

Clinical Trials in Australia

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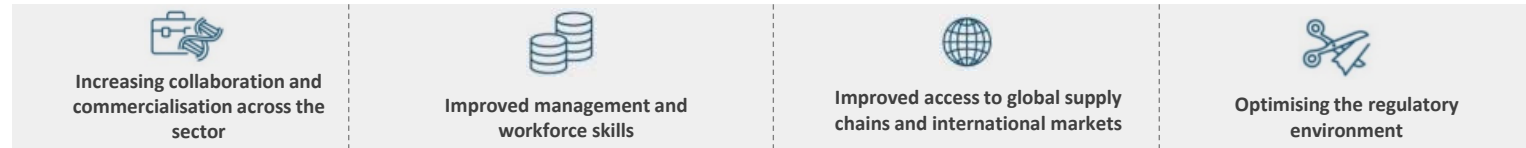
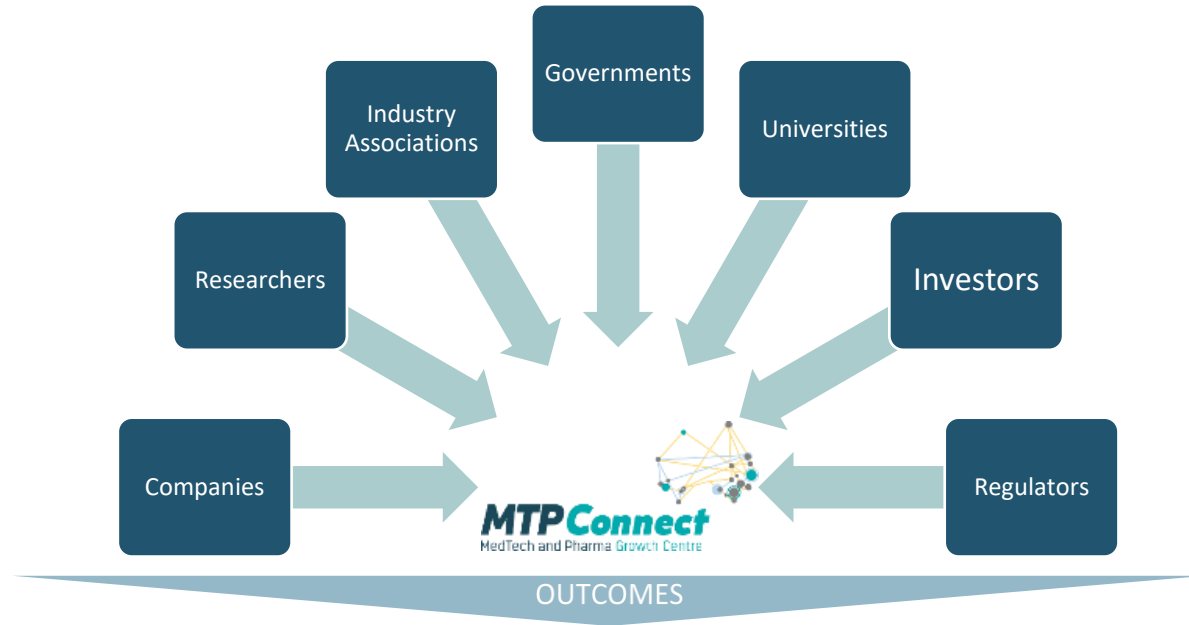
RACI Pharmaceutical Sciences Group (NSW) – Clinical Trials: Expertises, Collaboration and Product Supply

October 5 2022



Australian Government
Department of Industry, Science,
Energy and Resources

Industry
Growth
Centres



Projects Overview



Australian Government
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BMTH BioMedTech Horizons
PROGRAM
SUPPORTING TRANSLATION OF AUSTRALIAN MEDICAL TECHNOLOGY INNOVATION



Biomedical
TRANSLATION BRIDGE
PROGRAM

RED DEVELOPING AUSTRALIA'S
MTP SECTOR
WORKFORCE

TTRA TARGETED TRANSLATION
RESEARCH ACCELERATOR
DIABETES + CARDIOVASCULAR DISEASE

Department of
Industry, Science,
Energy and Resources

\$15.6M

Fully committed
36 Projects

Department of Health
Medical Research Future
Fund

\$45M

Fully committed
39 projects

Department of Health
Medical Research
Future Fund

\$22.3M

Fully committed
21 projects

Department of Health
Medical Research
Future Fund

\$32M

**8 program
partners**
**Building the
MTP workforce**
**Addressing
skills gaps**
**Enhancing
entrepreneurial
ecosystem**

Department of Health
Medical Research
Future Fund

\$47M

D&CVD focus
**3 program
partners**
**Establish two
Research
Centres**
**Annual funding
rounds for
Research
Projects**

