

NAMDET 2021 virtual conference

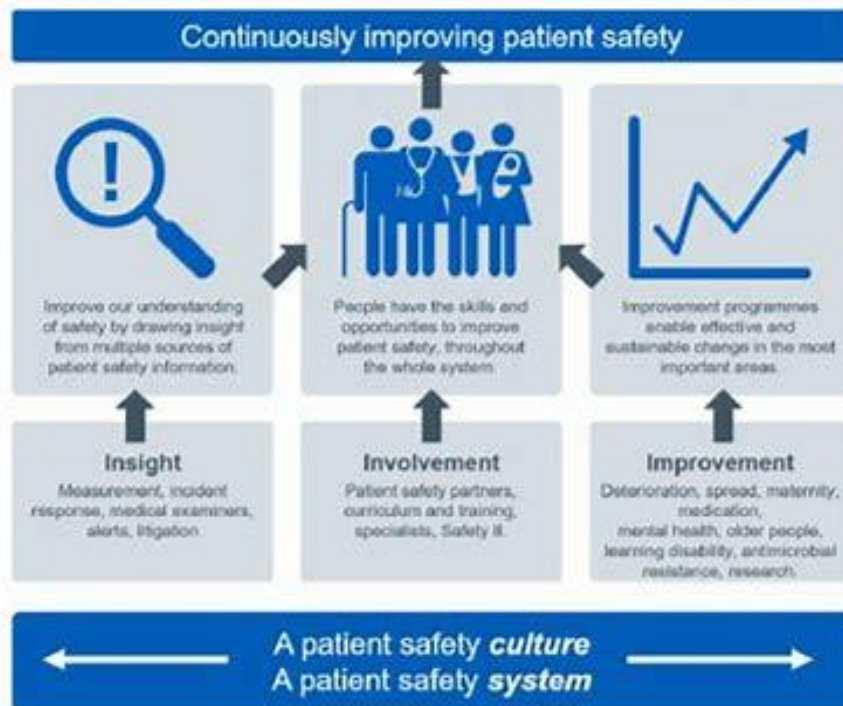
Sarah Jennings, Patient Safety lead for medical devices
NHS England & NHS Improvement

November 2021

NHS England and NHS Improvement



National Patient Safety Team



Academy of Medical Royal Colleges



National patient safety syllabus 2.0

Training for every member of staff across the NHS

Making Safety Active:

- Preventing harm before it occurs
- Seeing risks and making them safe
- It's time to change what we do



Training in a virtual world



TRILOGY 202 FOR NON-INVASIVE VENTILATION

CPAP

Brighton and Sussex University Hospitals
NHS Trust

EMERGENCY PROMPT CARDS

CPAP - Setting up on trilogy 202 ventilator

CPAP is considered high-risk aerosol generating – use full PPE as per infection prevention guidelines.

1. Is the patient suitable for CPAP? – document decisions, including escalation plan.
2. Inform CCOT, ICU and Medical team.
3. Set up with tubing, bacterial filter and expiratory port, as shown.
4. Choose correct mask size, protect nasal bridge with dressing.
5. Check all settings and alarms – use laminated **set up sheet** (also on infonet).
6. **Confirm settings with competent clinician**
7. Document using CPAP monitoring chart.

Intersurgical tubing:

Respironics tubing: (REMOVE thin TUBING and cap off)

IMPLEMENTED MAR 2020

VERSION 5.0

REVIEW DUE MAR 2022

Document NOW!

Prompt Card 10b

Philips Respironics tubing:
(REMOVE EXTRA TUBING and cap off)

Bacterial/Viral Filters – change every 24 hours

Setting Up Video:

Programming Video:

Trilogy SET UP version 2.0 MARCH 2020

Training in a virtual world



"Woah! Slow down, Mrs Marney. Please keep in mind I have to translate all your laymen's terms into medical gobbledegook."



