



To: Minister Hunt

Subject: **MILLION MINDS MISSION GRANT FUNDING APPROVAL**

Critical date: 9 April 2019

Recommendation/s:

- | | |
|---|-----------------------------------|
| 1. Approve the expenditure of up to \$27,454,930 (GST excl) under the <i>Public Governance, Performance and Accountability Act 2013</i> (PGPA Act) and the <i>Medical Research Future Fund Act 2015</i> . | 1. Approved / Not approved |
| 2. Approve the funding for successful applicants for the first tranche of the Million Minds Mission (noting this adds to \$27.45 m (GST excl) as per table at Attachment A . | 2. Approved / Not Approved |
| 3. Approve the reserve list of applicants also at Attachment A to be funded should other applicants decline the grant. | 3. Approved / Not approved |
| 4. Note that the National Health and Medical Research Council (NHMRC) will release the outcomes to applicants “under embargo” pending your announcement. | 4. Noted / Please discuss |
| 5. Note that the NHMRC will offer grant agreements to the projects listed in Attachment A following your approval to commit funds of up to \$27.45 m (GST excl). | 5. Noted / Please discuss |
| 6. Note the department will work with your office on an announcement strategy; a draft media release is provided at Attachment E . | 6. Noted / Please discuss |

Signature:

Date: / /

Comments

Contact Officer:	<i>Chris Bedford</i>	<i>Assistant Secretary, Mental Health and Suicide Prevention Branch, Primary Care and Mental Health Division</i>	Ph: (02) 6289 8454 s 22
	<i>Erica Kneipp</i>	<i>Assistant Secretary, Office of Health and Medical Research Health Economics and Research Division.</i>	Ph: (02) 6289 7979 s 22
Clearance Officer:	<i>Caroline Edwards</i>	<i>Deputy Secretary, Health Systems Policy and Primary Care</i>	Ph: (02) 6289 1235 s 22

Issues:

1. The first grant opportunity under the Million Minds Mental Health Research Mission (the Mission) closed on 20 February 2019 and received a total of 50 applications.

Available Funding

2. This grant opportunity announced \$25 million in research funding with applications eligible to apply for up to \$5 million in grant funding per project. A total of \$15 million was quarantined for the top ranked applications in each of the three research priority areas: the prevention, identification and treatment of eating disorders, the mental health of children and young people, and the mental health of Aboriginal and Torres Strait Islander peoples.
3. Following consideration by the Advisory Panel, the balance of the \$25 million was proposed to be allocated on the strength of next best applications received regardless of priority, as determined by the National Health and Medical Research Council (NHMRC) peer review panel process.

Summary of Applicants Recommended for Funding

4. A total of seven projects have been recommended for funding based on merit at a maximum value of \$27.45 million over five years. While this is exceeding the advertised amount (of \$25 million), the department will work to ensure that this can be managed within available MRFF funds allocated to the Mission. Application summaries for the projects are at **Attachment B**.
5. This includes two projects focused on eating disorders (approximately \$5 million), two projects focused on child and youth (approximately \$10 million), and three projects targeting the mental health of Aboriginal and Torres Strait Islander peoples (approximately \$12.5 million).
6. In regard to the eating disorders, the first and second ranked proposals (within the priority area) are being put forward for your approval. While the second ranked proposal is linked to a proposal already supported for \$4 million in funding for InsideOut Institute for Eating Disorders, announced by the Prime Minister on 9 December 2018, both the department and the NHMRC have reviewed both applications and confirm there is little risk of duplication. In negotiating the terms of the proposed grant agreement, the NHMRC will work with the applicant to ensure that the scope of the Mission is clearly defined.
7. The list of recommended successful applicants is at **Attachment A**. A full summary of the applications received including those recommended for funding is enclosed at **Attachment C**.
8. As some applicants may have applied for a number of funding rounds open at the same time, the NHMRC have prepared a "Reserve List". These are the next applications in overall rank order and allows the department to award "Reserve" grants should any successful applicants decline the grant offer.

Outcomes of Application Assessment

9. The applications have been rigorously assessed by an independent peer review panel convened by the NHMRC, in which they were evaluated by experts in the fields, disciplines and methodologies of the applications.
10. Each application was assessed against the four criteria set out in the grant opportunity guidelines: generating new knowledge, translating research, strengthening the workforce, and team capability and diversity.
11. For applications with an Aboriginal and Torres Strait Islander health research focus, the NHMRC sought an additional assessment against the NHMRC Indigenous Research Excellence Criteria by an expert in Aboriginal and Torres Strait Islander health research.
12. The recommendations at **Attachment A** have been developed in accordance with the agreed approach as directed by the Advisory Panel.
13. As the decision maker listed in the grant opportunity guidelines, the final decision as to which applications are funded rests with you, or your delegate. You may, having considered all material facts including the department's recommendations, determine which applications should be approved for funding.

Background:

The Mission will provide \$125 million over 10 years to assist a million people who might otherwise not be part of mental health research and clinical trials to access new approaches to diagnosis, treatment and recovery.

Advisory Panel:

It was intended that the Advisory Panel (chaired by Professor Shitij Kapur and Professor Helen Milroy) would have a role in reviewing the outputs of the peer review process to ensure that recommended projects would have the greatest impact on the Mission's objectives. However, more than half of the Advisory Panel members were directly conflicted, as they applied for this grant opportunity. Of the remainder, most were conflicted through relationships with administering institutions that were attached to grant applications.

