

# Herefordshire Health & Safety Group

## Construction review

Presenter Nick Jones, Safety Advisor for H & G Construction Safety  
Association Ltd



# Introduction

- Over view – statistics
  - Accidents, ill health & enforcement
- Safety Advisors bugbears
  - Construction dusts
  - Temporary works
  - Fire
  - Welfare
  - Work at Height
  - Protection of the Public
- The future

# Overview – Statistics

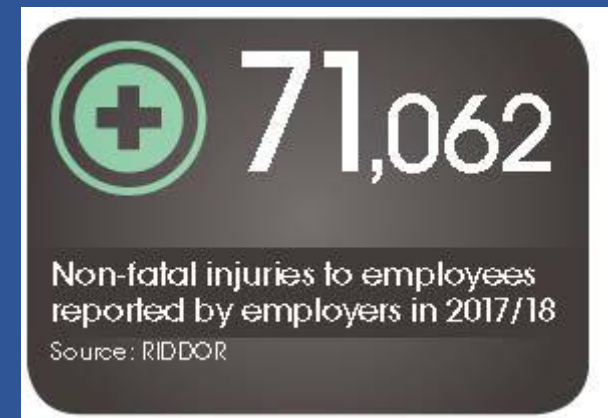
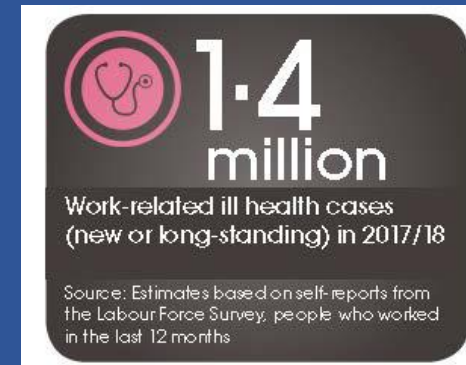
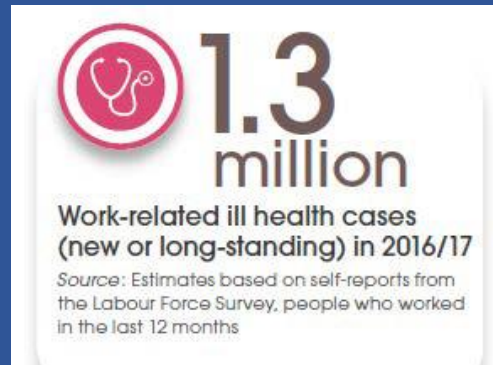
- Broadly are still flatlining



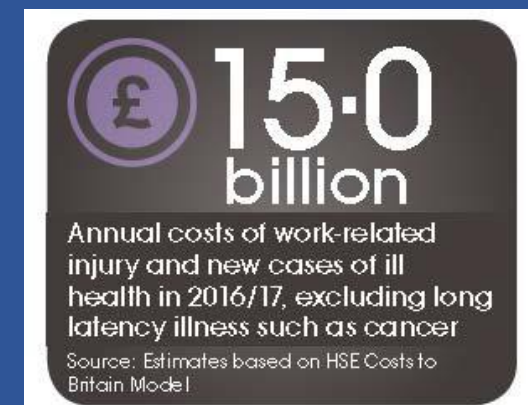
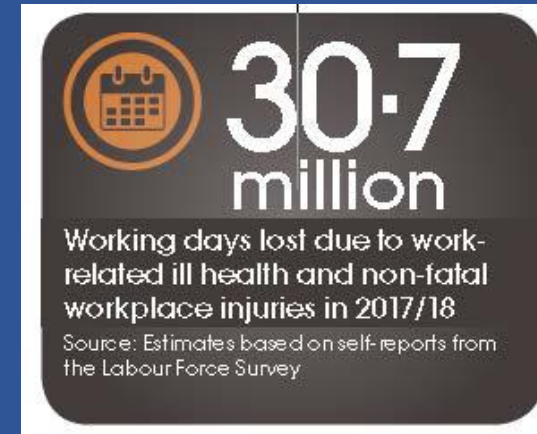
# Headlines – fatalities (all industry)

- In 2017/18 there were:
  - 144 workers killed
  - 100 Members of Public (86 service industries, 6 construction)
    - Slight increase from 2016/17
  - 555,000 Non fatal injuries
    - Of which 71,062 were employer reported employee injuries
- So are we making progress?

