
2023

AUSTRALIAN DIABETES CLINICAL QUALITY REGISTRY

SUPPLEMENT

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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 2023 Annual Report.

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

In brief, the Australian Diabetes Clinical Quality Registry (ADCQR), successor to the Australian National Diabetes Audit (ANDAs), is a clinician-led, Australian Government funded national clinical quality registry 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 was provided to participating health services (sites) to assist in the collection of data, are included in the Appendices at the end of this document.

Herein, we provide details on data queries, assumptions and manipulations, data analysis and results. More specifically, this Supplement provides detailed information on frequency counts and missingness of data for each variable, as well as descriptive reporting.

This Supplement also provides key findings highlighting 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 = 01/06/2023 if missing
- Insulin = Yes, if insulin duration and/or mode indicated
- Day = 01 if day is missing in any of the date fields, but month and year are provided
- Month = 01 if month is missing in any of the date fields, but year is provided

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/m² or >50 kg/m²
- Systolic BP < diastolic BP OR systolic or diastolic BP is missing
- Systolic BP <70mmHg or >200mmHg
- Diastolic BP <40mmHg or >130mmHg
- Urinary albumin/protein value, if units not indicated
- HbA1c <3%
- HbA1c >22%*
- Total cholesterol <2.0 mmol/L*
- HDL cholesterol >2.5 mmol/L*
- Triglyceride <0.5 mmol/L*
- Creatinine <50 or >1000 μ mol/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: Current year – Year of birth. If visit date was unavailable, date was assumed to be 01/06 of the report year.
- Diagnosis date = Start of insulin date (if Start of insulin date was before Diagnosis date)
- Duration of diabetes was calculated: Current year – Year of diagnosis
- 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 any of the insulin modes were selected
- 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
- Anti-hypertensive therapy changed to 'No' if no medications were indicated
- Anti-hypertensive therapy changed to 'Yes' if any medications were indicated
- 'Lipid modifying therapy' changed to 'No' if no therapy details 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
- Lipids measured changed to 'No' if no 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).

Descriptive Reports

The descriptive reports provide a breakdown of data by diabetes type for patient characteristics and outcomes. Raw data are demonstrated in tabular or descriptive format, and the corresponding bar charts demonstrate the mean, median or percentage by participating site. In each table, R% reflects the percentage of patients by variable options, e.g. males versus females. Alternatively, C% reflects the percentage of patients in each variable by sub-group, e.g. diabetes type (T1DM, T2DM, other or don't know). In each bar chart, individual bars across the x-axis represent a single data collection site, and the y-axis corresponds to the mean, median or percentage at the individual site for that characteristic. The bars are presented in descending order, with the data from a site with the highest mean, median or percentage presented on the left. Note that there are variable numbers of bars across different charts - as data for certain characteristics were not recorded at every site. At the site level, the distribution of key clinical outcomes appeared normally distributed for the majority of outcomes and therefore the means are utilised in the descriptive reports. For HbA1c, duration of diabetes, triglycerides, urinary albumin and urinary protein. median and IQR values are utilised as the data were not normally distributed. Note that where low numbers were reported, descriptive reports were not presented. However, where descriptive reports are provided but patient numbers are on the lower side, please interpret with caution.

Complications were defined as: cerebral stroke, myocardial infarction, congestive cardiac failure, CABG/angioplasty, end stage renal disease, foot ulceration, foot amputation, retinopathy, blindness, sexual dysfunction, diabetic ketoacidosis, hyperosmolar hyperglycaemic state or severe hypoglycaemia. Cardiovascular possible complications include macrovascular/microvascular complications. Complications/comorbidities are reported as ever reported (percentage of patients with a diagnosis/detection either in the last 12 months or prior to the last 12 months).

KEY FINDINGS

DEMOGRAPHICS



25

Participating Centres



1426

Patients



14

Centres of Excellence
& Tertiary Care
Centres



11

Secondary
& Primary Care
Centres



7

States
& Territories

SEX DISTRIBUTION



45.0%

Females



54.9%

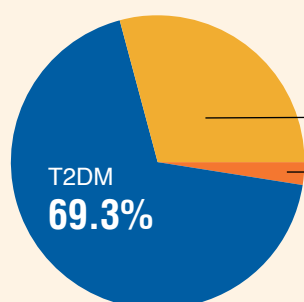
Males



0.1%

Other

TYPES OF DIABETES*



28.0%

T1DM

69.3%

T2DM

2.7%

Other
(Secondary
Causes)

**Excluding unknown or unstated diabetes type*

MEAN AGE



MEDIAN DURATION OF DIABETES



BLOOD GLUCOSE MONITORING

T1DM BLOOD GLUCOSE MONITORING

17.6% Blood Glucose
Self Monitoring
Only

77.1% Continuous
Glucose/Flash
Monitoring Only

5.3% Both Blood &
Continuous
Glucose/Flash
Monitoring

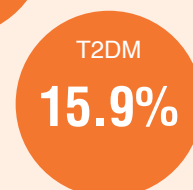
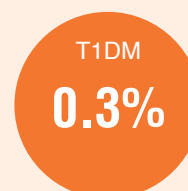
T2DM BLOOD GLUCOSE MONITORING

78.5% Blood Glucose
Self Monitoring
Only

5.2% Continuous
Glucose/Flash
Monitoring Only

0.2% Both Blood &
Continuous
Glucose/Flash
Monitoring

NO REGULAR BLOOD GLUCOSE MONITORING



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

GLUCOSE MANAGEMENT

T1DM INSULIN REGIMENS



72.2%

Multiple Daily Injections



27.8%

Continuous Subcutaneous Insulin Infusion

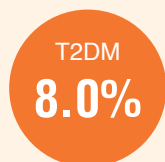
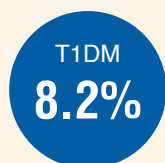


2.1%

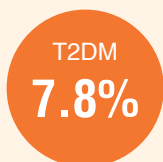
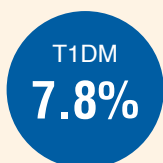
Additional Non-Insulin Therapy

GLUCOSE MANAGEMENT

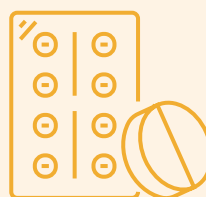
MEAN HBA1C (%)



MEDIAN HBA1C (%)



