Patient Safety Conference

Tuesday 23rd April 2019



Conference Coordinators:

Chris Reynolds, Sarah Scanlon & Kerrie Madden

Chair:

Dr Aled Jones, Reader: Patient Safety and Healthcare Quality, University of Cardiff #PatientSafetyConf #ONECPD



Chair

Dr Aled Jones

Reader: Patient Safety and Healthcare Quality,
University of Cardiff

#PatientSafetyConf #ONECPD



Helen Hughes

Chief Executive,
Patient Safety Learning

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Dr Aled Jones

Reader: Patient Safety and Healthcare Quality,
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Neal Jones

Assistant Director of Patient Safety (Human Factors),

Royal Liverpool and Broadgreen University
Hospital NHS Trust

#PatientSafetyConf #ONECPD





Human Factors and Patient Safety

Patient Safety Conference 23rd April 2019

Neal Jones – Assistant Director of Patient Safety & Human Factors





Clinical Human Factors

Enhancing clinical performance through an understanding of the effects of teamwork, tasks, equipment, workspace, Culture and the organisation on human behaviour and abilities, and application of that knowledge in clinical settings

Ken Catchpole, CHFG



The Royal Liverpool and Broadgreen University Hospitals

RLBUHT Human Factors Strategy 2017-2020

Enhancing Safety, Efficiency and Effectiveness

February 1, 2017

Authored by: Neal Jones - Assistant Director of Patient Safety (Human Factors)

RLBUHT Human Factors Strategy 2017-2020

Enhancing Safety, Efficiency and Effectiveness

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Why Human Factors

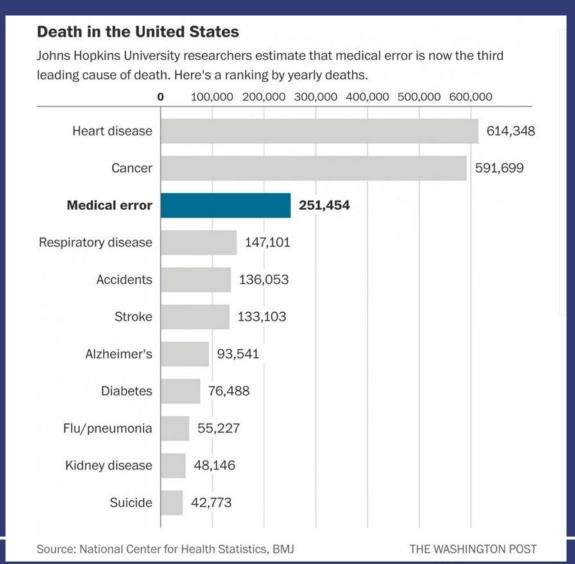
It is estimated that at least 80% of errors are attributable to human factors at individual level, organisational level, or more commonly both



