An Stiúrthóireacht um Ardchaighdeáin agus Sábháilteacht Othar
Oifig an Phríomhoifigigh Cliniciúil

National Quality and Patient Safety Directorate
Office of the Chief Clinical Officer

21st February, 2023

"Building a health Learning System"

How we are running today's session

- You will be muted but the chat is open throughout - please post any questions or comments there and we will address them after the presentation.

- If your tech fails, don't worry – we're recording it so you can watch back on the NQPSD YouTube channel and access the slides at your convenience.

- Audio is available via your PC or dial in:

  Telephone no: Irish: 01-5260058 / UK: +44-20-7660-8149

  Event number: **2734 547 4468#**

- Please feel free to continue the discussion on Twitter:

  @QPSTALKTIME | @TomJohnFoley

  @mapflynn | @johnfitzsimons9 | @juanitaguidera | @NationalQPS | #QIreland | #patientsafety

- Please help us to improve our QPS TalkTime Webinars by completing a short feedback form (pop up window before you log out)

- You will receive an email from QPS TalkTime confirming your attendance

- **To get started … we invite you to**

Share using the chat box

- Your name, work and where you are joining us from …

- Finish this statement:

“Data saves lives….?”

Speakers today

Tom Foley

Consultant Child & Adolescent Psychiatrist

In conversation with

Dr John Fitzsimons, Clinical Director, HSE National Quality and Patient Safety Directorate and Consultant Paediatrician, Children's Health Ireland at Temple Street.

Juanita Guidera, Quality Improvement Facilitator with the National Quality and Patient Safety Directorate.

THE LEARNING HEALTHCARE PROJECT

REALISING THE POTENTIAL OF LEARNING HEALTH SYSTEMS

QPS TalkTime

Dr Tom Foley | Inishowen CAMHS / Newcastle University

Newcastle University

The Health Foundation

Overview

- Definitions
- Exemplars
- A framework

Discussion

A HEALTH SYSTEM THAT LEARNS FROM EVERY PATIENT WHO IS TREATED

"in which **science, informatics, incentives, and culture are aligned for continuous improvement** and innovation, with best practices seamlessly embedded in the delivery process and new knowledge captured as an integral by-product of the delivery experience."

US Institute of Medicine [National Academy of Medicine]

Exemplars

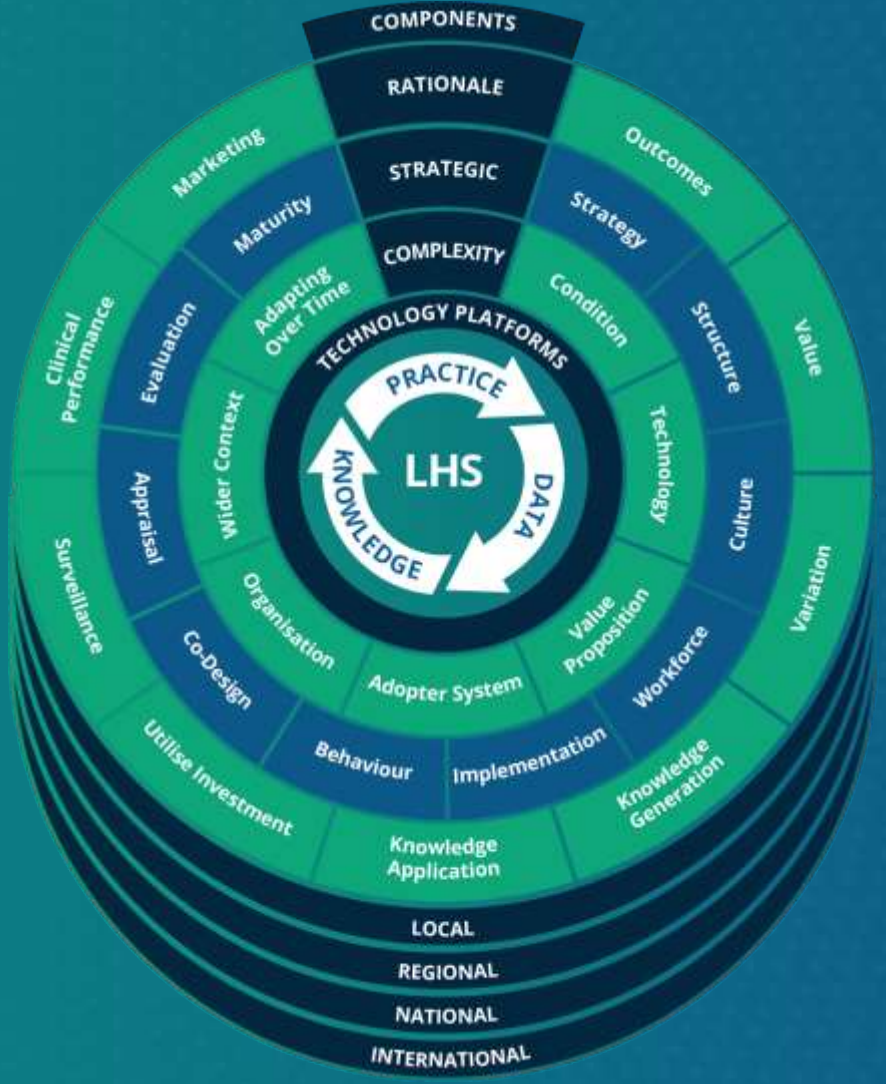
- NHS Digital
- Geisinger
- Connected Health Cities (x20)
- Local Health & Care Record Exemplars (x7)
- HDRUK Better Care (x8)
- Cystic Fibrosis LHS
- Asthma LHS
- Child Health Partnership LHS
- Radiotherapy LHS
- Opioid Prescribing LHS
- Antibiotic Resistance LHS
- COPD LHS
- Stroke LHS
- Palliative Care LHS
- LHS for Vulnerable Families
- Alcohol Related Illness LHS
- Transform

