

How To Learn From What Goes Well? or What Happens When "Nothing" Happens?



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What does it mean to be safe?



Patient safety is the <u>absence</u> of <u>preventable</u> <u>harm</u> to a patient during the process of health care. The discipline of patient safety is the coordinated efforts to prevent harm, caused by the process of health care itself, from occurring to patients.



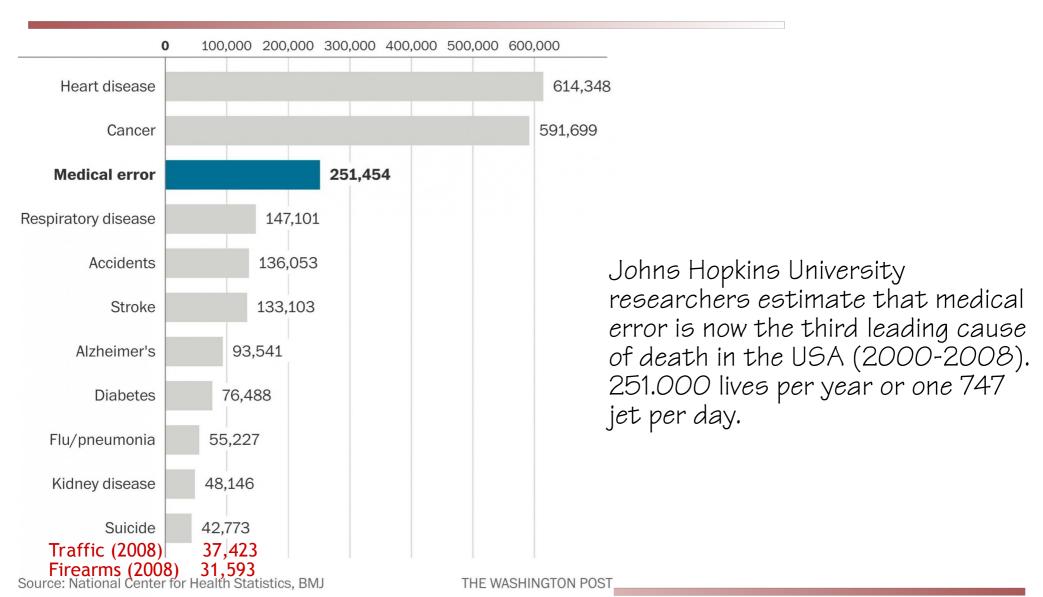




When we think about safety, we usually think about accidents - about (low probability) events with adverse outcomes.

Medical error: 3rd leading cause of death





The problem is safety!





- 3. DEFINITIONS
- 3.20 Safety. Freedom from unacceptable risk.









Safety is defined as 'freedom from accidental injury,' which can be achieved by 'Avoiding injuries or har

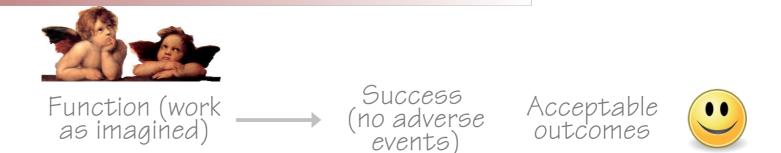
AHRQ Agency for Healthcare Research and Quality

Advancing Excellence in Health Care

achieved by 'Avoiding injuries or harm to patients from care that is intended to help them.'

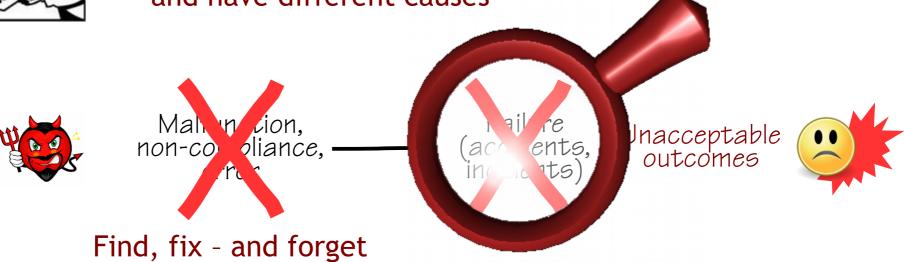
Increasing safety by reducing failures







Hypothesis of different causes: Things that go well and things that go wrong happen in different ways and have different causes



The measurement of safety



631

542





Learning from adverse events

Adverse events reported to the Health Quality & Safety Commission

Safety-I – when nothing goes wrong



Safety is a condition where the number of adverse outcomes (accidents / incidents / near misses) is as low as possible.





