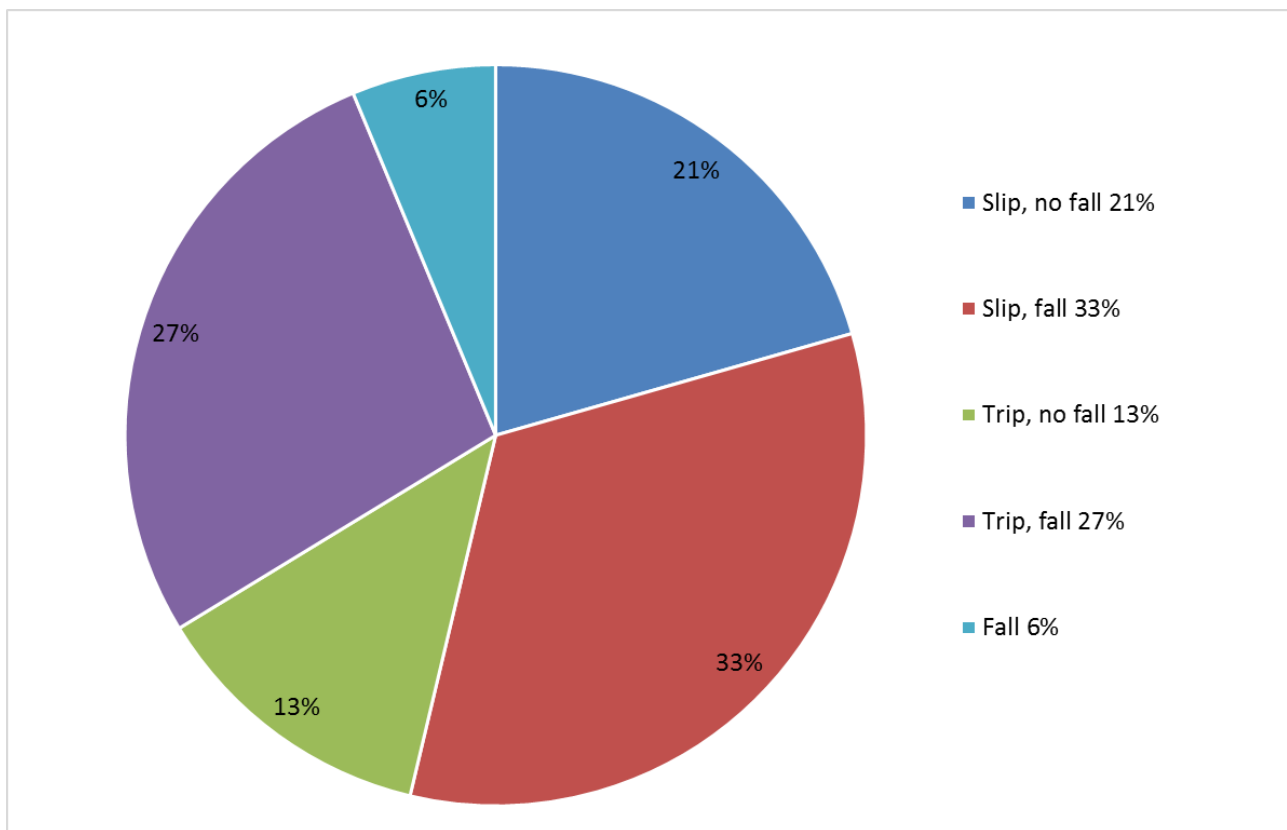
It can be seen from Table 6.1 that the main four causes (contributing to 53% of the total) from falls at same level are:

