Medical Research Future Fund (MRFF) Rapid Applied Research Translation (RART) Impact Grants Round 1 & 2

Round 1 – Commence 1 January <u>2018</u>				
Title	**Year**	**Project Lead & Institution**	**Other Investigators & Institutions**	**Summary**
Abbreviations: University of South Australia (UniSA), University of Adelaide (AU), Flinders University (FU), South Australian Health & Medical Research Institute (SAHMRI), Royal Adelaide Hospital (RAH), The Queen Elizabeth Hospital (TQEH), CALHN (Central Adelaide Local Health Network), Country Health SA (CHSA), Women's and Children's Health Network (WCHN), Aboriginal Health Council SA (AHCSA), Northern Adelaide Local Health Network (NALHN)				
SA Aboriginal Chronic Disease Consortium: Improving Care across the Continuum	2018	Professor Alex Brown, SAHMRI		This project proposes the establishment of a detailed program that: a) Improves the coordination and provision of comprehensive post-discharge care and rehabilitation for Aboriginal patients hospitalised due to a chronic disease or complication, and b) Establishes and reports on a detailed monitoring and evaluation framework to track progress in chronic disease outcomes.
Reducing morbidity mortality and costs by initiation of in-hospital integrated care for patients with Type 2 Diabetes (The REMIT-2-D Project)	2018	Professor Gary Wittert, AU		The overall aim of this project is the development of an Integrated Care Model for patients admitted to hospital and found to have diabetes associated with multi-morbidity, or poorly controlled diabetes, or to be considered for other reasons to have a high risk of adverse outcomes necessitating readmission.
The Beat Bowel Cancer Project: Prioritizing cancer control investments to reduce colorectal cancer deaths in SA	2018	Associate Professor Caroline Miller, SAHMRI		The aim is of this project is to markedly reduce (eliminate) preventable deaths from colorectal cancer in the South Australian population via evidence-driven interventions (primary prevention, secondary prevention and treatment).
Measure and inform cardiac rehabilitation services across Australia.	2018	Professor Steve Nicholls, SAHMRI		This project will set up systems and projects to support the measurement, monitoring and delivery of cardiac rehabilitation services in South Australia. The SA Centre has enabled all key cardiac rehabilitation stakeholders across SA to work together with the aim of improving the delivery of cardiac rehabilitation services by enhancing coordination, using innovative models of care and enabling monitoring systems. This project will build on existing state-wide activities to identify

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				improved pathways to ensure all patients have access to services that meet their needs while also monitoring service use and patient outcomes.
State-wide Healthy Ageing Registry in South Australia	2018	Professor Steve Wesselingh, SAHMRI		The key aim of this project is to establish a comprehensive State-wide Registry to support Healthy Ageing in South Australia. The Registry will generate unique data infrastructure, a longitudinal dataset with cross-sector data-linkage, powerful analytical and hypothesis-testing capacity while also producing robust evidence for cost-effective service innovations, models of care, and other solutions for the sector, now and into the future.
Stakeholder Access to Real-time PROMs Data for Joint Replacement	2018	Ms Cindy Turner, SAHMRI		This project involves the development of the infrastructure necessary to facilitate the translation of data collected through the Australian Orthopedic Association National Joint Replacement Registry (AOANJRR) Patient Reported Outcome Measures (PROMs) Project directly to stakeholders. The PROMs data collection project will include the facility for embedded clinical trials using a common participant information and consent platform, providing infrastructure for large scale, cost-efficient clinical trials in joint replacement surgery.
Reducing the Risk of Preterm Birth	2018	Professor Maria Makrides, SAHMRI		This project will use data from over 5000 pregnant women to identify those women who are at increased risk of early preterm birth due to an omega-3 insufficiency, and for whom omega-3 supplementation is most likely to reduce the risk of preterm birth and will result in the successful implementation of a new clinical pathway for a targeted omega-3 intervention during antenatal care.
Establishment of a SA Mental Health Registry for improving outcomes of SA Mental health care sector through better use of data	2018	Associate Professor Niranjan Bidargaddi,		The development of the proposed Mental Health Registry for SA is an essential first step to collect outcomes data in mental health care delivered in SA. The aim of this project is to establish the Registry. Analysis of data within the Registry will aid in the development of strategies to standardise treatment and provide stepwise guidelines, so the outcomes of specific interventions can be determined, with the goal of improving the quality of mental health care over time.

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Stroke data linkage – tracking the implementation of stroke reform in SA	2018	Associate Professor Susan Hillier, University of South Australia (UniSA)		This data linkage project aims to monitor statewide changes to service delivery on all stroke admissions, as well as monitoring variation in services across the Local Health Networks. The data will include both service delivery and patient outcomes up to 3 months post stroke service.
Round 2 – Recommended for funding, to commence 1 January 2019				
Improving wait times between a positive faecal immunochemical test (+FIT) and diagnostic colonoscopy: <120 days for all	2019	Professor Dan Worthley, SAHMRI	Carol Holden (SAHMRI), David Roder (UniSA), Tarik Sammour (RAH), Eddie Tse (AU), Ian Olver (UniSA), Tim Price (TQEH), Peter Bampton (RAH), Caroline Miller (SAHMRI), Oliver Frank (Medical Centre)	This project will help our target of eradicating bowel cancer death in Australia. Building on extensive earlier work, this project aims to reduce the time between screening and colonoscopy, as a key indicator of the efficiency and impact of the National Bowel Cancer Screening Program. This project will help hold front-line health services accountable for their performance, will identify new issues and ways to improve, and implement evidence-based practice that is yet to be implemented.
Translating evidence-based chronic breathlessness intervention services to South Australia: personal, clinical and cost effectiveness	2019	Dr Kylie Johnston, UniSA	Mary Young (RAH), Marie Williams (UniSA), Debra Kay (SAHMRI), Sara Booth (Cambridge University UK)	This project will adapt, deliver and evaluate a short home-based program that helps people to manage and cope better with breathlessness and conduct and evaluate a training course in breathlessness management, enabling clinicians to continue delivering such services beyond the life of this project.
Acting fast to increase time-critical stroke treatments to all South Australians	2019	Professor Susan Hillier, UniSA	Tim Kleinig (CALHN), Simon Koblar (AU), Jim Jannes (CALHN), Jyoti Khadka(UniSA), Karen Dixon (CHSA), Bruce Martin, Anne Hamilton-Bruce (TQEH), Austin Milton (TQEH)	This project will introduce a suite of system-wide stroke care improvements to reduce disparities and improve access to certain treatments, improve the speed they are administered, thus reducing death and disability from stroke, and improving patient flow through the SA Health system. The aim is to end the 'postcode lottery' that currently determines stroke outcomes.