A FRAMEWORK FOR THINKING ABOUT LEARNING HEALTH SYSTEMS

START BY CELEBRATING HOW MUCH OF THIS YOU ARE ALREADY DOING

FOUR QUESTIONS

1. Why?
2. What technical building blocks?
3. What complexity?
4. What strategic approaches to change?



WHY DO YOU WANT A LEARNING HEALTH SYSTEM?

WHAT TECHNICAL BUILDING BLOCKS?

LEARNING COMMUNITIES

- Co-design terms of reference
- A safe space to reflect
- A positive error culture
- Build trust and skills
- Engender confidence and agency for change
- Provide challenge and reassurance
- Action focused and sustainable

Wilson, Lowe The Learning Communities Handbook
https://learning-communities.org.uk/wp-content/uploads/2018/11/The-Learning-Communities-Handbook.pdf

PRACTICE TO DATA

- Data Capture
- Data Standards
- Data Quality
- Storage & Access
- IG
- Interoperability

DATA TO KNOWLEDGE

- Randomisation
- Quasi-experimental
- ML & AI
- Knowledge from Local Experience
- Engineering Approaches
- Qualitative Methods
- Learning Communities

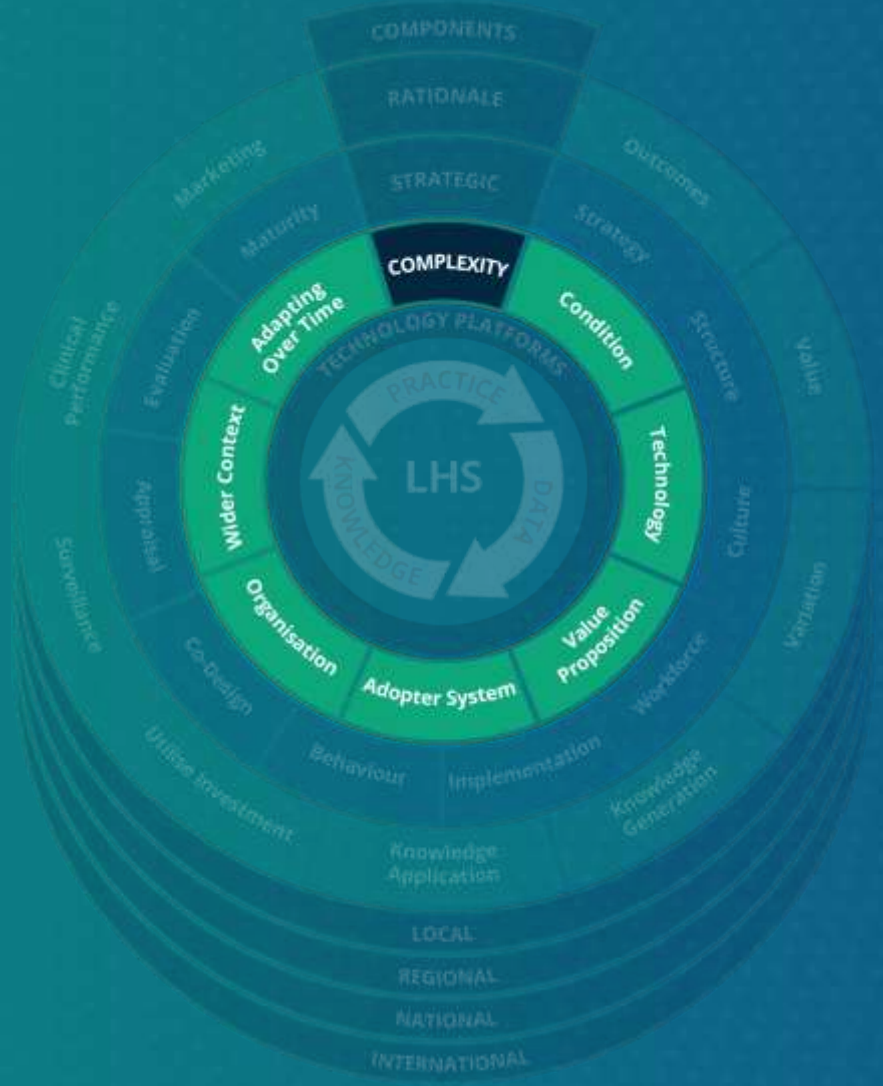
KNOWLEDGE TO PRACTICE

- Representing Knowledge
- Challenges for Knowledge Providers
- Mobilizing Computable Biomedical Knowledge

PLATFORMS

COMPONENTS
RATIONALE
STRATEGIC
COMPLEXITY
Outcomes
Strategy
Condition
Structure
Value
Technology
Culture
Variation
Value Proposition
Workforce
Knowledge Generation
Implementation
Adopter System
Behaviour
Knowledge Application
Utilise Investment
Co-Design
Organisation
Wider Context
Adapting Over Time
Evaluation
Clinical Performance
Marketing
Maturity
Surveillance
Appraisal
TECHNOLOGY PLATFORMS
PRACTICE
DATA
KNOWLEDGE
LHS
LOCAL
REGIONAL
NATIONAL
INTERNATIONAL

WHAT COMPLEXITY?



Greenhalgh et al. (2017) Beyond Adoption: A New Framework for Theorizing and Evaluating Nonadoption, Abandonment, and Challenges to the Scale-Up, Spread, and Sustainability of Health and Care Technologies
https://www.jmir.org/2017/11/e367/

NASSS-CAT Tools:
https://www.phc.ox.ac.uk/research/resources/copy_of_nasss-cat-tools

WHAT STRATEGIC APPROACHES TO CHANGE?