To manage this conflict of interest and to support the integrity of the process, the Advisory Panel decided that it would not provide input during the selection process, and asked that recommendations be made in accordance with the grant opportunity guidelines, and peer review outcomes. It further recommended that, for each priority area, the \$5 million would be fully allocated to the top ranked proposals and the balance of the \$10 million provided to the next most meritorious applications. The Advisory Panel will now turn its attention to designing the next grant opportunity for the Mission with a workshop to be held in June 2019.

Grant Opportunity Guidelines:

This opportunity was competitive, and therefore Department of Finance clearance of the grant opportunity guidelines was sought and received. The guidelines were rated as low risk by the Department of Finance.

Timeframe:

The funding period will commence upon execution and will conclude on 30 June 2022.

Recommended Applicants:

The recommended applicants, including those on the reserve list, are listed in **Attachment A**.

Funding agreement:

The standard Commonwealth Grant Agreement will be used. The NHMRC will proceed to develop grant agreements with each successful applicant; to be finalised by 30 June 2019.

Funds Availability:

Funds are available through Program 1.1 – Health Policy Research and Analysis under Outcome 1 – Health System Policy, Design and Innovation. The relevant Finance Officer has confirmed that funds are available from Priority 4 (Medical Research Future Fund Special Account) in 2018-19 to 2021-22.

The amount for some grants may be reduced by a small amount, depending on the final advice from the peer review panel on the appropriateness of the proposed budgets for the proposed research activities. This will not affect the feasibility of completing the research activity.

Assessment of value with relevant money:

Applications have been assessed for their direct relevance to the scope of the priority area and the Mission's Roadmap (**Attachment D**) and potential to influence health policy and practice.

Given the rigorous review of scientific merit, and capacity to meet the policy goals of the Mission, these proposals are considered to achieve value with relevant money.

External reporting requirements:

The Funding Agreements will be reported no later than 14 working days after they take effect which is in line with the mandatory reporting requirements in the CGRGs and will be included in the Department's response to Senate Order 95 (Minchin Motion). The Funding Agreements will be reported on the Department's website in accordance with the Senate Order requirements of July 2001 (Murray Motion).

Risk management:

The activities have been assessed for risk. The risk rating applied to the activities is low and no major risks have been identified.

Consultations:

This submission has been prepared in consultation with the NHMRC and the Office of Health and Medical Research.

Communication/Media Activities:

The department will liaise with your office to coordinate announcements of the successful projects. Due to the forthcoming caretaker period, it is the department's preference to list the successful projects on the Mission website (beta.health.gov.au/initiatives-and-programs/million-minds-mental-health-research-mission) as soon as possible. A draft announcement has also been prepared for you to announce the projects at **Attachment E**.

Attachments:

- A: Funding recommendations
- B: Application summaries
- C: Full list of applications
- D: Roadmap
- E: Draft media release

Recommendation	Priority Area	Administering Institution	Chief Investigator	Title	s 47E(d)	TOTAL PROPOSED BUDGET
Successful	Aboriginal and Torres Strait Islander Peoples	Curtin University	Associate Professor Michael Wright	Our Journey, Our Story: Building bridges to improve Aboriginal youth mental health and wellbeing		\$2,459,030.00
Successful	Aboriginal and Torres Strait Islander Peoples	Univeristy of Melbourne	Professor Sandra Eades	Bringing family, community, culture and country to the centre of health care: culturally appropriate models for improving mental health and wellbeing in Aboriginal and Torres Strait Islander young people		\$4,998,863.80
Successful	Children and Young People	Monash University	Professor Simon Craig	The Kids are Not Okay: Emergency Department management of acute mental health crises in children and young people		\$4,996,126.75
Successful	Children and Young People	University of Southern Queensland	Associate Professor Sonja March	Translating evidence-based interventions into population-level digital models of care for child and adolescent mental health		\$4,996,350.50

Recommendation	Priority Area	Administering Institution	Chief Investigator	Title	s 47E(d)				TOTAL PROPOSED BUDGET
Successful	Eating Disorders	University of Sydney	Doctor Sarah Maguire	MAINSTREAM Centre for Health System Research & Translation in Eating Disorders: detection and intervention system-focused knowledge to drive better outcomes in mainstream care for eating disorders					\$3,670,400.00
Successful	Eating Disorders	Deakin University	Associate Professor Matthew Fuller-Tyszkiewicz	Leveraging digital technology to reduce the prevalence and severity of eating disorders in Australia					\$1,342,548.00
Successful	Aboriginal and Torres Strait Islander Peoples	University of Western Australia	Professor Pat Dudgeon	Generating Indigenous patient-centred, clinically and culturally capable models of mental health care					\$4,991,608.00
Total									\$27,454,927.05

s 47C, 47E(d), 47F, 47G

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Application Summary

Application ID:	APP1178803	Application Year:	2019
Grant Type:	MRFF Million Minds Mission	Grant Duration:	5 years
Round:	2018_MRFF Million Minds Mission_funding_commencing_2019		
Application Title:	Generating Indigenous patient-centred, clinically and culturally capable models of mental health care		

Administering Institution:	University of Western Australia
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Participating Institutions:	Department

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Research Team:

CI Role	CI Title & Name	Institution
CIA	Professor Pat Dudgeon	University of Western Australia
CIB	Professor Helen Milroy	University of Western Australia
CIC	Professor Jill Milroy	University of Western Australia
CID	Doctor Thomas Calma	University of Canberra
CIE	Associate Professor Michael Wright	Curtin University
CIF	Doctor Graham Gee	Victorian Aboriginal Health Service
CIG	Professor Shaun Ewen	University of Melbourne
CIH	Professor Sean Hood	University of Western Australia
CII	Associate Professor Roz Walker	University of Western Australia
CIJ	Professor Michael Small	University of Western Australia

