

JUNE 2023 - JUNE 2026

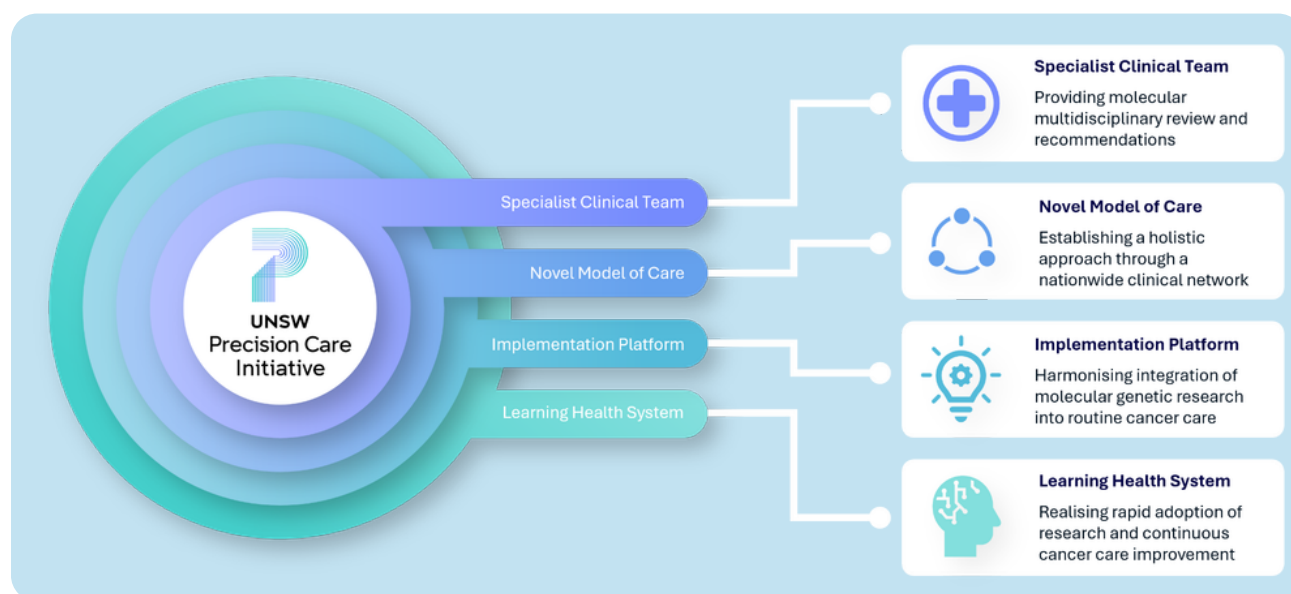
PRECISION CARE INITIATIVE SUMMARY REPORT



Overview

The inaugural Precision Care Initiative is the first of its kind, resulting from the research program funded by the Medical Research Future Fund (MRFF 2020 Rapid Applied Research Translational grant, RARUR000125).