- Scaffold use
- Steps and stairways
- Materials
- Rough and uneven ground

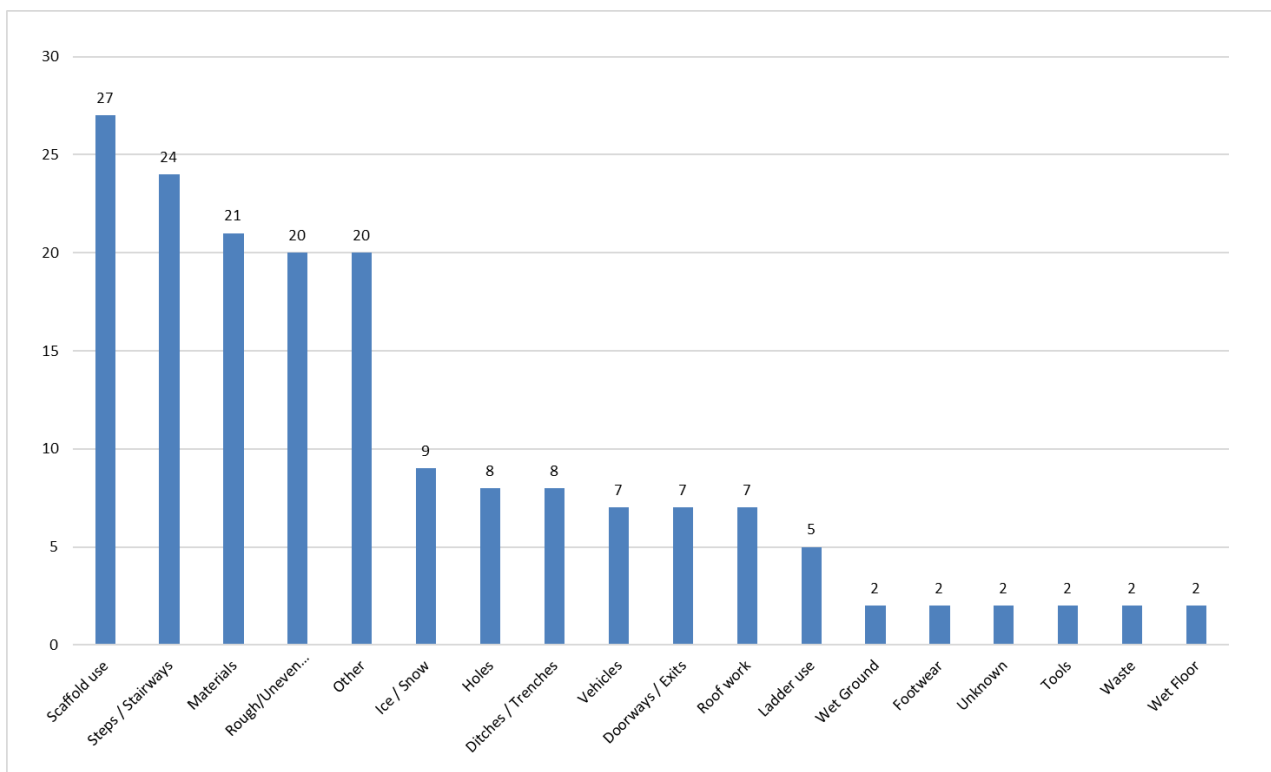


Further details are given in figures 6.1a and 6.1b

**Figure 6.1a: Pie Chart for the number of key Slips, Trips and Falls categories**



**Figure 6.1b: Bar chart of Slips, Trips and Falls Contributory Causes**

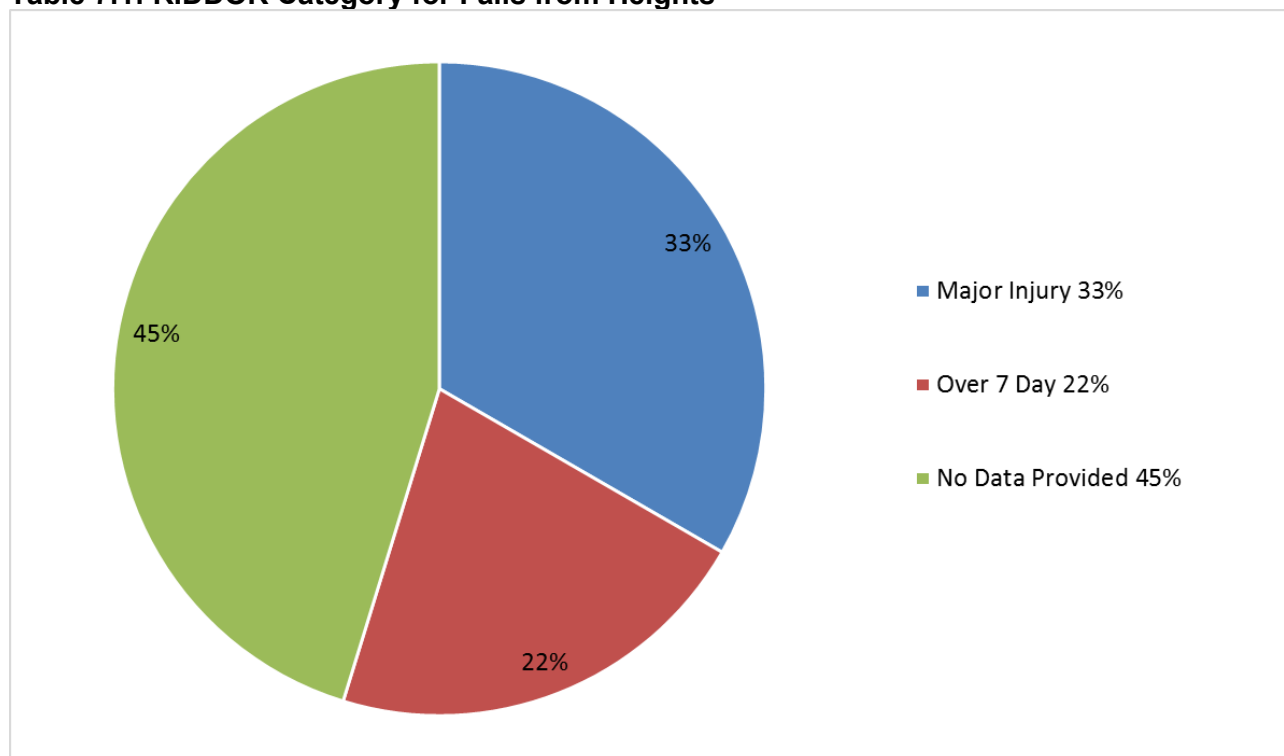


## 7. Data on Fall from Heights

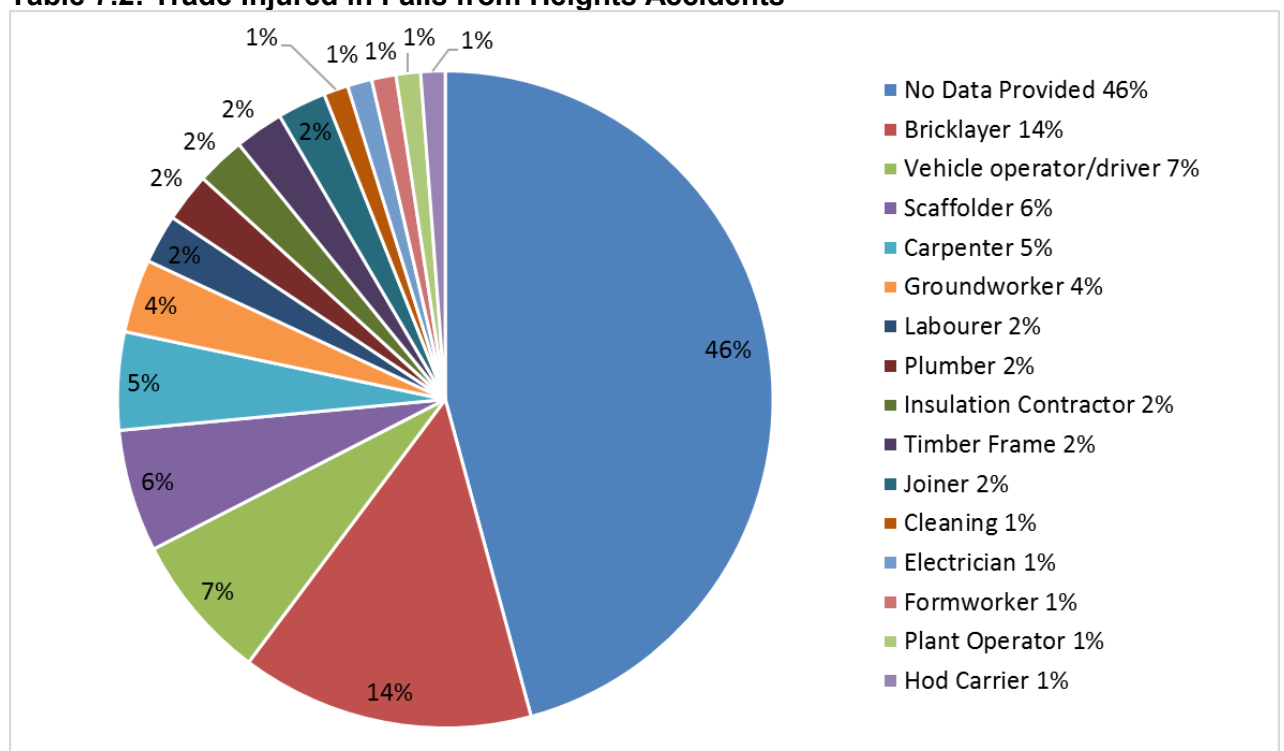
Of the 470 incidents reported to the HSE (see table 3.1) **83 were attributable to