Associate Investigators:

Name
Angela Ryder Edward Wilkes Jeneva Ohan Kevin Taylor Michael Mitchell Rob McPhee Thomas Brideson

Additional Personnel:

Number of Professional Research Person(s)	11
Number of Technical Support Staff	0

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Guide to Peer-Review Areas: Indigenous Health, Mental Health, Health Services Research
Broad Research Area: Health Services Research
Field of Research: **PUBLIC HEALTH AND HEALTH SERVICES - Mental Health**
Research Keywords/Phrases: culturally appropriate methodology, services, competence, Aboriginal mental health, cultural perceptions
Stream: Aboriginal and Torres Strait Islander Peoples

Synopsis:

Working collaboratively with Indigenous service users, families and communities, this research program will develop clinically and culturally capable Indigenous mental health service models to support access to, and effectiveness of clinical treatment and cultural healers; support mainstream services to work better across cultural and experiential differences; and integrate mental health, wellbeing, alcohol and drug, suicide and social and cultural support service responses through multidisciplinary teams. This program will work to understand: the types and numbers of workers needed, and the resources and equipment needed. It will develop Indigenous-specific mental health assessment tools for use in the models. With service users, families, communities and services, the program will test models in 'real world' settings. Lessons learned will be fed back into model design processes and, over time, the models improved. Two additional streams will contribute model elements: one, an investigation into how services can best work in communities and with families for improved access and service use. It will also look at how services can better prevent mental health difficulties and suicide. Two, will consider cultural healers' work with service users and services. Practical guides as to models take up in service settings across Australia will be developed. The program will also work with stakeholders to develop training programs to meet workforce need as identified. The multidisciplinary research team will be led by senior Indigenous researchers and include partnerships with Indigenous-specific and other mental health service providers. This research aims to: improve Indigenous access and use of services; improve population mental health and reduce suicide; help close the health gap; contribute to reducing family and community-wellbeing challenges; and enable the re-direction of funds towards primary care settings, away from expensive hospital and other treatment settings.

Application Summary

Application ID:	APP1178922	Application Year:	2019
Grant Type:	MRFF Million Minds Mission	Grant Duration:	5 years
Round:	2018_MRFF Million Minds Mission_funding_commencing_2019		
Application Title:	MAINSTREAM Centre for Health System Research & Translation in Eating Disorders: detection and intervention system-focused knowledge to drive better outcomes in mainstream care for eating disorders.		

Administering Institution:	University of Sydney
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Participating Institutions:	Department
University of Sydney	InsideOut Institute (IOI)

Research Team:

CI Role	CI Title & Name	Institution
CIA	Doctor Sarah Maguire	University of Sydney
CIB	Professor Stephen Touyz	University of Sydney
CIC	Professor Natasha Nassar	University of Sydney
CID	Doctor Michelle Cunich	University of Sydney
CIE	Professor Ian Hickie	University of Sydney
CIF	Professor Janice Russell	University of Sydney
CIG	Associate Professor Sloane Madden	The Children's Hospital at Westmead
CIH	Associate Professor Warren Ward	Royal Brisbane and Women's Hospital
CII	Ms Danielle Maloney	University of Sydney
CIJ	Ms Claire Diffey	Melbourne Health

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Associate Investigators:

Name
Amanda Davis
Andrew Wallis
Ang Li
Belinda Caldwell
Belinda Chelius
Bronywn Carroll
Genevive Dammary
Jane Miskovic-Wheatley
Lyn Chiem
Michelle Roberton
Rachel Knight

Additional Personnel:

Number of Professional Research Person(s)	6
Number of Technical Support Staff	1

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Guide to Peer-Review Areas: Mental Health, Health Services Research, Population Health
Broad Research Area: Health Services Research
Field of Research: **PUBLIC HEALTH AND HEALTH SERVICES - Mental Health**
Research Keywords/Phrases: eating disorders, mental health, health systems, health economics, data linkage
Stream: Eating Disorders

Synopsis:

Eating disorders impact over one million Australians, have high mortality rates and low rates of early detection and intervention. If detected and treated at the right time full remission is possible. Historically eating disorders has been treated in isolation and a late-stage intervention approach has marked the health system, with hospital admissions governing as the 'primary' pathway to care. There has been under-investment in clinical care and research; eating disorders having the lowest research dollar spend of all of the major mental illnesses. Collectively these factors have resulted in a system ill-prepared for a mainstream early detection and intervention approach. Unprecedented investment into clinical care for people with eating disorders is imminent through Medicare and state health department initiatives, and without rigorous evaluation there is a risk these investments will not lead to improvements in health outcomes. There is an urgent need to transform the health system from late to early-stage intervention focused, equip it with systems to assess and monitor performance, and scalable and effective models of care to prevent spiraling costs. This project will deliver across four key strategies:

1. Establish a national surveillance system to monitor detection and early intervention in mainstream health services and create a national profile of illness, interventions and outcomes for eating disorders
2. Develop a lived experience lifetime survey on illness and treatment experience
3. Develop health system and economic models that evaluate current and future interventions in relation to outcomes, cost-effectiveness, and equality in access,
4. Undertake translation focused testing of scalable models of care for mainstream health settings.

