MONASH University

2025

AUSTRALIAN DIABETES CLINICAL QUALITY REGISTRY

SUPPLEMENT

ads Australian Diabetes Society

nadc National Association of Diabetes Centres

CONTENTS

ABBREVIATIONS AND ACRONYMS

ACE	Angiotensin Converting Enzyme
ADCQR	Australian Diabetes Clinical Quality Registry
ADS	Australian Diabetes Society
ANDA	Australian National Diabetes Audit
ARB	Angiotensin II Receptor Blockers
BMI	Body Mass Index
BP	Blood Pressure
CABG	Coronary Artery Bypass Graft
COVID-19	Coronavirus disease-2019
CSII	Continuous Subcutaneous Insulin Infusion
CQR	Clinical Quality Registry
DKA	Diabetic Ketoacidosis
DPP4	Dipeptidyl Peptidase-4
DVA	Department of Veterans Affairs
eGFR	Estimated Glomerular Filtration Rate
GIP	Gastric Inhibitory Polypeptide
GLP-1	Glucagon-Like Peptide-1
HbA1c	Glycated Haemoglobin
HDL	High-Density Lipoprotein
HHS	Hyperosmolar Hyperglycaemic State
IQR	Interquartile Range
LDL	Low-Density Lipoprotein
NADC	National Association of Diabetes Centres
NDOQRIN	National Diabetes Outcomes Quality Review Initiative
NDSS	National Diabetes Services Scheme
Non-HDL	Non-High-Density Lipoprotein
PCR	Protein-to-Creatinine Ratio
PCSK9	Proprotein Convertase Subtilisin/Kexin Type 9
REDCap	Research Electronic Data Capture
SD	Standard Deviation
SGLT2	Sodium-Glucose Co-Transporter 2
SPHPM	School of Public Health and Preventive Medicine
T1DM	Type 1 Diabetes Mellitus
T2DM	Type 2 Diabetes Mellitus

BACKGROUND

This is the Supplement to the Australian Diabetes Clinical Quality Registry (ADCQR) 2025 Annual Report.

The background and methodology are included in detail in the Annual Report.

The Australian Diabetes Clinical Quality Registry (ADCQR), successor to the Australian National Diabetes Audit (ANDA), is a clinician-led, Australian Government funded National Clinical Quality Registry (CQR) for adults with diabetes. It collects data from adults with diabetes attending health care services providing diabetes care across Australia. The data collected captures clinical (process, risk factor and outcome) indicators, as well as patient reported outcomes comprising of self-care/management and health service utilisation.

Most of the variables captured in the dataset have been collected using yes/no responses or other choice options to reduce the amount of written data required. The data collection forms and data definitions document, which were provided to participating health services (sites) to assist in the collection of data, are included in the Appendices at the end of this document.

This Supplement provides supporting information for the ADCQR 2025 Annual Report, covering data queries, assumptions and manipulations, and data analysis and results. It includes frequency counts and missingness data for each variable, along with key findings on the proportion of patients meeting guideline-recommended clinical targets.

DATA QUERIES, ASSUMPTIONS AND MANIPULATIONS

Data queries were generated and queried with participating sites, including fields with missing data and/or potentially incorrect values. Possible participant (patient) duplicates (due to double individual registration/data entry) were queried based on: sex, date of birth, country of birth matches.

Data assumptions and decisions were made based on the following rules:

Missing data were calculated conditionally where relevant:

- Date of visit = 01/06/2025 if missing
- Date of diagnosis: If the day and/or month were missing, but the year was provided, the date was assumed to be the first day of the month, and the month was assumed to be January (01)
- HbA1c test date: If only the day was missing, but the month and year were provided, the date was assumed to be the last day of the reported month

Invalid data were excluded:

- Age <18 years
- Year of birth <1900
- Incorrect date formats (e.g. month >12)
- Date of birth after visit date
- Male = Pregnant or Female aged <18 or >55 = Pregnant
- T1DM and insulin use not indicated, unless <12 months since diagnosis
- T1DM and on insulin ≥3 years after date of diagnosis
- T1DM and sulphonylurea = Yes
- 'Year of diagnosis' and 'Insulin duration' excluded if < calculated age
- Calculated years of diagnosis < years on insulin > calculated age
- Number of finger pricks a day <1
- Proportion of time using sensors if continuous/flash glucose monitoring not indicated
- Height <1.3 metres or >2.2 metres
- Weight <40 kilograms or >200 kilograms*
- Calculated BMI <15 kg/m^2 or >50 kg/m^2
- Systolic BP < diastolic BP
- Systolic BP <70mmHg or >200mmHg
- Diastolic BP <40mmHg or >130mmHg
- HbA1c test date is after date of visit
- Urinary albumin/protein value, if units not indicated
- HbA1c <3%*
- HbA1c >22%*
- Total cholesterol <2.0 mmol/L*
- HDL cholesterol >2.5 mmol/L*
- Calculated Non-HDL<0
- Triglyceride <0.5 mmol/L*
- Total cholesterol < LDL, HDL or triglycerides
- Creatinine <50 or >1000 µmol/L*
- Congestive cardiac failure = Yes for both diagnosed/detected in the last 12 months and prior to the last 12 months*
- Dementia = Yes for both diagnosed/detected in the last 12 months and prior to the last 12 months*
- End stage kidney disease = Yes for both diagnosed/detected in the last 12 months and prior to the last 12 months*
- Retinopathy = No in the last 12 months, but treatment for retinopathy = Yes in the last 12 months*
- Retinopathy = No prior to the last 12 months, but treatment for retinopathy = Yes prior to the last 12 months*

**Data queried, but not excluded*

Data manipulations and derivation applied to fields with invalid data:

- Age was calculated: Date of visit – Date of birth
- Diagnosis date = Start of insulin date (if start of insulin date was before diagnosis date)
- Duration of diabetes was calculated: Date of diagnosis – Date of visit
- Only unknown/missing diabetes type, were reclassified to T1DM using the following criteria:
  - If patient was on insulin therapy and pump (this applies for any age at diagnosis and any time from diagnosis to insulin therapy - as long as there is no missing data)
  - If age at diagnosis <30 years and time from diagnosis to insulin therapy ≤1 year and patient was on insulin therapy
  - If age at diagnosis <30 years and time from diagnosis to insulin therapy (>1 and <3) years and patient is on insulin therapy and (basal bolus or pump)
- Only unknown/missing diabetes type, were reclassified to T2DM using the following criteria:
  - If age at diagnosis ≥30 years and time from diagnosis to insulin therapy ≥3 years and patient was on insulin therapy
- Finger pricking changed to 'Yes' if check as often as recommended, or number of times a day was indicated
- 'Diet only' changed to 'No' if other management methods details were indicated
- Self-monitoring of glucose = None changed to 'No' if any other monitoring methods were indicated
- Glycaemic management method for Insulin changed to 'Yes' if insulin duration and/or mode indicated
- Insulin mode = pump changed to 'Yes' if any of the pump types were indicated
- If hybrid closed loop system was indicated as 'Yes', CSII non-automated was changed to 'Yes'
- BMI was calculated: weight (kg)/height $(m)^2$. If height was greater than 2.5, it was assumed that it was reported in metres instead of centimetres.
- Instances where patients reported multiple modes of insulin, the following hierarchical algorithm was used: Hybrid closed loop system > Pump > Basal bolus > Pre-mixed > Basal
- Antihypertensive therapy changed to 'Yes' if any medications were indicated
- 'Lipid modifying therapy' changed to 'Yes' if any therapy details were indicated (as 'Yes')
- Urinary protein/albumin assessment was used to define albuminuria based on published guidelines for laboratory thresholds
- Urinary albumin was the primary measure to define albuminuria and where urinary albumin was missing, urinary protein was used to define albuminuria
- Lipids measured changed to 'Yes' if any of the lipid measurements were provided
- Lipid non-HDL cholesterol was calculated: Total cholesterol – HDL cholesterol
- Lower limb amputation changed to 'Yes' if any of the minor or major amputation types were indicated as 'Yes'
- Severe hypoglycaemia changed to 'Yes' if 'No. of episodes' was indicated
- 'COVID-19' changed to 'Yes' if 'Hospitalisation required (for COVID-19)' was indicated as 'Yes'
- 'Current smoker' changed to 'No' if 'Previously smoked' was indicated as 'Yes'
- 'Forget medications' was changed to 'Yes' if number of times was indicated

STATISTICAL ANALYSES

Descriptive statistics

Results are presented descriptively as frequencies and percentages for categorical variables, and mean and standard deviation (SD) for continuous variables. Variables that were not normally distributed are presented as median and interquartile range (IQR, where IQR is represented by the first quartile (Q1 or 25th percentile) and third quartile (Q3 or 75th percentile)). Percentages may not always add to 100% due to rounding. In the tables, % was calculated using the denominator for the total cohort (including missing data) while Relative % was calculated assuming the denominator did not include missing data.

Missing Data

Missing data are reported as frequency and percentage. Percentage was calculated from the total number of applicable respondents (for example, missing pregnancy data is calculated from the total number of female patients of reproductive age).

KEY FINDINGS

KEY FINDINGS

DEMOGRAPHICS

65 Participating Centres

3705 Patients

32 Centres of Excellence & Tertiary Care Centres

33 Secondary & Primary Care Centres

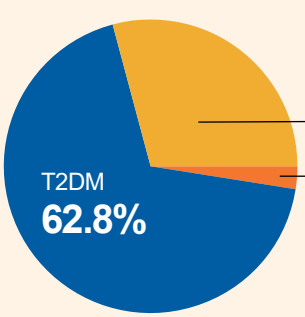
6 States & Territories

SEX DISTRIBUTION

43.2% Females

56.8% Males

TYPES OF DIABETES*



34.5% T1DM

2.8% Other (Secondary Causes)

**Excluding unknown or unstated diabetes type*

MEAN AGE

T1DM **45.5** Years

T2DM **64.4** Years

MEDIAN DURATION OF DIABETES

T1DM **19.1** Years

T2DM **14.5** Years

BLOOD GLUCOSE MONITORING

T1DM BLOOD GLUCOSE MONITORING

8.3% Blood Glucose Self Monitoring Only

86.8% Continuous Glucose Monitoring Only

4.8% Both Blood & Continuous Glucose Monitoring

T2DM BLOOD GLUCOSE MONITORING

14.2% No Regular Blood Glucose Monitoring

76.5% Blood Glucose Self Monitoring Only

7.1% Continuous Glucose Monitoring Only

2.2% Both Blood & Continuous Glucose Monitoring

T1DM: Type 1 Diabetes Mellitus; T2DM: Type 2 Diabetes Mellitus

GLUCOSE MANAGEMENT

T1DM

8.1%
MEAN HBA1C (%)

7.6%
MEDIAN HBA1C (%)

63.7%
Multiple Daily Injections Of Insulin

36.3%
Continuous Subcutaneous Insulin Infusion

12.4%
Additional Non-Insulin Therapy

T2DM

8.4%
MEAN HBA1C (%)

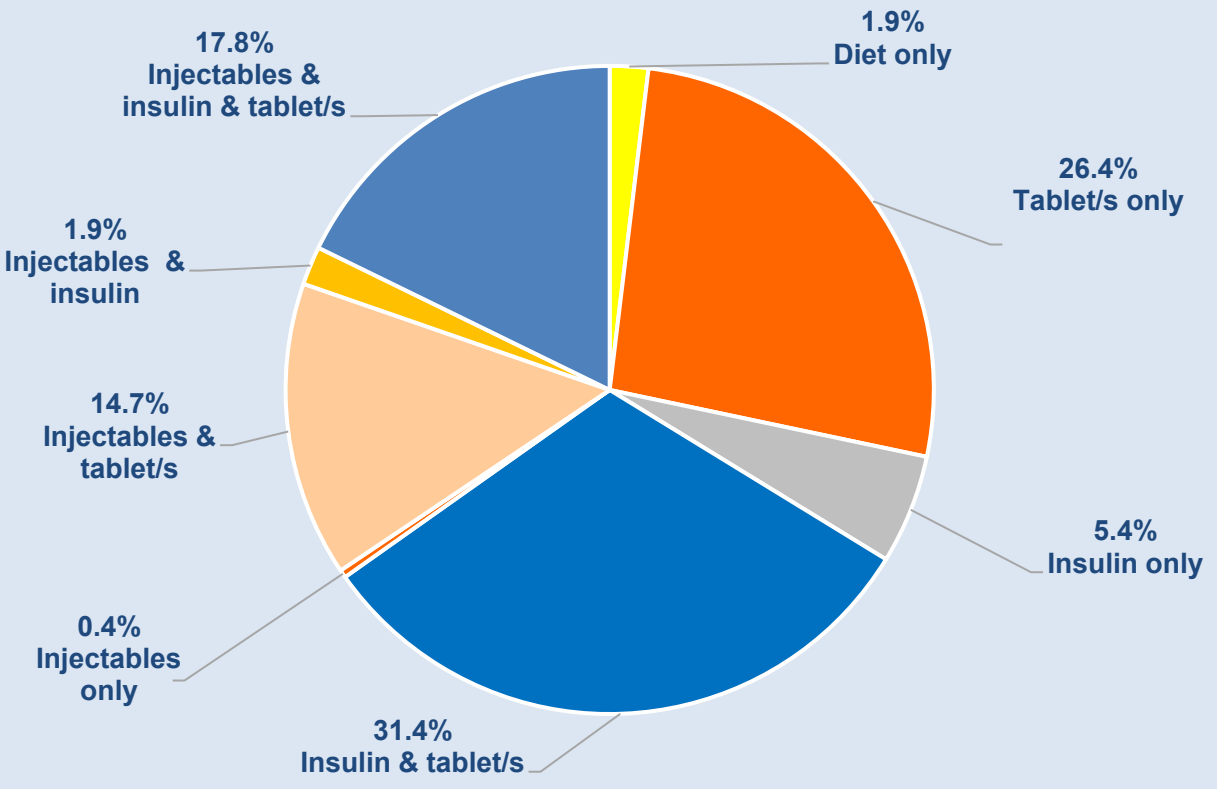
7.8%
MEDIAN HBA1C (%)

