

A thick blue wavy line that starts on the left, dips down, and then rises towards the right, spanning the width of the slide.

The Human Factors Perspective

The weakest link ?

Catherine Smith Head of HS&W Projects

NHS Blood and Transplant

The Human Mind is Faulty

Errors in perception

The only person who has never made a mistake are the ones
who have never done anything!

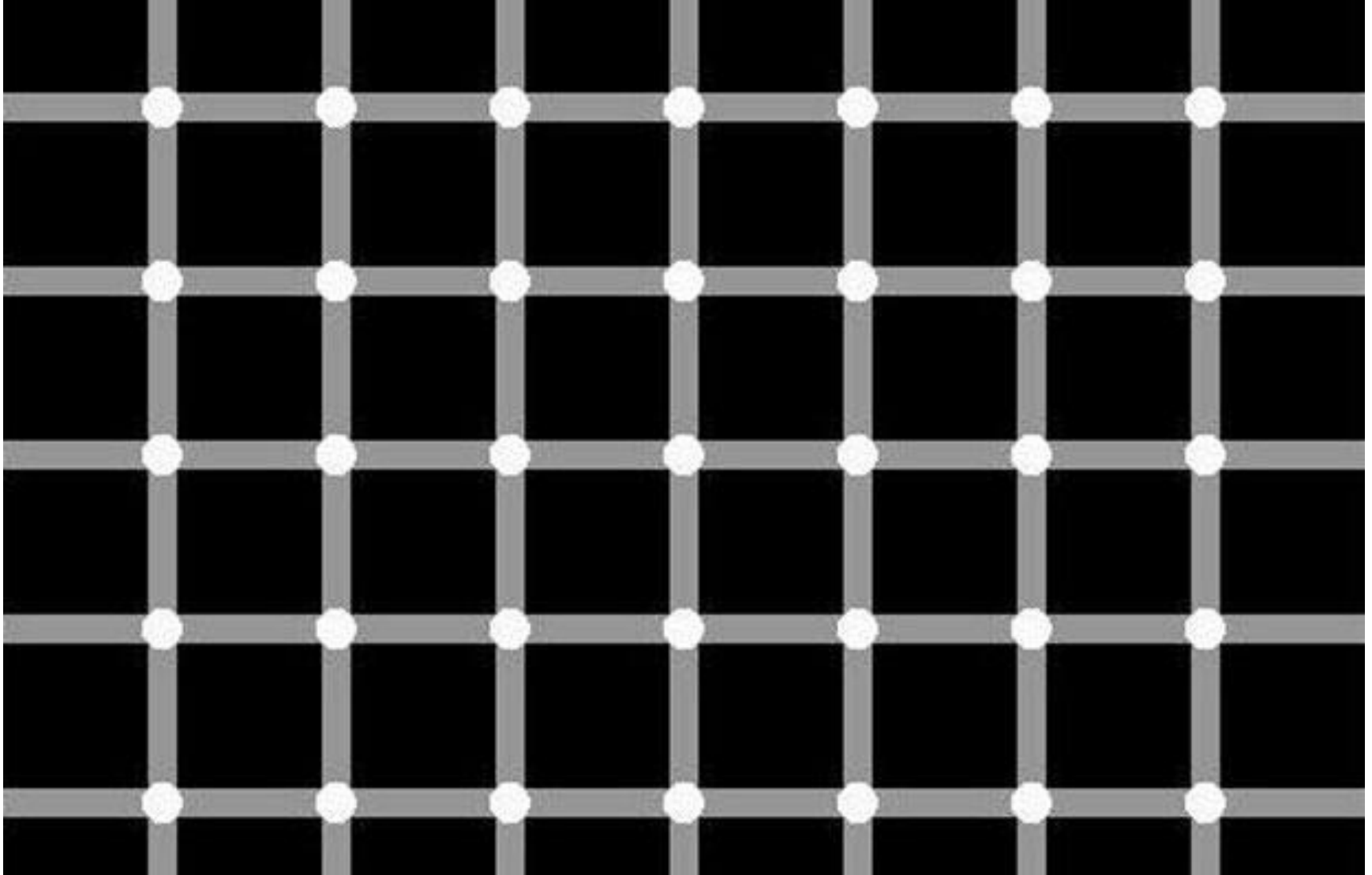
A thick blue wavy line that curves across the top of the slide, separating the header from the main content.

