



A healthcare scientists' career to date

Denis Duignan, Head of Technology – Health Innovation Network





Health Innovation Network South London

We connect academics, NHS commissioners and providers, local authorities, patients and patient groups, and industry.

We work to accelerate the spread and adoption of evidence-based innovations and best practice across South London and beyond.

Acting as catalysts of improvement across the local health and care system, our work supports better health outcomes & economic growth.







55
Member
Organisations



of 15 AHSN's in England



12 South London Boroughs



2 STP Areas

HIN Goals

August 2019



Improve lives

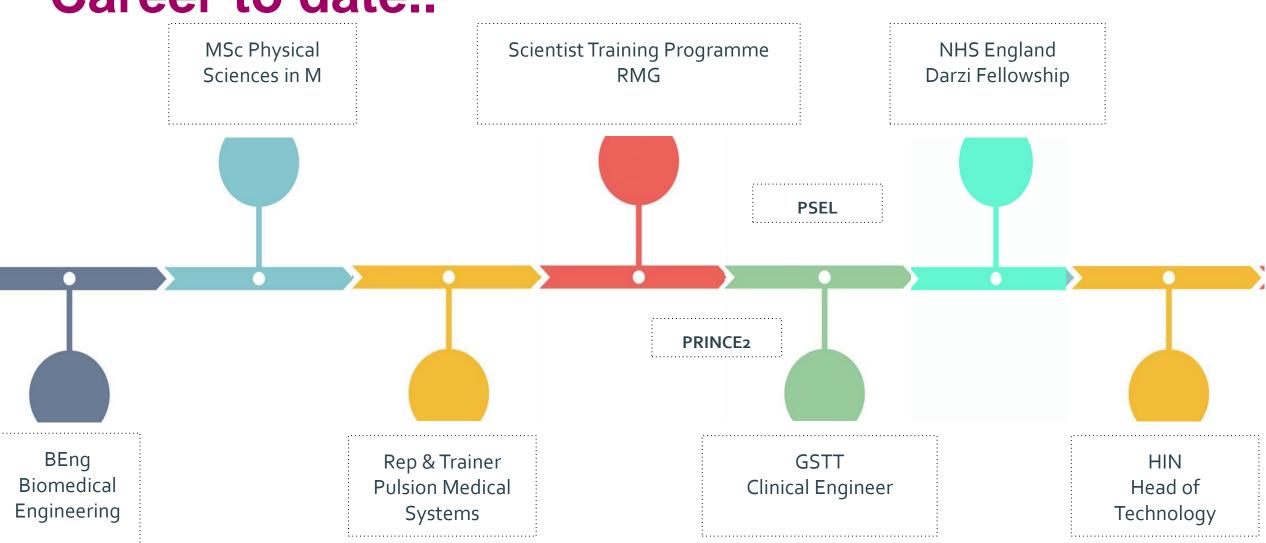


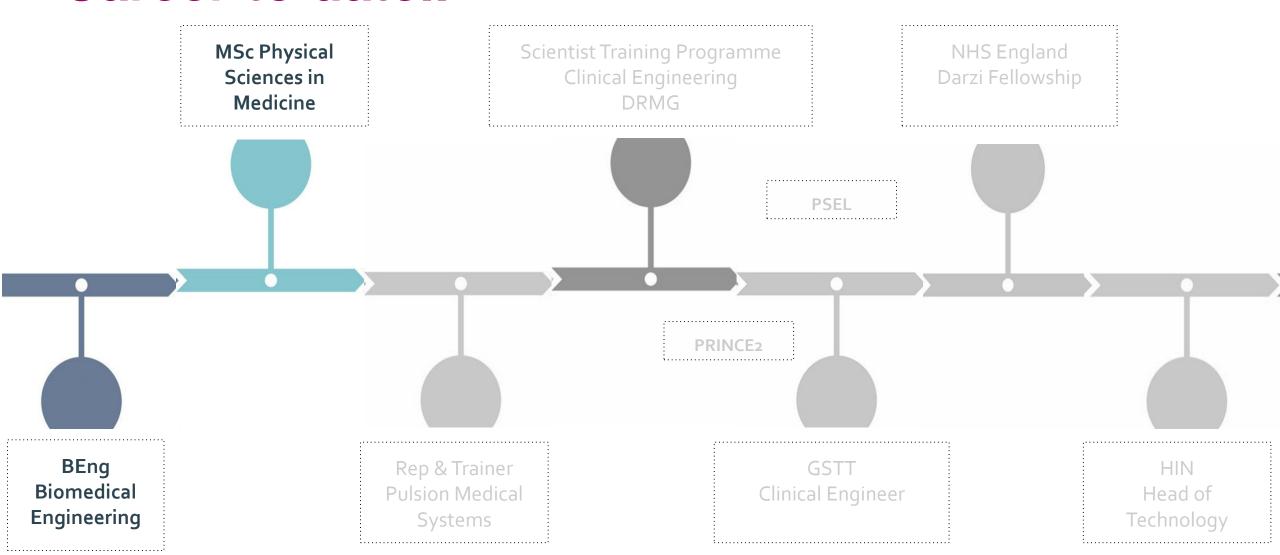
Save money

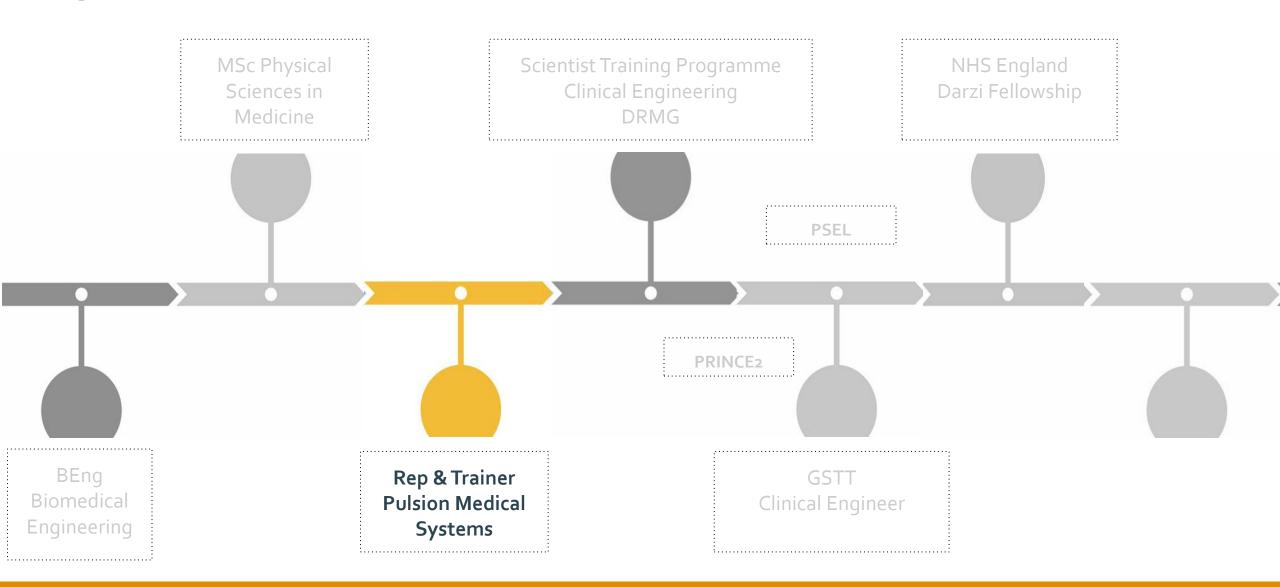


Drive economic growth

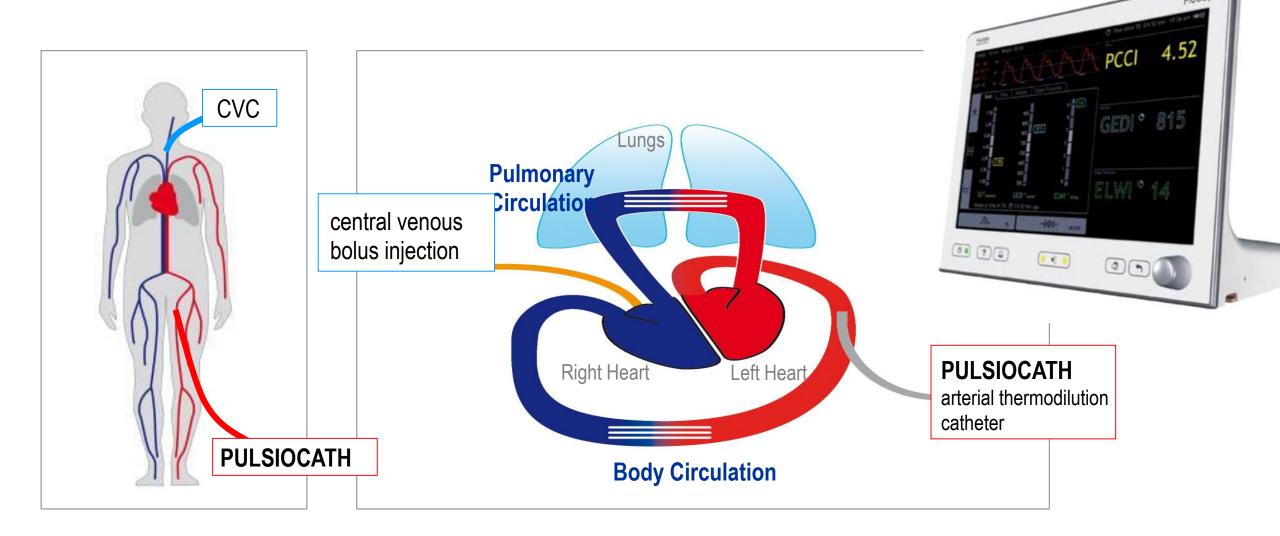


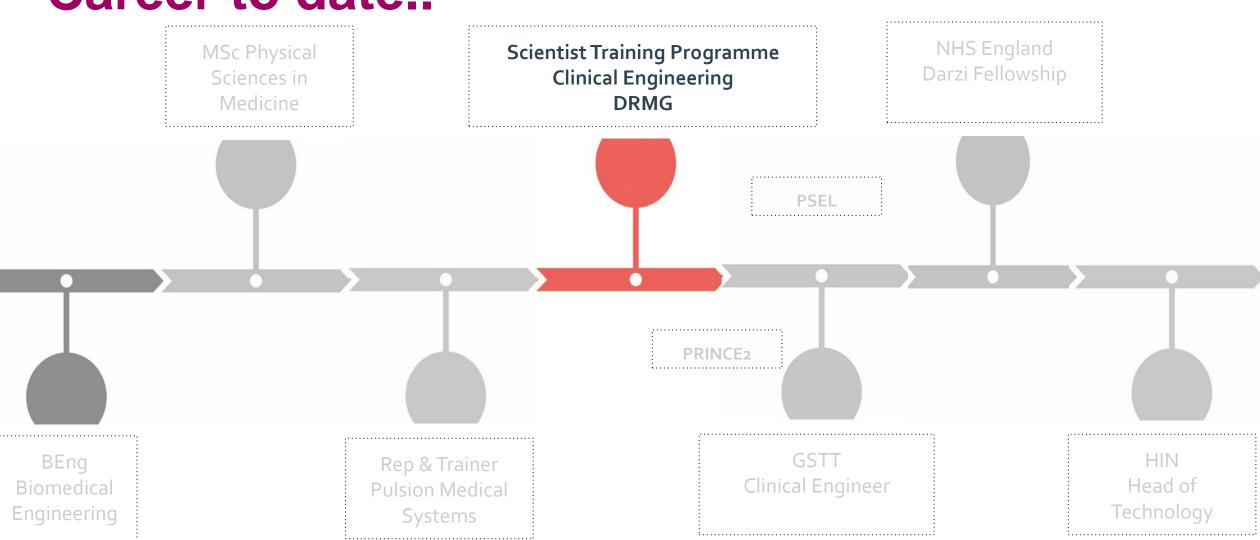




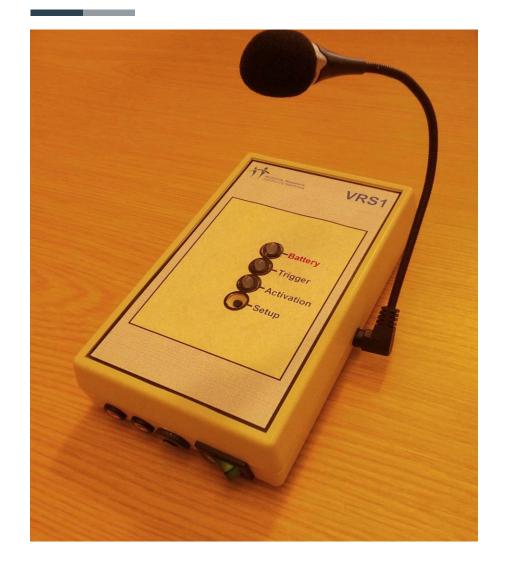


