



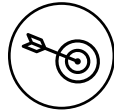
Australian Government  
Department of Health

# Genomics Health Futures Mission

Medical Research Future Fund  
Snapshot 2019–20 to 2020–21



Theme  
Research missions



## Goal

To save or transform the lives of more than 200,000 Australians through genomic research to deliver better testing, diagnosis and treatment



## Budget

**\$500 million**  
over 10 years

Total Budget allocation  
(as at Budget 2019–20)

Total committed = \$43.9 million  
Grant rounds in progress = \$65.7 million  
Not yet allocated = \$390.4 million

	2019–20 (\$m)	2020–21 (\$m)	2021–22 (\$m)	2022–23 (\$m)
Budget	56.6	68.7	69.9	54.9
Committed	14.1	15.2	5.2	0.3
Grant rounds in progress	19.2	19.9	18.6	8.0
Not yet allocated	23.3	33.6	46.1	46.5

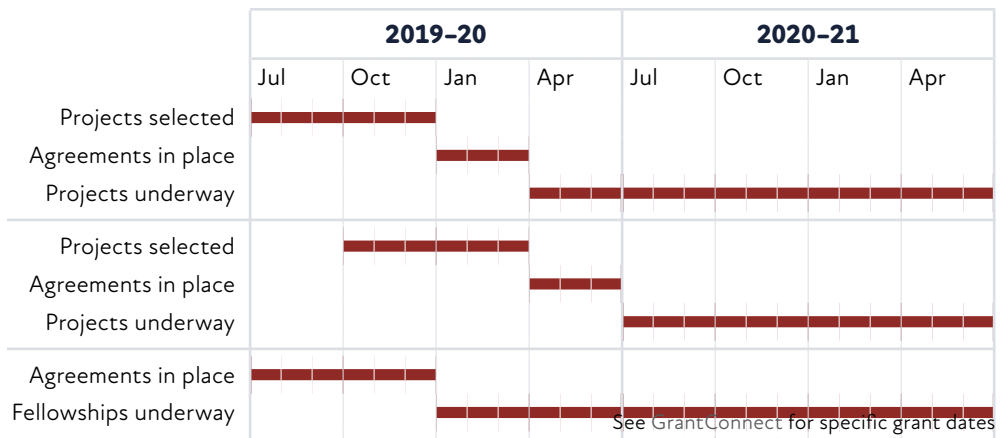
## Funding timeline

### Projects Grant Opportunity

cancers/diseases, paediatric acute care & ethical-legal-social issues

### Pathogen Genomics Grant Opportunity

### Bioinformatics Fellowships



See GrantConnect for specific grant dates

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## Early funding priorities

- Reproductive carrier screening for rare genetic conditions (Mackenzie's Mission)
- Cancer proteomic, genomic and related multi-omic big data analysis to improve diagnosis and treatment (ProCan)
- Pathogen genomics
- Cancers and diseases of high mortality/low survivability
- Paediatric acute care research
- Ethical, legal and social issues related to using genomic information in health care
- Bioinformatics capability and capacity to support genomic research

## Current or completed activity

- 2 projects under contract and progressing – Mackenzie's Mission (Reproductive Carrier Screening) and ProCan (Cancer Proteomics)
- 3 fellowships under contract and progressing to develop bioinformatics capacity and capability
- Projects focusing on cancers and diseases of high mortality/low survivability; paediatric acute care research; and ethical-legal-social issues related to using genomic information in health care. Closed 21 June 2019; outcomes expected to be announced in December 2019–January 2020
- Projects focusing on pathogen genomics. Closed 12 September 2019; outcomes expected to be announced in March 2020



## Delivery horizons

### Establish 2018–19 to 2020–21

- Established advisory committee/scientific strategy committee
- Pump-primed research into rare cancers and diseases, and ethical-legal-social issues
- Established projects in screening and pathogen genomics
- Targeted funding to strengthen bioinformatics capability and capacity
- Prepare a genomic research gap analysis to guide strategic investment
- Coordinate and align with implementing the National Health Genomics Policy Framework
- Engage strategically with international networks and collaborators
- Engage with the Australian community, clinicians and industry partners

### Expand 2021–22 to 2024–25

- Identify new research areas through revised strategic gap analysis
- Increase focus on implementation science to understand and address barriers to clinical uptake
- Build on national and international partnerships
- Ensure consumers are involved in setting priorities

### Embed 2025–26 to 2027–28

- Revise strategic gap analysis to inform investment in personalised health care interventions
- Empower more research by making clinical and genomic datasets available
- Integrate genomics into health policy

## Measures of success

Precision medicine is embedded in clinical practice

The community accepts and adopts new technologies and treatments

Clinicians adopt best practices more quickly

Increased focus of research on areas of unmet need

New health technologies and treatments are developed and trialled

More Australians access clinical trials

Research community has greater capacity and capability to undertake translational research