



eHealth Ireland Journey

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Knowledge & Information Plan

Integrated, Patient Centric,
Efficient Care Delivery

Clinical & Information Governance



Care
Delivery
Enablement



Electronic
Health
Records



Cross
Setting
Information
Integration



Health
Service
Insights



National
Support
Systems



Knowledge & Information Delivery Transformation

"Our goals can only be reached through a vehicle of a plan, in which we must fervently believe, and upon we must vigorously act. There is no other route to success."

Pablo Picasso

Enabling Connected Health Through Digital



Optimise the Core
Optimise EHR and care systems environment, enable shared services, and streamline IT and operations



Support Business Change
Service changes, care system redesign, re-organisations and push for increased care coordination



Protect the Organisation
Information protection, security, internal controls, resilience and cyber security



Actionable Insights through Analytics
Data and analytics, predictive modeling and overall governance



Enable Connectivity
Disruptive technologies including cloud, digital and mobile for greater patient and organisational engagement



Embrace Innovation
Embedding a culture of innovation can speed up the transformation process, shortening the gap between inspiration and implementation.

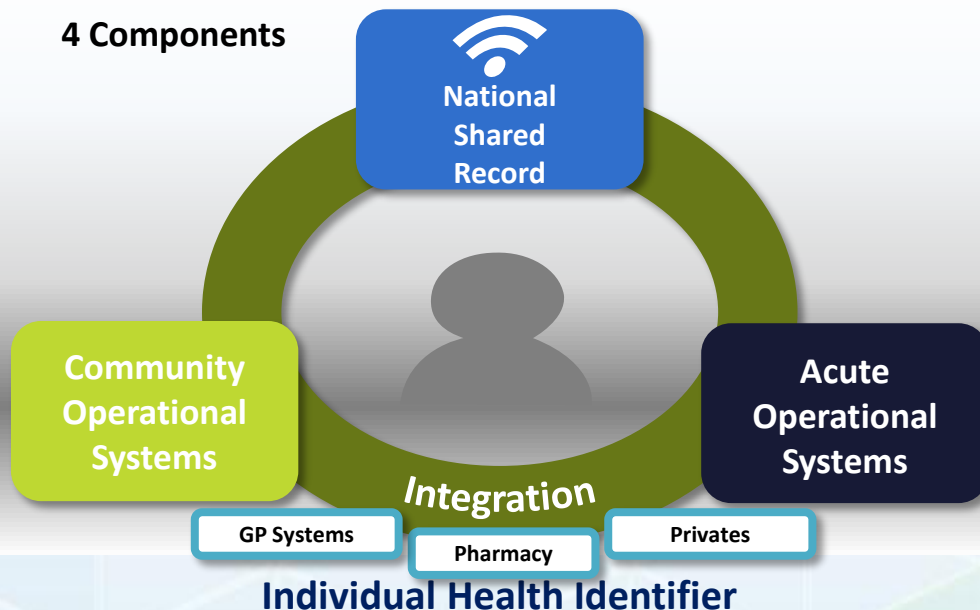
EHR for Ireland



eHealth Blueprint



4 Components



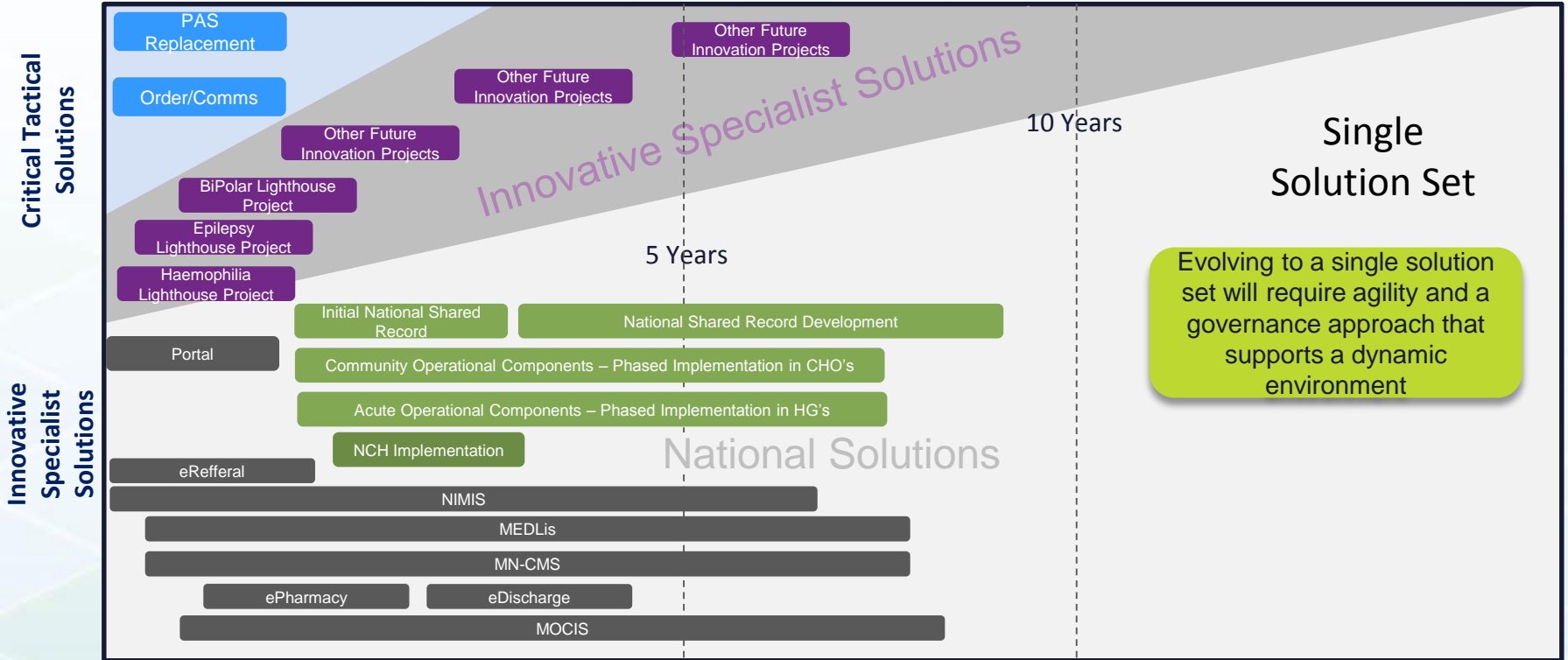
The Individual Health Identifier Programme is a key enabler that allows information to be shared about a patient

Moving from paper records locked in organisations to a digital patient record shared across care settings

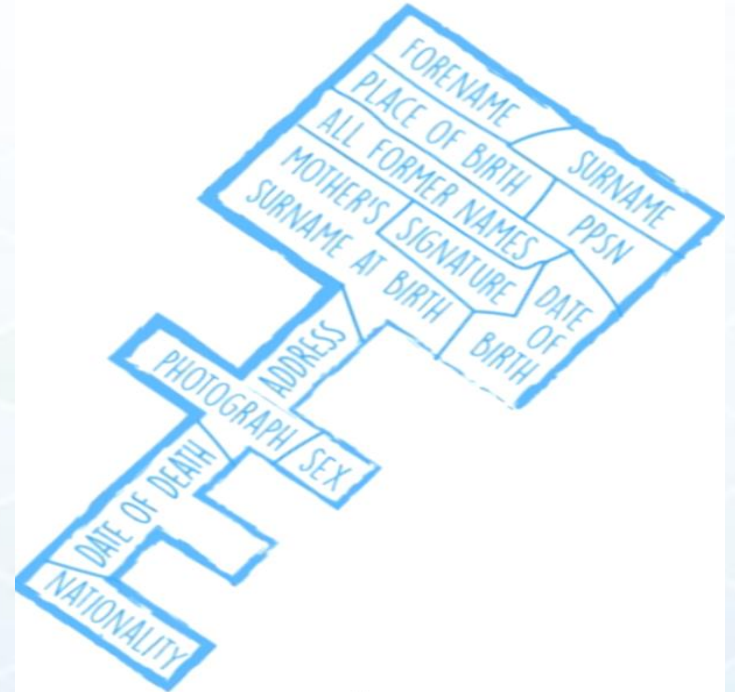
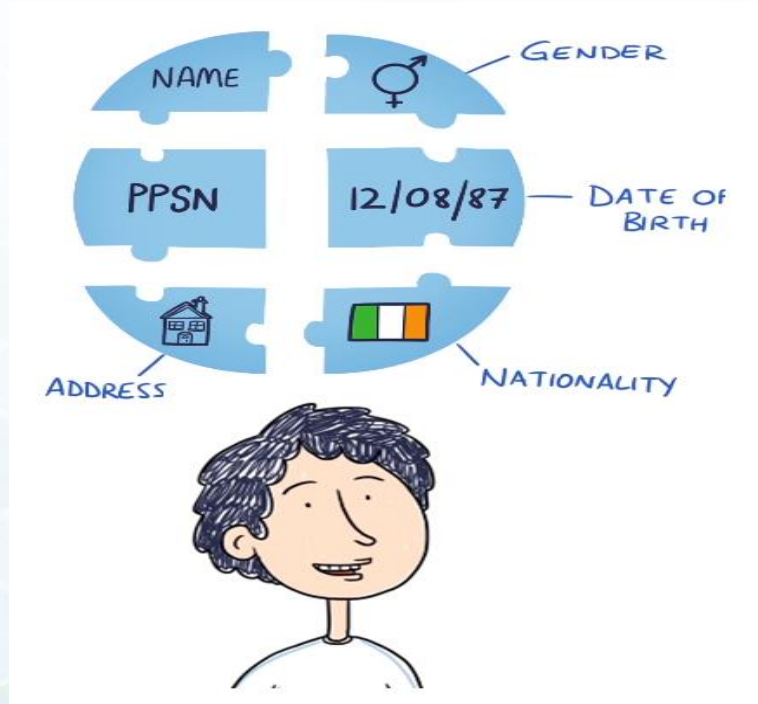
The "glue" that binds all this together and maintains integrity and security across the system