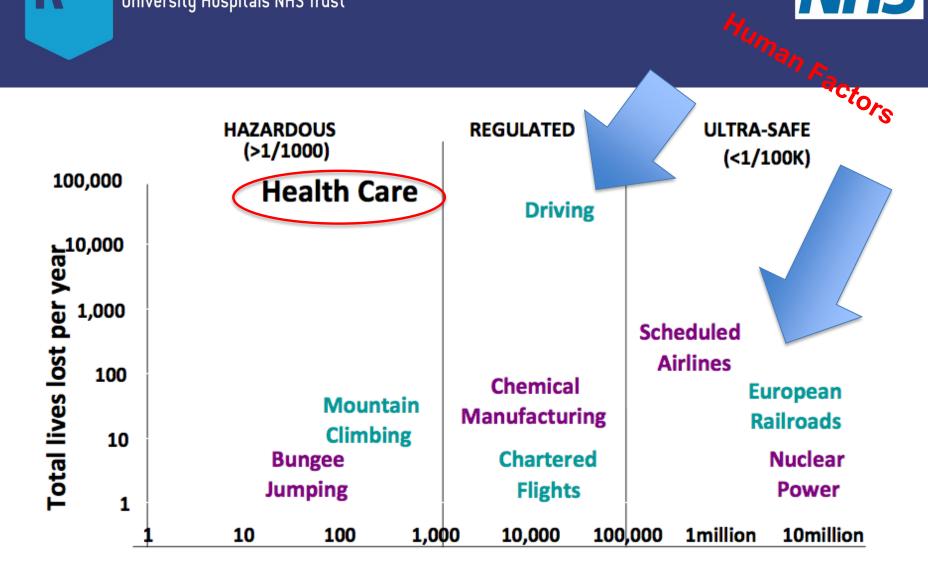
NPSA 2008







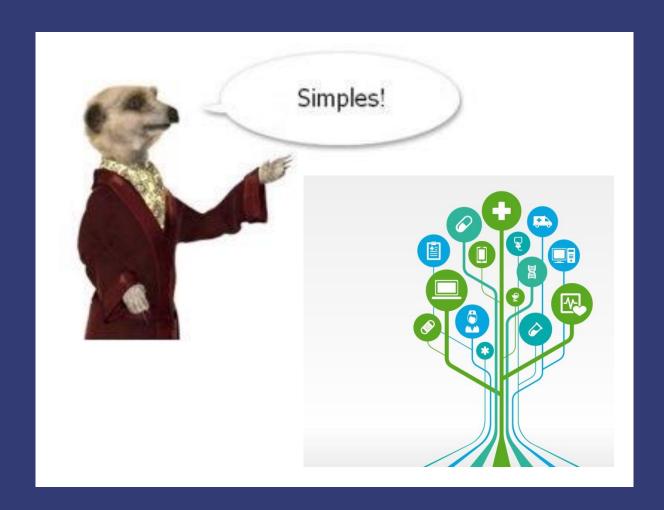




Number of encounters for each fatality









An Integrated Model for Human Factors

Just/open and learning Culture

Safe Patients

Environment, equipment and process designed to support workforce

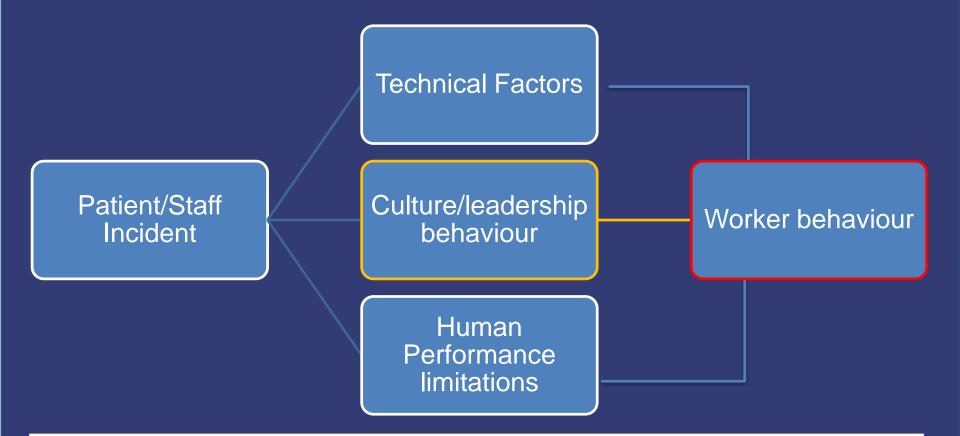
(Person centred design)

Safe Staff

Resilient workforce
Cognisant of self
and team
performance
limitations







Where we all make a difference









1. Defensive cultures and lack of trust

Human error is normal and predictable, and as a result it can be identified and managed.

The likelihood of human error is determined by the condition of a finite number of 'performance influencing factors'.

Investigations often stop at who did or didn't do something and actions are directed at individual staff = blame culture.

"Despite pockets of best practice... incident investigation ... falls far short of what patients, their families, clinicians and NHS staff are entitled to expect. A culture of defensiveness and blame, rather than a positive culture of accountability, pervades much of the NHS."

Public Administration Select Committee, Investigating clinical incidents in the NHS, Sixth Report of Session 2014–15 (p54)

http://www.hse.gov.uk/humanfactors/topics/humanfail.htm



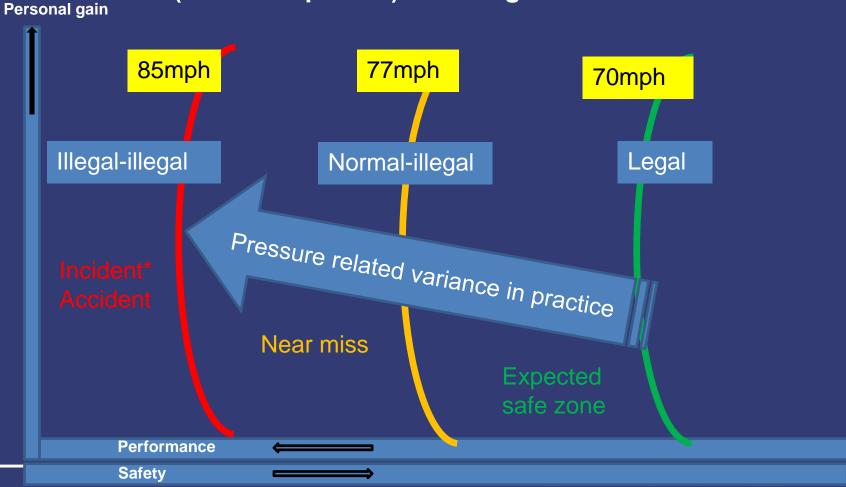
- Why don't staff just follow policy/process?
 - Do things the right way first time?
 - And then every time?

Main Theatre LocSSIP Form Specialties					
Operation Date	Activity	Anaesthetic Room Sign In Forms Created	Operating Room Care Plan Timeout Forms Created	Operating Room Care Plan Sign Out Forms Created	
01/04/19	44	100.0%	100.0%	100.0%	
02/04/19	58	100.0%	100.0%	100.0%	
03/04/19	52	98.1%	100.0%	100.0%	
04/04/19	45	100.0%	100.0%	100.0%	
05/04/19	52	100.0%	100.0%	100.0%	





Amalberti – Model of migration and transgression (Risk acceptance) – Driving version

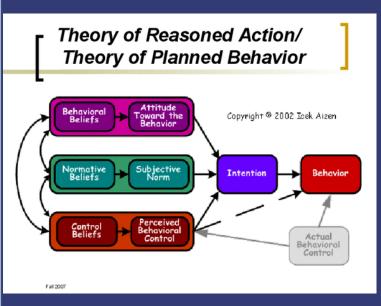


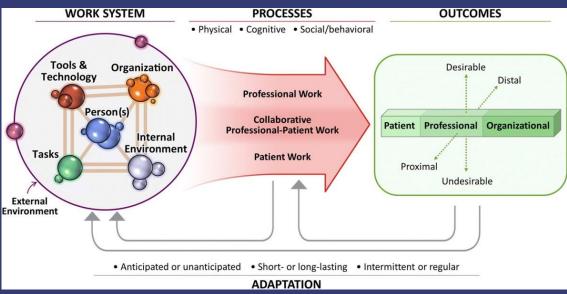
Where we all make a difference





Examples of a Human Factors approach to designing in reliability







25% of Vanmoof's bikes were damaged in transit and returned to the manufacturer as faulty

How would you tackle this problem?