Our Strategic Priorities

Priority 1

Align investment in Knowledge Priorities that meet current and future market needs

Priority 2

Create a highly productive commercialisation environment from research to proof-of-concept and early clinical trials

Priority 3

Transform the SME sub-sector to support the growth of smaller companies into larger, more stable and successful companies

Priority 4

Strengthen Australia as an attractive clinical trial research destination

Priority 5

Support the development of digital healthcare solutions: devices and data analytics

Priority 6

Position Australia as a preferred partner for international markets

Priority 7

Support advanced manufacturing as a part of the broader Australian innovation system

Strategic Funding



Australian Government
Department of Industry, Science,
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Centres

Garvan Molecular profiling
platform

CSIRO Protein Production
Platform

Ab-initio Pharma

TRI clinical trial manufacturing
facility

Department of Industry, Science,
Energy and Resources

\$15.6M

\$15.6M committed

\$26M matching

36 Projects

15 University led

22 Industry led

ARCS Criteria Program

ACvA – CV Device Collaborative

CT:IQ

COSA Tele-trials

QUT Adaptive clinical

Clinical Trial Assist

ClinTrial Refer Australia

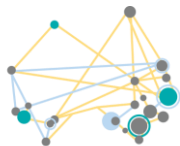
First patients of pioneering CAR T-cell therapy 'cured of cancer'

Cancer-killing cells still present 10 years on, with results suggesting therapy is a cure for certain blood cancers



📷 Doug Olson still has cancer-killing cells 10 years after infusion. Photograph: AP

Two of the first human patients to be treated with a revolutionary therapy that engineers immune cells to target specific types of cancer still possess cancer-killing cells a decade later with no sign of their illness returning.



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MedTech and Pharma Growth Centre

Australia's Clinical Trials Sector



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Growth
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AUSTRALIA'S CLINICAL TRIAL SECTOR



\$1.4 Billion



5% in EXPENDITURE
from 2015 to 2019



8,000 Jobs



4% in EMPLOYMENT
from 2015 to 2019



95,000

**PATIENTS
PARTICIPATED**
in 2019



Approx.

1,880 Trials



7% in TRIALS STARTED
from 2015 to 2019



Approx.

