Offshore Statistics & Regulatory Activity Report 2018

Full-year details and explanatory notes

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Preface

HSE is responsible for regulating health and safety matters offshore. The Health and Safety at Work Act 1974 (HSWA), supported by the HSWA (Application outside Great Britain) Order 2013, defines HSE's jurisdiction. HSE works with other regulators under Memorandum of Understandings and agency agreements where there are potential overlaps in responsibilities.

In July 2015, HSE and the Department of Energy and Climate Change (DECC) created the Offshore Safety Directive Regulator (OSDR), which is the Competent Authority (CA) responsible for implementing the requirements of the EU Directive on the safety of offshore oil and gas operations. The Department for Business, Energy and Industrial Strategy (BEIS) was created on 14 July 2016 as a result of a merger between the DECC and the Department for Business, Innovation and Skills. OSDR is therefore now a partnership jointly managed and operated by BEIS’s Offshore Petroleum Regulator for Environment & Decommissioning unit (OPRED) and HSE.

The Oil and Gas Authority (OGA) became an Executive Agency of DECC on 1 April 2015 and on 1 October 2016 was incorporated as a Government Company with the Secretary of State for BEIS as the sole shareholder. The OGA licence oil and gas exploration and extraction and operates independently from BEIS and HSE.

This Offshore Statistics & Regulatory Activity Report provides details of offshore injuries, dangerous occurrences and ill health reported to HSE under the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR), and HSE’s regulatory activity offshore during 2018. The data in this report is a frozen, validated snapshot of operational information from HSE systems, and is published as Official Statistics. Wherever possible, data is based on a calendar year. Data for the most recent year is marked as provisional to allow for minor adjustments to be made when they are released as final in the subsequent annual report. This may be necessary if there are, for example, late reports or corrections. In practice, such changes are infrequent and would usually make a negligible difference to the numbers.

General inclusions to this report

The RIDDOR data includes incidents occurring on:

- offshore installations
- offshore wells and activities in connection with them
- offshore pipelines, pipeline works and certain activities in connection with pipeline works
- offshore diving operations

The regulatory activity information includes the following:

- Safety case assessments
- Complaints (Concerns)
- Inspections
- Investigations
- Enforcement (Notices and Prosecutions)

General exclusions to this report

This Offshore Statistics & Regulatory Activity Report does not include:

- Incidents arising from marine activities that are not directly connected with offshore operations (e.g. vessels or rigs in transit). The Maritime and Coastguard Agency (MCA) has primary responsibility for maritime safety. Information on marine incidents can be found on the MCA website at [www.gov.uk/government/organisations/maritime-and-coastguard-agency](http://www.gov.uk/government/organisations/maritime-and-coastguard-agency).

- Air transport activities (including transport to, from or between installations), except incidents involving helicopters whilst on an offshore installation. The Civil Aviation Authority (CAA) has responsibility for aircraft flight safety. HSE has responsibility to ensure that heli-decks on offshore installations are safe. Information on air transport incidents can be found on the CAA website at [www.caa.co.uk](http://www.caa.co.uk).

Oil & Gas UK (OGUK), the leading representative body for the UK offshore industry, also produce an annual health and safety report. This can be found on their website at [www.oilandgasuk.co.uk](http://www.oilandgasuk.co.uk).
Executive Summary

Headline statistics for 2018:

- There were no fatal injuries in 2018; there have been six fatalities in the last 10 years
- There were 19 specified injuries, with a rate of 66 per 100,000 full-time equivalent (FTE) workers
- There were 87 over-7-day injuries, with a rate of 300 per 100,000 FTE workers
- There were 235 dangerous occurrences reported
- There were 112 hydrocarbon releases
- There were 126 inspections undertaken at 111 offshore installations
- There were 134 safety cases were assessed
- 35 investigations were completed
- 22 workplace health and safety concerns were followed up
- 1257 non-compliance issues were raised with operators
- 32 enforcement notices were issued (30 improvement notices and two prohibition notices)
- There was one prosecution case initiated in 2018

Industry profile

The UK offshore industry operates the Vantage personnel tracking system, which records the number of nights of Persons on Board (PoB). Details can be found at www.logic-oil.com/vantagepob. Using this information it can be determined that in 2018, 4.8 million days were spent offshore.

It is estimated that there was an offshore population of 29,000 full time equivalent (FTE) workers in 2018, compared to 29,700 in 2017.