Where we all make a difference





Televisions had the lowest damage rates of any goods in transit

Vanmoof simply created the illusion of a TV inside their box and the damage rates reduced by 80%







- A member of staff inputs the incorrect rate of administration into an IV pump and the medication is administered significantly faster than would be considered safe.
- Px = 125mls/hr Error = 785mls/hr
- ?? Careless
- ?? Reckless
- ?? Training issue
- ?? Competence issue









Where we all make a difference





 A member of staff accidently administers protamine(blood clotting agent) instead of heparin (blood thinning agent) leading to serious patient harm

- Careless?
- Reckless?
- Checking process deviated from Policy?
- Distracted?

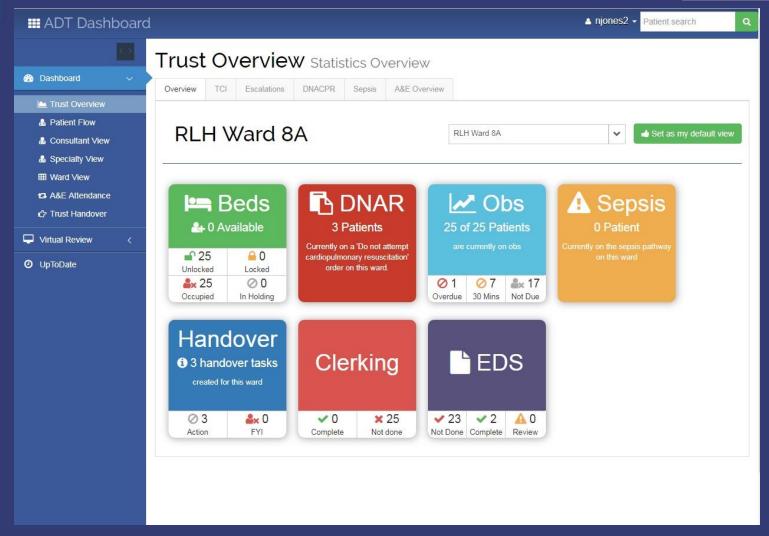






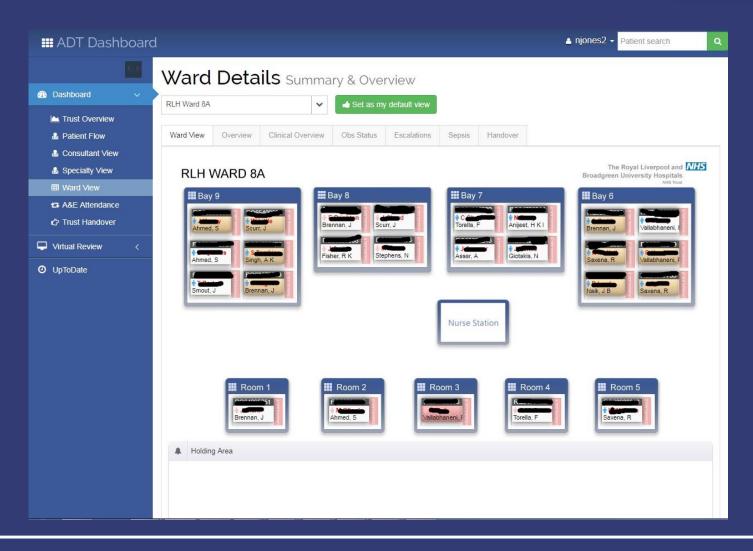






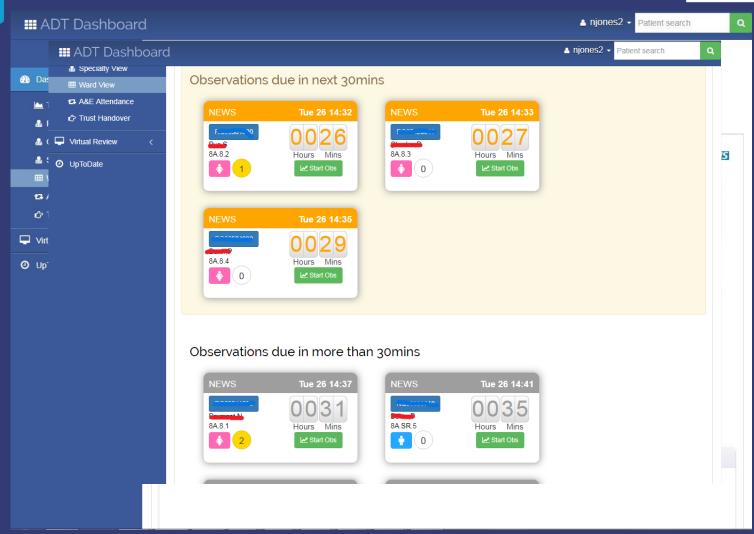
















Effectors of Human Performance

- Fatigue
- Stress
- Errors of perception

- Error is inevitable in an industry as complex as healthcare
- Managing/Supporting human performance will help determine the frequency within which errors occur (Creating the conditions for success)



Key messages

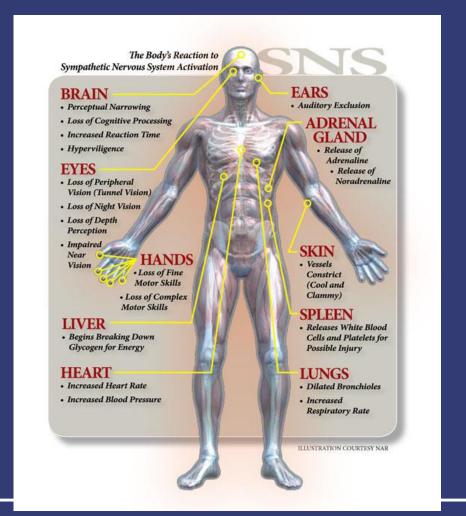
- Doctors (and other clinical staff) are regularly exposed to patterns of work, or specific factors, that can lead to poor quality sleep, and which increase the risk of fatigue.
- They are routinely and increasingly working long hours, with the longer the hours worked, the greater the risk of fatigue. There is some consensus from studies looking at different types of shift worker that longer shifts (12 hours or more) are associated with 25-30% higher risk of accidents or injuries than an 8-hour shift.