PROPORTION OF PATIENTS WITH T2DM ON GLUCOSE LOWERING THERAPIES



38.0%

On 1 Therapy



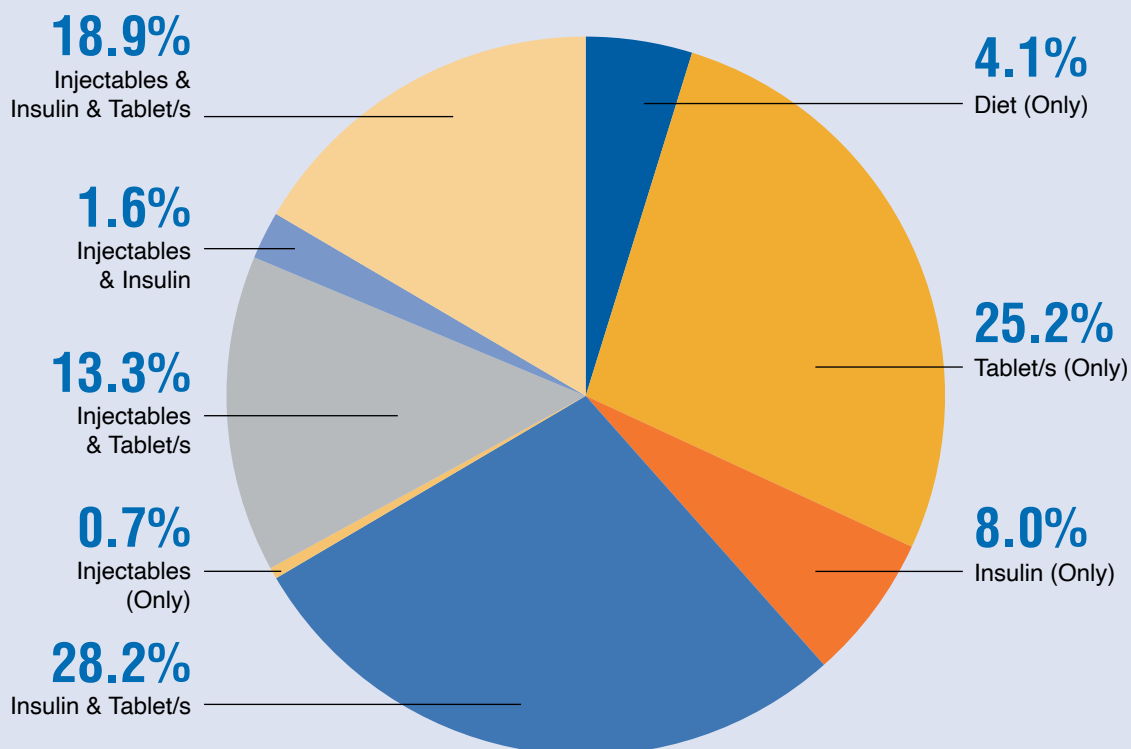
43.1%

On 2 Therapies

18.9%

On ≥3 Therapies

TYPES OF GLUCOSE LOWERING THERAPIES (T2DM ONLY)



RISK FACTORS

CHOLESTEROL



45.3%

Total Cholesterol ≤ 4.0 mmol/L

66.8%

On Lipid Modifying Therapy

SMOKING



32.3%

Past Smokers

12.2%

Current Smokers

BLOOD PRESSURE



31.2%

Blood Pressure $\leq 130/80$ mmHg

64.9%

Blood Pressure $\leq 140/90$ mmHg

66.1%

On Anti-Hypertensive Therapy

WEIGHT



31.1 KG/M²

Mean BMI

T1DM 31.2%

$\square\square$ Overweight/Obese

T2DM 13.2%

$\square\square$ Overweight/Obese

COMPLICATIONS (EVER REPORTED)

FOOT COMPLICATIONS



9.4%

Foot Ulceration

20.8%

Peripheral Neuropathy

5.0%

Amputation

KIDNEY AND EYE DISEASE



25.5%

Retinopathy



2.2%

Blindness

6.0%

End-Stage Kidney Disease

CARDIOVASCULAR DISEASE



16.2%

Myocardial Infarction/CABG



7.0%

Stroke

7.9%

Peripheral Vascular Disease

OVERALL COMPLICATIONS

55.4%
 ≥ 1 COMPLICATION/S

44.6%
NO COMPLICATIONS

EXPERIENCED SEVERE HYPOGLYCAEMIA*

T2DM 2.1%

T1DM 9.3%

EXPERIENCED DKA OR HHS*

**T2DM 0.7% DKA
0.5% HHS**

T1DM 5.0% DKA

*In the last 12 months

*In the last 12 months

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

PATIENT REPORTED OUTCOMES

HEALTH PROFESSIONAL ATTENDANCES (IN THE LAST 12 MONTHS)



65.6%

Endocrinologist



66.2%

Diabetes Educator/Nurse Practitioner



30.7%

Dietitian



82.2%

Ophthalmologist/Optometrist



12.0%

Psychologist/Psychiatrist



58.4%

Podiatrist

PHYSICAL ACTIVITY



33.1%

≥150 Mins/Week
Moderate Or
Vigorous Activity



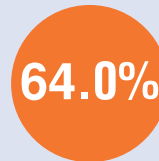
33.7%

Muscle
Strengthening
Exercise

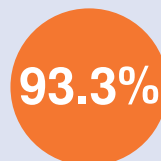
NUTRITION/DIET MANAGEMENT



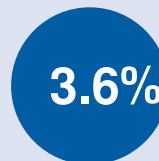
□ Insufficient Time To
Prepare Healthy Meals



□□□ Too Costly To Eat Well



Know What Foods Are
Best To Eat



T1DM Only - □□□ Hard To
Count Carbs/Weigh Food

VACCINATIONS



39.4%

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



69.3%

Received An Influenza
Vaccination In
The Last 12 Months



24.8%

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	1217	85.3%	85.7%					
		Phone	56	3.9%	3.9%					
		Video	147	10.3%	10.4%					
		Missing	6	0.4%						
		Sum	1426	100%	100%					
1.1	Date of birth									
		DOB	1425	99.9%	100%					
		Missing	1	0.1%						
		Sum	1426	100%	100%					
	Age									
		Age (years)	1425	99.9%	100%	63.9	60.2	17.1	18.0	99.5
		Missing	1	0.1%						
		Sum	1426	100%	100%					
1.2	Sex									
		Male	784	55.0%	55.0%					
		Female	641	45.0%	45.0%					
		Other	1	0.1%	0.2%					
		Missing	0	0.0%						
		Sum	1426	100%	100%					
1.2.1	Currently pregnant (females aged 18-55 years)									
		Yes	14	6.2%	6.2%					
		No	211	93.0%	93.8%					
		Missing	2	0.9%						
		Sum	227	100%	100%					
1.3	Date of visit									
		Visit Date	1426	100.0%	100%					
		Missing	0	0.0%						
		Sum	1426	100%	100%					
1.4	NDSS registrant									
		Yes	1335	93.6%	94.5%					
		No	78	5.5%	5.5%					
		Missing	13	0.9%						
		Sum	1426	100%	100%					
1.5	Aboriginal/Torres Strait Islander									
		Yes	45	3.2%	3.2%					
		No	1380	96.8%	96.8%					
		Missing	1	0.1%						
		Sum	1426	100%	100%					
1.6	Initial visit									
		Yes	143	10.0%	10.1%					
		No	1278	89.6%	89.9%					
		Missing	5	0.4%						
		Sum	1426	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	72	5.0%	5.0%					
		No	1354	95.0%	95.0%					
		Missing	0	0.0%						
		Sum	1426	100%	100%					
1.8	Main language spoken at home									
		Language provided	1420	99.6%	100%					
		Missing	6	0.4%						
		Sum	1426	100%	100%					
1.9	DVA									
		Yes	9	0.6%	0.6%					
		No	1412	99.0%	99.4%					
		Missing	5	0.4%						
		Sum	1426	100%	100%					
1.10	Country of birth									
		Country	1419	99.5%	100%					
		Missing	7	0.5%						
		Sum	1426	100%	100%					
1.11	Residential postcode									
		Postcode provided	1419	99.5%	100%					
		Missing	7	0.5%						
		Sum	1426	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	1416	99.3%	100%					
		Missing	10	0.7%						
		Sum	1426	100%	100%					
	Diabetes duration					Median	IQR		Min	Max
		Diabetes duration (years)	1416	99.3%	100%	15.5	8.0 - 23.7		0.0	73.5
		Missing	10	0.7%						
		Sum	1426	100%	100%					
2.2	Type of diabetes									
		T1DM	397	27.8%	27.8%					
		T2DM	988	69.3%	69.3%					
		Other	38	2.7%	2.7%					
		Don't know	3	0.2%	0.2%					
		Missing	0	0.0%						
		Sum	1426	100%	100%					
2.3	Self-monitoring of glucose									
		None	162	11.4%	11.4%					
		Finger pricking only	875	61.4%	61.4%					
		Continuous glucose monitoring only	363	25.5%	25.5%					
		Finger pricking and CGM	24	1.7%	1.7%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
2.3.1	Check as often as recommended**									
		Yes	629	70.0%	70.4%					
		No	231	25.7%	25.8%					
		Unsure	34	3.8%	3.8%					
		Missing	5	0.6%						
		Sum	899	100%	100%					
	**Of patients using finger pricking									
2.3.2	Number of times a day**					Median	Mean	SD	Min	Max
		Provided	869	96.7%	100.0%	2.0	2.2	1.3	0.0	10.0
		Missing	30	3.3%						
		Sum	899	100%	100%					
	**Of patients using finger pricking									
2.3.3	Sensor worn for ≥14 days in the last 3 months†									
		Yes	352	91.0%	91.2%					
		No	34	8.8%	8.8%					
		Missing	1	0.3%						
		Sum	387	100%	100%					
	† Of patients using flash/continuous glucose monitoring									
2.3.4	Percentage of active time sensor†									
		<70%	55	91.0%	15.9%					
		≥70%	291	8.8%	84.1%					
		Missing	41	0.3%						
		Sum	387	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	41	2.9%	2.9%					
		Metformin**	791	55.5%	55.5%					
		Sulphonylurea**	236	16.5%	16.6%					
		Thiazolidinedione**	2	0.1%	0.1%					
		Acarbose**	13	0.9%	0.9%					
		DPP4 inhibitor**	254	17.8%	17.8%					
		SGLT2 inhibitor**	409	28.7%	28.7%					
		GLP1/GIP agonist**	352	24.7%	24.7%					
		Insulin**	986	69.1%	69.2%					
		Missing	2	0.1%						
		**Monotherapy or in combination with other treatments								
2.4.1	Insulin duration**									
		<5 years	274	27.8%	28.6%					
		5-10 years	224	22.7%	23.4%					
		>10 years	461	46.8%	48.1%					
		Missing	27	2.7%						
		Sum	986	100%	100%					
		**Of patients using insulin								
2.4.2	Insulin mode**									
		Basal [†]	120	8.4%	8.4%					
		Basal bolus [†]	430	30.2%	30.2%					
		Pre-mixed insulin [†]	359	25.2%	25.2%					
		Pump [†]	111	7.8%	7.8%					
		Missing	2	0.1%						
		**Of patients using insulin								
		[†] Multiple modes of insulin reported in some patients								
	Insulin mode: Pump**									
		CSII automated (Hybrid closed loop system)	67	60.4%	60.9%					
		CSII automated (other)	16	14.4%	14.5%					
		CSII non-automated	27	24.3%	24.5%					
		Missing	1	0.9%						
		Sum	44	100%	100%					
		**Of patients using insulin and pump								

