Faculty of Clinical Informatics
Annual Scientific Conference
Patient Data – Artificial Intelligence – Digital Training

Thursday 16th June 2022         Virtual Conference

Speakers include:
Dr Natasha Phillips
National
Chief Nursing
Information Officer
NHS England

Dr Julian Brown
GP & Eclipse Clinical Lead
National Medicines
Optimisation Service (NMOS)

Professor Bob Wachter
Chair Dept of Medicine,
University of California,
San Francisco

Supporting Organisation:
This year the 2022 FCI Scientific Conference is focused on two key themes:
1) Data in Healthcare: The dilemmas of ownership, confidentiality, and cybersecurity;
2) Clinical AI in the NHS: What is going on now?

Confirmed speakers to date are -
Justin Whatling, Palantir Technologies
Phil Booth, medConfidential
Julian Brown, National Medicines Optimisation Service (NMOS)
Sue Turner, AI Governance Limited and Chair of Trustees, Faculty of Clinical Informatics
Giuseppe Sollazzo, AI Skunkworks & Deployment, NHSX

Prof Bob Wachter, University of California, San Francisco has agreed to be our International Guest Speaker and he and Rachel Dunscombe, NHS Digital Academy Leadership Programme and Principal at Tektology will be discussing “Do All Informaticians now need a ‘Driving Licence’ for Health Informatics? “

In addition we will be providing presentations from the 12 best submitted abstracts as podium presentations and over 30 ePosters highlighting the best of the research work in digital health emanating from our researchers innovating at the front line.

Please join us for this exciting programme in June 2022.

Angus Wallace, Chair, Events Organizing Committee, Faculty of Clinical Informatics UK (2019-23)

Follow the conference on Twitter #UKFCI2022

Delegates attending the 2021 event said -
“This was an excellent conference maintaining high quality throughout. I don’t think that there was a single session that was not engaging and providing learning - including topics that I would not normally seek out. A lot of energy and enthusiasm - great to see especially considering the effects of pandemic + lockdown. If would be fantastic if FCI can maintain this very high standard.”

“Having experienced what other people are doing in regards with Artificial Intelligence (AI), CDS and how IT was used in Covid-19 response it gave me a better idea about how to successfully approach potential healthcare challenge, while at the same time avoid failures.”

“It is inspiring to hear all the work that clinical informaticians around the world have been doing.”

“Good showcase of what is possible and opportunity for those just starting out to begin to bond...Great work remains to be done, and we need conferences like this to build and restore the faith that it is possible.”

“It has both broadened and deepened my knowledge across all aspects of clinical informatics and AI.”
08.25  Conference Waiting Room Opens

08.30  Conference Welcome
       Jo Dickson  Chief Nurse, NHS Digital

08.35  The role and importance of Digital Information for Nursing in the NHS
       Dr Natasha Phillips
       National Chief Nursing Information Officer
       NHS England

08.50  Questions & Answers

08.55  What is the role of the public in opening up NHS data to wider uses in life sciences?
       Discussion Leads
       Dr Justin Whatling  Managing Director
       Global Health and Life Sciences Palantir Technologies
       Phil Booth  MedConfidential

       Considering public trust in a time of politics and what constitutes trustworthy governance, what are the opportunities enabled by informatics and for 21st Century institutions because technology only gets you so far... 'We Need To Talk About Data'.

09.30  Questions & Answers

09.35  Short Comfort Break

09.40 - 10.30  Instructional Courses

**Instructional Course 1**
Implementing the Core Competency Framework Course
Chair and Speaker:
Dr Alan Hassey  FFCI, Chair, FCI Education and Standards Standing Committee
Speakers:
John Williams  FFCI, FCI Trustee

This session from the Education & Standards SC will provide an update on the key tasks coming out of the Competency Framework Working Group Report and the membership survey supporting our professionalism agenda, with examples from specific projects.

**Instructional Course 2**
Improving efficiency, safety and patient experience through the use of real time analytics
Chair Claire Buchner  FFCI, Assistant Director Digital Health & Nursing Public Health Agency, Digital Health and Care Northern Ireland
Speakers
James Bird  FFCI, Chief Nursing Information Officer Imperial College Healthcare NHS Trust
Jane Brady  Senior Lead Nursing Informatics Specialist Betsi Cadwaladr University Health Board
Jo Dickson  Chief Nurse, NHS Digital

As organisations work to re-imagine themselves, the role of the nursing informatics professional is expanding, this session will give the opportunity to discuss:
• Data analytics and the use of nursing and midwifery data
• Nurses and Midwives in the design and development of digital services, using examples of the implementation of virtual wards during the Covid-19 pandemic