FTE is based on the assumption that each shift on average lasts 12 hours, and an FTE worker works 2000 hours annually:

\[ FTE = \text{Total PoB Nights} \times 12 \div 2000 \]

The assumption that a full time equivalent works 2000 hours a year is based on what other regulators do, in particular the Occupational Safety and Health Administration (OSHA), the regulatory agency of the US federal government found at www.osha.gov.

Each year, OGUK publish a report on activity in the UK Offshore Oil & Gas industry. Further Information can be found at https://oilandgasuk.co.uk/product/business-outlook-report.
Analysis of incident data

RIDDOR data for the period 2007/08 to 2012/13 is based on fiscal year (April-March). Data from 2012 is based on calendar year (January-December).

All reported injuries

For RIDDOR, a number of changes to the reporting system and legal requirements have occurred over recent years, making comparisons difficult with previous data. For more information, see www.hse.gov.uk/statistics/riddor-notification.htm.

Key points for 2018:

- There was a total of 106 injuries reported under RIDDOR, with a rate of 365 injuries per 100,000 full-time equivalent workers (FTE)
- There were no fatal injuries in 2018
Fatal injuries
Key points for 2018:
- There were no fatal injuries in 2018
- There have been three fatalities in the last five years and six in the last 10 years, of which:
  - one fatality in 2016 (involving an employee being trapped by something collapsing)
  - two fatalities in 2014 (one fall from height, and one whilst conducting routine lifeboat maintenance)
  - one fatality in 2012 (associated with drowning/asphyxiation)
  - two fatalities in 2011/12 (one fall from height, and one occurring during a diving operation)

Major/Specified injuries
In October 2013, the classification of ‘major injuries’ to workers was replaced with a shorter list of ‘specified injuries’ (see www.hse.gov.uk/riddor/specified-injuries.htm for more information).
Key points for 2018:
- There were 19 specified injuries reported, a similar number to the previous two years
- The rate was 66 per 100,000 FTE workers in 2018, compared to 61 per 100,000 in the previous year

Figure 3: Reported major/specified injuries (offshore), 2007/08 – 2018p

Figure 4: Reported specified injuries (offshore), by quarter, 2017 & 2018p

Source: RIDDOR
p = Provisional
FTE = full-time equivalent worker
Over-3-day/Over-7-day injuries

In April 2012, the legal requirement to report injuries to workers resulting in more than three days absence ('over-3-day') changed to 'over-7-day'.

Key points for 2018:
- There were 87 over-7-day injuries reported, compared to 66 in 2017
- The rate was 300 injuries per 100,000 FTE workers, compared to 222 in 2017

Figure 5: Reported over-3-day/over-7-day injuries (offshore), 2007/08 – 2018

Figure 6: Reported over-7-day injuries (offshore), by quarter, 2017 & 2018

Source: RIDDOR
p = Provisional
FTE = Full-time equivalent (worker)

Some additional charts follow, that provide breakdowns by nature of injury, part of body injured, kind of accident, and injury severity, for the seven-year period 2012 to 2018.
Key points for 2018:

- Fractures accounted for nearly 90% of specified injuries reported (17 of 19)
- Sprains and strains accounted for 32% of over-7-day injuries reported (28 of 87)

Key points for 2018:

- Upper limb accounted for 50% of all injuries reported (53 of 106)
- Lower limb accounted for 26% of all injuries reported (28 of 106)
- In total, injuries to limbs accounted for all 19 of the specified injuries and 71% of over-7-day injuries (62 of 87)
Key points for 2018:

- Slips, trips or falls on same level were the most common injury type and accounted for 25% of all injuries reported (26 of 106). This was followed by handling, lifting or carrying (22%; 23 of 106) and striking against something fixed or stationary (17%; 18 of 106)

Comparison with other industry sectors:

The rate of 372 injuries per 100,000 full-time equivalent (FTE) workers for the offshore sector cannot be compared directly with injury rates for other industry sectors. This is because the way in which the industry workforce sizes for the other sector injury rates are defined is very different from the way the offshore population can be estimated for this report.

HSE publishes sector specific RIDDOR reported injury rates in its RIDIND tables which can be found at http://www.hse.gov.uk/tables/ridind.xlsx. These tables use Annual Population Survey estimates, with each respondent assigned to a single industry group according to the Standard Industrial Classification (SIC) code which best represents the primary activity of the workplace where they are employed.