Safety-I is defined by its opposite - by the lack of safety (accidents, incidents, risks).



The premise for Safety-I is the need to understand why accidents happen.

If we want something to increase, why do we use a measure that decreases?

Accidents and incidents represent a lack of safety.

How can we learn about safety by studying situations where it isn't there?

Managing Safety-I



Safety-I is a condition where the number of adverse outcomes (accidents / incidents / near misses) is as low as possible.

The belief in causality (Causality Credo)



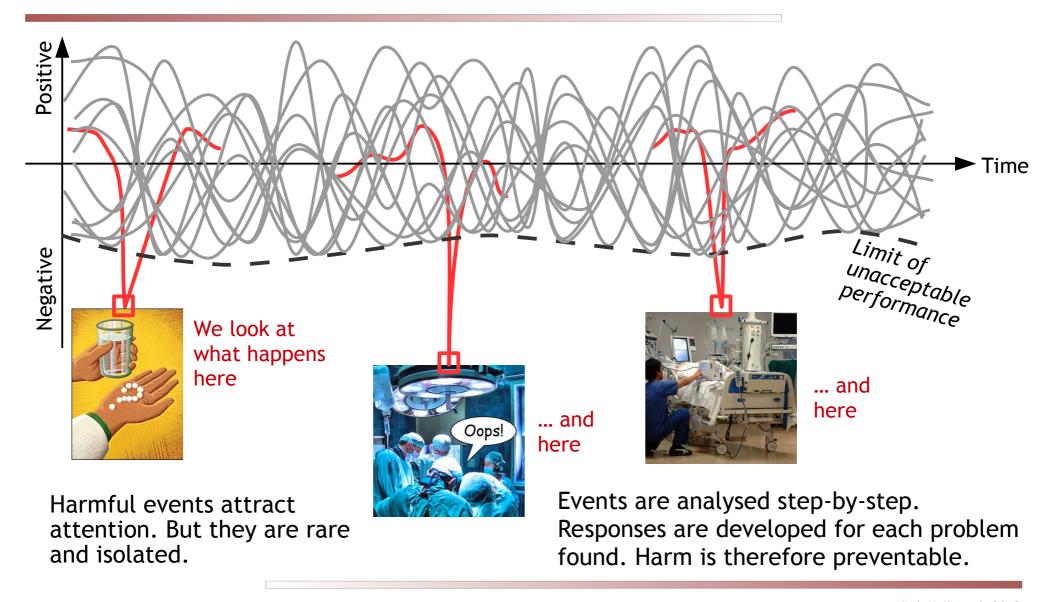
- (1) Adverse outcomes happen because something has gone wrong (cause-effect thinking + value congruence between cause and effect).
- (2) Causes can be <u>found</u> and <u>treated</u> (rational deduction).
- (3) All accidents are therefore preventable (zero harm principle).



Prevent, eliminate, constrain.
Safety, quality, etc. are
different and require different
measures and methods.

Managing safety by snapshots





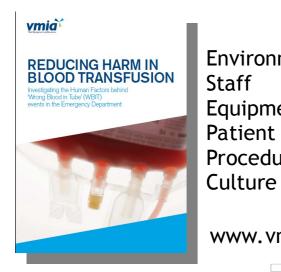
Wrong Blood in Tube (WBIT)



WBITs are estimated to occur at a rate of approximately 1 in 2.000 samples. Main causes are:

labelling of sample tubes away from the bedside failure to check patient identity similar names (together with incorrect identity checks) use of pre-printed labels confusion of patient notes and/or request forms inaccurate verbal instructions/no request form





Environment (3 recommendations)
Staff (9 recommendations)
Equipment (12 recommendations)
Patient (2 recommendations)
Procedure (6 recommendations)

(8 recommendations)

www.vmia.vic.gov.au

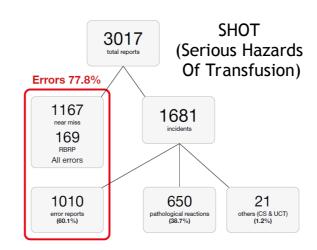
(These recommendations) will provide input for those responsible for reducing errors related to mislabelling and miscollection of blood samples.

The implementation ... <u>should be considered</u> <u>in the broader context</u> of the organisational culture of Australian healthcare.

But do we really know what happens?