BMA Jan 2018 Fatigue and sleep deprivation – the impact of different working patterns on doctors





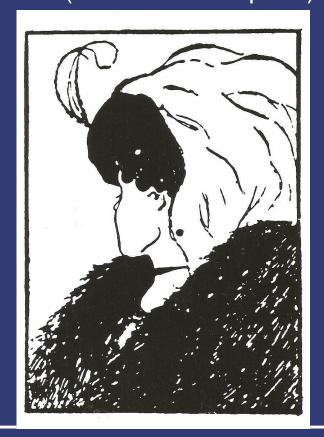
Stress

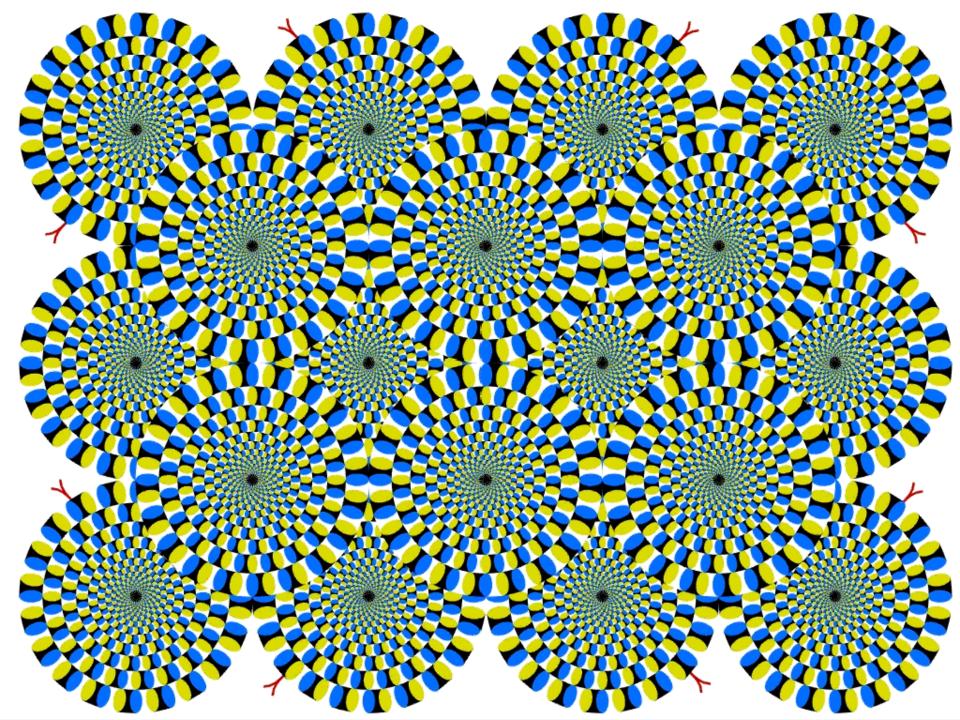






Situational awareness (errors of Perception)









Are you good with number's ?? 123456789





Can you find the the mistake?

1 2 3 4 5 6 7 8 9 10

Put your hand up if you found it





Human Factors based education

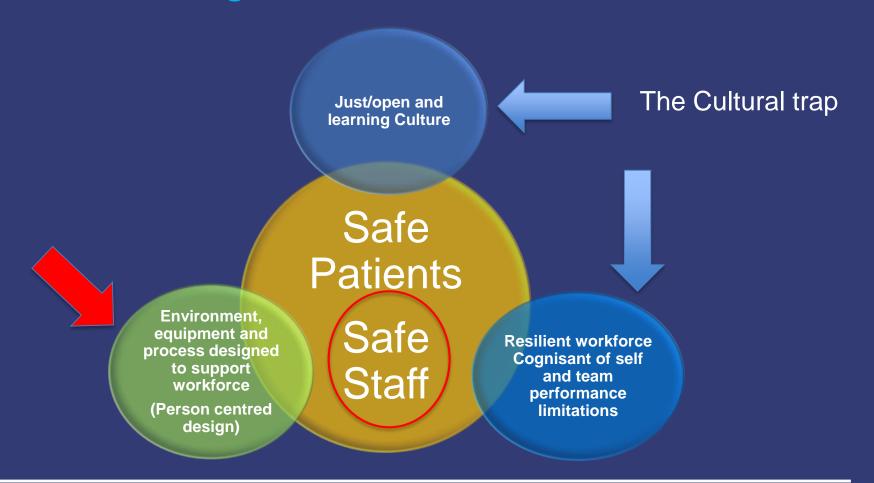
Does it make a difference ?



Resilient workforce
Cognisant of self
and team
performance
limitations



An Integrated Model for Human Factors







Thank you for Listening

• Questions?





Kathryn Whitehill

Principal National Investigator,
Healthcare Safety Investigation Branch

#PatientSafetyConf #ONECPD Click here for slides



Please proceed to your seminar choice

Seminar A

The Relationship between Quality Improvement and Patient Safety

Gloucestershire Safety and Quality Improvement Academy

Room

Seminar B

Learning from Deaths

Clare Wade, Programme Manager National Morality Case Record Review and Patient Safety, Royal College of Physicians

Room

Seminar C

Neonatal and Maternal Patient Safety

Mandy Townsend, Associate Director, Patient Safety, Innovation Agency – North West Coast

Room



Lunch and Networking Break

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Please proceed to your seminar choice

Seminar D

Patient Safety Collaborative: The Value of Partnership

Ursula Clarke, Patient Safety Lead / Senior Programme Manager, Kent Surrey Sussex Patient Safety Collaborative

Room

Seminar E

Patient Safety in Primary Care

Dr Alison Cooper, GP and Clinical Research Fellow, University of Cardiff

Room

Seminar F

Medicines Safety

Jay Hamilton, Associate Director of Health and Implementation, Health Innovation Manchester

Room



Christine Burkett

Head of Area (North West),
Skills for Care

#PatientSafetyConf #ONECPD

Safety in Social Care



Christine Burkett Head of Area (NW)

















Skills for Care - Who we are and what we do

Our Focus is Workforce Development

- Recruitment and Retention
- Learning and Development
- Leadership and Management
- We provide practical resources to support adult social care employers develop their workforce









What is Adult Social Care?

