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# Analysis of Incidents Reported in 2018

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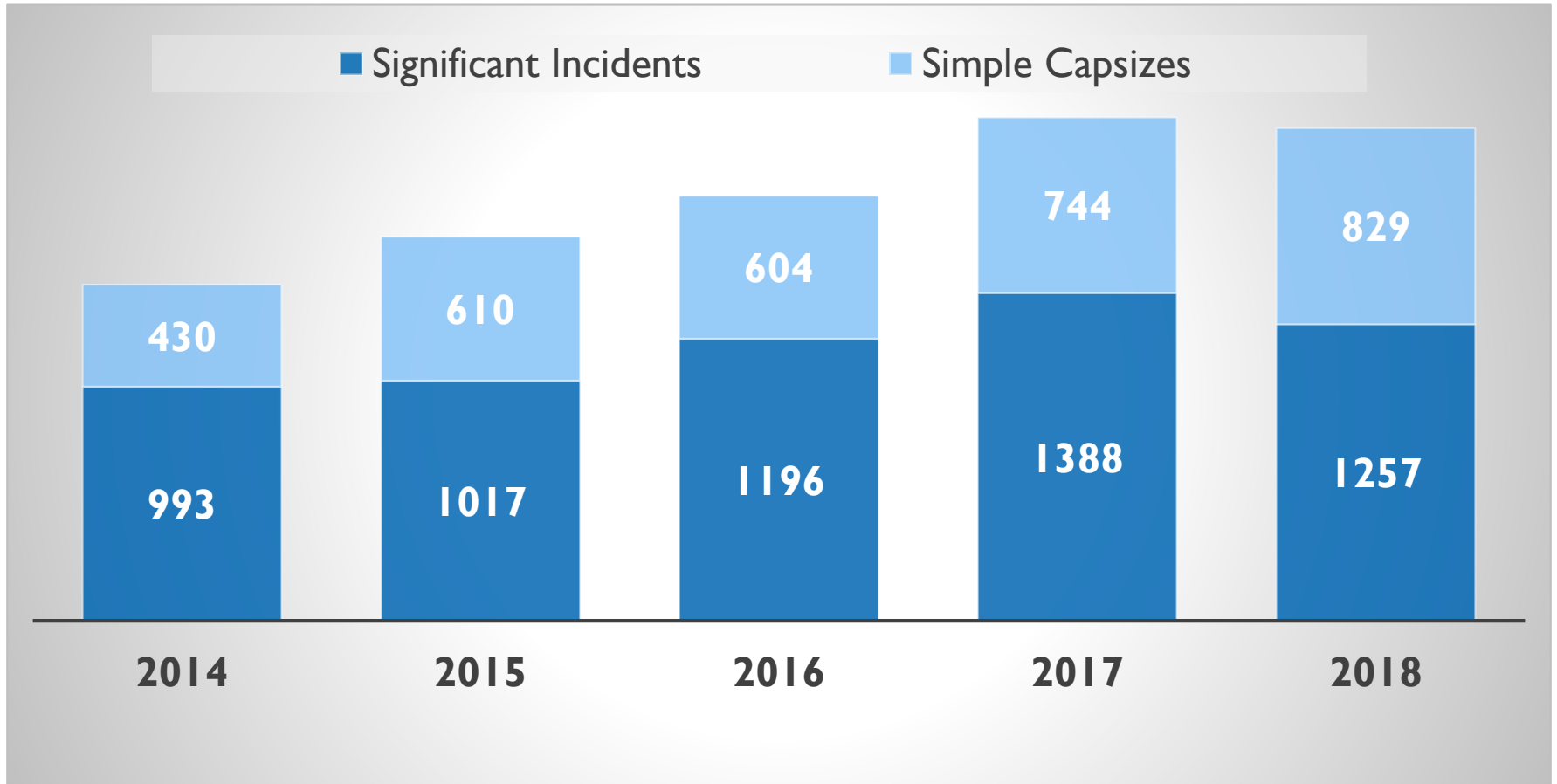


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# All Incidents

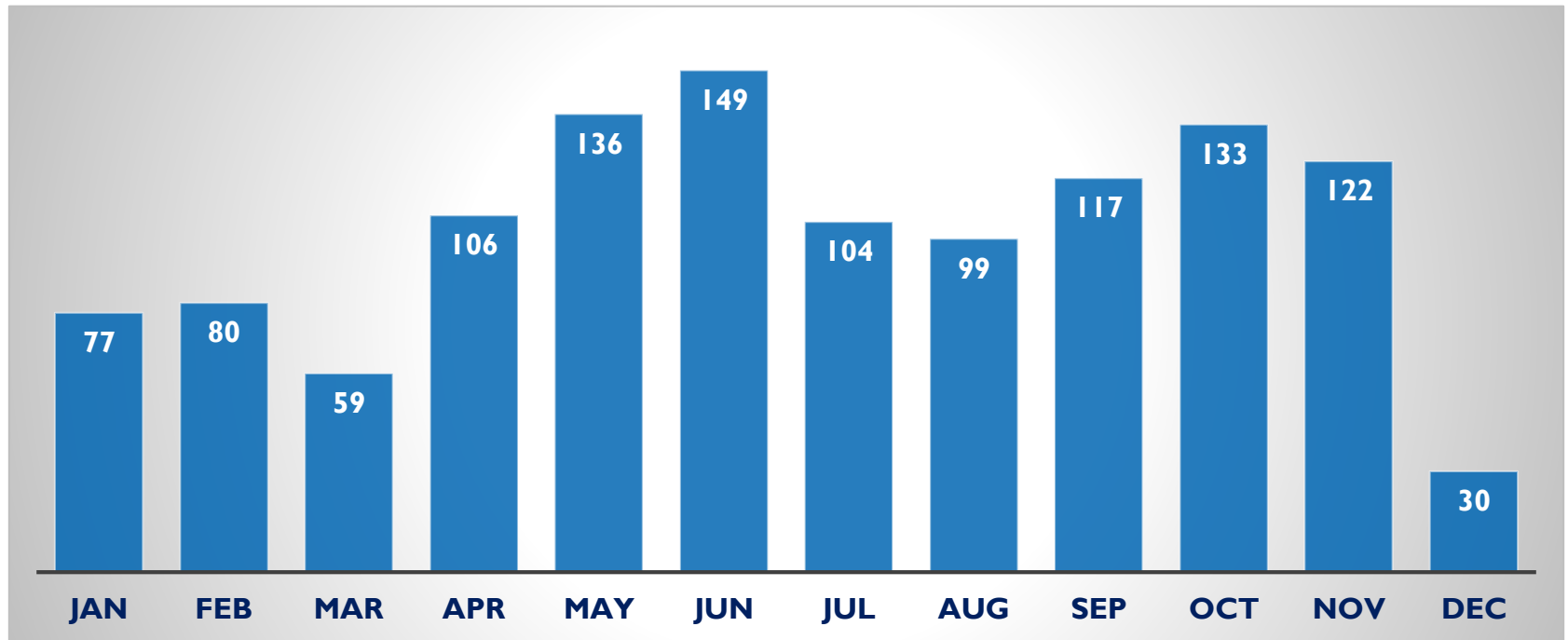
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# All Incidents



