

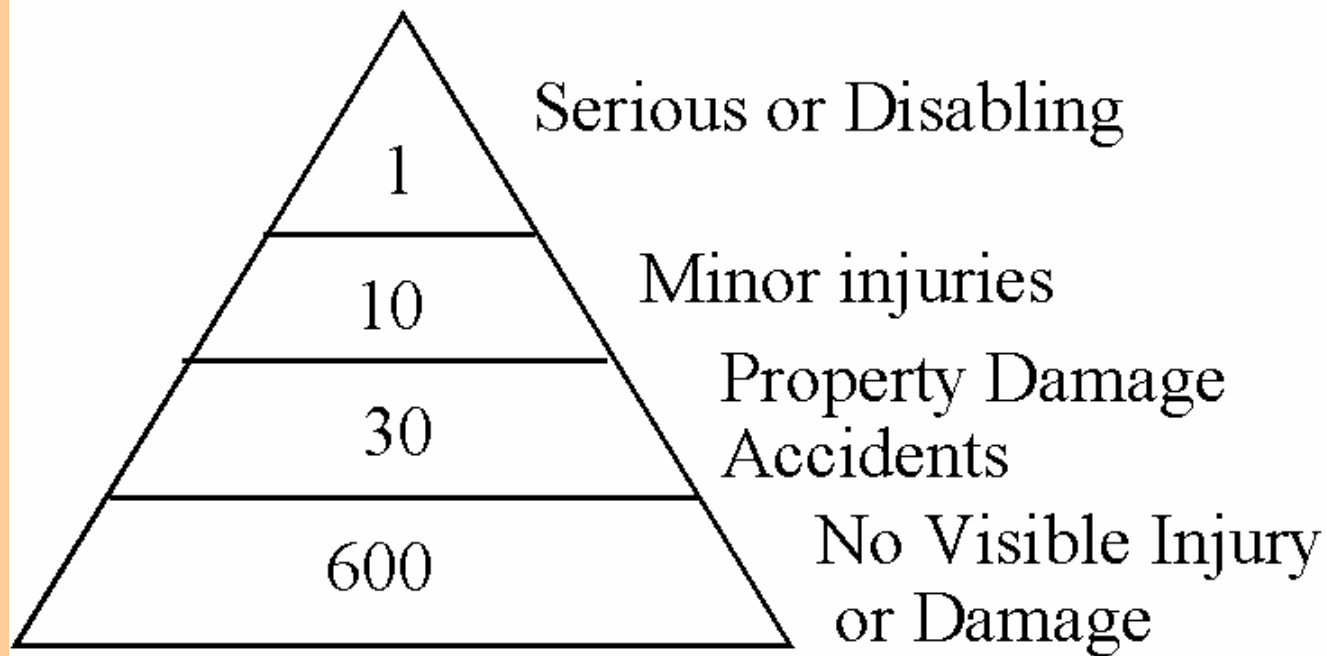
**Report all Incidents
no matter how minor
they may seem**

IT WORKS

**DrillSafe Forum –
Adelaide 5th June 2008**



Safety Pyramid



Bird accident ratio study

Insurance Company of North America,
1.7 million accidents, 297 companies, 3 billion work-hours

RIP

Muhammad Irfam
Muhammad Younus

BURHAN TRANSLATION BUREAU ابوهران للترجمة
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TRANSLATION

STATE OF KUWAIT
MINISTRY OF HEALTH
Central Registry Control for Births & Deaths

DEATH CERTIFICATE

Particulars concerning the registration of a Death Incident :

Civil Number of the Deceased : _____
Date of Registration : 07-12-2004
No. of Entry in the Register : 514/2004
Center of Registration : Al-Jahra

Particulars concerning the Deceased :

Full Name : MUHAMMAD IRFAN MUHAMMAD YOUNUS
Date of Birth or Age : 29 years
Sex : Male
Nationality : Pakistani
Religion : Muslim
Date of Death in figures : 06-12-2004
Date of Death in letters : Sixth of December, Two thousand and Four
Place of Death : Al-Khashabiya Area

Particulars concerning the cause of death :

Cause of death : 789 FMR/ 2004
1-a) Direct Cause : fractures in the bottom of the skull tear of cerebral
- The condition that led to the direct cause (if any) : with fracture in the limbs
- The condition that led to the previous cause (if any) : (fall from height)

Remarks : _____
Date: 07-12-2004

Note: The non technical particulars mentioned in this certificate are given by the death informer and on his own responsibility, and the Ministry of Public Health does not shoulder any responsibility if otherwise is approved.
First copy: Blank, the holder.

