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Welcome ADDN partners and friends to the 6th edition of the ADDN newsletter.

Warm greetings to the first newsletter of 2021. With the advent of hopefully being able to keep the pandemic at bay with rollout of the vaccines, we hope that this year has brought back some stability to your centres and how you manage your patients.

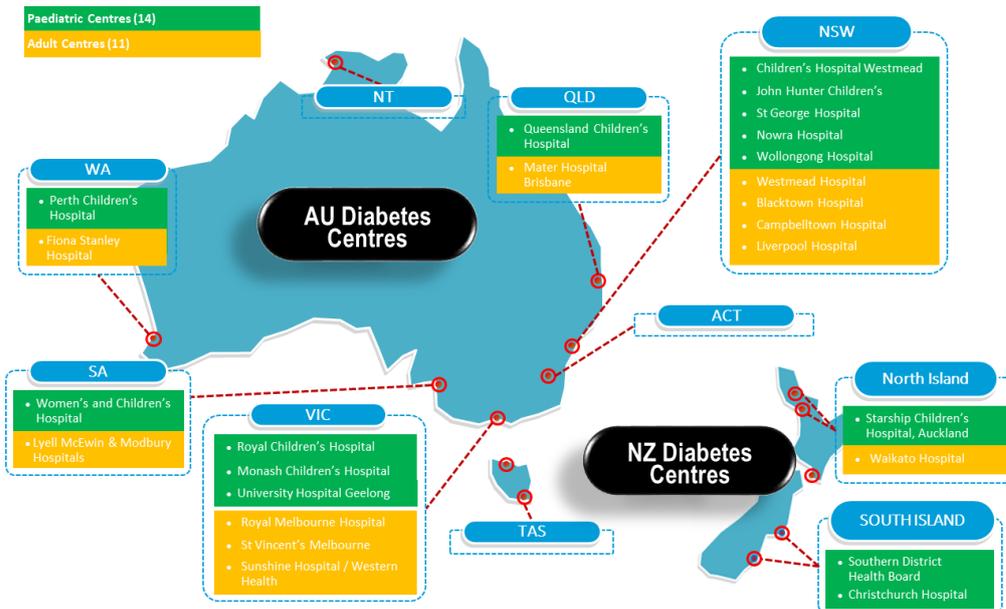
This year will be the dawn of a new phase for ADDN where we anticipate ADDN Phase 3 to commence in the second half of this year. You can read more about this exciting new period in this newsletter. We hope that you will continue to be a part of ADDN and come along with us in our journey to achieve the proposed goals we set over the next 3 years.

We hope you enjoy reading our newsletter!



Prof Maria Craig - ADDN Medical Director

ADDN Centres & Data



« A map showing distribution of Australasian diabetes centres currently participating in ADDN.

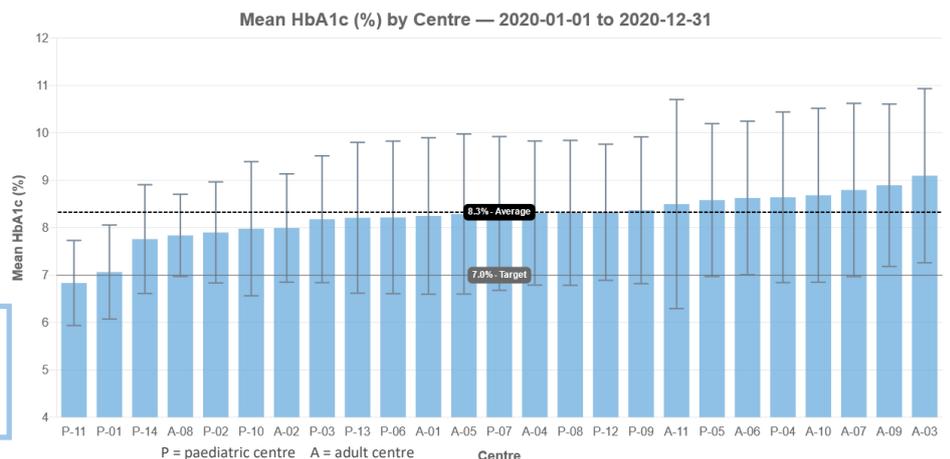
« There are 21 centres in Australia (Nowra, Wollongong and University Hospital (Barwon Health) are new paediatric centres) and 4 centres in New Zealand (Waikato Hospital is the new addition and the first adult centre).