In 2018, compared with 2017, there were:  
2.2% fewer reported incidents  
3.3% fewer British Rowing members

# 2018 Reported Incidents by Month



By Date of Incident



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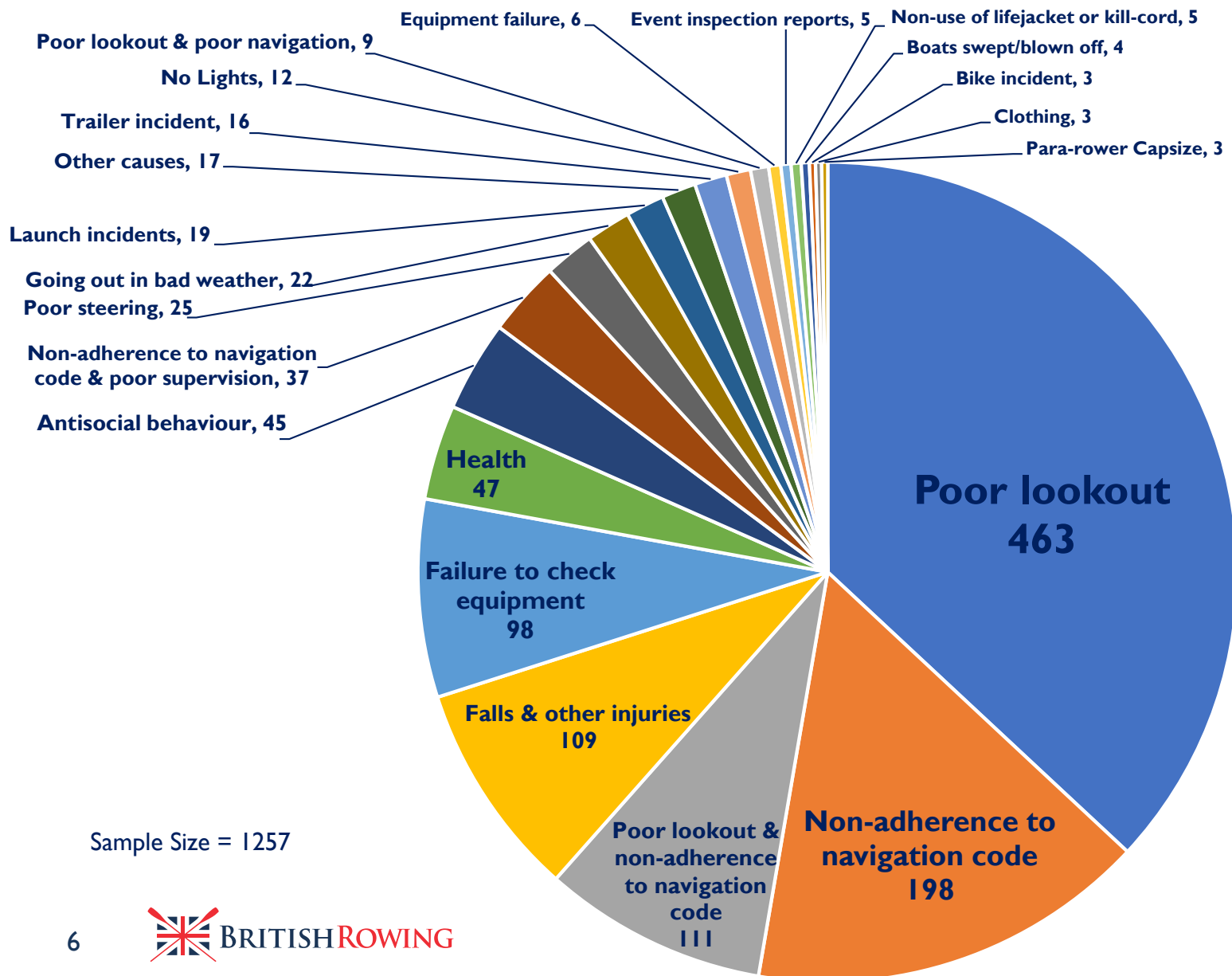
# All Significant Incidents

**Significant incidents = all except simple capsizes  
(most result in collisions or near collisions)**

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# Analysis of Significant Rowing Incidents by Cause - 2018

Significant accidents = all except simple capsizes (most result in collisions or near collisions)