falls from heights** (See Figure 5.1 and Figure 5.2). Member organisations were asked to submit additional data on these incidents and **40 reports were received out of the 83 incidents\***. The tables below summarise the analysis carried out.

*\*Not all data was provided by the organisations as they were asked to provide new and additional information than was previously considered. This will be addressed in the 2018-2019 report.*

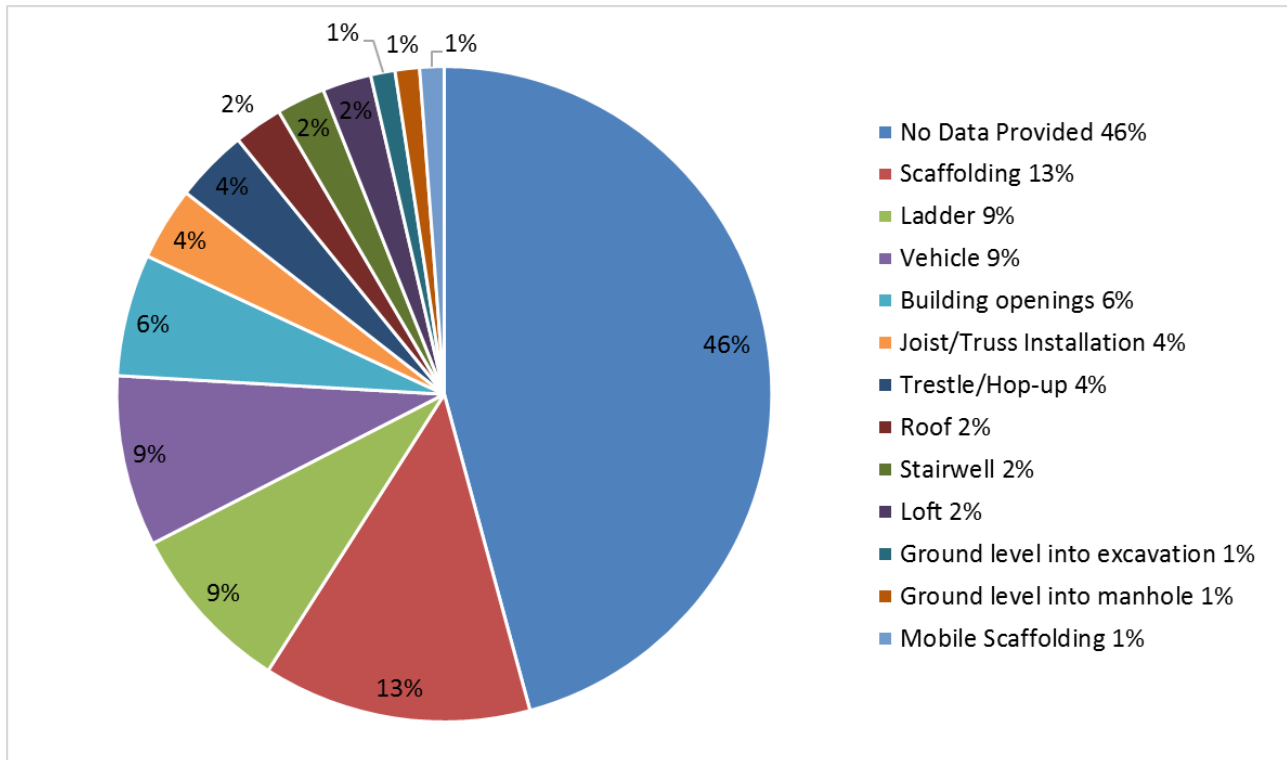
**Table 7.1: RIDDOR Category for Falls from Heights**