90% of all accidents are caused
by human failure

true ... BUT

99% of human failure is caused
by the prevailing conditions

Are the circles light or dark ?



$$7 \pm 2$$

‘The Magic Number’

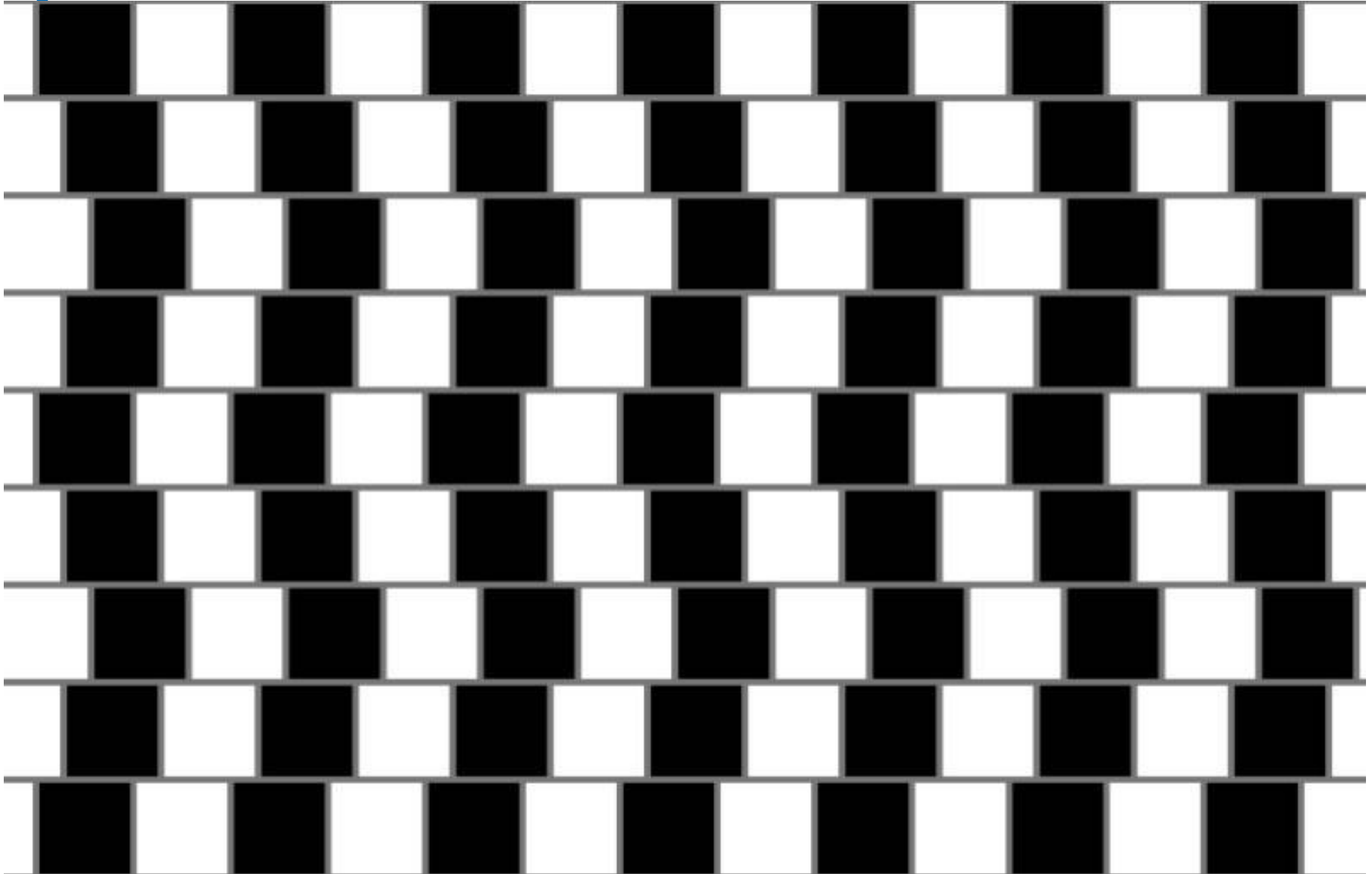
We are human, not machines.