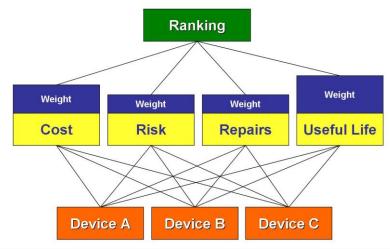
Pulsion Medical Systems REFLECTIONS

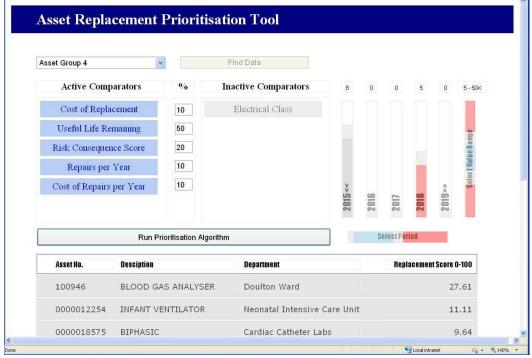


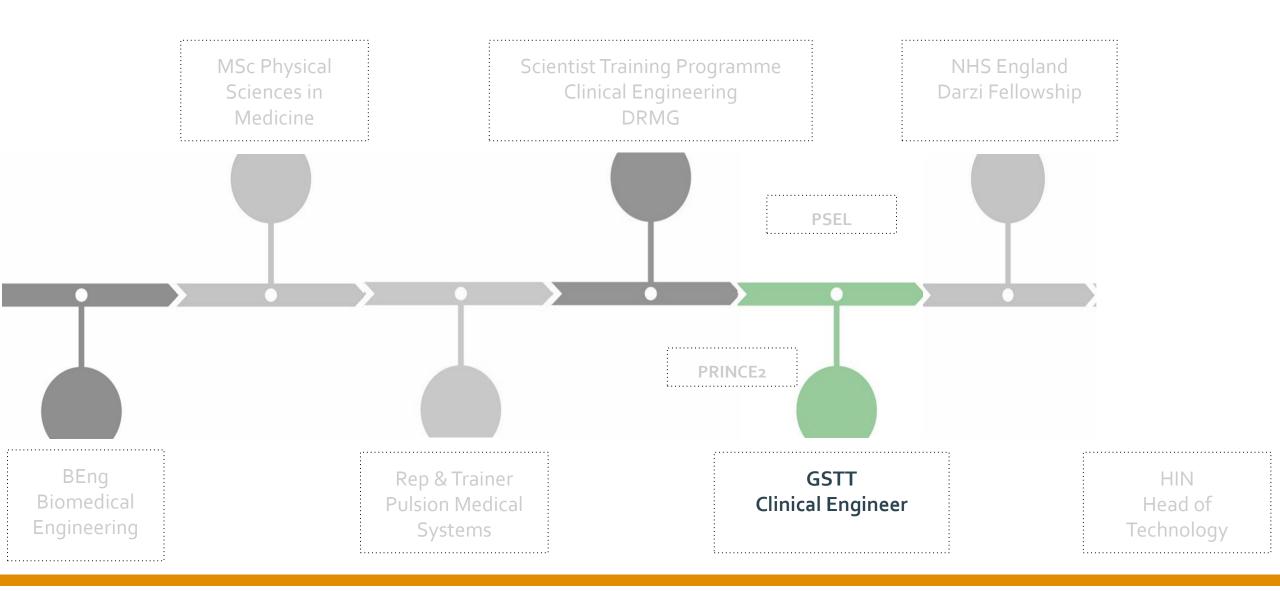


STP REFLECTIONS







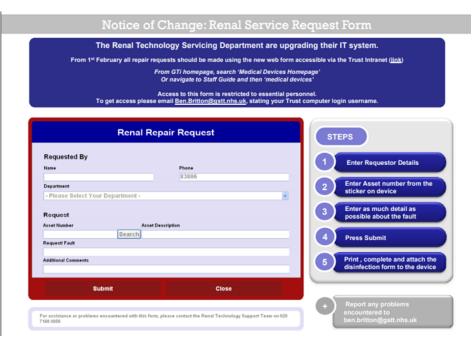


GSTT Clinical Engineering



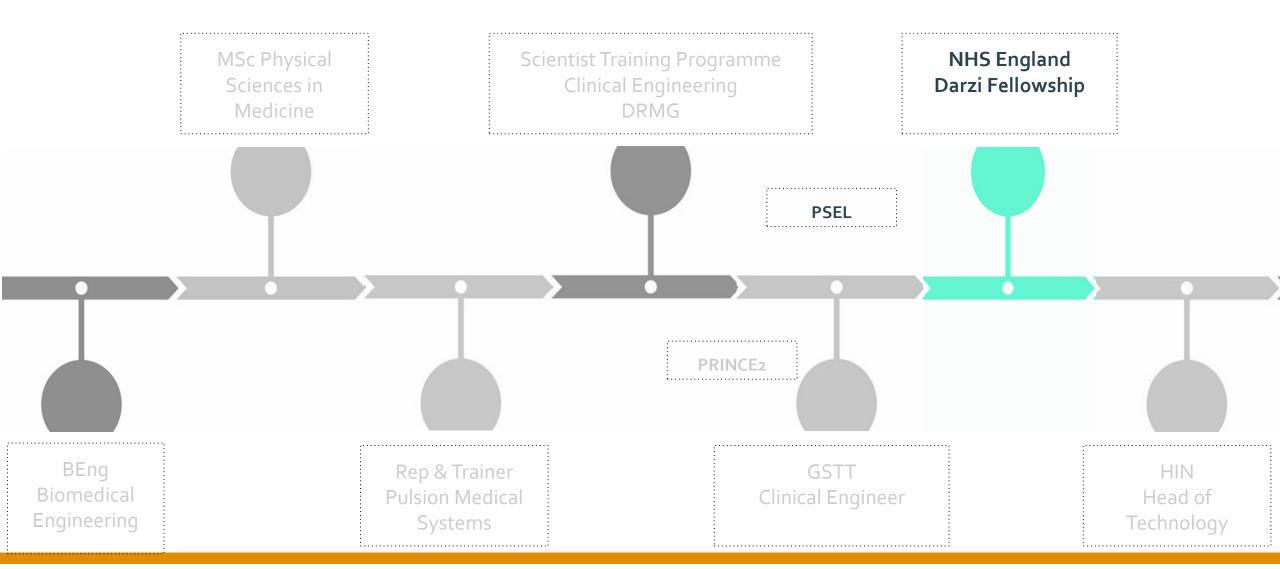






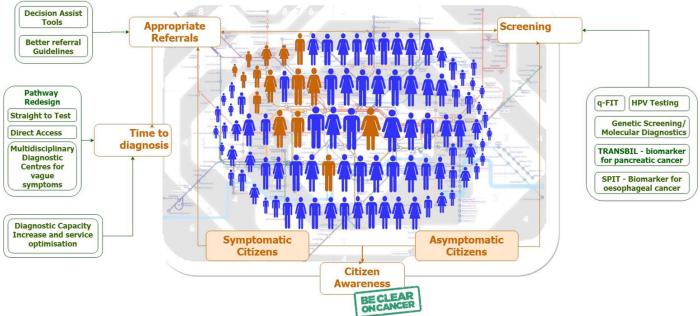






www.nshcs.hee.nhs.uk @NSHCS @NHS_HealthEdEng

Darzi Project





NHS **Next Steps on** the NHS Five Year **Forward View** ONE YEAR ON 2015-16

Achieving World-Class NHS Cancer Outcomes: A Strategy for England

Improving Cancer Diagnostics in London

Denis Duignan NHS England Medical Directorate (London Region)