Adult Social Care works with those who need care and support with daily living, ensuring they have the best quality of life possible.

It is underpinned by two key values: that everyone has the right to

- Have choice and control over their own lives
- Be treated with dignity and respect at all times

It is not just about health – an important difference









Who are we working with?

Adult Social Care works primarily with people who have

- Physical disability
- Learning disability
- Mental health issues
- Frailty or infirmity relating to age
- Drug and/or alcohol dependency

Who are likely to have increased health needs – an important similarity









Where does social care happen?

- In people's own home or the homes of others
- Care Homes
- Care Homes with Nursing

Homes not hospitals – another important difference

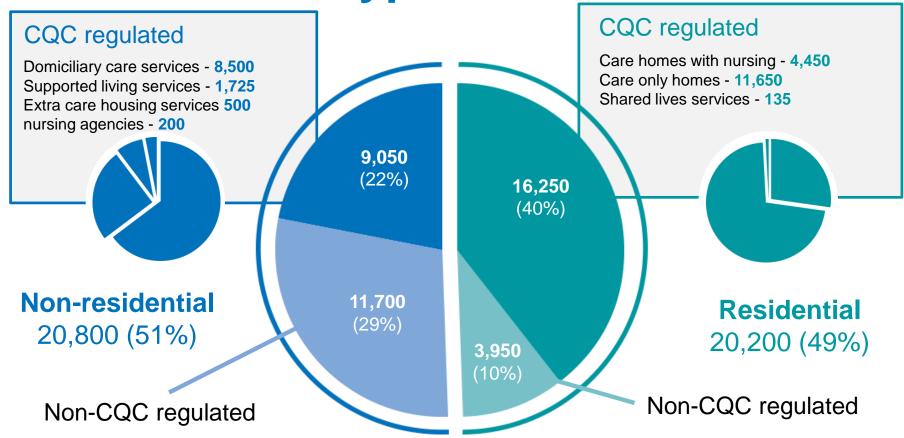








Establishment type



Source – The size and structure of the adult social care sector and workforce in England 2018









What are the key safety concerns in social care?

- Safeguarding
- Risk
- Safe staffing
- Medication
- Infection control
- Learning from practice









KLOE - Safe

Total number of inspections	22,646
Outstanding	63 (0%)
Good	18,301 (81%)
Requires improvement	3,975 (18%)
Inadequate	307 (1%)











Where are we now?

Safeguarding

In 2017/18

- The number of concerns of abuse raised was up by 8.2%
- The number of safeguarding enquiries was down 0.7%
- Section 42 enquires fell by 1.1%
- Older People were more likely to be the subject of Section 42 enquiries
- Most common location of risk was in the person's own home









Employers



21,200 organisations



establishments



Source – The size and structure of the adult social care sector and workforce in England 2018









What are we doing to improve?

Nationally: Quality Matters

Commissioners: Quality improvement initiatives and quality teams

Providers: Outstanding Society

Skills for Care: Good and Outstanding Range

Registered Managers Networks









Collaboration

- Why is collaboration important?
- Who needs to collaborate?
- Building Trust
- Examples of good collaboration





Dr Susan Hrisos

Senior Research Associate,
Institute of Health and Society,
Newcastle University

#PatientSafetyConf #ONECPD



Engaging Patients to Help Improve Quality and Safety

Dr Susan Hrisos

Senior Research Associate

Professor Richard Thomson
Professor of Epidemiology & Public Health
Dr Anu Vaittinen
Research Associate











Learning from patient experience to improve safety & increase consistency











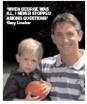
Research shows that patients:

- Can be vigilant partners in their healthcare
- Who are informed & involved in their care can experience more satisfying & safer healthcare
- Are willing and able to help improve patient safety by taking on a more active role
- Need their involvement endorsed and encouraged by the staff providing their care



Its not what you do, it's the way that you do it

- Find out all you can about your condition or treatment. Ask questions and look for other sources of information, such as
- Ask the doctor or nume to explain all the treatment options that are open to you, including any potential risks.
- If you're not quite sure what a doctor or nurse is saying, ask them to repeat it. Staff are always happy to explain medical terms in everyday language.
- If you're allergic to anything - or have reacted to a medicine or anaesthetic in the past make sure your doctors, nurses and pharmacist know about it.



Always read the instructions. Medication comes with a leaflet that explains how to take it and possible side-effects to watch out for. If it's not clear, ask your pharmacist, doctor or nurse.

'SPEAK UP FOR YOURSELF IF YOU'RE IN HOSPITAL' Card Smiles

If you or your child are going to have an operation, check all the details on the consent form are correct before you sign it.

When a family member or trouble speaking for themselves you can ask questions for them.

The National Patient Safety Agency (NPSA) helps the NHS learn from its mistakes so that it can Improve patient safety, it does this by collecting reports on errors and other things that go wrong in healthcare so that it can recognise national trends and introduce practical ways of preventing problems.