We can only deal with so much information at once.



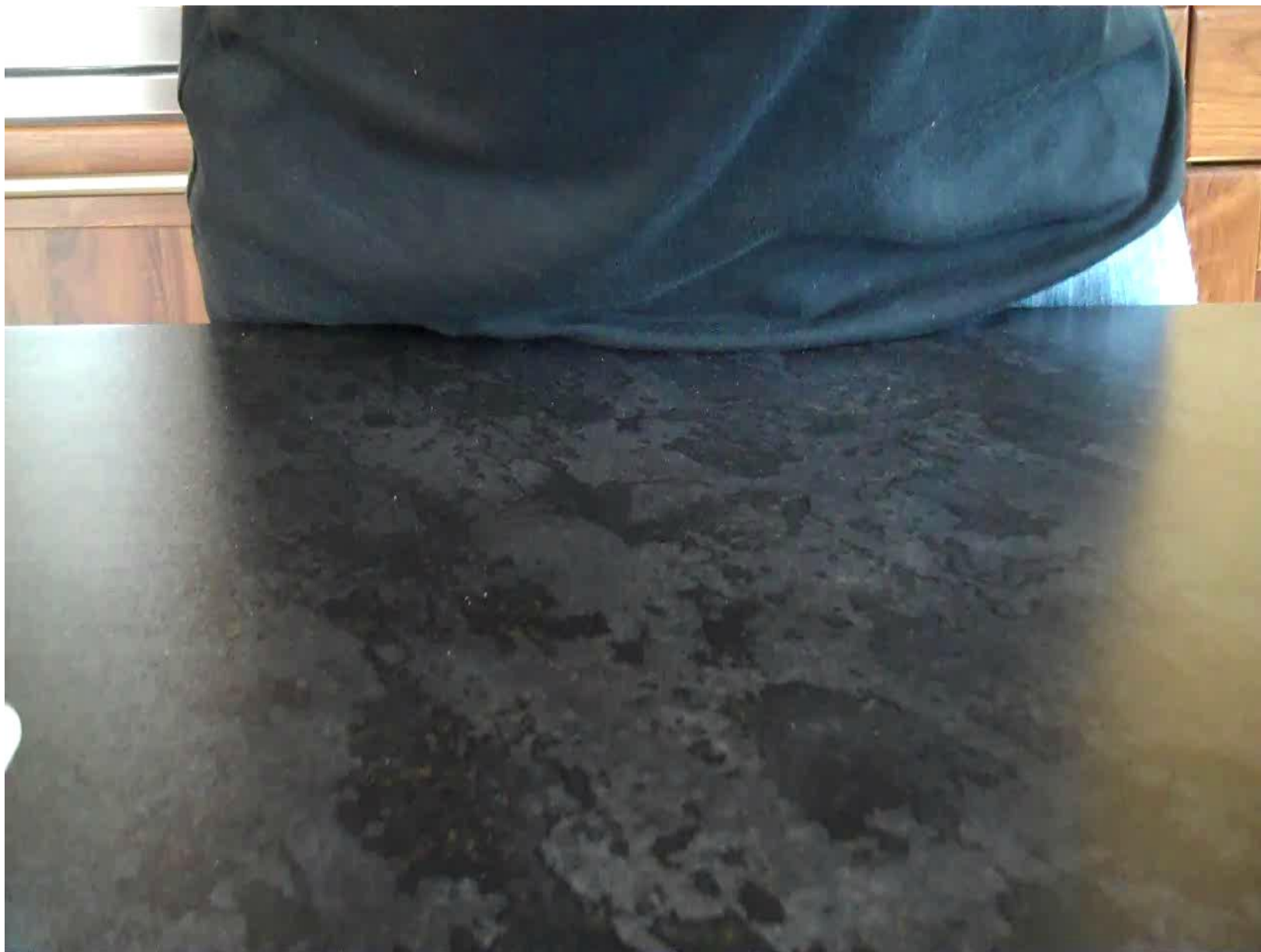
Are the lines parallel

2



Are you alert ?