The numerator is how many there are of a type of event – accidents, incidents, etc. This number is known (with some uncertainty)



We <u>always</u> count the number of times something goes wrong. We analyse the rare events.

Numerator

The denominator is how many cases something went well. This number is usually unknown.

Denominator



We <u>rarely</u> count the number of times something goes well. We need to understand the common events.

The problem is NOT safety!



Safety is defined and measured more by its absence than by its presence. Reason, J. (2000). Safety paradoxes and safety culture. Injury Control & Safety Promotion, 7(1), 3-14.







Reliability is a dynamic non-event ... it is an ongoing condition in which problems are momentarily under control due to compensating changes ... Weick, K. E. 1987.

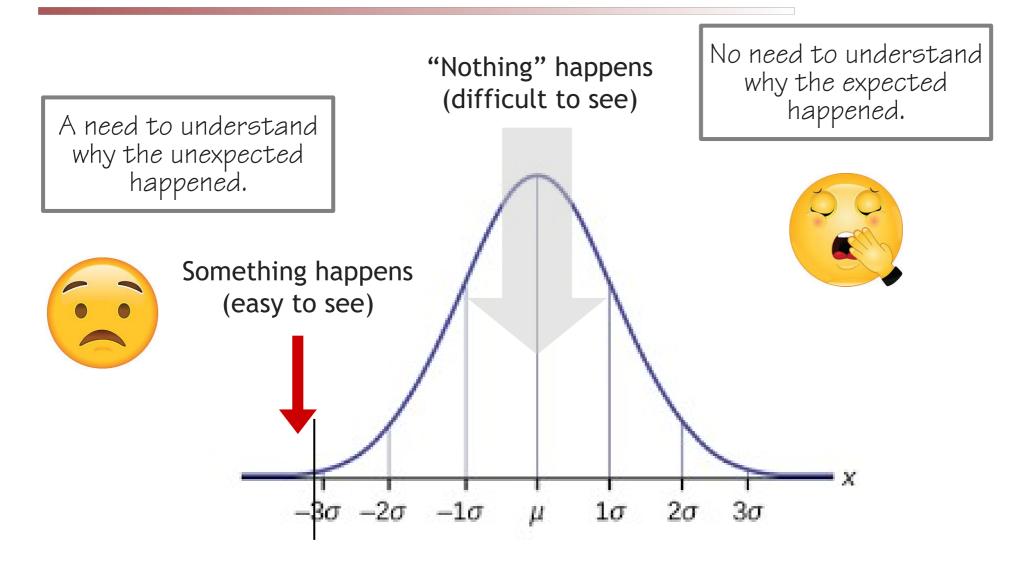
Organizational culture as a source of high reliability. California Management Review 29 (2), 112-128.

Safety is invisible: people often don't know how many mistakes they could have made but didn't ...

Safety is invisible: reliable outcomes are constant, which means there is nothing to pay attention to.

Events and "non-events"





Life is full of "dynamic non-events"



Every day, from morning to night,





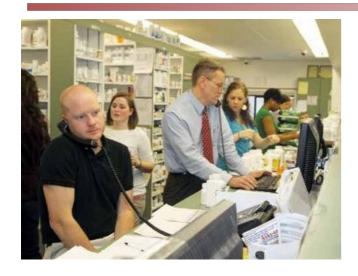
works just as it should



and we take it for granted

What happens when "nothing" happens?





Resources (time, manpower, materials, information, etc.) may be limited and uncertain.



People adjust what they do to match the situation.



These adjustments are inevitable, ubiquitous, and necessary.





Because of resource limitations, performance adjustments will always be approximate.

Performance adjustments are the reason why "nothing" happens — why work is safe and effective.





Performance adjustments are also the reason why things sometimes go wrong.

How are adjustments made?





AVOID

anything that may have negative consequences for yourself, your group, or organisation

COMPENSATE FOR

conditions that makes work difficult or impossible.

conditions that are necessary to carry out the work.

Increase safety by doing things well



Safety must be based on an understanding

of Work-as-Done. Function (work as imagined)



Everyday work (performance variability)

Constraining performance variability non-compliance, to remove failures also removes the basis for everyday work.

Malfunction, error



Failure (accidents, incidents)





Safety II – when everything goes right



Safety-II: Safety is a condition where the number of successful outcomes (meaning everyday work) is as high as possible. It is the ability to succeed under varying conditions.

Safety-II is achieved by trying to make sure that things go right, rather than by preventing them from going wrong.

Safety is defined by its presence.



The focus is on everyday situations where things go right – as they should.