The program will develop both clinical and non-clinical researchers linked to the frontline care to maximise translation into policy and practice and use co-investment by partners to enhance scale and impact.

Application Summary

Application ID:	APP1178972	Application Year:	2019
Grant Type:	MRFF Million Minds Mission	Grant Duration:	5 years
Round:	2018_MRFF Million Minds Mission_funding_commencing_2019		
Application Title:	Our Journey, Our Story: Building bridges to improve Aboriginal youth mental health and wellbeing		

Administering Institution:	Curtin University
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Participating Institutions:	Department
Curtin University	School of Occupational Therapy, Social Work and Speech Pathology
South Australian Health and Medical Research Institute Limited	
Telethon Kids Institute, Perth Children's Hospital, WA	
University of Western Australia	

Research Team:

CI Role	CI Title & Name	Institution
CIA	Associate Professor Michael Wright	Curtin University
CIB	Professor Alex Brown	South Australian Health and Medical Research Institute Limited
CIC	Professor Pat Dudgeon	University of Western Australia
CID	Mr rob mcphoe	Kimberley Aboriginal Medical Services
CIE	Professor Julianne Coffin	The University of Notre Dame Australia
CIF	Mr Glenn Pearson	Telethon Kids Institute, Perth Children's Hospital, WA
CIG	Doctor Ashleigh Lin	Telethon Kids Institute, Perth Children's Hospital, WA
CIH	Doctor Elizabeth Newnham	Curtin University
CII	Professor Elizabeth Geelhoed	University of Western Australia

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Associate Investigators:

Name
Brad Farrant Britta Biedermann Carrington Shepherd Jonathan Bullen Rosa Alati Sophie Davidson Stuart Shanker

Additional Personnel:

Number of Professional Research Person(s)	8
Number of Technical Support Staff	0

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Guide to Peer-Review Areas: Indigenous Health, Mental Health, Health Services Research
Broad Research Area: Health Services Research
Field of Research: **PUBLIC HEALTH AND HEALTH SERVICES - Aboriginal and Torres Strait Islander Health**
Research Keywords/Phrases: Aboriginal mental health, access to health care, youth, community participation, relationships
Stream: Aboriginal and Torres Strait Islander Peoples

Synopsis:

Culturally safe mainstream youth mental health services are critical to ensuring the mental health of Aboriginal youth. Whilst there is an eagerness to improve service delivery many non-Aboriginal people lack the knowledge, skills, and confidence to know how to build culturally secure services. To improve service accessibility and responsiveness, sector reform is needed in a way that engages Aboriginal youth in the co-design of clinical, governance and policy structures. This is paramount to devising innovative solutions to the complex challenges they face. The aim of this research is to increase the capacity of organisations to be flexible, confident and competent to respond to the needs of Aboriginal young people and to develop greater agility to better engage with families and communities to improve mental health and wellbeing. Our Journey, Our Story will implement and evaluate an Aboriginal Elder and youth endorsed framework developed, tested and validated over seven years. Held by an Aboriginal worldview, the Debarkarn Koorliny Wangkiny (Steady walking and talking) framework creates the conditions for relationships to be built and sustained. It has been successful in achieving youth mental health service reform by involving Elders and young people in participatory action research to co-design new systems and clinical models with service staff. The framework will be implemented with six regional youth mental health service sites across Western Australia. Aboriginal Elders, youth and service staff will: co-design appropriate measures to evaluate the effectiveness of the framework, translate findings into policy, practice, and processes for statewide implementation and, identify and implement strategies to maximise research translation to reform youth mental health services. This project provides real and measurable strategies to reform Aboriginal youth mental health and wellbeing initiatives nationally and globally.

Application Summary

Application ID:	APP1179137	Application Year:	2019
Grant Type:	MRFF Million Minds Mission	Grant Duration:	5 years
Round:	2018_MRFF Million Minds Mission_funding_commencing_2019		
Application Title:	The Kids are Not Okay: Emergency Department management of acute mental health crises in children and young people		

Administering Institution:	Monash University
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Participating Institutions:	Department
Monash Health	
Monash University	
Murdoch Childrens Research Institute	
Perth Children's Hospital	
Queensland Children's Hospital	
Royal Children's Hospital Melbourne	
Sydney Children's Hospitals Network	
Women's and Children's Hospital (Adelaide)	

Research Team:

CI Role	CI Title & Name	Institution
CIA	Professor Simon Craig	Monash Health
CIB	Professor Franz Babl	Murdoch Childrens Research Institute
CIC	Associate Professor Glenn Melvin	Monash University
CID	Associate Professor Katherine Lee	Murdoch Childrens Research Institute
CIE	Professor Vicki Anderson	Murdoch Childrens Research Institute
CIF	Professor Harriet Hiscock	Royal Children's Hospital Melbourne
CIG	Doctor Rohan Borschmann	University of Melbourne

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CIH	Associate Professor Michael Gordon	Monash Health
CII	Associate Professor Meredith Borland	Perth Children's Hospital
CIJ	Associate Professor Kylie Gray	Monash University

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Associate Investigators:

Name
Amit Kochar
Andrew Davidson
Antje Walter
Barbara Stanley
Bruce Tonge
Emma Tavender
Frank Muscara
Jonathan Knott
Kim Dalziel
Ric Haslam

Additional Personnel:

Number of Professional Research Person(s)	19
Number of Technical Support Staff	4

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Guide to Peer-Review Areas: Emergency Medicine, Paediatrics & Perinatology, Mental Health
Broad Research Area: Clinical Medicine and Science
Field of Research: **CLINICAL SCIENCES - Psychiatry (incl. Psychotherapy)**
Research Keywords/Phrases: emergency medicine, suicide prevention, psychiatric epidemiology, suicide prevention, paediatric
Stream: Children and Young People

Synopsis:

In recent years there has been an alarming increase in emergency department (ED) mental health presentations. This is particularly evident for children and adolescents, with common reasons for ED visits including self-harm, depression, and behavioural disorders. The ED acts as a critical safety net for those in crisis. A visit provides opportunities for early intervention; addressing acute risk; and potentially altering the subsequent trajectory of mental illness. Our research program will focus on the management of children and young people in crisis, including those at high risk of harming themselves, or harming others.