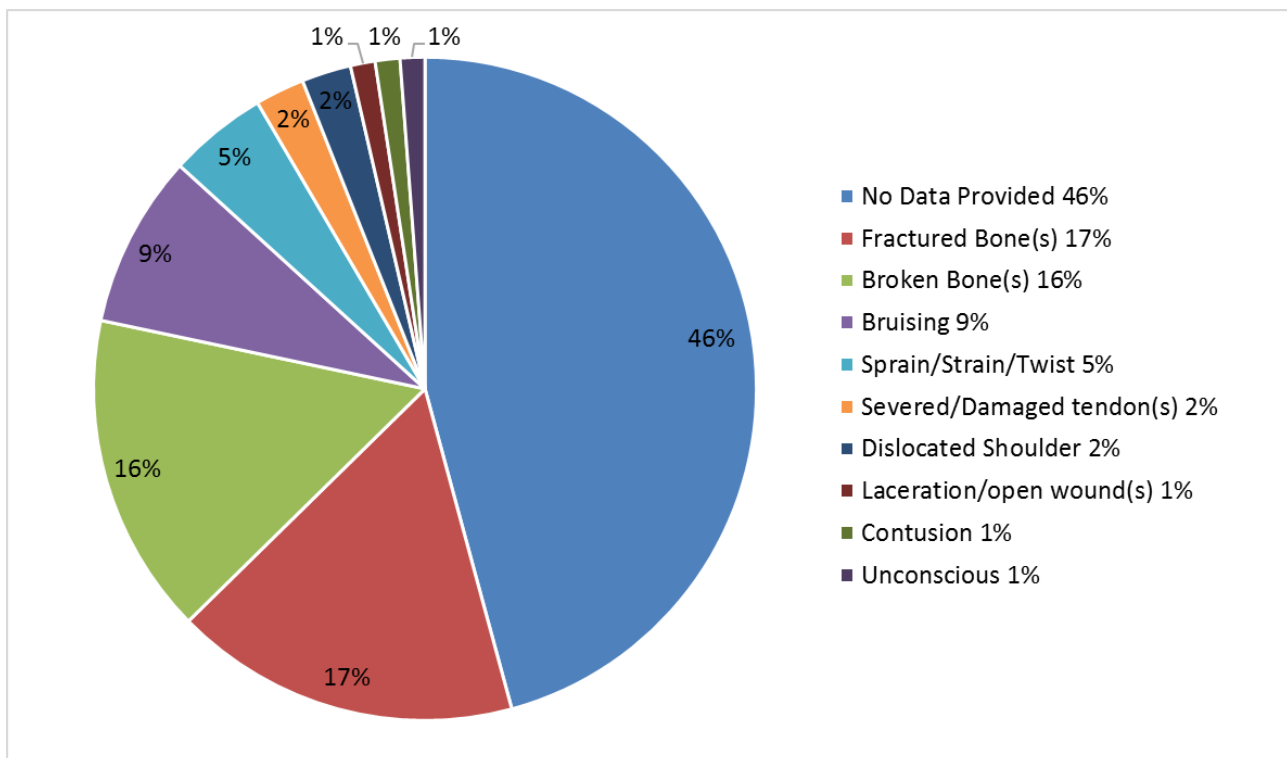
**Table 7.2: Trade Injured in Falls from Heights Accidents**



