



WESTMINSTER
HEALTH FORUM

Next steps for Big Data in health: innovation, challenges and the policy landscape 22nd February 2018

CONDITIONS FOR USE OF TRANSCRIPTS:

This document is intended to provide a timely reference for interested parties who are unable to attend the event to which it refers. Some portions are based on transcripts of proceedings and others consist of text submitted by speakers or authors and are clearly marked as such. As such, apart from where it is indicated that the text was supplied by the speaker, it has not been possible for the transcript to be checked by speakers and so this portion of the document does not represent a formal record of proceedings. Despite best endeavours by Westminster Forum Projects and its suppliers to ensure accuracy, text based on transcription may contain errors which could alter the intended meaning of any portion of the reported content. Anyone who intends to publicly use or refer to any text based on the transcript should make clear that speakers have not had the opportunity for any corrections or check first with the speaker in question. If in doubt please contact the forum first.

Contents

<u>About this Publication</u>	3
<u>Agenda</u>	4
<u>Chair's opening remarks</u>	
Baroness Jolly , Liberal Democrat Lords Spokesperson for Health (<i>transcript</i>)	6
<u>Latest thinking on the role of Big Data in the NHS</u>	
Professor Daniel Ray , Director of Data Science, NHS Digital (<i>transcript</i>)	7
Questions and comments from the floor (<i>transcript</i>)	12
<u>The developing role of Big Data, analytics and data sharing in health</u>	
Professor Peter Knight , Chief Information & Digital Officer, Oxford University Hospitals NHS Foundation Trust and Senior Fellow, Nuffield School of Medicine and Population Health, University of Oxford (<i>transcript</i>)	13
Gary Leeming , Director of Informatics, Greater Manchester Academic Health Science Network and Chief Technology Officer, Connected Health Cities (<i>transcript</i>)	15
Richard Stephens , Patient Representative, Access Review Committee, Genomics England; Chair, NCRI Consumer Forum and Patient Representative, Cancer Taskforce (<i>transcript</i>)	17
Dr Shahid Hanif , Head of Health Data & Outcomes, ABPI (<i>transcript</i>)	19
Questions and comments from the floor with Professor Daniel Ray , Director of Data Science, NHS Digital (<i>transcript</i>)	21
<u>Case studies: applying innovation to health settings</u>	
<u>Improving hospital productivity through Artificial Intelligence</u>	
Dr Oliver Bernath , Partner, Consulting Data Analytics, PwC and Honorary Consultant Neurologist, Guy's and St Thomas' NHS Foundation Trust (<i>transcript</i>)	30
<u>Precision medicine and delivering individualised treatments</u>	
Professor Angela Douglas , Clinical Programme Director, North West Coast Genomic Medicine Centre, Liverpool Women's NHS Foundation Trust (<i>transcript</i>)	33
<u>Informing value-based healthcare using Big Data analytics</u>	
Dr Rupert Dunbar-Rees , Founder and Chief Executive, Outcomes Based Healthcare and NHS Innovation Fellow, NHS England (<i>transcript</i>)	36
Questions and comments from the floor (<i>transcript</i>)	38
<u>Key challenges for wider adoption</u>	
<u>Data protection and the incoming EU General Data Protection Regulation (GDPR)</u>	
Hazel Grant , Partner and Head of Privacy, Security and Information, FieldFisher (<i>transcript</i>)	44
<u>Data use and patient trust</u>	
Chris Carrigan , Chair, Independent Group Advising on the Release of Data (IGARD), NHS Digital; Founding Member, National Cancer Intelligence Network (NCIN) and Expert Data Advisor, use MY data (<i>transcript</i>)	47
<u>Tackling the skills gap in health informatics</u>	
Dr Harpreet Sood , Associate Chief Clinical Information Officer, NHS England and Lead, NHS Digital Academy (<i>text to be submitted by speaker</i>)	50
<u>Infrastructure and interoperability</u>	
Andrew Fenton , Associate Director, Digital Transformation, NHS South, Central and West Commissioning Support Unit (<i>transcript</i>)	51
Questions and comments from the floor (<i>transcript</i>)	54
<u>Making the best use of data to tackle the challenges of today's NHS</u>	
Dr Geraint Lewis , Chief Data Officer, NHS England (<i>text to be submitted by speaker</i>)	59
Questions and comments from the floor (<i>transcript</i>)	60
<u>Chair's and Westminster Health Forum closing remarks</u>	
Baroness Jolly , Liberal Democrat Lords Spokesperson for Health (<i>transcript</i>)	64
Sam Dolton , Senior Producer, Westminster Health Forum (<i>transcript</i>)	65
<u>Press Links</u>	66
<u>Comments</u>	67
<u>List of Delegates Registered for Seminar</u>	69
<u>Contributor Biographies</u>	76
<u>About the Core Sponsors of the Westminster Health Forum</u>	79

Please be advised that speakers' PowerPoint presentations are included within the transcript itself, just beneath the relevant speaker's text. Please note that not all speakers are able to grant permission for us to include their slides.

About this Publication

This publication reflects proceedings at the Westminster Health Forum Keynote Seminar: Next steps for Big Data in health: innovation, challenges and the policy landscape held on 22nd February 2018. The views expressed in the articles are those of the named authors, not those of the Forum or the sponsors, apart from their own articles.

Although Westminster Health Forum is grateful to all sponsors for the funding on which we depend, participation in events and publications is never conditional on being a sponsor. As well as funding ongoing operations, sponsorship enables the Forum to distribute complimentary copies of publications, and offer complimentary tickets for events, to Government ministers, parliamentarians and officials most involved in policy.

This publication is copyright. Its copying, in whole or in part, is not permitted without the prior written consent of the publishers. However, extracts of the text may be reproduced for academic or review purposes, subject to the conditions of use outlined in the previous page, providing they are accurate, are not used in a misleading context and the author, their organisation and the Westminster Health Forum are acknowledged. We would also appreciate being informed.

Westminster Health Forum

UK Headquarters
4 Bracknell Beeches
Old Bracknell Lane West
Bracknell
Berkshire RG12 7BW

T: 01344 864796
F: 01344 420121
publications@westminsterforumprojects.co.uk

Directors

Peter van Gelder
Chris Whitehouse