

Connected and Personalised Healthcare

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Purpose of document	Description of Roma Maguire presentation on personalised healthcare
Event detail (delete row if appropriate)	Presentation by Roma Maguire about personalised care
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Related projects	Names and doc reference numbers
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Connected and Personalised Healthcare

Last week Sanna and Laura had the pleasure of attending a presentation by Roma Maguire, professor of cancer care and head of eHealth research at the University of Surrey. Roma spoke about the need for personalised care to be more holistic instead of focussing solely on biomedical outcomes. Connected health is an ecosystem of care with the right information offered to people at the right time. Central to this ecosystem is ICT which allows for information to flow seamlessly through health and social care, offering a much more robust service. Through this shifting of responsibilities, Roma envisions a future where hospital care is the domain for the seriously ill and an emphasis is placed on communities to share the extra workload. Roma works at the 5G Innovation Centre in Surrey which focusses on mobile technologies and aims to offer a dense communication network to allow even the most remote areas to be connected.

Roma spoke of the projects she is currently working on, one of which is TIHM (technology-integrated health management) for Dementia, funded by Innovate UK, University of Surrey and NHS England. This is a living lab which works with those with early stage dementia and their families to get solutions deployed on a national level. Within dementia care, this project is a first as it aims to ascertain if technology placed in the home can improve the person's quality of life as they progress through dementia. Another project, eSMART is a remote monitoring service for cancer patients to stratify those at risk of chemotherapy toxicity using self-reported outcomes and predictive analytics. This is a RCT spanning five European countries and the trial was designed to incorporate a six month 'sprint' prior to commencing to ensure the provisional variables were acceptable to deliver the desired effects.

Overall, it was a really enjoyable talk and highlighted the potential of digital health within a clinical setting. The projects Roma is involved in could pave the way for other clinical digital health innovations to be validated and tested efficiently with stakeholder buy-in from the outset, ensuring products and services are taken up by the health and social care services more effectively.