

Supplemental information

Table S1 Sites that have contributed to TrialNet, INIT and ADDN, and their years of participation

	TrialNet	INIT	ADDN
AUSTRALIA			
National call centre	.	2006-2016	.
<i>Queensland</i>			
Royal Brisbane Hospital	2006-2009	.	.
Mater Hospital	.	.	2007-
Mater/Queensland Children's Hospital	2005-2019	2006-2014	2013-
<i>New South Wales</i>			
Hunter Diabetes Center	2016-2018	.	.
John Hunter Hospital	2015-2018	.	2012-
Royal North Shore Hospital	2012-2019	2007-2013	.
St George Hospital	.	.	2014-
Westmead Hospital	.	.	2017-
Blacktown Hospital	.	.	2020-
Liverpool Hospital	.	.	2020-
The Children's Hospital at Westmead	2006-2019	2007-2013	2014-
Campbelltown Hospital	2017-2019	.	2020-
Illawarra Diabetes Service	2006-2008	.	2021-
<i>Australian Capital Territory</i>			
Canberra Hospital	2010-2019	2006-2013	2021-
<i>Victoria</i>			
Baker IDI Heart and Diabetes Institute	2018	.	.
Royal Children's Hospital	2006-2010	2008-2013	2013-
Geelong Hospital	.	.	2020-
Ballarat Hospital	.	.	2020-
Sunshine Hospital	.	.	2017-
Royal Melbourne Hospital	2005-2019	2006-2014	2017-
St Vincent's Hospital	2006-2008	.	2017-
Monash Children's Hospital	2006-2019	2011-2014	2013-
<i>South Australia</i>			
Lyell McEwin and Modbury Hospitals	.	.	2017-
Women's and Children's Hospital	2005-2019	2007-2016	2013-
<i>Western Australia</i>			
Perth Children's Hospital	2005-2019	2007-2014	2013-
Fiona Stanley Hospital	.	.	2018-
Fremantle Hospital	2005-2007	.	.

NEW ZEALAND*North Island*

Auckland Diabetes Centre	2006-2007	.	.
North Shore Hospital	2006-2008	.	.
Liggins Institute/Starship Hospital	2006-2019	2008-2014	2017-
Wellington Hospital	2006-2019	.	.

South Island

Christchurch Diabetes Centre	2006-2016	.	.
Christchurch Hospital	2006-2018	2008-2012	2018-
Dunedin Hospital	2006-2019	.	2018-

Table S2. HbA1c, insulin dose and IDAA1c values presented as predicted mean (95%CI) N for time course data presented in Figure 3