14.3%
On 1 Glucose Lowering Therapy

27.6%
On 2 Glucose Lowering Therapies

58.1%
On ≥3 Glucose Lowering Therapies

TYPES OF GLUCOSE LOWERING THERAPIES (T2DM ONLY)



RISK FACTORS

CHOLESTEROL

44.1%
Total Cholesterol <4.0 mmol/L

64.6%
On Lipid Modifying Therapy

SMOKING

30.7%
Past Smokers

14.3%
Current Smokers

BLOOD PRESSURE

35.0%
Blood Pressure <130/80 mmHg

67.1%
Blood Pressure <140/90 mmHg

58.7%
On Antihypertensive Therapy

BODY MASS INDEX

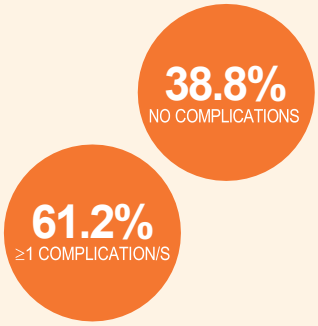
30.6 KG/M²
Mean BMI

T1DM 34.6%
Not Overweight/Obese

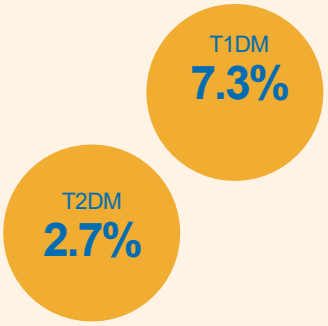
T2DM 14.8%
Not Overweight/Obese

COMPLICATIONS (EVER REPORTED)

OVERALL COMPLICATIONS

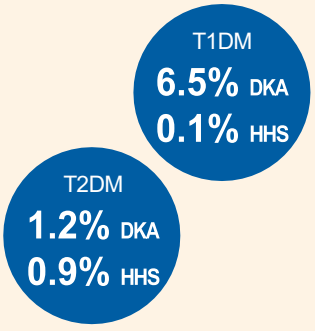


EXPERIENCED SEVERE HYPOGLYCAEMIA*



*In the last 12 months

EXPERIENCED DKA OR HHS*



*In the last 12 months

CARDIOVASCULAR DISEASE

15.1%
Myocardial Infarction/CABG

7.0%
Stroke

9.0%
Peripheral Vascular Disease

KIDNEY AND EYE DISEASE

24.5%
Retinopathy

2.3%
Blindness

5.2%
End-Stage Kidney Disease

FOOT COMPLICATIONS

10.6%
Foot Ulceration

24.5%
Peripheral Neuropathy

5.1%
Amputation

CABG: Coronary Artery Bypass Graft; DKA: Diabetic Ketoacidosis; HHS: Hyperosmolar Hyperglycaemic State

PATIENT REPORTED OUTCOMES

HEALTH PROFESSIONAL ATTENDANCES (IN THE LAST 12 MONTHS)

72.9%
Diabetes Educator/Nurse Practitioner

39.0%
Dietitian

79.8%
Ophthalmologist/Optometrist

17.0%
Psychologist/Psychiatrist

52.1%
Podiatrist

23.5%
Exercise Physiologist/ Physiotherapist

PHYSICAL ACTIVITY

39.1%
≥150 Mins/Week Moderate Or Vigorous Activity

43.8%
Muscle Strengthening Exercise

NUTRITION/DIET MANAGEMENT

82.6%
Sufficient Time To Prepare Healthy Meals

57.8%
Not Too Costly To Eat Well

91.8%
Know What Foods Are Best To Eat

59.7%
T1DM Only – Not Hard To Count Carbs/Weigh Food

VACCINATIONS

21.7%
Received A COVID-19 Vaccination/Booster In The Last 6 Months

59.0%
Received An Influenza Vaccination In The Last 12 Months

19.8%
Were Up-To-Date With Pneumococcal Vaccination

FREQUENCY COUNT DATA

SECTION 1. PATIENT DEMOGRAPHICS

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
1.0	**Consultation method**									
		In person	3378	91.2%	94.9%					
		Phone	113	3.0%	3.2%					
		Video	68	1.8%	1.9%					
		Missing	146	3.9%						
		Sum	**3705**	**100%**	**100%**					
1.1	**Date of birth**									
		DOB	3705	100.0%	100%					
		Missing	0	0.0%						
		Sum	**3705**	**100%**	**100%**					
	Age									
		Age (years)	3705	100.0%	100%	60.9	57.6	17.6	18.2	97.1
		Missing	0	0.0%						
		Sum	**3705**	**100%**	**100%**					
1.2	**Sex**									
		Male	2104	56.8%	56.8%					
		Female	1600	43.2%	43.2%					
		Other	1	0.03%	0.1%					
		Missing	0	0.0%						
		Sum	**3705**	**100%**	**100%**					
1.2.1	**Currently pregnant (females aged 18-55 years)**									
		Yes	16	2.4%	2.5%					
		No	627	94.7%	97.5%					
		Missing	19	2.9%						
		Sum	**662**	**100%**	**100%**					
1.3	**Date of visit**									
		Visit Date	3705	100.0%	100%					
		Missing	0	0.0%						
		Sum	**3705**	**100%**	**100%**					
1.4	**NDSS registrant**									
		Yes	3350	90.4%	95.1%					
		No	174	4.7%	4.9%					
		Missing	181	4.9%						
		Sum	**3705**	**100%**	**100%**					
1.5	**Aboriginal/Torres Strait Islander**									
		Yes	131	3.5%	3.6%					
		No	3497	94.4%	96.4%					
		Missing	77	2.1%						
		Sum	**3705**	**100%**	**100%**					
1.6	**Initial visit**									
		Yes	564	15.2%	15.8%					
		No	3006	81.1%	84.2%					
		Missing	135	3.6%						
		Sum	**3705**	**100%**	**100%**					

**Relative % = % of the total excluding the missing values*

SECTION 1. PATIENT DEMOGRAPHICS (continued)

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
1.7	**Interpreter required**									
		Yes	106	2.9%	3.1%					
		No	3334	90.0%	96.9%					
		Missing	265	7.2%						
		Sum	**3705**	**100%**	**100%**					
1.8	**Main language spoken at home**									
		Language provided	3423	92.4%	100%					
		Missing	282	7.6%						
		Sum	**3705**	**100%**	**100%**					
1.9	**DVA**									
		Yes	41	1.1%	1.2%					
		No	3483	94.0%	98.8%					
		Missing	181	4.9%						
		Sum	**3705**	**100%**	**100%**					
1.10	**Country of birth**									
		Country	3537	95.5%	100%					
		Missing	168	4.5%						
		Sum	**3705**	**100%**	**100%**					
1.11	**Residential postcode**									
		Postcode provided	3576	96.5%	100%					
		Missing	129	3.5%						
		Sum	**3705**	**100%**	**100%**					

**Relative % = % of the total excluding the missing values*

SECTION 2. DIABETES TYPE & MANAGEMENT

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
2.1	**Date of diagnosis**									
		Year	3623	97.8%	100%					
		Missing	82	2.2%						
		Sum	**3705**	**100%**	**100%**					
	Diabetes duration					**Median**	**IQR**		**Min**	**Max**
		Diabetes duration (years)	3621	97.7%	100%	15.5	8.0	25.5	0.0	77.5
		Missing	84	2.3%						
		Sum	**3705**	**100%**	**100%**					
2.2	**Type of diabetes**									
		T1DM	1274	34.4%	34.4%					
		T2DM	2320	62.6%	62.6%					
		Other (Secondary causes)	103	2.8%	2.8%					
		Don't know	8	0.2%	0.2%					
		Missing	0	0.0%						
		Sum	**3705**	**100%**	**100%**					
2.3	**Self-monitoring of glucose**									
		None	322	8.7%	9.0%					
		Finger pricking only	1852	50.0%	51.5%					
		Continuous glucose monitoring only	1300	35.1%	36.2%					
		Finger pricking and CGM	119	3.2%	3.3%					
		Missing	112	3.0%						
		Sum	**3705**	**100%**	**100%**					
2.3.1	**Check as often as recommended****									
		Yes	1118	56.7%	59.6%					
		No	631	32.0%	33.6%					
		Unsure	127	6.4%	6.8%					
		Missing	95	4.8%						
		Sum	**1971**	**100%**	**100%**					
	***Of patients using finger pricking*									
2.3.2	**Number of times a day****					**Median**	**Mean**	**SD**	**Min**	**Max**
		Provided	1841	93.4%	100.0%	2.0	2.0	1.6	0.0	31.0
		Missing	130	6.6%						
		Sum	**1971**	**100%**	**100%**					
	***Of patients using finger pricking*									
2.3.3	**Sensor worn for ≥14 days in the last 3 months†**									
		Yes	1262	88.9%	93.5%					
		No	88	6.2%	6.5%					
		Missing	69	4.9%						
		Sum	**1419**	**100%**	**100%**					
	† Of patients using flash/continuous glucose monitoring									
2.3.4	**Percentage of active time sensor†**									
		<70%	133	10.5%	10.7%					
		≥70%	1114	88.3%	89.3%					
		Missing	15	1.2%						
		Sum	**1262**	**100%**	**100%**					
	† Of patients using flash/continuous glucose monitoring									

**Relative % = % of the total excluding the missing values*

SECTION 2. DIABETES TYPE & MANAGEMENT (continued)

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
2.4	**Management method**									
		Diet only	45	1.2%	1.2%					
		Metformin**	1909	51.5%	51.9%					
		Sulphonylurea**	484	13.1%	13.1%					
		Thiazolidinedione**	9	0.2%	0.2%					
		Acarbose**	8	0.2%	0.2%					
		DPP4 inhibitor**	573	15.5%	15.6%					
		SGLT2 inhibitor**	1209	32.6%	32.8%					
		GLP1/GIP agonist**	865	23.3%	23.5%					
		Insulin**	2665	71.9%	72.4%					
		Missing	24	0.6%						
	***Monotherapy or in combination with other treatments*									
2.4.1	**Insulin duration****									
		<5 years	734	27.5%	29.8%					
		5-10 years	530	19.9%	21.5%					
		>10 years	1203	45.1%	48.8%					
		Missing	198	7.4%						
		Sum	**2665**	**100%**	**100%**					
	***Of patients using insulin*									
2.4.2	**Insulin mode**†**									
		Basal	381	14.3%	14.4%					
		Basal & pre-mixed insulin	8	0.3%	0.3%					
		Basal bolus	1113	41.8%	42.1%					
		Basal bolus & pre-mixed insulin	20	0.8%	0.8%					
		CSII automated (hybrid closed loop system)	399	15.0%	15.1%					
		CSII automated (non-hybrid, other)	7	0.3%	0.3%					
		CSII automated (unstated type)	15	0.6%	0.6%					
		CSII non-automated	46	1.7%	1.7%					
		Pre-mixed insulin	656	24.6%	24.8%					
		Unstated	20	0.8%						
		Sum	**2665**	**100%**	**100%**					
	***Of patients using an insulin pump*									
	† Multiple modes of insulin reported in some patients									

**Relative % = % of the total excluding the missing values*

SECTION 3. WEIGHT & HEIGHT

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
3.1	**Weight**									
		Weight (kg)	3592	97.0%	100%	85.2	88.4	23.0	25.0	250.0
		Missing	113	3.0%						
		Sum	**3705**	**100%**	**100%**					
3.2	**Height**									
		Height (m)	3551	95.8%	100%	1.7	1.7	0.1	1.0	2.1
		Missing	154	4.2%						
		Sum	**3705**	**100%**	**100%**					

SECTION 4. BLOOD PRESSURE

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
4.1a	**Systolic blood pressure**									
		Systolic (mmHg)	3501	94.5%	100%	130	132	18	80	220
		Missing	204	5.5%						
		Sum	**3705**	**100%**	**100%**					
4.1b	**Diastolic blood pressure**									
		Diastolic (mmHg)	3501	94.5%	100%	78	77	10	40	141
		Missing	204	5.5%						
		Sum	**3705**	**100%**	**100%**					
4.1.1	**Blood pressure method****									
		Measured in clinic	3021	86.3%	91.7%					
		Self-reported	273	7.8%	8.3%					
		Missing	207	5.9%						
		Sum	**3501**	**100%**	**100%**					
	***Of patients with blood pressure measured*									
4.2	**Antihypertensive therapy**									
		Yes	2137	57.7%	58.7%					
		No	1505	40.6%	41.3%					
		Missing	63	1.7%						
		Sum	**3705**	**100%**	**100%**					
4.2.1	**Antihypertensive therapies****									
		ACE inhibitor†	871	23.5%	23.9%					
		ARB†	880	23.8%	24.2%					
		Calcium channel blocker†	711	19.2%	19.5%					
		Thiazides/Diuretics†	415	11.2%	11.4%					
		Beta blocker†	680	18.4%	18.7%					
		Other antihypertensive†	201	5.4%	5.5%					
		Missing	63	1.7%						
	***Of patients on antihypertensive therapy*									
	† Monotherapy or in combination with other antihypertensive therapies									