(Signature & seal)
Younis Nabil Al-Ansi
Jahra Center for Births & Deaths

Head of Section
(Signature & seal)
Sajid Muhammad Al-Ansi
Controller, Central Registry for Births & Deaths

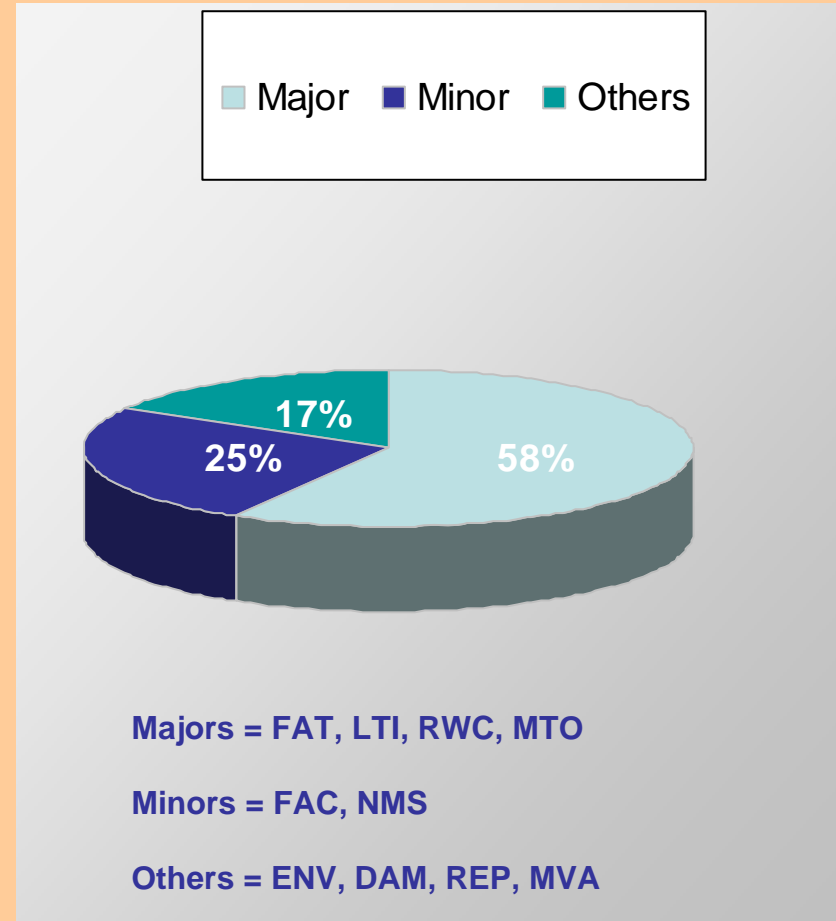
Seal: MINISTRY OF PUBLIC HEALTH
BIRTHS AND DEATHS CENTRAL REGISTER CONTROL

الإدارة العامة للصحة العامة - عمارة الربيعية - الدور الأرضي - مكتب (٧) ص. ب. ٢٩٠٣٧ - الصفاة - الكويت
Murqab - Shuhada Street - Rabia Bldg. - Ground Floor - Office (7) - P.O. Box : 29037 - Safat - Kuwait