Months after diagnosis	HbA1c (mmol/mol)				Insulin dose (U/kg/day)				IDAA1c			
	ADDN		TrialNet/INIT		ADDN		TrialNet/INIT		ADDN		TrialNet/INIT	
0	96 (97,96)	2415	68 (73,63)	28	0.74 (0.73,0.75)	2029	0.33 (0.22,0.44)	18	13 (12.9,13.2)	453	9.7 (8.5,10.9)	6
1	69 (70,69)	1800	54 (61,47)	13	0.56 (0.55,0.57)	2966	0.39 (0.29,0.49)	24	10.6 (10.5,10.7)	1434	8.3 (7.3,9.3)	10
2	58 (59,57)	1700	48 (53,42)	25	0.53 (0.52,0.54)	1844	0.36 (0.26,0.47)	19	9.5 (9.4,9.6)	1412	8 (7.2,8.8)	16
3	55 (56,55)	1780	51 (56,45)	24	0.57 (0.56,0.58)	1638	0.46 (0.36,0.57)	22	9.5 (9.4,9.6)	1503	8.7 (8,9.5)	20
4	57 (57,56)	1863	54 (60,48)	19	0.56 (0.55,0.57)	1673	0.55 (0.44,0.66)	18	9.5 (9.4,9.6)	1586	9.5 (8.7,10.2)	16
5	57 (58,57)	1603	56 (62,50)	18	0.59 (0.58,0.6)	1385	0.53 (0.41,0.65)	16	9.8 (9.7,9.8)	1333	9.5 (8.7,10.4)	14
6	58 (59,58)	1573	60 (66,54)	20	0.61 (0.59,0.62)	1356	0.57 (0.45,0.69)	15	9.9 (9.8,10)	1310	10.1 (9.3,10.9)	14
7	59 (60,59)	1643	59 (65,53)	17	0.62 (0.61,0.63)	1451	0.6 (0.49,0.71)	18	10.1 (10,10.2)	1393	10.1 (9.3,10.9)	16
8	61 (62,61)	1598	61 (67,56)	22	0.66 (0.64,0.67)	1387	0.52 (0.41,0.63)	18	10.4 (10.3,10.5)	1340	9.8 (9,10.6)	17
9	62 (62,61)	1489	61 (67,55)	20	0.67 (0.66,0.69)	1260	0.67 (0.56,0.78)	20	10.5 (10.4,10.6)	1202	10.6 (9.9,11.4)	17
10	62 (63,61)	1538	59 (66,53)	17	0.67 (0.66,0.68)	1339	0.57 (0.46,0.69)	16	10.5 (10.4,10.6)	1287	10 (9.2,10.8)	14
11	62 (63,62)	1525	59 (65,54)	21	0.7 (0.69,0.72)	1317	0.64 (0.54,0.75)	20	10.7 (10.6,10.8)	1280	10.2 (9.5,10.9)	19
12	63 (63,62)	1495	56 (62,50)	21	0.72 (0.7,0.73)	1258	0.66 (0.55,0.77)	18	10.8 (10.7,10.8)	1223	10 (9.3,10.8)	17
13	63 (64,62)	1491	60 (66,55)	25	0.73 (0.72,0.75)	1253	0.6 (0.5,0.71)	21	10.9 (10.8,11)	1214	10.2 (9.5,10.9)	21
14	64 (64,63)	1425	61 (68,55)	16	0.75 (0.74,0.77)	1222	0.75 (0.63,0.88)	13	11 (10.9,11.1)	1184	10.7 (9.8,11.5)	12
15	64 (64,63)	1475	62 (68,56)	20	0.76 (0.75,0.77)	1237	0.73 (0.62,0.85)	17	11 (10.9,11.1)	1197	10.8 (10,11.6)	17
16	64 (65,63)	1381	62 (68,56)	19	0.78 (0.77,0.79)	1158	0.78 (0.66,0.9)	16	11.1 (11,11.2)	1121	11.1 (10.3,11.9)	16
17	64 (65,63)	1372	64 (72,57)	10	0.78 (0.77,0.79)	1153	0.85 (0.7,1.01)	8	11.1 (11,11.2)	1113	11.7 (10.7,12.8)	8
18	64 (65,64)	1391	59 (64,53)	24	0.8 (0.79,0.82)	1151	0.8 (0.69,0.91)	19	11.3 (11.2,11.4)	1119	10.8 (10.1,11.5)	19
19	64 (65,63)	1384	62 (68,55)	17	0.81 (0.79,0.82)	1149	0.82 (0.7,0.94)	14	11.3 (11.2,11.4)	1109	11.1 (10.3,11.9)	13
20	65 (65,64)	1332	61 (68,53)	10	0.82 (0.81,0.83)	1113	0.72 (0.56,0.89)	7	11.4 (11.3,11.5)	1077	10.7 (9.6,11.8)	7
21	65 (65,64)	1330	64 (70,59)	21	0.82 (0.81,0.84)	1083	0.82 (0.71,0.93)	17	11.4 (11.3,11.5)	1053	11.2 (10.5,12)	17
22	65 (66,64)	1408	63 (68,57)	25	0.84 (0.83,0.85)	1125	0.77 (0.66,0.88)	20	11.5 (11.4,11.6)	1103	11 (10.2,11.7)	19
23	65 (66,65)	1300	66 (73,58)	11	0.85 (0.84,0.86)	1074	0.95 (0.8,1.1)	9	11.6 (11.5,11.7)	1048	12.1 (11.1,13.1)	9
24	65 (66,65)	1284	67 (74,61)	15	0.85 (0.84,0.86)	1025	0.83 (0.69,0.98)	9	11.6 (11.5,11.7)	995	11.6 (10.7,12.6)	9
25	65 (66,65)	1323	68 (73,62)	22	0.86 (0.85,0.87)	1061	0.91 (0.8,1.02)	19	11.6 (11.5,11.7)	1027	12.1 (11.4,12.8)	19
26	66 (67,65)	1257	64 (70,58)	19	0.86 (0.85,0.87)	1026	0.9 (0.77,1.02)	14	11.7 (11.6,11.8)	993	11.7 (10.9,12.5)	14
27	66 (67,65)	1250	63 (70,57)	14	0.88 (0.86,0.89)	992	0.92 (0.78,1.06)	10	11.7 (11.6,11.8)	959	11.5 (10.6,12.5)	10
28	66 (67,65)	1211	68 (74,62)	21	0.87 (0.86,0.89)	950	0.95 (0.84,1.06)	18	11.7 (11.6,11.8)	931	12.2 (11.4,12.9)	18
29	66 (67,66)	1223	64 (71,58)	16	0.89 (0.88,0.91)	982	0.97 (0.84,1.1)	12	11.8 (11.7,11.9)	945	12.1 (11.2,12.9)	12
30	66 (66,65)	1230	68 (76,61)	11	0.89 (0.87,0.9)	958	1.01 (0.85,1.17)	8	11.7 (11.6,11.8)	944	12.8 (11.7,13.8)	8
31	66 (67,65)	1242	70 (77,63)	14	0.89 (0.88,0.91)	984	0.98 (0.85,1.11)	12	11.8 (11.7,11.9)	956	11.9 (11,12.8)	11
32	66 (67,65)	1163	68 (74,62)	17	0.9 (0.88,0.91)	918	0.85 (0.72,0.98)	12	11.9 (11.8,12)	888	11.7 (10.8,12.6)	11
33	66 (67,66)	1153	64 (73,56)	8	0.92 (0.9,0.93)	921	0.89 (0.7,1.08)	5	11.9 (11.8,12)	890	11.7 (10.1,13.3)	3
34	67 (68,66)	1174	64 (70,58)	17	0.91 (0.89,0.92)	896	0.95 (0.83,1.07)	15	12 (11.9,12.1)	879	11.5 (10.7,12.4)	15
35	67 (67,66)	1155	62 (69,55)	13	0.92 (0.9,0.93)	882	0.9 (0.77,1.03)	12	12 (11.9,12.1)	855	11.5 (10.6,12.4)	12
36	67 (67,66)	1128	67 (74,60)	13	0.92 (0.9,0.93)	862	0.88 (0.75,1.01)	13	12 (11.9,12.1)	840	12.1 (11.2,13)	12