**Relative % = % of the total excluding the missing values*

SECTION 5. BLOOD GLUCOSE CONTROL & RENAL FUNCTION

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
5.1	**HbA1c result (%)**									
		HbA1c (%)	3519	95.0%	100%	7.9	8.3	2.0	3.2	20.3
		Missing	186	5.0%						
		Sum	**3705**	**100%**	**100%**					
5.1.1	**HbA1c (%) test date**									
		HbA1c (%) test date provided	2086	59.3%	100%					
		Missing	1433	40.7%						
		Sum	**3519**	**100%**	**100%**					
5.2	**eGFR**									
		eGFR (mL/min per 1.73m^2)	3322	89.7%	100%	84.0	73.7	21.5	3.0	154.0
		Missing	383	10.3%						
		Sum	**3705**	**100%**	**100%**					
5.3	**Serum creatinine**									
		Creatinine (µmol/L)	3137	84.7%	100%	80.0	100.1	92.3	0.0	1176.0
		Missing	568	15.3%						
		Sum	**3705**	**100%**	**100%**					
5.4a	**Urinary albumin result (all units)**									
		Result	2125	57.4%	100%					
		Missing	1580	42.6%						
		Sum	**3705**	**100%**	**100%**					
	Urinary albumin result (mg/L)					**Median**	**IQR**		**Min**	**Max**
		Result provided	759	20.5%	100%	10.0	3.75	36.25	0.0	10661.6
	Albumin:creatinine (ratio)									
		Result provided	1366	36.9%	100%	1.7	0.80	7.20	0.0	1900.0
5.4b	**Urinary protein result (all units)**									
		Result provided	450	12.1%	100%					
		Missing	3255	87.9%						
		Sum	**3705**	**100%**	**100%**					
	Urinary protein result (mg/L)									
		Result provided	253	6.8%	100%	4.2	5.00	120.00	0.0	10661.6
	Protein:creatinine (ratio)									
		Result provided	197	5.3%	100%	9.0	0.85	21.00	0.0	4084.0

**Relative % = % of the total excluding the missing values*

SECTION 6. MEDICATIONS & LIPIDS

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
6.1	**Aspirin**									
		Yes	895	24.2%	24.5%					
		No	2745	74.1%	75.1%					
		Contraindicated	13	0.4%	0.4%					
		Missing	52	1.4%						
		Sum	**3705**	**100%**	**100%**					
6.2	**Other antiplatelets**									
		Yes	213	5.7%	5.8%					
		No	3430	92.6%	93.9%					
		Contraindicated	9	0.2%	0.2%					
		Missing	53	1.4%						
		Sum	**3705**	**100%**	**100%**					
6.3	**Anticoagulants**									
		Yes	307	8.3%	8.4%					
		No	3338	90.1%	91.5%					
		Contraindicated	5	0.1%	0.1%					
		Missing	55	1.5%						
		Sum	**3705**	**100%**	**100%**					
6.4	**Lipid modifying therapy**									
		Yes	2367	63.9%	64.6%					
		No	1296	35.0%	35.4%					
		Missing	42	1.1%						
		Sum	**3705**	**100%**	**100%**					
6.4.1	**Statin****									
		Yes	2206	93.2%	93.2%					
		No	143	6.0%	6.0%					
		Contraindicated	17	0.7%	0.7%					
		Missing	1	0.0%						
		Sum	**2367**	**100%**	**100%**					
6.4.2	**Fibrate****									
		Yes	338	14.3%	14.3%					
		No	2018	85.3%	85.3%					
		Contraindicated	10	0.4%	0.4%					
		Missing	1	0.0%						
		Sum	**2367**	**100%**	**100%**					
6.4.3	**Ezetimibe****									
		Yes	429	18.1%	18.1%					
		No	1927	81.4%	81.4%					
		Contraindicated	10	0.4%	0.4%					
		Missing	1	0.0%						
		Sum	**2367**	**100%**	**100%**					
6.4.4	**Fish oil****									
		Yes	109	4.6%	4.6%					
		No	2249	95.0%	95.1%					
		Contraindicated	8	0.3%	0.3%					
		Missing	1	0.0%						
		Sum	**2367**	**100%**	**100%**					
6.4.5	**PCSK9****									
		Yes	27	1.1%	1.1%					
		No	2329	98.4%	98.5%					
		Contraindicated	9	0.4%	0.4%					
		Missing	2	0.1%						
		Sum	**2367**	**100%**	**100%**					

***Of patients on lipid modifying therapy*

**Relative % = % of the total excluding the missing values*

SECTION 6. MEDICATIONS & LIPIDS (continued)

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
6.5	**Lipids measured**									
		Yes	2714	73.3%	73.9%					
		No	958	25.9%	26.1%					
		Missing	33	0.9%						
		Sum	**3705**	**100%**	**100%**					
6.5.1	**Total cholesterol****									
		Total cholesterol (mmol/L)	2690	99.1%	100%	4.1	4.3	1.3	1.4	16.5
		Missing	24	0.9%						
		Sum	**2714**	**100%**	**100%**					
6.5.2	**LDL****									
		LDL (mmol/L)	2402	88.5%	100%	2.0	2.2	1.0	0.1	6.9
		Missing	312	11.5%						
		Sum	**2714**	**100%**	**100%**					
6.5.3	**HDL****									
		HDL (mmol/L)	2441	89.9%	100%	1.2	1.3	0.4	0.1	5.5
		Missing	273	10.1%						
		Sum	**2714**	**100%**	**100%**					
6.5.4	**Triglycerides****					**Median**	**IQR**		**Min**	**Max**
		Triglycerides (mmol/L)	2513	92.6%	100%	1.4	0.9	2.1	0.2	14.5
		Missing	201	7.4%						
		Sum	**2714**	**100%**	**100%**					

***Of patients with lipids measured*

**Relative % = % of the total excluding the missing values*

SECTION 7. DIABETES RELATED EYE & FOOT COMPLICATIONS

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
7.1a	**Retinopathy - last 12 months**									
		Yes	293	7.9%	8.3%					
		No	3230	87.2%	91.7%					
		Missing	182	4.9%						
		Sum	**3705**	**100%**	**100%**					
7.1b	**Retinopathy - previous**									
		Yes	704	19.0%	19.9%					
		No	2833	76.5%	80.1%					
		Missing	168	4.5%						
		Sum	**3705**	**100%**	**100%**					
7.2a	**Treatment for retinopathy - last 12 months**									
		Yes	196	5.3%	5.5%					
		No	3378	91.2%	94.5%					
		Missing	131	3.5%						
		Sum	**3705**	**100%**	**100%**					
7.2b	**Treatment for retinopathy - previous**									
		Yes	408	11.0%	11.9%					
		No	3017	81.4%	88.1%					
		Missing	280	7.6%						
		Sum	**3705**	**100%**	**100%**					
7.3a	**Right or left cataract - last 12 months**									
		Yes	388	10.5%	10.8%					
		No	3201	86.4%	89.2%					
		Missing	116	3.1%						
		Sum	**3705**	**100%**	**100%**					
7.3b	**Right or left cataract - previous**									
		Yes	711	19.2%	20.8%					
		No	2715	73.3%	79.2%					
		Missing	279	7.5%						
		Sum	**3705**	**100%**	**100%**					
7.4a	**Blindness - last 12 months**									
		Yes	23	0.6%	0.7%					
		No	3405	91.9%	99.3%					
		Missing	277	7.5%						
		Sum	**3705**	**100%**	**100%**					
7.4b	**Blindness - previous**									
		Yes	68	1.8%	2.0%					
		No	3357	90.6%	98.0%					
		Missing	280	7.6%						
		Sum	**3705**	**100%**	**100%**					
7.5a	**Peripheral neuropathy - last 12 months**									
		Yes	442	11.9%	12.1%					
		No	3202	86.4%	87.9%					
		Missing	61	1.6%						
		Sum	**3705**	**100%**	**100%**					
7.5b	**Peripheral neuropathy - previous**									
		Yes	671	18.1%	19.0%					
		No	2869	77.4%	81.0%					
		Missing	165	4.5%						
		Sum	**3705**	**100%**	**100%**					
7.6a	**Foot ulceration - last 12 months**									
		Yes	262	7.1%	7.2%					
		No	3382	91.3%	92.8%					
		Missing	61	1.6%						
		Sum	**3705**	**100%**	**100%**					
7.6b	**Foot ulceration - previous**									
		Yes	285	7.7%	7.9%					
		No	3329	89.9%	92.1%					
		Missing	91	2.5%						
		Sum	**3705**	**100%**	**100%**					

**Relative % = % of the total excluding the missing values*

SECTION 7. DIABETES RELATED EYE & FOOT COMPLICATIONS (continued)

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
7.7a	**Lower limb amputation - last 12 months**									
		Yes	79	2.1%	2.2%					
		No	3557	96.0%	97.8%					
		Missing	69	1.9%						
		Sum	**3705**	**100%**	**100%**					
7.7.1a	**Minor lower limb amputation - last 12 months****									
		Yes	66	83.5%	83.5%					
		No	13	16.5%	16.5%					
		Missing	0	0.0%						
		Sum	**79**	**100%**	**100%**					
		*** of patients who reported lower limb amptutation in the last 12 months*								
7.7.1b	**Major lower limb amputation - last 12 months ****									
		Yes	13	16.5%	16.5%					
		No	66	83.5%	83.5%					
		Missing	0	0.0%						
		Sum	**79**	**100%**	**100%**					
		*** of patients who reported lower limb amptutation in the last 12 months*								
7.7b	**Lower limb amputation - previous**									
		Yes	127	3.4%	3.6%					
		No	3414	92.1%	96.4%					
		Missing	164	4.4%						
		Sum	**3705**	**100%**	**100%**					
7.7.2a	**Minor lower limb amputation - previous****									
		Yes	107	84.3%	84.3%					
		No	20	15.7%	15.7%					
		Missing	0	0.0%						
		Sum	**127**	**100%**	**100%**					
		*** of patients who reported lower limb amptutation previous to the last 12 months*								
7.7.2b	**Major lower limb amputation - previous****									
		Yes	24	18.9%	18.9%					
		No	103	81.1%	81.1%					
		Missing	0	0.0%						
		Sum	**127**	**100%**	**100%**					
		*** of patients who reported lower limb amptutation previous to the last 12 months*								

**Relative % = % of the total excluding the missing values*

SECTION 8. OTHER COMPLICATIONS/EVENTS/COMORBIDITIES

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
8.1a	Cerebral stroke - last 12 months									
		Yes	60	1.6%	1.6%					
		No	3587	96.8%	98.4%					
		Missing	58	1.6%						
		Sum	**3705**	**100%**	**100%**					
8.1b	Cerebral stroke - previous									
		Yes	207	5.6%	5.8%					
		No	3333	90.0%	94.2%					
		Missing	165	4.5%						
		Sum	**3705**	**100%**	**100%**					
8.2a	Myocardial infarction - last 12 months									
		Yes	97	2.6%	2.7%					
		No	3549	95.8%	97.3%					
		Missing	59	1.6%						
		Sum	**3705**	**100%**	**100%**					
8.2b	Myocardial infarction - previous									
		Yes	316	8.5%	8.9%					
		No	3222	87.0%	91.1%					
		Missing	167	4.5%						
		Sum	**3705**	**100%**	**100%**					
8.3a	CABG/Angioplasty - last 12 months									
		Yes	88	2.4%	2.4%					
		No	3562	96.1%	97.6%					
		Missing	55	1.5%						
		Sum	**3705**	**100%**	**100%**					
8.3b	CABG/Angioplasty - previous									
		Yes	353	9.5%	9.9%					
		No	3225	87.0%	90.1%					
		Missing	127	3.4%						
		Sum	**3705**	**100%**	**100%**					
8.4a	Congestive cardiac failure - last 12 months									
		Yes	48	1.3%	1.3%					
		No	3529	95.2%	98.7%					
		Missing	128	3.5%						
		Sum	**3705**	**100%**	**100%**					
8.4b	Congestive cardiac failure - previous									
		Yes	160	4.3%	4.5%					
		No	3377	91.1%	95.5%					
		Missing	168	4.5%						
		Sum	**3705**	**100%**	**100%**					
8.5a	Peripheral vascular disease - last 12 months									
		Yes	164	4.4%	4.5%					
		No	3480	93.9%	95.5%					
		Missing	61	1.6%						
		Sum	**3705**	**100%**	**100%**					
8.5b	Peripheral vascular disease - previous									
		Yes	248	6.7%	7.0%					
		No	3287	88.7%	93.0%					
		Missing	170	4.6%						
		Sum	**3705**	**100%**	**100%**					
8.6a	End stage kidney disease - last 12 months									
		Yes	44	1.2%	1.2%					
		No	3605	97.3%	98.8%					
		Missing	56	1.5%						
		Sum	**3705**	**100%**	**100%**					
8.6b	End stage kidney disease - previous									
		Yes	139	3.8%	3.9%					
		No	3400	91.8%	96.1%					
		Missing	166	4.5%						
		Sum	**3705**	**100%**	**100%**					

**Relative % = % of the total excluding the missing values*

SECTION 8. OTHER COMPLICATIONS/EVENTS/COMORBIDITIES (continued)

