An Roinn Tithíochta,
Pleanála agus Rialtais Áitiúil
Department of Housing,
Planning and Local Government

High Potential Incidents Approach – turning data into intelligence

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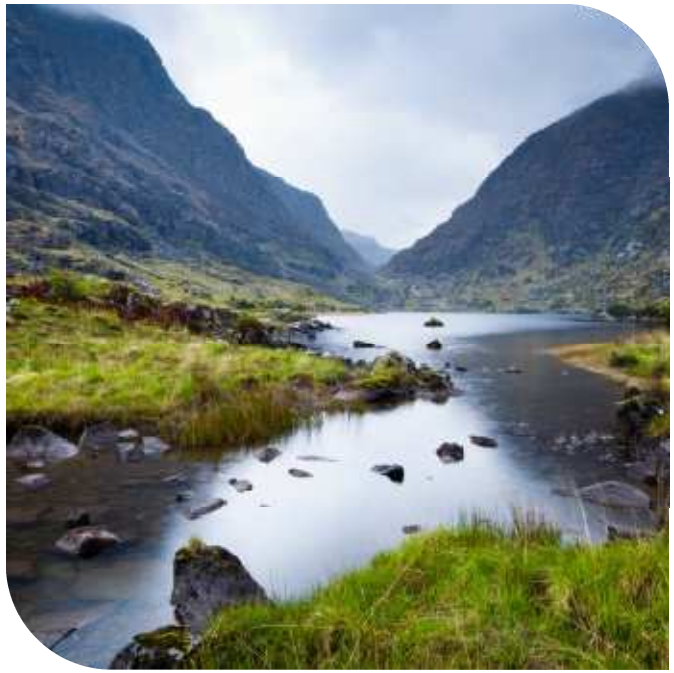


Clayton Silver Springs Hotel, Cork

10 October 2019

Part of ervia group

My message for next 20 minutes

- Reflection on what we have achieved
- Safety Reporting in Organisations
- The HiPo Concept
- Some recent HiPos
- The ask