Other healthcare providers will access and contribute to the National Shared Record through the Integration Capability

10 Year Journey



Individual Health Identifier



A photograph of a park or plaza area. In the foreground, a person wearing a dark jacket and carrying a red bag is walking away from the camera on a dirt path. To the right, there is a paved walkway with a grid pattern, a black lamppost, and a wooden bench. In the background, there are more trees, another bench, and a large brick building with many windows. The scene is brightly lit, suggesting a sunny day.

User experience

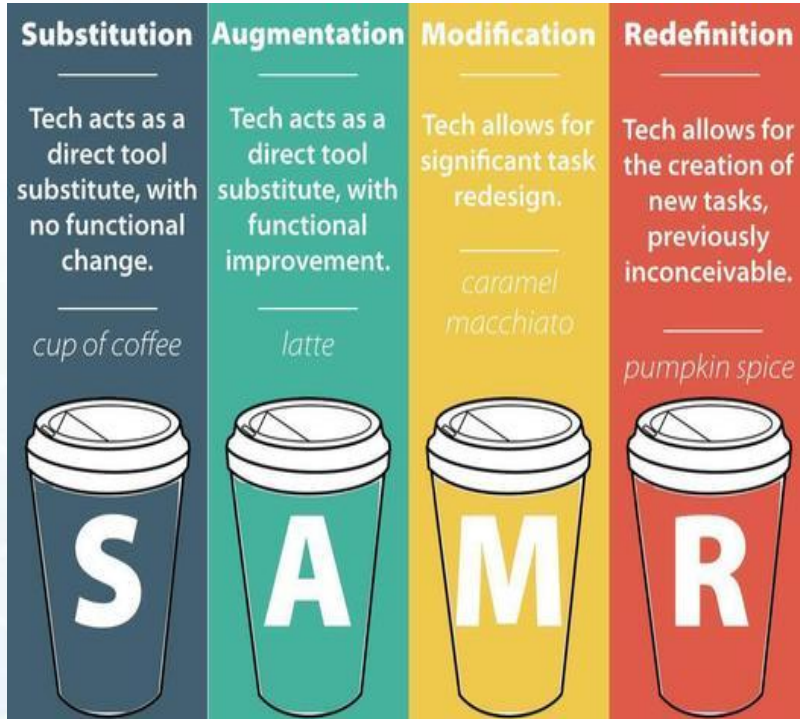
Design

New Frontiers



Personas Digital Fabric Engagement Ownership

SAMR Ladder

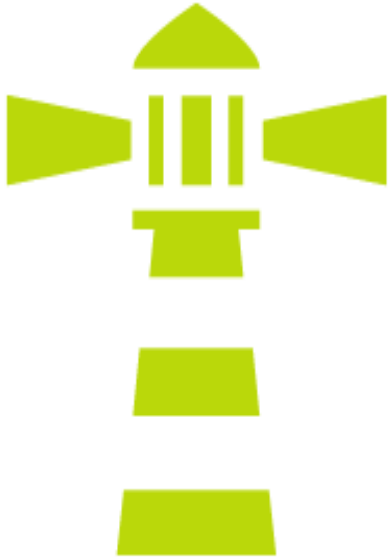


Substitution: What will I gain by replacing the older technology with the new technology?