The NPSA doesn't investigate individual cases or complaints, but it does listen to public concerns and

use what you say to im could help to prevent ti to other people. Visit www.npsa.nhs.u you can help the NPSA

place for patients. You organisations that can

Speak^{UP™}

To prevent health care errors. patients are urged to...

SpeakUP

Help Prevent Errors in Your Care

Welcome to your Clean Hands Partner hospital. This hospital has been chosen as a partner because all our staff take infections seriously and are committed to keeping you, our patients, as safe and healthy as possible. This leaflet tells you more about infections and the cleanyourhands campaign for hand hygiene, and invites you to be our partner while



What causes infections? Infections are never caused by dirt - they can be caused by viruses, but mostly by 'bugs' or germs called bacteria that occur naturally all around us. They are sometimes on our skin, and even in our mouths and noses. Most of them don't do us any harm.

But when we are not well or after an operation, our bodies' natural defences are weaker, so more care is needed to protect us. Getting an infection in hospital might mean staying longer while it is treated. Some bacteria – like MRSA – are difficult to fight with antibiotics because they've developed resistance.

We want to prevent our patients getting these infections in the first place.







Patient Handbook

A patient's guide to a safer hospital stay





Its not what you do, it's the way that you do it

Ways in which it could all go wrong

Hrisos & Thomson 2013. 'Seeing it from both sides' Plos One

Healthcare staff

Patients & families

Feel challenged **Feel scrutinised Suspicion of motives** Feel demoralised

Damage.

Fear being labelled Of relationship the relationship "check up"/ "challenge" **Care compromised**

Approach needs to be

Collaborative



Its not what you do, it's the way that you do it

'Speaking up' remains a key safety behaviour for patients & families (Bell & Martinez 2019. BMJ Quality & Safety)

Evidence that patients & families do not want to 'challenge' or confront health care staff (Bell et al 2018. BMJ Quality & Safety)

Staff are more supportive of approaches that encourage coproduction of safety rather than confrontation (Sutton et al 2019, HEX)

How can patient & family involvement be enabled and supported?





Upskilling public & patients to fully and actively engage in safety improvement











ThinkSAFE TM





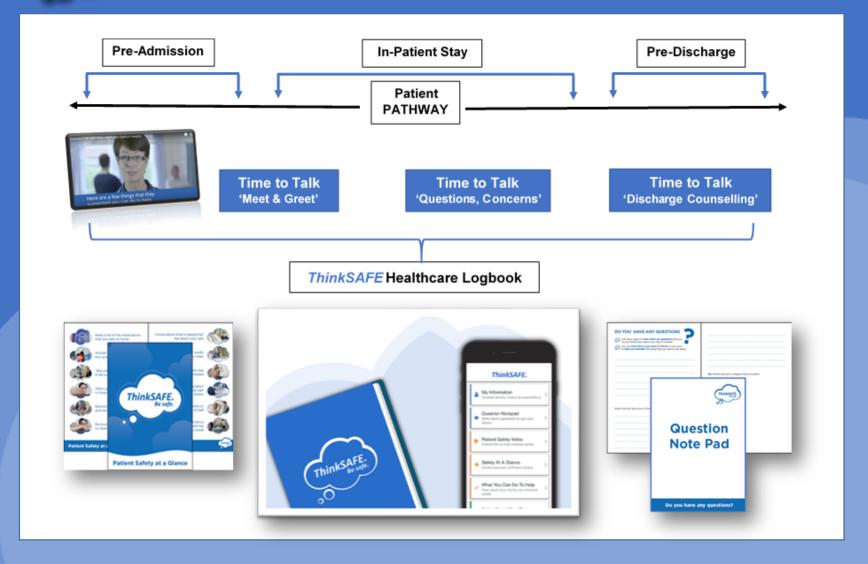
http://www.thinksafe.care

- Collaborative improvement of patient safety in hospital
- Grounded in service user & healthcare staff experience
- Underpinned by evidence, best practice & theory
- Supports service user/ professional interactions

MRC Framework Stage Study Phase	NIHR Research Programme: Patient Involvement in Improving Patient Safety (RP-PG-0108-1004)
Development	Evidence collation (Feb 2010 – Jan 2011)
Phase 1	 Qualitative study Scoping of ongoing work Systematic review of literature Identify relevant theory
Development /	Intervention development (Feb – Sept 2011)
Feasibility Phase 2	 Develop conceptual basis for intervention Interactive workshops
Feasibility /	Exploratory trial (Oct 2011 – Dec 2012)
Evaluation Phase 3	 Develop prototype materials Pilot interventions in acute settings
Evaluation	Protocol development (Jan 2012 – Jan 2014)
Phase 4	• Further funding for next steps



Knowledge, Capability, Opportunity





Patient Safety Guidance

- Video (8mins run time)
 - Demonstrates actions
 - Behavioural barriers
 http://www.thinksafe.care
- Laminated Card



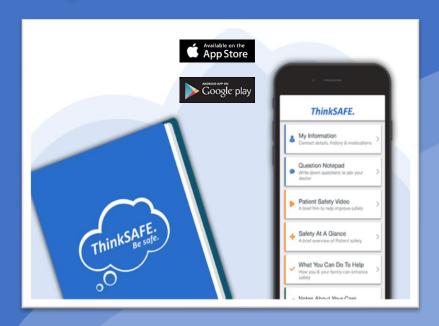


Detailed Tip Sheet





Healthcare Logbook

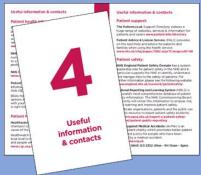


- A5 Folder or mobile App http://www.thinksafe.care
 - Integral tools & information
 - Patient Safety guidance
 - Question prompts & Tips







