



# ACCIDENT STATISTICS

JULY 2018

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## STATEMENT FROM THE HEALTH AND SAFETY MANAGER, DAVE ARMSWORTH



*'Behavioural safety has been the root cause of most accidents reported this year. In order to combat this issue, we must improve employee engagement in safety and develop our managers' and supervisors' understanding of human factors.'*

Within this year's booklet you will see additional statistics that cover the root causes to the reported accidents and also a page on work-related ill health. I have added this into the annual statistics in the hope that we can see any trends formed across the group and therefore target these areas of weakness. Behavioural issues are the most prevalent but what is encouraging to see is the openness to record where there have been shortfalls in management.

Unfortunately, there has been a general increase in specified injuries reported this year and there is the reporting of a fatality within the group. Notwithstanding this, reporting of over 7 day reportable injuries has decreased which can only be a good thing.

There were no accidents involving personnel in the age category of 18 and below and again there were no reports involving women on any of our construction sites. Only one of our members reported on work-related ill health (WRIH) issues but as it is early days with requesting this information, I am hopeful that going forward, more of you will look to identify WRIH, record it and act where possible. With over 400 suicides reported last year, where the person worked in the construction, it is only right that as a group we make positive steps to improve mental health on our sites. You could make this start by signing up to the Building Mental Health Charter.

Thank you for your continued support.

## HEALTH & SAFETY CHARTER

### Aims & Objectives:

- Eliminate accidents and injuries on construction sites
- Advance high professional standards and excellence in the construction of in-situ RC frames and other structures
- Raise the profile of safety and health in the construction industry

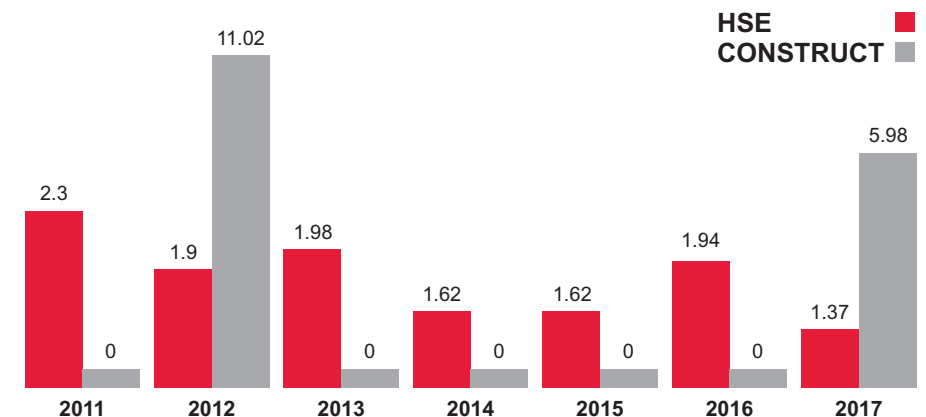
### Health & Safety Commitments:

- Lead improvements in Health & Safety and welfare in construction
- Proactively work to eliminate and reduce risks associated with construction activities
- Provide a forum for the discussion of construction related health, safety, and welfare and associated environmental issues
- Report annually on Health & Safety performance
- Lead in behavioural change on all our sites to eliminate accidents and work-related ill health
- Achieve a fully qualified and competent workforce
- Improve the quality and competency of frontline supervision
- Promote the benefits of workplace health and safety
- Exchange best practice and lessons learnt
- Take collective action to drive industry improvements and the management of construction risks

## FATAL INJURIES

1. Figures are based on replies from CONSTRUCT Member Companies
2. Calculations of figures are based on HSE calculation (number of fatal reported accidents ÷ number of operatives x 100,000 workers)

	CONSTRUCT
2011	$0 \div 11,012 \times 100,000 = 0$
2012	$1 \div 9,075 \times 100,000 = 11.02$
2013	$0 \div 13,669 \times 100,000 = 0$
2014	$0 \div 13,356 \times 100,000 = 0$
2015	$0 \div 15,035 \times 100,000 = 0$
2016	$0 \div 17,821 \times 100,000 = 0$
2017	$1 \div 16,732 \times 100,000 = 5.98$