Sample Size = 1257

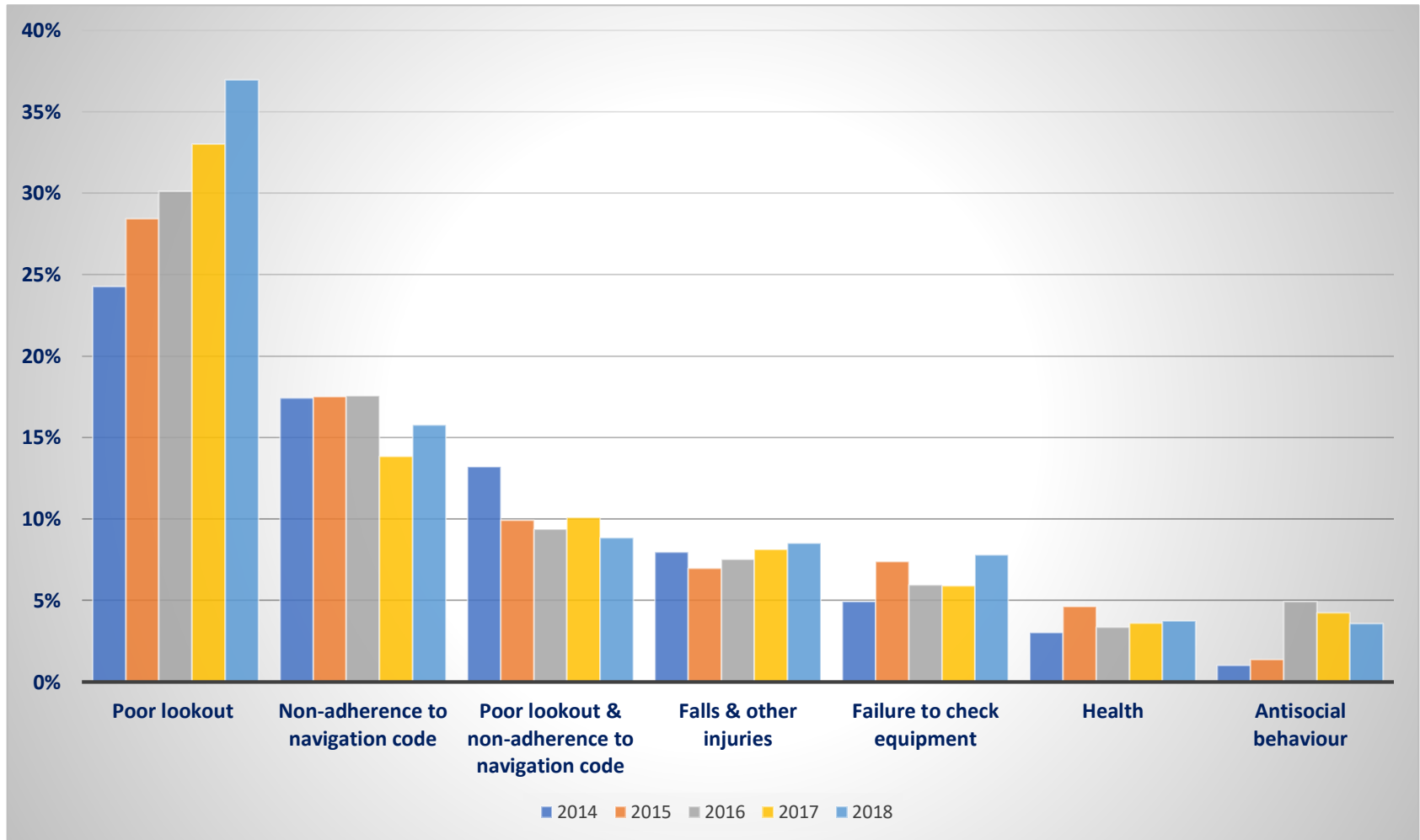


# Trends in common causes of Significant Incidents

Cause of Incidents – Percentage by Year	2014	2015	2016	2017	2018
Poor lookout	24%	28%	30%	33%	37%
Non-adherence to navigation code	17%	18%	18%	14%	16%
Poor lookout & non-adherence to navigation code	13%	10%	9%	10%	9%
Falls & other injuries	8%	7%	8%	8%	9%
Failure to check equipment	5%	7%	6%	6%	8%
Health	3%	5%	3%	4%	4%
Antisocial behaviour	1%	1%	5%	4%	4%



# Trends in common causes of Significant Incidents



<b>Significant Incidents by Cause</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Poor lookout	241	289	360	458	463
Non-adherence to navigation code	173	178	210	192	198
Poor lookout & non-adherence to navigation code	131	101	112	140	111
Falls & other injuries	79	71	90	113	109
Failure to check equipment	49	75	71	82	98
Health	30	47	40	50	47
Antisocial behaviour	10	14	59	59	45
Non-adherence to navigation code & poor supervision	14	18	26	30	37
Poor steering	103	65	67	72	25
Going out in bad weather	43	26	33	45	22
Launch incidents	28	29	21	32	19
Other causes	11	13	13	34	17
Trailer incident	8	6	6	11	16
No Lights	7	19	22	14	12
Poor lookout & poor navigation	9	26	11	8	9
Equipment failure	34	14	12	9	6
Event inspection reports	5	8	12	7	5
Non-use of lifejacket or kill-cord	7	4	19	14	5
Boats swept/blown off	4	5	3	3	4
Bike incident	1	4	6	7	3
Clothing	3	3	0	2	3
Para-rower Capsize	3	2	3	6	3
<b>Total Significant Incidents</b>	<b>993</b>	<b>1017</b>	<b>1196</b>	<b>1388</b>	<b>1257</b>

Significant Incidents by Cause	2014	2015	2016	2017	2018
Poor lookout	241	289	360	458	463
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Falls & other injuries	79	71	90	113	109
Failure to check equipment	49	75	71	82	98
Health	30	47	40	50	47
Antisocial behaviour	14	14	59	59	45
Non-adherence to navigation code & poor steering	18	18	26	30	37
Poor steering	55	55	67	72	25
Going out in bad weather	26	26	33	45	22
Launch incidents	28	29	21	32	19
Other causes	11	13	13	34	17
Trailer incident	8	6	6	11	16
No Lights			22	14	12
Poor lookout & poor navigation			11	8	9
Equipment failure			12	9	6
Event inspection reports			12	7	5
Non-use of lifejacket or kill-cord			19	14	5
Boats swept/blown off			3	3	4
Bike incident	1	4	6	7	3
Clothing	3	3	0	2	3
Para-rower Capsize	3	2	3	6	3
Total Significant Incidents	993	1017	1196	1388	1257

Red = Cause is Behaviour related

But some of the others can also be related to Behaviour

# Behaviour

In each of the past 5 years, over 92% of significant incidents could have been avoided by safer behaviour.

2014	2015	2016	2017	2018
92%	92%	94%	94%	94%

In 2018, the proportion of incidents that could have been avoided by:

- Keeping a good lookout
- Adhering to the navigation code

has increased to 62% of reported significant incidents.