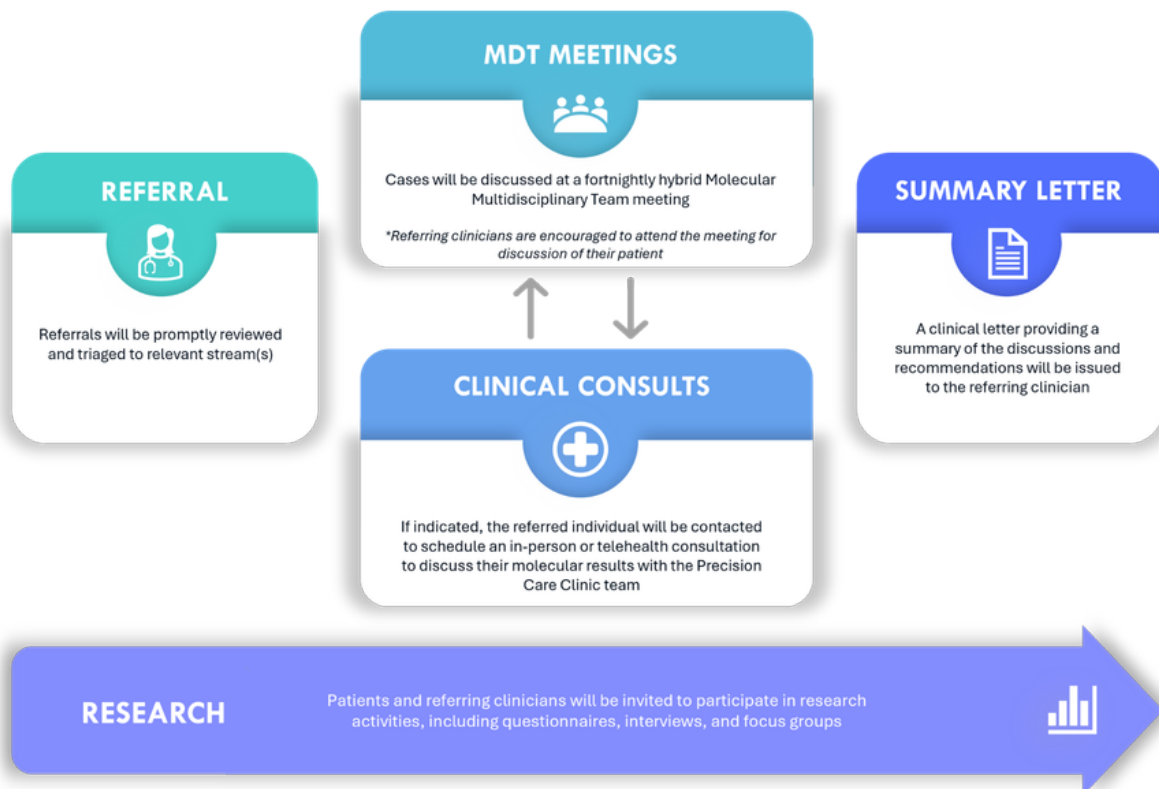
This initiative is committed to identifying strategies for optimising the delivery of evidence-based precision cancer medicine within the Australian public health system. Our goal is to enable effective and efficient scaling up of these services.



As part of the Initiative, a Precision Care Clinic was established in June 2023. Our data-driven clinic is informed by biomedical, patient and health services research. We continuously refine our approach based on ongoing evidence-driven insights.

Through our collaborative approach, we:

- Review complex molecular findings with referring oncologists
- Explore targeted therapy options based on genomic results
- Assess the clinical significance of identified variants (both somatic and germline)
- Welcome oncologist participation in case discussions about their patients
- Our service enhances your oncology practice by providing detailed molecular insights to support treatment planning.



“The [PCI clinician] used lay language and I didn’t feel rushed. It was very reassuring...Knowing about future therapies and new research gives me hope.”

[51yo F, regional VIC, rare cancer diagnosis]

Investigator Team



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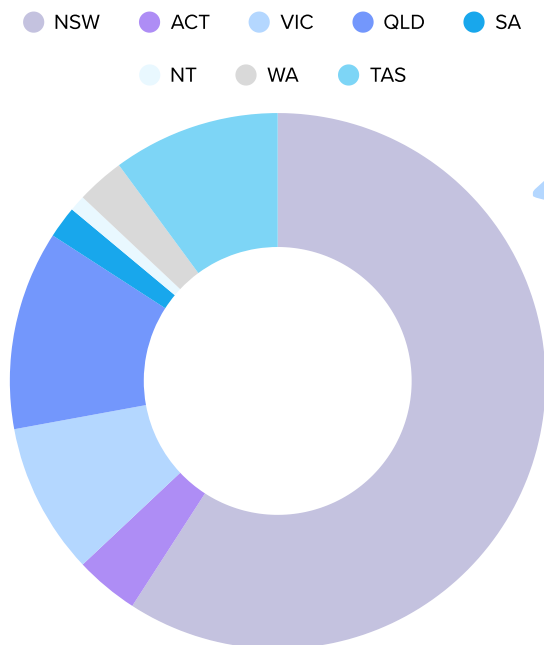


Prof. Sandy Middleton
Nursing Researcher
ACU



Referrals

Since launch, the Clinic has demonstrated national reach. It has received **> 200 referrals** from **>100 clinicians** across approximately **70 referring sites**, spanning all Australian states and territories.