# Headlines – What has changed

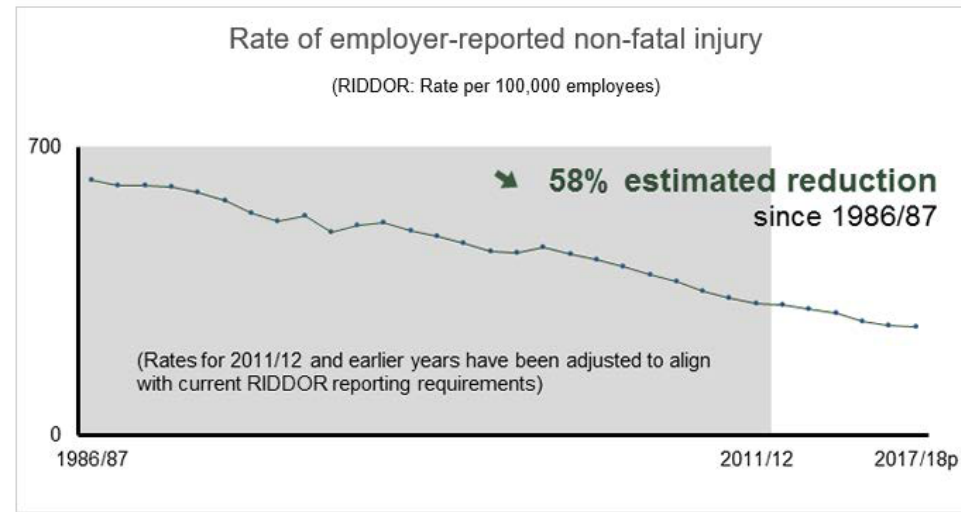
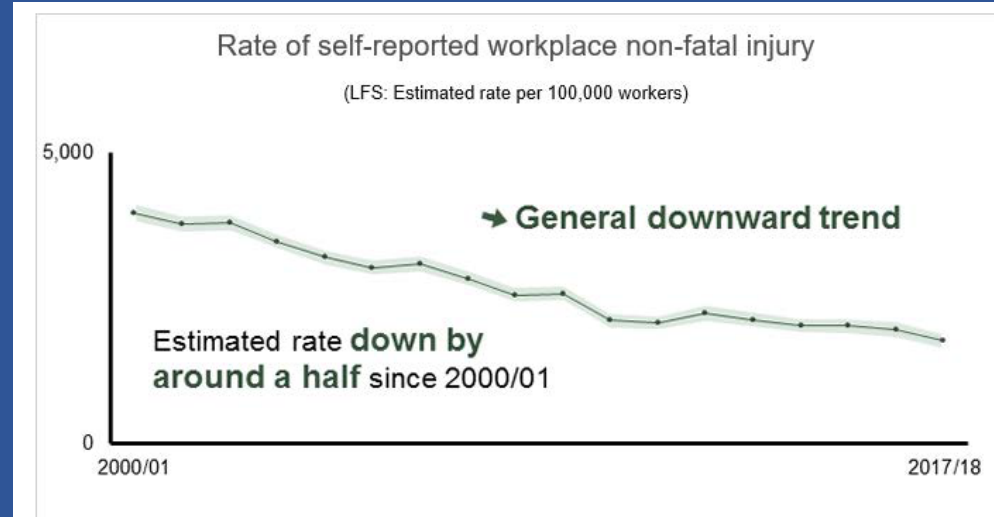