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
8.7a	**Sexual dysfunction - last 12 months**									
		Yes	230	6.2%	6.5%					
		No	3324	89.7%	93.5%					
		Missing	151	4.1%						
		Sum	**3705**	**100%**	**100%**					
8.7b	**Sexual dysfunction - previous**									
		Yes	341	9.2%	9.8%					
		No	3147	84.9%	90.2%					
		Missing	217	5.9%						
		Sum	**3705**	**100%**	**100%**					
8.8a	**Dementia - last 12 months**									
		Yes	23	0.6%	0.6%					
		No	3558	96.0%	99.4%					
		Missing	124	3.3%						
		Sum	**3705**	**100%**	**100%**					
8.8b	**Dementia - previous**									
		Yes	36	1.0%	1.0%					
		No	3539	95.5%	99.0%					
		Missing	130	3.5%						
		Sum	**3705**	**100%**	**100%**					
8.9a	**Depression - last 12 months**									
		Yes	295	8.0%	8.5%					
		No	3170	85.6%	91.5%					
		Missing	240	6.5%						
		Sum	**3705**	**100%**	**100%**					
8.9b	**Depression - previous**									
		Yes	755	20.4%	22.0%					
		No	2670	72.1%	78.0%					
		Missing	280	7.6%						
		Sum	**3705**	**100%**	**100%**					
8.10a	**Anxiety - last 12 months**									
		Yes	303	8.2%	8.7%					
		No	3163	85.4%	91.3%					
		Missing	239	6.5%						
		Sum	**3705**	**100%**	**100%**					
8.10b	**Anxiety - previous**									
		Yes	633	17.1%	18.5%					
		No	2792	75.4%	81.5%					
		Missing	280	7.6%						
		Sum	**3705**	**100%**	**100%**					
8.11a	**Malignancy - last 12 months**									
		Yes	127	3.4%	3.5%					
		No	3475	93.8%	96.5%					
		Missing	103	2.8%						
		Sum	**3705**	**100%**	**100%**					
8.11b	**Malignancy - previous**									
		Yes	283	7.6%	8.2%					
		No	3180	85.8%	91.8%					
		Missing	242	6.5%						
		Sum	**3705**	**100%**	**100%**					
8.12a	**Diabetic ketoacidosis - last 12 months**									
		Yes	114	3.1%	3.3%					
		No	3365	90.8%	96.7%					
		Missing	226	6.1%						
		Sum	**3705**	**100%**	**100%**					
8.12b	**Diabetic ketoacidosis - previous**									
		Yes	357	9.6%	10.3%					
		No	3118	84.2%	89.7%					
		Missing	230	6.2%						
		Sum	**3705**	**100%**	**100%**					

**Relative % = % of the total excluding the missing values*

SECTION 8. OTHER COMPLICATIONS/EVENTS/COMORBIDITIES (continued)

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
8.13a	**Hyperosmolar hyperglycaemic state - last 12 months**									
		Yes	23	0.6%	0.7%					
		No	3454	93.2%	99.3%					
		Missing	228	6.2%						
		Sum	**3705**	**100%**	**100%**					
8.13b	**Hyperosmolar hyperglycaemic state - previous**									
		Yes	21	0.6%	0.6%					
		No	3442	92.9%	99.4%					
		Missing	242	6.5%						
		Sum	**3705**	**100%**	**100%**					
8.14a	**Impaired awareness of hypoglycaemia - last 12 months**									
		Yes	166	4.5%	4.8%					
		No	3296	89.0%	95.2%					
		Missing	243	6.6%						
		Sum	**3705**	**100%**	**100%**					
8.14b	**Impaired awareness of hypoglycaemia - previous**									
		Yes	156	4.2%	4.6%					
		No	3269	88.2%	95.4%					
		Missing	280	7.6%						
		Sum	**3705**	**100%**	**100%**					
8.15a	**Severe hypoglycaemia - last 12 months**									
		Yes	151	4.1%	4.3%					
		No	3395	91.6%	95.7%					
		Missing	159	4.3%						
		Sum	**3705**	**100%**	**100%**					
8.15.1	**Number of episodes****									
		1-2 episodes	89	58.9%	60.1%					
		3-5 episodes	37	24.5%	25.0%					
		>5 episodes	22	14.6%	14.9%					
		Missing	3	2.0%						
		Sum	**151**	**100%**	**100%**					
	***Of patients who reported severe hypoglycaemia in the last 12 months*									
8.15b	**Severe hypoglycaemia - previous**									
		Yes	257	6.9%	7.5%					
		No	3180	85.8%	92.5%					
		Missing	268	7.2%						
		Sum	**3705**	**100%**	**100%**					
8.16	**Liver disease**									
		Mild	411	11.1%	11.6%					
		Moderate/severe	109	2.9%	3.1%					
		Not applicable	3031	81.8%	85.4%					
		Missing	154	4.2%						
		Sum	**3705**	**100%**	**100%**					

**Relative % = % of the total excluding the missing values*

SECTION 8. OTHER COMPLICATIONS/EVENTS/COMORBIDITIES (continued)

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
8.17a	**COVID-19 - last 12 months**									
		Yes	287	7.7%	8.6%					
		No	3056	82.5%	91.4%					
		Missing	362	9.8%						
		Sum	**3705**	**100%**	**100%**					
8.17.1	**COVID-19 hospital admission - last 12 months****									
		Yes	28	9.8%	9.8%					
		No	257	89.5%	90.2%					
		Missing	2	0.7%						
		Sum	**287**	**100%**	**100%**					
	***Of patients who reported yes to COVID-19 in the last 12 months*									
8.17b	**COVID-19 - previous**									
		Yes	1444	39.0%	43.2%					
		No	1897	51.2%	56.8%					
		Missing	364	9.8%						
		Sum	**3705**	**100%**	**100%**					
8.17.2	**COVID-19 hospital admission - previous****									
		Yes	87	6.0%	6.1%					
		No	1345	93.1%	93.9%					
		Missing	12	0.8%						
		Sum	**1444**	**100%**	**100%**					
	***Of patients who reported yes to COVID-19 prior to the last 12 months*									

SECTION 9. MENTAL HEALTH SCREENING

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
9.1	**Screened for diabetes distress**									
		Yes	280	7.6%	8.1%					
		No	3183	85.9%	91.9%					
		Missing	242	6.5%						
		Sum	**3705**	**100%**	**100%**					
9.2	**Screened for depression**									
		Yes	259	7.6%	8.2%					
		No	2908	85.3%	91.8%					
		Missing	243	7.1%						
		Sum	**3410**	**100%**	**100%**					
9.3	**Screened for anxiety**									
		Yes	197	5.8%	6.2%					
		No	2964	87.1%	93.8%					
		Missing	241	7.1%						
		Sum	**3402**	**100%**	**100%**					

**Relative % = % of the total excluding the missing values*

PATIENT HEALTH & WELL-BEING QUESTIONNAIRE

SECTION 1. SMOKING & VACCINATION STATUS

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
Q1.1	**Smoking status - current**									
		Current smokers	400	10.8%	14.3%					
		Past smokers	856	23.1%	30.7%					
		Never smoked	1534	41.4%	55.0%					
		Missing	915	24.7%						
		Sum	**3705**	**100%**	**100%**					
Q1.2	**COVID-19 vaccination in the last 6 months**									
		Yes	622	16.8%	21.7%					
		No	2247	60.6%	78.3%					
		Missing	836	22.6%						
		Sum	**3705**	**100%**	**100%**					
Q1.3	**Influenza vaccination in the last 12 months**									
		Yes	1693	45.7%	59.0%					
		No	1178	31.8%	41.0%					
		Missing	834	22.5%						
		Sum	**3705**	**100%**	**100%**					
Q1.4	**Pneumococcal vaccination is up to date**									
		Yes	565	15.2%	19.8%					
		No	929	25.1%	32.5%					
		Unsure	1364	31.8%	47.7%					
		Missing	847	22.9%						
		Sum	**3705**	**95%**	**100%**					

**Relative % = % of the total excluding the missing values*

SECTION 2. HEALTH PROFESSIONAL ATTENDANCES (LAST 12 MONTHS)

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
Q2.1	**Attended endocrinologist**									
		Yes	2083	56.2%	72.9%					
		No	774	20.9%	27.1%					
		Missing	848	22.9%						
		Sum	**3705**	**100%**	**100%**					
Q2.2	**Attended diabetes educator/nurse practitioner**									
		Yes	2079	56.1%	72.4%					
		No	791	21.3%	27.6%					
		Missing	835	22.5%						
		Sum	**3705**	**100%**	**100%**					
Q2.3	**Attended dietitian**									
		Yes	1119	30.2%	39.0%					
		No	1752	47.3%	61.0%					
		Missing	834	22.5%						
		Sum	**3705**	**100%**	**100%**					
Q2.4	**Attended podiatrist**									
		Yes	1495	40.4%	52.1%					
		No	1376	37.1%	47.9%					
		Missing	834	22.5%						
		Sum	**3705**	**100%**	**100%**					
Q2.5	**Attended ophthalmologist**									
		Yes	984	26.6%	34.4%					
		No	1878	50.7%	65.6%					
		Missing	843	22.8%						
		Sum	**3705**	**100%**	**100%**					
Q2.6	**Attended optometrist**									
		Yes	2090	56.4%	72.9%					
		No	776	20.9%	27.1%					
		Missing	839	22.6%						
		Sum	**3705**	**100%**	**100%**					
Q2.7	**Attended psychologist/psychiatrist**									
		Yes	489	13.2%	17.0%					
		No	2380	64.2%	83.0%					

		Missing	836	22.6%						
		Sum	**3705**	**100%**	**100%**					
Q2.8	**Attended social worker**									
		Yes	238	6.4%	8.3%					
		No	2633	71.1%	91.7%					
		Missing	834	22.5%						
		Sum	**3705**	**100%**	**100%**					
Q2.9	**Attended dentist**									
		Yes	1406	37.9%	49.0%					
		No	1465	39.5%	51.0%					
		Missing	834	22.5%						
		Sum	**3705**	**100%**	**100%**					
Q2.10	**Attended physiologist/physiotherapist**									
		Yes	676	18.2%	23.5%					
		No	2200	59.4%	76.5%					
		Missing	829	22.4%						
		Sum	**3705**	**100%**	**100%**					
Q2.11	**Needed an ambulance**									
		Yes	222	6.0%	7.7%					
		No	2650	71.5%	92.3%					
		Missing	833	22.5%						
		Sum	**3705**	**100%**	**100%**					
Q2.12	**Attended the emergency department**									
		Yes	389	10.5%	13.5%					
		No	2483	67.0%	86.5%					
		Missing	833	22.5%						
		Sum	**3705**	**100%**	**100%**					

SECTION 3. MEDICATION USE

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
Q3.1	**Ever forget to take medications in the last 2 weeks**									
		Yes	538	14.5%	18.8%					
		No	2331	62.9%	81.2%					
		Missing	836	22.6%						
		Sum	**3705**	**100%**	**100%**					
Q3.1.1	**Number of times in the last 2 weeks****									
		Number of times per week provided	503	93.5%	100.0%	3.0	3.8	3.7	0.0	28.0
		Missing	35	6.5%						
		Sum	**538**	**100%**	**100%**					

***Of patients who forgot to take medications*

SECTION 4. FOOT CARE

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
Q4.1	**Feet checked by a health professional in the last 12 months**									
		Yes	1695	45.7%	59.2%					
		No	1170	31.6%	40.8%					
		Missing	840	22.7%						
		Sum	**3705**	**100%**	**100%**					
Q4.2	**Self feet check**									
		Daily	1104	29.8%	39.2%					
		Weekly	714	19.3%	25.4%					
		Monthly	304	8.2%	10.8%					
		Rarely/Never	691	18.7%	24.6%					
		Missing	892	24.1%						
		Sum	**3705**	**100%**	**100%**					

**Relative % = % of the total excluding the missing values*

SECTION 5. NUTRITION/DIET MANAGEMENT

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
Q5.1	**Know what foods are best to eat**									
		Yes	2637	71.2%	91.8%					
		No	235	6.3%	8.2%					
		Missing	833	22.5%						
		Sum	**3705**	**100%**	**100%**					
Q5.2	**Enough time to prepare healthy meals**									
		Yes	2371	64.0%	82.6%					
		No	498	13.4%	17.4%					
		Missing	836	22.6%						
		Sum	**3705**	**100%**	**100%**					
Q5.3	**Costs too much to eat healthy meals**									
		Yes	1212	32.7%	42.2%					
		No	1657	44.7%	57.8%					
		Missing	836	22.6%						
		Sum	**3705**	**100%**	**100%**					
Q5.4	**(T1DM) Hard to count carbs/weigh food**									
		Yes	412	32.3%	40.2%					
		No	612	48.0%	59.8%					
		Missing	250	19.6%						
		Sum	**1274**	**100%**	**100%**					

SECTION 6. PHYSICAL ACTIVITY

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
Q6.1	**Moderate or vigorous intensity physical activity**									
		150 mins/week or more	1120	30.2%	39.1%					
		Less than 150 mins/week	853	23.0%	29.8%					
		Rarely/never	891	24.0%	31.1%					
		Missing	841	22.7%						
		Sum	**3705**	**100%**	**100%**					
Q6.2	**Muscle strengthening**									
		Yes	1250	33.7%	43.8%					
		No	1602	43.2%	56.2%					
		Missing	853	23.0%						
		Sum	**3705**	**100%**	**100%**					

**Relative % = % of the total excluding the missing values*

MISSING DATA

MISSING DATA

TABLE 1. OVERALL MISSING DATA

	Amount of missing data in variables					
	0-5%	6-10%	11-15%	16-20%	21-40%	>40%
Proportion of variables with missing data*	51.9	22.9	2.3	1.5	19.1	2.3