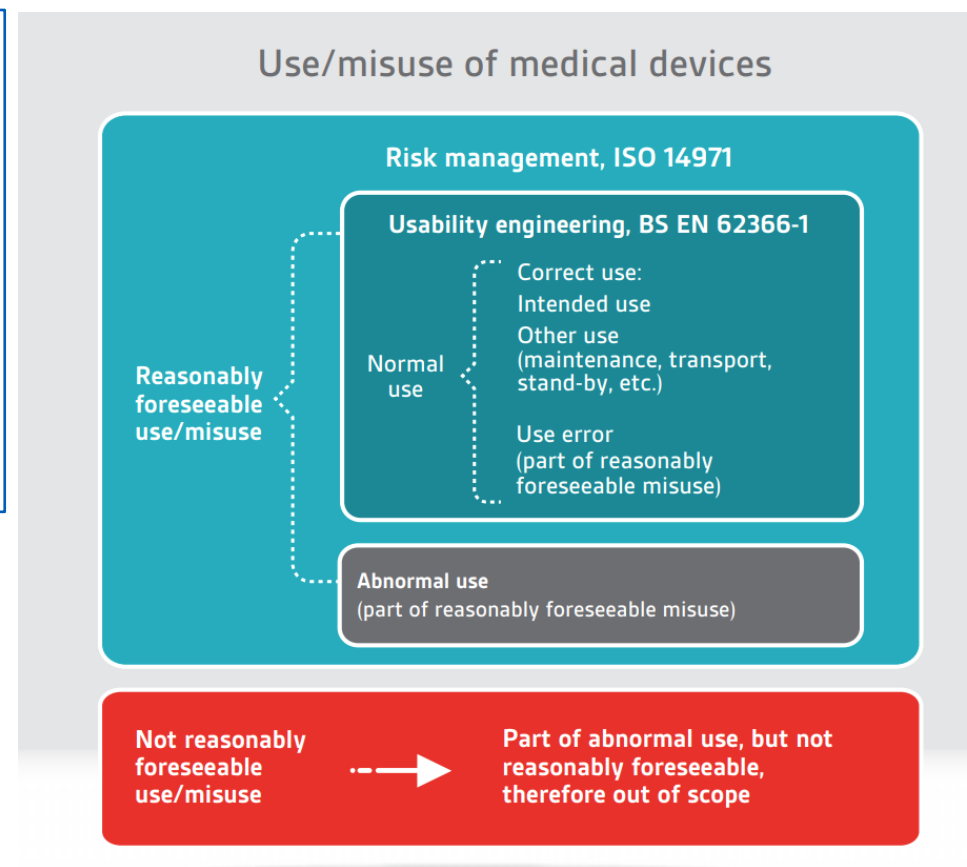
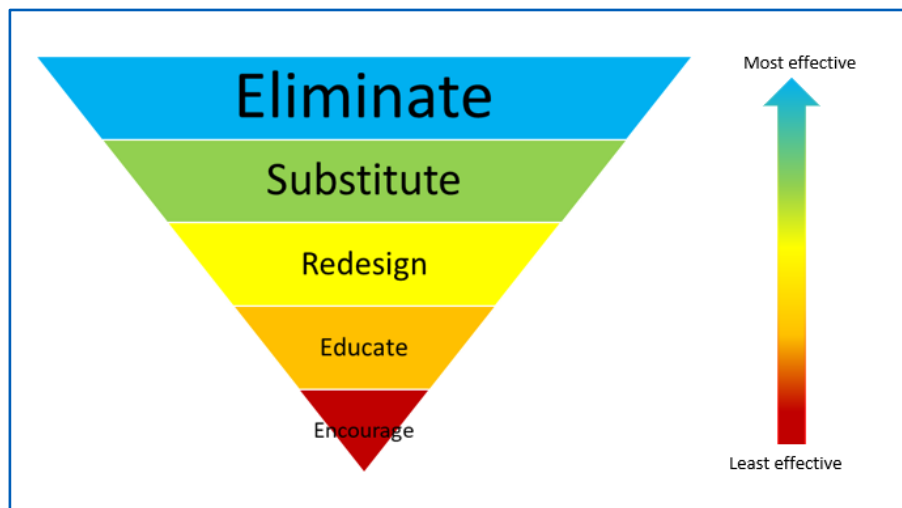
Oximeter presentation concern

protective film attached to the screen which has text stating 'SATS 97, Heart rate 72'. There is no reference in the Instructions for Use to this film, and no ask of users to remove prior to use

one service user who had a dangerously low reading, that was obscured by this film, they thought they were ok but ended up being hospitalised.

