NHS
Health Education England

The Topol Review
Preparing the healthcare workforce
to deliver the digital future

Board Terms of Reference

1. Aim
The Board will advise on

• how technological and other developments (including in genomics, artificial intelligence, digital and robotics) are likely to change the roles and functions of clinical staff in all professions over the next two decades to ensure safer, more productive, more effective and more personal care for patients;

• what the implications of these changes are for the skills required by the professionals filling these roles, identifying professions or sub-specialisms where these may be particularly significant;

• the consequences for the selection, curricula, education, training, development and lifelong learning of current and future NHS staff.

2. Background
The Technology Review was announced in December 2017, defined as a key deliverable within the draft health and care workforce strategy for England to 2027.[1]

This game changing pace of development in relevant technologies such as genomics, machine learning and artificial intelligence, digitalisation and data analytics, bionanotechnology and robotics means they will form a key part of the future NHS. To enable NHS staff to make the most of these opportunities to improve services and help ensure a sustainable NHS, the Secretary of State for Health is commissioning a major independent review, led by Professor Eric Topol and facilitated by HEE.

3. Duties and Responsibilities
The Board is responsible for overseeing the conduct and ensuring the timely delivery of the independent Technology Review

- appointing Expert Advisory panels to lead the work
- agreeing the methodology
- monitoring progress
- approving stakeholder engagement and communications
- approving the draft
- approving the final report and recommendations

4. Governance
Health Education England (HEE) is responsible for facilitating the work.

The review will be overseen by Patrick Mitchell - Senior Responsible Owner, Regional Director – South, Health Education England, who will make regular progress reports to key stakeholders including within the Department of Health and HEE Executive.

5. Leadership
The Secretary of State has appointed Professor Eric Topol to lead the Review.

6. Membership

Dr. Eric Topol	Chair; Technology Review Lead
Dr Hugh Harvey	Co-Chair, Expert Advisory Panel – Artificial Intelligence
Prof. Mihaela van der Schaar	Co-Chair, Expert Advisory Panel – Artificial Intelligence
Prof Rachel McKendry	Co-Chair, Expert Advisory Panel – Digital medicine
Prof Lionel Tarassenko	Co-Chair, Expert Advisory Panel – Digital medicine
Prof. Mark McCarthy	Co-Chair, Expert Advisory Panel – Genomics
Prof. Sir Nilesh Samani	Co-Chair, Expert Advisory Panel – Genomics
Prof Trudie Roberts	Senior Educationalist
Prof Luke Vale	Health Economist
Patrick Mitchell	Senior Responsible Owner, HEE
Sue Lacey Bryant	Topol Review Programme Manager, HEE

Dr.David Cox, Dr. Tahreema Matin and Dr. Zoe Brummel, the clinical fellows for each Panel will also be in attendance, invited to contribute to the Board's thinking as helpful.

7. Outputs
- Interim review report to the Secretary of State for Health by June 30 2018
- Final review report to the Secretary of State for Health by December 31 2018

8. Administrative and project support
The programme project lead will take the minutes and record decisions. Further administrative support will be provided through a central team.

9. Frequency of meetings
The Board will meet principally by skype with occasional face to face meetings.

The expectation is to hold four Review Board meetings in the first phase: a skype meeting on February 21st, meeting face to face in April and via skype in May and June.

10. Declarations of interest
Board members will be expected to adhere to the NHS Code of Accountability and the Nolan Principles of Public Life. Members will ensure that potential conflicts of interest are identified, declared and managed appropriately.

11. Approval of Terms of Reference

Approved by Prof Eric Topol, Chair; Technology Review Lead:

Approved Date: 21st February 2018