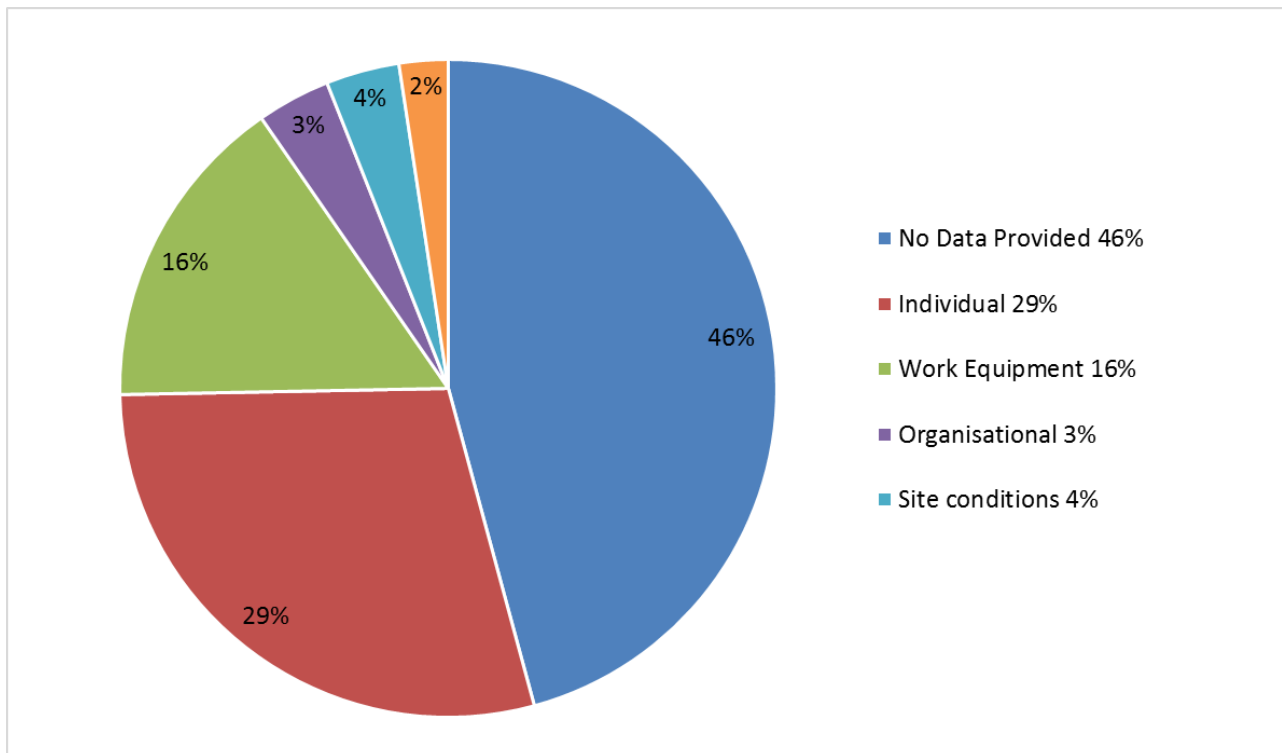
**Table 7.3: Type of Falls from Heights Accidents**



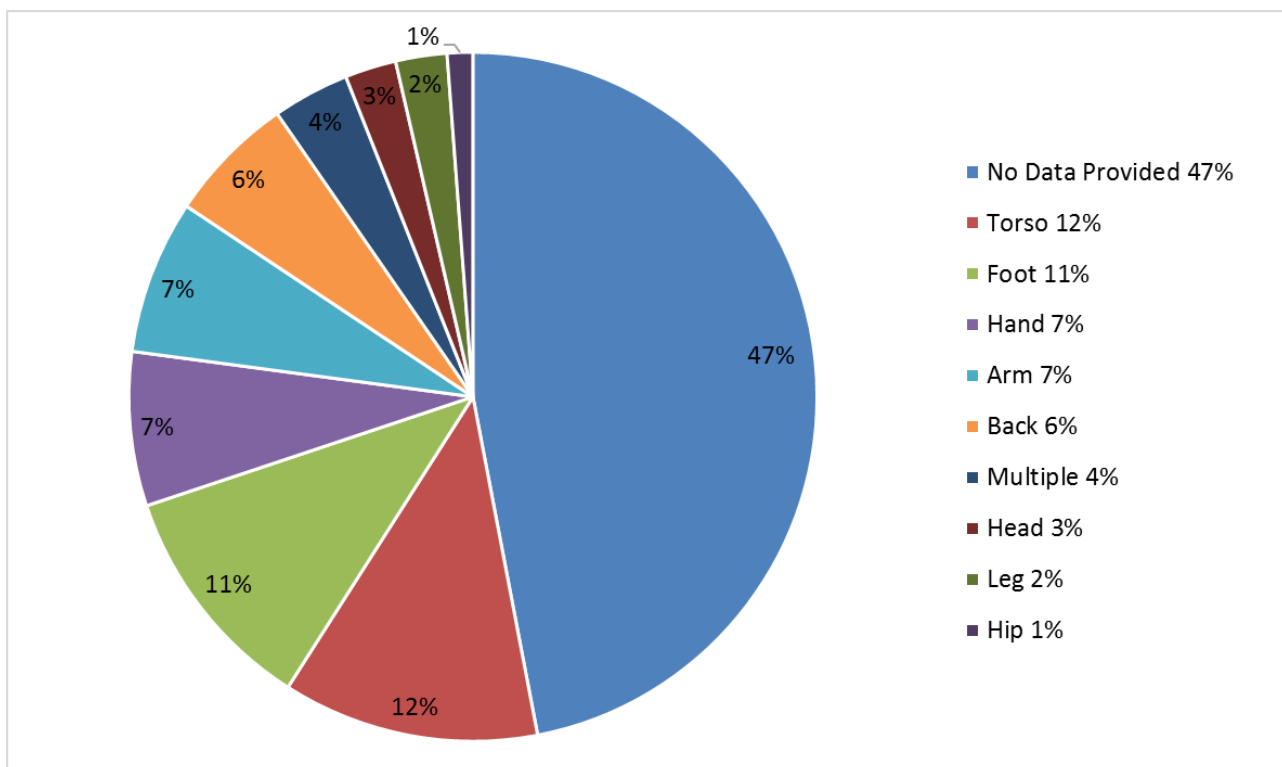
**Table 7.4: Injury Outcome from Falls from Heights**