2014	2015	2016	2017	2018
55%	56%	57%	57%	62%

The most common behaviour related incidents continue to be:

- Not keeping a good lookout (on land as well as on water)
- Not adhering to the navigation code
- Failure to check equipment
- Antisocial behaviour

accounting for over 80% of incidents in 2018.

# Near Misses

2014	2015	2016	2017	2018
155 (16%)	174 (17%)	272(23%)	180 (13%)	186 (15%)

Note: These incidents are included in various categories of reported Significant Incidents

Near Misses include:

- Near Collisions due to
  - Poor lookout
  - Non-adherence to navigation code
  - Poor steering
- Creating excessive wash
- Verbal abuse
- Not wearing a lifejacket or kill-cord
- Event inspections



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# Harm resulting from Significant Incidents

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# Harm caused to people

Harm to People caused by Significant Incidents	2014	2015	2016	2017	2018
No harm	821	823	989	1131	1010
Minor injuries such as cuts and bruises	75	82	104	124	85
Significant injuries - few days off rowing	64	60	57	61	101
Serious injuries - week or more off rowing inc. concussion & broken bones	33	51	42	67	59
Fatalities		1	4	1	2
<b>Total</b>	<b>993</b>	<b>1017</b>	<b>1196</b>	<b>1384</b>	<b>1257</b>

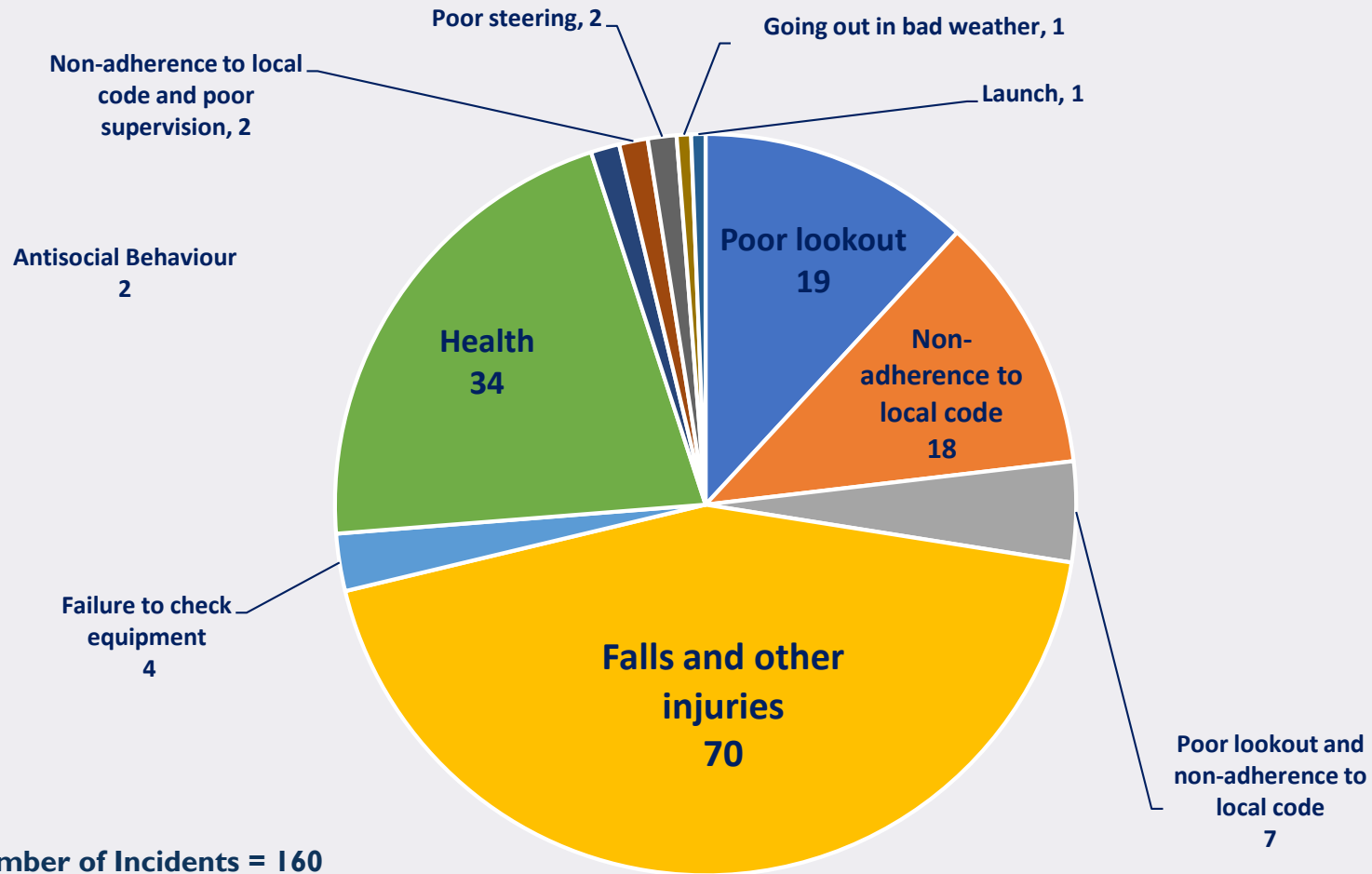
In 2018 there was a sharp increase in injuries resulting in a few days off rowing.

On average, every week in 2018 there were:

- Two significant injuries resulting in a few days off rowing and
- One serious injury resulting in more than one week off rowing

The fatalities in 2016, 2017 and 2018 were all tragic health related incidents.