# Headlines – What has changed



# Accident figures

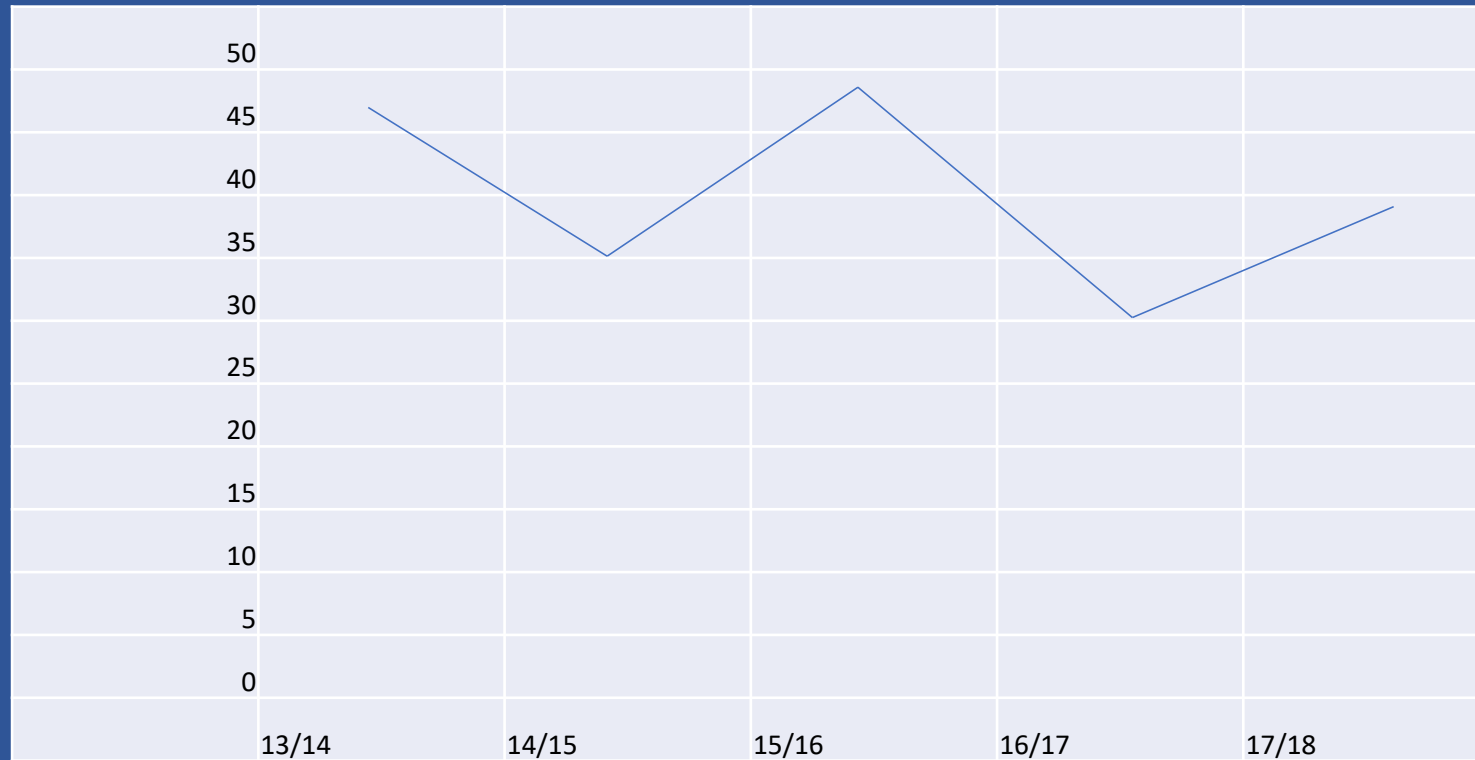
- Yes?



# Accident Figures – construction fatalities

- No?
- Short term effects?

