



Better Knowledge Better Society

**What record linkage
can tell us about the
Health of the Public**

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An ESRC Data
Investment

Layout of talk

- Describe record linkage research
 - NILS (NIMS); HBS; ADRC-NI
 - Published in last 2 years
 - Work ongoing or in pipeline
 - Categorized: HSR, Age-groups, PH- MH, PH - general
- Layout
 - **Highlight**
 - Titles and references



HSR

- Coyle C, Kinnear H, Rosato M, O'Reilly D. Do women who intermittently attend **breast screening** differ from those women who attend every invitation and those who never attend? *J Med Screening* 2014; DOI: 10.1177/0969141314533677
- McCann M, Grundy E, O'Reilly D. Urban and rural differences in risk of **admission to a care home**: A census-based follow-up study. *Health & Place* 2014; 30: 171 – 176
- Gallagher N, Cardwell C, Hughes C, O'Reilly D. Increase in Pharmacological Management of Type 2 Diabetes with **Pay-for-Performance in Primary Care in the UK**. *Diabetes Medicine* DOI: 10.1111/dme.12575
- Gallagher N, Bennett K, Smith SM, O'Reilly D. **Impact of two different health systems on the burden of type 2 diabetes**. *J Hlth Serv Res Pol* 2014; 19: 69–76



Adults

- Patterson L, Kee F, Hughes C, O'Reilly D. The **relationship between BMI and the prescription of anti-obesity medication** according to social factors: A population cross-sectional study. BMC Public Health 2014, 14:87
- Patterson L, Patterson C, Kee F, Hughes C, Donnelly M, O'Reilly D. **Prescribing for weight loss in primary care**: evidence from a population based study. J Epidemiol Community Health 2013, 10.1136/jech-2012-201995
- O'Reilly D, Rosato M. Worked to Death? A census-based longitudinal study of the relationship between the numbers of **hours spent working and mortality risk**. IJE 2013; 42: 1820-1830
- Cruise S, Patterson L, O'Reilly D. Socio-demographic and country-level **variation in consent for linkage to health records**: evidence from a UK cross-sectional survey. J Clin Epi (accepted)



Older people

- Maguire A, Hughes C, Cardwell C, O'Reilly D. **Psychotropic medications and the transition into care**: a national data linkage study J Am Geriatr Soc 2013; 61: 215-221
- Ramsay S, Grundy E, O'Reilly D. The relationship between **informal caregiving and mortality**: an analysis using the ONS Longitudinal Study of England and Wales. J Epidemiol Community Health. 2013; 67: 655-60.
- Moriarty J, McCann M Maguire A, O'Reilly D. **Bereavement Following Informal Care-Giving**: Assessing Mental Health Burden using Linked Population Data Am J Pub Health XXXX
- Wright D, O'Reilly D. **Urban/rural variation in the influence of widowhood on mortality rates**: a cohort study of almost 300 000 couples. Accepted Health & Place Jan-Feb



Mental health (i)

- O'Reilly D, Rosato M. Does **religion** still protect against risk of **suicide**? A longitudinal study of over 1 million people. *Br J Psychiatry* 2015; 1–6. doi: 10.1192/bjp.bp.113.128694
- Maguire A, O'Reilly D. Does **conurbation affect the risk of poor mental health**? A population based record linkage study. *Health & Place* (in press)
- Tseliou F, Rosato M. Maguire A, Wright D, O'Reilly D. The impact of **childhood residential mobility on mental health** outcomes in adolescence and early adulthood: a record linkage study.
- Foteini et al: **Caregiving and the risk of suicide**



Mental health (ii)

- Maguire A, McCann M, Moriarty J, O'Reilly D. **Grieving at different ages**: assessing mental health after bereavement due to illness, sudden death and suicide using linked population data. J Depress & Anxiety (Submitted April 2015)
- Maguire A, French D, O'Reilly D **Segregation, dividing walls and mental health**: A population-based record linkage study.
- O'Reilly D, Rosato M The relationship between **chronic poor mental health and suicide risk**.
- **Measuring mental health in the community**
- O'Reilly D, Rosato M **Volunteering and suicide risk**.



Public health -general

- Doherty R, Wright D, Rosato M, O'Reilly D. Is the risk of **teenage motherhood influenced by area of residence**? A prospective cohort study of 14,000 women.
- The **health and mental health of migrants** to NI
- Does poor **mental health reduce cancer screening** uptake.
- Factors influencing social mobility in NI.



Questions?

