

Australian Health Research Alliance (AHRA) – Progress in Data Driven Healthcare Improvement

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Abstract Title: Australian Health Research Alliance (AHRA) – Progress in Data Driven Healthcare Improvement

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On behalf of AHRA's Data Driven Health Care improvement committee and AHRA Council

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Background

Data-Driven Healthcare Improvement is a key AHRA and MRFF priority. Australian Health Research Alliance (AHRA) offers unprecedented national collaborative opportunities to integrate research and healthcare to deliver better health outcomes. Here we report on implementation of AHRA priorities, which were formulated in March 2018.

Objectives

To implement priorities and co-ordinate national activity across AHRA centres in three priority areas:

- Learning Health System Data Hubs (LHS DH's)
- Integration of large data sets across the care continuum and
- Building workforce capacity in the use of data for healthcare improvement.

Method

Fellows have been appointed and training provided, systematic reviews completed, interviews and national surveys undertaken. Regular meetings, phone and email contact and several face-to-face workshops have occurred since priorities were agreed. Data sets have been scoped and core outcomes agreed.

Results

Activity is nationally coordinated and international partners have been established.

LHS DH's: Monash Partners, Sydney Health Partners and Health Translation South Australia all have models under development.

Monash Partners systematic review and qualitative interviews have guided the development of a broadly relevant and sustainable model that supports better use of data by clinicians, to improve health outcomes. This model utilises Learning Health System principles.

Data linkage: Centres have funded projects and are working together to improve the linkage of health data nationally.

Workforce development: A free MOOC has been co-developed – “Using clinical health data for better healthcare”; available through Coursera. CHIA training has been trialed and feedback and improvements provided. Post-doctoral fellow positions and a new PhD training program have commenced.