*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)	1390	97.5%	100%	86.1	88.7	23.2	36.9	255.0
		Missing	36	2.5%						
		Sum	1426	100%	100%					
3.2	Height									
		Height (m)	1354	95.0%	100%	1.7	1.7	0.1	1.3	2.1
		Missing	72	5.0%						
		Sum	1426	100%	100%					

SECTION 4. BLOOD PRESSURE

Item	Field	Category	Total	%	Relative %*	Median	Mean	SD	Min	Max
4.1a	Systolic blood pressure									
		Systolic (mmHg)	1316	92.3%	100%	130	132	18	90	211
		Missing	110	7.7%						
		Sum	1426	100%	100%					
4.1b	Diastolic blood pressure									
		Diastolic (mmHg)	1316	92.3%	100%	78	77	11	34	115
		Missing	110	7.7%						
		Sum	1426	100%	100%					
4.1.1	Blood pressure method**									
		Measured in clinic	1125	85.5%	88.8%					
		Self-reported	142	10.8%	11.2%					
		Missing	49	3.7%						
		Sum	1316	100%	100%					
		**Of patients with blood pressure measured								
4.2	Anti-hypertensive therapy									
		Yes	943	66.1%	66.1%					
		No	483	33.9%	33.9%					
		Missing	0	0.0%						
		Sum	1426	100%	100%					
4.2.1	Anti-hypertensive therapies**									
		ACE inhibitor [†]	371	26.0%	26.0%					
		Thiazides/Diuretics [†]	247	17.3%	17.3%					
		Calcium channel blocker [†]	324	22.7%	22.7%					
		Beta blocker [†]	294	20.6%	20.6%					
		ARB [†]	425	29.8%	29.8%					
		Other anti-hypertensive [†]	94	6.6%	6.6%					
		Missing	0	0.0%						

**Of patients on anti-hypertensive therapy

[†] Monotherapy or in combination with other anti-hypertensive 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	HbA _{1c}	result (%)								
		HbA _{1c} (%)	1381	96.8%	100%	7.8	8.1	1.7	4.4	16.3
		Missing	45	3.2%						
		Sum	1426	100%	100%					
5.1.1	HbA _{1c} (%)	test date								
		HbA _{1c} (%) test date provided	1381	96.8%	100%					
		Missing	45	3.2%						
		Sum	1426	100%	100%					
5.2	eGFR									
		eGFR (mL/min per 1.73m ²)	958	67.2%	100%	70.0	65.9	21.6	3.0	114.0
		Missing	468	32.8%						
		Sum	1426	100%	100%					
5.3	Serum creatinine									
		Creatinine (μmol/L)	1308	91.7%	100%	80.0	97.6	86.7	33.0	1235.0
		Missing	118	8.3%						
		Sum	1426	100%	100%					
5.4a	Urinary albumin result (all units)									
		Result	919	64.4%	100%					
		Missing	507	35.6%						
		Sum	1426	100%	100%					
	Urinary albumin result (mg/L)					Median	IQR		Min	Max
		Result provided	265	18.6%	100%	14.4	5.0 - 60.0		0.0	4500.0
		Albumin:creatinine (ratio)								
		Result provided	654	45.9%	100%	1.9	0.9 - 8.0		0.0	649.9
5.4b	Urinary protein result (all units)									
		Result provided	149	10.4%	100%					
		Missing	1277	89.6%						
		Sum	1426	100%	100%					
	Urinary protein result (mg/L)									
		Result provided	50	3.5%	100%	5.5	0.2 - 125.8		0.1	2580.0
		Protein:creatinine (ratio)								
		Result provided	99	6.9%	100%	4.5	0.7 - 18.6		0.0	1609.5