**Relates to the proportion of variables/fields according to the amount of missing data in each variable, e.g. 51.9% of variables had 5% or less of missing data.*

TABLE 2. MISSING DATA (CLINICAL DATA COLLECTION FORM) BY FIELD AND DATA COLLECTION METHOD

Item no.	Clinical Parameters	All (n=3705)		Paper-based (n=1044)		REDCap (n=2359)		Data extraction (n=274)	
		n	%	n	%	n	%	n	%
Patient Demographics									
1	Consultation method	146	**3.9**	6	**0.6**	0	**0.0**	140	**51.1**
1.1	Date of birth	0	**0.0**	0	**0.0**	0	**0.0**	0	**0.0**
1.2	Sex	0	**0.0**	0	**0.0**	0	**0.0**	0	**0.0**
1.2.1	Currently pregnant (females aged 18-55 yrs)	19	**2.9**	1	**0.6**	0	**0.0**	18	**41.9**
1.3	Date of visit	0	**0.0**	0	**0.0**	0	**0.0**	0	**0.0**
1.4	NDSS registrant	181	**4.9**	14	**1.3**	1	**0.0**	166	**60.6**
1.5	Aboriginal/Torres Strait Islander	77	**2.1**	3	**0.3**	1	**0.0**	73	**26.6**
1.6	Initial visit	135	**3.6**	13	**1.2**	0	**0.0**	122	**44.5**
1.7	Interpreter required	265	**7.2**	0	**0.0**	1	**0.0**	264	**96.4**
1.8	Main language spoken at home	282	**7.6**	0	**0.0**	9	**0.4**	273	**99.6**
1.9	DVA	181	**4.9**	7	**0.7**	1	**0.0**	173	**63.1**
1.10	Country of birth	168	**4.5**	1	**0.1**	2	**0.1**	165	**60.2**
1.11	Residential postcode	129	**3.5**	1	**0.1**	1	**0.0**	127	**46.4**
Diabetes Type & Management									
2.1	Date of diagnosis	82	**2.2**	9	**0.9**	0	**0.0**	73	**26.6**
2.2	Type of diabetes	0	**0.0**	0	**0.0**	0	**0.0**	0	**0.0**
2.3	Blood glucose monitoring	112	**3.0**	3	**0.3**	0	**0.0**	109	**39.8**
2.3.1	Finger prick - check as often as recommended	95	**2.6**	13	**1.2**	0	**0.0**	82	**29.9**
2.3.2	Finger prick - Number of times a day	130	**3.5**	32	**3.1**	16	**0.7**	82	**29.9**

2.3.3	Was the sensor worn for ?14 days in the last 3 months?	69	**1.9**	4	**0.4**	0	**0.0**	65	**23.7**
2.3.3.1	If YES, percentage of time sensor was active	15	**0.4**	13	**1.2**	2	**0.1**	0	**0.0**
2.4	Management method	24	**0.6**	0	**0.0**	0	**0.0**	24	**8.8**
2.4.1	Insulin duration	198	**7.4**	52	**7.3**	5	**0.3**	141	**83.9**
2.4.2	Insulin mode	20	**0.8**	4	**0.6**	2	**0.1**	14	**8.3**
Weight & Height									
3.1	Weight	113	**3.0**	52	**5.0**	9	**0.4**	52	**19.0**
3.2	Height	154	**4.2**	45	**4.3**	37	**1.6**	72	**26.3**
Blood Pressure									
4.1	Blood pressure	204	**5.5**	100	**9.6**	47	**2.0**	57	**20.8**
4.1.1	Measured in clinic or self-reported	207	**5.6**	17	**1.8**	1	**0.0**	189	**87.1**
4.2	Anti-hypertensive treatment	63	**1.7**	18	**1.7**	1	**0.0**	44	**16.1**
4.2.1	Anti-hypertensive medications	0	**0.0**	0	**0.0**	0	**0.0**	0	**0.0**
Blood glucose control and renal function									
5.1	HbA1c	186	**5.0**	36	**3.4**	107	**4.5**	43	**15.7**
5.1.1	HbA1c - Test date	1433	**40.7**	407	**40.4**	857	**38.1**	160	**69.3**
5.2	eGFR	383	**10.3**	88	**8.4**	206	**8.7**	88	**32.1**
5.3	Serum creatinine	568	**15.3**	118	**11.3**	400	**17.0**	49	**17.9**
5.4a	Urinary albumin result	1580	**42.6**	415	**39.8**	983	**41.7**	179	**65.3**
5.4b	Urinary protein result	3255	**87.9**	940	**90.0**	2072	**87.8**	240	**87.6**
Medications and lipids									
6.1	Aspirin	52	**1.4**	4	**0.4**	1	**0.0**	47	**17.2**
6.2	Other anti-platelets	53	**1.4**	5	**0.5**	1	**0.0**	47	**17.2**
6.3	Anti-coagulants	55	**1.5**	5	**0.5**	1	**0.0**	49	**17.9**
6.4	On lipid modifying therapy	42	**1.1**	4	**0.6**	1	**0.1**	37	**22.0**
6.4.1	On lipid modifying therapy - Statin	1	**0.0**	0	**0.0**	0	**0.0**	1	**0.6**
6.4.2	On lipid modifying therapy - Fibrate	1	**0.0**	0	**0.0**	0	**0.0**	1	**0.6**
6.4.3	On lipid modifying therapy - Ezetimibe	1	**0.0**	0	**0.0**	0	**0.0**	1	**0.6**

6.4.4	On lipid modifying therapy - Fish oil	1	**0.0**	0	**0.0**	0	**0.0**	1	**0.6**
6.4.5	On lipid modifying therapy - PCSK9 inhibitor	2	**0.1**	0	**0.0**	0	**0.0**	2	**1.2**
6.5	Lipids measured	33	**0.9**	4	**0.4**	0	**0.0**	29	**10.6**
6.5.1	Lipids measured - Total cholesterol	24	**0.9**	5	**0.6**	16	**1.0**	3	**1.4**
6.5.2	Lipids measured - LDL cholesterol	312	**11.5**	62	**7.6**	215	**13.0**	34	**16.2**
6.5.3	Lipids measured - HDL cholesterol	273	**10.1**	55	**6.7**	188	**11.3**	30	**14.3**
6.5.4	Lipids measured - Triglycerides	201	**7.4**	52	**6.3**	139	**8.4**	10	**4.8**
Diabetes Related Eye & Foot Complications									
7.1a	Retinopathy - last 12 months	182	**4.9**	1	**0.1**	1	**0.0**	180	**65.7**
7.1b	Retinopathy - previous	168	**4.5**	4	**0.4**	1	**0.0**	163	**59.5**
7.2a	Treatment for retinopathy - last 12 months	131	**3.5**	1	**0.1**	1	**0.0**	129	**47.1**
7.2b	Treatment for retinopathy - previous	280	**7.6**	5	**0.5**	1	**0.0**	274	**100.0**
7.3a	Cataract - last 12 months	116	**3.1**	3	**0.3**	1	**0.0**	112	**40.9**
7.3b	Cataract - previous	279	**7.5**	3	**0.3**	2	**0.1**	274	**100.0**
7.4a	Blindness - last 12 months	277	**7.5**	3	**0.3**	0	**0.0**	274	**100.0**
7.4b	Blindness - previous	280	**7.6**	6	**0.6**	0	**0.0**	274	**100.0**
7.5a	Peripheral neuropathy - last 12 months	61	**1.6**	1	**0.1**	0	**0.0**	60	**21.9**
7.5b	Peripheral neuropathy - previous	165	**4.5**	4	**0.4**	0	**0.0**	161	**58.8**
7.6a	Foot ulceration - last 12 months	61	**1.6**	2	**0.2**	0	**0.0**	59	**21.5**
7.6b	Foot ulceration - previous	91	**2.5**	5	**0.5**	0	**0.0**	86	**31.4**
7.7a	Lower limb amputation - last 12 months	69	**1.9**	1	**0.1**	0	**0.0**	68	**24.8**
7.7.1	Minor/major - last 12 months	1	**1.3**	1	**4.2**	0	**0.0**	0	**0.0**
7.7b	Lower limb amputation - previous	164	**4.4**	5	**0.5**	0	**0.0**	159	**58.0**
7.7.2	Minor/major - previous	0	**0.0**	0	**0.0**	0	**0.0**	0	**0.0**
Complications/Events/Comorbidities									

8.1a	Cerebral stroke - last 12 months	58	**1.6**	1	**0.1**	1	**0.0**	56	**20.4**
8.1b	Cerebral stroke - previous	165	**4.5**	4	**0.4**	1	**0.0**	160	**58.4**
8.2a	Myocardial infarction - last 12 months	59	**1.6**	1	**0.1**	1	**0.0**	57	**20.8**
8.2b	Myocardial infarction - previous	167	**4.5**	5	**0.5**	1	**0.0**	161	**58.8**
8.3a	CABG/Angioplasty - last 12 months	55	**1.5**	1	**0.1**	1	**0.0**	53	**19.3**
8.3b	CABG/Angioplasty - previous	127	**3.4**	5	**0.5**	1	**0.0**	121	**44.2**
8.4a	Congestive cardiac failure - last 12 months	128	**3.5**	1	**0.1**	1	**0.0**	126	**46.0**
8.4b	Congestive cardiac failure - previous	168	**4.5**	6	**0.6**	1	**0.0**	161	**58.8**
8.5a	Peripheral vascular disease - last 12 months	61	**1.6**	2	**0.2**	1	**0.0**	58	**21.2**
8.5b	Peripheral vascular disease - previous	170	**4.6**	8	**0.8**	1	**0.0**	161	**58.8**
8.6a	End stage renal disease - last 12 months	56	**1.5**	1	**0.1**	1	**0.0**	54	**19.7**
8.6b	End stage renal disease - previous	166	**4.5**	6	**0.6**	1	**0.0**	159	**58.0**
8.7a	Sexual dysfunction - last 12 months	151	**4.1**	38	**3.6**	1	**0.0**	112	**40.9**
8.7b	Sexual dysfunction - previous	217	**5.9**	38	**3.6**	1	**0.0**	178	**65.0**
8.8a	Dementia - last 12 months	124	**3.3**	1	**0.1**	1	**0.0**	122	**44.5**
8.8b	Dementia - previous	130	**3.5**	6	**0.6**	1	**0.0**	123	**44.9**
8.9a	Depression - last 12 months	240	**6.5**	3	**0.3**	1	**0.0**	236	**86.1**
8.9b	Depression - previous	280	**7.6**	5	**0.5**	1	**0.0**	274	**100.0**
8.10a	Anxiety - last 12 months	239	**6.5**	1	**0.1**	2	**0.1**	236	**86.1**
8.10b	Anxiety - previous	280	**7.6**	4	**0.4**	2	**0.1**	274	**100.0**
8.11a	Malignancy - last 12 months	103	**2.8**	2	**0.2**	1	**0.0**	100	**36.5**
8.11b	Malignancy - previous	242	**6.5**	6	**0.6**	1	**0.0**	235	**85.8**
8.12a	Diabetic ketoacidosis - last 12 months	226	**6.1**	4	**0.4**	1	**0.0**	221	**80.7**
8.12b	Diabetic ketoacidosis - previous	230	**6.2**	7	**0.7**	1	**0.0**	222	**81.0**

8.13a	Hyperosmolar hyperglycaemic state - last 12 months	228	**6.2**	6	**0.6**	1	**0.0**	221	**80.7**
8.13b	Hyperosmolar hyperglycaemic state - previous	242	**6.5**	6	**0.6**	1	**0.0**	235	**85.8**
8.14a	Impaired awareness of hypoglycaemia - last 12 months	243	**6.6**	4	**0.4**	0	**0.0**	239	**87.2**
8.14b	Impaired awareness of hypoglycaemia - previous	280	**7.6**	6	**0.6**	0	**0.0**	274	**100.0**
8.15a	Severe hypoglycaemic state - last 12 months	159	**4.3**	7	**0.7**	1	**0.0**	151	**55.1**
8.15.1	Severe hypoglycaemic state episodes - last 12 months	3	**2.0**	3	**6.3**	0	**0.0**	0	**0.0**
8.15b	Severe hypoglycaemic state - previous	268	**7.2**	7	**0.7**	1	**0.0**	260	**94.9**
8.16	Liver disease	154	**4.2**	23	**2.2**	3	**0.1**	128	**46.7**
8.17a	COVID-19 - last 12 months	362	**9.8**	77	**7.4**	11	**0.5**	274	**100.0**
8.17.1	COVID-19 hospitalisation- last 12 months	2	**0.7**	2	**2.4**	0	**0.0**	0	**0.0**
8.17b	COVID-19 - previous	364	**9.8**	78	**7.5**	12	**0.5**	274	**100.0**
8.17.2	COVID-19 hospitalisation - previous	12	**0.8**	11	**2.5**	1	**0.1**	0	**0.0**
Mental Health Screening									
9.1	Screened for diabetes distress	242	**6.5**	6	**0.6**	1	**0.0**	235	**85.8**
9.2	Screened for depression	243	**7.1**	7	**0.7**	1	**0.0**	235	**85.8**
9.3	Screened for anxiety	241	**7.1**	5	**0.5**	1	**0.0**	235	**87.0**
PATIENT HEALTH & WELL BEING QUESTIONNAIRE									
Smoking & Vaccination Status									
1.1	Currently smoke tobacco	794	**21.4**	137	**13.1**	587	**24.9**	70	**25.5**
1.1.1	Previously smoked tobacco (of patients who don't currently smoke)	121	**30.3**	77	**9.9**	30	**2.0**	14	**7.4**
1.2	COVID-19 vaccination in the last 6 months	836	**22.6**	122	**11.7**	583	**24.7**	131	**47.8**
1.3	Flu (influenza) vaccination in the last 12 months	834	**22.5**	123	**11.8**	581	**24.6**	130	**47.4**