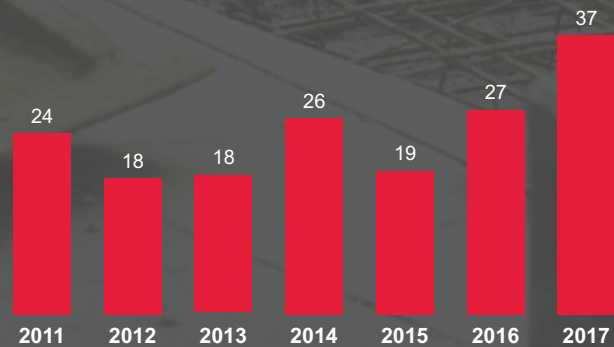


## SPECIFIED INJURIES

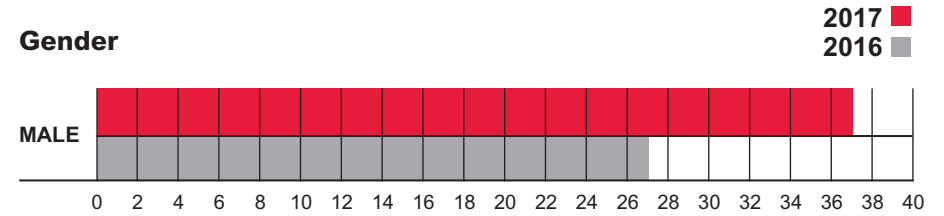
1. Figures are based on replies from CONSTRUCT Member Companies
2. Calculations of figures are based on HSE calculation (number of specified reportable accidents ÷ number of operatives x 100,000 workers)

The Accident Incident Rate (AIR) for CONSTRUCT Members in 2016 was 151 and in 2017 this was 221 which unfortunately shows year on year increase in specified injuries.

	CONSTRUCT
2011	$24 \div 11,012 \times 100,000 = 218$
2012	$18 \div 9,075 \times 100,000 = 198$
2013	$18 \div 13,669 \times 100,000 = 131$
2014	$26 \div 13,356 \times 100,000 = 194$
2015	$19 \div 15,035 \times 100,000 = 126$
2016	$27 \div 17,821 \times 100,000 = 151$
2017	$37 \div 16,732 \times 100,000 = 221$