Health is 'a state of complete physical, mental, and social well-being and not merely the absence of disease or infirmity'.



"Safety" is the ability of an organisation to sustain required operations under both expected and unexpected conditions.

Managing Safety-II



Safety-II is a condition where as much as possible goes well.



Support, augment, facilitate.
Safety, quality, etc. are inseparable and need matching measures and methods.

- 1. Care about what happens all the time rather than what happens rarely. We always count the number of times something fails, but rarely the number of times it just works.
- 2. Look for 'work-as-done' the habitual adjustments and why they are made. When something is done, as a part of work, it has usually been done before and gone well before.
- 3. Learning should be based on the frequency of events rather than their severity. Small improvements of everyday performance may be more important than large improvements of rare performance.

How do "dynamic non-events" happen?





By responding in a flexible way

By monitoring what goes on

By learning what works and what doesn't



Potentials for resilient performance



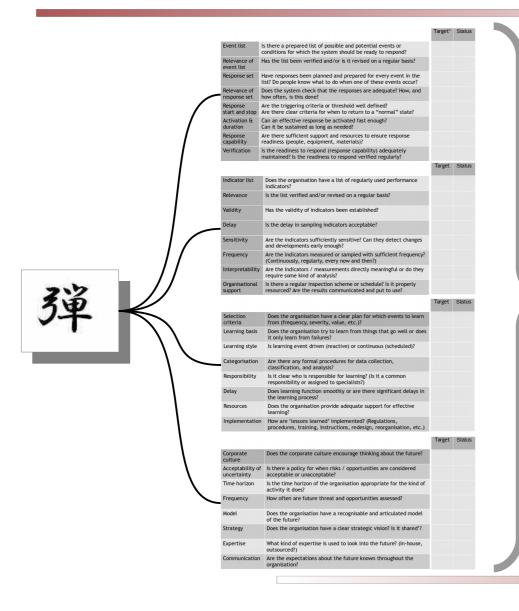
Resilience is an expression of how people and organisations cope with everyday situations - large and small – by adjusting their performance to the conditions.

<u>An organisation's performance is resilient</u> if it can function as required under expected and unexpected conditions alike (changes / disturbances / opportunities).

A potential to respond to threats as well as opportunities. A potential to monitor what happens - externally and Respond internally. Learn Monitor Anticipate A potential to learn - both A potential to anticipate the effects from what goes well and of actions as well as long-term changes to demands and resources. what goes wrong.

The Resilience Assessment Grid (RAG)



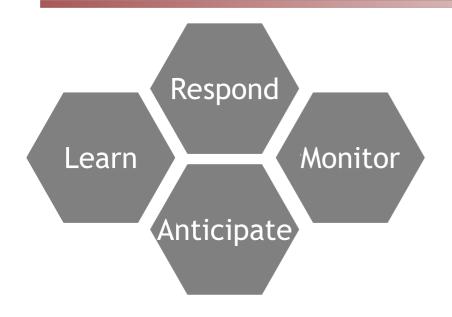


Comprises four sets of questions, one for each potential. The questions are: <u>SPECIFIC</u> – address issues that are important for a concrete organisation. <u>DIAGNOSTIC</u> – point to details of a potential that are meaningful to assess.

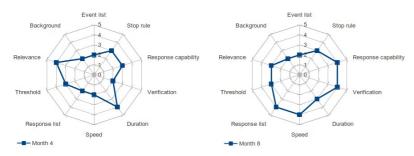
<u>FORMATIVE</u> – answers can be used to make decisions about how to improve potentials.

Managing the resilience potentials





- Develop four sets of questions (specific, diagnostic, formative). This constitutes the Resilience Assessment Grid (RAG).
- 2. Describe the role of the potentials for the organisation and how they relate to each other. Use this to interpret the data and develop effective remedial actions.
- 3. Apply the RAG using pre-defined respondents. Collate the results and provide feedback. Agree on needed remedial actions.
- 4. Use the RAG regularly to make repeated assessments. Safety management must be done continuously over an extended period of time.



www.resilienthealthcare.net



NEWS READS ABOUT ▼



RESILIENT HEALTH CARE

"Health is more than the absence of disease" "Safety is more than the absence of risk"

The 8th RHCN Meeting will be held from August 26th (Mon) to 28th (Wed) 2019 at in Awaji Island, Hyogo, Japan.

The meeting will be preceded on August 25 by a small group workshop or a larger symposium like the one in Sydney in 2015.