Our research will improve the treatment and lived experience of acute mental health in children and young people by:

- (1) Conducting detailed epidemiological, and prospective longitudinal studies to better understand (a) current patterns and precipitants of ED mental health presentations in children and young people; (b) the contribution of co-morbid conditions including childhood trauma, alcohol and substance abuse, and neurodevelopmental disorders; (c) precipitants and predictors of mental illness and suicidality; and (d) protective factors which promote resilience and well-being.
- (2) Developing co-designed core outcome measures for research in children and young people presenting to the ED with mental health crises.
- (3) Assessing the real-world effectiveness of a safety planning SmartPhone app to manage suicidality with the use of a stepped-wedge cluster randomized controlled trial in 6 paediatric EDs across Australia and New Zealand
- (4) Determining - through targeted clinical trials - the most effective pharmacologic agents to manage severe agitation and/or acute behavioural disturbance in children and adolescents.
- (5) Translating our findings by developing clinical practice guidelines, and dissemination through our established clinical, research and community networks.

Application Summary

Application ID:	APP1179321	Application Year:	2019
Grant Type:	MRFF Million Minds Mission	Grant Duration:	4 years
Round:	2018_MRFF Million Minds Mission_funding_commencing_2019		
Application Title:	Leveraging digital technology to reduce the prevalence and severity of eating disorders in Australia		

Administering Institution:	Deakin University
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Participating Institutions:	Department
Deakin University	School of Psychology
Federation University Australia	School of Science, Engineering and Information Technology
Swinburne University of Technology	Department of Business Technology and Entrepreneurship
University of Melbourne	School of Psychological Sciences
Victoria University	College of Health & Biomedicine

Research Team:

CI Role	CI Title & Name	Institution
CIA	Associate Professor Matthew Fuller-Tyszkiewicz	Deakin University
CIB	Emeritus Professor Susan Paxton	La Trobe University
CIC	Doctor Scott Griffiths	University of Melbourne
CID	Doctor Suku Sukunesan	Swinburne University of Technology
CIE	Doctor Sian McLean	Victoria University
CIF	Doctor Zali Yager	Victoria University
CIG	Associate Professor Rachel Rodgers	Northeastern University
CIH	Professor Cathrine Mihalopoulos	Deakin University
CII	Professor Denise Meyer	Swinburne University of Technology
CIJ	Professor Alexandra Parker	Victoria University

Associate Investigators:

Name
Adrian Shatte

Additional Personnel:

Number of Professional Research Person(s)	7
Number of Technical Support Staff	0

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Guide to Peer-Review Areas: Clinical Trials, Psychology, Health Promotion
Broad Research Area: Clinical Medicine and Science
Field of Research: **PSYCHOLOGY - Health, Clinical and Counselling Psychology**
Research Keywords/Phrases: eating disorders, body image, social determinants of health, health economics, efficacy
Stream: Eating Disorders

Synopsis:

Despite increasing availability of evidence-based prevention and intervention programs for eating disorders (EDs), a significant treatment gap remains with only 25% of individuals with an ED receiving treatment. While lack of symptom awareness has some influence on treatment seeking, the volume of individuals using social media to discuss ED-related symptoms and concerns suggests that the mode of delivery may also be a barrier. Indeed, key delivery-related barriers are concerns about cost, lack of anonymity, and geographic location. Thus, a core challenge is to find ways to make the content accessible and palatable to those in need.

We will address this treatment gap by harnessing personalized medicine capabilities, scalability of eHealth technology and evidence of cost-effectiveness to meet individuals where they congregate and to disseminate appropriate, empirically-supported intervention resources at time of need. Our team has a strong track record in engaging ED populations via the very social media platforms that promote ED attitudes and behaviours. By engaging individuals where they seek information and when most receptive to ED messaging, we seek to disrupt the negative influences of these platforms and supplant them with treatment options.

Specifically, we will evaluate the efficacy and cost-effectiveness of our Web- and app-based Interventions for Reducing Eating Disorders (WIRED) platform for reducing ED symptoms in individuals with prodromal and clinical EDs (Study 1), and generalise the content to target EDs among gay men (Study 2), a largely underserved group with lowest treatment seeking behaviour. In addition, we will disrupt the social medial environment itself, by using innovative technologies to identify ED-related content and interactions and inserting health and treatment-oriented content (Study 3). Each of these approaches will be assessed for its cost-effectiveness (Study 4) to gather information about scalability and economic impact.