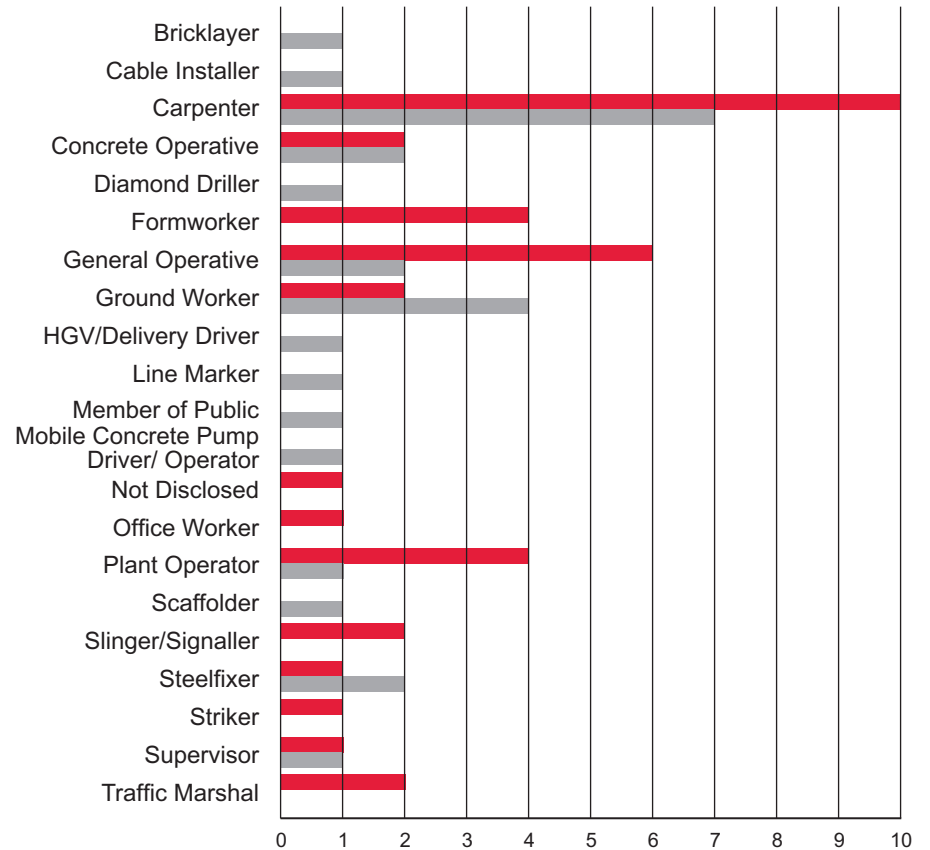


## SPECIFIED INJURIES



The graph shows for this period, 10 more employees sustained a Specified Injury. We can see below where the increases are.