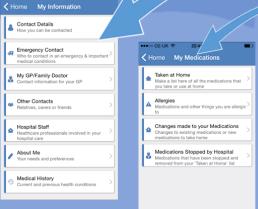


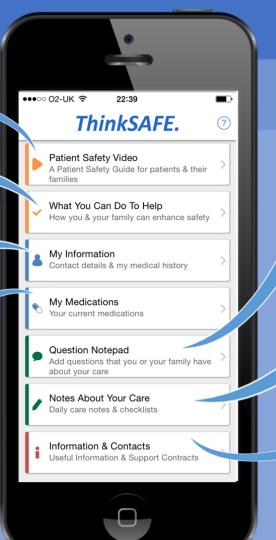


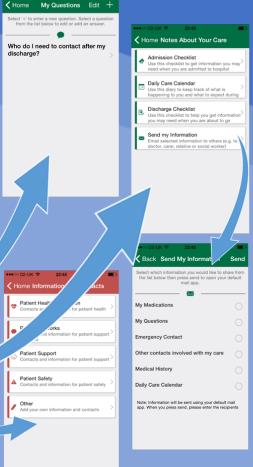
Mobile App (iOS & Android)











Healthcare professional component

Brief evidence & theory-based educational session

ThinkSAFE.

Patient Safety is important

- More than a million people are treated successfully each day in the NHS
- Despite best efforts, hospitals are very busy & co and things still sometimes go wrong
- Approximately 10% patients are unintentionally care they receive ¹
- Around 6% of such events are avoidable It is estimated that 5.2% of all deaths in he preventable (equivalent to 11,859 adult po
- Adverse events can carry significant consequence patients, families & staff (personal & emotional)
- substantial costs to NHS
- There is a need to continually look for ways to it

What are the benefits of involving patients & families?

They might know things you don't ...

- Patients are present during every contact with hea important contextualised information with them
- They know themselves better than anyone else i They are often quite expert in self-management, es
- They can be an extra barrier to harm
- Their knowledge about themselves and their care is staff - an important source of expertise that you ca If patients & healthcare staff work together toward ossible problems can be "nipped in the bud"
- Research shows that involved & informed patie more satisfying and safer healthcare
- Informed patients make better decisions & choice: Involved patients are more likely to follow treatme



ThinkSAFE" approach

Developed in collaboration with ward staff

Three components:

- 1) Patient video: "A guide to patient safety for po
- Healthcare Logbook, that contains tool information at key time points during t
- "Patient safety at a glance" card: a quick visual help staff to keep them safe
- Medications list: to help staff know what medications - Admission & discharge checklists: to help patie
- Daily care calendar: to help patients be better during their stay in hospita
- "Question note pad": to help patients & relative
- "Talk" time: brief, one to one to sessions for po staff, dedicated to addressing patients' queries an Patients can invite relatives to be part of these ses

Your role is crucial to patient involvement

- Patients are willing to help, but ...
 - Don't want "to bother busy staff" with questions or concerns
 - Worry that staff will be upset, feel insulted or challenged
 - Fear being labelled "difficult" or "d
 - Fear their care may be compr

*Healthcare staff, when a themselves, report feeling

- · So the way staff interact with
 - People are "not quite themse extremely vulnerable & more Patients who witness or expe asking a question or raising a
 - (e.g. "dismissive", "grum

How you can foster patient involvement

Evidence suggests that patients are more likely to take a role in improving patient safety if healthcare staff tell them what they can or should do to help, i.e. if staff "permit" their

During the ThinkSAFE pilot study we would like you to actively encourage patient & family involvement by:

- Saying to patients ...
 - "It is OK to ask me ..." "I want you to ask me ..." questions about your care; what I am doing to you & why; if I have washed my hands"
 - "It is OK to tell me..." "I want you to tell me ... when something doesn't seem quite right; if you think there has been a mistake
- Engaging patients in their care by ...
 - Talking them through what you are doing and why
 - Exploring what they understand about their illness, treatment and care
 - Providing "opportunistic education" when understanding appears lacking
 - Involving them in decisions made about their treatment and care
- Using the Logbook contents & "Talk Time" sessions to sit down with patients to discuss their care and share important information
 - E.g. at admission (using the checklist & medication list), during the patient stay (using the Q note pad, helping patients update the information sections of their logbooks) and prior to discharge (using the checklist & medication list)

By saying to patients ...

- "It is OK to ask me ...", "I want you to ask me ..."
- "It is OK to tell me ...", "I want you to tell me ..."



Staff Support

- Training session
 - Evidence & theory-based
 - Workbook: planning & rehearsal







- Reassurance
- E-learning package
 - Self-guided
 - Reflective practice







Time to Talk



Opportunity

Confidence





Collaborative Culture

Knowledge

Patient Safety Guidance

- Video (8mins run time)
 - · Demonstrates actions
 - Behavioural barriers http://www.thinksafe.care

Laminated Card



· Detailed Tip Sheet



Opportunity





Time to Talk



Opportunity



· Collaborative Culture

Capability

Staff Support

- Training session
 - · Evidence & theory-based
 - · Workbook: planning & rehearsal
- Video
 - Discussion of staff concerns
 - Reassurance
- E-learning package
 - · Self-quided
 - · Reflective practice





Pilot Evaluation

ThinkSAFE is feasible & adaptable: context, preference

Potential to influence process:

- patients felt 'empowered' & were actively engaging with staff about their care
- staff were motivated to 'foster' patient engagement & reported encouraging patient questions

Potential to improve safety:

- Improved medications reconciliation at admission
 - fewer prescriptions required pharmacist intervention compared to controls (a reduction in error rate from 62% to 52%, p=0.033)
 - prescriptions more likely to contain only one error per patient (73% vs 58%, p=0.024)



Whose leg is it anyway?



The sketches are also available as individual video clips. Click on the the sketch title below to access the related video.

The Grim Reaper

Patient Safety

Drains

Enjoy The Ride

Keeping Patient Informed

Whose Leg ... ?

