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Dear ADDN partners and friends,

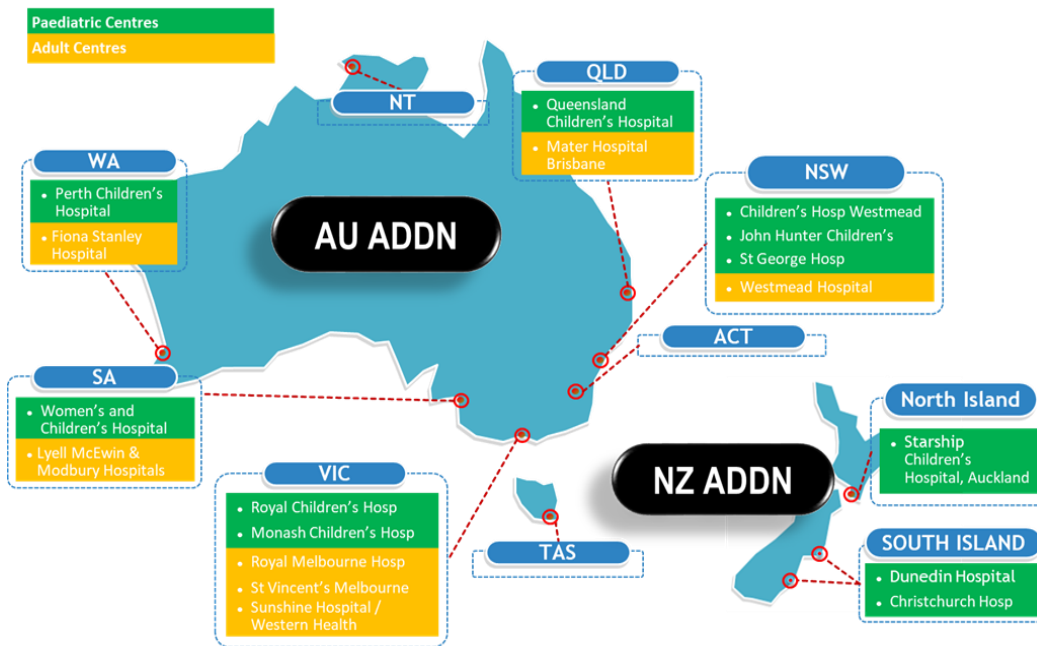
Welcome to the 4th ADDN newsletter.

Since its inception in 2012, ADDN has grown in many ways over the years. The ADDN program is now truly bi-national with 18 participating centres across Australasia. Our thanks goes to the patients, health professionals and technology team for helping ADDN expand and we look forward to more centres joining over the next few months.

We are also producing research and collaborating in a number of national and international studies. Our aim now is to further engage with our members, colleagues, researchers and the diabetes community. If you have research questions and are interested in using data in the ADDN Registry, we welcome your query and appreciate any feedback. Hope you enjoy reading our newsletter!

Prof Peter Colman on behalf of the ADDN Steering Committee

ADDN Centres

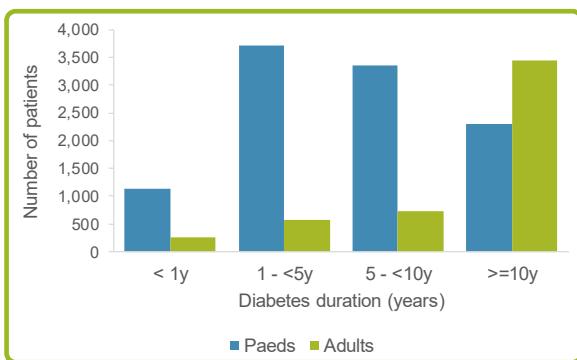


« A map showing the locations of Australasian diabetes centres currently contributing data to ADDN.

« There are 15 centres in Australia and 3 centres in New Zealand.

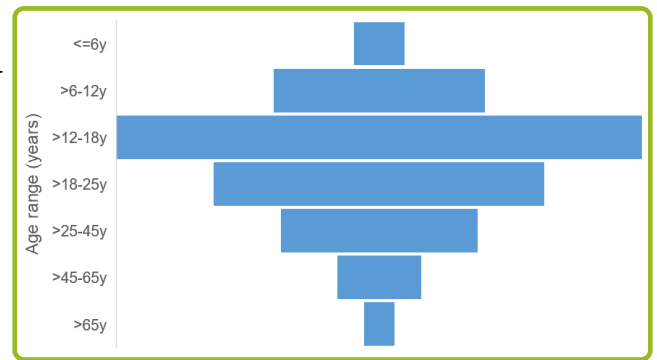
« The ADDN Registry holds clinical data on 18,071 people with diabetes across the lifespan, of which 17,199 have type 1 diabetes.

« ADDN has data collected from 237,649 clinic visits.



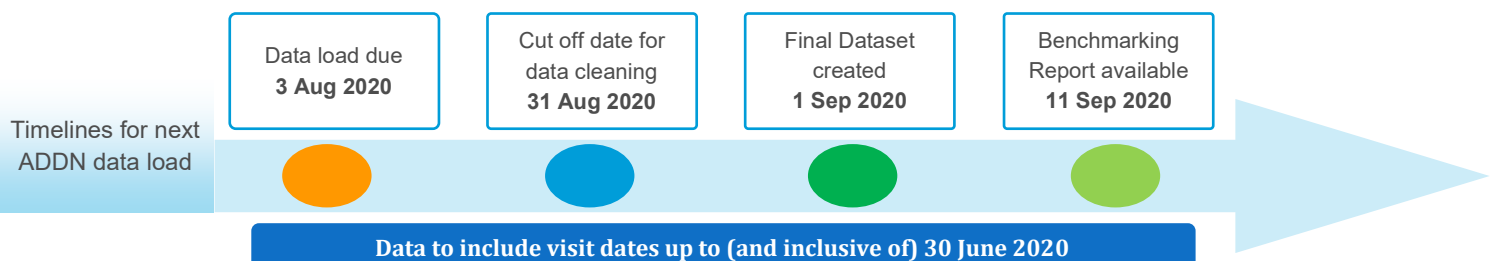
« Duration of diabetes in Type 1 diabetes participants registered in ADDN