Different individuals potentially contributing to different time points. Insulin dose-adjusted HbA1c (IDAA1c) was calculated as 4 x daily insulin dose per kilogram body weight added to HbA1c (in percentage units; (23)).

Table S3. Members of the Australasian Diabetes Data Network

Name	Organization
Professor Maria Craig Medical Director	The Children's Hospital at Westmead, Sydney
Professor Peter Colman ADDN PI	The Royal Melbourne Hospital, Melbourne
A/Prof Sarah Glastras ADDN PI	Royal North Shore Hospital, Sydney
Dr Craig Jefferies ADDN PI	Starship Children's Health, New Zealand
Clinical Professor Tim Jones ADDN PI	Perth Children's Hospital, Perth
Dr Stephanie Johnson ADDN PI	Queensland Children's Hospital, Brisbane
Professor Richard Sinnott ADDN PI	eResearch, University of Melbourne
Dr Anthony Zimmermann ADDN PI	Lyell McEwin Hospital, Elizabeth Vale
Dr Kym Anderson	University Hospital Geelong, Geelong
A/Prof Sof Andrikopoulos	Australian Diabetes Society
Clinical Professor Geoff Ambler	The Children's Hospital at Westmead, Sydney
Dr Helen Barrett	The Mater Private Hospital, Brisbane
Professor Jenny Batch	Queensland Children's Hospital, Brisbane
A/Prof Philip Bergman	Monash Children's Hospital, Melbourne
Professor Fergus Cameron	Royal Children's Hospital, Melbourne
A/Prof Louise Conwell	Queensland Children's Hospital, Brisbane
A/Prof Andrew Cotterill	Queensland Children's Hospital, Brisbane
Dr Chris Cooper	University Hospital Geelong, Geelong
Professor Jennifer Couper	Women's and Children's Hospital, Adelaide
A/Prof Elizabeth Davis	Perth Children's Hospital, Perth
Dr Martin de Bock	Christchurch Hospital, New Zealand
Professor Kim Donaghue	The Children's Hospital at Westmead, Sydney
Dr Jan Fairchild	Women's and Children's Hospital, Adelaide
Dr Gerry Fegan	Fiona Stanley Hospital, Perth
Dr Spiros Fourlanos	The Royal Melbourne Hospital, Melbourne
Dr Peter Goss	Geelong, Victoria
Dr Leonie Gray	Mater Medical Centre, Rockhampton
A/Prof Shane Hamblin	Western Health, Melbourne
Professor Paul Hofman	University of Auckland, New Zealand
A/Prof Dianne Jane Holmes-Walker	Westmead Hospital, Sydney
Dr Steven James	University of the Sunshine Coast, Caboolture
Dr Jeff Kao	Royal Children's Hospital, Melbourne
A/Prof Bruce R King	John Hunter Children's Hospital, Newcastle

Dr Antony Lafferty	The Canberra Hospital, Canberra
Ms Michelle Martin	Illawarra Shoalhaven Diabetes Service, Wollongong
Dr Robert McCrossin	Gladstone Hospital, Gladstone
Dr Mark Pascoe	Royal Hobart Hospital, Hobart
Dr Ryan Paul	Waikato Hospital, New Zealand
Dr Dorota Pawlak	JDRF Australia
Dr Alexia Peña	The University of Adelaide, Adelaide
A/Prof Darrell Price	Pacific Private Clinic, Gold Coast
A/Prof Christine Rodda	Sunshine Hospital, Melbourne
Prof David Simmons	Campbelltown Hospital, Sydney
Dr Carmel Smart	John Hunter Children's Hospital, Newcastle
Dr Monique Stone	Royal North Shore Hospital, Sydney
A/Prof Steve Stranks	Australian Diabetes Society
Dr Elaine Tham	Women's and Children's Hospital, Adelaide
Dr Kris Neville	Sydney Children's Hospital, Sydney
Dr Tony Huynh	Queensland Children's Hospital, Brisbane
A/Prof Glenn Ward	St. Vincent's Hospital, Melbourne
A/Prof Ben Wheeler	Dunedin School of Medicine, New Zealand
Dr Helen Woodhead	Australasian Paediatric Endocrine Group

Figure S1. Age and geographical distribution of the 17,105 TrialNet/INIT participants
 A. Distribution of participant ages at first screen. B. Geographical distribution of participants compared to that of the general population according to 2020 census data.