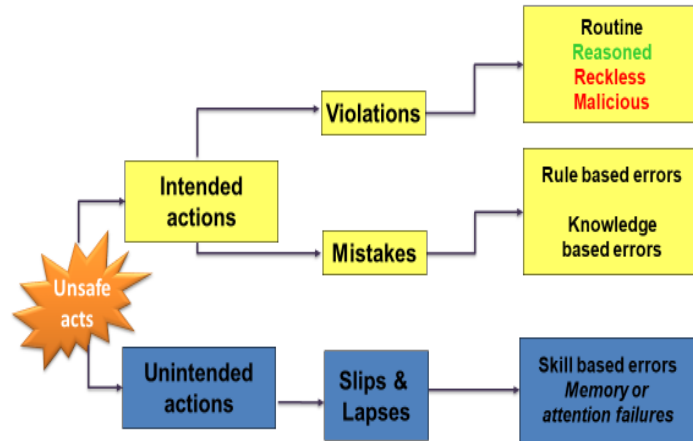


Device use



BSI Medical Device White Paper Series. Risk management of medical devices and the new ISO 14971. Jos van Vroonhoven, Philips, The Netherlands, convener of the ISO/IEC Joint Working Group on the application of risk management to medical devices.

Why do things go wrong?



(adapted from *Human Error*, James Reason, 1990)



Hard Truths of Human Performance

Human performance is situational

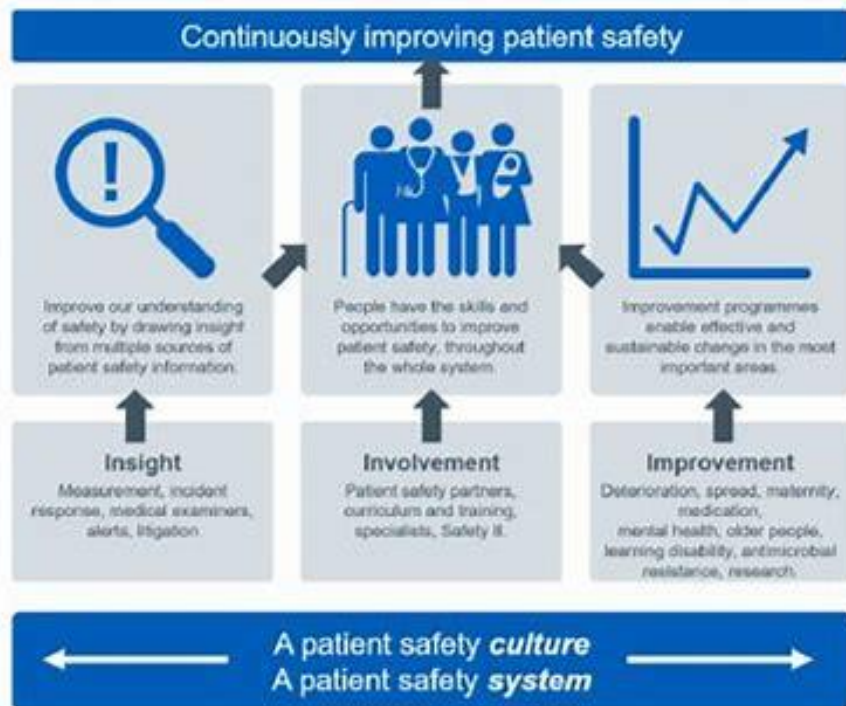
Design influences behaviour

People will find the easy way (even if it is more risky)

People cannot be assumed to be rational.

McLeod, Ronald W.. Designing for Human Reliability : Human Factors Engineering in the Oil, Gas, and Process Industries, Elsevier Science & Technology, 2015. ProQuest Ebook Central, <http://ebookcentral.proquest.com/lib/ed/detail.action?docID=2000913>.

What are we providing as support?



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