*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	396	27.8%	27.8%					
		No	1020	71.5%	71.7%					
		Contraindicated	7	0.5%	0.5%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
6.2	Other anti-platelets									
		Yes	95	6.7%	6.7%					
		No	1322	92.7%	92.9%					
		Contraindicated	6	0.4%	0.4%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
6.3	Anti-coagulants									
		Yes	137	9.6%	9.6%					
		No	1282	89.9%	90.1%					
		Contraindicated	4	0.3%	0.3%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
6.4	Lipid modifying therapy									
		Yes	951	66.7%	66.8%					
		No	472	33.1%	33.2%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
6.4.1	Statin**									
		Yes	893	93.9%	93.9%					
		No	47	4.9%	4.9%					
		Contraindicated	11	1.2%	1.2%					
		Missing	0	0.0%						
		Sum	951	100%	100%					
6.4.2	Fibrate**									
		Yes	104	10.9%	11.0%					
		No	839	88.2%	88.7%					
		Contraindicated	3	0.3%	0.3%					
		Missing	5	0.5%						
		Sum	951	100%	100%					
6.4.3	Ezetimibe**									
		Yes	133	14.0%	14.0%					
		No	811	85.3%	85.6%					
		Contraindicated	3	0.3%	0.3%					
		Missing	4	0.4%						
		Sum	951	100%	100%					
6.4.4	Fish oil**									
		Yes	133	14.0%	14.0%					
		No	811	85.3%	85.6%					
		Contraindicated	3	0.3%	0.3%					
		Missing	4	0.4%						
		Sum	951	100%	100%					
6.4.5	PCSK9**									
		Yes	4	0.4%	0.4%					
		No	941	98.9%	99.4%					
		Contraindicated	2	0.2%	0.2%					
		Missing	4	0.4%						
		Sum	951	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	1078	75.6%	75.6%					
		No	348	24.4%	24.4%					
		Missing	0	0.0%						
		Sum	1426	100%	100%					
6.5.1	Total cholesterol**									
		Total cholesterol (mmol/L)	1074	99.6%	100%	4.1	4.2	1.1	1.7	10.2
		Missing	4	0.4%						
		Sum	1078	100%	100%					
6.5.2	LDL**									
		LDL (mmol/L)	960	89.1%	100%	2.0	2.1	0.9	0.0	7.0
		Missing	118	10.9%						
		Sum	1078	100%	100%					
6.5.3	HDL**									
		HDL (mmol/L)	979	90.8%	100%	1.2	1.3	0.4	0.5	3.8
		Missing	99	9.2%						
		Sum	1078	100%	100%					
6.5.4	Triglycerides**					Median	IQR		Min	Max
		Triglycerides (mmol/L)	1067	99.0%	100%	1.5	1.0 - 2.1		0.3	24.4
		Missing	11	1.0%						
		Sum	1078	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	139	9.7%	9.8%					
		No	1283	90.0%	90.2%					
		Missing	4	0.3%						
		Sum	1426	100%	100%					
7.1b	Retinopathy - previous									
		Yes	318	22.3%	22.4%					
		No	1104	77.4%	77.6%					
		Missing	4	0.3%						
		Sum	1426	100%	100%					
7.2a	Treatment for retinopathy - last 12 months									
		Yes	85	6.0%	6.0%					
		No	1338	93.8%	94.0%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
7.2b	Treatment for retinopathy - previous									
		Yes	190	13.3%	13.4%					
		No	1233	86.5%	86.6%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
7.3a	Right or left cataract - last 12 months									
		Yes	115	8.1%	8.1%					
		No	1309	91.8%	91.9%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
7.3b	Right or left cataract - previous									
		Yes	320	22.4%	22.5%					
		No	1104	77.4%	77.5%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
7.4a	Blindness - last 12 months									
		Yes	13	0.9%	0.9%					
		No	1411	98.9%	99.1%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
7.4b	Blindness - previous									
		Yes	28	2.0%	2.0%					
		No	1395	97.8%	98.0%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
7.5a	Peripheral neuropathy - last 12 months									
		Yes	201	14.1%	14.1%					
		No	1223	85.8%	85.9%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
7.5b	Peripheral neuropathy - previous									
		Yes	237	16.6%	16.6%					
		No	1187	83.2%	83.4%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
7.6a	Foot ulceration - last 12 months									
		Yes	92	6.5%	6.5%					
		No	1332	93.4%	93.5%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
7.6b	Foot ulceration - previous									
		Yes	102	7.2%	7.2%					
		No	1322	92.7%	92.8%					
		Missing	2	0.1%						
		Sum	1426	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	31	2.2%	2.2%					
		No	1393	97.7%	97.8%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
7.7.1a	Minor lower limb amputation - last 12 months									
		Yes	21	67.7%	67.7%					
		No	10	32.3%	32.3%					
		Missing	0	0.0%						
		Sum	31	100%	100%					
7.7.1b	Major lower limb amputation - last 12 months									
		Yes	9	29.0%	29.0%					
		No	22	71.0%	71.0%					
		Missing	0	0.0%						
		Sum	31	100%	100%					
7.7b	Lower limb amputation - previous									
		Yes	52	3.6%	3.7%					
		No	1372	96.2%	96.3%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
7.7.2a	Minor lower limb amputation - previous									
		Yes	38	73.1%	73.1%					
		No	14	26.9%	26.9%					
		Missing	0	0.0%						
		Sum	52	100%	100%					
7.7.2b	Major lower limb amputation - previous									
		Yes	6	11.5%	50.0%					
		No	6	11.5%	50.0%					
		Missing	40	76.9%						
		Sum	52	100%	100%					