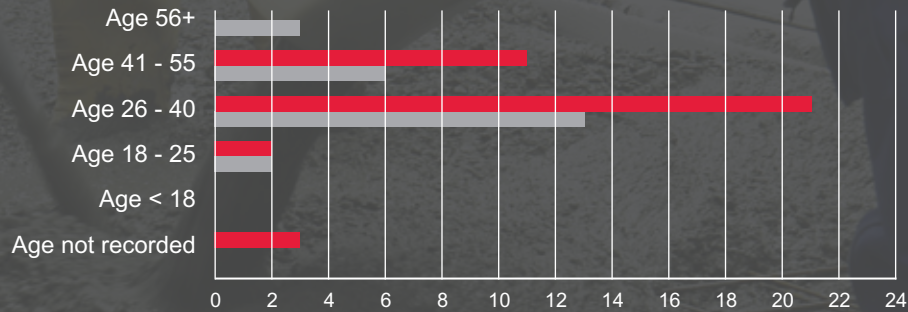
### Trade



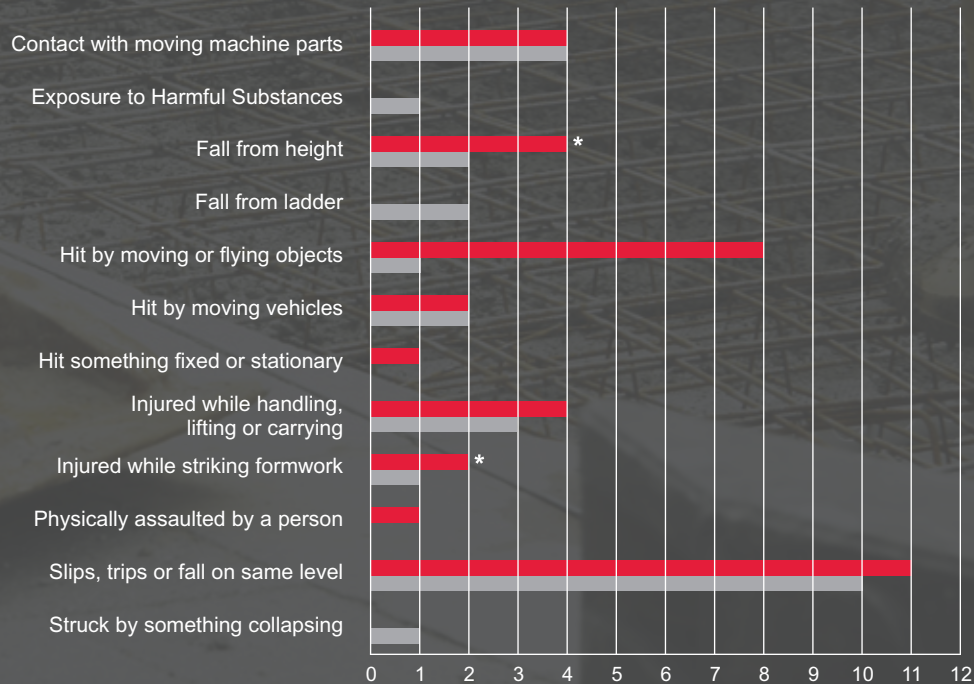
## SPECIFIED INJURIES

Age

2017 ■  
2016 ■



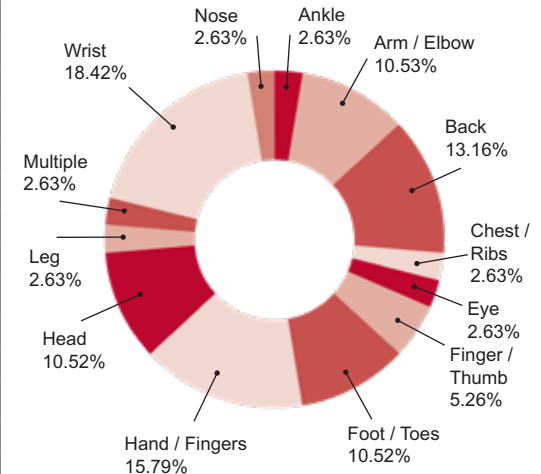
Category of Incident (A \* depicts an incident that involved multiple categories)



## SPECIFIED INJURIES

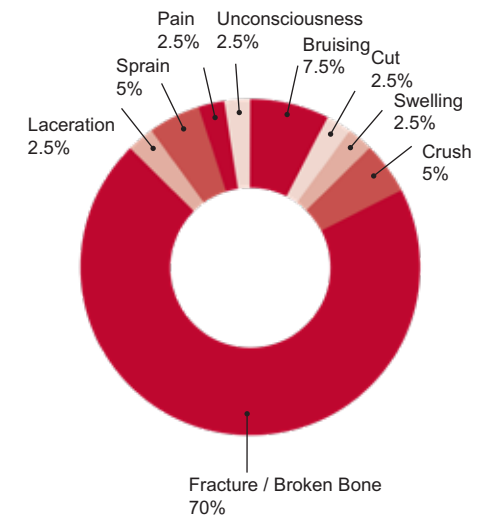
2016	BODY PARTS	2017
4	Ankle	1
1	Arm / Elbow	4
0	Back	5
1	Chest / Ribs	1
0	Eye	(1)*
2	Finger / Thumb	2
6	Foot / Toes	4
3	Hand / Fingers	6
0	Head	4
2	Knee	0
3	Leg	1
0	Multiple	1
1	Unknown	0
4	Wrist	7
1	Nose	1
<b>28</b>	<b>TOTAL</b>	<b>38</b>

Body Part Injured



2016	TYPE OF INJURY	2017
2	Amputation	0
0	Bruising	3
0	Cut	1
1	Swelling	1
1	Burn	0
0	Crush	1 (1)*
1	Damaged Ligaments	0
1	Damaged Muscles	0
1	Dislocation	0
21	Fracture / Broken Bone	27(1)*
0	Laceration	1
1	Sprain	2
0	Pain	(1)*
1	Unknown	0
0	Unconsciousness	(1)*
<b>30</b>	<b>TOTAL</b>	<b>40</b>

Type of Injury



(A \* depicts an incident that involved multiple categories)

## ROOT CAUSE – SPECIFIED INJURIES

A new addition to the statistics – returns now include a field for our members to input the root cause based on accident investigation outcome. The aim is to provide the group with the collective information in order that we can understand where the weaknesses are and then act towards reducing accidents, incidents and near misses. Not all returns included this detail, however it is clear to see the main cause of accidents is attributable to behavioural issues.

A \* indicates where the root cause reported included more than one category.