**How many red cards are dealt
in the following video clip....**



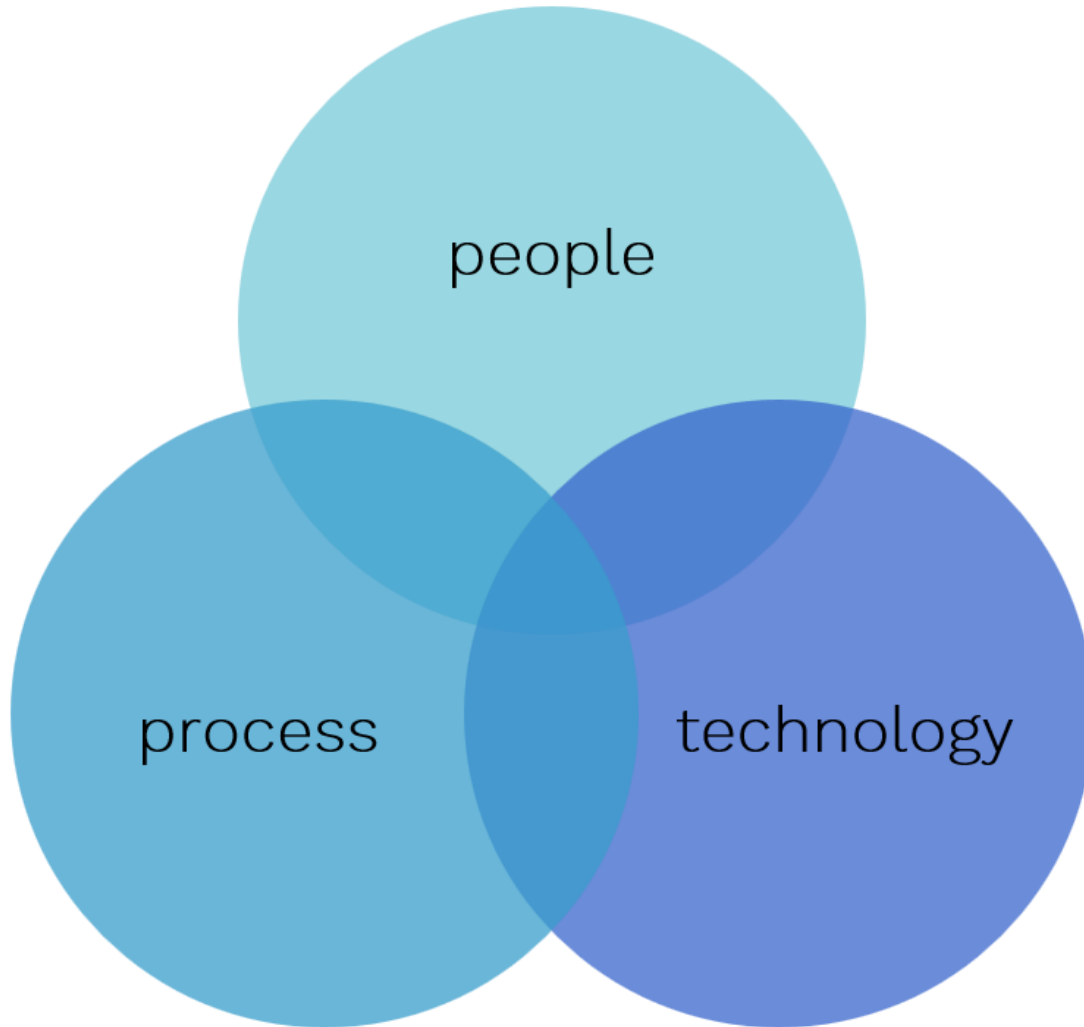
What do you see ?



