

Precision medicine is a tailored approach to health that incorporates an individual’s genetic make-up, environment, and lifestyle. It offers the potential for individualised and timely prevention and treatment, improving health outcomes and enabling the health system to transform from reactive treatment of illness to preventative management of health. Building and connecting the precision medicine landscape throughout South Australia is critical to future-proofing the healthcare system and reaping the future benefits of this approach.

This document outlines the first steps in establishing an agency agenda to guide the co-development of a system-wide framework for precision medicine in South Australia. All elements will be revisited and refined in future stages.

Initial plan

↳ Comprehensive current state analysis & consultation

↳ Future state design

↳ Development of a precision medicine framework for South Australia

↳ Identification of development and implementation opportunities to enable precision medicine

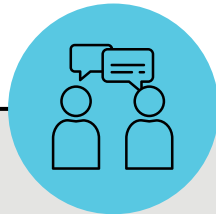
↳ Sustained and connected ecosystem to support precision medicine

System priorities



Supporting infrastructure and service models

Infrastructure (physical and soft i.e governance and strategy) that supports sustainability. Service models that embed and optimise standardised care delivery



Workforce, education and training

Building capacity and capability to support application of precision medicine through training, education and standards of care



Integrated big data and analytics

Connected, integrated data systems (e.g ‘omics’) with supporting infrastructure and system interoperability to optimise delivery of care and machine learning operations



Research, innovation and translation

An evolving health system that values research and innovation with a seamless interface between research, evaluation and healthcare delivery

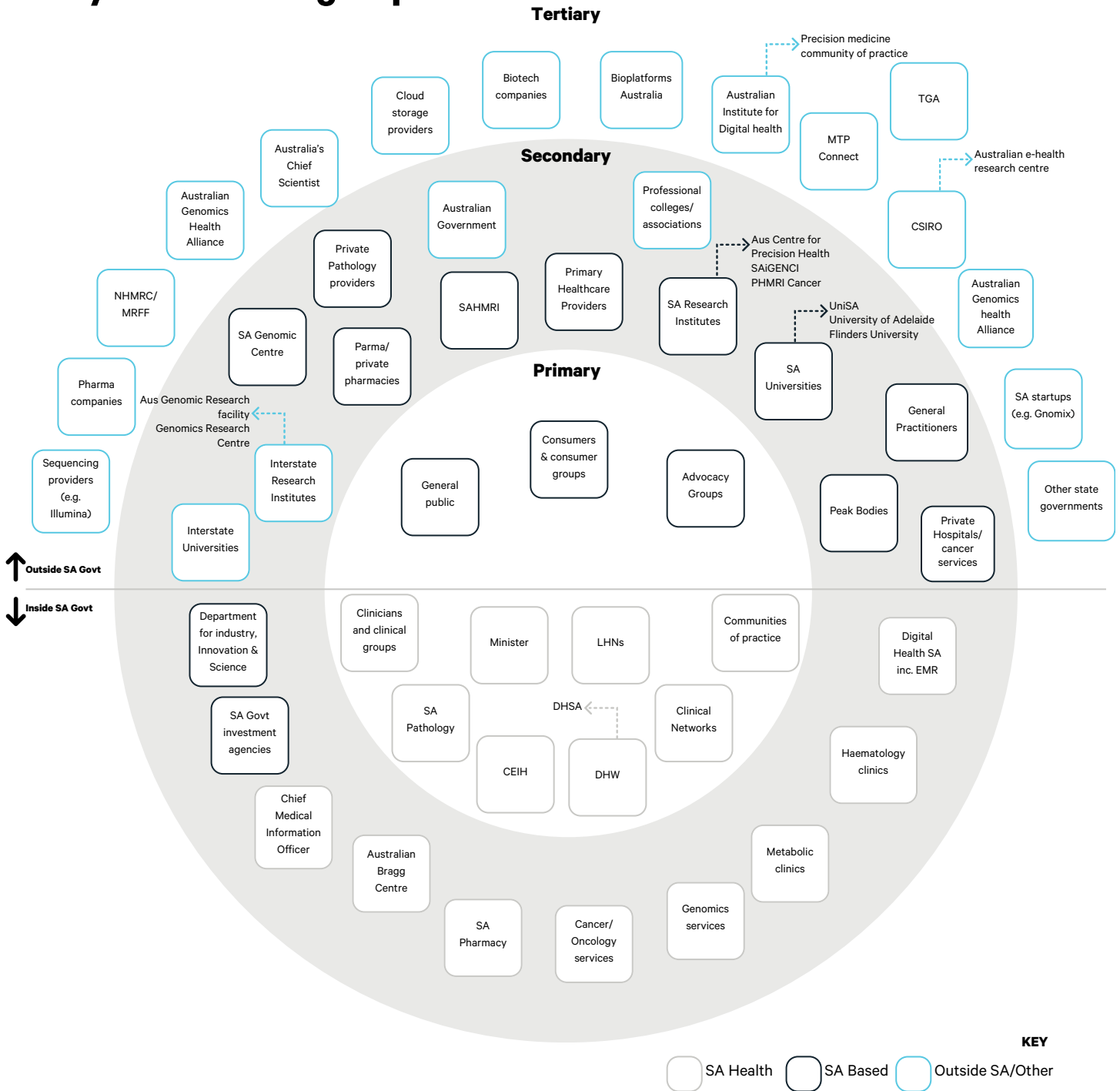


Community education and health literacy

An informed public that guides the application of precision medicine, and is supported to enhance education and health literacy in precision medicine







Key stakeholder groups



Note: the above is based on a mini desktop audit and not a comprehensive stakeholder mapping audit, some but not all next level examples have been provided.

Enablers of success

-  Trust, knowledge and acceptance of precision medicine
-  A whole of system approach including leadership support
-  Sustainable and strategic investment
-  Strategic and meaningful partnerships and collaboration