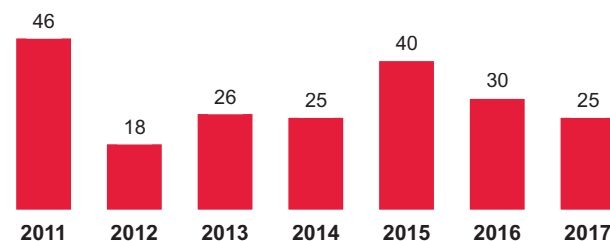
ROOT CAUSE	2017
Behavioural Issue	11(6)*
Equipment failure due to lack of equipment care	1(1)*
Equipment failure due to misuse	(1)*
Failure of emergency planning	0
Failure of Management/ Organisation controls	(2)*
o Design	1
o Planning/Organising	5(1)*
o RAMS	(1)*
o Safety reviews	0
Failure to follow RAMS	(1)*
Inadequate protection for falling equipment	1
Insufficient training	(3)*
Insufficient working space	1(2)*
Insufficient supervision	(2)*
Insufficient time	0
Interference with equipment	1
Mental Health Illness	0
Negligence	13(4)*
Substance Misuse	0
o Drugs	0
o Alcohol	0
Vandalism	0
Wilful Neglect	1
Not disclosed	1

## OVER 7-DAY INJURIES

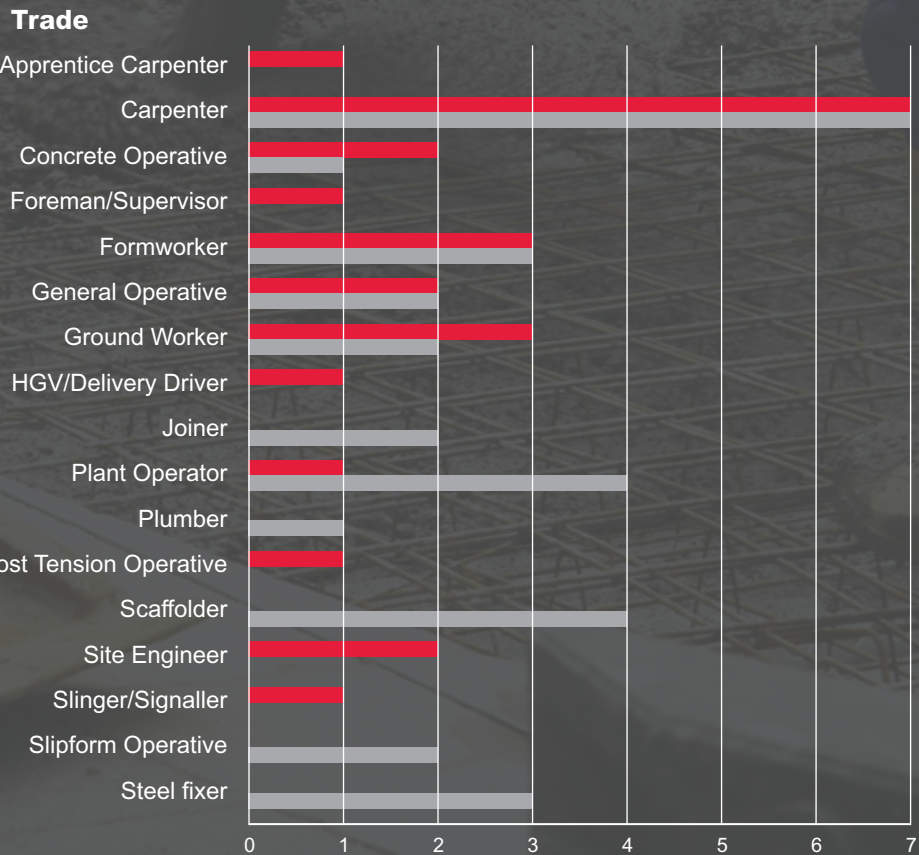
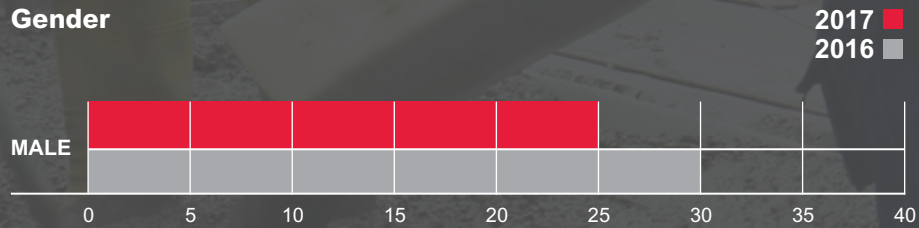
1. Figures are based on replies from CONSTRUCT Member Companies
2. Calculations of figures are based on HSE calculation (number of over 7-day reportable accidents ÷ number of operatives x 100,000 workers)