*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	Stroke - last 12 months									
		Yes	26	1.8%	1.8%					
		No	1398	98.0%	98.2%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.1b	Stroke - previous									
		Yes	80	5.6%	5.6%					
		No	1342	94.1%	94.4%					
		Missing	4	0.3%						
		Sum	1426	100%	100%					
8.2a	Myocardial infarction - last 12 months									
		Yes	40	2.8%	2.8%					
		No	1384	97.1%	97.2%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.2b	Myocardial infarction - previous									
		Yes	146	10.2%	10.3%					
		No	1277	89.6%	89.7%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
8.3a	CABG/Angioplasty - last 12 months									
		Yes	35	2.5%	2.5%					
		No	1389	97.4%	97.5%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.3b	CABG/Angioplasty - previous									
		Yes	153	10.7%	10.7%					
		No	1271	89.1%	89.3%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.4a	Congestive cardiac failure - last 12 months									
		Yes	15	1.1%	1.1%					
		No	1409	98.8%	98.9%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.4b	Congestive cardiac failure - previous									
		Yes	69	4.8%	4.8%					
		No	1355	95.0%	95.2%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.5a	Peripheral vascular disease - last 12 months									
		Yes	56	3.9%	3.9%					
		No	1368	95.9%	96.1%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.5b	Peripheral vascular disease - previous									
		Yes	92	6.5%	6.5%					
		No	1332	93.4%	93.5%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.6a	End stage kidney disease - last 12 months									
		Yes	12	0.8%	0.8%					
		No	1412	99.0%	99.2%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.6b	End stage kidney disease - previous									
		Yes	73	5.1%	5.1%					
		No	1351	94.7%	94.9%					
		Missing	2	0.1%						
		Sum	1426	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	149	10.4%	10.6%					
		No	1259	88.3%	89.4%					
		Missing	18	1.3%						
		Sum	1426	100%	100%					
8.7b	Sexual dysfunction - previous									
		Yes	149	10.4%	10.6%					
		No	1259	88.3%	89.4%					
		Missing	18	1.3%						
		Sum	1426	100%	100%					
8.8a	Dementia - last 12 months									
		Yes	5	0.4%	0.4%					
		No	1418	99.4%	99.6%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
8.8b	Dementia - previous									
		Yes	14	1.0%	1.0%					
		No	1410	98.9%	99.0%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.9a	Depression - last 12 months									
		Yes	182	12.8%	12.8%					
		No	1241	87.0%	87.2%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
8.9b	Depression - previous									
		Yes	315	22.1%	22.1%					
		No	1108	77.7%	77.9%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
8.10a	Anxiety - last 12 months									
		Yes	168	11.8%	11.8%					
		No	1256	88.1%	88.2%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.10b	Anxiety - previous									
		Yes	232	16.3%	16.3%					
		No	1191	83.5%	83.7%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
8.11a	Malignancy - last 12 months									
		Yes	34	2.4%	2.4%					
		No	1390	97.5%	97.6%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.11b	Malignancy - previous									
		Yes	110	7.7%	7.7%					
		No	1313	92.1%	92.3%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
8.12a	Diabetic ketoacidosis - last 12 months									
		Yes	28	2.0%	2.0%					
		No	1396	97.9%	98.0%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.12b	Diabetic ketoacidosis - previous									
		Yes	86	6.0%	6.0%					
		No	1338	93.8%	94.0%					
		Missing	2	0.1%						
		Sum	1426	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	6	0.4%	0.4%					
		No	1418	99.4%	99.6%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.13b	Hyperosmolar hyperglycaemic state - previous									
		Yes	11	0.8%	0.8%					
		No	1413	99.1%	99.2%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.14a	Impaired awareness of hypoglycaemia - last 12 months									
		Yes	62	4.3%	4.4%					
		No	1362	95.5%	95.6%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.14b	Impaired awareness of hypoglycaemia - previous									
		Yes	54	3.8%	3.8%					
		No	1370	96.1%	96.2%					
		Missing	2	0.1%						
		Sum	1426	100%	100%					
8.15a	Severe hypoglycaemia - last 12 months									
		Yes	60	4.2%	4.2%					
		No	1363	95.6%	95.8%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
8.15.1	Number of episodes**									
		1-2 episodes	32	53.3%	54.2%					
		3-5 episodes	15	25.0%	25.4%					
		>5 episodes	12	20.0%	20.3%					
		Missing	1	1.7%						
		Sum	60	100%	100%					
	**Of patients who reported severe hypoglycaemia in the last 12 months									
8.15b	Severe hypoglycaemia - previous									
		Yes	106	7.4%	7.4%					
		No	1317	92.4%	92.6%					
		Missing	3	0.2%						
		Sum	1426	100%	100%					
8.16	Liver disease									
		Mild	211	73.5%	75.9%					
		Moderate/severe	67	23.3%	24.1%					
		Not applicable	0	0.0%	0.0%					
		Missing	9	3.1%						
		Sum	287	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	335	23.5%	24.0%					
		No	1063	74.5%	76.0%					
		Missing	28	2.0%						
		Sum	1426	100%	100%					
8.17.1	COVID-19	hospital admission - last 12 months**								
		Yes	27	8.1%	8.1%					
		No	306	91.3%	91.9%					
		Missing	2	0.6%						
		Sum	335	100%	100%					
		**Of patients who have had COVID-19 in the last 12 months								
8.17b	COVID-19	- previous								
		Yes	434	30.4%	31.1%					
		No	960	67.3%	68.9%					
		Missing	32	2.2%						
		Sum	1426	100%	100%					
8.17.2	COVID-19	hospital admission - previous**								
		Yes	24	5.5%	5.6%					
		No	408	94.0%	94.4%					
		Missing	2	0.5%						
		Sum	434	100%	100%					
		**Of patients who have had 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	67	4.7%	4.7%					
		No	1351	94.7%	95.3%					
		Missing	8	0.6%						
		Sum	1426	100%	100%					
9.2	Screened for	depression								
		Yes	143	10.0%	10.1%					
		No	1275	89.4%	89.9%					
		Missing	8	0.6%						
		Sum	1426	100%	100%					
9.3	Screened for	anxiety								
		Yes	124	8.7%	8.7%					
		No	1294	90.7%	91.3%					
		Missing	8	0.6%						
		Sum	1426	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									
		Currently smoke	124	8.7%	11.6%					
		Not currently smoking	948	66.5%	88.4%					
		Missing	354	24.8%						
		Sum	1426	100%	100%					
Q1.1.1	Smoking status - past**									
		Previously smoked	328	34.6%	36.8%					
		Previously did not smoke	563	59.4%	63.2%					
		Missing	57	6.0%						
		Sum	948	100%	100%					
		<i>**Of patients who are not current smokers</i>								
Q1.2	COVID-19 vaccination in the last 6 months									
		Yes	425	29.8%	39.4%					
		No	655	45.9%	60.6%					
		Missing	346	24.3%						
		Sum	1426	100%	100%					
Q1.3	Influenza vaccination in the last 12 months									
		Yes	748	52.5%	69.3%					
		No	332	23.3%	30.7%					
		Missing	346	24.3%						
		Sum	1426	100%	100%					
Q1.4	Pneumococcal vaccination is up to date									
		Yes	267	18.7%	24.8%					
		No	354	24.8%	32.9%					
		Unsure	454	31.8%	42.2%					
		Missing	351	24.6%						
		Sum	1426	100%	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	710	49.8%	65.6%					
		No	373	26.2%	34.4%					
		Missing	343	24.1%						
		Sum	1426	100%	100%					
Q2.2		Attended diabetes educator/nurse practitioner								
		Yes	718	50.4%	66.2%					
		No	367	25.7%	33.8%					
		Missing	341	23.9%						
		Sum	1426	100%	100%					
Q2.3		Attended dietitian								
		Yes	333	23.4%	30.7%					
		No	750	52.6%	69.3%					
		Missing	343	24.1%						
		Sum	1426	100%	100%					
Q2.4		Attended podiatrist								
		Yes	633	44.4%	58.4%					
		No	450	31.6%	41.6%					
		Missing	343	24.1%						
		Sum	1426	100%	100%					
Q2.5		Attended ophthalmologist								
		Yes	411	28.8%	38.4%					
		No	659	46.2%	61.6%					
		Missing	356	25.0%						
		Sum	1426	100%	100%					
Q2.6		Attended optometrist								
		Yes	789	55.3%	73.2%					
		No	289	20.3%	26.8%					
		Missing	348	24.4%						
		Sum	1426	100%	100%					
Q2.7		Attended psychologist/psychiatrist								
		Yes	129	9.0%	12.0%					
		No	950	66.6%	88.0%					
		Missing	347	24.3%						
		Sum	1426	100%	100%					
Q2.8		Attended social worker								
		Yes	77	5.4%	7.2%					
		No	999	70.1%	92.8%					
		Missing	350	24.5%						
		Sum	1426	100%	100%					
Q2.9		Attended dentist								
		Yes	486	34.1%	45.2%					
		No	590	41.4%	54.8%					
		Missing	350	24.5%						
		Sum	1426	100%	100%					
Q2.10		Attended physiologist/physiotherapist								
		Yes	234	16.4%	21.6%					
		No	850	59.6%	78.4%					
		Missing	342	24.0%						
		Sum	1426	100%	100%					
Q2.11		Needed an ambulance								
		Yes	60	4.2%	5.5%					
		No	1025	71.9%	94.5%					
		Missing	341	23.9%						
		Sum	1426	100%	100%					
Q2.12		Attended the emergency department								
		Yes	93	6.5%	8.6%					
		No	989	69.4%	91.4%					
		Missing	344	24.1%						
		Sum	1426	100%	100%					

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

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	185	13.0%	17.1%					
		No	897	62.9%	82.9%					
		Missing	344	24.1%						
		Sum	1426	100%	100%					
Q3.1.1		Number of times per week**								
		Number of times per week provided	164	88.6%	100.0%	2.0	3.4	3.8	1.0	30.0
		Missing	21	11.4%						
		Sum	185	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	735	51.5%	67.8%					
		No	349	24.5%	32.2%					
		Missing	342	24.0%						
		Sum	1426	100%	100%					
Q4.2		Self feet check								
		Daily	372	26.1%	35.1%					
		Weekly	270	18.9%	25.5%					
		Monthly	147	10.3%	13.9%					
		Rarely/Never	270	18.9%	25.5%					
		Missing	367	25.7%						
		Sum	1426	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	1009	70.8%	93.3%					
		No	72	5.0%	6.7%					
		Missing	345	24.2%						
		Sum	1426	100%	100%					
Q5.2		Enough time to prepare healthy meals								
		Yes	914	64.1%	84.6%					
		No	166	11.6%	15.4%					
		Missing	346	24.3%						
		Sum	1426	100%	100%					
Q5.3		Costs too much to eat healthy meals								
		Yes	387	27.1%	36.0%					
		No	689	48.3%	64.0%					
		Missing	350	24.5%						
		Sum	1426	100%	100%					
Q5.4	(T1DM)	Hard to count carbs/weigh food								
		Yes	135	34.0%	46.4%					
		No	156	39.3%	53.6%					
		Missing	106	26.7%						
		Sum	397	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	359	25.2%	33.1%					
		Less than 150 mins/week	355	24.9%	32.8%					
		Rarely/never	369	25.9%	34.1%					
		Missing	343	24.1%						
		Sum	1426	100%	100%					
Q6.2		Muscle strengthening								
		Yes	364	25.5%	33.7%					
		No	715	50.1%	66.3%					
		Missing	347	24.3%						
		Sum	1426	100%	100%					

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

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*	71.0%	3.8%	0.8%	0.0%	21.4%	3.1%

*Relates to the proportion of variables/fields according to the amount of missing data in each variable, e.g. 71.0% of variables had 5% or less of missing data.