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Safely sleeping Aboriginal babies in South Australia – doing it together	2019	Associate Professor Julian Grant, FU	Nicola Spurrier (SA Health), Nina Sivertsen (FU), Janiene Deverix (WCHN), Charlene Thornton (FU), Susan Dyer (WCHN), Maryanne Williams (AHCSA), Alice Steeb (WCHN)	This project will provide the opportunity for Aboriginal families to provide a safe sleep environment for their newborn babies while increasing awareness and knowledge of safe sleeping behaviours. It aims to reduce the gap between Indigenous and non-Indigenous rates of Sudden Infant Death Syndrome (3:1) and Sudden Unexpected Death in Infancy (4:1).
Healthy South: Testing the feasibility of the rapid translation of Health in All Policies (HiAP) ideas to create healthy urban environments, create health promoting services and stem the non-communicable disease epidemic in the Southern area of Adelaide	2019	Professor Fran Baum, FU	Tori Delany-Crow (FU), Helen van Eyk (FU), Carmel Williams (SA Health), Toby Freeman (FU), Colin MacDougall (FU), Matt Fisher (FU), Connie Musolino (FU), Michael McGreevy (FU), Maria Berrado (SALHN), Paddy Phillips (SA Health), Jonathon Craig (FU)	Examine the feasibility of a Healthy South initiative that will adapt a whole-of–community approach to creating health, wellbeing and low risk environments for non-communicable diseases. The research will focus on stimulating collaborative action and it will examine whether evidence and practice can be rapidly disseminated, while identifying any blocks to doing so.
Engaging with Aboriginal People to Improve Kidney Care and Outcomes in South Australia	2019	Dr Janet Kelly, AU	Stephen McDonald (SA Health), Shilpanjali Jesudason (SA Health), Tiffany Whittington (SA Health), Odette Pearson (SAHMRI), Melissa Arnold-Chamney (SA Health)	The over-arching aim of this collaborative project is to improve kidney care for Aboriginal people in South Australia. The project focuses on the needs and priorities of Aboriginal patients with complex care needs complicated even further by kidney failure.
Implementing a decision support tool to facilitate	2019	Associate Professor	Geoffrey Schrader (CHSA), Jorg Strobel	Explore whether the use of patients' MBS and PBS data consolidated in My Health Record via the AI2 platform can support improved decision

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early access to community-based care for people with severe mental illness		Niranjan Bidargaddi (FU)	(CHSA), Yasmin van Kasteren (FU), Tarun Bastiampillai (SA Health), Raghunandagn Parthasarghunandan (CALHN), Chris Burns (SA Health)	making by clinicians and other healthcare professionals and optimize health care for patients with severe mental illness by assisting the transition between community and primary care.
Initiation of a novel in-hospital intervention for patients with Type 2 diabetes	2019	Professor Gary Wittert (AU)	Mark Boyd (AU), Billinglsey Kaambwa (AU), Robert Adams (AU), Odette Pearson (SAHMRI), Isuru Ranasinghe (CALHN), Peak Mann Mak (NALHN), Elaine Pretourius	Implement and rapidly optimise an intervention for people admitted to the Lyell McEwin Hospital with a cardiac condition and found to also have type 2 diabetes based on an evidence-based Model of Care.

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Polypharmacy in the elderly	2018	Sarah Hillmer	D Le Couteur; SNSLD, SLHD, USYD	Minimising inappropriate polypharmacy among the elderly to reduce adverse drug events and improve quality of life
Maximising cures for HCV in marginalised communities	2018	Jacob George	G McCaughan; SLHD, WSLHD, USYD	Screening, treatment and cure of people with Hep C from socioeconomically disadvantaged groups, drug users and other marginalised people
Cardiology Rapid Access Clinics	2018	Clara Chow	Gemma Figtree, L Kritharides; NSLHD, SLHD, WSLHD, USYD	Implementing dedicated clinics to improve screening, management and outcomes of patients presenting to Emergency Dept with chest pain
OAChangeMap - osteoarthritis care	2018	David Hunter	NSLHD, SCHN, USYD	Developing and testing an implementation plan for a new care program for people with chronic osteoarthritis, and identifying enablers and barriers
PROSPER cancer genomic testing	2018	Dinny Graham	WSLHD, USYD	Developing more affordable genomic testing for breast cancer patients than is currently available
Predicting response to checkpoint therapy in lung cancer patients	2018	Barbara Fazekas de St Groth	S Kao, S Clarke, N Pavlakis, R Hui, D Karikios; NSLHD, SLHD, WSLHD, Chris O'Brien Lifehouse, USyd, Nepean Hosp	Developing and testing a blood test to predict which patients with advanced lung cancer are likely to benefit from checkpoint cancer therapy
Efficacy and safety of vaccination in "at risk" pregnant women and impact on infant immune responses to vaccines	2018	Nicholas Wood	T McGee, S Chua, M Nicholl, R Ogle, J Hyett; NSLHD, SCHN, WSLHD, USyd, NCIRS	Assessing the use of routine vaccines in pregnancy for women taking immune-suppressing medications (immune-suppressants) and their efficacy for mother and baby

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Enablers and barriers to implementing patient reported measures to improve patient self-management and behaviour change, clinical care and health services	2018	Madeline King	M Tinsley, C Rutherford, R Speerin, A Butcher, L Soars; NSLHD, WSLHD, USyd	Identifying enablers and barriers to implementing patient reported outcome measures among hospitals that have used them
SUCCESS: Supporting culturally-diverse adults with CKD to engage in shared decision making successfully (Phase II)	2018	Angela Webster	K Sud, E O'Lone, K McCaffery, H Shepherd, D Muscat; NSLHD, SLHD, WSLHD, USyd, Nepean Hosp	Developing and testing a smart phone app to support CALD patients with chronic kidney disease in treatment decision-making
Are we there yet? Optimising timing of planned birth to improve newborn outcomes and reduce health service costs	2018	Jonathan Morris	M Nicholl, T McGee, I Alahakoon, T Nippita, J Ford; NSLHD, WSLHD, USyd	Optimising timing of planned births to improve outcomes for infants and reduce health service costs
The implementation of an evidence-based treatment in the hospital-to-community pathways for children & adolescents with anorexia nervosa	2018	Sarah Maguire	S Madden, M Cunich; NSLHD, SCHN, SLHD, USyd, SESLHD	Evaluating implementation of a new evidence-based treatment pathway from hospital to community for children and adolescents with anorexia nervosa, and identifying enablers and barriers
Genomic eye medicine (GEM) initiative	2018	Robyn Jamieson	SCHN, WSLHD, USyd, Nepean Hosp, Syd Eye Hosp	Translating genomic testing for genetic eye disease into a hospital clinical setting
Using health data to improve outcomes for	2018	Jonathan Morris	NSLHD, SLHD, WSLHD, USyd	Using real time health data to address clinical variation and improve outcomes for patients with acute chest pain by giving clinicians visual data maps of patient journeys and outcomes