The Accident Incident Rate (AIR) for CONSTRUCT Members in 2016 was 168 and in 2017 this was 149, which shows a reduction in over 7-day reportable injuries across the group.

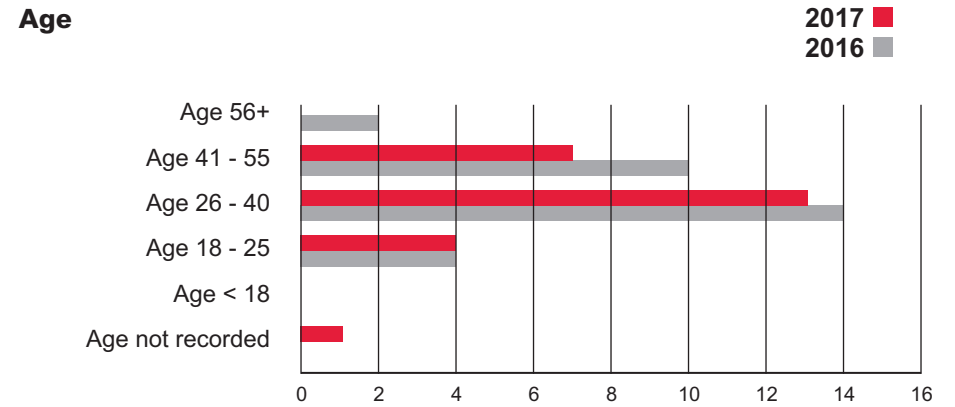
	CONSTRUCT
2011	$46 \div 11,012 \times 100,000 = 418$
2012	$18 \div 9,075 \times 100,000 = 198$
2013	$26 \div 13,669 \times 100,000 = 190$
2014	$25 \div 13,356 \times 100,000 = 187$
2015	$40 \div 15,035 \times 100,000 = 266$
2016	$30 \div 17,821 \times 100,000 = 168$
2017	$25 \div 16,732 \times 100,000 = 149$