TABLE 2. MISSING DATA BY FIELD AND DATA COLLECTION METHOD

Question No.	Question	All		Paper-based		REDCap	
		(n=1426)		(n=714)		(n=712)	
		n	%	n	%	n	%
Patient Demographics							
1.0	How was the consultation conducted?	6	0.4	2	0.3	4	0.6
1.1	Date of birth	1	0.1	1	0.1	0	0.0
1.2	Sex	0	0.0	0	0.0	0	0.0
1.2.1	Currently pregnant (of females aged 18-55 years)	2	0.9	1	0.8	1	1.1
1.3	Date of visit	0	0.0	0	0.0	0	0.0
1.4	NDSS registrant	13	0.9	2	0.3	11	1.5
1.5	Aboriginal/Torres Strait Islander	1	0.1	1	0.1	0	0.0
1.6	Initial visit	5	0.4	3	0.4	2	0.3
1.7	Interpreter required	0	0.0	0	0.0	0	0.0
1.8	Main language spoken at home	6	0.4	0	0.0	6	0.8
1.9	DVA	5	0.4	3	0.4	2	0.3
1.10	Country of birth	7	0.5	4	0.6	3	0.4
1.11	Residential postcode	7	0.5	5	0.7	2	0.3
Diabetes Type & Management							
2.1	Date of diagnosis	10	0.7	3	0.4	7	1.0
2.2	Type of diabetes	0	0.0	0	0.0	0	0.0
2.3	Blood glucose monitoring	2	0.1	0	0.0	2	0.3
2.3.1	Finger prick - Check as often as recommended	5	0.6	4	0.9	1	0.2
2.3.2	Finger prick - Number of times a day	30	3.3	7	1.6	23	5.1
2.3.3	Was the sensor worn for ≥14 days in the last 3 months?	1	0.3	0	0.0	1	0.6
2.3.3.1	If YES, percentage of time sensor was active	6	1.7	4	2.0	2	1.3
2.4	Management method	2	0.1	0	0.0	2	0.3
2.4.1	Insulin - duration	27	2.7	15	3.0	12	2.4
2.4.2	Insulin - mode	2	0.2	0	0.0	2	0.4
Weight & Height							
3.1	Weight	36	2.5	19	2.7	17	2.4
3.2	Height	72	5.0	44	6.2	28	3.9
Blood Pressure							
4.1	Blood pressure	110	7.7	78	10.9	32	4.5
4.1.1	Measured in clinic or self-reported	49	3.7	47	7.4	2	0.3
4.2	Anti-hypertensive treatment	0	0.0	0	0.0	0	0.0
4.2.1	Anti-hypertensive medications	0	0.0	0	0.0	0	0.0
Renal Function & Blood Glucose Control							
5.1	HbA1c	45	3.2	28	3.9	17	2.4
5.1.1	HbA1c - Test date	520	37.7	208	30.3	312	45.5
5.2	eGFR	468	32.8	220	30.8	248	34.8

Question No.	Question	All		Paper-based		REDCap	
		(n=1426)		(n=714)		(n=712)	
		n	%	n	%	n	%
5.3	Serum creatinine	118	8.3	69	9.7	49	6.9
5.4a	Urinary albumin	507	35.6	298	41.7	209	29.4
5.4b	Urinary protein	1277	89.6	622	87.1	655	92.0
Medications & Lipids							
6.1	Aspirin	3	0.2	1	0.1	2	0.3
6.2	Other anti-platelets	3	0.2	1	0.1	2	0.3
6.3	Anti-coagulants	3	0.2	1	0.1	2	0.3
6.4	Lipid modifying therapy	3	0.2	1	0.1	2	0.3
6.4.1	On lipid modifying therapy - Statin	0	0.0	0	0.0	0	0.0
6.4.2	On lipid modifying therapy - Fibrate	5	0.5	4	0.9	1	0.2
6.4.3	On lipid modifying therapy - Ezetimibe	4	0.4	4	0.9	0	0.0
6.4.4	On lipid modifying therapy - Fish oil	3	0.3	3	0.7	0	0.0
6.4.5	On lipid modifying therapy - PCSK9 inhibitor	4	0.4	4	0.9	0	0.0
6.5	Lipids measured	0	0.0	0	0.0	0	0.0
6.5.1	Lipids measured - Total cholesterol	4	0.4	1	0.2	3	0.5
6.5.2	Lipids measured - LDL	118	10.9	73	14.3	45	8.0
6.5.3	Lipids measured - HDL	99	9.2	55	10.7	44	7.8
6.5.4	Lipids measured - Triglycerides	11	1.0	8	1.6	3	0.5
Diabetes Related Eye & Foot Complications							
7.1a	Retinopathy - last 12 months	4	0.3	2	0.3	2	0.3
7.1b	Retinopathy - previous	4	0.3	2	0.3	2	0.3
7.2a	Retinopathy treatment - last 12 months	3	0.2	1	0.1	2	0.3
7.2b	Retinopathy treatment - previous	3	0.2	1	0.1	2	0.3
7.3a	Cataract - last 12 months	2	0.1	0	0.0	2	0.3
7.3b	Cataract - previous	2	0.1	0	0.0	2	0.3
7.4a	Blindness - last 12 months	2	0.1	0	0.0	2	0.3
7.4b	Blindness - previous	3	0.2	1	0.1	2	0.3
7.5a	Peripheral neuropathy - last 12 months	2	0.1	0	0.0	2	0.3
7.5b	Peripheral neuropathy - previous	2	0.1	0	0.0	2	0.3
7.6a	Foot ulceration - last 12 months	2	0.1	0	0.0	2	0.3
7.6b	Foot ulceration - previous	2	0.1	0	0.0	2	0.3
7.7a	Lower limb amputation - last 12 months	2	0.1	0	0.0	2	0.3
7.7.1	Minor/major - last 12 months	0	0.0	0	0.0	0	0.0
7.7b	Lower limb amputation - previous	2	0.1	0	0.0	2	0.3
7.7.2	Minor/major - previous	0	0.0	0	0.0	0	0.0
Other Complications/Events/Comorbidities							
8.1a	Cerebral stroke - last 12 months	2	0.1	0	0.0	2	0.3
8.1b	Cerebral stroke - previous	4	0.3	2	0.3	2	0.3
8.2a	Myocardial infarction - last 12 months	2	0.1	0	0.0	2	0.3
8.2b	Myocardial infarction - previous	3	0.2	1	0.1	2	0.3
8.3a	CABG/Angioplasty - last 12 months	2	0.1	0	0.0	2	0.3
8.3b	CABG/Angioplasty - previous	2	0.1	0	0.0	2	0.3
8.4a	Congestive cardiac failure - last 12 months	2	0.1	0	0.0	2	0.3
8.4b	Congestive cardiac failure - previous	2	0.1	0	0.0	2	0.3