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patients with acute chest pain				
Using health data to improve outcomes for patients with cancer	2018	Tim Shaw	NSLHD, SLHD, WSLHD, Chris O'Brien Lifehouse, USyd	Testing the feasibility of providing real-time clinical data to multidisciplinary cancer teams to assess treatment variation and performance against benchmarks to improve cancer care
Round 2 – Recommended for funding, to commence 1 January 2019				
Reach Out: Maximising cures for HCV infection in marginalised communities: Microelimination	2019	Jacob George; University of Sydney	Geoff McCaughan; WSLHD, SLHD, Centenary Institute	to translate research interventions that have been shown to work (95% HCV cure rates) into practice with marginalised communities by developing models of care linking hospital specialists, primary health networks (PHN), general practitioners with staff in drug health services, methadone clinics, needle and syringe exchange programs and Aboriginal Health Services
SUCCESS: supporting culturally-diverse adults with CKD to engage in shared decision making successfully (phase iib)	2019	Angela Webster; University of Sydney	Danielle Muscat, Kamal Sud, Health Shepard, Kirsten McCafferty, Emma O'Lone, John Saunders, Aphra Robbins; NBMLHD,NSLHD, SLHD	To investigate the feasibility of implementing a re-imagined patient-engagement program to support informed decision-making by CKD patients with lower literacy and/or from CALD backgrounds. Proposal to enable a) informed choice and shared decision making, and b) facilitate patient involvement in planning and development of patient focussed care pathways
Self-management of musculoskeletal conditions: a RCT comparing clinic-based physiotherapy with home-based exercise programs	2019	Lisa Harvey; University of Sydney	Joanne Glinsky, Alison Hayes, Barbara Lucas, Deborah Taylor, Ian Starkley, Manuela Ferreira, Matthew Jennings; SWSLHD, WSLHD,NSLHD	to compare the effectiveness and cost effectiveness of F2F physiotherapy with a home-based physiotherapy program delivered via an app
Westmead Precinct sepsis pathway digital research platform proposal	2019	Naren Gunja; Westmead Hospital	Cheryl McCullagh, Amith Shetty, Angus Ritchie, Aldo Saavedra,	to develop an EMR sepsis quality pathway implementation-guided learning system to continuously iterate sepsis screening tools and algorithms

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			Jonathan Iredell, Benjamin Tang, Peter Kennedy, Malcolm Green; CEC, eHealth NSW, WIMR, USYD, SLHD, SCHN	
Development of web-based platform for accurate prediction of melanoma prognosis using Australian data	2019	Alexander Varey; Westmead Hospital	Serigne Lo, Richard scolyer, graham Mann, John Thompson, Georgina Long, Jonathan Stretch, Anne Cust; MIA, USYD, SLHD,WIMR,NSLHD	to use the world's largest single institution melanoma database to build a platform of web-based calculators tailored for the Australian population of melanoma patients
Molecular profiling of bowel polyps as a tool to define colonoscopy surveillance intervals	2019	Elizabeth Cayanan; RPA	Brendon Yee, Keith Wong, Craig Phillips, Ron Grunstein, Nathaniel Marshall; Woolcock institute, USYD	to demonstrate the utility of molecular profiling of adenomatous polyps to inform clinical pathways
Better participation in exercise for people aged 50+ and people with physical disabilities through health professional education	2019	Cathie Sherrington; University of Sydney	Bethan Richards, Louise Baur, Adrian Bauman, Lisa Harvey,Philayrath Phongsavan, Jennifer Allison, Anne Tiedemann, Ben Smith, Leanne Hassett, Kerry West, Chris Rissel, Jenni Cole, Jeff Walkley, Genevieve Dwyer; SLHD, SCHN, NSW Office of Preventative Health, Disability Sports	to evaluate the effects of comprehensive online training on health professional referral to suitable exercise and sport for people 50+ and people with physical disabilities

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			Australia, Belgravia Leisure, HNE Kids rehab community service	
Oximetry screening to detect sleep-disordered breathing in severe mental illness	2019	Ron Grunstein; Woolcock Institute of Medical Research	Tim Lambert, Brendon Yee, Angela D'Rozario, Nathaniel Marshall, Gislaine Gauthier, Doug McEvoy; Flinders University, RPA, USYD	to evaluate a model of care that detects and treats SDB in patients with severe mental illness via home oximetry
Scaling up a school-based fluoride varnish program for Aboriginal children in New South Wales	2019	Woosung Sohn; USYD	Heiko Spallek, Boe Rambaldini, Neeta Prabhu, Richard Widmer, John Skinner, Kylie Gwynne; SCHN, SLHD,	To scale up a current fluoride varnish program targeting Indigenous children in NSW, by extending the program over 18 mths (instead of 12 mths) and by expanding a current pilot to include schools from Western Sydney and Sydney Local Health Districts. It will also test a nationally agreed standard school-based fluoride varnish protocol that is simpler than the one being currently used
Making sense of splice variants in rare disease for precision and preventative medicine	2019	Sandra Cooper; SCHN	Kristi Jones, Robyn Jamieson, Bruce Bennetts, Michael Tchan, Carolyn Sue, Chris Semsarian, Lisa Ewans, Ron Trent, David Mowat, Jason Primer, Marina Kennerson, Garth Nicholson, Mark Davis, Sebastian Lunke; Victorian clinical genetics service, SLHD, SESLHD, NSLHD	to translate speciality splicing expertise into patient diagnostics for families with rare disease
Molecular profiling of bowel polyps as a tool to define colonoscopy surveillance intervals	2019	Alexander Engel; NSLHD	Mark Molloy, Michael Solomon, Anthony Gill, Ian Norton, Jean Yang; SLHD, USYD	to demonstrate the utility of molecular profiling of adenomatous polyps to inform clinical pathways

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Raine Secure Data Project	2018	Prof Peter Eastwood (UWA)	Dr. David Glance (UWA), Professor Leon Straker (Curtin), Dr. Manon Dontje (UWA), The Raine Study (UWA, Curtin University, Edith Cowan University, Murdoch University, University of Notre Dame, Telethon Kids Institute and Women and Infants Research Foundation)	Collaborative teams require secure analysis and archive spaces that are well governed, easy to access, technically secure, provide the appropriate analytic tools and can archive completed analyses for peer scrutiny subsequent to their publication. This project will develop a secure data analysis and archive space, using the WA Pregnancy Cohort (Raine) study as exemplar that can then be developed and applied nationally. The Raine study is a multi-generational longitudinal cohort study established in 1989-1991 with the inclusion of 2900 pregnant women. This cohort has provided environmental, developmental and health information over the past 27 years providing a unique and valuable resource covering a wide range of health areas.
Biobanks Project	2018	Dr Aron Chakera, Sir Charles Gairdner Hospital (SCGH) & Harry Perkins MRI	Dr Jenny Hui (UWA/ Pathwest), Prof Paul Watt (TKI), Dr David Martino (TKI) , Prof Desiree Silva (Joondalup Health Campus/UWA)	WA needs to establish a harmonisation sample collection, storage, curation and management system that will allow ethically acceptable standardisation across cohorts and registries. This project will produce an international scan of biobank resources, facilities, ethics and economics across Australia, the UK and Japan. Business models will be compared leading to a recommendation for establishment of a statewide facility. Telethon Kids Institute will prototype a biobanking informatics platform to enable research biorepository services to support medical research in WA. The platform will be piloted using the ORIGINS biobank, Australia's largest birth cohort of 10,000 families with extensive clinical data and biospecimens, with multiple sub-studies and complex multi-site workflows.
Round 2 – Recommended for funding, to commence 1 January 2019				
Early Career Fellowships in Translational Health Research	2019	Dr Gail Alvares (TKI), Ms Jodie Armstrong	Multiple, as each project is required to collaborate across a	Early Career Research Fellowships open to all health professionals with an emphasis on collaboration, leveraged funding and measurement of