**Instructional Course 3**
Introduction to user-centred design for AHPs
Chair Alex Wilson  Head of HealthTech
Surrey and Borders Partnership NHS Foundation Trust
Speakers:
Alex Vaughan  Healthtech Clinical Business Analyst & Solutions Designer
Nadia Kuftinoff  User Researcher and Solutions Designer
Hannah Mitchell  User Researcher and Solutions Designer
Melissa Andison  AD of Clinical Digital Experience and Associate CCIO
Surrey and Borders Partnership NHS Foundation Trust

This session from the AHP special interest group will introduce to AHP the concepts and tools of user centred design. This session we will highlight how AHP informaticians can incorporate user centred design into their approach.

10.30  Guest Lecture
Dr Julian Brown
GP & Eclipse Clinical Lead
National Medicines Optimisation Service (NMOS)

• Using AI to digitally manage diabetes – how it works
• How this is being applied to other patient pathways

11.10  Discussion followed by Comfort Break, Virtual Exhibition and Networking
11.40 A national survey of the current provisions, perceptions and challenges regarding digital health education in the UK medical undergraduate curriculum

Nishita Gadi
Medical Student, Faculty of Digital Health; Nuffield Department of Surgical Sciences, University of Oxford

11.50 Evaluation of a telemedicine model to deliver cataract care using imaging technology instead of traditional F2F pathways

Pei-Fen Lin
Consultant Ophthalmologist, Moorfields Eye Hospital

12.00 Development and evaluation of a machine learning model to predict positive urine cultures in the outpatient setting and minimize the use of antibiotics

Farah E Shamout
Assistant Professor, New York University Abu Dhabi

12.10 Evaluation of MaST (Management and Supervision Tool) to support NHS Community mental health teams in identifying Risk of Crisis and Complexity across caseloads

Caroline Gadd
Director, Holmusk

12.20 Questions and Answers on ePapers 1-4

12.30 - 13.30 Lunch Break, Virtual Networking, Questions with ePoster Presenters

13.30 Chair Introduction to the Session

Sue Turner OBE
Director AI Governance Limited & Trustee Chair FCI UK

13.35 AI Innovation in Dentistry

Prof Falk Schwendicke
W3-Professor for Oral Diagnostics, Digital Health and Health Services Research, Charite University Hospital Berlin

- Dentistry is a prototype of a medical discipline rich in data
- AI is already actively taken up in dental practices, mainly in image analysis
- Current trends focus on predictive AI for dental applications

13.50 Building AI expertise and capabilities

Giuseppe Sollazzo
Deputy Director NHS AI Lab, Head of AI Skunkworks & Deployment
NHS Transformation Directorate | NHS England and NHS Improvement

The AI Skunkworks was set up to provide AI expertise and improve the capability of health and care workers in adopting and experimenting with data-driven technologies by running short projects that look at how to address local needs by developing AI-driven solutions. In this session, Giuseppe Solazzo, Head of AI Skunkworks and Deployment at the NHS AI Lab will outline what has been learnt so far through these projects and what it means for how health and care organisations build, buy, deploy and challenge AI solutions.

14.05 Clinical AI: successes and failure

Jeremy Wyatt
FCI AI Special Interest Group (SIG)

- Clinical AI covers many technologies adopted by the NHS such as nurse rostering, transcription, robotics, image analysis and decision support
- Key reasons for technology failure include misunderstanding user problems and not evaluating throughout project lifecycles
- Close collaboration between clinicians and technologists can be challenging but is the secret to successful projects

14.20 Panel Discussion with Questions and Answers
14.30 - 15.20 Scientific ePaper Presentations 5-8

Session Chair
Dr Kieran Zucker  NIHR Clinical Lecturer, University of Leeds; and Honorary Clinical Oncology Registrar, Leeds Teaching Hospitals NHS Trust

14.30  Usability and acceptability of wearable technology in the early detection of dementia
Sarah Wilson
Research Assistant, Newcastle University

14.40  Digital transformation of the acute medical take – improving standards of care
Helen Craggs
Clinical Fellow, Royal Bolton Hospital

14.50  Woubot and TRUST4Health; predictive personalised AI tools for front line clinicians
Elaine Taylor-Whilde
CEO, Nine Health Global Ltd

15.00  The limitations of using commercial wearable activity trackers, such as FitBits, for the clinical monitoring of patient activity levels
Olivia Curtis
Clinical Research Fellow, Royal Marsden Hospital