Substitution to Augmentation: Have I added an improvement to the task process that could not be accomplished with the older technology at a fundamental level? How does this feature contribute to my design?

Augmentation to Modification: How is the original task being modified? Does this modification fundamentally depend upon the new technology? How does this modification contribute to my design?

Modification to Redefinition: What is the new task? Will any portion of the original task be retained? How is the new task uniquely made possible by the new technology? How does it contribute to my design?



Epilepsy

- First instance of epilepsy genomic sequencing being included in an EHR
- €5m a year to be saved in 2017



Haemophilia

- Ireland's first health care supply chain management solution deployed to patients homes
- Over €20m saving in first 3 years



Bipolar Disorder

- Patient mobile access to electronic health record and 'mood recording'
- Hackathon approach supporting innovation and jobs

Data, Data & more Data



Open Data

320 Data Sets

Collaboration with Academia

TCD; UCC; UL; NCAD & more

Collaboration with EU

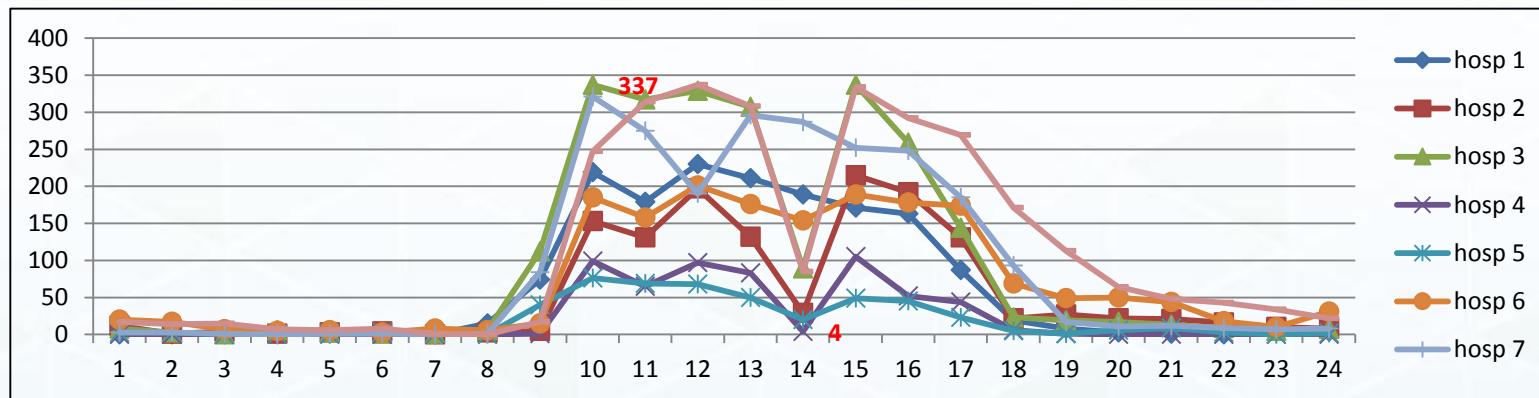
EU Task Force; MIDAS & more

Collaboration with Patients

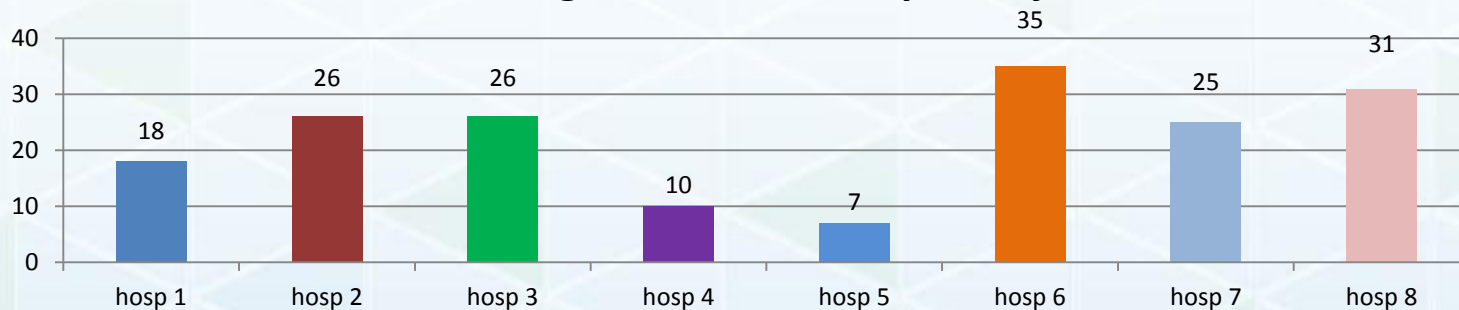
Portals; ED App; eHI Committee



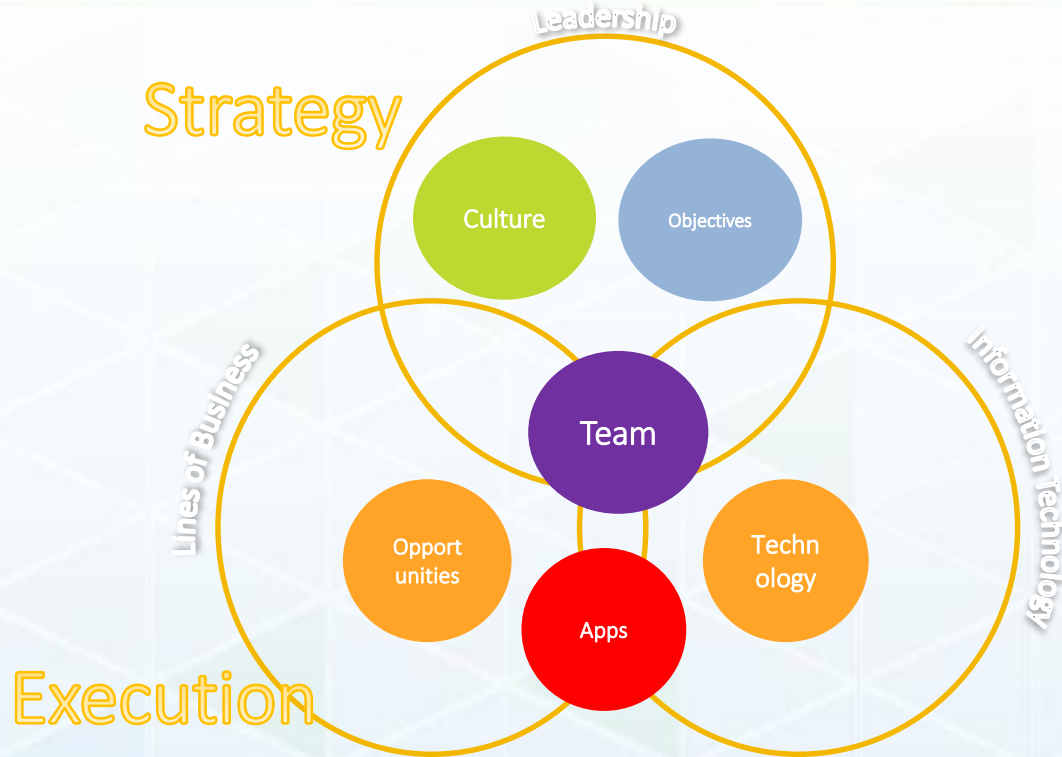
CT Patient throughput 3 month period (8 mth)



Average no of Patients per day



Where to Start?



People



What if our culture....

could be our advantage?

Getting All Staff Connected



