



Impact and Translation Toolkit Healthcare Technologies



- ■ ■ Healthcare Technologies Grand Challenge Strategy launched 2015
 - ■ ■ **Accelerating Impact** is a key strategy for EPSRC in particular in Healthcare related grants
 - ■ ■ Embed thinking about translation and impact **FROM THE OUTSET**
 - ■ ■ Researchers **do not have to do translation**
 - ■ ■ Its about preparing research for those that may take it up in the future

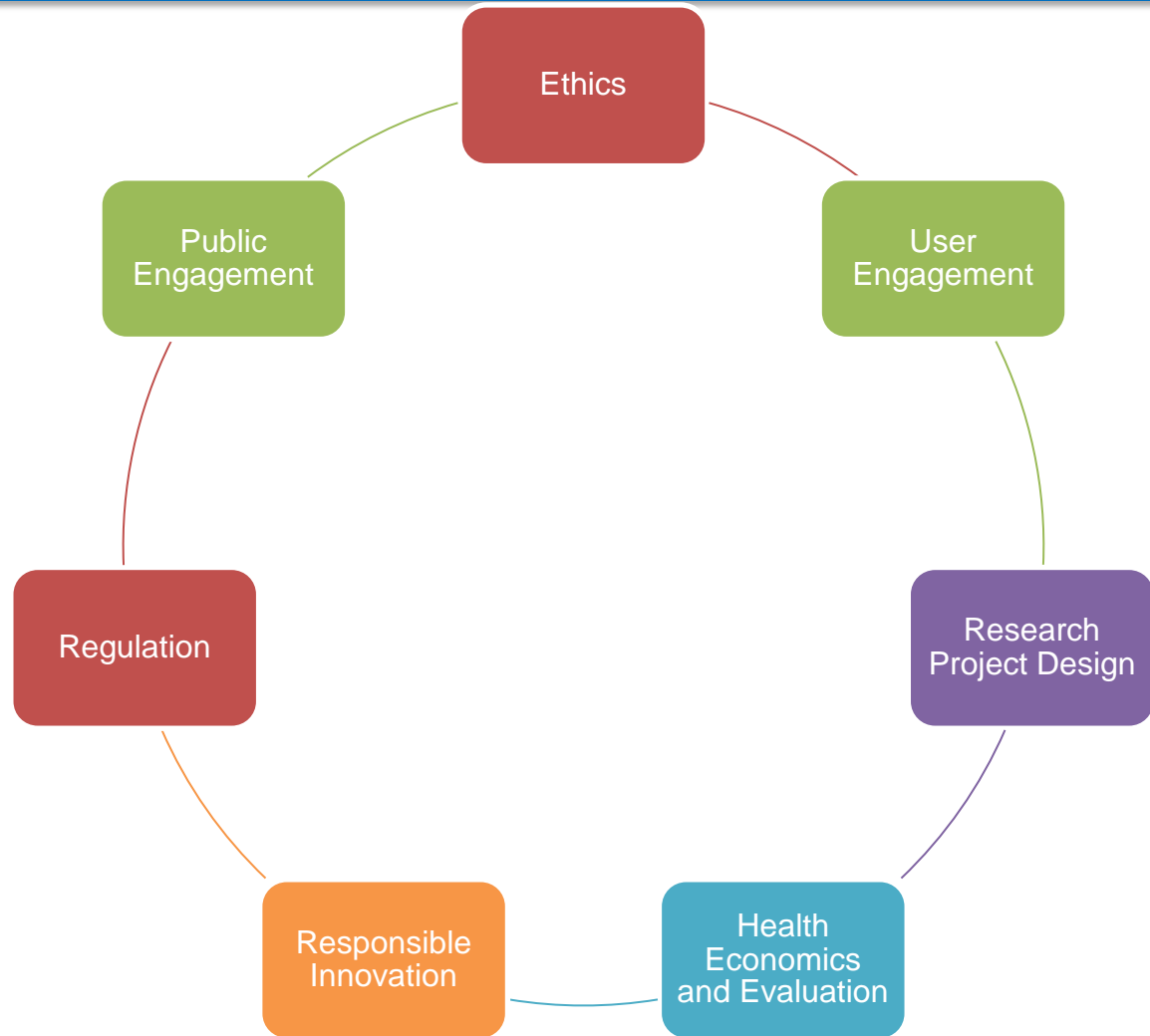
- ■ ■ What is the toolkit?
 - ■ ■ A spotlight on:
 - ■ ■ Behaviours we want to encourage
 - ■ ■ Resources available to researchers

- ■ ■ [Healthcare Technologies Strategy](#)
- ■ ■ [Toolkit Link](#)



Not all aspects will be relevant to all projects

Encourage researchers to consider all aspects and then pursue the most appropriate actions depending on their projects requirement



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Ethics

- ■ ■ Ethical approvals of research trials:
 - ■ ■ Human Involvement? Vulnerable patient groups?
 - ■ ■ Animal involvement?
 - ■ ■ Issues of privacy and security, arising from data collection / research plans?
- ■ ■ What resources can be requested?
 - ■ ■ Access to expertise and cost of administration to achieve appropriate approvals



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Health Economics & Evaluation

- ■ ■ Demonstrate potential benefits to the NHS / DoH / Industry
- ■ ■ What resources can be request?
 - ■ ■ Embed a health economist? Pilot health economic studies?
 - ■ ■ Other support to evaluate interventions & technologies