The wake up call

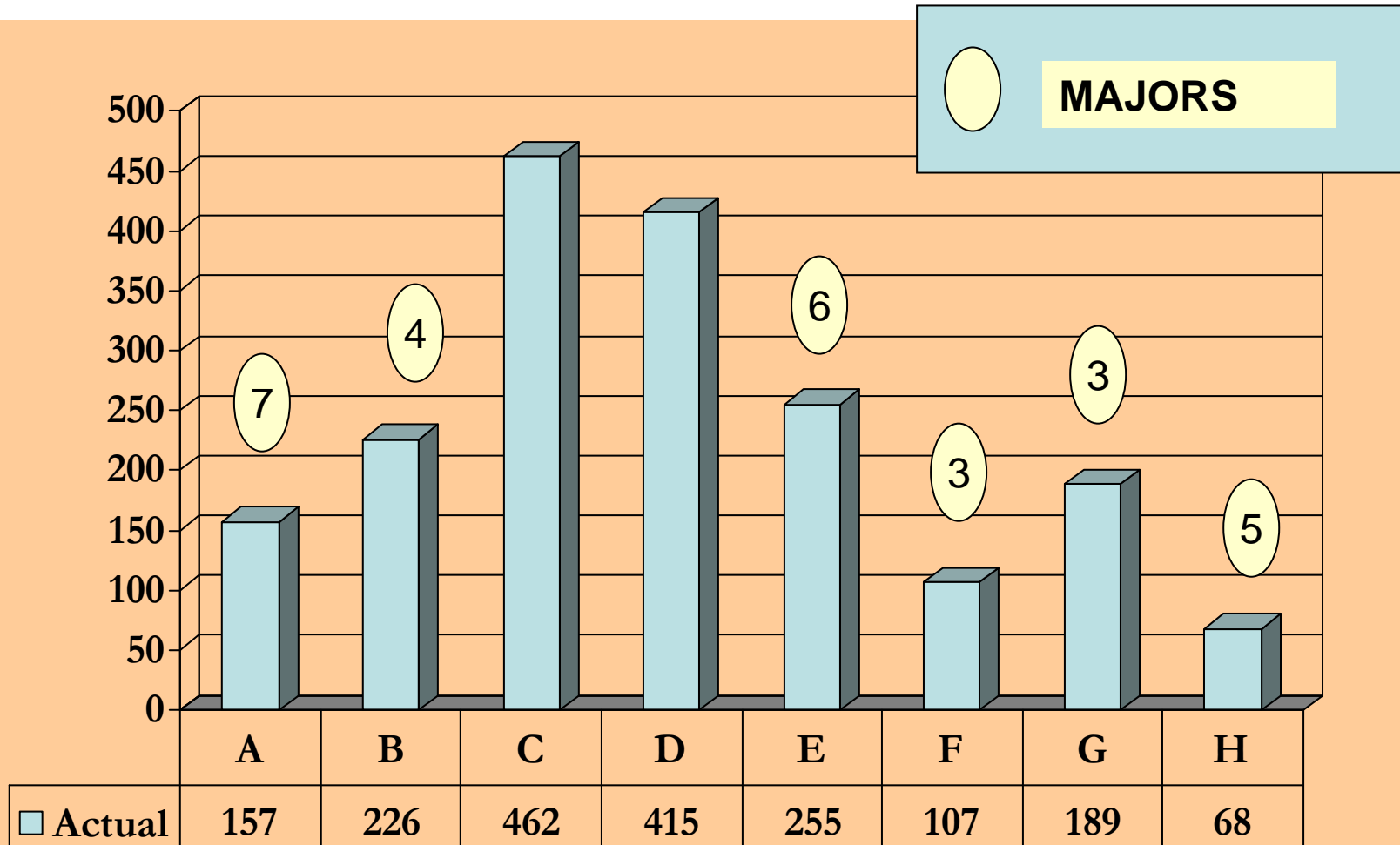
- Rig safety statistics
 - 11 incidents reported
 - 7 Majors Incidents (FAT, LTI, RWC, MTO)
 - 2 Minors (FAC, NMS)
 - 3 Others (ENV, MVA, Report Only)

- **Rig Operational performance - Good**



Stop Cards Vs Majors

(Jun – Dec 2004)