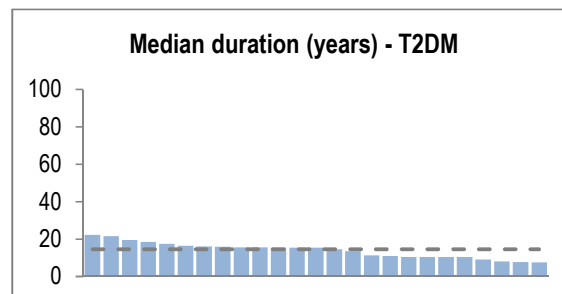
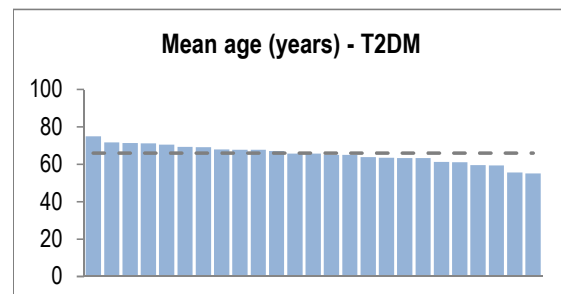
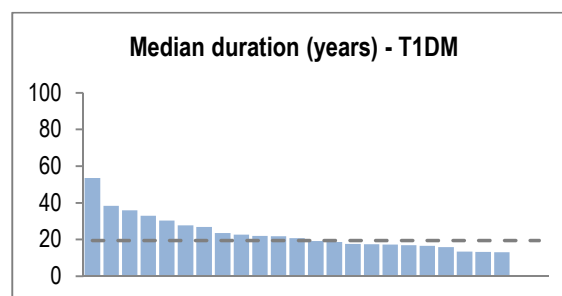
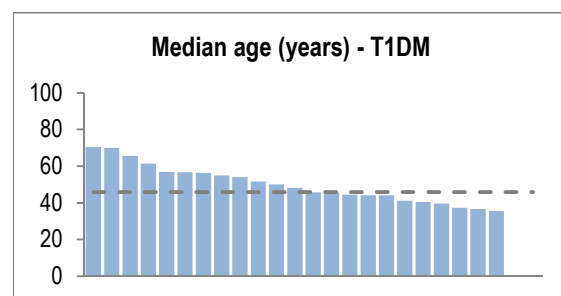
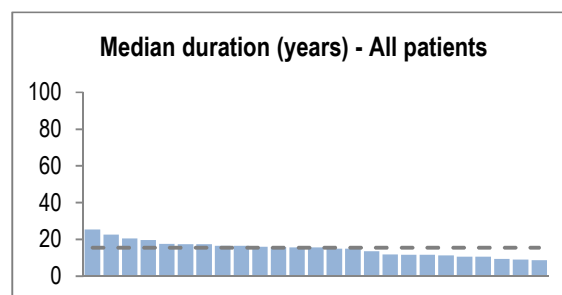
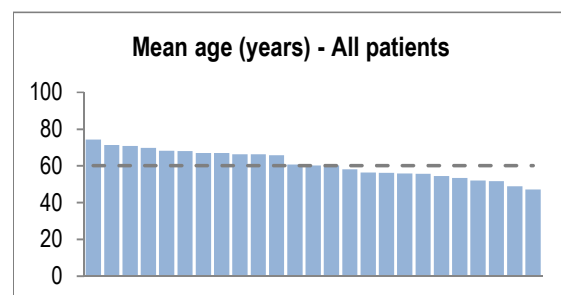
Question No.	Question	All (n=1426)		Paper-based (n=714)		REDCap (n=712)	
		n	%	n	%	n	%
8.5a	Peripheral vascular disease - last 12 months	2	0.1	0	0.0	2	0.3
8.5b	Peripheral vascular disease - previous	2	0.1	0	0.0	2	0.3
8.6a	End stage renal disease - last 12 months	2	0.1	0	0.0	2	0.3
8.6b	End stage renal disease - previous	2	0.1	0	0.0	2	0.3
8.7a	Sexual dysfunction - last 12 months	18	1.3	1	0.1	17	2.4
8.7b	Sexual dysfunction - previous	18	1.3	0	0.0	18	2.5
8.8a	Dementia - last 12 months	3	0.2	1	0.1	2	0.3
8.8b	Dementia - previous	2	0.1	0	0.0	2	0.3
8.9a	Depression - last 12 months	3	0.2	0	0.0	3	0.4
8.9b	Depression - previous	3	0.2	0	0.0	3	0.4
8.10a	Anxiety - last 12 months	2	0.1	0	0.0	2	0.3
8.10b	Anxiety - previous	3	0.2	0	0.0	3	0.4
8.11a	Malignancy - last 12 months	2	0.1	0	0.0	2	0.3
8.11b	Malignancy - previous	3	0.2	1	0.1	2	0.3
8.12a	Diabetic ketoacidosis - last 12 months	2	0.1	0	0.0	2	0.3
8.12b	Diabetic ketoacidosis - previous	2	0.1	0	0.0	2	0.3
8.13a	Hyperosmolar hyperglycaemic state - last 12 months	2	0.1	0	0.0	2	0.3
8.13b	Hyperosmolar hyperglycaemic state - previous	2	0.1	0	0.0	2	0.3
8.14a	Impaired awareness of hypoglycaemia - last 12 months	2	0.1	0	0.0	2	0.3
8.14b	Impaired awareness of hypoglycaemia - previous	2	0.1	0	0.0	2	0.3
8.15a	Severe hypoglycaemic state - last 12 months	3	0.2	1	0.1	2	0.3
8.15.1	Severe hypoglycaemic state episodes - last 12 months	1	1.7	1	2.9	0	0.0
8.15b	Severe hypoglycaemic state - previous	3	0.2	1	0.1	2	0.3
8.16	Liver disease	9	0.6	7	1.0	2	0.3
8.17a	COVID-19 - last 12 months	28	2.0	10	1.4	18	2.5
8.17.1	COVID-19 hospitalisation- last 12 months	2	0.6	2	1.4	0	0.0
8.17b	COVID-19 - previous	32	2.2	15	2.1	17	2.4
8.17.2	COVID-19 hospitalisation - previous	2	0.5	2	0.5	0	0.0
Mental Health Screening							
9.1	Screened for diabetes distress	8	0.6	2	0.3	6	0.8
9.2	Screened for depression	8	0.6	2	0.3	6	0.8
9.3	Screened for anxiety	8	0.6	2	0.3	6	0.8

Question No.	Question	All		Paper-based		REDCap	
		(n=1426)		(n=714)		(n=712)	
		n	%	n	%	n	%
Patient Questionnaire - Smoking & Vaccination Status							
Q1.1	Currently smoke	354	24.8	172	24.1	182	25.6
Q1.1.1	Previously smoked	57	6.0	52	10.7	5	1.1
Q1.2	COVID-19 vaccination - last 6 months	346	24.3	163	22.8	183	25.7
Q1.3	Flu vaccination - last 12 months	346	24.3	164	23.0	182	25.6
Q1.4	Pneumococcal vaccination - up to date	351	24.6	169	23.7	182	25.6
Patient Questionnaire - Health Professional Attendances							
Q2.1	Endocrinologist	343	24.1	163	22.8	180	25.3
Q2.2	Diabetes educator/Nurse practitioner	341	23.9	160	22.4	181	25.4
Q2.3	Dietitian	343	24.1	161	22.5	182	25.6
Q2.4	Podiatrist	343	24.1	163	22.8	180	25.3
Q2.5	Ophthalmologist	356	25.0	176	24.6	180	25.3
Q2.6	Optometrist	348	24.4	163	22.8	185	26.0
Q2.7	Psychologist/Psychiatrist	347	24.3	166	23.2	181	25.4
Q2.8	Social worker	350	24.5	167	23.4	183	25.7
Q2.9	Dentist	350	24.5	169	23.7	181	25.4
Q2.10	Exercise physiologist/Physiotherapist	342	24.0	161	22.5	181	25.4
Q2.11	Needed an Ambulance for diabetes	341	23.9	160	22.4	181	25.4
Q2.12	Attended the Emergency Department for diabetes	344	24.1	163	22.8	181	25.4
Patient Questionnaire - Medication Use							
Q3.1	Forget to take medications	344	24.1	162	22.7	182	25.6
Q3.1.1	Forget to take medications - Times per week	21	1.5	18	2.5	3	0.4
Patient Questionnaire - Foot Care							
Q4.1	Feet check	342	24.0	162	22.7	180	25.3
Q4.2	Feet self-check	367	25.7	181	25.4	186	26.1
Patient Questionnaire - Nutrition/Diet Management							
Q5.3	Not knowing what foods are best to eat	345	24.2	163	22.8	182	25.6
Q5.4	Don't have enough time to prepare healthy meals	346	24.3	164	23.0	182	25.6
Q5.5	Costs too much to eat well	350	24.5	168	23.5	182	25.6
Q5.6	(T1DM) Too hard to count carbs/weigh food	954	66.9	457	64.0	497	69.8
Patient Questionnaire - Physical Activity							
Q5.1	Moderate/vigorous intensity physical activity	637	44.7	323	45.2	314	44.1
Q5.2	Muscle strengthening exercise	347	24.3	165	23.1	182	25.6

