Data Linkage Service User Advisory Group Newsletter

Issue 13, February 2018

News

Project Update: CRIS Linkage with the 2001 and 2011 Census

You may remember the presentation in October 2017 by Dr Jayati Das-Munshi about a new data linkage between mental health information from CRIS with information from the 2001 and 2011 UK census. This project has now received ethical approval from the Oxford C Research Ethics Committee and provisional Section 251 approval from the Health Research Authority (HRA) Confidentiality Advisory Group (CAG). Approval from the REC is a positive step forward for the project and the researchers will now focus on obtaining full approval from the CAG. We will keep you updated with any more progress on the project.

Research Spotlight

In each newsletter we will highlight recent research that has been conducted using linked data, if you would like to know more about any particular piece of work please let us know.

Hospital Admissions for Respiratory System Diseases in Adults with Intellectual Disabilities

Dr Chin-Kuo Chang, Associate Professor at the University of Taipei, has used existing linkages between CRIS, Hospital Episode Statistics (HES), and Mortality data to explore the long term physical consequences of severe mental illness and compare the experiences of those with mental illness to those without for a range of physical health outcomes. One of the physical health outcomes that Chin-Kuo has studied is respiratory disease and he led on a paper looking at respiratory system diseases in adults with intellectual disabilities which was published last year.

Intellectual disability is defined as a mental disorder with substantially reduced ability to understand new or complex information, to learn new skills, and to cope independently. Respiratory system diseases, such as pneumonia, asthma, and bronchitis, are a major cause of mortality among people with intellectual disabilities. Despite this, there is little research into this area and there are a number of unsolved questions about the interaction between intellectual disability and respiratory diseases.

Within this project, the researchers aimed to use the linked CRIS-HES data to investigate the frequency of hospitalisation for respiratory diseases, the time spent in hospital, and the risk of

being readmitted in a group of people with intellectual disability in comparison to people without intellectual disability.

They found that individuals with intellectual disability spent significantly longer in hospital and were more likely to be readmitted to hospital for respiratory disease than people without intellectual disability. The researchers concluded that admissions to hospital for respiratory diseases are more frequent, of longer duration, and have a higher likelihood of recurring for people with intellectual disability and therefore interventions should be developed as a priority to address the preventable causes of respiratory disease.

If you would like to read the full article you can access it here:

https://kclpure.kcl.ac.uk/portal/files/83196063/Hospital_admissions_for_respiratory_CHANG_Publishedonline29March2017_GOLD_VoR_CC_BY_.pdf

To find out more about the research into physical health and mental illness you can watch a video of Chin-Kuo discussing his work at the BRC here: http://www.maudsleybrc.nihr.ac.uk/about-us/core-facilities/clinical-record-interactive-search-cris/what-is-cris/.

Upcoming

Next Meeting

The next meeting will be held on **Thursday 8 March**, from **4-6pm**, in Seminar Room 6 at the Institute of Psychiatry, Psychology & Neuroscience, King's College London, 16 De Crespigny Park, London, SE5 8AF. We look forward to seeing you then!

Future Newsletters

If there is anything that you would like to see in future newsletters or if you would like more information about something mentioned in a newsletter, you can contact Amelia or Megan via email: amelia.jewell@slam.nhs.uk / megan.pritchard@kcl.ac.uk, or phone: 020 3228 8554.