15.10  Questions and Answers on ePapers 5-8

15.20 - 15.30  Comfort Break

15.30 - 16.20  Instructional Courses

Instructional Course 4
What does the adoption of AI mean in practice for the healthcare workforce

Chair: Jennifer Hall  Senior Data Scientist, NHS AI Lab
Speakers: Dr Mike Nix  Principal Clinical Scientist (R&D), HEE and NHS AI Lab DART-Ed Clinical Fellow, NHS Topol Fellow
Clare Verill  Associate Professor in Pathology, Nuffield Department of Surgical Sciences, University of Oxford and Honorary Consultant in Cellular Pathology, Oxford University Hospitals NHS Trust
Tom Lane  Data Scientist, Gloucestershire Hospitals NHS Foundation Trust

As the scale of adoption of AI-driven technologies accelerates, health and care professionals will need to be empowered to make the most of these new tools. It will also be crucial that we develop the appropriate levels of confidence in AI amongst the workforce so that these technologies are used safely and ethically. In this session you will hear from those with first hand experience of adopting and using AI-driven technologies in their organisations about the impact they have had on the way they deliver care, as well as the work to develop HEE’s skills and capabilities framework which will support the upskilling of the workforce.

Instructional Course 5
Measuring demand in general practice – a view from three countries

Chair: Dr Neill Jones  Senior Clinical Advisor, NHS Digital
Speakers: Miriam Lenmar  Chair BCS Primary Health Specialist Group
Dr Stephen Black  Freelance Data Scientist, Chief Data Analyst, AskmyGP and well known commentator
Dr Kees van Boven  A retired GP; Researcher, University of Amsterdam, the Dutch College(NHG), the Department of Primary and Community Care, Radboud University; and member of the WONCA* International Classification Committee who with colleagues, led the development of ICPC-3(International Classification of Primary Care).

The focus of his research is “what are the reasons (RFE)” for entering health care and how can ICT in the field of medicine support the patient in self-management.

Dr Diego Schrans  GP; Researcher, Department of Public Health and Primary Care, Ghent University; and Chair, WONCA International Classification Committee (WICC)

Kees and Diego will be sharing their work on reasons for encounter, applying the data and managing patient expectations.

Demand in general practice is at an all-time high and general practice is feeling completely swamped. We asked the question, do we have any data that highlights how demand is made up? Have you got examples of where you’ve measured it and how you’ve measured it?

During this session we will feedback on what we learnt, what some data can tell us about demand and hear about the great work being done in the Netherlands and Belgium on reason for encounter.

Instructional Course 6
Building a multi professional clinical informatics team for health and social care

Chair: Anne Marie Cunningham
Vice Chair, FCI Council, Associate Medical Director (Primary Care)
Digital Health and Care Wales
Speakers: Christopher Tack
AHP Information Officer, Guys and St Thomas’ NHS Foundation Trust
Sara Nelson
Deputy CNIO (Chief Nursing Information Officer), NHSEI
Sarah Thompson
CCIO, Stockport NHS Foundation Trust
Doug Stewart
Director of Health & Chief Clinical Officer SAPB Digital
Mark Nicholas
Chief Social Worker and Social Care Lead, NHS Digital
Jules Gudgeon
National Digital Midwife Lead for Maternity, NHSEI

To achieve the digital transformation required in health and social care it is vital to have the right people in place, working together, to deliver change. Building multi professional teams based on competencies, and a culture of ongoing professional development, ensures the whole team has the breadth of knowledge and the capabilities required to meet the demands. In this session we will explore the challenges that individuals and organisations are facing in their clinical informatics teams, & real-life experiences that have led to success.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>16.20</td>
<td>Free text notes added to a patient’s allergy status in Electronic prescribing systems digitally analysed for better usability</td>
<td>Ben Logan, Clinical Informatics Pharmacist, St. Helens and Knowsley Teaching Hospitals</td>
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<tr>
<td>16.30</td>
<td>Healthcare staff perceptions on using artificial intelligence predictive tools: A qualitative study</td>
<td>Nehal Hassan, PhD researcher, School of Pharmacy, Newcastle University</td>
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<tr>
<td>16.40</td>
<td>The Documentation of Allergy across Electronic Systems for patients presenting to Emergency Departments in Leeds</td>
<td>Jack Bennett and Madeleine Salter, Medical students (4th year), University of Leeds</td>
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<tr>
<td>16.50</td>
<td>Reduction of Order Alerts through Filters: Impact on Pharmacists’ Override Rate and Perceptions of Alert Fatigue</td>
<td>Daniel Chan, Pharmacist, North York General Hospital (Toronto, Ontario, Canada)</td>
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<tr>
<td>17.00</td>
<td>Questions and Answers on ePapers 9-12</td>
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<td>17.10</td>
<td>International Prestigious Lecturer</td>
<td>Prof Bob Wachter, Chair Dept of Medicine, University of California, San Francisco In Conversation with Rachel Dunscombe, NHS Digital Academy Leadership Programme and Principal Tektology</td>
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<tr>
<td>17.40 - 17.50</td>
<td>Presentation from FCI Chair &amp; ePaper/ePoster Awards</td>
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<td>17.50</td>
<td>Meeting Close</td>
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Supporting Organisations