Fatal figures 2013/17

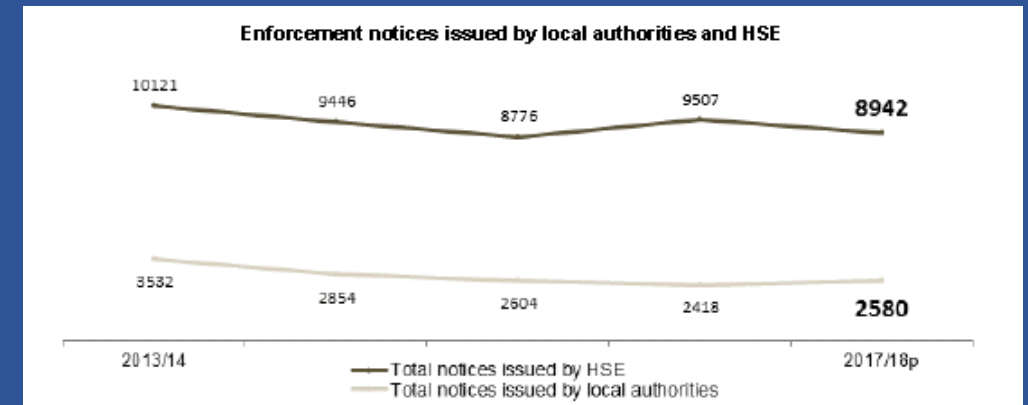
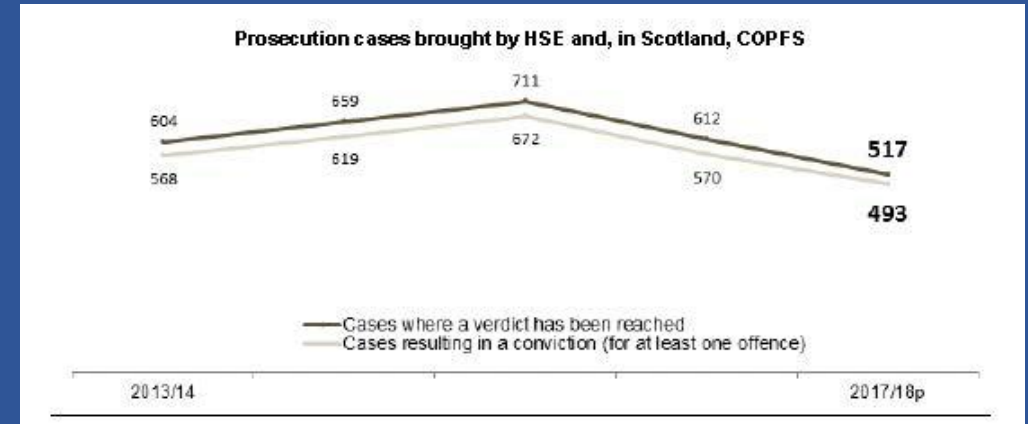




# Enforcement

- Prosecution  
Numbers down  
CD 206
- CD fines  
£18,983,937  
£97,855 const av  
£147,292 av. all inds
- CD Notices  
1742 PN's  
1273 IN's

FFI's



# Safety Advisors Bugbears

- Construction Dusts
- Temporary works
- Fire
- Welfare
- Work at Height
- Protection of Members of Public

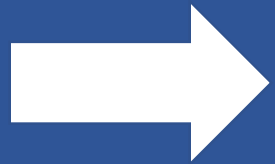
# Safety Advisors Bugbears – Wood dust

- COSHH – prevent exposure to known carcinogens and causes of asthma i.e. Wood dust
- LEV is reasonably practicable  
And it fits on powered hand tools



# Safety Advisors Bugbears – Wood dust

This



Not this



# Safety Advisors Bugbears – Construction dust

- Dust suppression systems should also be used



# Safety Advisors Bugbears – Fire

- Means of Raising the Alarm  
Advertised as *“This old school fire alarm has been improved”*
- The advanced versions come with a trolley to hold extinguishers





# Safety Advisors Bugbears – Fire



- The law says suitable and sufficient means of raising the alarm and initial fire fighting!
- Wired or wireless linked alarms likely to be appropriate
- Types of extinguisher relevant to risks and site plan



# Safety Advisors Bugbears – Temporary Works

- Temporary Works come in all shapes and sizes
  - Site fencing
  - Cabins- single or double stacked?
  - Pedestrian walkways
  - Excavations- Batter, shore
  - Temporary supports

All to be **designed** by temporary works engineer, **installed** by competent contractor in accordance with the written plan and **maintained**



# Safety Advisors Bugbears – Temporary Works





# Safety Advisors Bugbears – Temporary Works





# Safety Advisors Bugbears – Temporary Works





# Safety Advisors Bugbears – Temporary Works



# Safety Advisors Bugbears - Welfare

Suitable and sufficient

Schedule 2 is a minimum not a moving target!

Running hot/warm water in immediate vicinity?





# Safety Advisors Bugbears - Welfare



Don't fall off the throne!