Application Summary

Application ID:	APP1179461	Application Year:	2019
Grant Type:	MRFF Million Minds Mission	Grant Duration:	5 years
Round:	2018_MRFF Million Minds Mission_funding_commencing_2019		
Application Title:	Bringing family, community, culture and country to the centre of health care: culturally appropriate models for improving mental health and wellbeing in Aboriginal and Torres Strait Islander young people		

Administering Institution:	University of Melbourne
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Participating Institutions:	Department
Australian National University	The Sax Institute
Deakin University	School of Health and Social Development, Faculty of Health
Derbarl Yerrigan Aboriginal Medical Service	
South West Aboriginal Medical Service	
University of Melbourne	School of Population Health; Dept of General Practice; Poche Centre; Dept Paediatrics/MCRI
University of Western Australia	Princess Margaret Hospital for Children, Telethon Kids Institute

Research Team:

CI Role	CI Title & Name	Institution
CIA	Professor Sandra Eades	University of Melbourne
CIB	Professor Lena Sanci	University of Melbourne
CIC	Associate Professor Alasdair Vance	University of Melbourne
CID	Professor Shaun Ewen	University of Melbourne
CIE	Professor Emily Banks	Australian National University
CIF	Professor Jane Pirkis	University of Melbourne
CIG	Associate Professor Daniel McAullay	University of Western Australia
CIH	Doctor Janet McGaw	University of Melbourne

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CII	Professor George Patton	University of Melbourne
CIJ	Professor Cathrine Mihalopoulos	Deakin University

Associate Investigators:

Name
Debra Rickwood
Douglas Boyle
Graham Gee
Greg Wadley
Jane Gunn
Janet Smylie
Joe (Joseph) Gone
Louise Harms
Melissa Kang
Patty (Panagiota) Chondros
Peter Azzopardi
Phyllis Lau
Robert Griew
Simon Rice

Additional Personnel:

Number of Professional Research Person(s)	16
Number of Technical Support Staff	6

Guide to Peer-Review Areas: Mental Health, Indigenous Health, Primary Care
Broad Research Area: Health Services Research
Field of Research: **PUBLIC HEALTH AND HEALTH SERVICES - Mental Health**
Research Keywords/Phrases: Aboriginal mental health, adolescent health, primary care, indigenous Australians, clinical trial
Stream: Aboriginal and Torres Strait Islander Peoples

Synopsis:

The high burden of mental health issues experienced by Aboriginal and Torres Strait Islander (Aboriginal) young people (10 – 24 years) is a national emergency, yet evidence for effective health sector responses is limited, as is an understanding of self-harm and suicide outcomes. Aboriginal young people report barriers to health care access including knowing where to find services that are culturally appropriate, and parents and Aboriginal health services express concern about low engagement of their young people with needed mental health care. The significant contribution of life stressors to mental health issues suggests a response that sits within the health sector alone is unlikely to be effective. Integrated approaches across health, education and welfare are indicated with primary care being a universally available entry point. It is also known that cultural continuity is central to Aboriginal wellbeing yet evidence for the potential of connecting to culture and integrating Indigenous knowledge into mainstream management of adolescent mental health issues is limited. Our program will address these evidence gaps by working with Aboriginal young people, their families, community and health services to achieve innovative co-produced research, capacity building, and translation of outcomes to change health practice and policy. Over 5 years we will work with our Aboriginal partners in Western Australia and Victoria to produce evidence of: impact on mental health and wellbeing of a primary care health assessment and service navigation model of care, and of an intervention connecting to culture and country to augment routine mental health care; self-harm/suicide risk factors and clustering; Aboriginal university student wellbeing and preventive care options; translation into policy and practice; training future Aboriginal mental health and wellbeing research and health care leaders; economic impact and a quality of life instrument for Aboriginal youth.

Application Summary

Application ID:	APP1179490	Application Year:	2019
Grant Type:	MRFF Million Minds Mission	Grant Duration:	5 years
Round:	2018_MRFF Million Minds Mission_funding_commencing_2019		
Application Title:	Translating evidence-based interventions into population-level digital models of care for child and adolescent mental health		

Administering Institution:	University of Southern Queensland
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Participating Institutions:	Department
Australian National University	Centre for Mental Health Research
Federation University Australia	Centre for Biopsychosocial and eHealth Research & Innovation
Griffith University	School of Applied Psychology
Queensland University of Technology	School of Psychology and Counselling
The University of Queensland	School of Psychology
University of Southern Queensland	Centre for Health, Informatics and Economics Research

Research Team:

CI Role	CI Title & Name	Institution
CIA	Doctor Sonja March	University of Southern Queensland
CIB	Associate Professor Caroline Donovan	Griffith University
CIC	Professor Britt Klein	Federation University Australia
CID	Professor David Kavanagh	Queensland University of Technology
CIE	Associate Professor Alison Cleave	Australian National University
CIF	Associate Professor Vanessa Cobham	The University of Queensland
CIG	Professor Leanne Hides	The University of Queensland
CIH	Emeritus Professor Susan Spence	Griffith University
CII	Associate Professor Lara Farrell	Griffith University

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CIJ	Doctor Sanjeewa Kularatna	Queensland University of Technology	s 47F
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Associate Investigators:

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Additional Personnel:

Number of Professional Research Person(s)	16
Number of Technical Support Staff	0

Guide to Peer-Review Areas: Population Health, Mental Health, Health Services Research
Broad Research Area: Public Health
Field of Research: **PUBLIC HEALTH AND HEALTH SERVICES - Mental Health**
Research Keywords/Phrases: child, adolescent, mental health, internet service delivery, translational research
Stream: Children and Young People

Synopsis:

