

Innovation and the role of R&D in the NHS in the North West

Mike Farrar, Chief Executive, NHS North West

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North West approach to R&D

- NHS North West has high aspirations for R&D in the North West:
 - To co-create a strategic approach to R&D
 - To facilitate NHS organisations and Universities working collaboratively to develop and secure high quality, innovative bids for research funding
 - To speed up the process of taking research breakthroughs into NHS patient care to improve treatments and patient care locally and for the wider NHS.



R&D is integral to the NHS:

- NHS Constitution
 - Commitment of the NHS to the promotion and conduct of research
- Handbook to the NHS Constitution
 - Patients will be made aware of research that is of relevance to them



Implications for NHS Organisations:

- NHS Operating Framework
 - NHS must play its full part in supporting health research
 - **ALL** providers of NHS care will need to increase their participation in research
 - National ambition is to double patient recruitment within 5 years
 - SHAs will ensure that NHS Trusts work with the NIHR Comprehensive Clinical Research Network locally to contribute to this progressive increase



Implications for SHAs

- Guidance for SHAs re Duty to Promote Innovation
 - SHAs will report on the actions taken to support the work of the NIHR Clinical Research Networks locally and to develop the collaborative capacity for the NHS to join in research studies and trials

The NHS' contribution to UK PLC:

- Government Response to Review and Refresh of Bioscience 2015:
 - Trusts to set goals for research for their organisations and to report on their achievement at least annually to the Board and in their annual report
 - Trusts will be asked to publish average time it takes for local research approval process to be completed
 - Trusts will be asked to use the NIHR Coordinated System for gaining permission and not develop unnecessary local bureaucracy



The message from David Nicholson:

- NHS has potential to be a huge strategic asset to expand life sciences industry and support pharma industry
- Looking back there have been gains from all types of innovation – clinical, technology, service, organisational and managerial but there is little research on the relative contribution of each of these to health gain or to economic growth



Different Cultures:

- CEs' focus in England on reducing waiting times and health care acquired infections
- CEs' Focus abroad on creating an environment where more clinical trials are done and ensuring patients receive better treatment faster
- Solution is innovation to improve quality and productivity



R&D and innovation and the opportunities for:

- Quality
- Innovation
- Productivity
- Prevention

Harnessing the opportunities

- Office for Life Science Blueprint
 - North West Industry Exemplar Programme
- Innovation Gateway
- SHA Legal Duty
- Innovation fund
- Partner funds
- Translational research



Improving quality

- Advancing Quality: demonstrates that improved quality reduces costs
- EG Sentinel audit in stroke – better compliance with indicators reduces length of stay
- Advancing Quality Alliance will create a more systematic NW approach



Challenges:

- To ensure system wide adoption of innovations and research outputs
 - Variable experience in North West
- To support culture change so NHS organisations are ready to take advantage of new ideas



Moving up a gear

- Initial focus on creating the culture change to support the diffusion of innovation
- The real opportunities will come from the Innovation Gateway which aims to promote effective partnership working across the NHS, industry and academia to address intractable health issues and identify novel innovative solutions



Continuous Improvement

- Number of NIHR successes in the North West with an emphasis on delivering research outputs and innovations to make a real difference to patient outcomes and improving health care
- Use R&D and innovation to support:
 - New ways of working
 - Reducing work
 - Reducing cost of current work
 - Doing work differently
 - Doing more work for the same cost

Rebalanced System

- Emphasise prevention and management of chronic conditions
- Take a whole system approach
- Systematically challenge ineffective treatments and build the evidence base

Success factors

- Maintain momentum
- Commitment to improvement and quality
- Working on correct footprint
 - Fit for purpose
- Clinical engagement
- Public engagement
- Adopting the right mindset
- Big ideas:
 - Unleashing the big ideas to transform healthcare and improve health outcomes
 - Requires greater levels of imagination and creativity