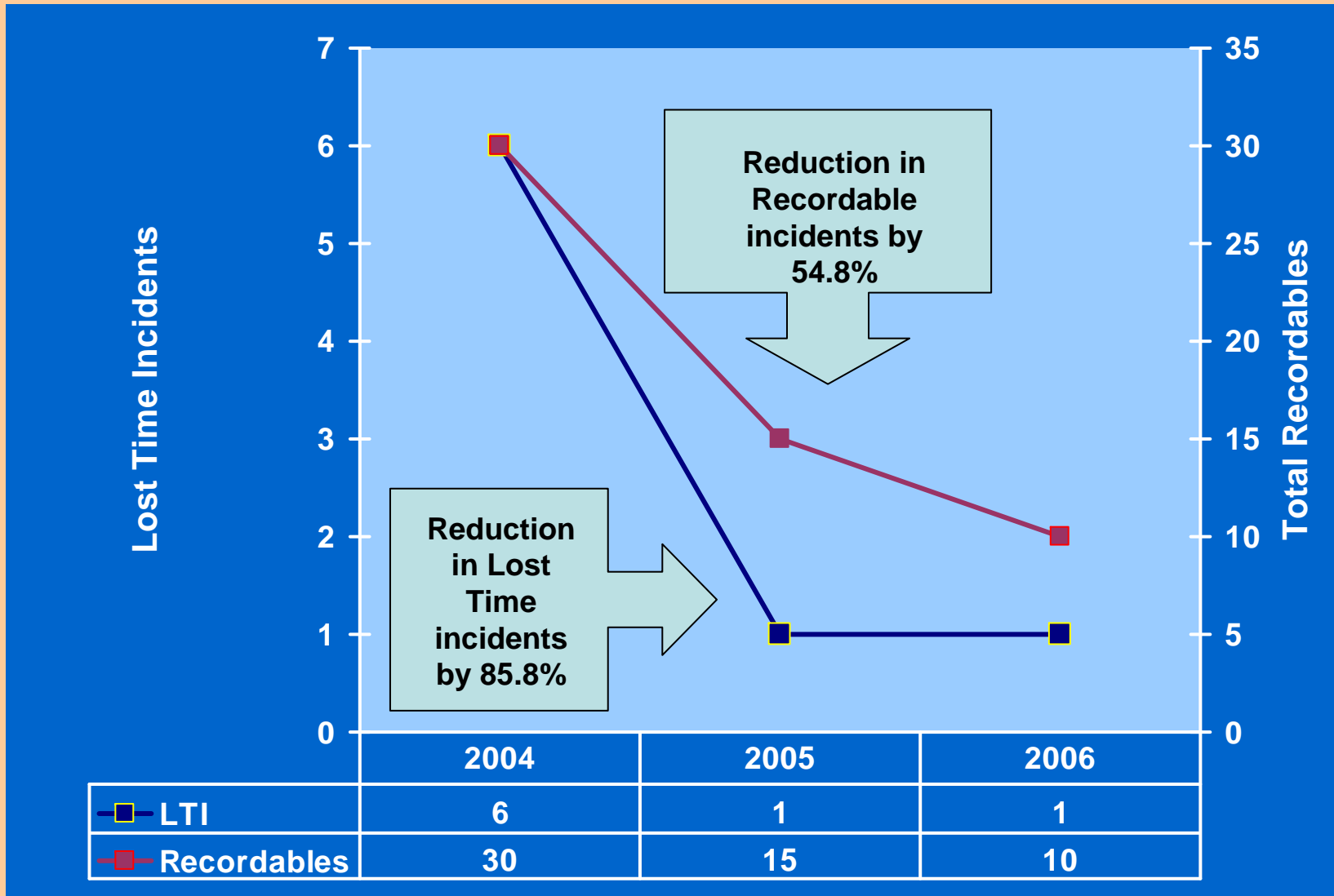




Key for success?

- The reporting of incidents increased by 50 percent on compared to those reported in 2004.
- We saw an increase by 43 percent in First Aid Cases reporting in 2005 to date compared to 2004.
- We saw an increase by 36 percent in Near Miss reporting in 2005 to date compared to 2004.
- By year end 2004 we had 3826 STOP Cards submitted across the eight rigs. As of 31st December we have had 7528 or 49 percent increase.

What were the results



What were the results

- **Lost Time Incident Frequency rate** at year end 2005 was 0.47 compared to 3.43 at year end 2004.
- This is a **85.8%** decrease and inside our projected target of a 20% reduction or <2.8.
- In actual LTI's we had 1 compared to 6 last year.
- Our **Total Recordable Frequency Rate** (Fat, LTI, MTO and RWC) at years end 2005 was 7.88 compared to 15.85 at year end 2004.
- This is a **54.8%** decrease and inside our projected target of a 20% reduction or <13.72.
- In actual recordables we have had 16 this year compared to 30 last year.

A DIFFERENT VIEW...

2000 / 2001

“LOW-KEY INCIDENTS”

(First Aid Cases & Near Misses)

VS.

