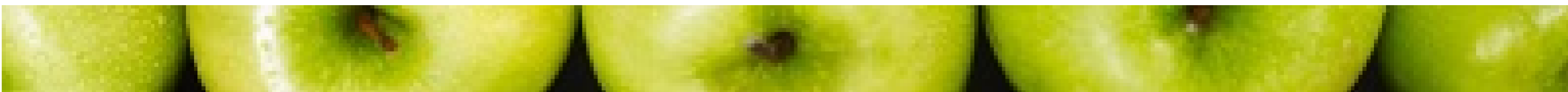




INVERCLYDE OUTLIER EXPERIENCE

Dr Niall McMahon



INTRODUCTION

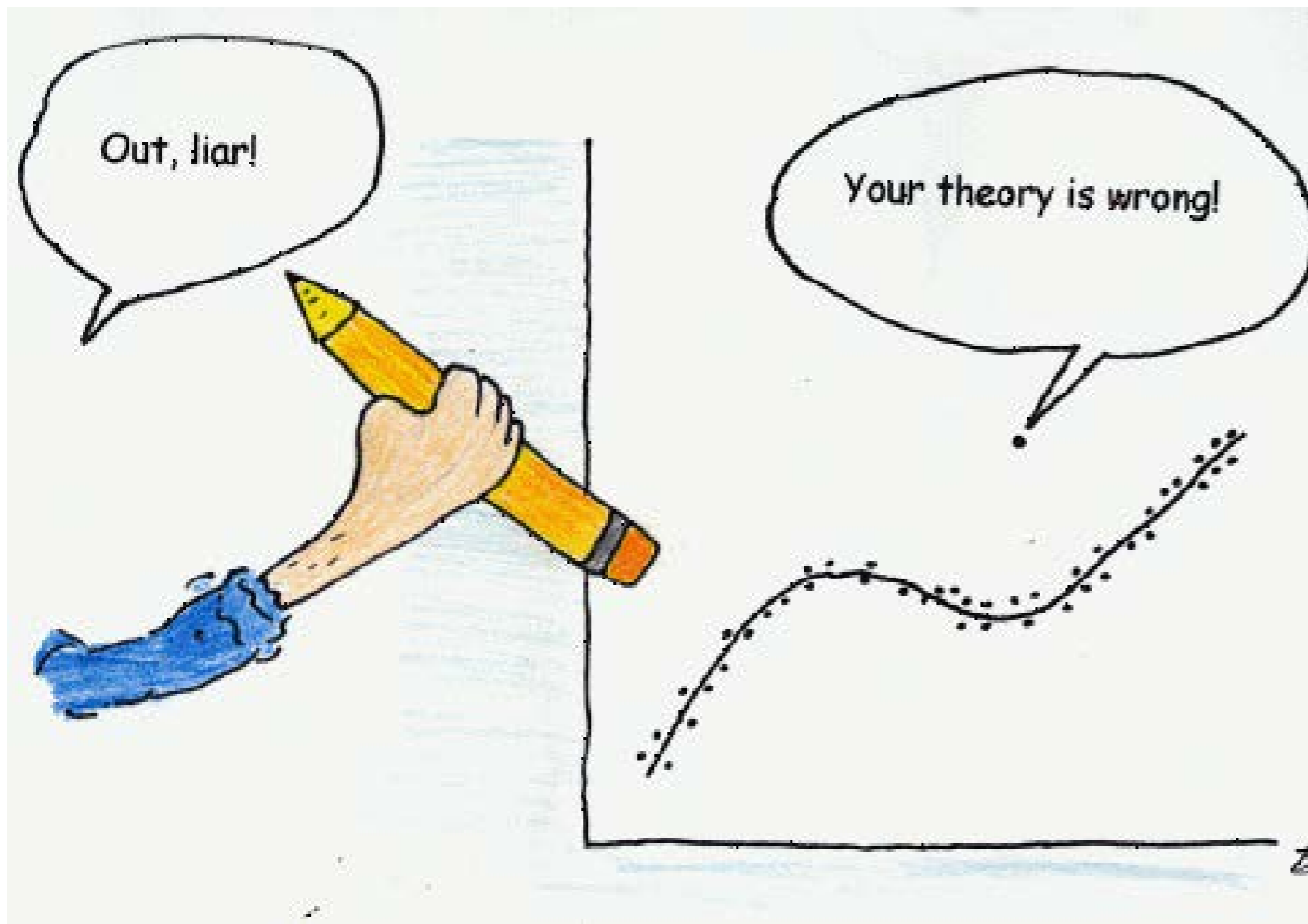
- Why me?
- What happened
- Our process in response to the data
- Conclusions, suggestions & general advice

