

## Health Service Modelling Associates (HSMA) Round 3: Final Presentation Event

29<sup>th</sup> September 2021, 09:30 – 12:00

### Itinerary

09:30 – 09:45	<b>Welcome and Overview of HSMA 3</b> Dr Daniel Chalk, HSMA Programme Lead
09:45 – 10:00	<b>HSMA Presentation 1: Developing a generic vaccination service model for the COVID-19 pandemic and beyond</b> Dr Adam Kwiatkowski – GP and Clinical Director, Torridge Primary Care Network
10:00 – 10:15	<b>HSMA Presentation 2: What are they saying about us? An AI tool to determine the sentiment of tweets to police forces across the country, and what people are talking about</b> Mike Hill – Analyst, Avon and Somerset Constabulary
10:15 – 10:30	<b>HSMA Presentation 3: Modelling strategies to reduce the elective backlog in hip surgery</b> Claire Rudler – NHS Devon CCG Matt Smith – Information Analyst, NHS Devon CCG Imca Hensels-Pelling – Information Analyst, Royal Devon and Exeter NHS Foundation Trust Zoe Ficken – Senior Information Analyst, Royal Devon and Exeter NHS Foundation Trust
10:30 – 10:40	Comfort Break
10:40 – 10:55	<b>HSMA Presentation 4: Using Network Analysis and Natural Language Processing to better understand the relationships between offenders and their victims</b> Jenna Thomas – Strategic Analyst, Devon and Cornwall Police Charly Bartlett – Analyst, Devon and Cornwall Police Neil Mitchell – Business Intelligence Developer, Devon and Cornwall Police
10:55 – 11:10	<b>HSMA Presentation 5: Simulation Modelling to test proposed models of paediatric critical care in South West England</b> Adam Scull – Transformation Intelligence Manager, NHS England and NHS Improvement
11:10 – 11:25	<b>HSMA Presentation 6: Exploring the use of Machine Learning and Natural Language Processing to teach a machine to predict whether a patient is likely to be imminently admitted to hospital based on GP data and clues in GP notes</b> Dr Adam Kwiatkowski – GP and Clinical Director, Torridge Primary Care Network Prof Mona Nasser – Associate Professor of Evidence Based Dentistry, Peninsula Dental School Imca Hensels-Pelling – Information Analyst, Royal Devon and Exeter NHS Foundation Trust
11:25 – 11:55	<b>Breakout Sessions</b> Breakout room for each HSMA project to allow attendees to chat directly with HSMAs about their work, explore options for translating their work to other organisations, etc.
11:55 – 12:00	Closing Comments