

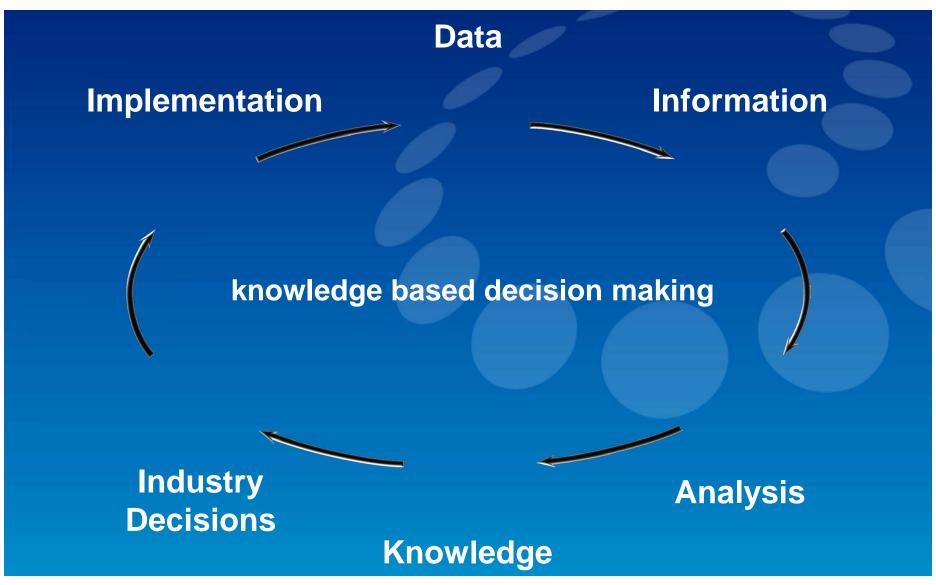
GB Experience with learning from accidents and other operational experience - looking forward

Anson Jack, Director of Policy, Research and Risk Deputy Chief Executive RSSB

International Rail Safety Conference 2010 October 2010 **Hong Kong**

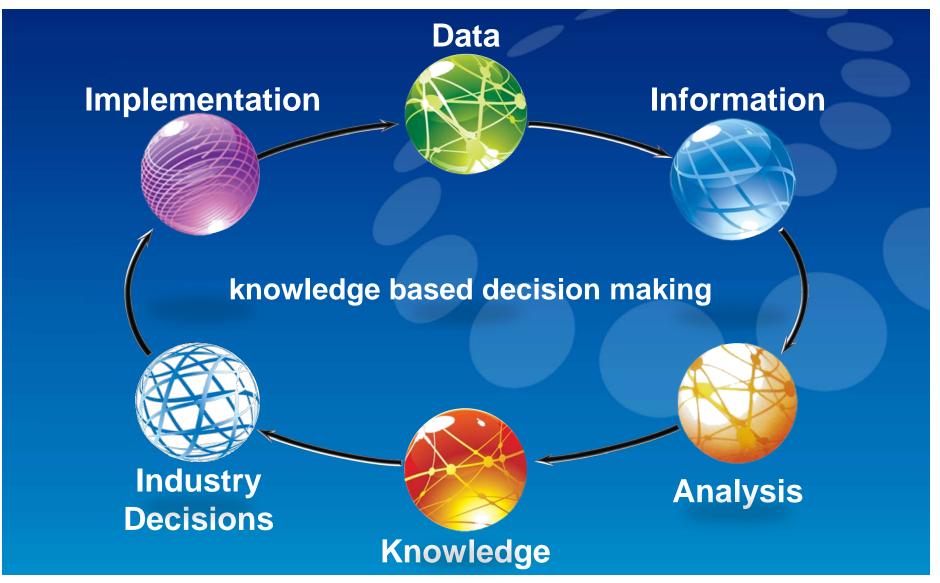
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Hierarchy of events



Multi Fatality	1: 5-20 yrs
Fatalities	1: 2-5 yrs
Serious	00
Events	
Less serious	15 000 L V
Events	15,000 : yr
Near Misses	
Daily Events	>-000,000? / day

Hierarchy of investigations



Public Inquiries
Inquests

2004/49/EU independent accident investigation

Industry Investigations

Industry Safety Statistics

Close Call/ Near Miss reporting

Confidential Reporting

All events

Haddon-Cave 'Nimrod' Report



THE NIMROD REVIEW

An independent review into the broader issues surrounding the loss of the RAF Nimrod MR2 Aircraft XV230 in Afghanistan in 2006

Charles Haddon-Cave QC

REPORT

'should be a greater focus
on people in the delivery
of safety and not just on
process and paper'

A FAILURE OF LEADERSHIP, CULTURE AND PRIORITIES

Mid Staffordshire Health Trust



'Dangers of relying on apparently favourable performance reports by outside bodies.... rather than effective internal assessment and feedback' The Mid Staffordshire NHS Foundation Trust Inquiry