1.4	Pneumococcal vaccination up-to-date	847	**22.9**	133	**12.7**	583	**24.7**	131	**47.8**
Health Professional Attendances									
2.1	Endocrinologist	848	**22.9**	125	**12.0**	586	**24.8**	137	**50.0**
2.2	Diabetes Educator/Nurse Practitioner	835	**22.5**	120	**11.5**	585	**24.8**	130	**47.4**
2.3	Dietitian	834	**22.5**	121	**11.6**	582	**24.7**	131	**47.8**
2.4	Podiatrist	834	**22.5**	120	**11.5**	582	**24.7**	132	**48.2**
2.5	Ophthalmologist	843	**22.8**	126	**12.1**	585	**24.8**	132	**48.2**
2.6	Optometrist	839	**22.6**	125	**12.0**	584	**24.8**	130	**47.4**
2.7	Psychologist/Psychiatrist	836	**22.6**	121	**11.6**	583	**24.7**	132	**48.2**
2.8	Social Worker	834	**22.5**	121	**11.6**	582	**24.7**	131	**47.8**
2.9	Dentist	834	**22.5**	121	**11.6**	581	**24.6**	132	**48.2**
2.10	Exercise Physiologist/Physiotherapist	829	**22.4**	117	**11.2**	582	**24.7**	130	**47.4**
2.11	Needed an Ambulance for diabetes	833	**22.5**	121	**11.6**	581	**24.6**	131	**47.8**
2.12	Attended the Emergency Department for diabetes	833	**22.5**	120	**11.5**	583	**24.7**	130	**47.4**
Medication Use									
3.1	Not taken medications as recommended (last 2 weeks)	836	**22.6**	121	**11.6**	583	**24.7**	132	**48.2**
3.1.1	Number of times per week	34	**6.3**	19	**10.9**	10	**3.0**	5	**25.0**
Foot Care									
4.1	Feet checked by health professional	840	**22.7**	124	**11.9**	584	**24.8**	132	**48.2**
4.2	Self-foot check	892	**24.1**	162	**15.5**	595	**25.2**	135	**49.3**
Nutrition/Diet Management									
5.1	(Adapted) Don't know what goods are best to eat	833	**22.5**	122	**11.7**	581	**24.6**	130	**47.4**
5.2	(Adapted) Insufficient time to prepare healthy meals	836	**22.6**	125	**12.0**	581	**24.6**	130	**47.4**
5.3	Too costly to eat well	836	**22.6**	123	**11.8**	581	**24.6**	132	**48.2**
5.4	(T1DM) Too hard to count carbs/weigh food	250	**19.6**	45	**13.8**	173	**20.1**	32	**41.0**
Physical Activity									

6.1	Moderate/vigorous intensity physical activity	841	**22.7**	124	**11.9**	583	**24.7**	134	**48.9**
6.2	Muscle strengthening exercise	853	**23.0**	130	**12.5**	586	**24.8**	137	**50.0**

POST DATA COLLECTION QUESTIONNAIRE RESULTS

POST DATA COLLECTON QUESTIONNAIRE RESULTS

Following the conclusion of the data collection period, a post data collection questionnaire was distributed to all participating sites. A total of 47 responses were received, noting that responses may reflect multiple staff members from the same site rather than individual site-level responses.

More than half of respondents were from Centre of Excellence/Tertiary care 59.6%, and 40.4% were from Primary and Secondary care centres.

Over half of respondents (53.2%) indicated that earlier access to data collection materials and REDCap setup would enable an earlier start to data collection, while nearly one-third (29.8%) highlighted the need for earlier confirmation of data collection timelines. The remaining respondents provided open-text responses citing factors that may limit earlier startup, including staffing constraints, funding, and site-specific limitations.

When asked which ADCQR resources were used most often, respondents commonly selected multiple tools. The most frequently used resources were data definitions (44.7%), direct support from ADCQR staff (42.6%), and the ADCQR Protocol (40.4%). Training webinars hosted at the start of the data collection period were used by 25.5% of respondents, typically in combination with other resources. Overall, responses indicate that sites relied on a combination of written reference materials and direct support to navigate data collection requirements, particularly for complex or nuanced data items.

Table 4 presents post data collection questionnaire results stratified by data collection method for paper-based (n=19) and REDCap (n=27) respondents. While data extraction site responses are included in the overall results (n=47), the low number of responses from this method did not permit meaningful separate analysis and are therefore not presented as a distinct category.

Overall respondents reported moderate to high satisfaction across all assessed questionnaire categories, with mean scores ranging from 3.6–4.0 out of 5.

Sites using REDCap consistently reported slightly higher satisfaction than those using paper-based data collection, particularly in relation to form layout, ease of completion, and onboarding support. Ease of form completion received the lowest mean rating, which was consistent with reported completion times, with nearly half of respondents indicating that data entry required between 16 and 30 minutes.

TABLE 4. POST DATA COLLECTION QUESTIONNAIRE RESULTS BY DATA COLLECTION METHOD

Questionnaire category	Likert Scale: 1 = Poor, 3 = Midpoint, 5 = Good (Mean + SD)		
	All (n=47)	Paper-based (n=19)	REDCap (n=27)
Data definitions document	**4.0 ± 0.8**	3.9 ± 1.0	4.0 ± 0.7
Format (layout of data items)	**3.8 ± 0.9**	3.6 ± 1.0	4.0 ± 0.8
Ease of form completion	**3.6 ± 0.9**	3.4 ± 1.0	3.7 ± 0.8
REDCap training webinar	**3.9 ± 0.7**	3.8 ± 0.8	3.9 ± 0.7
Site onboarding webinar	**3.9 ± 0.8**	3.8 ± 1.0	4.0 ± 0.6
Time to complete the form			
Less than 10 minutes	**NA**	10.5%	22.2%
10 - 15 minutes		31.6%	40.7%
16 – 20 minutes		36.8%	25.9%
21 - 30 minutes		10.5%	7.4%
More than 30 minutes		10.5%	3.7%

ADCQR COMMITTEES

ADCQR COMMITTEES

ADCQR Scientific Advisory Committee Membership

Member name	Role title and organisation	Contribution
Professor Sophia Zoungas (Chair)	Head, School of Public Health and Preventive Medicine, Monash University and Clinical Endocrinologist, Alfred Health and Monash Health, Melbourne [VIC]	Registry Lead and Data Custodian
Associate Professor Sofianos Andikopoulos	Chief Executive Officer, Australian Diabetes Society [NSW]	National Peak Body Representative
Associate Professor Wendy Davis	Epidemiologist and Applied Biostatistician, The University of Western Australia [WA]	Data/Science Expert
Dr Gary Deed	General Practitioner and Medical Director, Mediwell Medical Clinic [QLD]	Primary Health Sector Representative
Mr Trevor Jones	Person living with Type 2 Diabetes [WA]	Consumer Representative
Dr Konrad Kangru	General Practitioner, Whitsunday Doctors Service [QLD]	Primary Health Sector Representative
Associate Professor Margaret McGill AM	Assistant Director, Royal Prince Alfred Hospital Diabetes Centre [NSW]	Clinical Representative
Mr Paul Moger	Group Executive, Strategy and Government Affairs, Diabetes Australia [ACT]	National Peak Body Representative
Associate Professor Odette Pearson	Co-Lead Aboriginal Health Equity Theme, South Australian Health & Medical Research Institute [SA]	Aboriginal and Torres Strait Islander Representative and Data/Science Expert
Ms Megan Phelan	Policy Officer, Clinical Quality Registry Section, Health Modelling, Partnerships and Evaluation Branch, Health Economics and Research Division, Australian	Australian Government Department of Health and Aged Care Representative

	Government Department of Health and Aged Care [ACT]	
Dr Elaine Pretorius	Director Medical Services, Illawarra Hospital Group, Illawarra Shoalhaven Local Health District [NSW]	Clinical Representative
Ms Sally Rayner	Policy Officer, Clinical Quality Registry Section, Health Modelling, Partnerships and Evaluation Branch, Health Economics and Research Division, Australian Government Department of Health and Aged Care [ACT]	Australian Government Department of Health and Aged Care Representative
Professor Jane Speight	Chair, Behavioural and Social Research in Diabetes and Foundation Director, The Australian Centre for Behavioural Research in Diabetes [VIC]	Data/Science Expert
Ms Natalie Wischer OAM	Chief Executive Officer, National Association of Diabetes Centres [VIC]	National Peak Body Representative
Associate Professor Anthony Zimmermann	Head of Diabetes and Endocrine Services, Northern Adelaide Local Health Network [SA]	Clinical Representative

ADCQR Project Executive

Name	Role
Professor Sophia Zoungas	Registry Lead
Ms Dimitra Giannopoulos	Project Manager
Professor Susannah Ahern	Technical Advisor
Professor Arul Earnest	Senior Biostatistician
Dr Ella Zomer	Research Lead
Dr Ahmad Reza Pourghaderi	Senior Data Scientist
Dr Hossein Nejati	Senior Data Manager/Analyst
Ms Mahima Choudhary	Senior Project Officer

APPENDICES

17942

Australian Diabetes Clinical Quality Registry
ADCQR Clinical Data Collection Form

SITE STAFF FORM

Patient ID | **Site ID** | **Staff Initials (optional)**

How was the consultation conducted? ☐ In person ☐ Video ☐ Phone

Participant information sheet given ☐

Section 1. Patient Demographics

1.1 Date of birth (d d / m m / y y y y)

1.2 Sex ☐ Male ☐ Female ☐ Other → **1.2.1 Currently pregnant** ☐ Yes ☐ No

1.3 Date of visit (d d / m m / y y y y)

1.4 NDSS registrant ☐ Yes ☐ No

1.5 Aboriginal/Torres Strait Islander ☐ Yes ☐ No

1.6 Initial visit ☐ Yes ☐ No

1.7 Interpreter required ☐ Yes ☐ No

1.8 Main language spoken at home

1.9 DVA ☐ Yes ☐ No

1.10 Country of birth

1.11 Residential postcode

Section 2. Diabetes Type & Management

2.1 Date of diagnosis (m m / y y y y)

2.2 Type of diabetes ☐ Type 1 ☐ Type 2 ☐ Other (Secondary causes) ☐ Don't know

2.3 Self-monitoring of glucose *(Select all that apply)*

☐ None

☐ Finger pricking →

2.3.1 Does the patient check as often as recommended? ☐ Yes ☐ No ☐ Unsure of recommended frequency

2.3.2 How many times a day?

☐ Continuous Glucose Monitoring

☐ Flash Glucose Monitoring →

2.3.3 Was the sensor worn for ≥ 14 days in the last 3 months? ☐ Yes ☐ No

***if YES*, percentage of time sensor was active** ☐ <70% ☐ ≥70%

2.4 Glycaemic Management method *(Select all that apply)*

☐ Diet only ☐ Metformin ☐ SGLT2 inhibitor ☐ GLP1/GIP agonist

☐ DPP4 inhibitor ☐ Sulphonylurea ☐ Thiazolidinedione ☐ Acarbose

☐ Insulin → **2.4.1 Insulin duration** years months

2.4.2 Insulin mode *(Select all that apply)*

☐ Basal ☐ Pre-mixed insulin

☐ Basal bolus ☐ Pump → ☐ CSII Automated → ☐ Hybrid closed loop system

☐ CSII Non-automated

Section 3. Weight & Height *(Measured in clinic or self-reported)*

3.1 Weight . kg **3.2 Height** . m

Section 4. Blood Pressure

4.1 Blood pressure / mmHg → **4.1.1** Measured in clinic ☐ **OR** Self-reported ☐

4.2 Anti-hypertensive treatment ☐ Yes ☐ No

if YES → **4.2.1** *(Select all that apply)*

☐ ACE inhibitor ☐ Ca^{2+} channel blocker ☐ Beta blocker

☐ ARB ☐ Thiazides/Diuretics ☐ Other

Section 5. Blood Glucose Control & Renal Function *(Most recent in last 12 months)*

5.1 HbA1c Result . % **OR** ☐ Not tested **5.1.1 HbA1c test date** (m m / y y y y)

5.2 eGFR mL/min per $1.73m^2$ **OR** ☐ Not tested **5.3 Serum creatinine** µmol/L **OR** ☐ Not tested

5.4a Urinary albumin . ☐ mg/L ☐ ratio **OR** ☐ Not tested

5.4b Urinary protein . ☐ mg/L ☐ ratio **OR** ☐ Not tested

Section 6. Medications & Lipids

	Yes	No	Contraindicated
6.1 Aspirin	☐	☐	☐
6.2 Other anti-platelets	☐	☐	☐
6.3 Anti-coagulants	☐	☐	☐
6.4 Lipid modifying Rx	☐	☐	
if YES → 6.4.1 Statin	☐	☐	☐
6.4.2 Fibrate	☐	☐	☐
6.4.3 Ezetimibe	☐	☐	☐
6.4.4 Fish oil	☐	☐	☐
6.4.5 PCSK9 inhibitor	☐	☐	☐

	Yes	No
6.5 Lipids measured	☐	☐

if YES → Complete below:

		Not tested
6.5.1 Total Cholesterol	. mmol/L **OR**	☐
6.5.2 LDL	. mmol/L **OR**	☐
6.5.3 HDL	. mmol/L **OR**	☐
6.5.4 Triglycerides	. mmol/L **OR**	☐

PLEASE COMPLETE PAGE 2

Patient ID | | | | | | | | | | | | | | **Site ID** | | | | | |

Section 7. Diabetes Related Eye & Foot Complications

	Diagnosed in the last 12 months		Diagnosed previous to the last 12 months	
	Yes	No	Yes	No
7.1 Retinopathy	☐	☐	☐	☐
7.2 Treatment for retinopathy	☐	☐	☐	☐
7.3 Right or left cataract	☐	☐	☐	☐
7.4 Blindness	☐	☐	☐	☐
7.5 Peripheral neuropathy	☐	☐	☐	☐
7.6 Foot ulceration	☐	☐	☐	☐
7.7 Lower limb amputation	☐	☐	☐	☐
if YES (Select all that apply) → 7.7.1 ☐ Minor ☐ Major			7.7.2 ☐ Minor ☐ Major	

Section 8. Other Complications/Events/Comorbidities

	Diagnosed in the last 12 months		Diagnosed previous to the last 12 months	
	Yes	No	Yes	No
8.1 Cerebral stroke	☐	☐	☐	☐
8.2 Myocardial infarction	☐	☐	☐	☐
8.3 CABG/Angioplasty	☐	☐	☐	☐
8.4 Congestive cardiac failure	☐	☐	☐	☐
8.5 Peripheral vascular disease	☐	☐	☐	☐
8.6 End stage kidney disease	☐	☐	☐	☐
8.7 Sexual dysfunction	☐	☐	☐	☐
8.8 Dementia	☐	☐	☐	☐
8.9 Depression	☐	☐	☐	☐
8.10 Anxiety	☐	☐	☐	☐
8.11 Malignancy (exclude non-melanotic skin cancers)	☐	☐	☐	☐
8.12 Diabetic ketoacidosis	☐	☐	☐	☐
8.13 Hyperosmolar hyperglycaemic state	☐	☐	☐	☐
8.14 Impaired awareness of hypoglycaemia	☐	☐	☐	☐
8.15 Severe hypoglycaemia	☐	☐	☐	☐
if YES → 8.15.1 No. of episodes ☐ 1-2 ☐ 3-5 ☐ >5				

8.16 Liver disease ☐ Mild ☐ Moderate/Severe ☐ Not applicable

	Last 12 months		Previous to the last 12 months	
8.17 Has the patient tested positive to COVID-19?	☐ Yes	☐ No	☐ Yes	☐ No
if YES → 8.17.1 Was the patient hospitalised?	☐ Yes	☐ No	8.17.2 ☐ Yes	☐ No

Section 9. Mental Health Screening *(if not previously diagnosed)*

9.1 Has the patient been screened for diabetes distress in the last 12 months using a validated measure? *(e.g. PAID, DDS)*	☐ Yes	☐ No
9.2 Has the patient been screened for depression in the last 12 months using a validated measure? *(e.g. PHQ_9)*	☐ Yes	☐ No
9.3 Has the patient been screened for anxiety in the last 12 months using a validated measure? *(e.g. GAD-7)*	☐ Yes	☐ No

Please indicate whether the patient health and well-being questionnaire will be completed?

☐ **Yes** → Please complete the questionnaire on page 3.

☐ **No** → Thank you for completing the ADCQR data collection form.

PATIENT HEALTH & WELL-BEING QUESTIONNAIRE
Australian Diabetes Clinical Quality Registry

Patient ID | | | | | | | | | | | | | | **Site ID** | | | | | |

(OFFICE USE ONLY - Site staff to complete Patient ID)

Please answer all questions by marking the appropriate box **Cross box like this: X**

Section 1. Smoking & Vaccination Status

1.1 Do you currently smoke tobacco? ☐ Yes ☐ No → **1.1.1 *If NO*, did you previously smoke tobacco?** ☐ Yes ☐ No
[i.e. cigarettes/cigars/e-cigarettes(vaping)]

1.2 Have you had a COVID-19 vaccination in the last 6 months? ☐ Yes ☐ No

1.3 Have you had a flu (influenza) vaccination in the last 12 months? ☐ Yes ☐ No

1.4 Are you up to date with your pneumococcal vaccination? ☐ Yes ☐ No ☐ Unsure

Section 2. Health Professional Attendances

2.1 Have you seen an Endocrinologist in the last 12 months?	☐ Yes	☐ No
2.2 Have you seen a Diabetes Educator/Nurse Practitioner in the last 12 months?	☐ Yes	☐ No
2.3 Have you seen a Dietitian in the last 12 months?	☐ Yes	☐ No
2.4 Have you seen a Podiatrist in the last 12 months?	☐ Yes	☐ No
2.5 Have you seen an Ophthalmologist in the last 12 months?	☐ Yes	☐ No
2.6 Have you seen an Optometrist in the last 12 months?	☐ Yes	☐ No
2.7 Have you seen a Psychologist/Psychiatrist in the last 12 months?	☐ Yes	☐ No
2.8 Have you seen a Social Worker in the last 12 months?	☐ Yes	☐ No
2.9 Have you seen a Dentist in the last 12 months?	☐ Yes	☐ No
2.10 Have you seen an Exercise Physiologist/Physiotherapist in the last 12 months?	☐ Yes	☐ No
2.11 Have you needed an Ambulance for your diabetes in the last 12 months?	☐ Yes	☐ No
2.12 Have you attended the Emergency Department for your diabetes in the last 12 months?	☐ Yes	☐ No

Section 3. Medication Use

3.1 Sometimes people do not take their medications as recommended. Has this happened to you in the last 2 weeks? ☐ Yes ☐ No

3.1.1 → *If YES,* how many times? | |

Section 4. Foot Care

4.1 Have you had your feet checked by a health professional in the last 12 months? ☐ Yes ☐ No

4.2 How often do you self check your feet? ☐ Daily ☐ Weekly ☐ Monthly ☐ Rarely/Never

Section 5. Nutrition/Diet Management

5.1 Do you know what foods are best to eat?	☐ Yes	☐ No
5.2 Do you have enough time to prepare healthy meals?	☐ Yes	☐ No
5.3 Does it cost too much to eat healthy meals?	☐ Yes	☐ No
5.4 If you have type 1 diabetes - Do you find it hard to count carbs/weigh food?	☐ Yes	☐ No

Section 6. Physical Activity

6.1 How many minutes per week of moderate or vigorous intensity physical activity do you usually do?
(e.g. brisk walking, lawnmowing, swimming, or more vigorous activity such as jogging)

☐ 150 mins/week or more
☐ Less than 150 mins/week
☐ I rarely/never do moderate or vigorous physical activity

6.2 Do you do any muscle strengthening exercise in a usual week? ☐ Yes ☐ No
(e.g. lifting weights or household tasks that involve lifting, carrying or digging)

THANK YOU FOR COMPLETING THE QUESTIONNAIRE.
PLEASE RETURN TO STAFF.

Identifiers	
Patient ID	Compulsory field. Enter identifier such as record number or use the following nomenclature: site ID, the first 2 letters of the first name, and the first 2 letters of the surname (e.g. NNNFFSS) to enable you to check your records if there is a query from the ADCQR regarding the data.
Site ID	Unique site identifier (assigned by the ADCQR Secretariat).
Staff initials (optional)	Site staff initials.
Visit conduct	Record if the consultation was conducted **in person**, by **video** or by **phone**.
Participant information sheet given	Mark if the patient was provided with the participant information sheet.
Section 1. Patient Demographics	
Date of birth	Record the patient's date of birth as **DD/MM/YYYY**.
Sex	Mark **Male** or **Female** or **Other** to indicate the person's recorded sex at birth.
Currently pregnant	If sex is female, mark **Yes** or **No** to indicate if the patient is currently pregnant.
Date of visit	Record the date the patient attended as **DD/MM/YYYY**.
Initial visit	Mark **Yes** or **No** to indicate if this is an initial visit assessment at this site.
Aboriginal/Torres Strait Islander	Mark **Yes** or **No** to indicate Aboriginal/Torres Strait Islander background.
Main language spoken at home	Record the patient's main language spoken at home.
Interpreter required	Mark **Yes** or **No** to indicate if the patient requires an interpreter.
Residential postcode	Record the patient's residential postcode.
NDSS registrant	Mark **Yes** or **No** to indicate if the patient is registered on the National Diabetes Services Scheme (NDSS).
Country of birth	Record the patient's country of birth.
DVA	Mark **Yes** or **No** to indicate if the patient's medical care charges are met by the Department of Veterans' Affairs (DVA).
Section 2. Diabetes Type & Management	
Date of diagnosis	Record first diagnostic blood glucose estimation as **MM/YYYY**. [If date unknown other than year, record as 01/YYYY].
Type of diabetes	Mark **Type 1** or **Type 2** or **Other (secondary causes)** or **Don't know**, to indicate the clinical classification of diabetes. *Please note: Female patients with a diagnosis of gestational diabetes mellitus (GDM) (not known to have established diabetes, i.e. a diagnosis of diabetes prior to pregnancy) are excluded from the Registry and should not have data collected.*
Self-monitoring of glucose	Mark how blood glucose levels are self-monitored by the patient. If multiple, **tick all that apply** within the last 12 months. **None**: No regular blood glucose monitoring is performed. **Finger pricking**: A blood sample is obtained via a finger-prick and is analysed using testing strips and a glucometer. **Continuous Glucose Monitoring (CGM)**: Subcutaneous/interstitial glucose monitoring systems that automatically provide the user (and/or carer) with real-time glucose data via a receiver or compatible phone running an application. To indicate that a patient uses CGM, this system should have been used for at least 1 month over the last 12 months. **Flash Glucose Monitoring:** A factory calibrated subcutaneous/interstitial glucose monitoring system that currently requires the user (and/or carer) to scan the attached sensor with a reader or compatible phone running an application in order to view recent glucose data. To indicate that a patient uses Flash Glucose Monitoring, this system should have been used for at least 1 month over the last 12 months.
Finger pricking - Does the patient check their blood glucose level as often as	If monitoring glucose by finger pricking, mark if the patient checks their blood glucose as often as recommended (**Yes/No/Unsure of recommended frequency**).

recommended?	
Finger pricking - How many times a day?	If monitoring glucose by finger pricking, indicate the number of times the patient does finger pricking per day on average.
If using Flash/CGM, time using sensors	If monitoring glucose using Flash/CGM, mark **Yes** or **No** to indicate if the patient has worn a sensor for a minimum of 14 days in the last 3 months. If **Yes**, mark the percentage of time the sensor was active (**<70%** or **≥70%**)
Management method	If multiple, **tick all that apply**. DPP4 – dipeptidyl peptidase IV, GIP – glucose-dependent insulinotropic polypeptide, GLP1 – glucagon-like peptide 1, SGLT2 – sodium-glucose cotransporter-2. See the Living Evidence Guidelines in Diabetes for treatment recommendations and information on each drug class. These guidelines can be found on the Australian Diabetes Society website, or with the direct links below: https://www.diabetessociety.com.au/living-evidence-guidelines-in-diabetes
Insulin duration	If the patient is on insulin, record the number of years/months the patient has been on insulin.
Insulin mode	If the patient is on insulin, mark the mode of administration(s). If multiple, **tick all that apply**. **Basal:** Intermediate-acting or long-acting insulin injection(s). **Basal bolus:** Insulin regime that utilises any type of basal insulin as well as any type of bolus insulin. Pre-mixed insulins are excluded from this category. **Pre-mixed**: Injection of any pre-mixed combination of intermediate or long-acting insulin with either short-acting or very short-acting insulin. **Pump**: Mode of insulin delivery being via continuous subcutaneous insulin infusion. **If using a pump, mark the type of pump**: CSII Automated or CSII Non-automated **If using a CSII Automated pump, mark if it is a hybrid closed loop system**: The simultaneous and integrated use of continuous glucose monitoring and an insulin pump with a control algorithm that may increase and decrease basal insulin delivery based on real-time interstitial glucose results.
Section 3. Weight & Height	
Weight	Record in kilograms the weight measurement without shoes or jacket. Weight may be measured in clinic or self-reported by the patient.
Height	Record in metres the height measurement without shoes. Height may be measured in clinic or self-reported by the patient.
Section 4. Blood Pressure	
Blood pressure	Record systolic / diastolic (mmHg) measured after ***5 minutes sitting, [1st and 5th phases]***. Mark the option that describes where blood pressure was measured **(In clinic/Self-reported)**
Anti-hypertensive treatment	Mark **Yes** or **No** to indicate if the patient is on treatment for hypertension.
Anti-hypertensive medications	**If Yes**, select the anti-hypertensive medication(s) the patient is currently taking. ACE – angiotensin converting enzyme, ARB – angiotensin II receptor blocker. Thiazides also include thiazide-like diuretics. **If on a combination tablet, tick all that apply.**
Section 5. Blood Glucose Control & Renal Function	
HbA1c result	Record the most recent Haemoglobin A1c (HbA1c) result [**%**] in the last 12 months, or tick 'Not tested'. 'Not tested' refers to a test which has not been ordered by the patient's clinician/health practitioner in the last 12 months.
HbA1c test date	If HbA1c was measured, record the date as **MM/YYYY** for the most recent Haemoglobin A1c (HbA1c) result in the last 12 months.
eGFR	Record the result for the most recent eGFR [**mL/min per 1.73m^2**] in the last 12 months, or tick 'Not tested'. If the result is reported as eGFR ≥90, record as 90.

