

P0818

Paper Poster Session IV

Healthcare-associated infection epidemiology and control

NHS Scotland Infection Intelligence Platform (IIP): improving patient outcomes through improved informatics

C. Marwick^{1,2,3}, D. Nathwani^{1,3}, W. Malcolm², M. Bennie^{2,4}

¹*Ninewells Hospital & Medical School, Dundee, United Kingdom*

²*NHS Services Scotland, Edinburgh, United Kingdom*

³*University of Dundee, Dundee, United Kingdom*

⁴*Strathclyde University, Glasgow, United Kingdom*

Background and Aim

Community and healthcare associated infections are a significant health burden and are a priority for the National Health Service (NHS) in Scotland. NHS National Services Scotland (NSS) currently hosts a wide range of infection related data on behalf of NHS Scotland. The NHS Scotland Infection Intelligence Platform (IIP) is being developed to improve patient outcomes and reduce harm from infection through innovative data integration to support clinicians across the NHS in Scotland.

Methods

The IIP will support clinicians by providing integrated information on infection (for example by combining risk factors, demographics, healthcare activity, medicines use and clinical data) by linking together the many strands of national and local infection information collected across NHS Scotland. NSS has been tasked with the development and implementation of IIP and is supported by a broad coalition of clinicians and national stakeholders.

What this will mean for clinicians and patients

Better use of our national and local data through a “collect once and use often” approach will enable better, faster and more efficient information provision to clinicians to improve care, reduce harm and reduce variation across NHS Scotland. The attached case vignette details the type of questions the IIP will be able to answer to support clinicians to provide safe, effective and patient centered care.

What this will mean for the service and Scotland

The creation of the first Infection Intelligence Platform in the UK is an exciting innovation in the prevention and treatment of infection and confirms Scotland's position as a world leader in healthcare informatics.