The offshore industry is not easily defined in terms of SIC codes because of an overlap with similar onshore activities. The most closely corresponding grouping is SIC Division 06 which is defined as ‘extraction of crude petroleum and natural gas’. For this industry grouping, the latest RIDIND figures for 2017/18 show a rate of 751 non-fatal injuries per 100,000 employees.

The offshore population estimate used in this report instead derives from a count of Persons on Board as described in the Industry Profile section of this report. Contributing to that count will be any individual who spent a night on board an offshore installation, regardless of whether they are employed directly in the offshore sector. This includes individuals working as contractors or for other companies whose industry classification would range across a number of sectors, for example catering, maintenance, construction or education.
Dangerous Occurrences

As part of the changes introduced in October 2013 following a full-scale review of RIDDOR, many defined dangerous occurrence (DO) categories changed ‘type number’ as well as description. For more detail on DOs that are reportable at an offshore workplace, see www.hse.gov.uk/riddor/dangerous-occurrences.htm.

Key points for 2018:
- There were 235 DOs reported in 2018, compared to 217 in 2017 (and 249 in 2015); longer-term analysis of the trend in reported DOs is complicated by the above change
- Hydrocarbon releases accounted for over a third of the DOs reported under RIDDOR (41%; 96 of 235)
- The number of reported wells DOs is the same as last year having previously been decreasing steadily.
- While the number of hydrocarbon releases reported under RIDDOR increased in 2018, the grand total was similar to last year as there was a smaller number reported under EU Offshore Directive arrangements. Figure 11 provides detail of the totals.

Figure 10: Reported dangerous occurrences (offshore), 2007/08 - 2018p

<table>
<thead>
<tr>
<th>Year</th>
<th>HCRs</th>
<th>Wells</th>
<th>Pipelines</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007/08</td>
<td>189</td>
<td>37</td>
<td>10</td>
<td>273</td>
</tr>
<tr>
<td>2008/09</td>
<td>158</td>
<td>45</td>
<td>7</td>
<td>267</td>
</tr>
<tr>
<td>2009/10</td>
<td>188</td>
<td>29</td>
<td>41</td>
<td>176</td>
</tr>
<tr>
<td>2010/11</td>
<td>168</td>
<td>47</td>
<td>35</td>
<td>180</td>
</tr>
<tr>
<td>2011/12</td>
<td>133</td>
<td>37</td>
<td>26</td>
<td>267</td>
</tr>
<tr>
<td>2012</td>
<td>97</td>
<td>52</td>
<td>39</td>
<td>204</td>
</tr>
<tr>
<td>2013</td>
<td>105</td>
<td>42</td>
<td>29</td>
<td>183</td>
</tr>
<tr>
<td>2014</td>
<td>118</td>
<td>51</td>
<td>51</td>
<td>205</td>
</tr>
<tr>
<td>2015</td>
<td>94</td>
<td>36</td>
<td>40</td>
<td>239</td>
</tr>
<tr>
<td>2016</td>
<td>93</td>
<td>34</td>
<td>45</td>
<td>140</td>
</tr>
<tr>
<td>2017</td>
<td>61</td>
<td>30</td>
<td>44</td>
<td>114</td>
</tr>
<tr>
<td>2018</td>
<td>67</td>
<td>24</td>
<td>45</td>
<td>107</td>
</tr>
<tr>
<td>2018p</td>
<td>96</td>
<td>24</td>
<td>44</td>
<td>97</td>
</tr>
</tbody>
</table>

Hydrocarbon releases

Hydrocarbon releases (HCRs) are classified as ‘Minor’, ‘Significant’, or ‘Major’ on the basis of their severity; these definitions have been agreed with the offshore industry. Full HCR incident data and population data from 1992 to 2016 can be found in two separate excel spreadsheets at www.hse.gov.uk/offshore/statistics.htm. By combining incident and population data, estimates of the frequency of loss of containment incidents for equipment and system types can be determined.

The HCR release rate is based on the level of production in million barrels of oil equivalent per day (boe/d) reported by OGUK; latest data is available at https://oilandgasuk.co.uk/product/business-outlook-report.