STAG CLINICAL LEAD

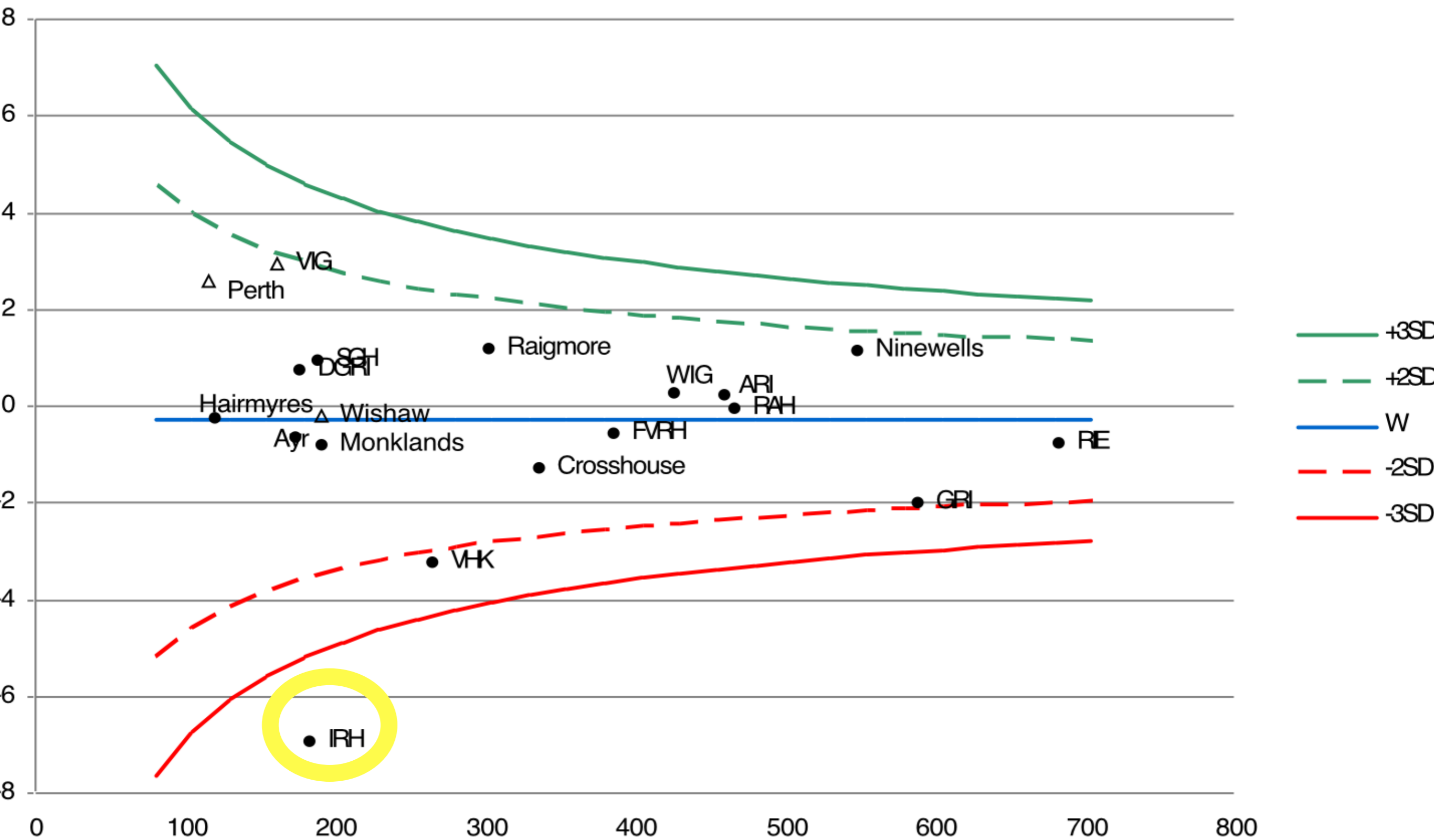


OUR PROBLEM

- Higher mortality
- Few cases
- Historical data
- Natural variation, bad luck or problem??



Survival rates STAG hospitals 2013-2014



“

Houston, we have a problem

-Jim Lovell, Apollo XIII

“

Lies, damned lies, and statistics

-Mark Twain*



To be forewarned is to be forearmed

-unknown

RELIABILITY OF DATA

- Local & regional STAG QC
 - Quick
 - Accessible
- Statistical analysis
 - Funnel plot
- Concrete outcome measures



CASE REVIEW

- All unexpected deaths
 - n=15 over 2years
- Multi specialty review
- ED and inpatient care
 - Derioration acted on
 - Thromboprophylaxis
 - Timely antibiotics
- STAG QIs for major trauma

CASE REVIEW



- Low tech
- Limitations of PS12
- No glaring errors
- Recurrent themes or learning points?

RESULTS

- Detailed analysis of studied group
- Review of individual clinical cases
- Clinical learning points / reflections
- Recommendations
 - Clinical
 - Logistical
 - Organisational / aspirational

SHARING IS CARING

- Open & honest
- Trauma specific MDM
- Hospital and board CG groups
- STAG governance visit



TAKE HOME MESSAGES

- No surprises and no fear
- Trust the data validation
- Use easily accessible clinical information
- Quick fix or marginal gains?
- Harness the interest to share what you learn
- Positive experience and driver for change