



Spreading Knowledge about Health Informatics: Equipping the care workforce

**The work of National Information Board Work Stream 6:
Support Care Professionals to Make the Best Use of Data and Technology**

James Freed, September 2015



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Why?

1. Assessing a patient with severe burns quickly and effectively within the first hour of arriving in an accident and emergency department, and working out how much fluid to give them, is key to improving their chances of survival.



6. A study comparing the Mersey Burns app to the paper process in simulation wards showed that it took, on average, 15 minutes less to work out the correct fluid calculation – a significant portion of that first ‘golden hour’.

5. It tells the doctor not only how much fluid the patient needs, but sends details of the injury straight to the regional burns unit that will receive the patient once stabilised.



2. Traditionally, it involved 19 separate calculations using pen, paper. Taking up valuable time and, in the middle of a high-pressure situation, it is possible that mistakes with serious consequences are made.

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102

3. The Mersey Burns app, developed by the clinicians and developers at St Helens and Knowsley Health Informatics Service, replaces these manual assessments with a user-friendly mobile app.

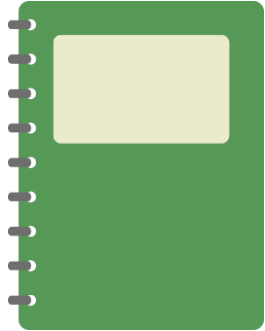
4. Using a touchscreen, the doctor can shade the area of the patient covered by the burn, add the patient’s weight, age and time of injury. Built-in logic does the rest.





AMBITIONS

We consulted with a widely representative stakeholder Advisory Group to develop a set of ambitions to underpin the roadmap



Professionalism

We will increase the professionalism and regulation of the informatics community, based upon clear standards, so that better decisions can be made



Competency

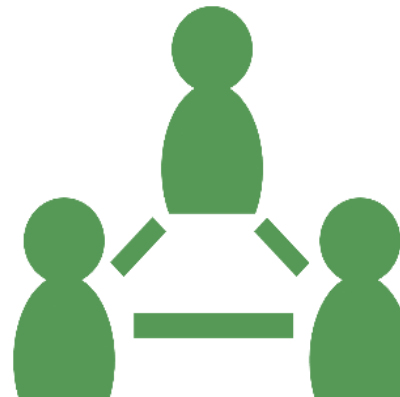
We have provided access to the skills and development that will improve the working life of our workforce

By April 2016 we will have consulted on leveraging existing initiatives to find the best ways of supporting carers to access digital records and information



Leadership

Organisational leaders will be more confident in making decisions about data, information and technology and will know the best ways to assure themselves that those decisions are safe and appropriate



Collaboration

It will be routine practice for different organisations and sectors to collaborate on data, information and technology initiatives which lead to better and more efficient patient and citizen care



PROJECTS



Professionalism (the experts)

- Establishment of a universal, relevant and clearly understood definition of the 'informatics community'
- Understand informatics roles in the context of different care settings, to build a matrix of risk and competency
- Establish a professional body and build a professional framework to support it to include: competency frameworks, registration and regulation mechanisms, link to continuous professional development, and ongoing maintenance
- Explore regulation and what it means practically for this professional body
- Make a clear link to accredited materials and where to find them



COMPETENCIES

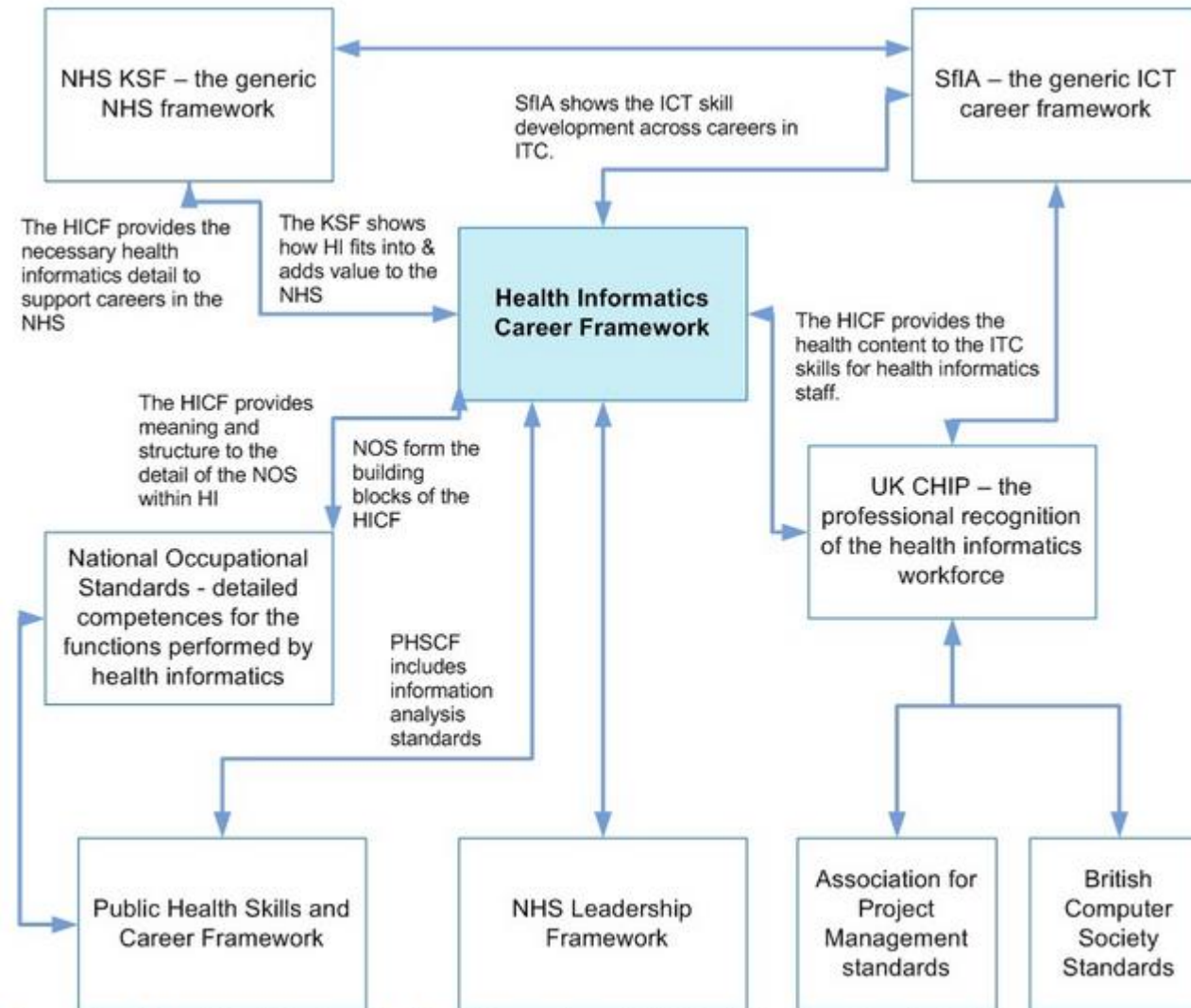
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The Health Informatics Career Framework www.hicf.org.uk