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		(CAHS/Curtin), A/Prof Fenella Gill (CAHS/ Curtin), Dr Ariel Mace (CAHS/SMHS), Dr Luke Marinovich (Curtin), Dr Ashleigh McEvoy (ECU), Ms Belinda McLean (CAHS/Curtin), Dr Jing Pang (UWA), Dr Janessa Pickering (TKI), Dr Roslyn Ward (CAHS / Curtin), Dr Yue Wu (TKI)	minimum of 3 WAHTN partner organisations.	impact on improved patient outcomes. Recommendation has been made to award 11 Fellowship grants to the following projects: • Establishing an autism phenomics platform for Western Australia; • The Learn, Engage and Play (LEaP) Study: The Development and Evaluation of a Therapeutic Playgroup for Children with Developmental Delay; • Unifying systems for recognition and response to paediatric clinical deterioration in Western Australia; • FeBRILe3 – Fever, Blood cultures and Readiness for discharge in Infants Less than 3 months old; • Impact of consensus guidelines on margins for breast conserving surgery: translation to clinical care in WA; • Translation of "Liquid Biopsy" Research into Clinical Practice; • Implementation of an evidence-based allied health intervention to improve functional outcomes of children with cerebral palsy; • Translational research for improving the care of familial hypercholesterolaemia: closing the gaps; • Developing laboratory diagnostics for Strep A carriage: an essential step to progress vaccine and acute rheumatic fever primary prevention; • B2: I Can Communicate; • Prospective evaluation of a clinical decision-support tool to guide antibiotic selection for empiric treatment of urinary infections in children.
Development of a Research Project Online Management System (ROS)	2019	Prof Peter Eastwood (UWA)	Dr. David Glance (UWA), Professor Leon Straker (Curtin), Dr. Manon Dontje (UWA), The Raine Study (UWA/ Curtin/ECU/Murdoch/ Notre Dame/TKI/ Women & Infants Research Foundation),	This project aims to enhance researcher access to cohort data through development of a software platform to support governance, discovery and translation from large health datasets. The WA Raine Study has recently developed an online research project system to streamline and enhance the management, translation and dissemination of the Raine Study's numerous research projects and discoveries. This system will be extended and enhanced to enable other WA cohorts (eg ORIGINS , Joondalup Health Campus; WA Sleep Health Study, SCGH) to utilise the

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			The ORIGINS study (Joondalup Health Campus/TKI), The WA Sleep Health Study (SCGH)	platform, providing them with strong governance and translation of discoveries.
Evaluating the Impact of Androgens on Men's Health	2019	Prof Bu Yeap (UWA/Fiona Stanley Hospital)	Dr Kevin Murray (UWA), Men Androgen Inflammation Lifestyle Environment and Stress study (South Australia), the European Male Ageing Study (Europe), the Osteoporosis Fractures in Men Study Sweden (Europe), the Osteoporosis Fractures in Men Study USA (USA), the Cardiovascular Health Study (USA), Framingham Health Study (USA) and the Atherosclerosis Risk in Communities Study (USA)	This study will assess the influence of testosterone, the primary male sex hormone or androgen, on men's ability to age healthily. The study will establish an international collaboration of researchers interested in sex hormones and their role in men's health, with data pooled from nine existing cohort studies from Australia, Europe and the United States. This represents data from ~20,000 men, and presents a unique research resource of global significance. The major outcomes of interest are the relationships of sex hormones with: incidence of cardiovascular events, cardiovascular and all-cause mortality; cognitive impairment and incident dementia; incidence of and deaths from common cancers (colorectal, lung and prostate); social, demographic and lifestyle factors associated with endogenous sex hormone concentrations.
Increasing Translational Research Training Capacity	2019	A/Prof Rashmi Watson (UWA /WAHTN)	AHRA AHRTCs and CIRHs	This project aims to increasing research education and training capacity by undertaking a review of current contextualised research training across the AHRA Centres, and their partners, to map relevant research on-line education needs. The review will highlight potential duplication of resources and capture unmet needs and gaps in current research training. This audit will provide the basis for subsequent collaborative development of relevant, demand driven, translational focused on-line research training modules.

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Abbreviations: University of Melbourne (UoM), Murdoch Children's Research Institute (MCRI), Royal Children's Hospital (RCH), St. Vincent's Hospital Melbourne (SVHM), Melbourne Health (MH), Royal Women's Hospital (RWH), Peter Maccallum Cancer Centre (PeterMac), Royal Victorian Eye & Ear Hospital (RVEEH), Walter and Eliza Hall Institute of Medical Research (WEHI), Florey Institute of Neuroscience and Mental Health (Florey), Austin Health (AH), Olivia Newton John Cancer Research Institute (ONJCRI), Western Health (WH), Northern Health (NH), Bionics Institute (Bionics), Centre for Eye Research Australia (CERA), St Vincent's Institute of Medical Research (SVI), Mercy Hospital for Women (Mercy)

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Precision Medicine for Epileptic Encephalopathies	2018	Prof Ingrid Scheffer (UoM/RCH/Austin)	Prof Sam Berkovic (UoM); Prof Steven Petrou (UoM/Florey); Prof Sam Berkovic (Austin); Prof Melanie Bahlo (WEHI)	An integrated translational program with three components: 1. Gene discovery: to identify and characterise novel EE genes in cohort >700 patients through whole genome and whole exome sequencing 2. Functional studies: in vitro, in vivo and stem cell models to understand the impact of genetic mutations on protein function and identify novel pathways 3. Novel drug discovery platforms: pre-clinical studies of the impact of repurposed drugs and novel compounds on models of EE
Enhancing Muscle POWER in Geriatric Rehabilitation: EMPOWER-GR	2018	Prof Andrea Maier (MH/UoM)	A/Prof. K. Lim (MH); A/Prof. J. Schwarz (WH); A/Prof Kris Ghosh (WH); Dr. S. Brown (NH); Prof. G. Lynch (UoM); Dr. R. Koopman (UoM); Dr. C. Tuttle (UoM)	The project will address the challenge of physical deconditioning in patients with acute disease and highest risk of physical limitations, by counteracting sarcopenia through: 1. Diagnostics 2. Intervention - RCTs for nutritional and exercise interventions 3. Understanding of basic biological mechanisms 4. Implementation in geriatric rehabilitation settings 5. Dissemination - encouraging screening, diagnostics
Integration of retinal photography and artificial intelligence to build opportunistic screening services in primary care settings	2018	Prof Mingguang He (CERA/UoM)	Prof Hugh Taylor (UoM); Prof Jonathan Crowston (CERA/RVEEH); Dr Peter van Wijngaarden (CERA/RVEEH); Dr Richard MacIsaac (SVHM); A/Prof Robert Chang (Stanford University); Prof Kevin Frick (Johns Hopkins	This project will assess the impact of the new AI-based GP retinal screening model in identifying three types of eye disease (glaucoma, diabetic retinopathy and agerelated macular degeneration). Investigators have developed a web-based system that incorporates an artificial intelligence (AI)-based automatic grading algorithm on retinal imaging with proven efficiency and accuracy. The project will assess the impact, feasibility, and cost effectiveness of this model in a randomised trial.