This research aims to establish a digital, population-level model of care that makes evidence-based interventions for mental health accessible to all Australian children and adolescents. The project focuses on the most prevalent mental health difficulties in young people, anxiety and depression, along with substance use, unhealthy lifestyle behaviours and suicide, which are commonly comorbid in this population. Devastatingly, only half of young people with mental disorders report having used any services, with only 3.3% accessing specialist child and adolescent care. Face-to-face services are simply unable to support demand at the population level. The pervasiveness of problems and the noted barriers to treatment highlight the value of digital and population-level approaches in increasing access to evidence-based interventions. This project will merge the research team's suite of evidence-based digital detection tools and interventions to extend their existing platform for youth anxiety, which has to date delivered open-access treatment for anxiety to over 31,000 Australian children and adolescents. It will deliver a platform that integrates detection, assessment and tailored interventions addressing depression, substance use, sleep problems, suicide, social relationships and healthy lifestyles. Three streams of research will translate and evaluate this comprehensive digital model of care by 1) validating an online system of detection, assessment, decision-making, treatment recommendation and feedback, 2) evaluating the efficacy of an innovative intervention platform that delivers multi-symptom, profile-based tailored intervention, steps up intensity over time and thus optimises the potential benefits to be gained through the digital intervention, and 3) evaluates implementation feasibility. This project will determine the optimal way to deliver a digital and population-level model of care and has the potential to reach many more thousands of young Australians.

Priority Area	Chief Investigator	Project Title
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ATSI Peoples	Professor Pat Dudgeon	Generating Indigenous patient-centred, clinically and culturally capable models of mental health care
ATSI Peoples	Doctor Michael Wright	Our Journey, Our Story: Building bridges to improve Aboriginal youth mental health and wellbeing

s 47C, 47E(d), 47F, 47G

ATSI Peoples	Professor Sandra Eades	Bringing family, community, culture & country to the centre of health care: culturally appropriate models for improving mental health & wellbeing in Aboriginal and Torres Strait Islander young people
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Children and Young People	Doctor Simon Craig	The Kids are Not Okay: Emergency Department management of acute mental health crises in children and young people
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Children and Young People	Doctor Sonja March	Translating evidence-based interventions into population-level digital models of care for child and adolescent mental health
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s 47C, 47E(d), 47F, 47G

Eating Disorders	Doctor Sarah Maguire	MAINSTREAM Centre for Health System Research & Translation in Eating Disorders: detection and intervention system-focused knowledge to drive better outcomes in mainstream care for eating disorders.
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s 47C, 47E(d), 47F, 47G

Eating Disorders	Associate Professor Matthew Fuller-Tyszkiewicz	Leveraging digital technology to reduce the prevalence and severity of eating disorders in Australia
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The Million Minds Mission will assist an additional one million people who might not otherwise benefit from mental health research and trials to be part of new approaches to prevention, detection, diagnosis, treatment and recovery developed from the work of the Mission.

The Mission will provide \$125 million under the Medical Research Future Fund (MRFF) to support innovative, participatory, and intervention focused research into the causes of mental illness, and the best early intervention, prevention and treatment strategies. Contributions from philanthropic organisations, other governments, industry, and the private sector will be sought to increase the reach of the fund.

The Mission will concentrate research efforts into areas of critical importance to national mental health and wellbeing, and those not already targeted through existing initiatives. It will ensure that mental health research is translated into practice – enabling science and services to work together towards interventions and treatments that will reduce the prevalence of mental illness and prevent suicide, improve care, and reduce mortality associated with mental illness in Australia.

Research is essential for improving knowledge of the causal and contributing factors to mental illness, and particularly the effective prevention, detection, diagnosis, and treatment of these issues.

This commitment will complement existing mental health research initiatives, extend Government support for the 5th National Mental Health and Suicide Prevention Plan, and ensure all Australians have access to the best possible mental health care.

Guiding Investment Principles

- All Australians, irrespective of background, circumstances, or geography, should have access to evidence-based, best-practice mental health and suicide prevention, treatment, and care.
- The focus of this Mission will be on research into interventions that are innovative and have the ability to transform current prevention and treatment without duplicating the efforts of existing initiatives.
- Research that acknowledges, and aims to understand, co-morbidities is important for delivering better care for those with mental illness and at risk of suicide.
- Research should directly involve members of the community and be translational in nature.
- Consumers, carers, and individuals with lived experience are partners and should be engaged throughout the research lifecycle. Genuine co-design and participatory opportunities to help guide research should be encouraged.
- Domestic and international collaboration should be encouraged and facilitated where possible.
- Enhancing mental health research relies on increasing the capacity and resources of the sector, and on improving alignment of research with the needs of consumers and clinicians.



THE NEED FOR MORE RESEARCH

The impact of mental illness is considerable and continues to grow. Mental illness is the leading cause of both disability and premature death in Australia. Almost one in two Australians over age 16 will experience a mental health condition at some point in their lives, and suicide is ranked as the 15th leading cause of death. Mental illness and suicide have a profound effect on individuals and the community.

Research into the causes of mental illness, and prevention, early intervention, and treatment strategies is critical for reducing their prevalence and impact. The Million Minds Mission will support this essential research and develop greater capacity in the field, enabling Australia to deliver effective targeted solutions.

MEDICAL RESEARCH FUTURE FUND

The MRFF demonstrates the Government's commitment to health, medical research, and innovation. It provides a long-term, sustainable source of funding for endeavours that seek to improve health outcomes, quality of life, and health system sustainability. The MRFF provides a dedicated means of supporting targeted research in areas of key national priority.

