Better Knowledge
Better Society

Administrative data & record linkage: Making better use of resources available
Dermot O’Reilly
Layout of presentation

• Data and Record linkage in Northern Ireland
  – Health related data
  – Census-based studies
  – Administrative Data Research Network

• Research

• Lessons learned
  – Making better use of resources available
The Northern Ireland Longitudinal Study

Structure of the NILS

- Contextual data:
  - 1991 Census
  - 2001 Census
  - 2011 Census
  - Household Characteristics
  - Area Characteristics
  - Property Characteristics

- NILS Core data:
  - Health Card registrations (includes new members)
  - NILS databases

- Events:
  - Vital events: births, deaths
  - Migration data
  - Individual project datasets
  - For Distinct Linkage Projects Health & Social Care data can be securely linked to NILS (using one-way encryption methods)
Administrative Data Research Network

- Education
- H.M.R.C.
- Benefits data (DSD/DWP)
- Criminal Justice System
- D.O.E
- Housing
- DARD

ADRC
Weekend death data for NHS England 'highly misleading'

8 hours ago

Claims that hospital patients in England are more likely to die at the weekend have been 'highly misleading' after a review of the data.
Figure 4: Age-standardised rate by country, deaths registered between 1981 and 2014

UK

Rate per 100,000 population

Source: Office for National Statistics, National Records of Scotland, Northern Ireland Statistics and Research Agency
Summary

• **We live in a very data-rich environment**
  – Talk to support teams

• **Getting access to the data is often onerous and slow**
  – Join a user group

• **For maximum results:**
  – Work with the data custodian and policy makers
Thank you:

Questions?

The future will be better tomorrow.

Dan Quayle