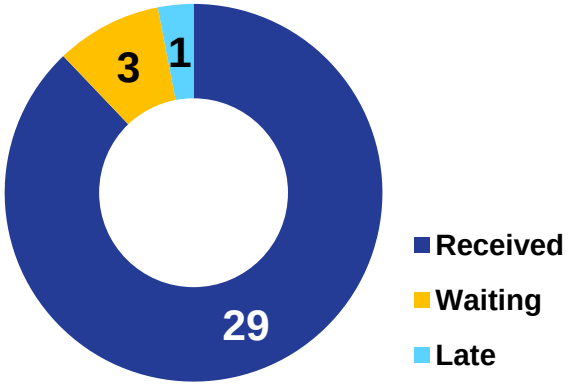
1 Reflection

Success

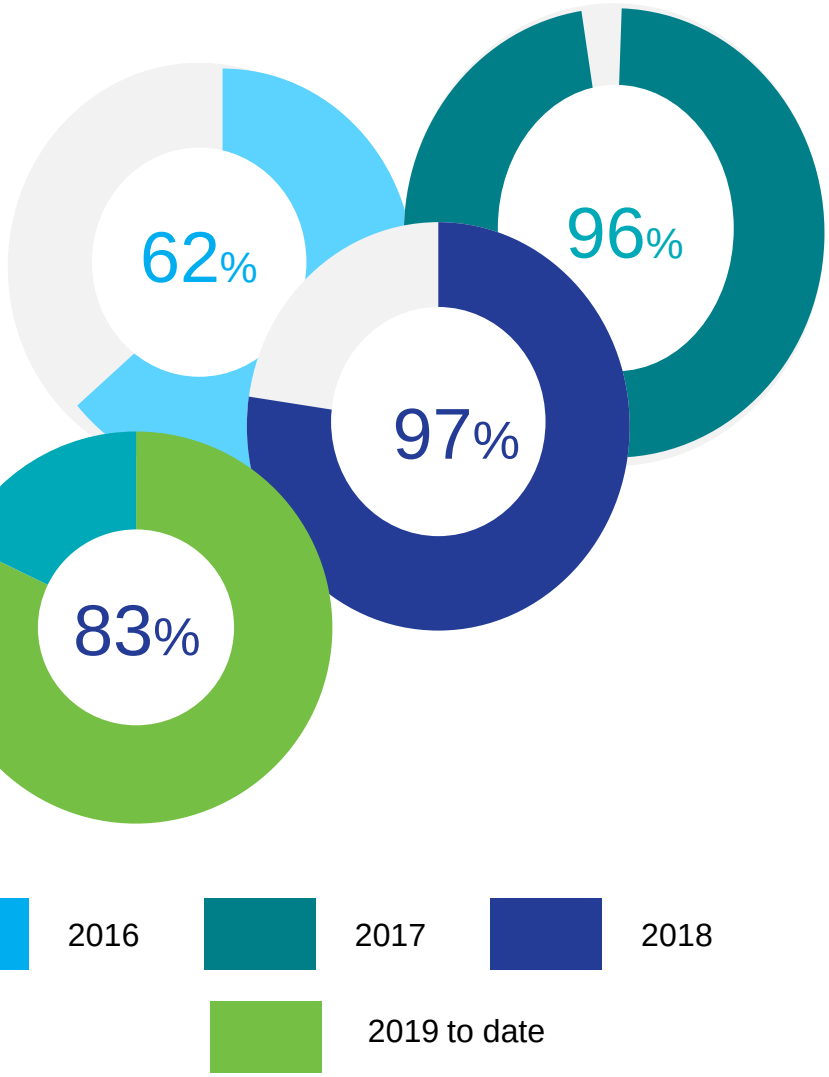
22,880 Safety Actions Raised since 2014

87%
Closed

HiPo's Raised in 2019



PIR Submission



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Safety Reporting in Organisations

Traditional Reporting

Traditional reporting is mostly focused on lagging reporting and statutory requirements

- Lagging Reporting – it happened
  - *Fatality, serious accident, accident, lost time injury, first aid. Stat reporting – (Ir1s)*
  - *Accident frequency rates*

- Leading Reporting – it could happen
  - *Near miss, observation, Dangerous occurrence, good catch etc*

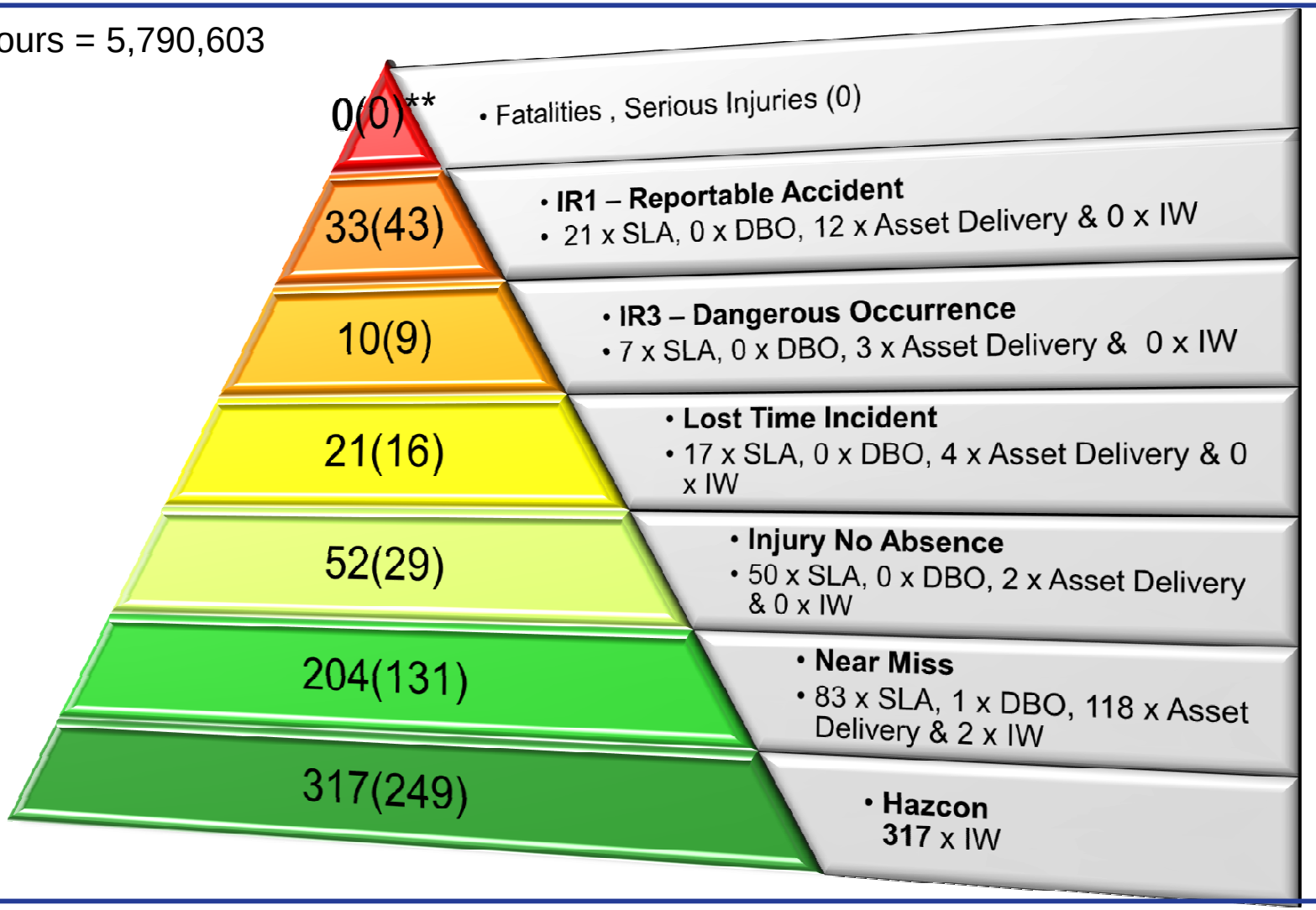
The Pitfalls and Challenges

- Some organisations think that good safety performance is about not having fatalities, serious accidents or reportable accidents
- Some organisations become focused on accident rates. Good accident rates are not a true reflection of a good safety culture
- Too much time wasted on investigating non significant accidents
- No process for identifying the high potentials
- Everyone wants to know the detail when an accident occurs but do they have the same enthusiasm for the near miss or good catch