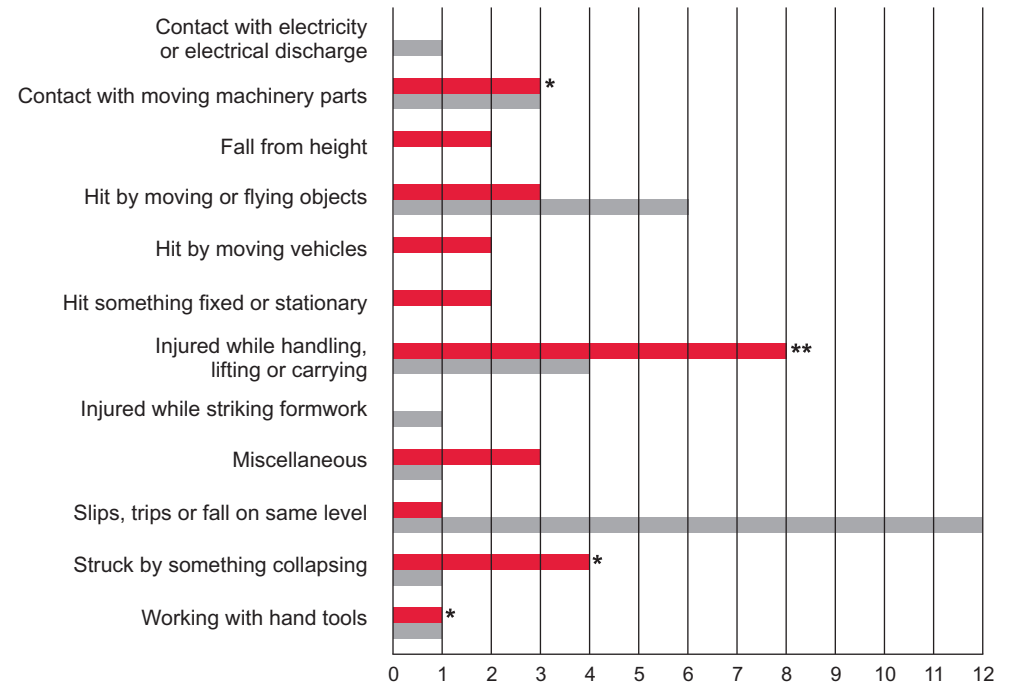
## OVER 7-DAY INJURIES



## OVER 7-DAY INJURIES



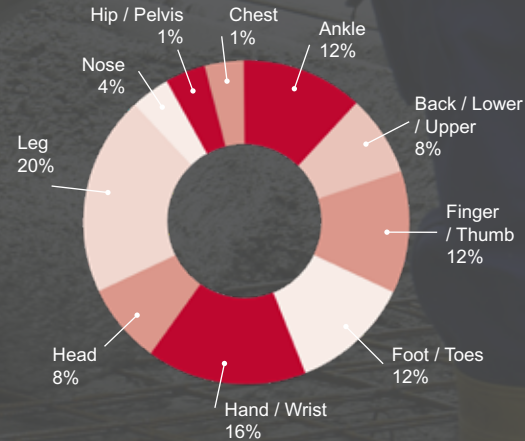
### Category of Incident (A \* depicts an incident that involved multiple categories)



## OVER 7-DAY INJURIES

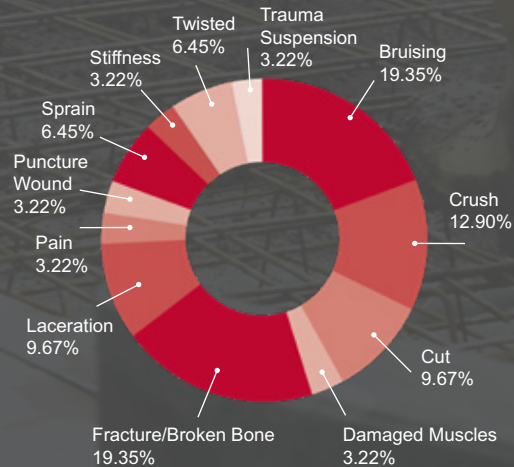
2016	BODY PARTS	2017
2	Ankle	3
2	Back / Lower / Upper	2
1	Eye	0
4	Finger / Thumb	3
2	Foot / Toes	3
8	Hand / Wrist	4
0	Head	1(1)*
5	Leg	5
0	Nose	1
3	Shoulder / Neck	0
3	Knee	0
0	Hip / Pelvis	(1)*
0	Chest	1
<b>31</b>	<b>TOTAL</b>	<b>25</b>

Body Part Injured



2016	TYPE OF INJURY	2017
3	Bruising	5(1)*
3	Crush	3(1)*
4	Cut	1(2)*
6	Damaged Muscles	(1)*
2	Damaged Ligament	0
1	Electric Shock	0
4	Fracture/Broken Bone	5(1)*
6	Laceration	3
0	Pain	1
0	Puncture Wound	(1)*
3	Sprain	1(1)*
0	Stiffness	1
0	Twisted	1(1)*
3	Swelling	0
0	Trauma Suspension	(1)*
1	Dislocation	0
<b>36</b>	<b>TOTAL</b>	<b>31</b>

Type of Injury



(A \* depicts an incident that involved multiple categories)

## ROOT CAUSE – OVER 7-DAY INJURIES

A new addition to the statistics – returns now include a field for CONSTRUCT members to input the root cause based on accident investigation outcome. The aim is to provide the group with the collective information in order that we can understand where weaknesses are and then act towards reducing accidents, incidents and near misses. Not all returns included this detail, however it is clear to see the main cause of accidents is attributable to behavioural issues.