July 2018

Project Context

The State of Cancer Diagnostics in London

A recent major study of 29 European countries found that survival rates for almost all common cancers in the UK are worse than the overall European average 1. There is also significant variation in cancer outcomes across the country, one study showing that the proportion of people dying within a year of being diagnosed with cancer is 61% higher in the worst-performing local healthcare area in England than the best 2. In London, there are particular challenges around the prevalence of emergency admissions and late stage diagnosis of cancer, compounded by workforce and capacity shortages Earlier diagnosis was identified by the independent cancer taskforce as a key area for improvement in order to meet the vision set out in the five year forward view 3.4.

Exploring the Problem Space

Finding where I might add value in a complex area

The current landscape around cancer in London is complex and contains several. extremely active and dynamic stakeholders who are working across several cancer focus areas and on tens if not hundreds of projects.

In order to identify a feasible project of appropriate scope and scale that was achievable within the given timeframe. I used engineering design theory (figure s). This involved exploring the literature and conducting widespread enquiry with stakeholders across London's three cancer alliances to gain an understanding of the major needs within the system and the areas of focus and workstreams

After performing SWOT analysis on four potential areas of involvement. I felt that the system's need for increased diagnostic capacity, and particularly within endoscopy, was where I could make an impact.



The Endoscopy Issue S

Endoscopy services in the A key area identified to tackle Through engaging with NHS are currently under huge this rising demand are service endoscopy pressure and are struggling to efficiency gains. Previous across London, I discovered deliver the 62 day cancer studies within endoscopy units that there was a clear need for

between 2006 and 2014 5.

suggest that through the use of demography and population lean tools and methodologies health status along with lower which highlight actionable out to build on previous work. guidelines and changes to flow and experience can be Endoscopy Unit©, and to screening technology, this improved along with an 6.5% per annum increase in GI demonstrable leadership by endoscopy demand as senior clinicians and nursing

References

The Leanoscopy Solution

The initial concept for this website was to host useful resources and quality improvement tools which would allow data to be shared between users in endoscopy services. As the project progressed it became clear that the variation in processes and clinical information systems across London made building a semi-automated data sharing solution that could work for all non-feasible Instead it was decided to focus on creating key features that could have an

The design and creation of Leanoscopy.com was a joint effort between the scientific team within NHS England's medical directorate (London region), the transforming cancer services team and endoscopy services from UCLH, Homerton Hospital and Guy's & St Thomas' NHS Trust

Desired Outcomes

INCREASE ENDOSCORY CARACITY THE PRODUCTIVE ENDOSCORY ACROSS LONDON - Through the UNIT The 2014 productive series delivery of intuitive improvement tools which present concise actionable information, it is hoped that endoscopy units will be able to make quick efficiency gains and free up capacity within the system

IMPROVEMENT IN THE QUALITY OF ENDOSCOPY SERVICE DELIVERY understanding of improvement methods it is hoped that the quality of service delivery will increase across the board.

IMPROVE SAFETY BY PROMOTING information for patients allows units STANDARDISED BEST PRACTICE to learn from each other and improve and data sharing between units OTHER USEFUL RESOURCES promoting best practice pathways The site signposts users to resources and successful case studies, it is such as the transforming cancer hoped that unwarranted variation will services team that offer hands-on



Progress to Date

BETA VERSION COMPLETED

The website has gone through three design iterations and is fully functioning, fulfilling the majority of the initial specification

EVALUATION UNDERWAY

Key stakeholders are assessing the usability. Early feedback has

Next Steps LOCAL CLINICAL CHAMPIONS TO TAKEOVER WEBSITE - Key stakeholders within this project have agreed to become champions for this

driving its spread and use.