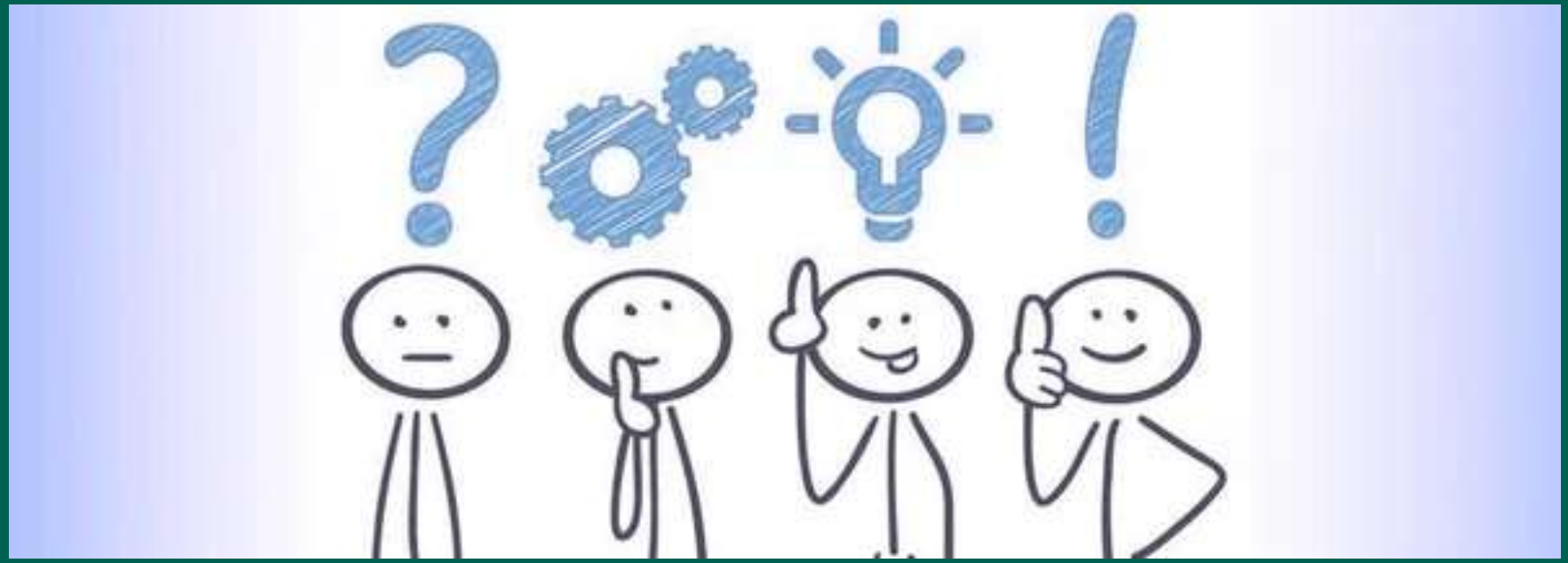
FURTHER INFORMATION

Website: www.learninghealthcareproject.org

Twitter: @TomJohnFoley

Email: thomas.foley@newcastle.ac.uk

Toolkit: https://lhstoolkit.learninghealthcareproject.co.uk/



HEARING YOUR THOUGHTS AND COMMENTS

Quality & Patient Safety Prospectus 2023

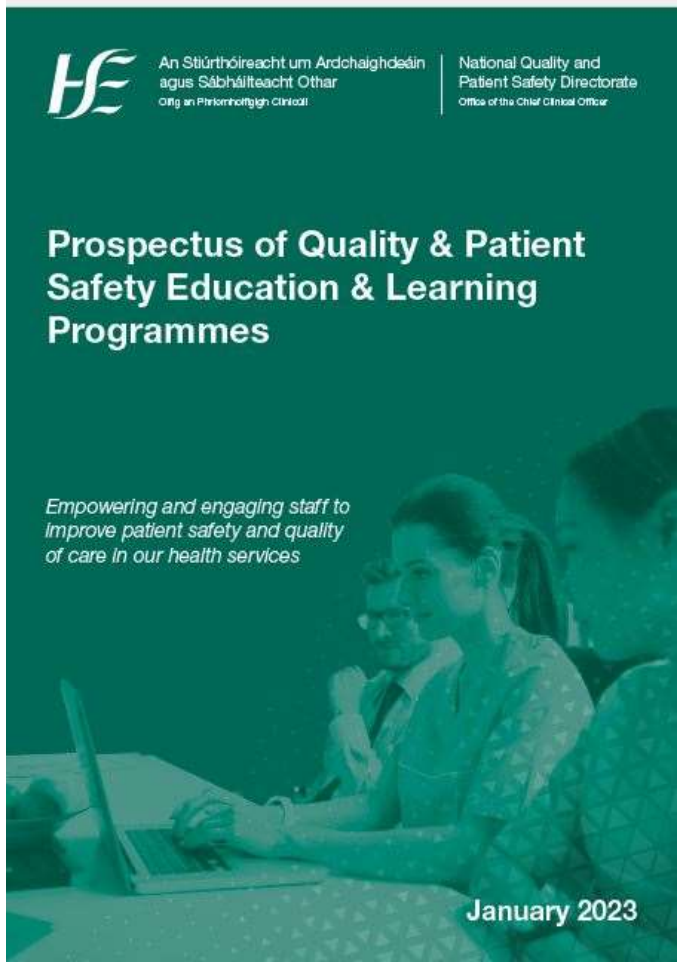


Table of Contents

- Quality Improvement
- Incident Management
- Open Disclosure
- Clinical Audit
- Human Factors
- Schwartz Rounds
- Liberating Structures
- Data for Decision Making
- Complaints, Governance & Learning
- Governance & Risk
- Safeguarding
- Antimicrobial Resistance & Control (AMRIC)
- Change & Innovation
- Library Services
- Connecting with QPS

https://www.hse.ie/eng/about/who/nqpsd/qps-education/prospectus-of-education-and-learning-programmes.html