Two lovers kissing



Interactions & Influences



Case Study SHOT 2017 report

Scenario

Patient was transfused platelets and red cells in separate incidents with only one group on record in the laboratory information management system (LIMS).

Individual culpability identified as root cause

“Total culpability attributed to individuals may fail to highlight system problems”

Following were also factors:

- Workload issues
- Lone working
- Nightworking
- Assumed test done earlier
- Layout of information - comment highlighting test had not been done was at bottom of the report

Corrective and Preventative Action

Update the SOP and add flag to LIMS

National Quality Board

Scenario

Two patients with same name set up with one hospital number and set of medical notes. They had different medical conditions requiring appointments in different departments. Both had knee pain. Wrong patient arrives and had the procedure (knee operation) intended for the other.

Learning

4 different hospital numbers on medical records, more than one GP and several addresses

Patient identifier labels replicated many times

No independent translator

Consent and pre-op assessment form not completed properly

Accident

Scenario

Back injury sustained whilst loading equipment cages onto lorry at the end of a blood collection session.

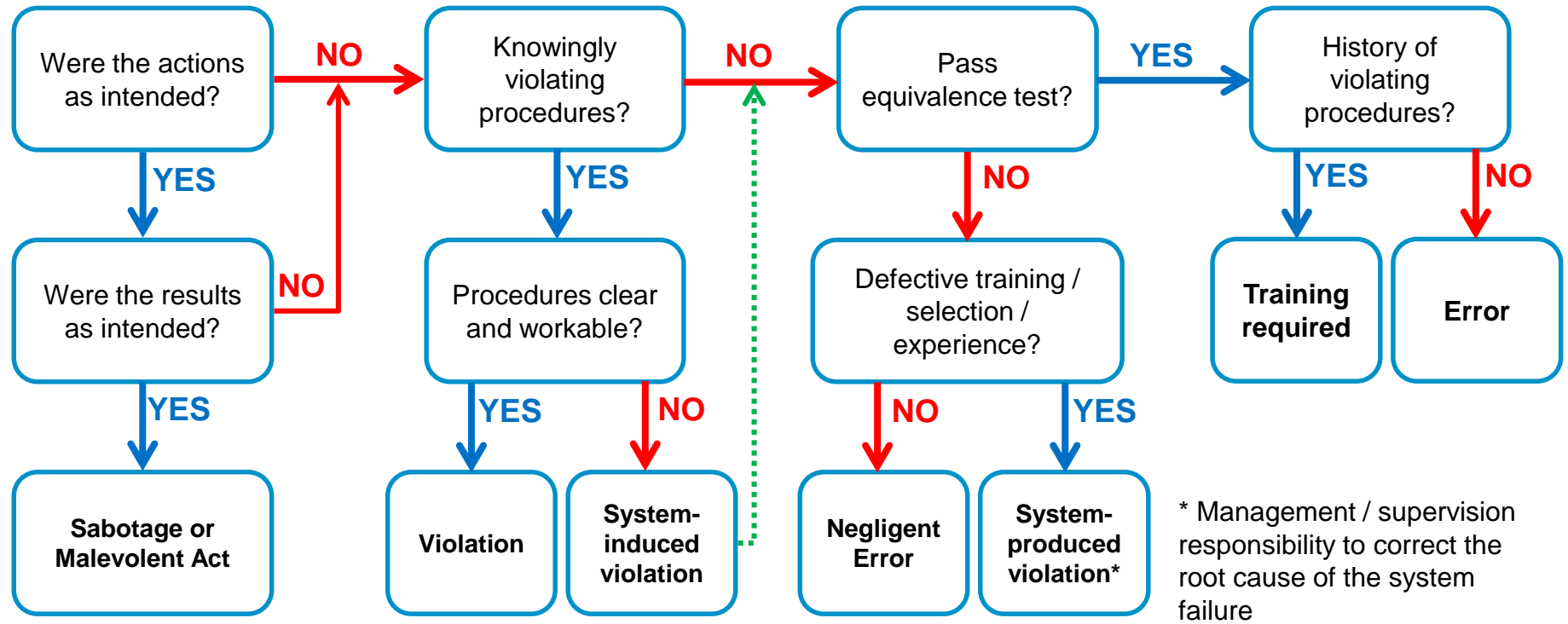
Learning

Fatigue and tiredness

Environment - lighting and uneven ground

Faulty brakes – maintenance of equipment

Typical “Just Culture” Process



* Management / supervision responsibility to correct the root cause of the system failure