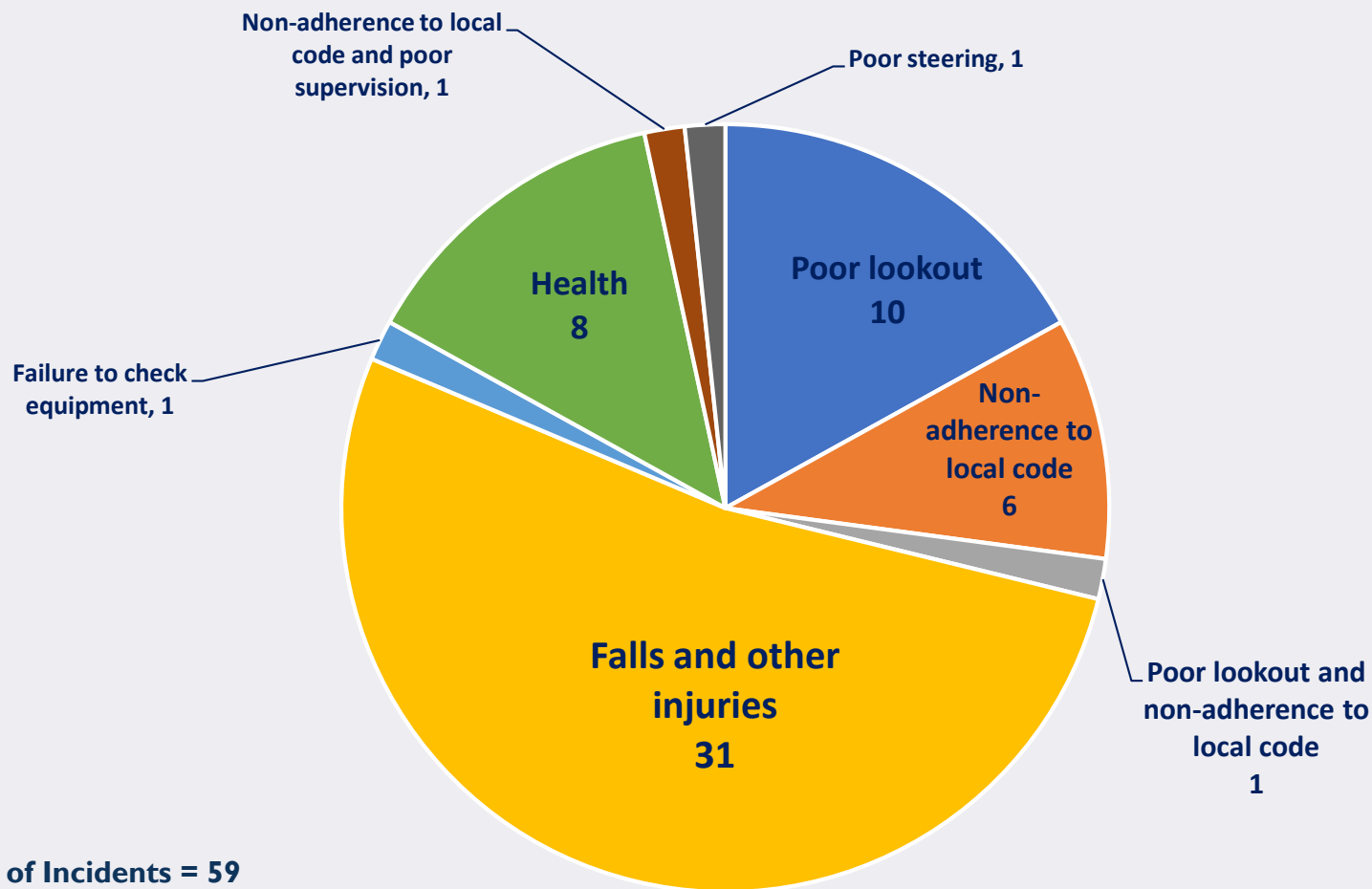
# Causes of 2018 Significant Incidents resulting in any time off rowing



**Number of Incidents = 160**  
Does not include fatalities



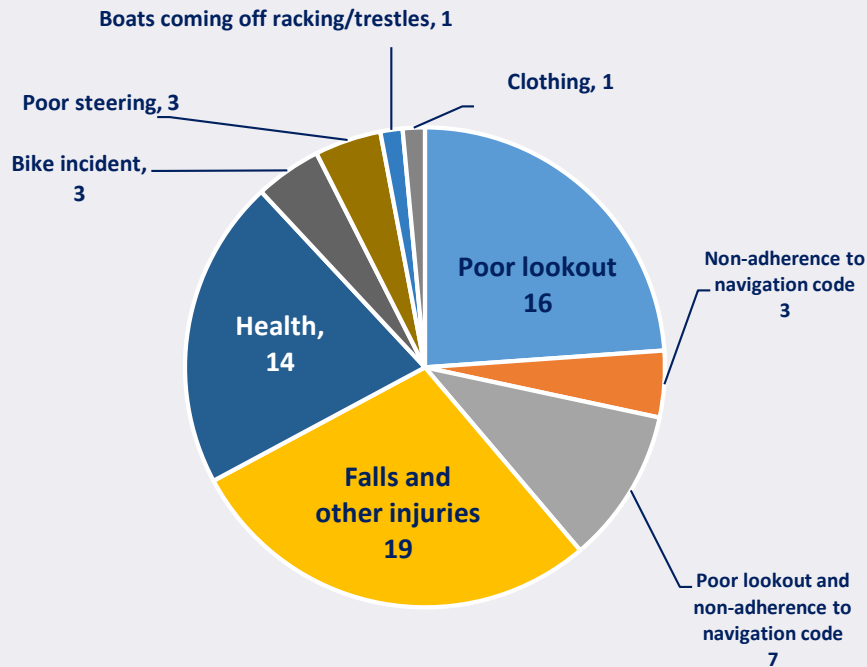
# Causes of 2018 Incidents resulting in one week or more off rowing



Number of Incidents = 59  
Does not include fatalities

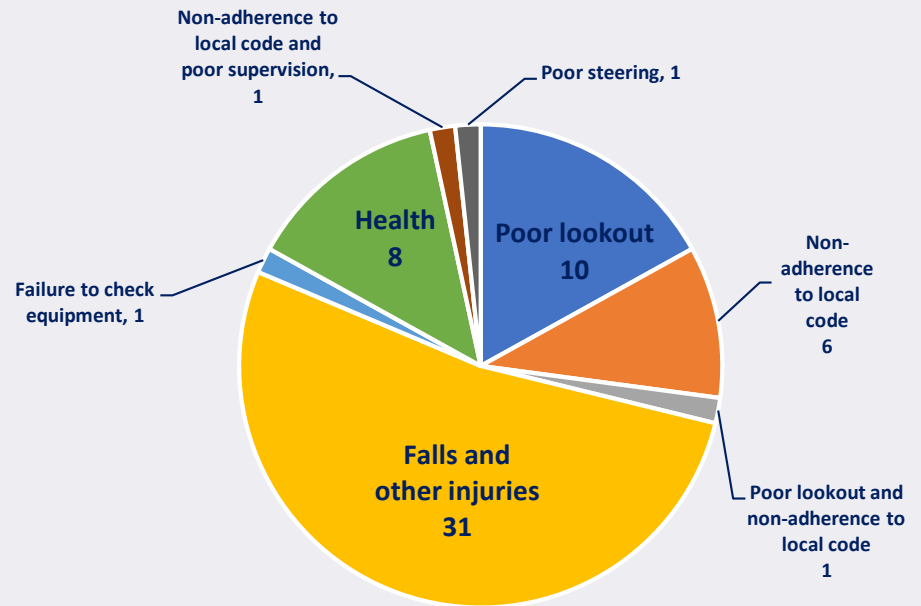
# Causes of 2017 & 2018 Incidents resulting in one week or more off rowing

