

# Maximising the use and re-use of clinical health datasets

## What large clinical datasets exist across MACH Melbourne; how can we collate and curate them to maximise research outcomes?

The first step towards maximising the use and re-use of clinical health datasets from hospitals and clinical practices associated with the Melbourne Academic Centre for Health (MACH).

The issue faced with MACH data is that information about many datasets is unavailable or not widely advertised. This data is held in many disparate data formats with differing governing policies.

A key aim is to document the process of discovery so that this process can be re-used elsewhere.

### Start date

3 June 2019

### Expected completion date

21 October 2019

### Investment by ARDC

\$49,999

### Co-investment partners

[University of Melbourne](#)

[Peter MacCallum Cancer Centre](#)

[Austin Health](#)

[Melbourne Health](#)

[The Bionics Institute](#)

[Northern Health](#)

[The Royal Children's Hospital](#)

[St. Vincent's Hospital](#)

[The Eye and Ear Hospital](#)

[The Royal Women's Hospital](#)

[Western Health](#)

### Lead node



## 2. Datasets review

Review dataset descriptors and record in-depth metadata about key datasets with a view to investigating future options to maximise the utility of such datasets for research following FAIR principles.

## 4. Completion of project

## 1. Interview key MACH stakeholders

Interviews are being conducted with: (1) hospital and clinic CIOs and potentially CMOs (2) administrative and technical staff, (3) collection curators and owners, and (4) likely researcher data reusers.

## 3. Final report

Create a report describing the challenges of MACH data reuse and possible solutions.

## Core features



### Describe challenges and opportunities

A description of the challenges and opportunities uncovered when attempting to collate Melbourne's clinical data.



### Solutions to challenges

Speculative suggestions for solutions to the issues inherent in data re-use will be described.

## Who is this project for?

- MACH and Hospitals and Clinical practices that are a part of MACH
- The University of Melbourne Petascale Campus Initiative
- Policy makers at State and Federal level
- Hospital and research institute managers
- Researchers



## What does this project enable?

This project enables discovery of clinical datasets within the University of Melbourne and other MACH members, and identifies problems to make the data reusable. This project lays a foundation to generate impact from reuse of these datasets.



## Handy resources

- [FAIR assessment](#) [PDF 101KB]
- [Final Report](#) [PDF 130KB]
- [Presentation](#) [PDF 281KB]
- [MACH Australia](#) website for an overview of the organisations in scope



University of Melbourne

VISIT










Peter MacCallum Cancer Centre

VISIT



Austin Health

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|  <p>MELBOURNE HEALTH</p> <p>Melbourne Health</p> <p>VISIT</p>   |  <p>Bionics<br/>INSTITUTE</p> <p>The Bionics Institute</p> <p>VISIT</p>                  | <p>Northern Health</p> <p>Northern Health</p> <p>VISIT</p>   |
|  <p>The Royal Children's<br/>Hospital Melbourne</p> <p>The Royal Children's Hospital</p> <p>VISIT</p>                    |  <p>ST VINCENT'S<br/>HOSPITAL<br/>SYDNEY</p> <p>St. Vincent's Hospital</p> <p>VISIT</p> |  <p>the royal victorian<br/>eye and ear<br/>hospital</p> <p>The Eye and Ear Hospital</p> <p>VISIT</p> |
|  <p>the women's<br/>the royal women's hospital<br/>victoria australia</p> <p>The Royal Women's Hospital</p> <p>VISIT</p> |  <p>Western Health</p> <p>Western Health</p> <p>VISIT</p>                               |  |