5% Share

of **GLOBAL INDUSTRY
SPONSORED TRIALS**

Note: * As calculated in *Clinical Trials in Australia* (2017 & 2021) reports

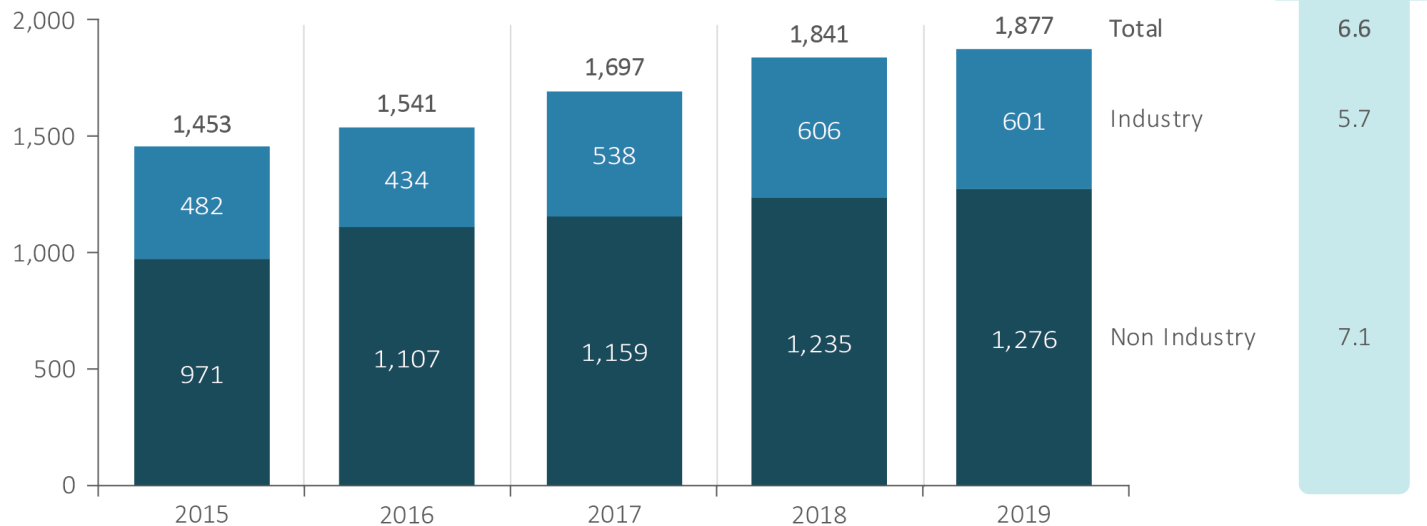


NUMBER OF CLINICAL TRIALS



CLINICAL TRIALS – by Sponsor type

Number of clinical trials started

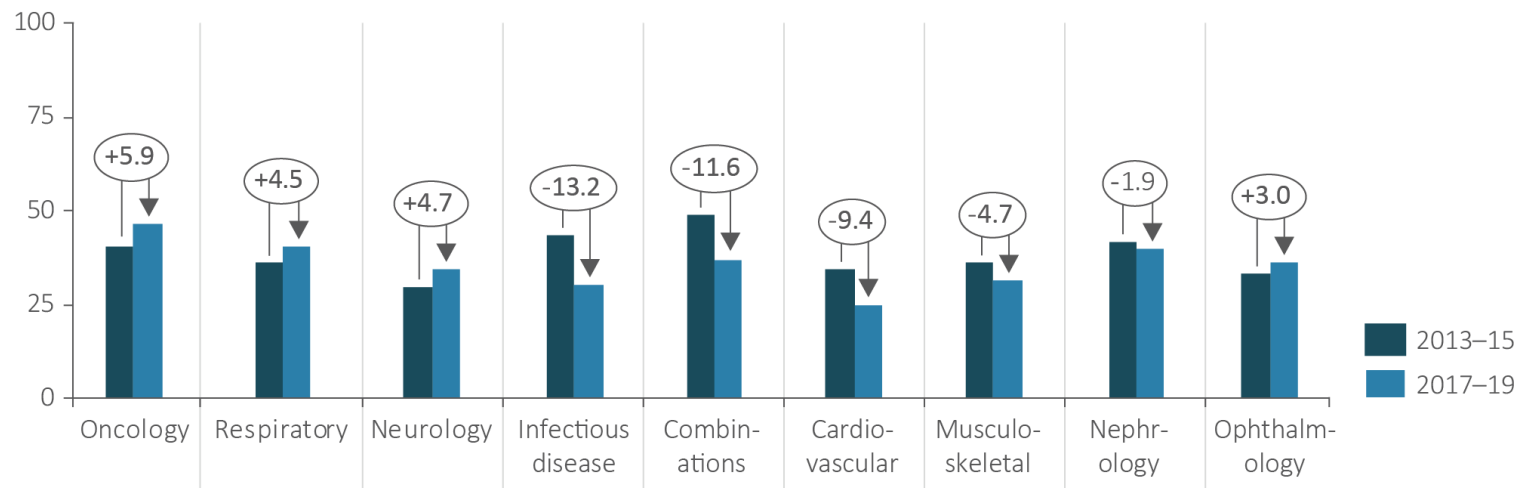


CLINICAL TRIALS – by Phase

Phase	CAGR% (CY2015-19)
Phase I	14.5%
Phase II	6.6%
Phase III	-0.6%
Phase IV	-1.2%
Device	4.4%

AUSTRALIA'S SHARE OF GLOBAL-SPONSORED TRIALS – by Therapeutic area

Percentage of all multi-country trials started



Impediments

- 1 Governance
- 2 Patient recruitment & economics
- 3 Capabilities & capacity - CTC & CRAs



Emerging opportunities

- 1 Patient awareness, engagement & centricity
- 2 Digital evolution
- 3 Precision healthcare
- 4 Innovative trial design

Priorities for the Future

- 1 Efficiency in ethics & governance processes
- 2 Grow the clinical trials workforce & capabilities
- 3 Enhance patient recruitment
- 4 Enhance transparency of the state of the sector

Where to next?

- Diversity in clinical trials
- Consumer engagement
- Technology in trials

➤ [Res Involv Engagem](#). 2022 Feb 5;8(1):3. doi: 10.1186/s40900-022-00338-w.

A snapshot of consumer engagement in clinical trials in Australia: results of a national survey of clinical trial networks and research organisations

Anne McKenzie ¹, Janelle Bowden ², John R Zalcberg ^{3 4}, Karena Conroy ^{5 6}, Julia Fallon-Ferguson ^{7 8}, Shilpanjali Jesudason ^{9 10}, James Ansell ¹¹, Ania Anderst ¹², Nicola Straiton ^{13 14}

Affiliations + expand

PMID: 35123586 PMID: [PMC8817464](#) DOI: [10.1186/s40900-022-00338-w](#)

[Free PMC article](#)

Abstract

Background: Little is known about the extent, perceptions or experiences of consumers involved in clinical trials across Australia. The purpose of this National study was to better understand the activity and perceptions of clinical trial networks (CTNs), research co-ordinating centres and their consumers, around consumer involvement in clinical trials.

Drugmakers unite to set digital standards for Alzheimer's disease studies

By **Conor Hale** • Mar 14, 2022 10:00pm

Alzheimer's disease

Digital health

clinical research

collaboration



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