



JDRF CLINICAL RESEARCH NETWORK

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There are around 120,000 children and adults in Australia with T1D. There are 2,400 new cases of T1D diagnosed each year.



Our mission is to accelerate life-changing breakthroughs to cure, prevent and treat type 1 diabetes (T1D) and its complications



Australian Type 1 Diabetes Clinical Research Network

The Type 1 Diabetes Clinical Research Network (T1DCRN) came about because JDRF Australia, the Research Community, patients and the Government together agreed that funding for clinical trials was crucial in bringing treatments and therapies closer to patients



**Australian Type 1 Diabetes
Clinical Research Network**

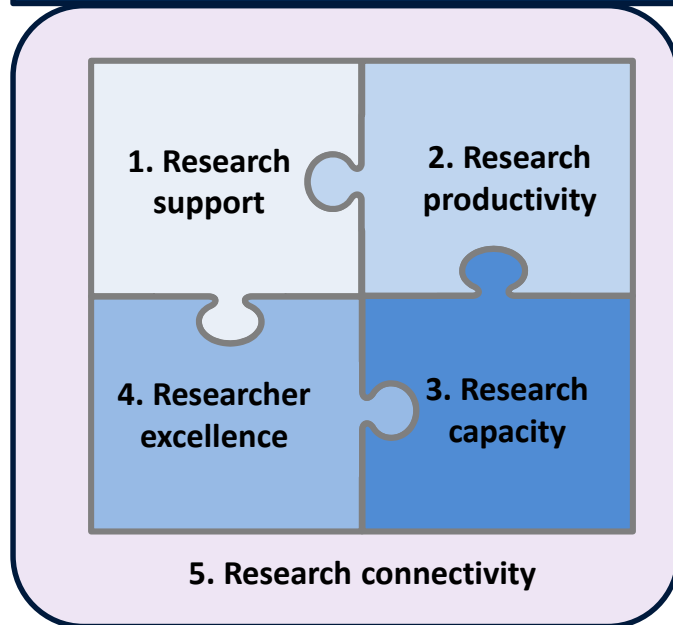
A Comprehensive Plan

Accelerating Patient Impact

GOAL: to positively impact people with type T1D



ACCELERATED Patient Impact



1. Research support: increase the volume and impact of clinical research by funding the most promising high impact studies, and driving innovation, discovery and adoption

2. Research productivity: support the more efficient and effective delivery and adoption of clinical research

3. Research capacity: build long-term clinical research capacity in Australia through data-sets and improving the collation and sharing of clinical trial results

4. Researcher excellence: nurture the next generation of clinical research leaders

5. Research connectivity: create a more connected and cohesive clinical research system



Australian Type 1 Diabetes Clinical Research Network

Environmental Determinants of Islet Autoimmunity (ENDIA) PI Professor Jenny Couper

- World's only study investigating environmental factors that might be causative or protective of T1D **from pregnancy**
- Multi-centre prospective cohort study across five states that will follow 1,400 infants with a first-degree relative with type1 diabetes from early pregnancy into the early years of life

<http://www.endia.org.au>



Australian Type 1 Diabetes Clinical Research Network

ENDIA: Australia's leading study into the causes of type 1 diabetes



We are seeking...

- ✓ Men with type 1 diabetes whose partner is pregnant
- ✓ Pregnant women with type 1 diabetes
- ✓ Pregnant women with a child who has type 1 diabetes
- ✓ Babies less than 6 months of age whose parent or sibling has type 1 diabetes



Inclusion criteria:

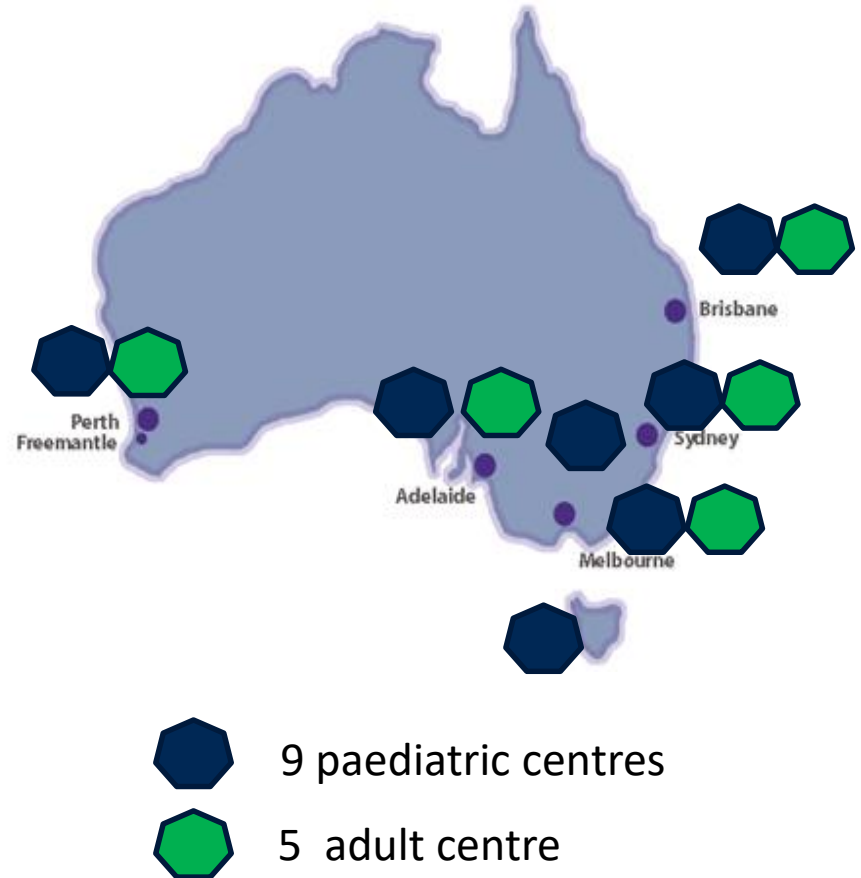
- Women who are pregnant with a baby that will have a first-degree relative with T1D (Mum, Dad, Sibling)
- Newborn babies less than 6-months old with a first-degree relative with T1D
- Regional Participation Program

3. Research capacity

Building a national dataset – ADDN



- Powerful real-life data of over 10,000 pts with T1D to drive quality research outcomes
- Efficient – building on prior investments by PIs (*over 12 years of data in selected centres*) and JDRF
- Cross-team – links between adult and paediatric centres (*14 in total*)
- Partnership with key National Professional organisations –ADS and APEG;
- Internationally connected





Australian Type 1 Diabetes Clinical Research Network

TrialNet

PI Prof Peter Colman AM and A/Prof John Wentworth

TrialNet studies to prevent type 1 diabetes

Tests for antibodies in T1D relatives, which are found in around 1 in 30 family members. Those with antibodies are offered opportunities to participate in trials of therapies to prevent them ever getting diabetes.

Inclusion criteria:

Individuals aged 1-45 with an immediate family member with T1D

Individuals aged 1-20 with an extended family member with T1D



Australian Type 1 Diabetes Clinical Research Network

The fenofibrate and microvascular events in type 1 diabetes (FAME 1) eye study PI Professor Alicia Jenkins

- The FAME 1 Eye Study is investigating whether fenofibrate can slow or reverse retinopathy and other complications in adults with T1D.
- Inclusion criteria: Adults with T1D and non-proliferative retinopathy



Australian Type 1 Diabetes Clinical Research Network

Nox inhibition in type 1 diabetic kidney

PI Professor Jonathan Shaw

This study investigates the role of a NOX inhibitor in preventing or reversing nephropathy in people with T1D

- Inclusion criteria: Adults with T1D and persistently elevated urinary albumin excretion



Australian Type 1 Diabetes Clinical Research Network

Reducing blood glucose extremes caused by food and exercise in young people with type 1 diabetes

Professor Elizabeth Davis



Australian Type 1 Diabetes Clinical Research Network

Assessment and translation of closed loop insulin therapy
in children, adolescents and adults with type 1 diabetes

PI Prof David O'Neal and Prof Tim Jones

- Inclusion criteria: People aged 12-70 with HbA1c less than 10.5 treated with either MDI or CSII



**Australian Type 1 Diabetes
Clinical Research Network**

Strategies for Strategies for drug-free immunosuppression
in islet transplantation

PI Prof Philip O'Connell



Australian Type 1 Diabetes Clinical Research Network

EXTEND is a clinical research study testing whether Actemra® (tocilizumab) can protect the remaining insulin-producing beta cells in children recently diagnosed with type 1 diabetes.