Human Factors Learning Programmes

20 min e-learning module available on HSeLanD.

hseland.ie
Cúram le Eolas

Topics

Definition of Human Factors
History of Human Factors
Key factors that impact on performance & wellbeing
Human Factors in practice

COMING SOON

Foundation in Human Factors

1 day workshop for Teams

Topics

Human Factors as a new way of thinking
Factors impacting on human capabilities and limitations
Threat and error management.
Information processing.
Effective decision making and communication.
Non-technical skills assessment using behavioural markers.
Management and leadership.
Human Factors in healthcare.

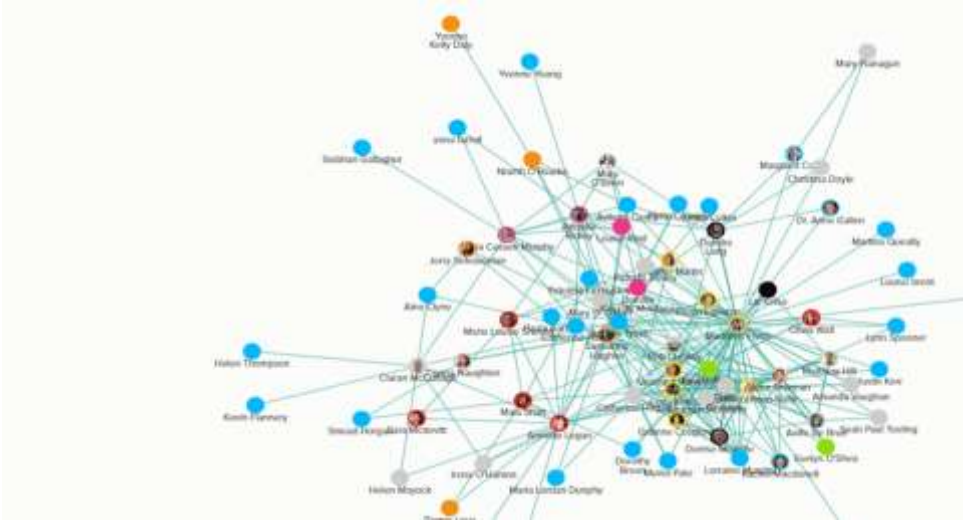
For further information, qps.education@hse.ie

The QPS Ireland Network Map

To help visualise connections between people interested in quality, safety and improvement across Ireland: https://www.hse.ie/eng/about/who/nqpsd/qps-connect/network-map/

- How to join the map?
  - Visit the HSE website (see link in the chat)
  - Get sent your unique link to the map
  - Enter information about you, your professional characteristics and your interests
  - Log your connections

- How to use the map?
  - Filter the map by role, organisation, interests
  - View individual profiles
  - Connect and collaborate with others



Apply to become a member of

Q-Membership is not needed to join the Patient Safety Community, but we encourage anyone with an interest in quality and patient safety to explore all the supports freely available on the Q Community Website: https://q.health.org.uk/join-q/

For information on how to apply contact:
Mary.lawless@hse.ie / Roisin.Egenton@hse.ie

Patient Safety Together:
learning, sharing and improving

Website launched on 17th January

<u>What is it?</u>

- A new freely available online resource that shares patient safety learning & supports the HSE Patient Safety Strategy (2019- 2024)
- Enables users to access & download new and up-to-date QPS information.

<u>Resources will include:</u>

- HSE National Patient Safety Alerts
- Patient Safety Supplements
- Patient Safety Stories
- Resources for further learning including Patient Safety Digest and QPS Community

Upcoming Webinars: Dates for your diary ….

QPS TalkTime

A community of quality and patient safety improvers

QPS TalkTime No. 3

7th March 2023 | 1pm - 2pm

Register now

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HSE National QPS
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Let us know how we did today ….

Reminder: Short questions (pop up) as you sign off, please help us to improve our QPS Talktime Webinars by sharing your feedback

We really appreciate your time, thank you.

Contact: Kris.Kavanagh@hse.ie to be included on our mailing list to receive QPS TalkTime invitations