Some Safety Theory

Our safety triangle (end July)

Person hours = 5,790,603



*YTD = Jan to July - All information correct as of 22/08/2019

Effective near miss reporting is essential for preventing accidents and fatalities

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Introducing the HiPo Concept

Background

- Originates from the Nuclear, Aerospace, Oil & Gas industries
- Data over 20 years confirmed that campaigns and programmes driven by Lost Time Injuries (LTI) were effective at reducing the number of LTIs, but the number of fatal incidents did not show similar results

US Bureau of Labour Statistics	1993	2016
LTI Frequency Rate	8.5/200,000	3.0/200,00
Actual Fatalities	6,600	5,190

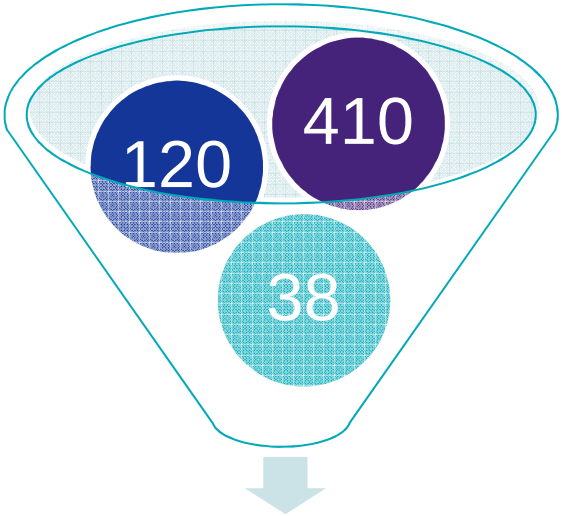
What is a High Potential Incident

An event that, under different circumstances, might easily have resulted in catastrophic loss, serious injury or fatality.

What is a High Potential Incident

Turning our Info in Intelligence

- So far in 2019 total incidents reported 410
- Using HiPo criteria a total of **38** HiPo incidents were identified and categorised between 01 Jan – 30 Sep
  - *Q1 11 Categorised HiPos*
  - *Q2 15 Categorised HiPos*
  - *Q3 12 Categorised HiPos*



9.2% of total incidents are HiPo

Irish Water 2019 HiPo Incidents by Category

Total = 38

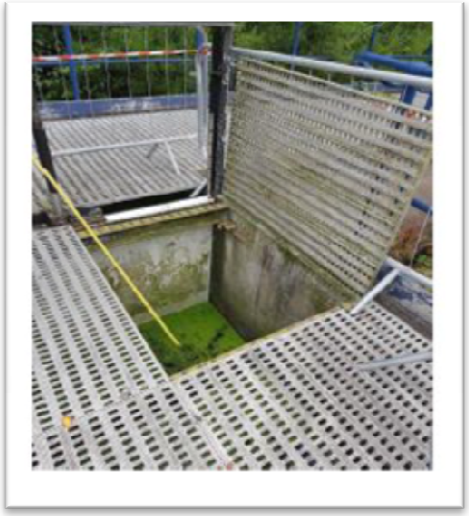
* Note: One HiPo awaiting categorisation to be confirmed

Root Cause of HiPo Incidents

Safe Behaviours	Safe Place of Work	Safe Systems of Work
• Safety Behaviour accounted for **36%** of HiPo incidents • Personnel **NOT** trained • **Non-compliant** with RAMS and SOPs • **Unsafe** work at height • **Unauthorised** entry into to confined spaces	• Unsafe work place conditions accounted for **25%** of HiPo incidents • Equipment **failures** • Workplace **design/layout** e.g. vehicle/pedestrian separation • **Contact** with work vehicles **NB** • Poor housekeeping does not appear as a root cause/contributing factor	• Deviation from work procedures account for **36%** of HiPo incidents • Poor work **planning** • **No procedure** • **Incorrect** information

4 Some Recent HiPos

Grating Incidents – HiPos



5 The Ask

What can be done to prevent serious injury/fatality in the workplace?

- The majority of HiPo events originate in the category of:
  - *Incident No Injury*
  - *Near Miss*

  28 of 38 where no one was injured !

- We must create a safe environment to encourage and recognise the importance of Near Miss reporting

- Robust investigation to get to true root cause is essential to learn from these events and protect workers

- Anonymise investigation results and share the lessons learnt across all sectors of industry

Thank you for your time