« The ADDN Registry holds clinical data on 21,531 people with diabetes across the lifespan, of which 20,496 are type 1 diabetes.

« ADDN has data collected from 273,094 clinic visits.



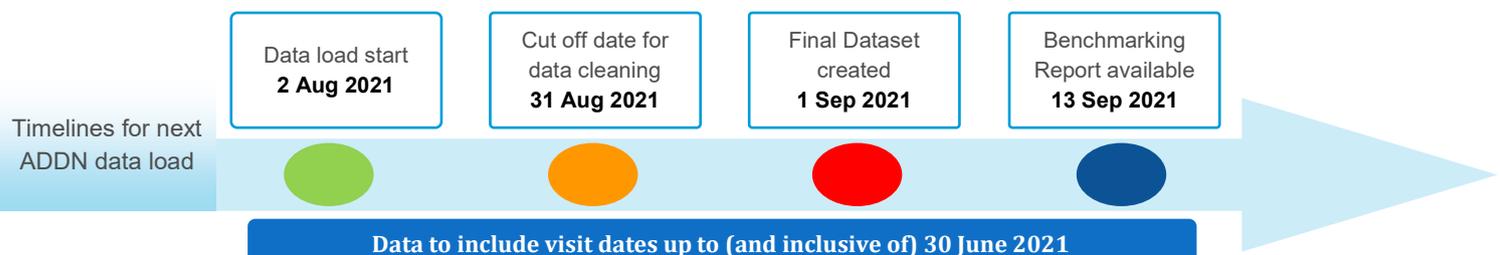
Average HbA1c for the Type 1 diabetes population in ADDN as of 23 March 2021, based on patients with ≥1 visit between 1 January 2020 and 31 December 2020

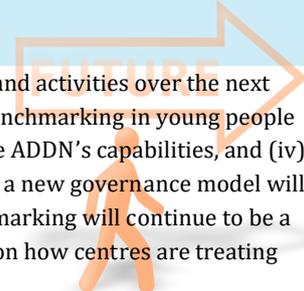


Data Load and Benchmarking

The latest data load was recently completed in **March 2021**. Benchmarking and data completeness reports were provided to all centres in March.

THANK YOU to everyone involved in submitting data according to our data load process. The Final Dataset is now available for analysis, reporting and research. We welcome applications to use the ADDN data for research. See our [website](#).





ADDN responded and applied to a call for funding from JDRF to continue ADDN and expand on ADDN's programs and activities over the next three years. Proposed core priorities for ADDN over this period are to: (i) Achieve representative coverage and benchmarking in young people across Australia and New Zealand, (ii) maximise data quality and completeness, (iii) utilise data linkage to enhance ADDN's capabilities, and (iv) extend stakeholder use of ADDN by policymakers, researchers, industry & the diabetes community. As part of this, a new governance model will be introduced with a more agile steering committee, and the appointment of 4 new principal investigators. Benchmarking will continue to be a core tenet of ADDN, where we will build upon and progress to be a clinical quality registry by providing feedback on how centres are treating and managing people with diabetes. More to follow in the coming months.



★ Highlights & News

New Centres

Four new centres have commenced submitting data to ADDN —Wollongong and Nowra Hospitals in NSW, University Hospital (Barwon Health) in Victoria and Waikato Hospital in New Zealand.

ADDN Ethics

We continue the rollout and transition of our unifying ethics framework under National Mutual Acceptance as approved by Monash HREC in June 2020. We will be in touch over the year and very happy to help advise new centres joining ADDN.