Coaching

Verbal Warning

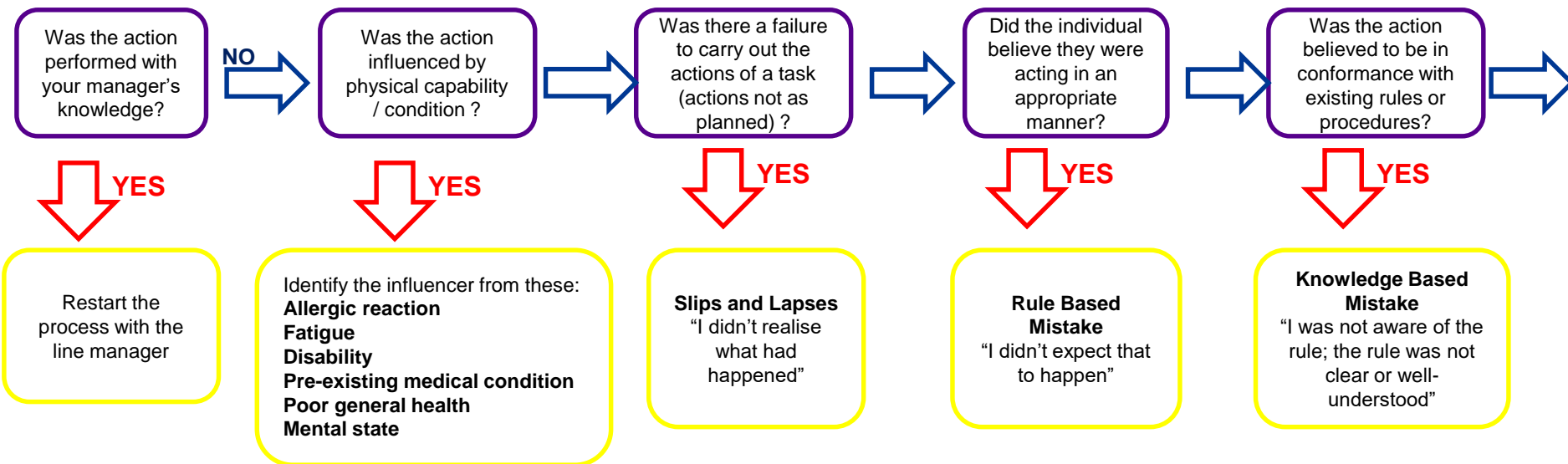
First Warning

Final Warning

Dismissal

INDIVIDUAL CULPABILITY

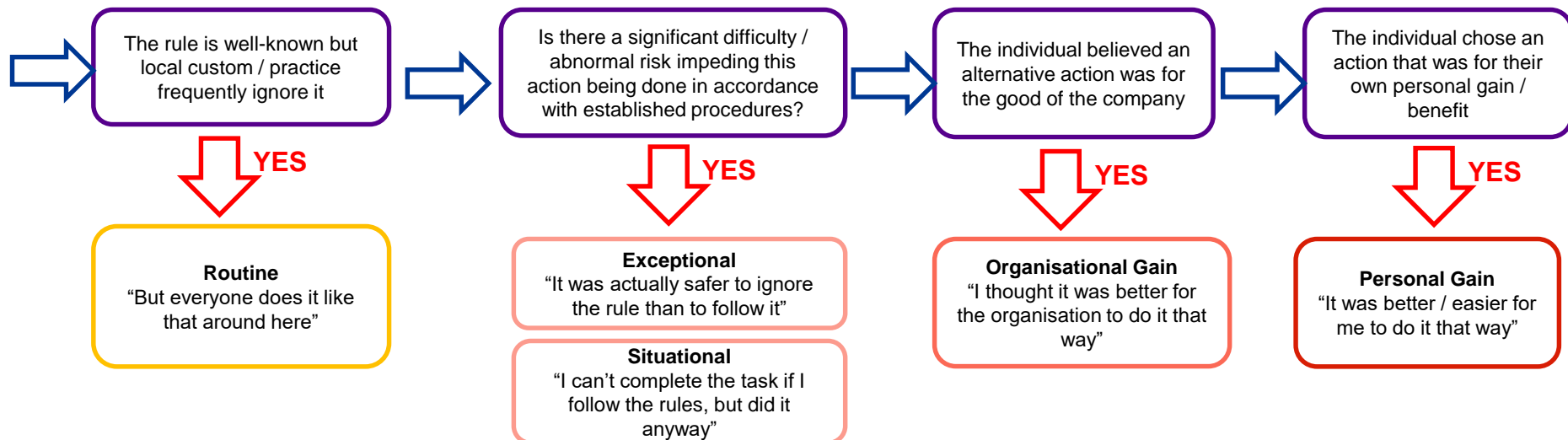