“SERIOUS INCIDENTS”

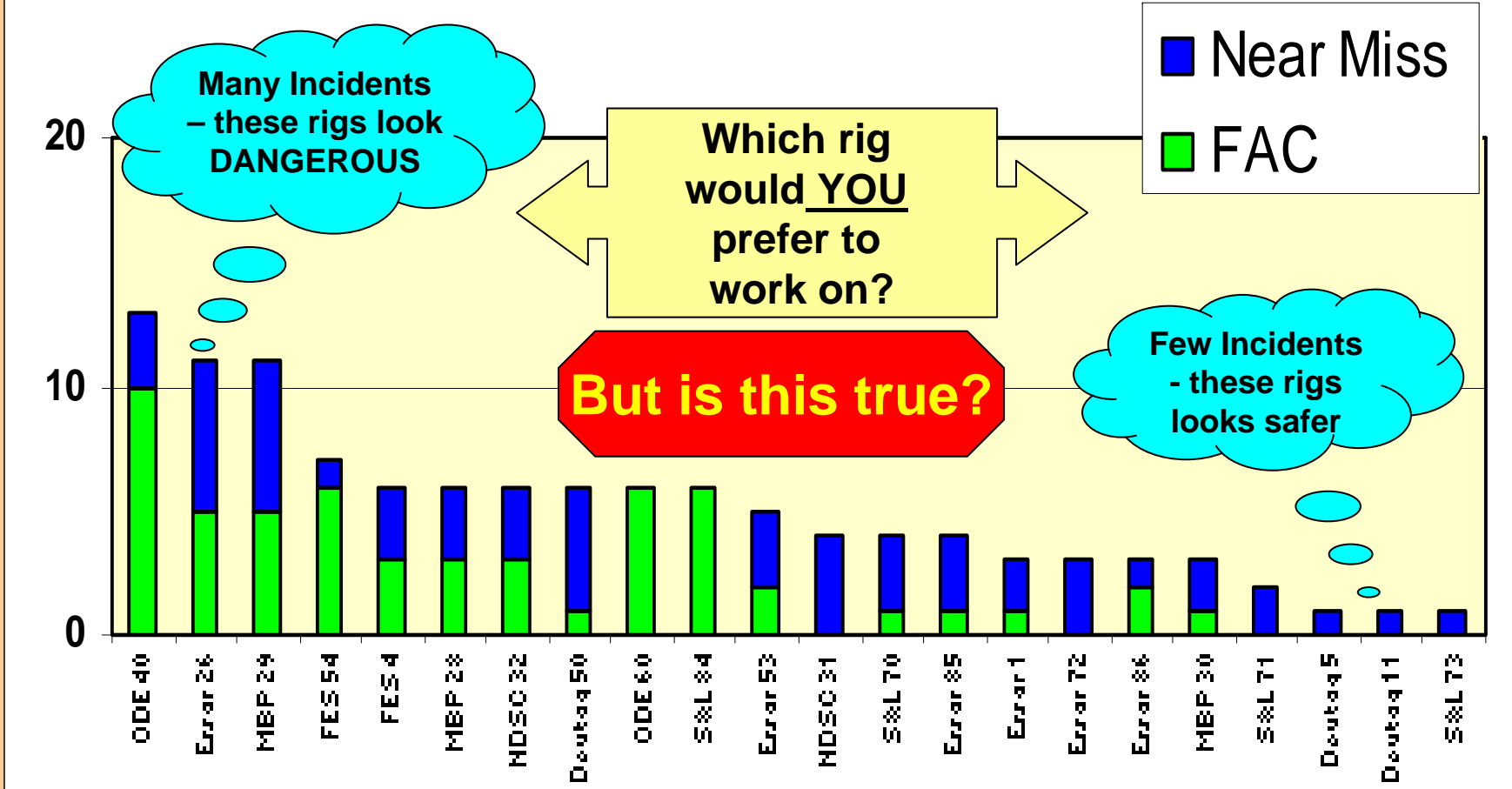
(LTI & Fatalities)

The Analysis covered:

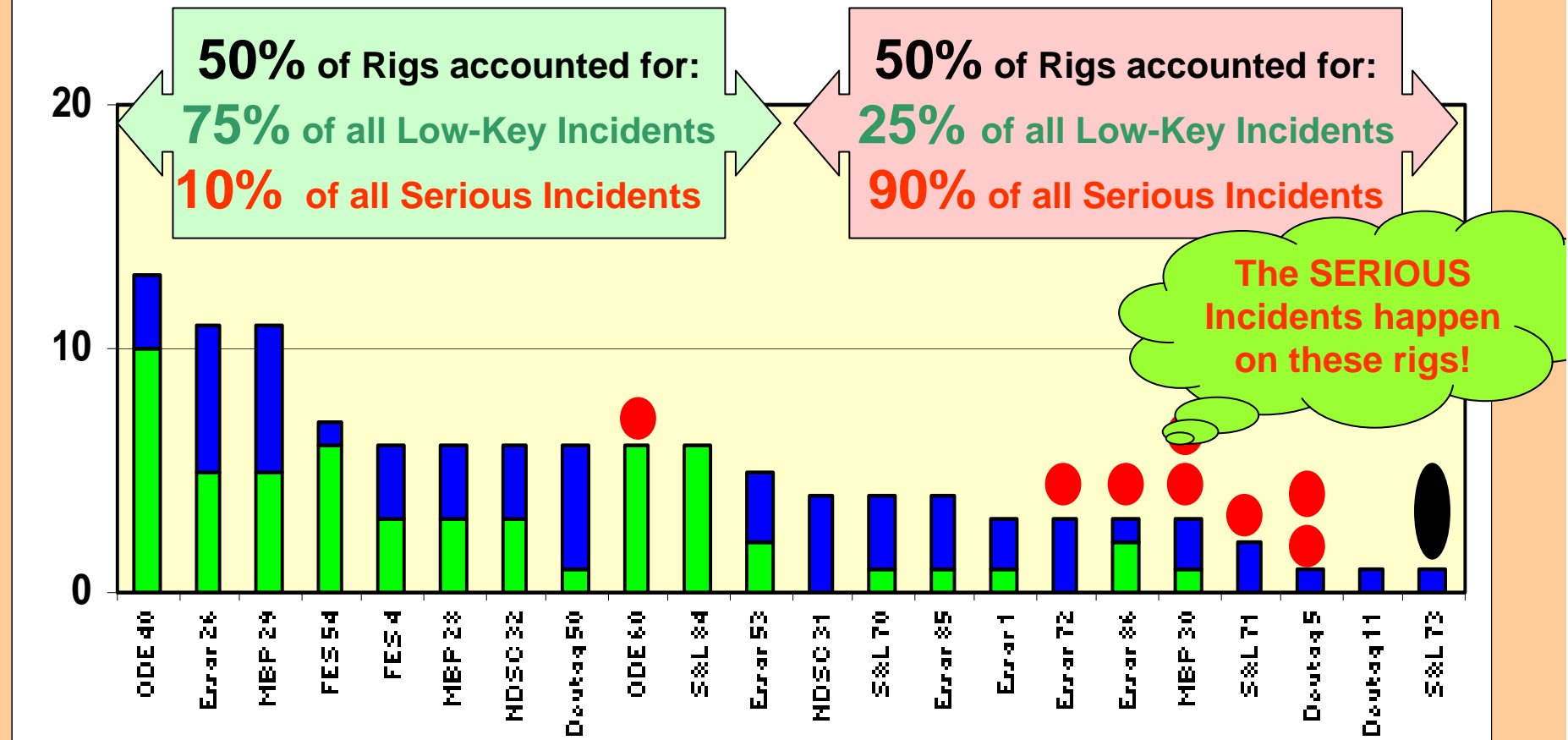
22 Drilling Rigs in the Fleet

- ✓ Same type of rigs & equipment, doing
- ✓ Same type of work, with
- ✓ Same type of people, in
- ✓ Same environment, under
- ✓ Similar Safety Management Systems