**2017**



**Number of Incidents = 67**  
Does not include fatality

**2018**



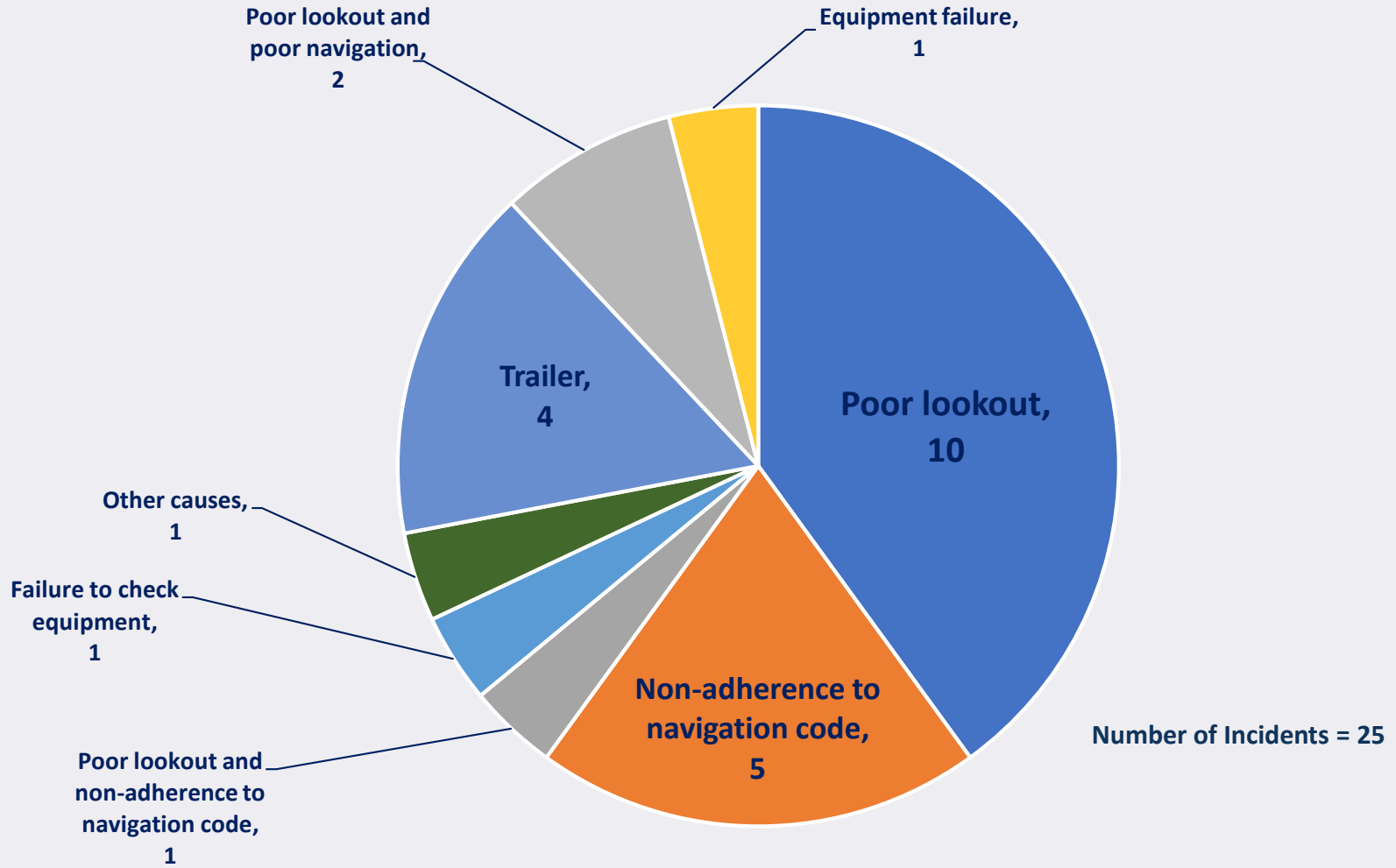
**Number of Incidents = 59**  
Does not include fatalities

# Damage caused to property

Damage to Property caused by Significant Incidents	2014	2015	2016	2017	2018
No damage	691	754	830	928	870
Repairs costing less than £100	119	89	86	143	150
Repairs costing £100 to £1000	114	124	233	277	212
Repairs costing over £1000	63	42	40	33	21
Loss of boat	6	7	6	3	2
Loss/repairs to cars, boathouse etc.	0	1	1		2
<b>Total</b>	<b>993</b>	<b>1017</b>	<b>1196</b>	<b>1384</b>	<b>1257</b>
<b>Total Value of damage</b>	<b>£290,000</b>	<b>£230,000</b>	<b>£270,000</b>	<b>£225,000</b>	<b>£245,000</b>

In 2018, on average, £4,700 worth of damage was caused to boats and equipment each week.