Analysis of People Causes



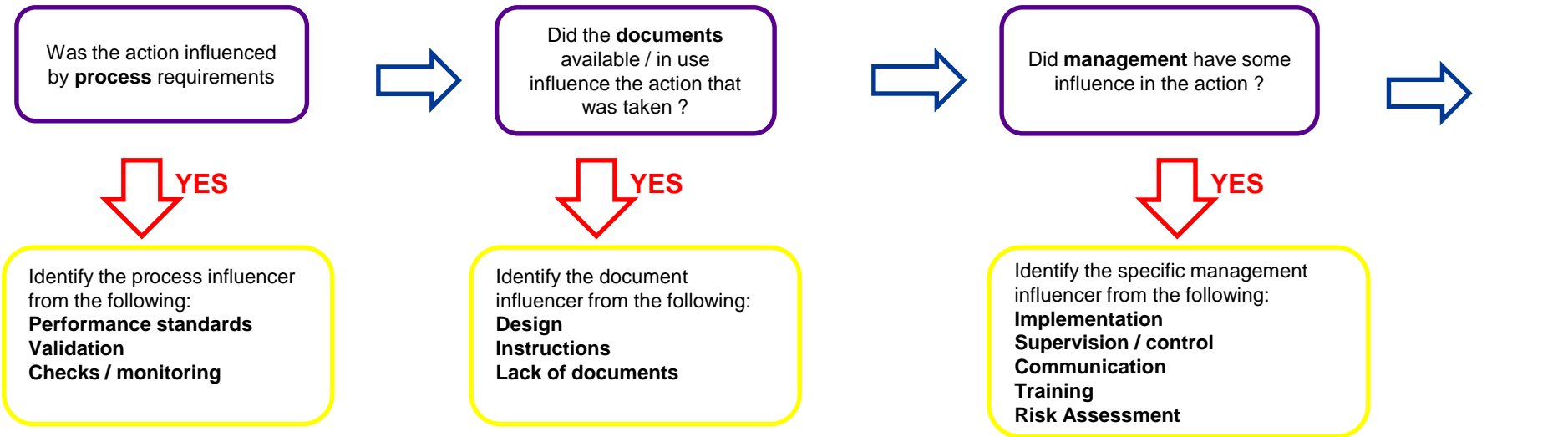
NB. "action" refers to action, event and / or behaviour
"influence" refers to its affect / have some bearing on the action