**Table 7.5: Leading Falls from Heights Accidents Causation Factors**



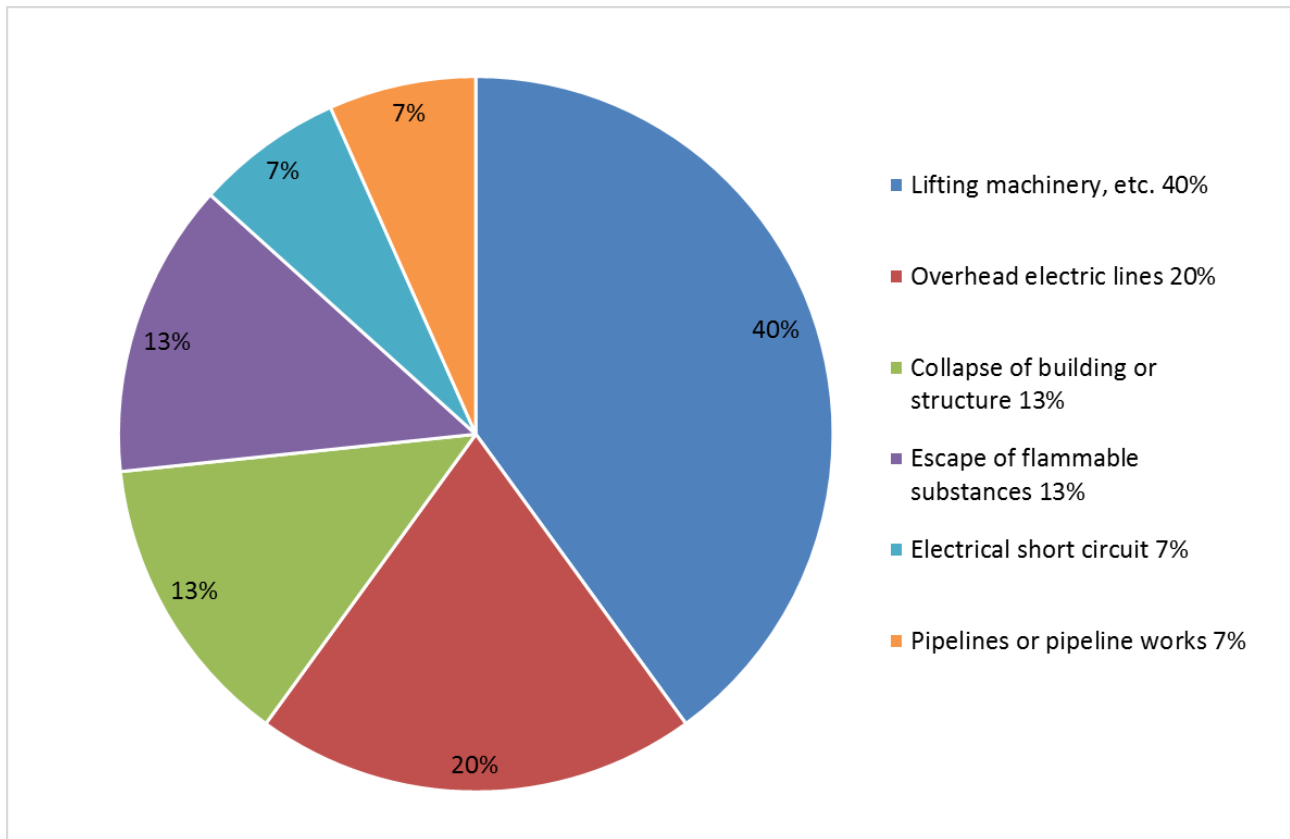
**Table 7.6: Part of Body Injured in Falls from Heights Accidents**