Skills For the Information Age (SFIA) <http://www.sfia-online.org/en>

UK Council for Health Informatics Professions (UKCHIP) <http://www.ukchip.org/>

The GDS Digital and Technology Skills Framework <https://www.google.co.uk/#q=digital+and+technology+skills+framework>



An overview of the relationship between the different frameworks – not all relationships have been shown for simplicity



PROJECTS



Competency (the formal workforce)

- Review the competency framework against the curricula for health and care professional groups
- Identify gaps and establish best approaches to address them. This will include, for example, alignment with the work being proposed (in conjunction with the RCN) to establish an 'E-nursing institute' and a 'smart technology for sharing' initiative
- Develop and change existing curricula to ensure an 'information fit' workforce
- Delivery of agreed work plan(s) to meet this ambition - addressing gaps and overcoming identified barriers for specific segments of the workforce



PROJECTS



Competency (the informal workforce)

- Establish which networks exist now for the informal workforce and provide options for expanding/changing form of these
- Establish requirements by consulting on what the informal workforce would like to see, including support and network requirements
- Ensure design is improved to enhance usability, inclusiveness and communication for marginalised communities
- Provide output for NIB Workstream 1 ('Enable me to make the right health and care choices') and NIB Workstream 2 ('Give care professional and carer access to all the data they need')



PROJECTS



Leadership

- Deliver a series of digital leadership summits through 2015/16 to address the needs of leaders
- Engage industry to open up technology centres to combine working with innovation and learning
- Provide moving CIO/similar resource, with protected time, to add value to decision makers
- Look at commissioning and regulatory levers, financial incentives and scrutiny that would support good quality decision making regarding use of data and technology



LEADERSHIP SUMMITS

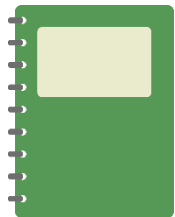
A series of Digital Leadership Summits, developed and delivered by experts from within the health and care and other industries, to help boards understand how and where better use of data will help meet the challenges of integrated care, outcomes, safety and efficiency...



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Outcomes:

- To educate on the ‘art of the possible’
- To develop a plan to improve the board’s awareness and oversight of technology and data
- To develop a plan to improve the organisation’s digital maturity

Services are available for
erging down the line

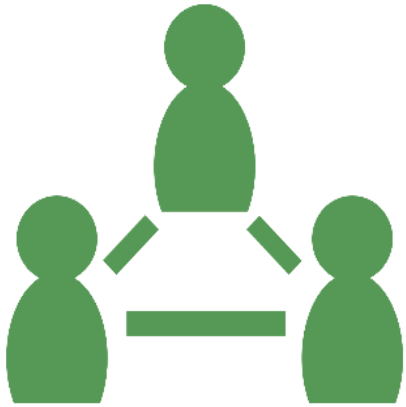
of information/
isks (inc. Cyber Security
izens in a digital age)

dress ingrained cultural

Pilot sessions in two organisations to be completed by the end of 2015, to be followed by a report to assess value, with the aim of rolling out tailored sessions during 2016 to 100 health and care organisations most likely to benefit



PROJECTS



Collaboration

- Establish and provide networks of support across organisations, sectors and health and social care to help share initiatives that work and improve understanding of information and technology
- Establish cross-working/placement opportunities and mechanisms and provide an environment that allows individuals to look outside of their own role as a standard part of their job/training
- Establish mentoring and coaching across organisations, sectors and health and social care



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Thank You