# Causes of 2018 Incidents resulting more than £1000 damage



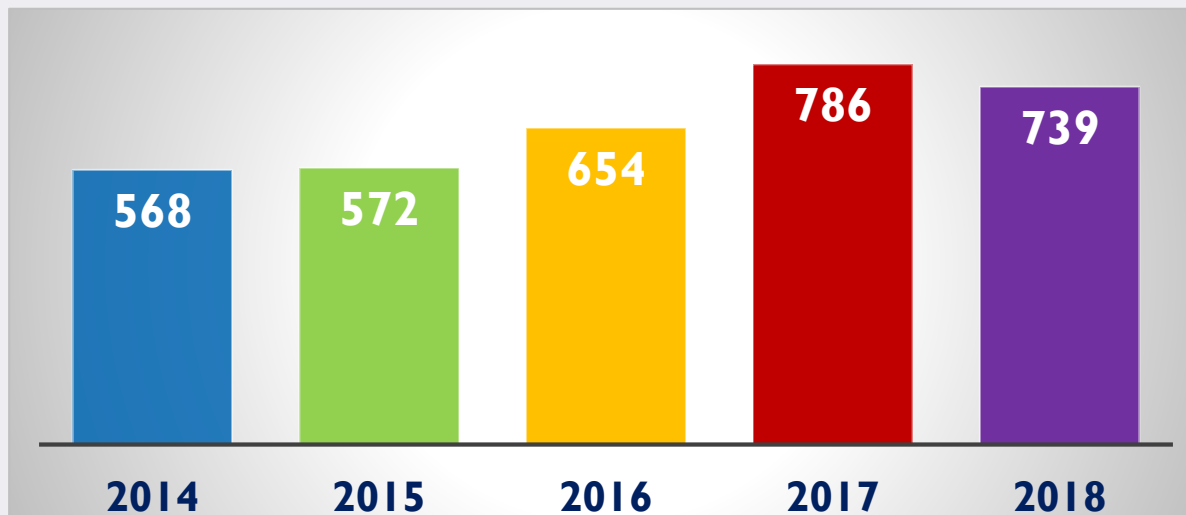


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# Collisions

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# Collisions



Collisions in 2018 were with:

Other rowing boats	389	Bank	22
Powered craft	56	Pontoon	20
Buoy	53	Log	18
Moored boat	45	Unpowered craft	15
Tree	35	Bridge	12
Weeds	27	Post	10
Submerged objects inc. Grounding	27	Swans/Geese	6

# Injuries resulting from Collisions - 2018

Harm to People caused by Collisions	Number
No harm	641
Minor injuries such as cuts and bruises	50
Significant injuries - few days off rowing	28
Serious injuries - week or more off rowing includes concussion & broken bones	20
<b>Total</b>	<b>739</b>

65% of the Collisions resulting in Serious Injuries  
were with other rowing boats

# Damage resulting from Collisions - 2018

<b>Damage to Boats caused by Collisions</b>	<b>Value</b>	<b>Number</b>
No damage	£0	398
Repairs costing less than £100	£8,411	136
Repairs costing £100 to £1000	£70,177	187
Repairs costing over £1000	£56,920	16
Loss of boat	£43,000	2
<b>Total</b>	<b>£178,508</b>	<b>739</b>

50% of the Collisions resulting in more than £1000 worth of damage or the loss of a boat were with other rowing boats



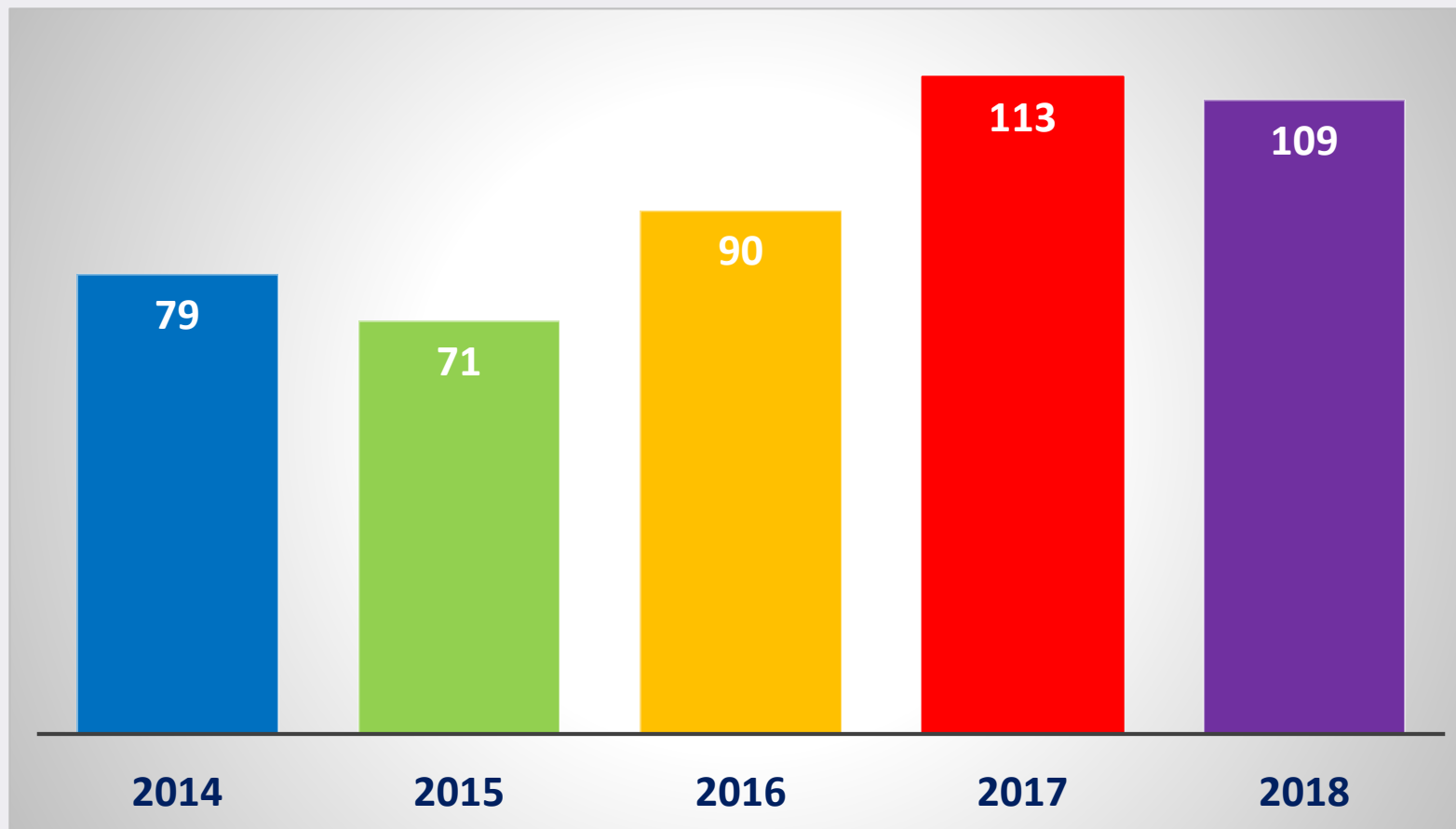


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# Falls and Other Injuries

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# Trends in Falls and Other Injuries