“I want the HSE to have a more digitally connected workforce. The modern healthcare system must value connectivity highly and we need to embrace this in every way we can. In investing in our staff, and supporting them with the tools they need, we in turn are better able to provide a safer, more efficient and ultimately better service to our patients and to the public.” Tony O'Brien, Director General, HSE

www.hse.ie/eng/about/Who/OoCIO/digital-identity





Cyber Security Measures by HSE's Office of the CIO

#THINKB4UCLICK

TURN ON



#1

DON'T LOG ON TO YOUR EMAIL

On Monday morning please **TURN ON** all machines but **DO NOT LOG ON TO YOUR EMAIL**. Please share this message with your co workers and if they are not in work reboot on their behalf.

#3



IT Representative

Locally in each health building there will be an IT representative to provide assistance and advise you on further updates.



Disabled Emails

Email currently has been disabled on all machines. Stay away from email until further notice. You will be notified when it is safe to use email again either by text or by your IT representative

Once email is made available the clear message throughout the week will be:

#THINKB4UCLICK

For more information visit:
www.ehealthireland.ie



#2



Security Patches

Your Central IT departments will be updating local machines with security patches and anti-virus capability, this is essential to ensure each and every machine is protected.

#4



Help Desk

A single service desk is in place across the HSE. If you notice anything unusual please call:

☎ 0818 300 300



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