[Logo for FEDERATION for INFORMATICS PROFESSIONALS]
Digital Health Safety Matters: Early insights from a promising practice study in Australia
Melissa Andison
Associate CCIO
Surrey and Borders Partnership NHS Foundation Trust

The data literacy learning and development needs of occupational therapists
Suzy England
Professional Adviser in Health Informatics
Royal College of Occupational Therapists

Thematic review of medication-related incidents at a major teaching hospital and the potential mitigation of these incidents with electronic prescribing and medicines administration
Adam Khimji
Research Associate / Clinical Transformation Lead for Digital Medicines
University of Nottingham / Birmingham Community Healthcare NHS Foundation Trust

A friendly accessible description of The “L-test” – measuring (dis)information in incomplete incident reporting
Dr Keith Reid
Associate Medical Director; Doctoral Student; Visiting Fellow; Consultant Forensic Psychiatrist; Software Developer
CNTW NHS Foundation Trust; Northumbria University.

An evaluation of OT focused digital assessment and deployment for patients established it is urgently required but overwhelmed by different competency frameworks
Alicia Ridout
Director/Independent Occupational Therapist
Involve Me Digital Health Ltd

Evaluation of a smart wristband developed to detect close proximity between individuals during the Covid-19 pandemic
Alicia Ridout
Director/Independent Occupational Therapist
Involve Me Digital Health Ltd
& Professor Susan Grant-Muller
Professor of Technologies and Informatics at the Institute for Transport Studies, University of Leeds and a Fellow of the Alan Turing Institute

Electronic recording of Patient Observations with safety functionality in the Electronic Health Record (EHR) for the Children’s Hospital at in Leeds
Michelle Sykes
Senior Project Nurse
and Samuel Smales
Project Support Officer
Leeds Teaching Hospitals Trust

Implementing SNOMED CT in the Oxford Royal College of General Practitioners Clinical Informatics Digital Hub (ORCHID) Some problems encountered and lessons learned
John Williams
FFCI, FCI Trustee
## Conference Registration

### FCI Annual Scientific Conference
**Thursday 16th June 2022**

**Virtual Conference**

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[Post this form to Healthcare Conferences UK](#)

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Please write your address clearly as confirmation will be sent by email, if you prefer confirmation by post please tick this box. Please also ensure you complete your full postal address details for our records.

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Please note if you are requesting an invoice, many NHS organisations now require a Purchase Order Number to be provided. If you do not provide this number, this may slow down the processing of this delegate place.

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By completing this form you are accepting the terms and conditions below.

- **Name**
- **Signature**
- **Date**

### Instructional Courses Choices - Please tick one stream/workshop per time slot

<table>
<thead>
<tr>
<th>Time</th>
<th>Course 1</th>
<th>Course 2</th>
<th>Course 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.40 - 10.30</td>
<td>Core Competency Framework, Nursing Informatics</td>
<td>Digital support for GPs, Social Media &amp; AHPs</td>
<td>Building a multi-professional clinical informatics team</td>
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<tr>
<td>15.30 - 16.20</td>
<td>AHPs, Social Media &amp; Twitter</td>
<td>Digital support for GPs, Social Media &amp; AHPs</td>
<td>Building a multi-professional clinical informatics team</td>
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### Venue

This virtual conference will include access to the virtual event on Zoom plus the landing page which will provide you with the full conference experience from your workplace or home.

**Conference Fee**

- £100 + VAT (£120.00) for FCI Members
- £180.00 + VAT (£216.00) for Non Members
- £250.00 + VAT (£300.00) for Commercial Organisations
- £90.00 + VAT (£108.00) for Students

25% discount for accepted posters on above rate

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### Confirmation of Booking

All bookings will be confirmed by email, unless stated otherwise. Please contact us if you have not received confirmation 7 days after submitting your booking. The access code for the virtual portal will be sent one week before the conference.

### Exhibition

If you are interested in exhibiting at this event, please contact Carolyn Goodbody on 01932 429933, or email carolyn@hc-uk.org.uk.

### Credits

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