As a result of the new EU Commission Implementing Regulation No. 1112/2014, some of HSE’s voluntary notification scheme became mandatory. As such, from July 2015, some non-process HCRs were allocated severity classifications again and by July 2017 all non-process HCRs were classified. To maintain a consistent back series, the non-process HCRs are still presented separately in Figure 11.

Key points for 2018:
- Since the introduction of the ROGI (‘Reporting of Oil and Gas Incidents’) form, all non-process HCRs (e.g. heli fuel and diesel spills) reported under the EU Offshore Directive arrangements are classified in the same way and against the same criteria as process HCRs.
- 16 of a total of 112 HCRs were reported solely under the EU Offshore Directive arrangements, i.e. they did not meet the criteria to be reportable under RIDDOR (and see further details below).
- The HCR release rate has fluctuated over the past 10 years but has increased slightly in each of the last two years.
- Non-process HCRs account for over 30% of HCR figures for 2016 to 2018, higher than in previous years.
Over the course of 2017 and 2018, 57 of the 220 HCRs detailed in Figure 12 were reported solely under the EU Offshore Directive arrangements, and did not meet the criteria to be reportable under RIDDOR. The following table provides a quarterly and annual breakdown of those HCRs, by the classification of severity assigned to them.

<table>
<thead>
<tr>
<th>Severity</th>
<th>Q1 2017</th>
<th>Q2 2017</th>
<th>Q3 2017</th>
<th>Q4 2017</th>
<th>Q1 2018p</th>
<th>Q2 2018p</th>
<th>Q3 2018p</th>
<th>Q4 2018p</th>
</tr>
</thead>
<tbody>
<tr>
<td>Awaiting Classification</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26</td>
</tr>
<tr>
<td>Non-process</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Minor</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Significant</td>
<td>110</td>
<td>93</td>
<td>95</td>
<td>109</td>
<td>82</td>
<td>58</td>
<td>70</td>
<td>47</td>
</tr>
<tr>
<td>Major</td>
<td>71</td>
<td>52</td>
<td>81</td>
<td>73</td>
<td>57</td>
<td>39</td>
<td>42</td>
<td>30</td>
</tr>
<tr>
<td>Release rate per 1m boe/d</td>
<td>66</td>
<td>55</td>
<td>74</td>
<td>82</td>
<td>78</td>
<td>67</td>
<td>82</td>
<td>66</td>
</tr>
</tbody>
</table>

* Over the course of 2017 and 2018, 57 of the 220 HCRs detailed in Figure 12 were reported solely under the EU Offshore Directive arrangements, and did not meet the criteria to be reportable under RIDDOR. The following table provides a quarterly and annual breakdown of those HCRs, by the classification of severity assigned to them.

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<tr>
<th>Severity</th>
<th>Q1 2017</th>
<th>Q2 2017</th>
<th>Q3 2017</th>
<th>Q4 2017</th>
<th>Q1 2018p</th>
<th>Q2 2018p</th>
<th>Q3 2018p</th>
<th>Q4 2018p</th>
</tr>
</thead>
<tbody>
<tr>
<td>Awaiting Classification</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26</td>
</tr>
<tr>
<td>Non-process</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Minor</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Significant</td>
<td>110</td>
<td>93</td>
<td>95</td>
<td>109</td>
<td>82</td>
<td>58</td>
<td>70</td>
<td>47</td>
</tr>
<tr>
<td>Major</td>
<td>71</td>
<td>52</td>
<td>81</td>
<td>73</td>
<td>57</td>
<td>39</td>
<td>42</td>
<td>30</td>
</tr>
<tr>
<td>Release rate per 1m boe/d</td>
<td>66</td>
<td>55</td>
<td>74</td>
<td>82</td>
<td>78</td>
<td>67</td>
<td>82</td>
<td>66</td>
</tr>
</tbody>
</table>
Occupational diseases

Similar to other incidents reportable under RIDDOR, an analysis of the trend in reported diseases is difficult due to changes to the reporting legislation over recent years.

Key points:

- There were 53 incidents of ill health reported over the period 2014 to 2018 and of these:
  - musculoskeletal conditions, such as hand-arm vibration syndrome, had the highest number of reports (25), followed by viral and bacterial conditions, such as chickenpox (16), and skin conditions, such as reports of occupational dermatitis (11).