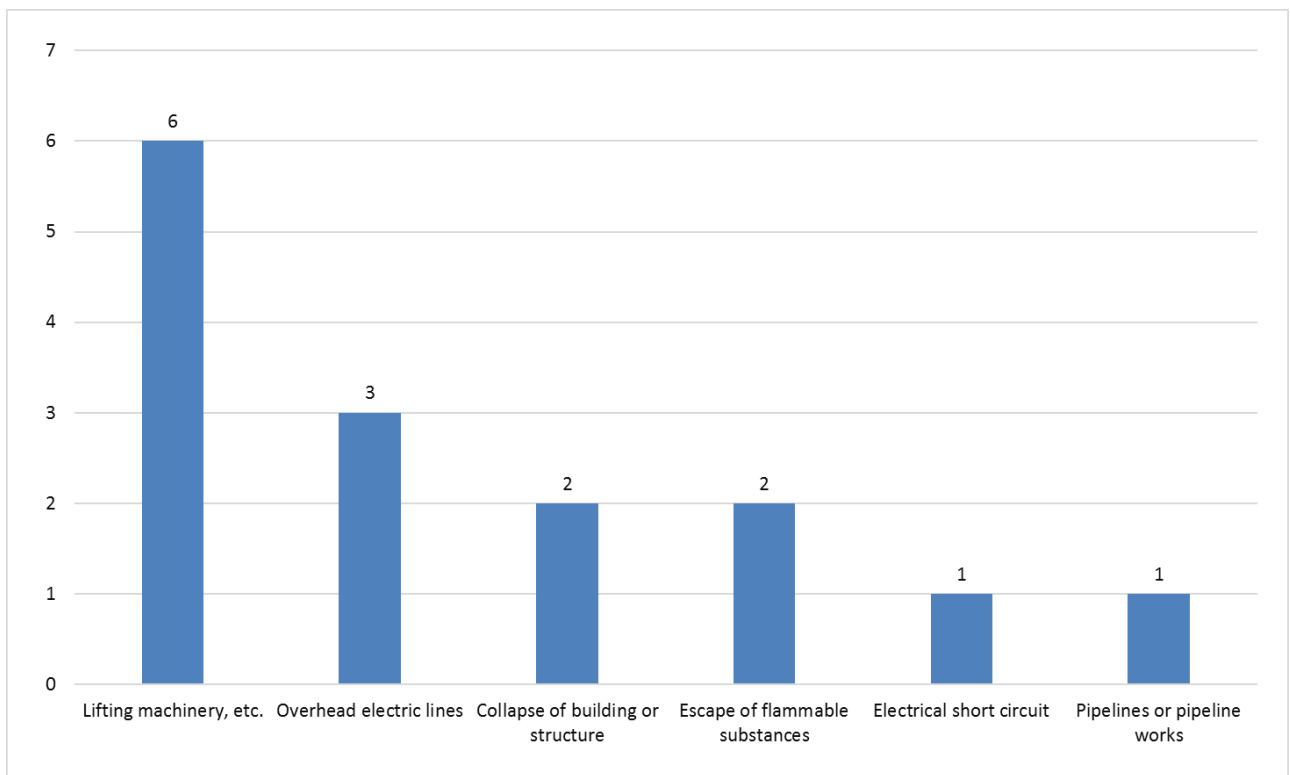
## 8. Dangerous Occurrences

During the year 15 dangerous occurrences were reported to the HSE (13 were reported last year). Figure 8.1a below details the kinds of dangerous occurrences reported.

**Figure 8.1a: Percentage of Each Dangerous Occurrence**



**Figure 8.1b: Dangerous Occurrences by Kind**



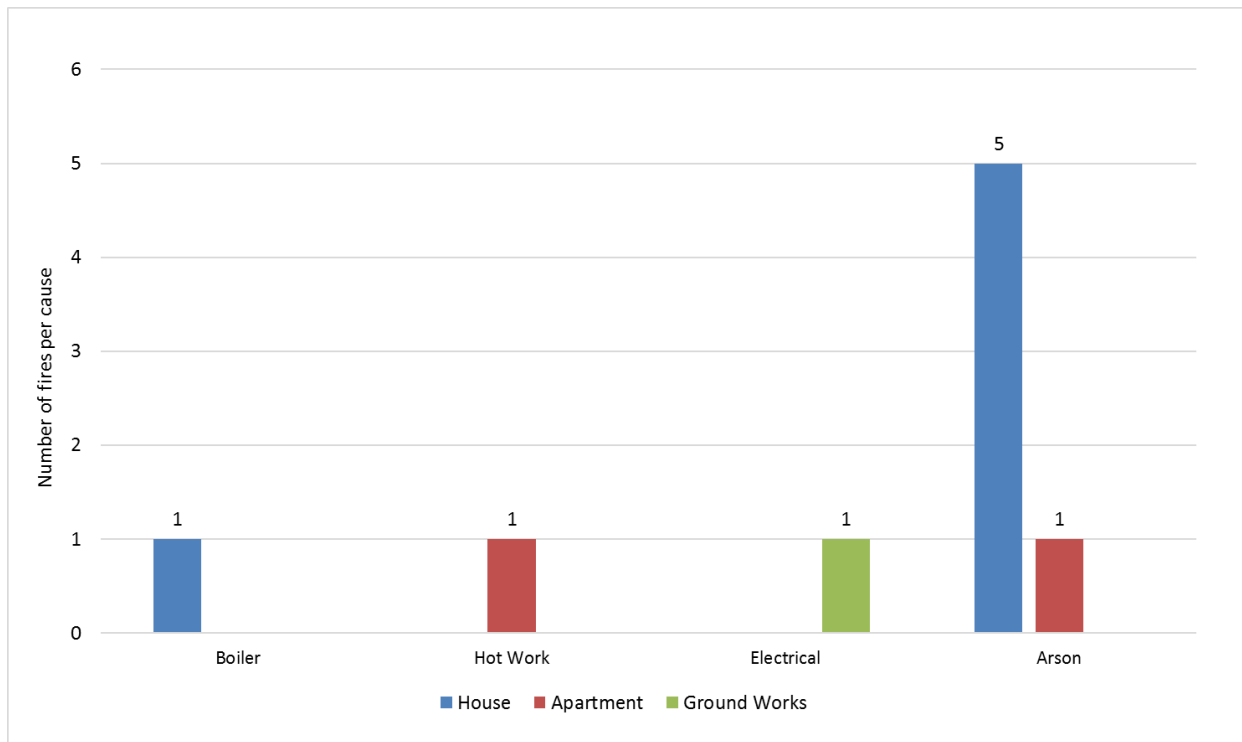
## 9. Fires on Construction Sites

During the year 10 fires were reported (5 last year).

- 2 RC Frame apartments
- 4 brick and block houses
- 2 timber frame houses
- 2 Traditional builds

The causes of the fires by property are detailed in figure 9.1.