PHYSICAL CAPABILITY & ERRORS

VIOLATIONS



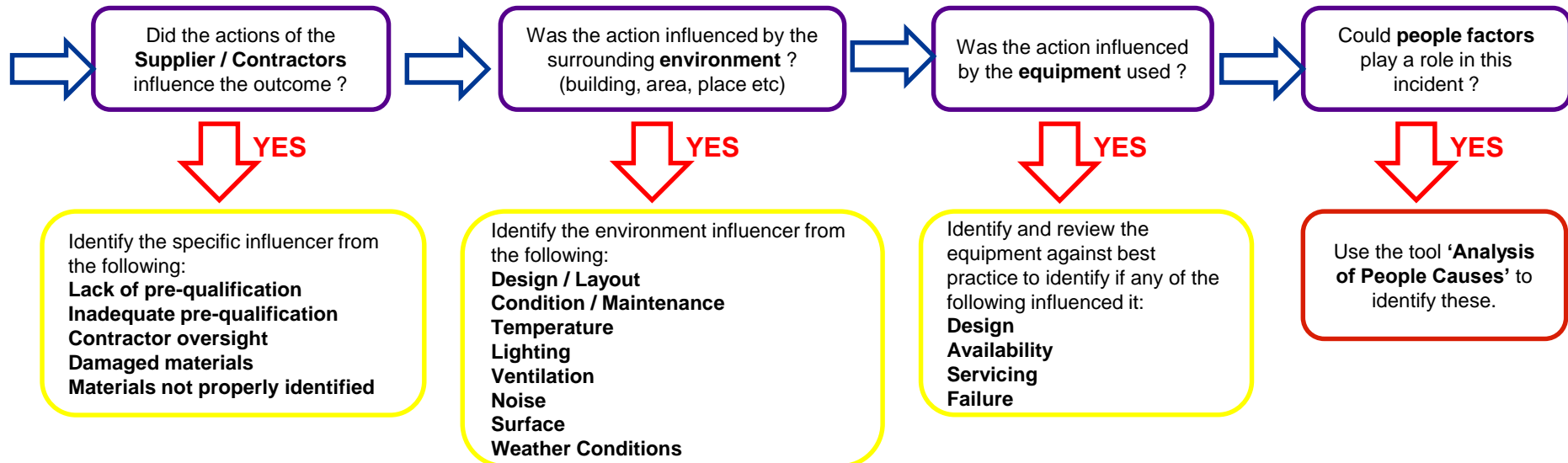
Analysis of System Causes




NB. "action" refers to action, event and / or behaviour
"influence" refers to its affect / have some bearing on the action

PROCESSES & CONTROL

SUPPLIER, ENVIRONMENT & EQUIPMENT



Other Considerations

- NHS Improvement Just Culture Guide
 - How committed are the top management (*really?*)
 - How well are incidents investigated / followed up / **closed out?**
 - Relationships across teams / directorates / sites
 - Ownership
 - Blowing the trumpet
 - How to keep it fresh
- 

What do you see?