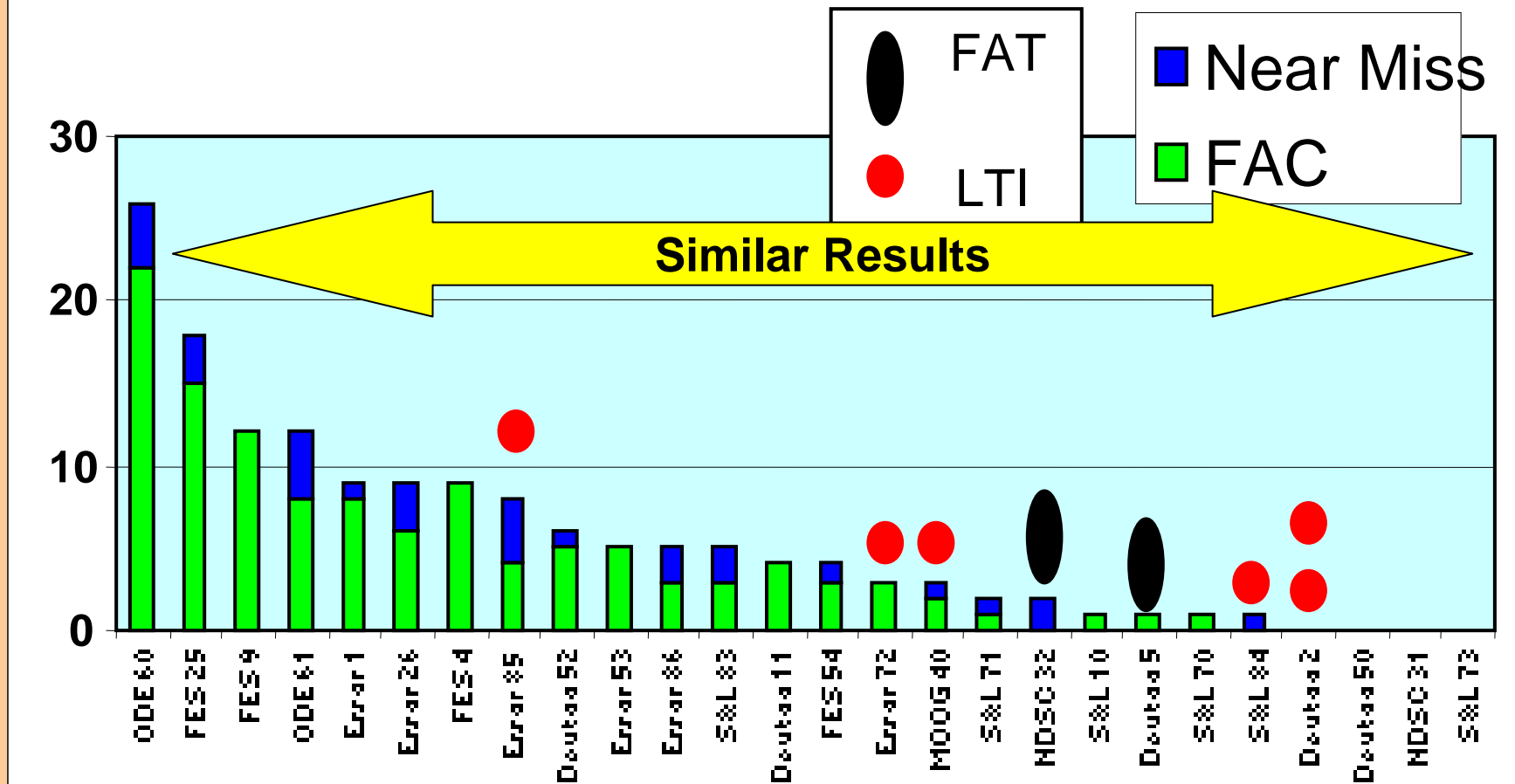
Low-Key vs. Serious Incidents, 1/7/2000 - 30/6/2001



Low-Key vs. Serious Incidents, 1/7/2000 - 30/6/2001



Low-Key vs. Serious Incidents, 1/7/1997 - 30/6/98



In closing

- Regions, Companies and Rigs have varying “Incident Reporting Cultures”
 - I suspect low key incidents are happening, but are not being reported
- Rigs that report more minor incidents (FAC & NM) tend to have fewer Incidents
 - Encourage reporting of all incidents – don’t shoot the messenger
- Rigs that report fewer minor incidents appear more likely to have a serious incident
- We should focus on operations that do NOT routinely report minor incidents – less focus on those that do
 - No news it not always good news

- We need to monitor measure Minors Vs Majors.
In my opinion Frank E Bird's Safety Pyramid does work
- Better communications of incidents which do occur.
- Focus on severity of incidents not the type of incident.
- Don't just investigate major incidents. Remember learning from minors should prevent majors.

Thank You
Q & A