

**Paper Ref: NIB 0403-010**

**BOARD PAPER – National Information Board Leadership Meeting**

**MARCH 2015**

**Title:** Work stream 5: Bring forward life saving treatments and support innovation and growth

**Purpose of paper:**

- To outline objectives and plans of the work stream

**Actions required by the Leadership Group:**

- To note this report
- To ratify the plans set out in this paper

## CONTEXT AND OBJECTIVES

1. The objective of the work stream is to establish the UK as a world-leading centre for innovation in digital health, capitalising on health data to make treatments available in a more accessible and timely manner.
2. It is anticipated that delivering the actions proposed will lead to the following benefits:
  - new, more effective treatments for patients
  - growth of a UK digital health industry and new opportunities for existing life science companies
  - efficiencies for the health and social care system as new technologies enable new care pathways.
3. The work stream will be responsible for the commitments set out in Chapter 9 (pages 44-46) the National Information Board Framework:
  - NHS England and Department of Health (DH) will set up a working group with Genomics England, the Health and Social Care Information Centre (HSCIC) and other relevant scientific bodies to ensure that the NHS is capable of supporting the future agenda on genomics and molecular pathology datasets at scale, building on the current programme to sequence 100,000 whole human genomes.
  - DH will work with industry representatives, the Academic Health Science Networks(AHSNs) and Academic Health Science Centres, the NIB and cross-government partners to develop an industry strategy describing how:
    - a) the health and care system will work to encourage partnership with the consumer digital and data industries;
    - b) barriers to innovation will be removed;
    - c) data services will be developed to support discovery science;
    - d) real-world evidence can be used to support the discovery and development of new medicines and treatments;
    - e) an online 'matching' service will be developed that will offer health and care organisations and suppliers (particularly small and medium enterprises) the chance to share information about needs, requirements and offers.
  - DH will engage NIB members, industry, the research community and the public on the appropriate commercial arrangements for accessing and using data assets held by the HSCIC and other public bodies in the care sector, to ensure that these assets are used to the greatest advantage of the country as a whole while ensuring citizen concerns are addressed.
  - From April 2016 currently available Technology Funds, and any new ones, will be invested in innovative solutions, to support existing service

providers to implement significant service change, and to stimulate new offerings that enable integration and care coordination between services, where individual citizens and their carers through access to information are enabled active partners in their health and care.

- Further procurements under the General Practice Systems of Choice (GPSoC), up to April 2018, will be used to stimulate the supply of new and innovative systems for out-of-hospital services, with a particular focus on integrated care services and supporting citizens and carers. In addition new forms of 'software-as-a-service' clinical systems to support new providers of primary care services will be encouraged. NHS England and the HSCIC, in consultation with service users and suppliers, will publish a prospectus for these new requirements by June 2015.
- In partnership with the AHSNs, the London Health Commission, the HSCIC, NHS England and Public Health England (PHE) will together support the development of five further Technology for Care innovation centres, where possible based on existing, successful local centres, such as the Catapult centres.
- NHS England with other members of the NIB, including DH, will develop a small number of 'test bed' sites alongside our AHSNs. They would serve as real-world sites for 'combinatorial' innovations that integrate new technologies, bioinformatics, new staffing models and payment-for-outcomes. UK and international innovators will be able to bid to have their proposed discovery or innovation deployed and tested in these sites. We will involve frontline staff to an unprecedented extent in the design of innovations, and in implementing the necessary system changes.
- The NIB will explore the contribution of information and technology to the development of health and care 'new towns' announced in the Five Year Forward View.
- The NIB will work with Healthcare UK to agree a joint approach to developing commercial and international opportunities for exploiting the innovations and experience of using data and technology from across the English health and care system.
- Each of the members of the NIB have a key role in creating and supporting opportunities for innovation and stimulating demand for the adoption of new service models enabled by information technology and data. Monitor will play a key role in setting tariffs, which can be used in innovative ways to improve models of care, such as integrated care pathways. The new National Tariff System will enable future tariffs and payments to be more flexible and enable more cost-effective and efficient care. NICE will extend its guidance development programmes to further support innovation.

## WORK PLAN

4. The work stream will consult on and produce a road map to cover the following themes and actions:
  - Building an effective partnership with industry
  - Develop an industry strategy
  - Encourage partnership between the health and care system and the consumer digital and data industries
  - Online matching service for health and care organisations and suppliers
  - Agreed approach for international commercial opportunities.
  - Making the health and care system innovation-ready
  - Barriers to innovation will be removed
  - Evolve National Tariff System to take account of digital health and data
  - NICE guidance development programmes take account of digital health and data
  - Testing and scaling new innovations
  - Technology funds
  - Procurements under the General Practice Systems of Choice
  - Five further Technology for Care Innovation Centres
  - Test beds
  - New towns
  - Becoming a global leader in health data innovation
    - NHS is capable of supporting the future agenda on genomics and molecular pathology datasets
    - Data services will be developed to support discovery science
    - Real-world evidence can be used to support the development of new medicines and treatments
    - Commercial arrangements for accessing and using public data health assets
5. The leads for each action will analyse and produce a summary of:
  - What existing activity they are already pursuing which addresses the action?
  - How that compares with the scale of ambition set out in Personalised Health and Care 2020?
  - What further steps need to be taken to fulfil the ambition of Personalised Health and Care 2020?
  - Which stakeholders will need to be consulted?
  - What resources will be required to complete the action?
  - The timetable for completing the action including key milestones?
  - Any risks to completing the action and how they plan to mitigate these?
6. The roadmap will be produced for discussion at the June board meeting of the National Information Board.

## **GOVERNANCE**

7. The work stream is co-chaired by:

- Ian Hudson, Medicines and Healthcare products Regulatory Agency
- Will Cavendish, DH

8. The work stream is led by:

- Janet Valentine, Medicines and Healthcare products Regulatory Agency
- Nicole Mather, Office of Life Sciences

9. A programme board, drawn from National Information Board (NIB) members, including independent members and the clinical reference group, is being established to oversee the delivery of work stream. Members will include representatives of the following:

- NHS England
- Medicines and Healthcare products Regulatory Agency
- Health Research Authority
- Health and Social Care Information Centre
- NICE
- UKTI
- Healthcare UK
- Independent NIB member
- Clinical Reference Group

## **HIGH LEVEL CHALLENGES**

10. Ensuring the proposals are complementary and stakeholder engagement achieves the necessary insight and ownership.

11. A register of detailed project risks is being managed by the work stream programme office.

## **DECISIONS REQUIRED OF THE LEADERSHIP GROUP**

12. Work stream 5 requests the Leadership Group make the following decisions:

**Ratify the plans set out in this paper**