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			University); Mr Wei Meng (Healgoo Tech Corporate); Director Yizhi Liu (Zhongshan Ophthalmic Centre, Guangzhou); Prof Tien Wong (Singapore National Eye Centre)	
Melbourne Thunderstorm Epidemic of Asthma: Solving the Puzzle	2018	Prof Jo Douglass (MH)	Prof A Stewart (UoM); A/Prof E Newbigin(UoM); Dr C Walter (UoM); Prof S Dharmage(UoM); Dr C Lodge (UoM); Dr D Kendal (UoM); Dr V Bryant (WEHI); Prof P Hodgkin (WEHI); Dr R Allan (WEHI); Dr N-S Harun (MH); A/Prof L Irving (MH); Dr K Spriggs (MH); Dr AM Southcott (WH); Prof C McDonald (AH); Dr M Sutherland (AH); Dr M Conron (SVHM) Commercial Partner: Seqirus Australia P/L Consumer Partners: Asthma Australia;National Asthma Council	This project proposes to establish potential and identify novel risk factors for severe asthma during this epidemic to inform future clinical interventions. Hospital and population-based case-control studies will confirm and quantify risk factors. It will also investigate treatment strategies by undertaking a clinical trial of sublingual grass-pollen desensitisation tablets in patients with allergic asthma. A prediction model will be developed to identify patients at risk, which will inform platforms for Health Services Research, clinical and public health translation.
Round 2 Projects – Recommended for funding, to commence 1 January 2019				
Tenecteplase versus Alteplase for Stroke Thrombolysis Evaluation	2019	Dr Andrew Bivard (UoM)	Prof Mark Parsons (MH); Prof Leonid Churilov (Florey); A/Prof Bruce	An ECR-led clinical trial to identify if early administration of oral thrombolytic agent, tenecteplase prior to hospital can improve

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Trial in the Ambulance (TASTEa)			Campbell (MH); A/Prof Bernard Yan (MH); Prof Stephen Davis (MH); Prof Geoff Donnan (Florey); Dr Lauren Sanders (SVHM); Prof Tissa Wijeratne (WH); Prof Vincent Thijs (AH); Dr Henry Zhao (MH); Skye Coote (MH)	outcomes from stroke, and reduce costs compared to standard care of IV alteplase in hospital.
Closing the gap on Indigenous cardiovascular (CV) health: Improving community outcomes through high impact policy relevant research.	2019	A/Prof Luke Burchill (MH/UoM)	Prof Sandra Eades (UoM); Dr Ngaree Blow (UoM); Prof Shaun Ewen (UoM); Prof Margaret Kelaher (UoM); A/Prof Elif Elkinci (AH); Prof Jon Emery (UoM); Dr Jo-Anne Manski-Nankervis (UoM); A/Prof Douglas Boyle (UoM); A/Prof An-Duy Tran (UoM); Mr Joshua Knight (UoM); Prof Julie Simpson (UoM); Ms Maureen Turner (BioGrid Australia Ltd)	An ECR-Indigenous clinician researcher-led primary care health data project to determine barriers to implementation of evidence-based-cardiovascular (CV) to Indigenous Australians compared to rest of the community.
Liberal glUcose Control in critically Ill patients with pre-existing type 2 Diabetes (LUCID): a phase IIB multi-centre parallel group randomised clinical trial	2019	A/Prof Adam Deane (MH/UoM)	Prof Rinaldo Bellomo (AH); A/Prof Craig French (WH); Dr Antony Tobin (SVHM); Dr James Anstey (MH); Dr Angaj Ghosh NH); Mr Alex Poole (University of Adelaide); Dr Mark Finnis (Royal Adelaide Hospital)	An ECR led multicentre randomised clinical trial to improve management of hyperglycaemia in type II diabetes patients in critical care, so that interventions occur only a higher blood glucose level. This trial aims to reduce hypoglycaemia and other complications of diabetes and ICU stay in this population.

Title	Year	Project Lead & Institution	Other Investigators & Institutions	Summary
			Prof Michael Horowitz (University of Adelaide)	
Integrating Osteoporosis in Primary Care: The Osteoporosis Risk and Management (ORMA) Project	2019	Prof Gustavo Duque (UoM)	A/Prof Craig Nelson (WH); Dr Alison Beauchamp (UoM); Prof Mathis Grossmann (AH); Dr Sharon Brennan-Olsen (UoM); Prof Kerrie Sanders (UoM); A/Prof Peter Hamblin (WH); Dr Sara Vogrin (UoM); Ms Solange Bernard (WH); Osteoporosis Australia; RACGP; Musculoskeletal Australia; Australian Institute for Musculoskeletal Science (AIMSS); Australian Health Policy Collaboration	This health services research study and fellowship seeks to evaluate effectiveness of scale up of a new, tested and osteoporosis e-technology platform in primary care to improve detection, management, and knowledge about osteoporosis by GPs.
Improving the care of children with frequent asthma admissions through partnerships with hospitals, GPs, and families.	2019	Prof Harriet Hiscock (MCRI/RCH)	Dr Katherine Chen (MCRI/RCH); A/Prof Lena Sanci (UoM); Dr David Tran (NH); Prof Colin Robertson (MCRI/RCH); Prof Peter Vuillermin (Barwon Health); Dr David Fuller (Barwon Health)	This health services/data research study and fellowship aims to reduce unnecessary, costly asthma re-admissions to paediatric and mixed adult/child emergency departments in children by analysis of health data to identify modifiable health system, primary care, and family factors associated with asthma re-admissions.
Future Health Today Project-Co-design of Prototype	2019	A/Prof Craig Nelson (WH)	Prof Jon Emery (UoM); Prof Jane Gunn (UoM); Dr Mukesh Haikerwal (Altona North Medical	This consumer co-designed study and fellowship will test the capacity of an e-technology platform to extract primary care data to facilitate chronic disease prevention in the community. The prototype will test

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			Centre); Dr Karyn Alexander (Altona North Medical Centre); Dr Jo-Anne Manski-Nankervis (UoM); A/Prof Douglas Boyle (UoM); Mr Ken Clarke (UoM); Dr Mark Taylor (UoM); Dr Natalie Lumsden (WH); Dr Julia Jones (WH); Prof Edward Janus (WH)	detection and management of chronic kidney disease in primary care to optimise health and improve quality of life.
A Prospective Preeclampsia/ Eclampsia Prevention Intervention ("APPLE PIE") study: a Flagship Trial for the MACH Women's and Newborn Clinical Trial Network	2019	Prof Susan Walker (Mercy/UoM)	A/Prof Lisa Hui (NH/UoM); Dr Stefan Kane (RWH/UoM); A/Prof Joanne Said (WH/UoM); Prof Stephen Tong (Mercy/UoM); Anna Middleton (Mercy/UoM); Dr Rangi De Silva (Mercy/UoM); Dr Fiona Brownfoot (Mercy/UoM); Dr Natalie Hannan (UoM); Dr Richard Hiscock (Mercy/UoM); Prof Ben Mol (Monash Health); Prof Sebastian Illanes (University de los Andes, Chile, South America); Dr Jenny Myers (Manchester	This multi-centre, randomized controlled clinical trial and fellowship across MACH newly assembled network aims to determine whether esomeprazole (a 'proton pump inhibitor') can prevent preeclampsia; and determine outcomes of women with a high Body Mass Index the most common risk factor for poor pregnancy outcome.