	'Not tested' refers to a test which has not been ordered by the patient's clinician/health practitioner in the last 12 months.
Serum creatinine	Record result measurement of serum creatinine [µmol/L] in the last 12 months, or tick 'Not tested'. 'Not tested' refers to a test which has not been ordered by the patient's clinician/health practitioner in the last 12 months.
Urinary albumin	Record amount of albumin [mg/L] or ratio. If the result is less than the lower limit of detection provided by the pathology service, please record the lower limit of detection. Example: If reported as <0.05 please record as 0.05. Tick 'Not tested' if a test has not been ordered by the patient's clinician/health practitioner in the last 12 months.
Urinary protein	Record amount of albumin [mg/L] or ratio. If the result is less than the lower limit of detection provided by the pathology service, please record the lower limit of detection. Example: If reported as <0.05 please record as 0.05. Tick 'Not tested' if a test has not been ordered by the patient's clinician/health practitioner in the last 12 months.
Section 6. Medications and Lipids	
Aspirin	Mark Yes or No to indicate whether the patient is on aspirin. Indicate if contraindicated.
Other anti-platelets	Mark Yes or No to indicate whether the patient is on any other anti-platelet treatment (e.g. clopidogrel, ticagrelor or prasugrel). Indicate if contraindicated.
Anti-coagulants	Mark Yes or No to indicate whether the patient is on anti-coagulants (e.g. warfarin or non-vitamin K antagonist oral anticoagulants (NOAC)). Indicate if contraindicated.
Lipid modifying treatment	Mark Yes or No to indicate whether the patient is on lipid lowering treatment. If Yes, indicate whether they are on statin, fibrate, ezetimibe, fish oil, PCSK9 inhibitor. PCSK9 – proprotein convertase subtilisin/kexin type 9. Indicate if contraindicated. If on combination tablet, tick all that apply.
Lipids measured	Mark Yes or No to indicate if lipids have been measured in the last 12 months.
Total Cholesterol, LDL, HDL, Triglycerides	Record the most recent result(s) for *total, LDL & HDL cholesterol* and *triglycerides* [mmol/L] in the last 12 months or tick 'Not tested'. *Recorded lipids can include fasting or non-fasting results.* 'Not tested' refers to a test which has not been ordered by the patient's clinician/health practitioner.
Section 7. Diabetes Related Eye & Foot Complications	
Mark Yes or No to indicate diagnosis/detection of diabetes related eye and foot problems in the last 12 months AND/OR previously (prior to the last 12 months). Answer all questions.	
Retinopathy	Mark Yes or No to indicate if the ophthalmological assessment revealed any diabetic retinopathy or maculopathy.
Treatment for retinopathy	Mark Yes or No to indicate if the patient has had any treatment for retinopathy. Includes any of the following: laser photocoagulation treatment, intravitreal VEGF inhibitor injection, or vitrectomy.
Right or left cataract	Mark Yes or No to indicate if the patient currently has a cataract or has had one removed.
Blindness	Mark Yes or No to indicate if the patient became legally blind (visual acuity <6/60) in either eye.
Peripheral neuropathy	Mark Yes or No to indicate clinical judgement following assessment using pin prick and vibration (using a Biothesiometer or tuning fork) or Monofilament. Includes the presence of both painful and non-painful neuropathy. Also includes the presence of Charcot foot.
Foot ulceration	Mark Yes or No to indicate past history of foot ulceration.
Lower limb amputation	Mark Yes or No to indicate lower limb amputation. Amputation of toe, forefoot or leg [above or below knee], not due to trauma or causes other than vascular disease.
Minor/Major Lower Limb	If the patient has had an amputation in either lower limb, indicate if minor and/or

Amputation	major. **Minor** = Amputation of the toe(s) or foot (below the ankle) **Major** = Amputation above the ankle.
Section 8. Other Complications/Events/Comorbidities	
Mark **Yes** or **No** to indicate diagnosis/detection or event in the last 12 months **AND/OR** previously (prior to the last 12 months). Answer all questions.	
Cerebral stroke	Mark **Yes** or **No** to indicate if the patient has had a diagnosis of ischaemic stroke (Does not include transient ischaemic attack or haemorrhagic stroke).
Myocardial infarction	Mark **Yes** or **No** to indicate if the patient has had a myocardial infarction evidenced by ECG changes, plasma enzyme changes or medical documentation.
CABG/Angioplasty	Mark **Yes** or **No** to indicate if the patient has had Coronary Artery Bypass Graft (CABG) surgery, coronary angioplasty or stent.
Congestive cardiac failure	Mark **Yes** or **No** to indicate if the patient has symptomatic congestive cardiac failure with response to specific therapy.
Peripheral vascular disease	Mark **Yes** or **No** to indicate if the patient has peripheral vascular disease. **Yes:** Absence of **both** dorsalis pedis and posterior tibial pulses in either foot **and/or** symptoms of peripheral vascular disease (e.g. intermittent claudication, rest pain, tissue loss/gangrene) **and/or** Ankle-Brachial Pressure Index <0.9 **and/or** confirmatory arterial ultrasound or angiography **and/or** previous revascularisation procedure (incl. angioplasty, stent insertion or surgical bypass).
End stage kidney disease	Mark **Yes** or **No** to indicate if the patient has any of the following: stage 5 chronic kidney disease (eGFR <15mL/min/1.73m^2) **and/or** dialysis-dependent (haemodialysis or peritoneal dialysis) **and/or** renal transplant recipient.
Sexual dysfunction	Mark **Yes** or **No** to indicate if the patient has/had experienced any of the following: If **male:** History or treatment of failure to achieve or maintain erection sufficient for satisfactory sexual intercourse. If **female:** History of persistent and recurrent problems with sexual response, desire, orgasm or pain that cause distress or relationship strain associated with diabetes.
Dementia	Mark **Yes** or **No** to indicate if the patient has had a formal diagnosis of dementia from a clinician **or** prescribed dementia-specific pharmacotherapy.
Depression	Mark **Yes** or **No** to indicate if the patient has had a formal diagnosis of depression from a clinician **or** prescribed pharmacotherapy for depression.
Anxiety	Mark **Yes** or **No** to indicate if the patient has had a formal diagnosis of anxiety from a clinician **or** prescribed pharmacotherapy for anxiety.
Malignancy	Mark **Yes** or **No** to indicate if the patient has had any type of malignancy. *Exclude non-melanoma skin cancers.*
Diabetic Ketoacidosis (DKA)	Mark **Yes** or **No** to indicate if the patient has had any hospital admission involving diabetic ketoacidosis as evidenced by blood results (glucose, ketones, pH) or medical documentation.
Hyperosmolar Hyperglycaemic State (HHS)	Mark **Yes** or **No** to indicate if the patient has had any hospital admission involving hyperosmolar hyperglycaemic state as evidenced by blood results (glucose, osmolality) or medical documentation.
Impaired awareness of hypoglycaemia	Mark **Yes** or **No** to indicate if the patient has had any of the following: - Reduced ability to perceive the onset of hypoglycaemia. Includes: - Reduced symptoms of hypoglycaemia - Lower recognition of those symptoms, e.g. through diminished severity of symptoms or because those symptoms are occurring at a lower glucose level than previously - Change in symptom type, whereby the patient does not 'recognise' the new symptom as being related to hypoglycaemia onset
Severe hypoglycaemia	Mark **Yes** or **No** to indicate severe hypoglycaemia requiring assistance of another person to actively administer carbohydrates, glucagon, or other corrective actions.
Number of episodes	If **Yes** to 'Severe hypoglycaemia', mark the number of episodes (**1-2**, **3-5** or **>5**).
Liver disease	Indicate severity of liver disease or if **not applicable**. **Mild:** cirrhosis without portal hypertension, chronic hepatitis.

	Moderate to severe: cirrhosis with portal hypertension.
COVID-19 positive	Mark **Yes** or **No** to indicate if the patient has tested positive to COVID-19 confirmed by a positive Rapid Antigen Test (RAT) or Polymerase Chain Reaction (PCR) test in the last 12 months **AND/OR** previously (prior to the last 12 months).
COVID-19 hospitalisation	If **Yes** to 'COVID-19', mark **Yes** or **No** to indicate if the patient was admitted to hospital. Any hospital admission, including to a general medical ward or intensive care unit (ICU).
Section 9. Mental Health Screening	
Diabetes distress	Mark **Yes** or **No** to indicate if the patient has been screened for diabetes distress using a validated questionnaire/measure in the last 12 months. Example: Problem Areas In Diabetes questionnaire (PAID) screening tool, Diabetes Distress Scale (DDS).
Depression	Mark **Yes** or **No** to indicate if the patient has been screened for depression using a validated questionnaire/measure in the last 12 months. Example: Patient Health Questionnaire (PHQ-9) screening tool. *This only applies to patients who have NOT had a formal diagnosis of depression from a clinician or prescribed pharmacotherapy for depression in the last 12 months.*
Anxiety	Mark **Yes** or **No** to indicate if the patient has been screened for anxiety using a validated questionnaire/measure in the last 12 months. Example: Generalized Anxiety Disorder scale (GAD- 7) screening tool. *This only applies to patients who have NOT had a formal diagnosis of anxiety from a clinician or prescribed pharmacotherapy for anxiety in the last 12 months.*
PATIENT HEALTH & WELL-BEING QUESTIONNAIRE	
Section 1. Smoking & Vaccination Status	
Currently smoke tobacco	Mark if the patient currently smokes any tobacco material (**Yes/No**). [i.e. cigarettes/cigars/e-cigarettes(vaping)]
Previously smoked tobacco	If **No** to 'Currently smoke tobacco', mark if the patient previously smoked any tobacco material (**Yes/No**).
COVID-19 vaccination	Mark if the patient had a COVID-19 vaccination in the last 6 months (**Yes/No**).
Flu/Influenza vaccination	Mark if the patient had a flu (influenza) vaccination in the last 12 months (**Yes/No**).
Pneumococcal vaccination	Mark if the patient is up-to-date with their pneumococcal vaccination (**Yes/No/Unsure**).
Section 2. Health Professional Attendances	
Endocrinologist	Mark if the patient attended an Endocrinologist in the last 12 months (**Yes/No**).
Diabetes Educator/Nurse Practitioner	Mark if the patient attended a Diabetes Educator/Nurse Practitioner in the last 12 months (**Yes/No**).
Dietitian	Mark if the patient attended a Dietician in the last 12 months (**Yes/No**).
Podiatrist	Mark if the patient attended a Podiatrist in the last 12 months (**Yes/No**).
Ophthalmologist	Mark if the patient attended an Ophthalmologist in the last 12 months (**Yes/No**).
Optometrist	Mark if the patient attended an Optometrist in the last 12 months (**Yes/No**).
Psychologist/Psychiatrist	Mark if the patient attended a Psychologist/Psychiatrist in the last 12 months (**Yes/No**).
Social Worker	Mark if the patient attended a Social Worker in the last 12 months (**Yes/No**).
Dentist	Mark if the patient attended a Dentist in the last 12 months (**Yes/No**).
Exercise Physiologist/ Physiotherapist	Mark if the patient attended an Exercise Physiologist/Physiotherapist in the last 12 months (**Yes/No**).
Ambulance	Mark if the patient needed an Ambulance for their diabetes in the last 12 months (**Yes/No**).

Emergency Department	Mark if the patient attended an Emergency Department for their diabetes in the last 12 months (**Yes/No**).
Section 3. Medication Use	
Medication use practices	Mark if the patient has not taken their medications as recommended in the last 2 weeks (**Yes/No**). If **Yes**, indicate the number of times.
Section 4. Foot care	
Feet Checked	Mark if the patient has had their feet checked by a professional (e.g. doctor, nurse, podiatrist) in the last 12 months (**Yes/No**).
Self-check of feet	Mark the option that best describes how often the patient self-checks their feet (**Daily, Weekly, Monthly, Rarely/never).**
Section 5. Nutrition/Diet Management	
Do you know what foods are best to eat?	Mark if the patient has enough knowledge about what foods and how much are best to eat (**Yes/No**).
Do you have enough time to prepare healthy meals?	Mark if the patient has enough time to prepare healthy meals (**Yes/No**).
Does it cost too much to eat healthy meals?	Mark if the patient feels it costs too much to eat healthy meals (**Yes/No**).
If you have Type 1 diabetes, do you find it hard to count carbs/weigh food?	If the patient has type 1 diabetes, mark if the patient finds it hard to count carbs and/or weigh food (**Yes/No**).
Section 6. Physical Activity	
Physical activity	Mark the usual weekly duration of time (**150 mins/week or more, less than 150 mins/week,** or **rarely/never**) spent performing moderate or vigorous intensity physical activity. Physical activity is calculated in ***'total minutes per week'*** by summing the total minutes of walking, moderate and/or vigorous physical activity in a usual 7-day period. Vigorous physical activity is weighted by a factor of two to account for its greater intensity. *Intensity of physical activity* is defined by The National Physical Activity Guidelines for Australians: ***Moderate*** physical activity causes a slight but noticeable increase in breathing and heart rate, the person can comfortably talk but not sing. ***Vigorous*** physical activity causes the person to 'huff and puff,' talking in full sentences between breaths is difficult**.**
Muscle strengthening exercise	Mark whether the patient does any muscle strengthening exercise in a usual week. (**Yes/No**). Muscle strengthening activities are physical activities that maintain or improve the strength, power, endurance and size of skeletal muscles. This can be physical activity with free weights, body weight or resistance machines/bands, or house/garden activities that involve muscular effort, such as, lifting, carrying or digging.