ADDN Data Dictionary

The current version 4.4 is now available to **download** from the ADDN website.

Research Publications

Publications

Type 2 diabetes in children and adolescents across Australia and New Zealand: a 6 year audit from The Australasian Diabetes Data Network (ADDN). Ludwig K, et al. *Pediatr Diabetes*. December 2020. 10.1111/pedi.13169

Hemoglobin A1c Patterns of Youth with Type 1 Diabetes 10 Years Post-Diagnosis from 3 Continents. Sherr JL, et al. Accepted for publication. *Pediatrics*. Apr 2021.

Benchmarking Care Outcomes for Young Adults with Type 1 Diabetes in Australia. Rueter P, et al. Submitted Dec 2020.

Real-world outcomes following nationwide subsidised Continuous Glucose Monitoring funding for young people with Type 1 diabetes. Johnson S, et al. Submitted April 2021.

Suboptimal glycaemic control in adolescents and young adults with type 1 diabetes across Australia and New Zealand. James S, et al. Submitted April 2021.

ADDN Principal Investigators

- We welcome A/Prof Craig Jefferies, Dr Stephanie Johnson, A/Prof Sarah Glastras and Dr Anthony Zimmermann as new principal investigators.
- In transitioning to the new governance structure, the number of principal investigators has been expanded to diversify expertise and research while being more representative across Australasia with a long term view of future succession.

Congratulations!

We congratulate Helen Phelan on being conferred her PhD. Helen was instrumental in setting up and managing ADDN in the earlier phases.

Activities

Continuous Glucose Monitoring (CGM)

- The fifth CGM evaluation report on CGM subsidy outcomes is currently underway and for reporting to government in May. We hope to share these outcomes in the coming months.
- ADDN will be extending evaluation of outcomes for CGM users on the expanded national subsidy. A separate study will commence on the use of CGM by women during pregnancy. Ethics and governance will commence soon.



Current Projects

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

Prevalence of microalbuminuria from a current Australian Diabetes Register: Are recommended goals being met for prevention? Dr Yoon Hi Cho, *Children's Hospital Westmead*

Glycaemic outcomes across the age spectrum in Australasian children and adults with Type 1 Diabetes: Data from the Australasian Diabetes Data Network. Prof Tim Jones, *Perth Children's Hospital*

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

Impact of Diabetic Ketoacidosis on Long term Glycemic Control: ADDN. Prof Jennifer Couper, *Women's and Children's Hospital*

COVID-19 and the risk of weight gain among children, adolescents and adults with type 1 diabetes. Dr Kruthika Narayan, *Children's Hospital Westmead*

Short term outcome post cessation of continuous glucose monitoring in young people with type 1 diabetes mellitus.

Dr Yu-Fang Wu, *Westmead Hospital*

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*

Pediatric diabetes registries – an international perspective. Dr Stephanie Johnson, *Queensland Children's Hospital, Qld, and Dr Anthony Zimmermann, Lyell McEwin and Modbury Hospitals, SA on behalf of the ADDN Study Group*

DKA at onset of pediatric Type-1-diabetes: Joint international comparison of time-trend and effect of the COVID pandemic in 2020. Dr Aveni Haynes, *Perth Children's Hospital, WA, and Dr Mary White, Royal Children's Hospital, Vic, on behalf of the ADDN Study*

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](#)



Website addn.org.au

Email us! info@addn.org.au

ADDN Principal Investigators

Prof. Maria Craig (*Medical Director*)
 Prof. Peter Colman
 Prof. Tim Jones
 Prof. Richard Sinnott

A/Prof. Craig Jefferies
 Dr. Stephanie Johnson
 A/Prof. Sarah Glastras
 Dr. Anthony Zimmermann

ADDN Program Team

Meng Tuck Mok *Program Manager*
 Loren Bruns Jr *Developer/Programmer*
 Melissa Chee *Data Analyst*
 Jane Makin *Technical Support Officer*