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Public Engagement

- ■ ■ Generate public awareness; communicate research outcomes; encourage public engagement and dialogue, disseminate knowledge to non technical audiences
- ■ ■ Is this Controversial science?
 - ■ ■ Public dialogue to inform research direction – what is the public concerned about?
- ■ ■ What resources can be requested?
 - ■ ■ Resource to support engagement activities e.g. workshops, public dialogues, facilitating access to patients



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User Engagement

- ■ ■ Collaboration with users to increase the probability of successful, rapid translation to products and practices.”
- ■ ■ User informed approach - Engage **throughout the project**
 - ■ ■ Clinical, Industrial, Patient involvement
 - ■ ■ Other Stakeholders e.g. charities
- ■ ■ Translation to practice - communicate your Impacts more broadly
- ■ ■ What resources can be requested?
 - ■ ■ Activities to support uptake – feasibility studies
 - ■ ■ Dissemination and user awareness of research outcomes
 - ■ ■ Activities which aim to Inform policy / educate policy makers

Impact & Translation Toolkit Research Project Design

“consider the future needs of others who may wish to ‘take up’ and translate research”

- ■ ■ Answering *the right* questions, be they clinical, scientific or regulatory
- ■ ■ How can applicants de-risk their research for potential investors in the future?
- ■ ■ Succession planning beyond the project
- ■ ■ What resources can be requested?
 - ■ ■ Employment of specialist knowledge transfer staff to identify and exploit IP
 - ■ ■ Workshops to support early translation efforts
 - ■ ■ Early Proof of Concept (PoC) studies
 - ■ ■ Where relevant - Good Clinical Practice training, and Good Manufacturing Practice training (GMP) to allow integration of considerations into research projects

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Regulation

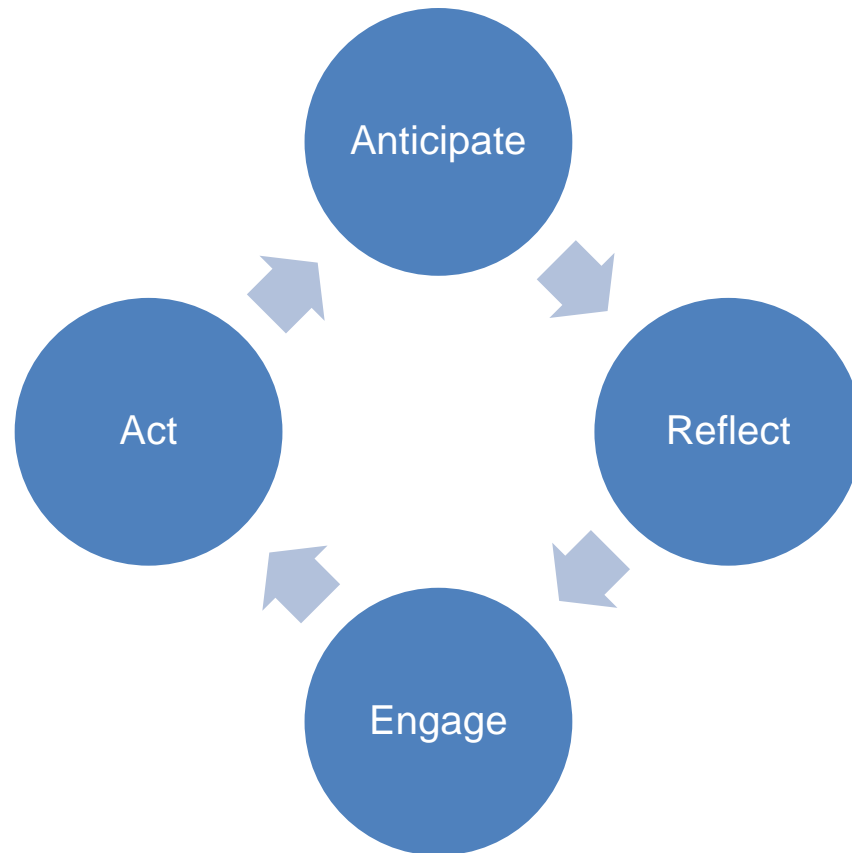
Develop an understanding of current regulatory pathways and engage with regulators to help shape future regulation.

What resources can be requested?

- Researchers may request funding to engage with experts or undertake training to improve their awareness of possible regulatory issues.
- Support to access expertise and regulatory guidance / regulatory engagement e.g. with MHRA

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Responsible Innovation



Science...

- raises questions and dilemmas,
- is often ambiguous in terms of purposes and motivations
- unpredictable in terms of impacts, beneficial or otherwise



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Responsible Innovation

“Responsible innovation means taking care of the future through collective stewardship of science and innovation in the present.” [Source: 2013: Stilgoe, Owen and Macnaghten](#)

- ■ ■ Is the topic you are researching potentially controversial?
- ■ ■ Is there a significant ethical or moral component?
- ■ ■ Are there trust, social acceptability issues for your research?

What resources can I request?

- ■ ■ Support to inform your approach to [EPSRC's AREA](#) framework
- ■ ■ Support to understand potential public concerns and engage with these issues in an ongoing way

Further questions and enquiries can be sent
to:

healthcare@epsrc.ac.uk

Or contact a member of the Healthcare team

[see here](#)

