

Multimorbidity and Access to Social Care

Exploiting emerging administrative datasets in Scotland

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Introduction

- Personal Background
- Project funding and supervision
- Project outline
- Progress



Personal Background





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PHD STUDENTS have admitted it is just an excuse to spend another three years arsing about.

Julian Cook, who is currently writing a PhD thesis on the history of tables, said: "I really enjoyed my degree because I only had to do a relatively small amount of work and was able to have a bath during the day without anyone shouting at me."



<http://www.thedailymash.co.uk/news/science-technology/people-doing-phds-admit-its-just-an-excuse-to-fanny-about-201709261364>

Project funding and supervision

- Scottish Government
- ESRC
- UBDC
- Nick Bailey, Colin McCowan, Stewart Mercer



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Project outline

Background (a) Multimorbidity

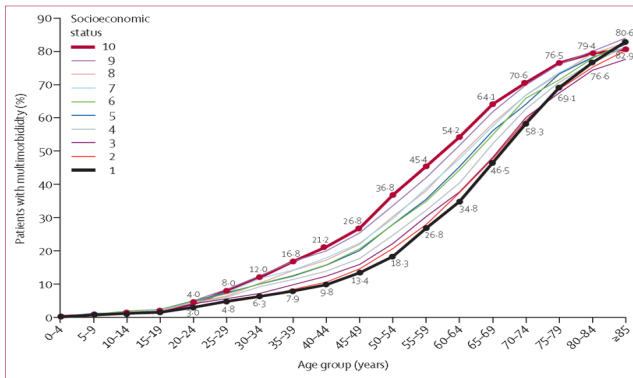
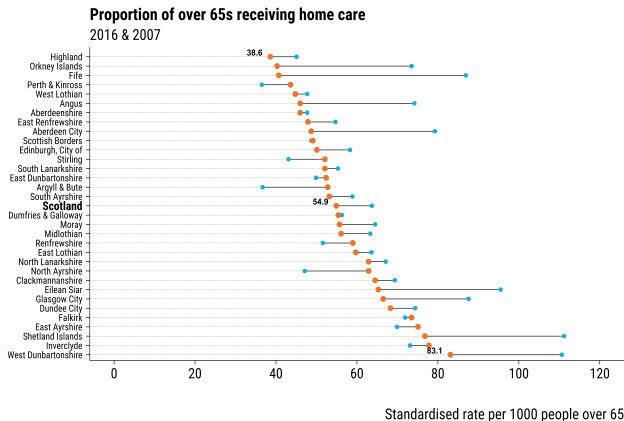


Figure 2: Prevalence of multimorbidity by age and socioeconomic status
On socioeconomic status scale, 1=most affluent and 10=most deprived.

Barnett et al (2012)

Project outline

Background (b) Social Care



code



Project outline

Aims

- Describe and and compare social inequalities in the use of social care services using linked health and social care data.
- Explore the effects of social care use for those with multimorbidity on;
 - unscheduled health care use
 - mortality
- Assess how measures of multimorbidity and health & social care service use can be operationalised using existing linked health & social care administrative data

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Project outline

Research questions:

In people over the age of 65 in Scotland:

1. (a) What are the socioeconomic, demographic, and geographic patterns in the use of social care?
(b) Is there an association between multimorbidity status and the amount and type of social care use over time? Does this vary by the patterns described in 1(a)?
2. (a) Is there an association in the use of social care services, multimorbidity status and unscheduled health care use?
(b) Do multimorbidity status and social care use predict mortality?

Project outline

Data sources

- Demographics, Deaths, and SIMD (CHI database and NSS)
- Social care survey (Scottish Government)
- Prescribing information (ISD)
- Unscheduled Care Data Mart (ISD)

Study period

- 1st April 2011 to 31st March 2016

Cohort

- Everyone born before 31st March 1951 (over 65s)



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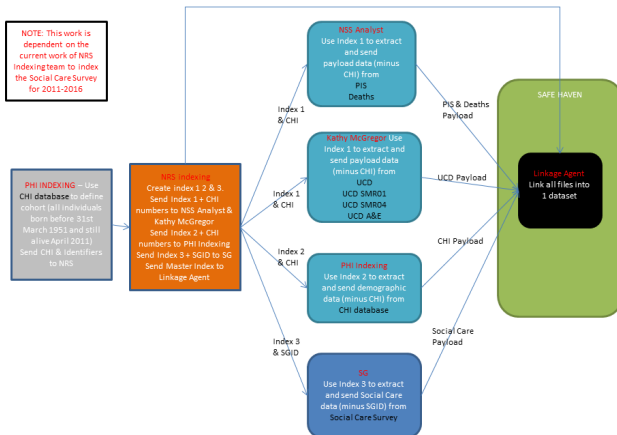
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Project outline

Data Linkage



Linkage process for 1617-0304 - Using linked data to understand the relationships between Multimorbidity and the use of Health and Social Care – David Henderson

Project outline

	n	Total number of records
Total Cohort	1,134,445	
Total Deaths	274,011	
At least one prescription	1,109,168	134 million
Captured by Social care survey	227,345	663,809
At least one episode USC	845,893	3,772,402

References

Barnett, K., S. W. Mercer, M. Norbury, G. Watt, S. Wyke, and B. Guthrie. 2012. "Epidemiology of Multimorbidity and Implications for Health Care, Research, and Medical Education: A Cross-Sectional Study." Journal Article. *Lancet* 380 (9836): 37–43. doi:10.1016/S0140-6736(12)60240-2.