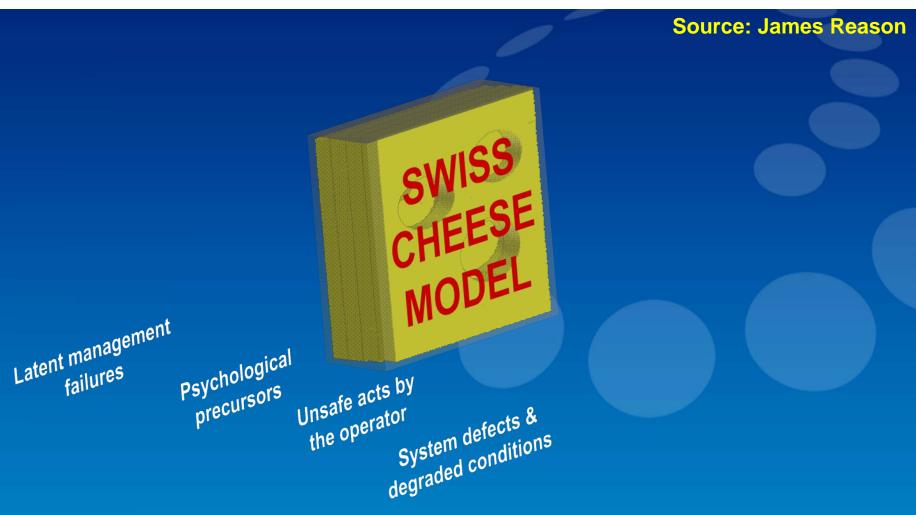
Independent Inquiry into care provided by Mid Staffordshire NHS Foundation Trust January 2005 – March 2009 Volume I

Chaired by Robert Francis QC

HC375-1

The teusrilgions and tancet depts are well known....





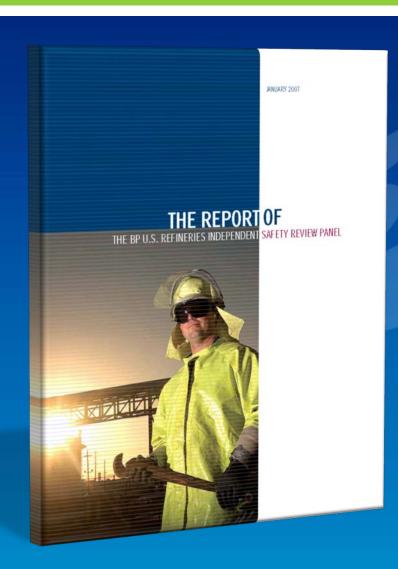
...and so are the conclusions after the event





James Baker Report – Texas City





The passing of time without a process accident is not necessarily an indication that all is well

What does Baker mean for GB?



In GB there has been only one fataility in a train accident in the last 6 years

Does that mean that all is well?



Our Risk Model says there are still risks



>= 5 Fatalities 5.4 years

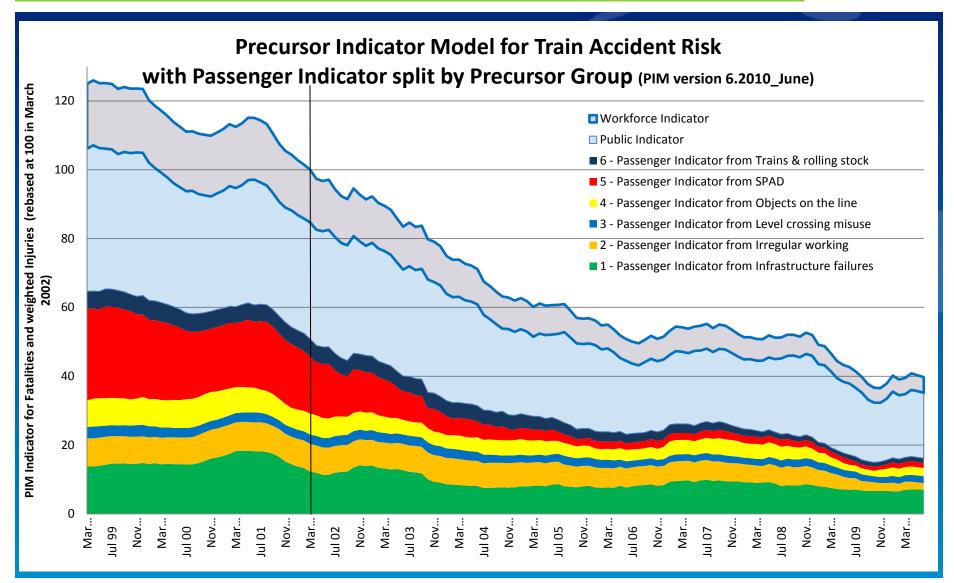
>= 10 Fatalities 15.3 years

>= 25 Fatalities 50.2 years

Source: RSSB Risk Profile Bulletin v6 2009

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Potters Bar (2002) Inquest 2010



- 'Staff carrying out inspections of the infrastructure sometimes remedied apparently minor defects without reporting them...... This prevented those higher in the engineering hierarchy from monitoring trends'
- 'Systematic problems may go unnoticed'
- 'Improve systems and processesto
 highlight recurrent problems and trends..... to
 those responsible for policy and design'

How can we look beyond precursor events?



Measure culture and its maturity

Analyse close calls

Assurance aligned with core activities

Monitor variations in asset and operational data

Collect and analyse routine data

What of the future?



- Fewer big investigations and recommendations
- More than enough lessons from other sectors'lessons already known
- Collecting analysing and acting on data from current operations is a core business function and will help to drive





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