# Safety Advisors Bugbears - Welfare



Toilet rolls galore but no  
where to wash hands



# Safety Advisors Bugbears - Welfare





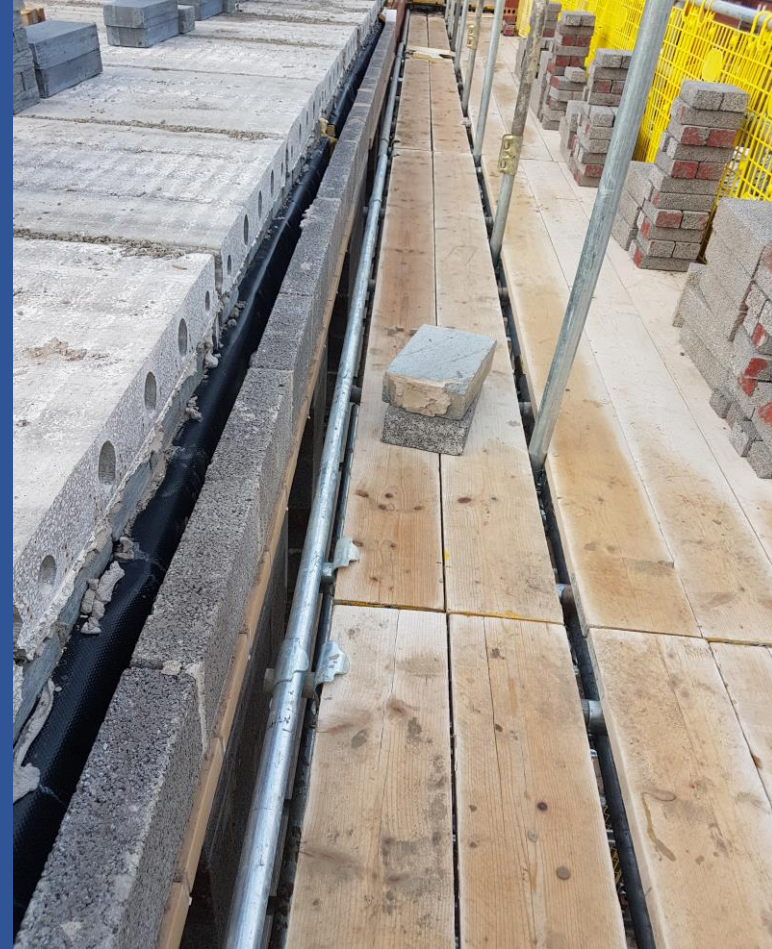
# Safety Advisors Bugbears – Work at Height

- Scaffold
  - Inspection regimes
  - Design
- Rescue Plan
- work platforms

# Safety Advisors Bugbears – Work at Height



Drop in sometime! 😞



Good gap filling 😊

# Safety Advisors Bugbears – Work at Height



No internal edge protection ☹️



No edge protection ☹️



# Safety Advisors Bugbears – Work at Height

Duty of user to ensure 7 day inspection by competent person?



# Safety Advisors Bugbears – Work at Height



# Safety Advisors Bugbears – Work at Height – Rescue Plan (Regulation 4)

The regulations state that “every employer shall ensure that work at height is properly planned” and “planning of work includes planning for emergencies and rescue”.

- Several types of emergencies could arise
- Its is not acceptable to just call 999

# Safety Advisors Bugbears – Work at Height – Rescue Plan (Regulation 4)

- Communication
- Emergency contacts
- Rescuers safety and equipment
- Suspension syncope
- First Aid



# Safety Advisors Bugbears – Protection of Members of the Public





# Safety Advisors Bugbears - Protection of Members of the Public

- Perimeter fencing
  - Non climbable
  - Continuous and stable
  - Maintained
- Segregation
  - Time and distance
- Scaffold
  - Prevent access
  - Projecting components
- Ladder removal/guarding

# Safety Advisors Bugbears - Protection of Members of the Public



Does anyone recognise this

# The Future?

- Brexit
  - Artificial Intelligence
  - Robotics
  - Autonomous Vehicles
  - Non communicable diseases
  - Multi generational workforces
- Generation Z



# And Finally.....

- Today of all days remember why you are here- for the love of the job! But if the heat gets too much...
- Thank you for listening  
Nick Jones  
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