Title	Year	Project Lead & Institution	Other Investigators & Institutions	Summary
			NHS Foundation Trust); Dr Oliver Daly (WH/UoM)	

Round 1 – Commence 1 January 2018				
Title	**Year**	**Project Lead & Institution**	**Other Investigators & Institutions**	**Summary**
Our partners are: Hunter New England Local Health District (HNELHD), Central Coast Local Health District (CCLHD), Mid North Coast Local Health District (MNCLHD), Calvary Mater Newcastle, Hunter New England Central Coast Primary Health Network, Hunter Medical Research Institute (HMRI), University of Newcastle, University of New England (UNE).				
Health Systems Improvement and Sustainability Framework *This is our part of the HSIS work, but I think it may even be better to consolidate this into one summary on each NI.*	2018	Professor Andrew Searles, HMRI	Professor Christine Jorm and Professor Maree Gleeson, NSWRHP Penny Reeves, HMRI	HSIS has three priority areas, priority area three (*Health systems evaluation and assessing new models of care*) was led by NSWRHP. The objectives of priority three are to identify: 1. appropriate models for local evaluation of systems of care 2. gaps in the current healthcare environment for evaluation of systems of care 3. strategies that could be applied in the Australian setting to critically evaluate both systems and technology A report on the findings was prepared and this informed the high level Health Systems Improvement and Sustainability Framework. The outcomes of this work are that NSWRP will now test the principles of economic evaluation in all Round 2 RART grants.
Round 2 – Recommended for funding, to commence 1 January 2019				
Economic Evaluation – Overarching platform				
Health Systems Improvement and Sustainability Framework	2019	Professor Andrew Searles, HMRI		All of the RART projects listed above will have an economic evaluation undertaken. This will use the information and recommendations generated during 2018 in the 2018 National Initiative work. Economic evaluation forms an overarching project area for all work undertaken by the NSWRHP. These evaluations will assess each project and their value. They will be an opportunity to apply the national framework and refine if required.

Title	Year	Project Lead & Institution	Other Investigators & Institutions	Summary
Telehealth Projects				
Acute Telestroke Implementation to increase Treatment rates and improve outcomes for rural and regional stroke patients	2019	Professor Neil Spratt, HNELHD	UON, CCLHD, MNCLHD, HMRI External: NSW Ambulance, Agency for Clinical Innovation, eHealth NSW	A telehealth system to allow accurate identification and transfer of all patients in Northern NSW who are eligible for endovascular clot removal (ECR), and to provide neurologist support to rural centres to boost rates of thrombolysis with intravenous tissue plasminogen activator (tPA) will be implemented and the implementation evaluated. The service will provide neurologist videoconferencing and advanced CT imaging-supported stroke treatment in seven rural hospitals. Agreed protocols will be supported by training simulations for clinicians.
Aboriginal Health Projects				
Embedding cultural safety in child protection policies for Aboriginal families in NSW paediatric care settings	2019	Tara Flemington, MNCLHD	UNE, UON, HNELHD, HMRI External: Sydney university, Sydney Children's Hospital Network (Randwick)	A guideline will be developed based on assessment of four key strengths of Australian Aboriginal cultural practices in family life to assist healthcare professionals in communicating and working with Aboriginal families and children towards positive outcomes for their communities.
Tailoring strategies to improve child immunisation in areas of low coverage in Local Health Districts in NSW through partnerships and community engagement	2019	Paul Corben, MNCLHD	UON, HNELHD, CCLHD, HMRI	In this project a Tailored Immunisation Program will be developed and concurrently implemented in four communities. Pockets of low childhood immunisation coverage will be identified, underlying reasons explored and mitigating health service delivery strategies identified. These are likely to include primary care or community health-related immunisation settings where new collaborations or improvements to service effectiveness could be made. The project aims to increase immunisation rates in these areas.
Healthy Weight Projects				
Increasing the implementation of mandatory physical activity policy in NSW primary	2019	Nicole Nathan, HNELDH	UON, CCLHD, MNCLHD, HMRI	All states have policies requiring the weekly provision of planned physical activity (PA) for school students. Despite this <20% of schools implement such policies. This project will see the roll out of a co-developed model of implementation support. The model aims to

Title	Year	Project Lead & Institution	Other Investigators & Institutions	Summary
schools across three NSW jurisdictions				overcome schools' barriers to the implementation of the mandatory NSW PA policy.
Using technology platforms to improve the use of chronic disease prevention services to reduce child obesity	2019	Luke Wolfenden, HNELHD	UON, CCLHD, MNCLHD, HMRI	This project aims to increase the use of evidence-based government services by delivering health information and referral direct to parents. Primary schools will be recruited to participate in an electronic messaging program. Electronic messages, based on the health belief model, will be delivered to parents via an app. Messages will inform parents of existing free government services, targeting motivation to participate in programs and provide links to enrolment pages.
Thirsty? Choose Water! Behavioural Interventions and Water Stations in rural/remote secondary schools	2019	Nicole Kajons, CCLHD	UON, HNELHD, MNCLHD, HMRI	The project aims to determine if a behavioural intervention and chilled water stations, alone or combined, increase water consumption and effect changes in students' knowledge, attitudes or consumption of soft drinks, cordial and sports drinks. Regional schools will receive either one of three interventions or be assigned to the control arm.