# Falls and Other Injuries

Injury Type	No Harm	Minor Injuries	Significant – few days off rowing	Serious – >1 week off rowing	Total
Cuts & Bruises		22	26	6	54
Broken bones				9	9
Trauma Muscular			4	4	8
Concussion & other head injuries	1		5	4	11
Sprains & ligament injuries				4	4
Trauma Skeletal			1	2	3
Other	16		3	1	20
<b>Total</b>	<b>17</b>	<b>22</b>	<b>39</b>	<b>30</b>	<b>109</b>

## Falls and Other Injuries - where the 31 serious injuries occurred

Where they occurred	Number
Pontoon/Boating area	8
Handling boats on land	5
Slips and Trips	4
Launch/Launch trailer	3
Land Training	3
Boathouse	3
Hit by flying Gazebo, Gazebo rope not secured	2
Hit in face by oar handle when rowing	1
Cycled into badly parked boat trailer	1
Cycled into lamp post	1
<b>Total</b>	<b>31</b>

- 9 serious incidents resulted in broken bones, 5 of these incidents occurred in the boating area.
- 3 serious incidents resulted in concussion 2 were caused by tripping, 1 from cycling into a lamp post.

Incidents causing broken bones and concussion typically result in many weeks off rowing and work.



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# Capsizes

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# Causes of Capsizes

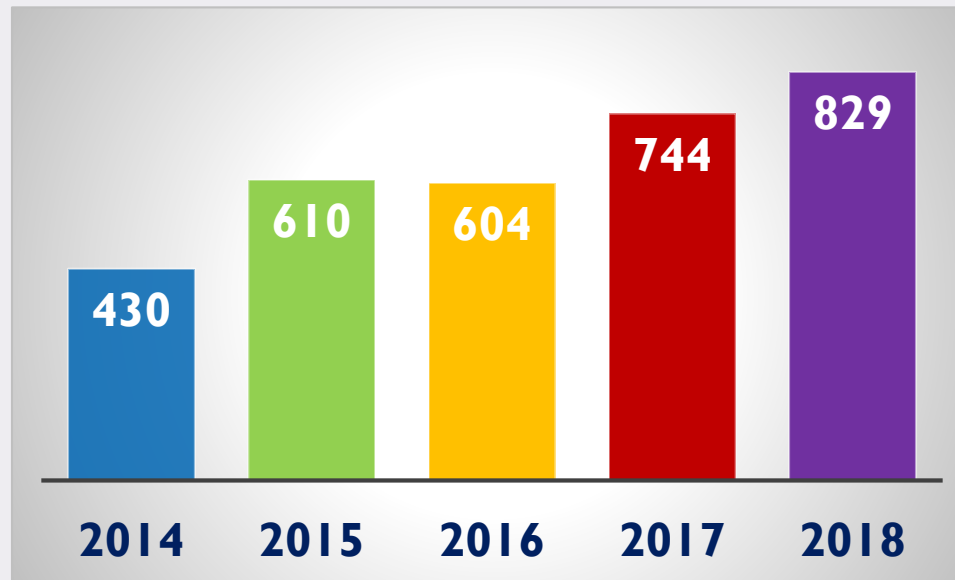
Cause of Capsize	Number
<b>Simple Capsize (does not include Capsize Drills)</b>	<b>829</b>
Failure to check equipment	82
Other causes	8
Clothing	3
Launch Incidents	2
Health	1
Equipment failure	1
Antisocial Behaviour	1
Poor lookout	1
Falls and other injuries	1
Going out in bad weather	1
<b>Total</b>	<b>930</b>

Simple Capsize is a capsizes due to a simple technique mistake or competence issue.

Simple Capsize does not include Capsizes where there was an external cause (e.g. weed or collision), injury, failure to check equipment, damage to equipment or equipment failure.

Reports should not be made when doing a capsizes drills and the capsizes is expected.

# Trends in Simple Capsizes



The most common reasons for Simple Capsizes in 2018 were:

Practising Drills (not including Capsize Drills)	119
Capsizing while boating or landing	53
Letting go of the blades	29



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# Summary

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# Why report incidents?

Incident Reports help us to:

- understand the issues that clubs and rowers have to deal with, and
- ensure that the advice that we provide is appropriate and relevant.

We are grateful to everyone who contributes reports. These reports provide valuable learning opportunities for everyone involved in rowing. It is important that we are able to

***“Learn from the mistakes of others.  
You can't live long enough to make them all yourself.”***

In 2017 and 2018, British Rowing recognised and congratulated the top five clubs that made the largest contribution to the Incident Reporting system, for their positive approach to safety.

Please continue to report incidents.

# Top 5 Clubs reporting Incidents in 2019

Position	Club	Incidents reported
1	Lea RC	75
2	Marlow RC	51
3	Christchurch RC	50
4=	Avon County RC	35
4=	Tyne RC	35

# How can we reduce the number and severity of incidents?

- Keep a good lookout on land
  - Falls and other injuries account for over 50% of serious incidents
- Keep a good lookout on water
  - Collisions account for 34% of serious incidents
- Know and abide by the local navigation plan
  - 14% of serious injuries resulted from not following the navigation plan
- Don't assume that other water users are keeping a good lookout and following the navigation plan
- Take care on land, wear suitable footwear to avoid slips, keep pontoons clean and apply non-slip coatings if appropriate
- Wear bike helmet when riding a bike

Serious incidents = incidents requiring more than one week off rowing

# Further Analysis

This presentation provides a summary of the data collected in 2018 in the British Rowing Incident Reporting system.

Further analysis can be provided. If you require more detailed analysis on any topic, e.g. regional analysis, please ask and, if possible, it will be provided.

Please email [safety@britishrowing.org](mailto:safety@britishrowing.org)



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**Thank you**

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