Transformational Change in Cancer through Intelligence - the IHDP Vision

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IHDP High Level Aims

- To harness and promote healthcare informatics to deliver value to patients, healthcare professionals and the NHS through collaboration with academia, industry and the third sector.

- To act as a ‘translational hub’ between informatics and the NHS, Government, patients and citizens in Scotland.

- To describe and demonstrate the benefits of achieving a Nationwide Learning Health System.

- As a first priority to develop a national cancer data infrastructure for Scotland, linking primary, secondary, and ultimately social, care data to improve patient outcomes. This is the demonstrator workstream to inform the application of the IHDP’s approach to other conditions.
Cancer mortality\(^1\) in Scotland, UK and EU 1990-2010
Age-standardised mortality rate per 100,000 population (using ESP1976\(^2\))

Source: WHO/Europe and ScotPHO, Scotland and European HfA Database 2012
1. All cancers (ICD-10 C00-C97)
2. 1976 version of the European Standard Population
IHDP

Opportunity for NHS Scotland to build on recent developments/investments in

- Informatics
- Data analytics
- Digital health
- Genomics
- Stratified medicines

Data virtualisation

- A modern approach to data integration where silos of data are integrated without moving or duplicating the data
- Presents data as a virtual layer that is independent of the underlying system
Data Virtualisation Example – Cancer Data

Scottish Cancer Intelligence Framework (SCIF)

Fully joined up data for discussion and sharing

(re)shape clinical care/government policy/research