Round 1 – Project commencement 1 January 2018				
Our partners are: Alfred Health, Monash Health, Monash University, Peninsula Health, Eastern Health, Cabrini Health, Epworth HealthCare, Burnet Institute, Hudson Institute and Baker Heart and Diabetes Institute.				
Title	**Year**	**Project Lead & Institution**	**Other Investigators & Institutions**	**Summary**
Expanded analysis of the Victorian Cardiac Outcome Registry 2015-2017 to address barriers and improve patient outcomes in the era of field-triage	2018	Profs Jim Cameron (Monash Health) David Kaye (Alfred Health)	Monash Health, Eastern Health, Peninsula Health, Epworth HealthCare, Alfred Health	The impact will be the achievement of international standards in door-to-balloon time for patients with acute cardiovascular events. The differing unit sizes, public/private ratios and geographical diversity of Monash Partner services will allow extrapolation and sharing of the findings to the broader Victorian and Australian setting via AHRA and clinical networks with translation via VCOR, a State government initiative to benchmark safety and quality of coronary intervention in Victoria.
Using data linkage between general practice and acute care settings to reduce avoidable hospitalization.	2018	Prof Danielle Mazza (Monash University)	Monash University, Monash health, South Eastern PHN	The impact will be enhanced integration of care between primary and acute care settings to prevent illness and reduce avoidable hospital utilization. Translation will be via Monash Partners, providing a unique opportunity to improve integrated data linkage between general practice and large regional hospital networks, drive health service improvement, and capture and share learnings across the AHRTC and the AHRA to improve quality sustainable healthcare and health outcomes for patients
Ensuring HIV positive people are retained in care for best health outcomes to minimise HIV transmission in Australia	2018	Profs Anton Peleg (Alfred Health, Monash University) and James McMahon (Alfred Health)	Alfred Health, Monash Health, Burnet	The impact will be enhanced retention of HIV positive people in health care, and improved uptake of effective HIV therapies to optimise health outcomes and minimise HIV transmission in Australia. The translation will be via a state wide network that covers 90% of people living with HIV across Victoria with further national scale up to eliminate HIV transmission.
Implementation of an Enhanced Recovery After Surgery (ERAS) Program for	2018	Prof Paul Myles (Alfred Health)	Alfred Health, Monash Health, Epworth, Monash University	The impact will be reduced variation and improved quality of care following hip and knee surgery with enhanced patient reported and valued outcomes. The translation will be via three major hospitals in the

Title	Year	Project Lead & Institution	Other Investigators & Institutions	Summary
Hip and Knee Replacement Surgery				pilot with scale-up to all Monash Partners and shared learnings to other AHRTCs.
Scaling up a health broker intervention to improve access to primary care for vulnerable patients	2018	Prof Grant Russell (Monash University, Primary Care)	Monash University, Monash Health, Enliven	For vulnerable patients, the impact will be access to ongoing primary care delivery, with better options for after-hours care and coordination of their health care needs. Translation will involve embedding processes into large community Monash Partners programs and sharing learnings.
Improving access to new treatments for patients with Myeloma through a new clinical trials platform	2018	Prof Andrew Spencer (Alfred Health)	Monash University, Alfred Health, Peninsula Health, Eastern Health, Cabrini Health, Epworth, Monash Health	The impact will be improved patient access to new therapies for Myeloma via a new innovative clinical trials platform. Translation will occur by applying learnings and processes through expansion of the Myeloma and Related Diseases Registry, an established clinical registry at 24 Australian/NZ sites, as a platform to perform registry-based early phase clinical trials.
Towards integrated care: improving patient and frontline staff engagement and experience of ambulatory care referral and communication processes	2018	Dr Tracy Robinson (Monash University)	Eastern PHN, Peninsula, Alfred, Eastern Health, Monash University, Carrington Health	The impact will be patient centred co- designed model for integration of care, improved patient and health professional experience, communication, triage, and access to hospital and community based ambulatory care. Translation will embed the uniform communication process, tools and pathway across Monash Partners services and PHNs to align, share learnings and integrate efficient patient centred processes across the care continuum.
Reducing the evidence practice gap in preventing rehospitalisation and recurrences following stroke	2018	Prof Amanda Thrift (Monash University)	Monash University, Monash Health, Eastern health	The impact will be reduced variation in discharge practices and stroke education between rural and urban settings with improved patient outcomes. Translation is via two large metropolitan health services with a further established data linkage program enabling expansion Victoria wide with learnings shared nationally.
Identifying the determinants of narcotic and radiological imaging overuse for low back pain	2018	Dr Donna Urquhart (Monash University)	Monash University, Alfred Health, Monash Health	The impact will be reduced variation in care, less use of costly inappropriate imaging and improved clinical outcomes through reduced reliance on narcotics. Translation will be via Monash Partners health services who will implement imaging algorithms across the partnership and via engagement with the MBS task force.

Monash Partners Round 1 & 2: MRFF RART Impact Grants

Title	Year	Project Lead & Institution	Other Investigators & Institutions	Summary
in community-based women				
A large scale approach to improving lung cancer care and health outcomes: assessment of best practice using a clinical quality registry	2018	Prof John Zalcberg (Monash University, Alfred Health)	Monash University, Alfred Health, Monash Health, Cabrini health, Epworth, Eastern health	The impact will be monitoring and improvement of quality of lung cancer care nationally, to ensure that all Australians have access to the best possible, cutting-edge care. Translated will be through expansion of the existing Victorian Lung Cancer Registry to 30 new sites to create strong linkages with primary care, capture data from vulnerable populations and build the foundation for a national clinical quality registry to measure and understand variation with best practice that determine optimal clinical and patient outcomes.
Health-care for co-morbid diabetes and chronic kidney disease	2018	Prof Sophia Zoungas (Monash University)	Monash Health, Alfred Health, Peninsula Health, Monash University	The impact will be optimal co- designed patient centred care through an integrated person-centred model of care for co-morbid diabetes and chronic kidney disease across integrated primary and specialist care. Successful model of care across other partner health services and primary care partners with the potential for further scale-up across Australia and across other multi-morbidity and complex health–care needs.
Victorian Obstetric Anal Sphincter Injury (OASIS) Quality of Care Improvement Project: Improving incidence, management and outcome reporting in Perinatal Data Collections (PDC)	2018	A/Prof Sue Evans (Monash University)	Monash University, Monash Health, Peninsula Health, Eastern Health	This work will optimize the use and quality of routinely collected minimum data set to reduce clinical variation, patient morbidity and community costs from OASIS through clinically led improved management and outcome reporting in Perinatal Data Collections. Translation will be via the women's health Monash Partners theme, MACH AHRTC and State Government joint leadership team. This project established a state-wide collaboration in perinatal data collection with Government through Safer Care Victoria with intentions to support this once established through MRFF funding.
Round 2 – Recommended for funding, to commence January 2019				
Data Driven Health Care Improvement Projects				
Innovative use of AI for antifungal stewardship in patients with blood cancer	2019	Dr Michelle Ananda-Rajah (Alfred Health)	Alfred Health, Monash Health, Eastern Health, Monash University,	This project will provide hospitals with the mechanisms for performing real-time surveillance and audit of fungal infections in blood cancer patients through the innovative use of world first technology based on

