



Health and Biosecurity

GOAL



To provide leadership and deliver measurable improvement in Australia's one-Health system: enhancing health, social, environmental and economic wellbeing in the face of increased healthcare pressures and global biosecurity threats.

IMPACT AREAS

Industry profitability and market access

Environmental health

Infectious disease

Health outcomes and health system performance

IMPACT STATEMENTS

Biosecurity threats to agriculture: By 2025 the social and economic impacts from exotic threats to Australia's animal and plant industries are reduced through improved risk assessment, prioritisation, decision support and resource allocation systems, more effective and cheaper surveillance, more effective eradication and containment responses and more resilient rural communities.

Market access and trade: By 2025 market access and trade for Australia's animal and plant industries protected and grown through new technologies and approaches that break through existing barriers to trade.

Preparedness and response to biosecurity threats: By 2025 the social and environmental impacts from exotic threats to Australia's natural and production environments are reduced through improved prioritisation, decision support and resource allocation systems, more cost effective surveillance, eradication and containment technologies.

Mitigating invasive species impacts: By 2030, environmental, social and economic impacts of widespread established pests, weeds and pathogens on biodiversity and ecosystem services in natural and production landscapes reduced through improved ecological knowledge and delivery of landscape scale, socially acceptable, biologically based management options and decision support tools.

Preparedness for infectious disease outbreaks: By 2025, Australia will be better prepared against the threat of infectious disease outbreaks through delivery of improved information on disease emergence and host-pathogen interactions and novel approaches to vector control which will either inform new science-informed regulatory and public policies or lead to improved containment and control strategies resulting in protecting our wellbeing and generating savings for the health care system.

Catalysing innovation in the MedTech sector: By 2030, enhance Australia's pandemic preparedness by catalysing innovation and growth in Australia's MedTech sector that is supported by our developments of innovative vaccine production systems, novel anti-virals and diagnostics that will be rapidly approved and deployed as medical countermeasures to combat infectious disease.

Telehealth improving remote health service access: Development of clinically and economically validated models for tele-enabled health services delivery for remote/very remote Australia, for uptake by State and Federal Health agencies resulting in a reduction of 30% of the addressable gaps in hospitalisation rates, mortality rates and/or service delivery rates between remote and urban Australia.

Standardised data analysing health performance: Deployment of data tools in healthcare settings with the aim of standardised data being used for clinical decision support and analysing health performance. These tools will lead to a reduction in adverse events by 10% such as medication errors and an increase in the productivity of the health system by 10%.

Australia has a digitally enabled health system: Development of a sustainable health and aged care system for Australia that enables Australians to remain in their own homes longer thereby reducing the cost and detecting earlier problems associated with ageing.

Precision medicine technologies: Deployment of precision medicine technologies targeted at improving diagnosis, reducing futile treatment, and facilitating personalised therapy. As a result, new therapies will be developed faster and more cost effectively, patients will have less side effects, will return to the workforce sooner, and will have an improved quality of life for longer.

INTERNAL PROGRAMS



ROLES

OTHER BUSINESS UNITS



ROLE KEY

○ = Lead ○ = Support

PROGRAMS

- Risk Evaluation and Preparedness
- Managing Invasive Species Impacts
- Combating Emerging Infectious Diseases
- eHealth

OTHER BUSINESS UNITS

- Agriculture
- Data61
- Land and Water
- Oceans and Atmosphere
- AAHL
- Food and Nutrition
- Manufacturing