A \* indicates where the root cause reported included more than one category.

ROOT CAUSE	2017
Behavioural Issue	11(3)*
Equipment failure due to lack of equipment care	0
Equipment failure due to misuse	1
Failure of emergency planning	0
Failure of Management/ Organisation controls	1
o Design	0
o Planning/Organising	0
o RAMS	1
o Safety reviews	0
Insufficient training	1(3)*
Insufficient working space	2
Insufficient supervision	0
Insufficient time	0
Interference with equipment	1(1)*
Mental Health Illness	0
Negligence	(3)*
Substance Misuse	0
o Drugs	0
o Alcohol	0
Vandalism	0
Wilful Neglect	(2)*

## WORK-RELATED ILL HEALTH

2017

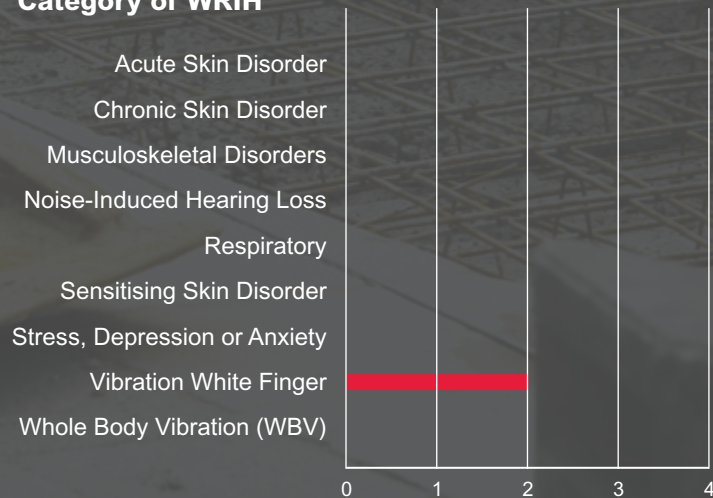
### Age



### Trade



### Category of WRIH



## PUBLICATIONS

THE NATIONAL STRUCTURAL CONCRETE SPECIFICATION (3rd Edition) - £20.00

THE NATIONAL STRUCTURAL CONCRETE SPECIFICATION (3rd Edition) - CD £10.00

THE NATIONAL STRUCTURAL CONCRETE SPECIFICATION (4th Edition) - £45.00

GUIDE TO THE SAFE USE OF FORMWORK AND FALSEWORK - £10.00

SAFE ERECTION AND DISMANTLING OF SOFFIT SUPPORT SYSTEMS DVD - £5.00

GUIDE TO THE SAFE TRANSPORTATION OF FORMWORK AND FALSEWORK - £5.00

GUIDE TO FLAT SLAB FORMWORK AND FALSEWORK - £60.00

CONCRETE BUILDINGS - £5.00

PLAIN FORMED CONCRETE FINISHES - £60.00

ECONOMIC CONCRETE FRAME ELEMENTS TO EUROCODE 2 - £25.00

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**COMMON BEST PRACTICE GUIDANCE NOTES**

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## CONSTRUCT CONTRACTORS

A special thank you to all CONSTRUCT's Contractor Members who contributed to the CONSTRUCT Accident and Work-Related Ill Health Statistics.





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CONSTRUCT Concrete Structures Group  
6-8 Bonhill Street  
London  
EC2A 4BX

Tel: 0844 249 1355  
Email: [enquiries@construct.org.uk](mailto:enquiries@construct.org.uk)  
Website: [www.construct.org.uk](http://www.construct.org.uk)



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