Age group distribution of Type 1 diabetes participants registered in ADDN »



Data Load and Benchmarking

The latest data load was recently completed in **March 2020**, with the Final Dataset created and locked. It is now available for analysis, reporting and research. A very big **THANK YOU** to everyone involved in submitting data and adhering to our process. We are always looking for better ways to improve our collection standards, so please send us any feedback on how we can work with you to make the process more seamless.



NDSS Continuous Glucose Monitoring (CGM) Evaluation

ADDN is evaluating the outcomes for patients on the subsidised CGM. The latest CGM Evaluation Report was submitted to Government in May 2020.

ADDN Data Dictionary

The latest version of the data dictionary was approved by the Steering committee and updated in November 2019. The current version 4.3 is available on the ADDN website.

- ADDN attended the JDRF Type 1 Summit in Brisbane in Feb 2020.
- ADDN was promoted at the IDF World Diabetes Day 2019.
- Benchmarking reports are in their 7th cycle, produced every 6 months and accessible online to ADDN members.
- Data completeness reports are in their 9th cycle and are produced every 6 months.

- ADDN is unifying its ethics framework to streamline participation of centres. We are very happy to advise and help you with your submission for joining ADDN.
- ADDN is investigating possible linkage with administration datasets.
- ADDN responded to the draft National Clinical Quality Registry Strategy.

Publications

Longitudinal trajectories of BMI z-score: An international comparison of 11,513 Australian, American and German/Austrian/Luxembourgian youth with type 1 diabetes. Phelan et al. *Pediatr Obes.* 2020; 15(2):e12582. Epub 2019 Nov 5 [<https://doi:10.1111/ijpo.12582>]

Five heterogeneous HbA1c trajectories from childhood to adulthood in youth with type 1 diabetes from three different continents – a group-based modeling approach - Clements et al. *Pediatr Diabetes.* 2019; 20(7):920-931. Epub 2019 Aug 28. [<https://doi:10.1111/vedi.12907>]

Temporal trends in diabetic ketoacidosis at diagnosis of paediatric type 1 diabetes between 2006 and 2016: results from 13 countries in three continent. Cherubini et al. *Diabetologia* 2020 May 8 [<https://doi.org/10.1007/s00125-020-05152-1>]

Current Projects

Tracking of BMI and cardiovascular risk in children and adolescents with type 1 diabetes. Prof Jenny Couper, *Women's and Children's Hospital*

Impact on glycaemic outcomes of funding Continuous Glucose Monitoring for youth in Australia. Prof Timothy Jones, *Perth Children's Hospital*

Glycaemic control in Australasian patients with Type 1 Diabetes across the age spectrum, especially in young adults. Prof Timothy Jones, *Perth Children's Hospital*

Incidence of DKA at onset of Type 1 Diabetes. Dr Craig Jefferies, *Starship Children's Health*

Geospatial visualisation of type-1 diabetes across Australia. Prof Richard Sinnott, *University of Melbourne*

Current International Collaborative Projects

Trends in incidence of diabetic retinopathy in children and adolescents with type 1 diabetes during the 15 years period between 2003 and 2018. Prof Kim Donaghue, *Children's Hospital Westmead, NSW on behalf of the ADDN Study Group*

HbA1c trajectories in youth with newly diagnosed T1D: An international collaboration. Prof Maria Craig, *Children's Hospital Westmead NSW on behalf of the ADDN Study Group*



If you have a research question and would like to explore how the ADDN data may be accessed to pursue your question please contact us at info@addn.org.au or via the ADDN Research Enquiry Form on the website or by clicking on this link:

[ADDN Research Enquiry Form](#)

Presentations

ISPAD October 2019:

- Impact on glycaemic outcomes of funding Continuous Glucose Monitoring for youth
- Glycemic control of adolescents and young adults with type 1 diabetes across Australia and New Zealand
- Longitudinal determinants of cardiovascular risk in Australian and New Zealand youth with type 1 diabetes: the ADDN register. (oral)
- Adolescents and Young Adults with Type 1 Diabetes Across Australia and New Zealand: Glycaemic control is inversely associated with age at diabetes onset

APEG ASM 2019:

- Longitudinal determinants of cardiovascular risk in Australian and New Zealand youth with type 1 diabetes: the ADDN register (oral)

Staff News

The ADDN Project team welcomed Dr Caroline McGirr in December. Caroline has a background in nutrition working on public health interventions. Caroline will be managing the ethics for ADDN sites whilst reviewing and implementing a plan to streamline the ADDN ethics for both paediatric and adult centres. Additionally, Caroline will assist with data requests and begin to implement the ADDN communication plan by progressing the ADDN newsletter and updating the ADDN website.

ADDN Program Team

Meng Tuck Mok	<i>Program Manager</i>
Loren Bruns Jr	<i>Developer/Programmer</i>
Melissa Chee	<i>Data Analyst</i>
Jane Makin	<i>Technical Support Officer</i>
Caroline McGirr	<i>Project Officer</i>

ADDN Principal Investigators

Prof. Peter Colman
Prof. Maria Craig
Prof. Tim Jones
Prof. Richard Sinnott



Email us!

info@addn.org.au