Can't Be Too Careful

Doctor Knows Best

How To Complain









OPERATING THEATRE

www.operatingtheatre.org.uk







Developing services around patients & understanding their safety needs









ThinkSAFE. ThinkSAFETM Primary Care

- Most PIPS research has focussed on secondary care setting
- Patient safety lapses in the primary care setting are common:
 - with approx.4/10 patents reporting a concern
 - Approx. half of the global burden originates in primary care (Auraaen et al 2018. OECD Health Working Papers 106).
- 12month qualitative interview study
 - Staff & patients from 5 GP practices
- Knowledge and understandings of patient safety in this setting
- > The patient & family role in reducing risk of harm to patients
- ➤ How primary care staff felt about involving patients in improving patient safety in this setting



Understandings of safety in the primary care setting

- Staff began from a perspective of care being <u>unsafe</u>
- Patients generally perceived their care as <u>safe</u>
 - but were aware of & vigilant about risk
- Similar understandings about what is a risk & what might cause harm
 - Medication safety was most predominant issue
 - Diagnostic error
 - Delayed diagnosis
 - Missed/lost test results
 - Wrong patient
- Both accept the role of human error and that 'mistakes happen'
- Patient involvement in their care is important to ensuring safety



Core patient/family/carer role: 'proactive communication'

- Asking questions & querying their care
 - During their appointment if anything is unclear regarding treatment, investigations or medications – 'being interested'
- Giving information
 - Honesty in communications with staff (e.g. inform staff of lifestyle, compliance with medication), use of OTC medicines, allergies
- Telling staff about any concerns they may have
 - Speaking up / sharing concerns with staff (e.g. errors in care; reactions to meds)
- Staff & patients working in partnership to improve safety
 - Patients sharing their insight, knowledge & experience of their condition with staff



Shared thoughts on what might help address barriers

Practice

Inviting, receptive & informative environment

Has a culture where patients feel comfortable to ask questions & raise concerns

Creating the conditions for collaborative improvement of patient safety.

Provides staff training & awareness

Informs patients what they can do to help keep care safe

Enables continuity of care for ongoing/long term conditions

Staff

Inviting, receptive & informative

Foster patient confidence to ask questions, querying care, raise concerns – give 'permission' to ask & tell

Present 'openness' and receptiveness to patients and family members

Demonstrable people skills: presents empathy towards patients, listening skills

Reflect on own role & behaviours that may act as barriers

Patient

Informed, engaged, involved

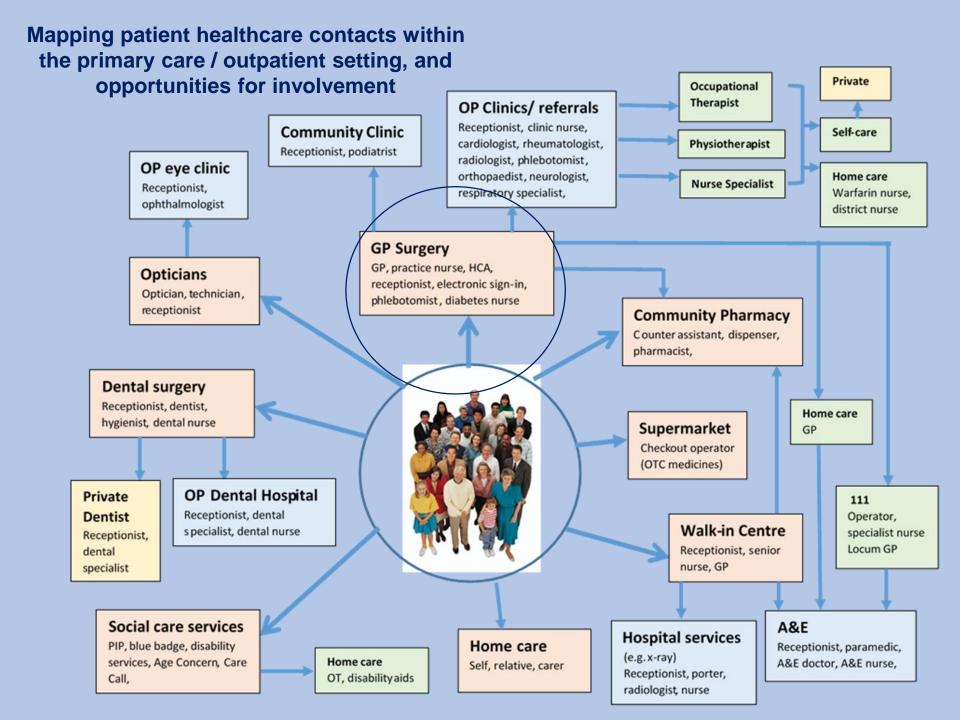
Be (more) involved in and informed about their care

Be open about how they take (or not) their medicines/ follow care plans

Provide correct and clear information

Tell a member of staff if something isn't right or they suspect a mistake

Ask questions when they don't understand or want to know more



Primary Care ThinkSAFE®

- Underpinning ethos same in terms of need to support both staff <u>and</u> patients in changing behaviour & culture
- Guiding principle for intervention design is to promote:
 - Capability
 - Opportunity
 - Knowledge
- Key staff & organisational roles highlighted
- Focus on mechanisms & resources for communicating & sharing safety information:
 - Effectively and efficiently
 - Both within care settings <u>and</u> across care boundaries
 - That support, rather than contribute burden to, workload & time



Thank You!

Questions?





Implementation Package





http://www.thinksafe.care

- Dedicated website
 - Patient access to all ThinkSAFE resources
- Implementation Support
 - Implementation Manual
 - Step by step guide
 - Implementation case studies
 - Monitoring & evaluation tools
 - On-line peer chat forum
 - Train the trainer manual & information sources