Figure 13: Reported diseases (offshore), 2007/08 – 2018p

Source: RIDDOR

p = Provisional
---- Series break (fiscal to calendar year)
---- For RIDDOR, a number of system and legislative changes have occurred over recent years, making comparisons difficult with previous data. See: www.hse.gov.uk/statistics/riddor-notification.htm

<table>
<thead>
<tr>
<th>Year Interval</th>
<th>Musculoskeletal conditions</th>
<th>Viral or bacterial conditions</th>
<th>Pressure conditions</th>
<th>Skin conditions</th>
<th>Other conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/08</td>
<td>0</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>08/09</td>
<td>6</td>
<td>10</td>
<td>3</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>09/10</td>
<td>3</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10/11</td>
<td>6</td>
<td>7</td>
<td>4</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>11/12</td>
<td>5</td>
<td>8</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>12/13</td>
<td>5</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2012</td>
<td>10</td>
<td>8</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2013</td>
<td>8</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2014</td>
<td>8</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2015</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2016</td>
<td>5</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2017</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2018</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Regulatory Activity

HSE's regulatory programme for the offshore industry seeks to ensure major hazard and personal risks are properly managed in compliance with legislative requirements. Where appropriate, HSE will take formal enforcement action to prevent harm and secure justice in line with its Enforcement Policy.

Key regulatory activities are:

- Assessing safety cases
- Inspecting installations
- Investigating incidents
- Following up concerns
- Identifying non-compliance issues
- Formal enforcement


Data on regulatory activity covers the last seven-year period from 2012 to 2018.

Assessing safety cases

Key point:

- In 2018 ED Offshore assessed 134 Safety Case Submissions; similar to the previous year. Figures have been higher since the introduction of the 2015 Safety Case Regulations.

![Figure 14: Number of safety case submissions assessed by HSE Energy Division – Offshore, 2012 – 2018p](image)

**Source:** HSE operational information

*p = Provisional

Based on the total number of completed assessments in each calendar year.

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cases Assessed</td>
<td>79</td>
<td>70</td>
<td>70</td>
<td>107</td>
<td>199</td>
<td>132</td>
<td>134</td>
</tr>
</tbody>
</table>
Inspecting installations

From 1st April 2014, HSE implemented arrangements for prioritising major hazard inspections offshore as described in http://www.hse.gov.uk/offshore/methodology-offshore-installations.pdf. The new arrangements focussed on targeting of high hazard and poor performing installations, which resulted in lower numbers of more in-depth and targeted inspections.

Key point:

- In 2018 ED Offshore undertook 126 planned offshore inspections at 111 offshore installations, the lowest number in the last seven years.

**Figure 15: Number of inspections undertaken by HSE Energy Division – Offshore at offshore installations, 2012 – 2018p**

*Source: HSE operational information*

*p = Provisional*

In April 2014, HSE implemented arrangements for prioritising major hazard inspections offshore; see www.hse.gov.uk/offshore/methodology-offshore-installations.pdf

During an inspection, the HSE inspector will assess the duty holder against the selected inspection topics and award a score per topic. The following two charts provide detail on the scores awarded as a result of inspections in 2017 and 2018.

**Figure 16: Offshore Topic Inspection Scores - Overview, 2017 and 2018p**
Further information is available in the Offshore Topic Inspection Guides at www.hse.gov.uk/offshore/inspection.htm.

Investigating incidents

HSE investigates incidents which meet certain criteria, see www.hse.gov.uk/enforce/incidselcrits.pdf.

Key point:
- ED Offshore completed 35 investigations in 2018, higher than the previous year having previously been decreasing year on year.

Figure 17: Offshore Topic Inspection Scores - by Inspection Topic, 2017 and 2018p

Figure 18: Number of investigations completed by HSE Energy Division – Offshore, 2012 – 2018p

Source: HSE operational information

p = Provisional

Based on the total number of completed investigations in each calendar year.

HSE investigates incidents which meet certain criteria, see www.hse.gov.uk/enforce/incidselcrits.pdf.
Following up concerns

Any employee can raise a health and safety concern with HSE if they believe that health and safety law is being broken, or minimum standards are being ignored within the workplace, and if neither the employer nor the work/safety representative can satisfactorily resolve their concern.

HSE will only take action if it relates to a work activity and the issue raised has caused, or has potential to cause, significant harm, or alleges the denial of basic employee welfare facilities or it appears to constitute a significant breach of health and safety law.