THE MILLION MINDS MISSION



Australian Government

Investment Priorities

THE ORIGINS OF MENTAL ILLNESS

Understanding of the causes of and contributory factors to mental illness and suicide across the lifespan is a key part of the development of new approaches to prevention, detection, diagnosis, early and successful intervention and treatment. The Mission will stimulate research into interventions through the lens of which the biological, genetic, environmental, and social causes of mental illness and associated co-morbidities may be better understood.

ABORIGINAL AND TORRES STRAIT ISLANDER MENTAL HEALTH

Aboriginal and Torres Strait Islander people experience higher levels of certain mental illnesses and higher rates of suicide deaths than other Australians. The Mission will fund research into more effective approaches that are tailored to the specific needs of these communities, respect the agency of Aboriginal and Torres Strait Islander people, and are delivered in culturally safe ways.

CHILD AND YOUTH MENTAL HEALTH

More than three quarters of mental health problems begin before the age of 25, and have a lifelong impact. Development of effective solutions for children and youth will yield the greatest lifelong benefits to individuals and communities. The Mission will support participatory mental health research into prevention and wellness, early intervention and treatment strategies for children, youth and emerging adults.

CRITICAL AND EMERGING PRIORITIES

Some conditions affect certain cohorts of individuals disproportionately, are particularly prevalent, or are generally poorly understood. The Mission will provide responsive support to address key areas of need in all life stages. **The initial focus under this priority will be eating disorders.**

RESEARCH CAPACITY AND RESOURCES

The Mission will support Australia's capacity for world-leading research by cultivating the workforce and providing additional resources required to further strengthen the sector. This will include:

- The creation and better use of data sets, registries and models
- Establishing Clinical Trials Networks to facilitate greater collaboration
- Awarding early and mid-career fellowships
- Fostering the development of new centres of collaboration and research excellence
- Supporting priority initiatives to encourage domestic and international collaboration, including attracting international talent.

Research targeting Aboriginal and Torres Strait Islander mental health and growing Australia's research capacity and resources will be encouraged throughout the Mission, and across its priority areas.

Implementation Roadmap

PHASE 1

An Advisory Panel will be established to assist the development of program guidelines to ensure appropriate and transparent review and funding of proposals; provide recommendations on the investment priorities; leverage co-investment; and contribute to assessing the progress of the Mission.

PHASE 2

A call for proposals will be issued. The priorities of the first tranche of funding will include:

- Child and youth mental health
- Eating disorders
- Mental health of Aboriginal and Torres Strait Islander peoples

Funding will be provided to ensure that the sector has the research resources and capacity to deliver on the Mission's aims. All proposals will be reviewed and assessed in keeping with the MRFF Funding Principles to ensure investment in research excellence.

PHASE 3

The investment priorities will be reviewed by the Advisory Panel to ensure alignment with other initiatives. The Mission will continue to target critical and emerging priorities. Further calls for proposals will be issued on a rotating basis to ensure a predictable stream of research funding opportunities.

Media release

\$27 million investment in mental health research through the Million Minds Mission

The Australian Government is supporting the best and brightest medical researchers under the first grant opportunity of the Million Minds Mental Health Research Mission.

More than \$27 million from the Medical Research Future Fund has been allocated to seven research projects across Queensland, New South Wales, Victoria and Western Australia.

The funding will support research in the Mission's first priority areas: the prevention, identification and treatment of eating disorders, the mental health of children and young people, and the mental health of Aboriginal and Torres Strait Islander people.

Of the successful projects, research will include a focus on culturally appropriate models of mental health care for Aboriginal and Torres Strait Islander young people, translating evidence-based interventions into population-level digital models for children and adolescents, and the use of technology to reduce the prevalence of eating disorders.

By supporting research into the impact and causes of mental illness and prevention, early intervention and treatment strategies, the Australian Government is backing Australian researchers to support effective targeted solutions.

This funding continues the Government's strong commitment to supporting the best health and medical research.

The Government is prioritising better mental health for all Australians with an additional \$736.6 million for mental health announced as part of the 2019-20 Budget.

Priority Area	Institution	Chief Investigator	Project Name
The Mental Health of Aboriginal and Torres Strait Islander people	Curtin University	Associate Professor Michael Wright	Our Journey, Our Story: Building bridges to improve Aboriginal youth mental health and wellbeing
The Mental Health of Aboriginal and Torres Strait Islander people	University of Melbourne	Professor Sandra Eades	Bringing family, community, culture and country to the centre of health care: culturally appropriate models for improving mental health and wellbeing in young Aboriginal and Torres Strait Islander people
The mental health of children and young people	Monash University	Professor Simon Craig	The Kids are Not Okay: Emergency Department management of acute mental health crises in children and young people
The mental health of children and young people	University of Southern Queensland	Associate Professor Sonja March	Translating evidence-based interventions into population-level digital models of care for child and adolescent mental health
The prevention, identification and treatment of eating disorders	Deakin University	Associate Professor Matthew Fuller-Tyszkiewicz	Leveraging digital technology to reduce the prevalence and severity of eating disorders in Australia

The prevention, identification and treatment of eating disorders	University of Sydney	Doctor Sarah Maguire	MAINSTREAM Centre for Health System Research & Translation in Eating Disorders: detection and intervention system-focused knowledge to drive better outcomes in mainstream care for eating disorders
The Mental Health of Aboriginal and Torres Strait Islander people	University of Western Australia	Professor Pat Dudgeon	Generating Indigenous patient-centred, clinically and culturally capable models of mental health care

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