Around one in five referrals have come from **regional and rural settings**. This reach shows both the scale of unmet need and the potential value of a coordinated national approach to precision cancer care.



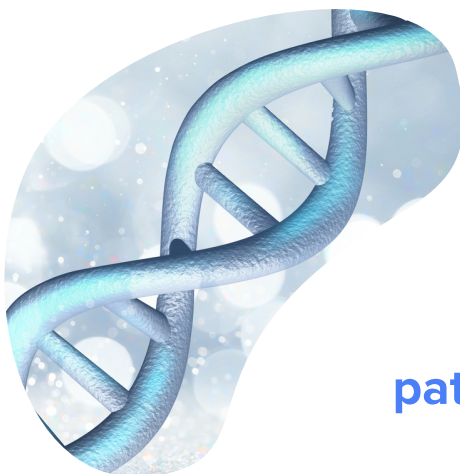
Impact

The Clinic has supported patients with a wide range of complex and rare cancers. Each case provides an opportunity not only to support individual patient care, but also to generate evidence about how precision oncology can be embedded into routine health services in a way that is practical, sustainable and responsive to patient and clinician needs.



**> 43 molecular
multidisciplinary team
meetings**

**> more than 106
patient consultations.**



**32 validated
pathogenic variants**



Early evidence from the project shows that the Precision Care Clinic is providing clinically meaningful support for treatment decision-making.

Analysis of pilot implementation data has demonstrated that the model can add value in several ways: identifying relevant treatment options, supporting clinical trial referrals, deprioritising low-value care, recommending further investigations, enabling expert consultation and, in some cases, prompting diagnostic revision.



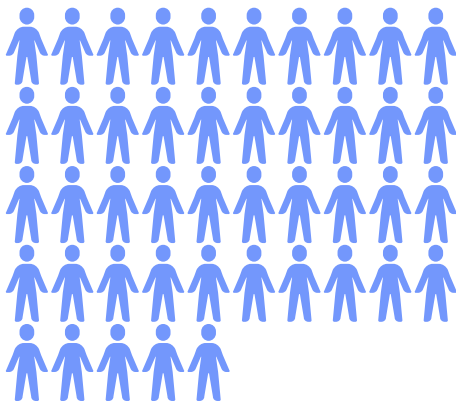
In a preliminary analysis of 60 Molecular Oncology stream cases, the multidisciplinary team recommended specific treatments in 82% of cases and clinical trial participation in 63% of cases.



These are critical outcomes in precision oncology, where complex molecular information can generate multiple possible treatment pathways, not all of which are likely to be beneficial or appropriate for an individual patient.

Listening to patients and clinicians

A major strength of the Precision Care Initiative is its focus on co-design and implementation. The Initiative is exploring, what patients and clinicians value, and what systems are needed for sustainable implementation.



The project has completed **interviews with >45** patients, clinicians, implementation team members and external interest holders.

Patient and clinician perspectives have also shaped the Initiative's outcomes. Through co-design, the team has developed a bespoke set of measures that reflect what matters to providers, consumers and the health system.

"I think it's worked amazingly well. I feel very privileged in the sense that I have access to national work that's going on..." [62yo F, TAS, low grade serous ovarian cancer diagnosis]

Translational progress & partnerships

Partnerships are central to the project's progress. The team has established and strengthened collaborations with Genomics Australia, Rare Cancers Australia, BioGrid Australia and ARC Portal.



The team convened a national collaborative molecular tumour board network and launched a national survey to examine the operational landscape of molecular tumour boards across Australasia

The Precision Care Initiative was selected for the Future of Health Exhibition at the new UNSW Health Translation Hub and received the UNSW Faculty of Medicine & Health Research Shaping Health Care Award (2025), recognising the project's contribution to improving how evidence is translated into practice.

Collaborators