PI Prof Mark Harris and Prof Maria Craig

Inclusion criteria: Children aged 6-17 that have been diagnosed with type 1 diabetes within the last 3 months



Clinical Trials - barriers to participation

- Mistrust
- Commitment
- Fear
- Not understanding research



What can we do?

- HCPs are a trusted source of information for patients. They are key to recruitment into Clinical Trials.
- Work together
- Educate and inform
- T1D Game Changer (T1D GC Cards)

CONTACT

Here's Where You Can Find Us

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<http://www.t1dcrn.org.au>



THANK YOU



COMMUNITY PROGRAMS UPDATE

Kristi Gale

Agenda

- What's New : Teen Tool Kit
- Updates : Insulin Pump Program
- Updates : T1D Connect
- Updates : Patient Resources
- Join Us : Game Changer

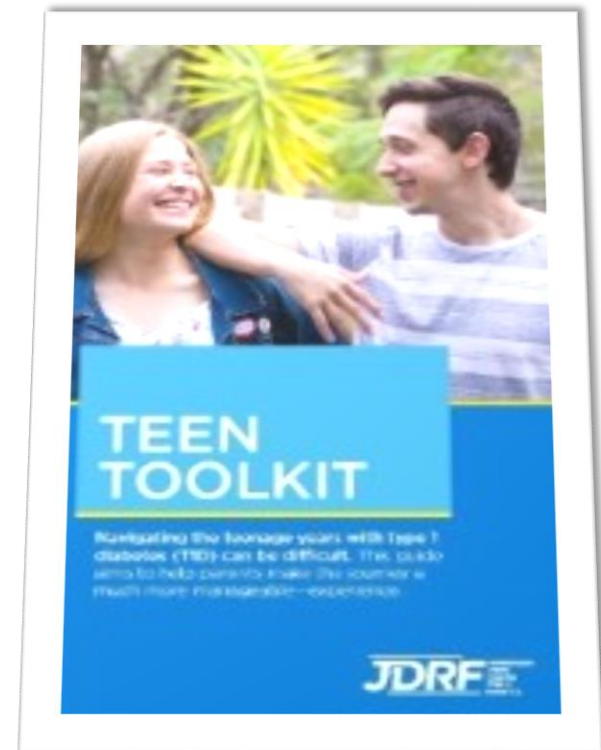
Teen Toolkit



The Teen Toolkit is a resource produced by JDRF to help carers of type 1 teens assist them in their growth and development throughout the teen years. It includes practical advice on day-to-day life with type 1 diabetes and the typical circumstances families may find themselves faced with.

Topics covered in the book include:

- Physiology of the teen years
- Keeping communication open
- Type 1 diabetes and friendships
- Type 1 diabetes and driving
- School and the teen with type 1 diabetes
- Rebellion and dangerous behaviour
- Transitioning to self-care
- Looking to the future



Insulin Pump Program 18/19



The Australian Government's Insulin Pump Program provides subsidies to low income families who have children (up to 18 years of age) with type 1 diabetes. The Program aims to improve access and affordability of insulin pumps for these income families who do not have access to other means of reimbursement, such as private health insurance.

Funding for the FY 18/19 Program will commence in July 2018. We encourage any Health Care Professionals who have patients interested in applying, to submit an expression of interest via our website by 30th June 2018.



T1D Connect – Facebook groups



T1D CONNECT 14-24



We have a group designed for **Teens and Young Adults aged 14-24 years** that is moderated by trained young Adult mentors living with T1D. It is a great supportive and positive place for Teens and Young Adults to connect and talk all things Type 1. This group has been active for close to 18 months and has over 550 members and growing!

T1D CONNECT 25+



We also have a group dedicated to those **over the age of 25**. This group is also moderated by a number of our Adult mentors living with T1D and has over 1100 members since it started a little over 12 months ago.

Patient Resources

- KIDSAC packs
- T1D Packs
- Straight to the Point
- TypeOne Summit



Become a Game Changer !



PUT YOUR HAND UP
to become a T1D Game Changer

JDRF
T1Dgame
changer

IMPROVING LIVES. CURING TYPE 1 DIABETES.



THANK YOU