**Figure 9.1: Causes of Fire by Property**

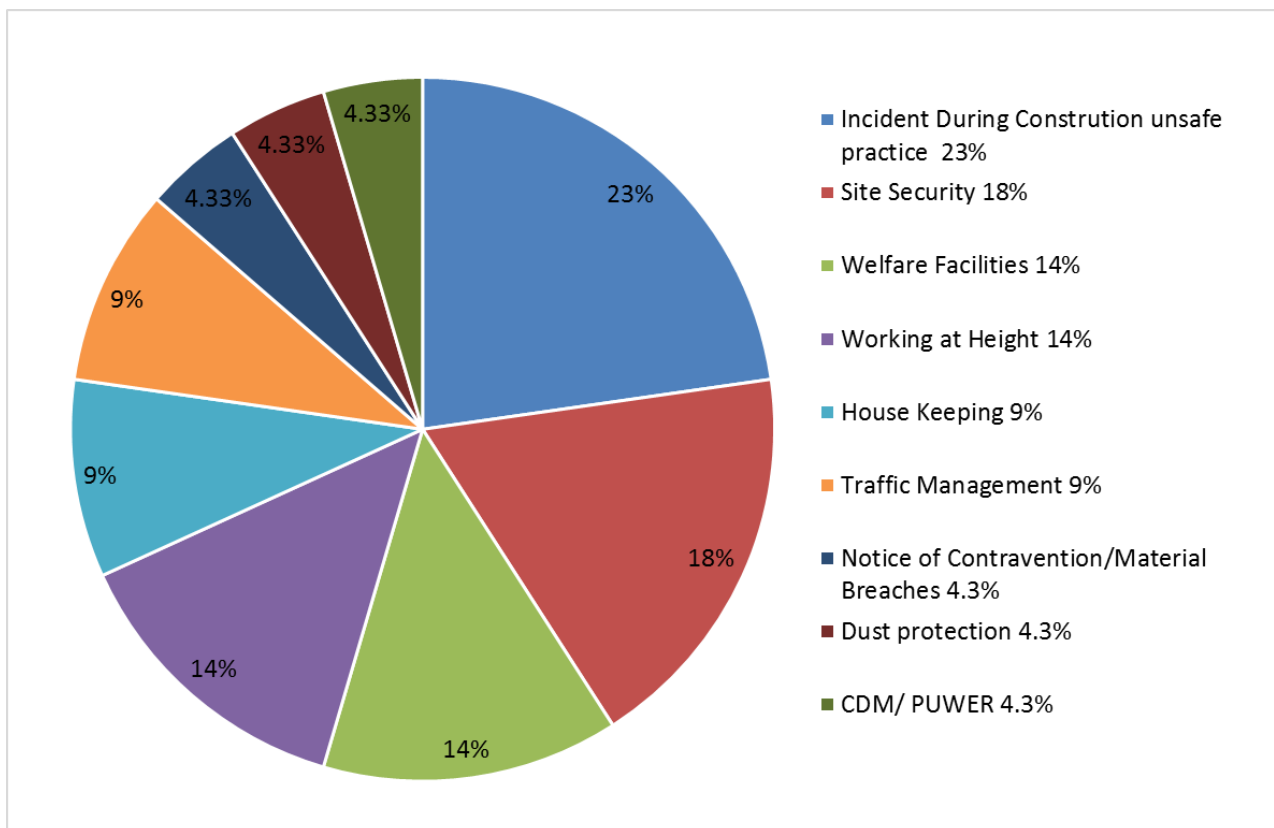


## 10. Notifications of Contravention

During the year the Health and Safety Executive (HSE) served a total of 22 Notifications of Contravention\* upon Member Organisations (23 last year). Figure 10.1a gives the reasons for the HSE issuing the Notices.

- 6 were invoiced, resulting in a total of £2,631.20 being paid to the HSE (giving an average of £438.53 per Notice of Contravention)
- 16 were awaiting an invoice at the time this report was published

**Figure 10.1: Notification of Contravention by Reason**



\* *Health and Safety (Fees) Regulations 2012, whereby the HSE can recover their costs when they discover 'material breaches' and issue a Notification of Contravention.*

## 11. Causes of Injury – HSE Figures for the Construction Industry

The HSE Statistical report 'ridkind' that details the causes of both 'major injuries' and 'over seven day injuries' for the construction industry will be published in November 2018 and this table will be updated soon after.

	<u>Major injuries</u>		<u>Over seven day injuries</u>
1.	Slipped, tripped or fell on the same level	1.	Injured while manually handling, lifting or carrying
2.	Fell from height	2.	Slipped, tripped or fell on the same level
3.	Struck against something fixed or stationary	3.	Another kind of accident
4.	Injured while manually handling, lifting or carrying	4.	Fell from height
5.	Another kind of accident	5.	Struck against something fixed or stationary

## 12. Members of the public

- There were 7 reportable injuries and the causes were attributed to:
  - 6 Slipped, tripped or fell on the same level
  - 1 Another kind of accident

**Table 11.1: Reported Injuries to Members of the Public**

	2017/ 2018	2016/ 2017	2015/ 2016	2014/ 2015	2013/ 2014	2012/ 2013	2011/ 2012	2010/ 2011	2009/ 2010	2008/ 2009
Members of the public	7	7	11	7	8	3	7	8	14	6