

Blood Synergy



Making Better Use of Blood

The Blood Synergy is an NHMRC-funded program of research providing new knowledge on conventional and novel blood products, transfusion practice, and health systems and health economics data to tackle the fundamental questions: ***How is blood used in Australia, and how can its use be improved and made more cost-effective?***

Our research addresses Australia's national transfusion research priorities to deliver safer and more appropriate transfusion support for patients, help guide better stewardship of national blood supplies, and reduce costs to the community.

The Blood Synergy program is managed by the Transfusion Research Unit, in the School of Public Health and Preventive Medicine, Monash University. We welcome enquiries about the program and collaborative opportunities.

Clinical Research Excellence

We are an alliance of Australian and international clinical researchers, with expertise in haematology and transfusion medicine, emergency and trauma, military medicine, critical care, anaesthesia, nursing, transfusion laboratory science, public health, epidemiology, biostatistics, health economics, and health systems research.

Our team are international leaders with established research and practice improvement collaborations with governments, blood services, community and professional organisations, and industry, to rapidly translate new evidence into practice.

The Blood Synergy was recognised with the inaugural Fiona Stanley Synergy Grant Award at the NHMRC Research Excellence Awards (2020).

Research Streams

Critical Bleeding

Developing new evidence to inform and guide clinical decision-making on management of major haemorrhage and massive transfusion

Critical Care

Evaluating the efficacy and safety of transfusions in critically ill patients

Blood Diseases

Identifying optimal transfusion and alternative strategies, products and schedules, to improve clinical management and outcomes for patients with blood diseases

Immunoglobulin Use

Investigating the efficient and effective use of Ig, including optimal dose and duration of therapy, and other interventions to manage infections in patients with blood diseases

Health Economics

Health economic analyses are integrated into each research stream to provide important new Australian data for improving health system performance, and to make better use of blood by delivering quality, cost-effective care for patients and the community.

Building Research Capacity

We are building Australia's transfusion research capacity, bringing together our expertise and resources, and training the next generation of researchers, by mentoring young investigators and supporting their research activities.