Key Content

contains numerous case studies,

tools and guidance on service

INFORMATION SHARING FEATURE

This allows members to share and

view data about endoscopy units.

such as the pathways in place,

staffing information, procedures

undertaken and improvement

PATIENT LEAFLETS & INFORMATION

improvement specific to endoscopy

site, both managing the content and USER EVALUATION TO INFORM NEXT STEPS - Possibility of expanding the

diagnostic imaging and pathology COLLABORATE WITH OTHER PROGRAMMES OF WORKS - NHS Team are due to refresh all NHS productive series and an agreement to

Key Lessons Learnt

he Good, the Bad & the Ugly

- . THERE IS A GROWING NEED FOR IMPROVEMENT Endoscopy units are facing significant financial operational and workforce challenges in
- . NEED TO CREATE HEADSPACE FOR CLINICAL STAFF AND ADMIN IN ORDER TO CHANGE THINGS - Endoscopy units are operating largely in firefighting mode and will need significant dedicated time to make
- ENDOSCOPY UNITS Having online resources alone will not be enough Training of staff around using tools and implementing actions is required.
- THERE IS NO DIGITAL SOLUTION FOR A CULTURAL PROBLEM

information. This project set

co-design a website with

contains useful resources

which aim to help service

of their services and reclaim

lost capacity.

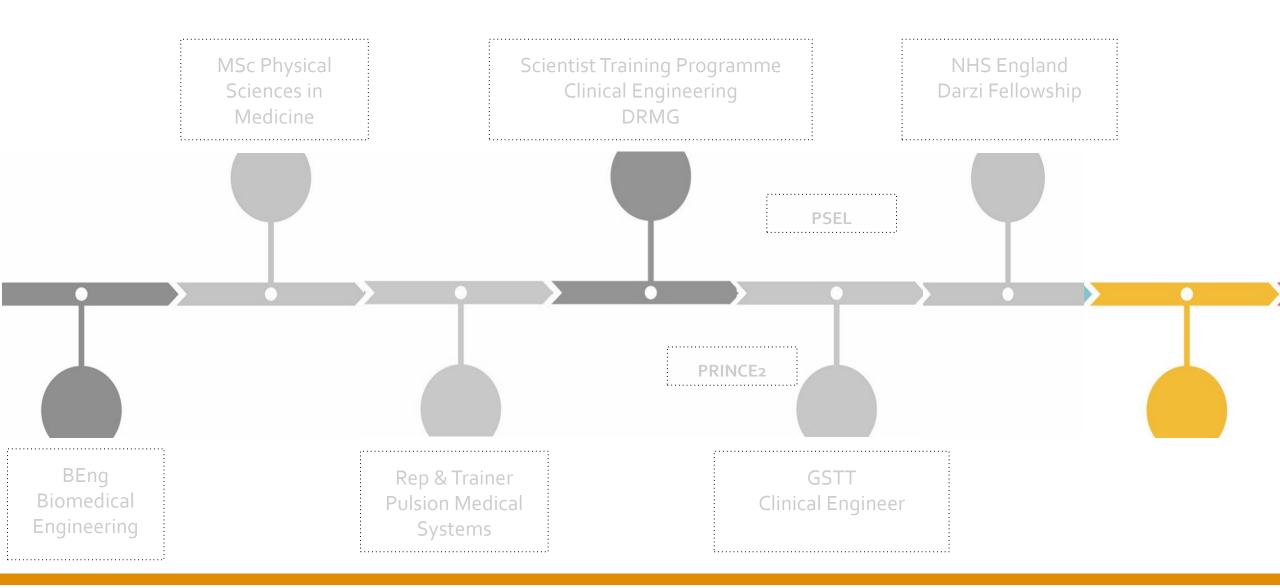




A model of care for

cancer services

easy read



STP advice

- 1 Make the most of the STP opportunity and get stuck in.
- Build good relationships with colleagues as this will serve you better than building expert knowledge.
- 3 Don't be afraid to get involved outside of your discipline.
- Try to visit as many healthcare delivery settings as possible, and build your network.
- Pay attention to national policy and plans as models of care are changing rapidly, which will impact all services.

Questions

DENIS.DUIGNAN@NHS.NET