



UNIVERSITY OF
NEWCASTLE

CENTRE OF EXCELLENCE IN TREATABLE TRAITS

Precision Medicine for Chronic Airway Diseases

The Centre of Excellence in Treatable Traits is a consortium of world-renowned clinicians, researchers and key respiratory organisations collaborating to improve healthcare outcomes for people with chronic airway diseases. Treatable traits represents a novel model of care achieving meaningful clinical differences for people with asthma through precision medicine, digital care, biological targeting agents and person-centred care.

PARTNERSHIP CAPABILITIES

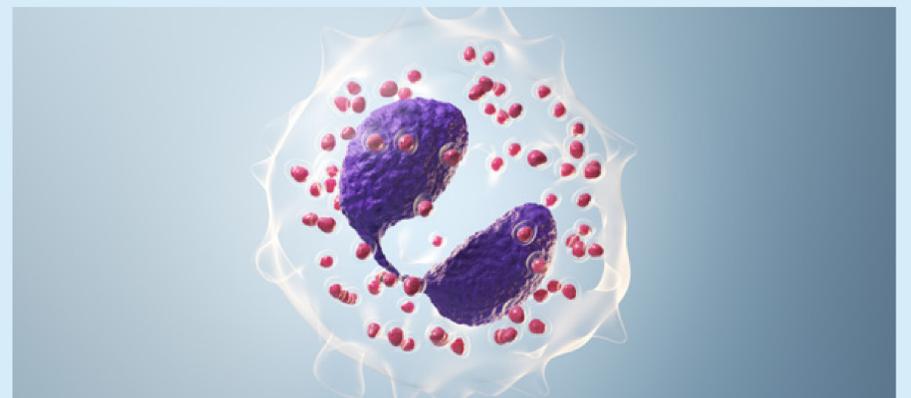
- Treatable traits model for asthma remission
- Online toolkits for severe asthma, asthma in pregnancy, and ILO/VCD
- Precision medicine approaches for chronic airway diseases
- Digital care solutions and biological targeting strategies

PROVEN IMPACT

- Online toolkits have collectively received over 600,000 views across 200+ countries
- Delivers precision medicine approach achieving meaningful clinical differences for asthma patients
- Provides digital care, biological targeting agents and person-centred care innovations
- Improves healthcare outcomes for people with chronic airway diseases through novel care models

ASTHMA REMISSION AS A REALISTIC TREATMENT GOAL

The Centre of Excellence in Treatable Traits has redefined severe asthma care turning 'asthma remission' from concept to reality through world-leading, person-centred precision-medicine models integrating biologics, digital tools, and targeted multidimensional assessment. Our landmark study proved that mepolizumab and omalizumab can achieve clinical remission in up to one-third of patients, setting a new global benchmark for treatment goals. Backed by major NHMRC, MRFF and industry funding, we have delivered meaningful clinical outcomes including fewer exacerbations, reduced hospitalisations, and lower oral corticosteroid use. Our global toolkits and digital resources viewed over 600,000 times in 200+ countries are driving rapid international adoption, embedding biomarker-driven and equitable care innovations that are transforming outcomes for people with chronic airway diseases worldwide.



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