Title	Year	Project Lead & Institution	Other Investigators & Institutions	Summary
				artificial intelligence. Surveillance and audit of fungal infections with timely feedback of gaps in practice will drive improvements in care, benefiting patients and hospitals alike. The impact of this project will be: earlier diagnosis of fungal infections, enhanced prevention and more appropriate use of antifungal medications, and promotion of Artificial Intelligence based technologies in health care.
Data linkage to provide near real-time monitoring of cardiac surgical performance: A local pilot for a national process	2019	A/Prof David Pilcher (Alfred Health)	Alfred Health, Cabrini, Monash University	This project will enhance surgical outcomes through real-time monitoring of cardiac surgical performance. The system will enable early detection of changes in quality of care followed by rapid intervention, to understand why this change has occurred and improve patient outcome and experience. Translation is through Monash Partners member organisations initially, potential to scale up across jurisdictions via AHRA networks and translation centres.
Development of health data research incubator hubs to stimulate partnerships across academic, clinician, community, primary care and industry stakeholders	2019	Dr Joanne Enticott (Monash University)	Multiple	The development of health data research incubator hubs has been prioritised by AHRA through a national evidence based priority setting process. MP will build on, contribute to and leverage knowledge and strength from data driven health care improvement across the AHRTC hubs. We will engage with (qualitative and quantitative research) national and international Centres to determine needs and co-design these hubs to meet stakeholder needs.
Development of a data harmonisation road map to inform linkage of data to improve maternal health outcomes	2019	Dr Negar Naderpoor (Monash Health)	Multiple	We will share and harness collective learnings from MP and with other Centres and explore streamlining activities to improve linkage and data sharing. This project will develop a data harmonisation road map to inform linkage of data to improve maternal health outcomes. Academic, clinician, primary care and industry stakeholders will be engaged to extract learnings; capture exemplars; and inform on enablers, barriers and optimal processes for linkage of data. The final report will include a road map and will be made available nationally to guide data linkage activities.
Development of a data harmonisation road map to inform linkage of prehospital and emergency	2019	Dr Kathryn Eastwood (Monash University)	Multiple	This project will develop a data harmonisation road map to inform linkage of data to prehospital and emergency data. Academic, clinician, primary care and industry stakeholders will be engaged to extract learnings; capture exemplars; and inform on enablers, barriers and optimal

Title	Year	Project Lead & Institution	Other Investigators & Institutions	Summary
department data				processes for linkage of data. The final report will include a road map and will be made available nationally to guide data linkage activities.
Health services research and implementation projects				
Eliminating hepatitis C among people who inject drugs: enhancing testing and linkage to care from hospital to community settings	2019	Dr Joseph Doyle (Alfred Health)	Alfred Health, Burnet Institute, Monash University NHMRC Partnership for Hepatitis C Elimination. Primary care clinics with linkage to Alfred Health Hepatitis Service (Access Health, Innerspace)	Over 150,000 Australians living with hepatitis C have not yet been treated. Our national elimination strategy will not be successful unless we treat large numbers of people at ongoing risk of hepatitis C transmission, largely people who inject drugs. Integrating hospitals into hepatitis C care will improve testing, treatment and cure. This project will develop pathways through emergency departments and key inpatient services to routinely offer testing and linkage to hepatitis C care. This project bridges the implementation gap between highly curative hepatitis C treatment and poor treatment update among those most affected. This project will enable Australia to end the hepatitis C epidemic sooner and at lower cost, which otherwise will cost Australia $7.1 billion by 2030.
Integrating care via a volunteer-based patient-centred program for hospitalised patients with dementia and/or delirium: The MIcare Ageing Project.	2019	Prof Helen Skouteris (Monash University)	Alfred Health, Monash Health, Peninsula Health, Sydney Partnership for Health, Education, Research and Enterprise, BaptCare	The management of patients with Dementia and Delirium is complex and expensive with one in four people with dementia requiring a hospital stay each year. Patients with dementia and/or delirium are often discharged with complex medical problems and high vulnerability, increasing their risk of poor outcomes. This project is an innovative integration of programs to support patients with Dementia and Delirium in hospital and at home. The MIcare ageing project combines Volunteer Dementia, Delirium Care and BaptCare's community support program. This project aims to deliver enhanced inpatient and post-discharge care resulting in reduced hospital admissions and healthcare costs.
Bringing the clinic to the people: "Pop-Up" primary health care in south-east Melbourne.	2019	Grant Russell (Monash University)	Monash Health, Monash University, Primary care such as The Innovative Models Promoting Access-to-Care Transformation Centre of Research Excellence in Primary Health Care; Primary Health Care	Community improves dramatically when there is easy access to, in particular, high quality primary health care. Poor access to community based Primary Health Care (PHC) leads to overloaded emergency departments, avoidable hospitalisations, increased costs and poor health outcomes. PHC is hard to access in some parts of south-east Melbourne – especially for people who live in the outskirts of the city, those who have limited transportation options, difficulties with language or reduced income. Even harder for GPs and other PHC professionals to assist these vulnerable people gain assistance from other local health and welfare

Title	Year	Project Lead & Institution	Other Investigators & Institutions	Summary
			organisations, enliven (trading name of SEHCP), the Central Bayside Community Health Services	agencies. This project aims to co-design a PoP-Up primary health care model in south-east Melbourne, designed around the real needs of the community. The impact will be improved access to patients from remote areas to community health care services and development of an implementation roadmap with evidence to scale up similar models across Australia.
Bridging the communication gap between primary care providers and aged care residents to minimise preventable ED admissions	2019	Terry Haines(Monash University)	Monash Health, Monash University, Peninsula Health Primary care	Residents of aged care homes (ACH) represent one of the sickest and most vulnerable members of the community and frequently suffer from acute, chronic and complex conditions. This project aims to investigate the relationship between linguistic discordance and unplanned emergency department transfers for Low English Proficiency residents, identify barriers to accessing high quality primary health care providers and improve community care delivery. The project will deliver guidelines and provide recommendation for policy makers to improve utilisation of Translation and Interpreting Services for ACHs, accreditation standards and funding policy for aged care home, influence syllabus and education of post-graduate interpreting and medical students. The project will enable improved collaboration between primary care and aged care homes.
Clinical Innovation: development and translation of innovations in healthcare				
Expanding home based care for jaundiced infants	2019	A/Prof James Doery & Prof Shen Wei (Monash University)		Home-based monitoring and care of low-risk jaundiced infants is an effective way to ease the pressure on our hospitals and improve patient experience. This new model of medical care requires new diagnostic and treatment technologies to support it. This project will deliver low-cost and user-friendly technology to support long term, sustainable, home based care for jaundiced infants. This project will also enhance other types of diagnostic tests commonly performed on infants that require knowledge of infant's age (in hours) and use very small volumes of blood (finger or heel pricks). A key outcome of this research is the development of technology that supports point-of-care tests.
Strategic prioritised research				

Title	Year	Project Lead & Institution	Other Investigators & Institutions	Summary
Stakeholder engagement and priority setting using Delphi and nominal group research processes to progress Theme flagships that directly benefit our community	2019	Leads of Monash Partners Clinical Themes	Multiple disease themes	This project will engage MP theme leads, members, leadership of relevant partner organisations and consumers in a formal evidence based priority setting process to identify and progress Theme flagship projects. The impact of this project will be impactful research projects with genuine health care benefit for the community.
Development of a road map for a clinical research facilitation hub across AHRA/MP	2019	Kurian Thomas		Lack of a national framework and coordinated approach are widely recognised as key barriers in the clinical research sector. This project aims to scope clinical trial activity across MP and AHRA, identify key barriers, and engage with key stakeholders from the sector to develop a roadmap to inform development of a cross cutting clinical research platform, aligned to a national framework. The purpose of the platform is to enable and support high quality research and increase clinical research activity nationally.

….Round 1 & 2: MRFF RART Impact Grants