



# HELIX

Since its establishment in 2018, Helix has been developing Monash University's sensitive research data capabilities through flagship health research projects. These capabilities are now being extended to support research across other faculties and research disciplines.

The establishment of sustainable and scalable solutions enables researchers to collect, manage, analyse, share and collaborate on this data. These capabilities, underpinned by high-performance and secure IT infrastructure, enable the use of the latest developments in technologies, offering researchers ground-breaking research environments for sensitive data research.

Helix is a combination of highly skilled people, world class infrastructure and services to accelerative research, whilst enabling Monash researchers to maintain necessary ethical, legal and regulatory obligations.

The platform has evolved rapidly from conceptualisation to reality with experienced staff and access to leading-edge secure and scalable infrastructure for expertise in the following areas:

## EXPERTISE

- Web Application Development
- Data Management and Governance
- Database Analytics
- Data linkage expertise specific to health data; including linking external datasets
- Statistical Analysis
- Project Management
- Business Analysis
- Secure data management

## WORKING WITH US

- Fee for service
- Consultancies
- Collaborative research

## SPECIALIST SERVICES

### SENSITIVE DATA CAPABILITIES & SERVICES FOR RESEARCH

#### REDCap

REDCap is a secure, web-based application to create and manage research databases and/ or participant surveys. It is developed to help researchers collect and manage sensitive data effectively and responsibly. REDCap's streamlined process for rapidly creating and designing projects offers a vast array of tools that can be tailored to virtually any data collection strategy.

#### Monash Secure eResearch Platform

Monash SeRP is a secure environment for sharing research data for collaboration and analysis, within the control and governance of the data custodian. It allows the data custodian with visibility and control over how their data is being used by other approved researchers. The data custodian can allocate controlled access to this dataset, provide computing power and approved analytical tools to the approved researcher.

#### Application development

Development of applications to support the collection, storage and analysis of health research data. Employing cutting edge technologies to ensure the applications incorporate best practice development frameworks and practices. Ongoing maintenance and support are also offered for the duration of the study.

#### Hosting and data transfer

Helix can provide access to approved solutions for the secure transfer of sensitive data to parties within Monash and external to the University. When transferring sensitive data Helix can provide advice and solutions to allow you to carry out this transfer in accordance with your ethics agreements, government legislation and privacy regulations.

#### Data governance

The Data Governance Framework (DGF) has been developed by Helix to provide Monash researchers a framework with practical guidelines to better manage data in research activities and ensure it is translated into practice.

#### Clinical trials

Researchers who are carrying out projects involving a Clinical Registry or Clinical Trial have choices to make when determining the best solution for their data collection. Helix is able to advise on the advantages and disadvantages of different solutions and is able to assist whether the requirement is for a simple local database, a do-it-yourself database using a tool such as REDCap or a fully customised software solution.

#### Qualtrics plus

Monash has licensed two instances of Qualtrics, a commercial online survey tool. Qualtrics Plus is an instance that stores its data in Australia, is HIPAA (Health Insurance Portability and Accountability Act – USA) compliant with Helix providing an extra level of oversight and support for researchers using the platform.

#### HeSANDA data request system

The Health Studies Australian National Data Asset (HeSANDA) program is building national infrastructure to allow researchers to access and share data from health studies, including clinical trials. We're taking an incremental approach to HeSANDA over 3 years. The initial focus is on sharing and reusing data from publicly-funded clinical trials by universities and research organisations.

#### Teleform secure scanning

This capability allows users to scan hand-written paper documents to a secure location for processing.

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