For more information on workplace health and safety concerns, see http://www.hse.gov.uk/contact/concerns.htm.

Key point:
- In 2018 ED Offshore followed up 22 health and safety concerns; higher than in the previous year but still much lower than at any point in the five-year period before that.

Identifying non-compliance issues

Non-compliance issues are identified at inspection (or during investigations) that require action by an operator, and are normally communicated to an operator within a formal letter.

These are in addition to other, more formal, enforcement activities, such as Notices and Prosecutions.

Key point:
- In 2018 ED Offshore identified 1257 non-compliance issues.
Formal enforcement
ED Offshore applies the principles detailed in HSE’s Enforcement Policy Statement when enforcing health and safety legislation. There are a range of tools at its disposal in seeking to secure compliance with the law and ensure a proportionate response to offences.

For more serious offences, inspectors may serve improvement notices and prohibition notices, and they may prosecute (or in Scotland, report to the Crown Office and Procurator Fiscal Service (COPFS) with a view to prosecution).

For more information on HSE’s Enforcement Policy Statement, see www.hse.gov.uk/enforce/enforcepolicy.htm.

Enforcement notices and prosecutions
Key point:
- In 2018 there were 30 improvement notices and two prohibition notices issued

Figure 21: Number of enforcement notices issued by HSE Energy Division - Offshore, by type of notice, 2012 - 2018p

<table>
<thead>
<tr>
<th>Year</th>
<th>Improvement notices</th>
<th>Prohibition notices</th>
</tr>
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<td>2012</td>
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<td>6</td>
</tr>
<tr>
<td>2018p</td>
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</tbody>
</table>

Source: HSE operational information
p = Provisional

Prosecutions
Prosecution Cases relate to those in the offshore industry instituted by HSE and, in Scotland, the Crown Office and Procurator Fiscal Service (COPFS).

Key points:
- There was one case instituted in 2018, following a serious injury to an employee attempting to change a compressed gas cylinder. The employee was struck by the cylinder when it became a projectile following an instantaneous release of its contents.
Explanatory notes

Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR)

RIDDOR places a legal duty on employers and other specified duty holders to report certain workplace incidents to the relevant enforcing authority. A number of key changes to the reporting system and legal requirements have occurred in recent years, with some impact on the resulting statistics:

- **September 2011**: the notification system used by employers changed to a predominantly online system
- **April 2012**: a legislative change introduced the requirement to report injuries to workers that lead to absence from work or inability to do their usual job, for over seven days (over-7-day injuries). This replaced the previous ‘over-3-day’ legal requirement
- **October 2013**: following a full-scale review, more extensive legislative changes were introduced to simplify the reporting of workplace injuries, including the introduction of ‘specified injuries’ to replace the previous ‘major injury’ category, the revision to ‘type number’ and description of many defined dangerous occurrence (DO) categories, and a reduction in the list of prescribed occupational diseases. These changes occurred half-way through the 2013/14 reporting year

For more information about the coverage of RIDDOR and the effect on statistics of recent changes, see [www.hse.gov.uk/statistics/sources.htm#riddor](http://www.hse.gov.uk/statistics/sources.htm#riddor).

Injury rates

Injury rates are calculated using offshore population data from the industry’s Vantage personnel tracking system. However, these rates cannot be used to compare the offshore industry with other industries; other published industry rates use a different denominator (the Annual Population Survey – APS), which is based on the Labour Force Survey (LFS).

HCRs

In these statistics, RIDDOR reportable HCRs include:

- Unintended releases of petroleum gas or liquids from an offshore installation that either result in fire or explosion or require action to prevent or limit the consequences of a potential fire or explosion if ignited, or which have the potential to cause death or major/specified injury. These are often referred to as ‘process’ HCRs
- The unintentional or uncontrolled release or escape of other hydrocarbons (e.g. heli-fuel) from an offshore installation which could cause a significant risk of personal injury. These are often referred to as ‘non-process’ HCRs
- HCRs from wells
- HCRs from pipelines within 500m of the installation

Amendments to 2017 provisional figures

The latest year’s figures are always marked as provisional as described in the preface to this report. While changes are usually minor, this year there were significant changes to the 2017 provisional figures for Dangerous Occurrences (Figure 10) and for non-compliance issues (Figure 20) due to technical issues that affected the data collection process in 2017 which have now been identified and corrected.