DESCRIPTIVE REPORT

Mean age and median duration by diabetes type

Diabetes type	Age (years)					Duration (years)		
	n	Mean	SD	Min	Max	n	Median	IQR
T1DM	396	45.9	17.6	18.0	86.5	397	19.5	9.4 - 31.7
T2DM	988	66.0	13.1	18.5	99.5	978	14.6	7.7 - 23.5
Other	38	58.9	16.5	27.5	88.6	38	6.5	2.5 - 13.1
Don't know	3	43.8	17.8	25.2	60.7	3	5.2	2.8 - 14.3
Total	1425	60.2	17.1	18.0	99.5	1416	15.5	8.0 - 23.7



X-axis: All sites (Descending order)

Sex by diabetes type

Diabetes type	Males			Females			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	201	50.6	25.6	196	49.4	30.6	397	27.8
T2DM	558	56.5	71.2	429	43.4	66.9	988	69.3
Other	24	63.2	3.1	14	36.8	2.2	38	2.7
Don't know	1	33.3	0.1	2	66.7	0.3	3	0.2
Total	784	55.0		641	45.0		1426	

Currently pregnant* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	12	9.2	85.7	118	90.8	55.9	130	57.8
T2DM	2	2.3	14.3	84	97.7	39.8	86	38.2
Other	0	0.0	0.0	7	100.0	3.3	7	3.1
Don't know	0	0.0	0.0	2	100.0	0.9	2	0.9
Total	14	6.2		211	93.8		225	

*Females aged 18-55 years

Consultation method by diabetes type

Diabetes type	In person			Video			Phone			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	341	86.3	28.0	24	6.1	42.9	30	7.6	20.4	395	27.9
T2DM	847	86.1	69.6	28	2.8	50.0	109	11.1	74.1	984	69.4
Other	26	68.4	2.1	4	10.5	7.1	8	21.1	5.4	38	2.7
Don't know	3	100.0	0.2	0	0.0	0.0	0	0.0	0.0	3	0.2
Total	1217	85.9		56	4.0		147	10.4		1420	

Initial visit by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	31	7.8	21.7	365	92.2	28.6	396	27.9
T2DM	108	11.0	75.5	877	89.0	68.6	985	69.3
Other	4	10.8	2.8	33	89.2	2.6	37	2.6
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	143	10.1		1278	89.9		1421	

X-axis: All sites (Descending order)

Main language English, spoken at home by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	365	92.2	30.6	31	7.8	13.6	396	27.9
T2DM	797	81.1	66.9	186	18.9	81.6	983	69.2
Other	29	76.3	2.4	9	23.7	3.9	38	2.7
Don't know	1	33.3	0.1	2	66.7	0.9	3	0.2
Total	1192	83.9		228	16.1		1420	

Interpreter required by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	11	2.8	15.3	386	97.2	28.5	397	27.8
T2DM	57	5.8	79.2	931	94.2	68.8	988	69.3
Other	4	10.5	5.6	34	89.5	2.5	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	72	5.0		1354	95.0		1426	

Aboriginal/Torres Strait Islander status by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	13	3.3	28.9	384	96.7	27.8	397	27.9
T2DM	29	2.9	64.4	958	97.1	69.4	987	69.3
Other	3	7.9	6.7	35	92.1	2.5	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	45	3.2		1380	96.8		1425	

Australian born by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	313	78.8	32.8	84	21.2	18.1	397	28.0
T2DM	619	63.0	64.9	364	37.0	78.3	983	69.3
Other	21	58.3	2.2	15	41.7	3.2	36	2.5
Don't know	1	33.3	0.1	2	66.7	0.4	3	0.2
Total	954	67.2		465	32.8		1419	

X-axis: All sites (Descending order)

NDSS registrant by diabetes type

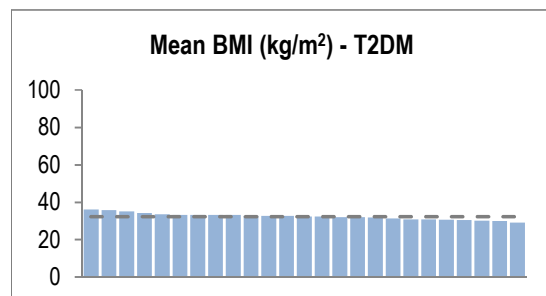
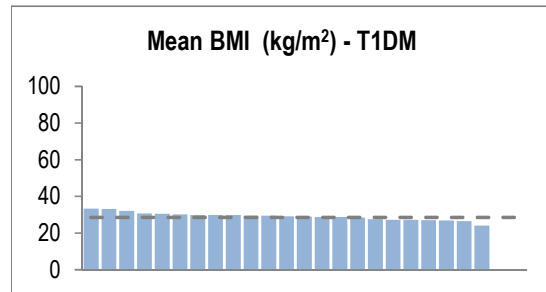
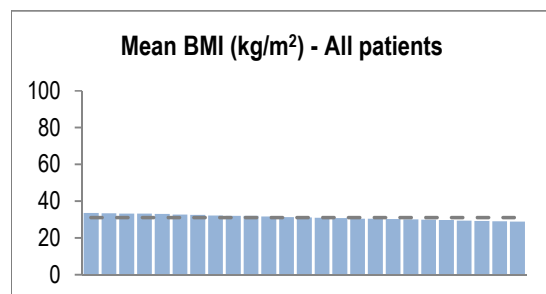
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	385	97.2	28.8	11	2.8	14.1	396	28.0
T2DM	915	93.8	68.5	61	6.3	78.2	976	69.1
Other	33	86.8	2.5	5	13.2	6.4	38	2.7
Don't know	2	66.7	0.1	1	33.3	1	3	0.2
Total	1335	94.5		78	5.5		1413	

DVA by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	3	0.8	33.3	393	99.2	27.8	396	27.9
T2DM	6	0.6	66.7	978	99.4	69.3	984	69.2
Other	0	0.0	0.0	38	100.0	2.7	38	2.7
Don't know	0	0.0	0.0	3	100.0	0	3	0.2
Total	9	0.6		1412	99.4		1421	

Mean BMI by diabetes type

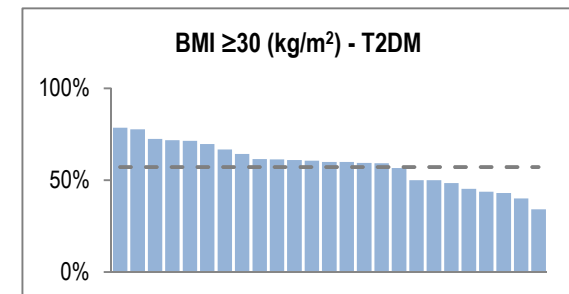
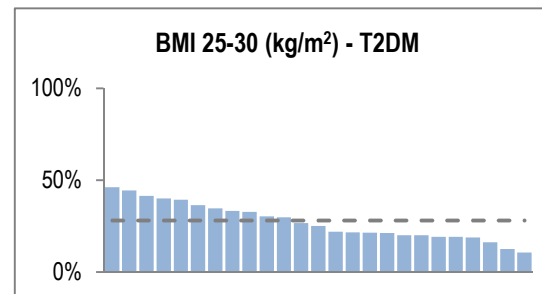
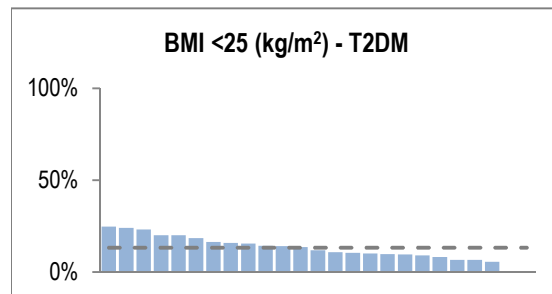
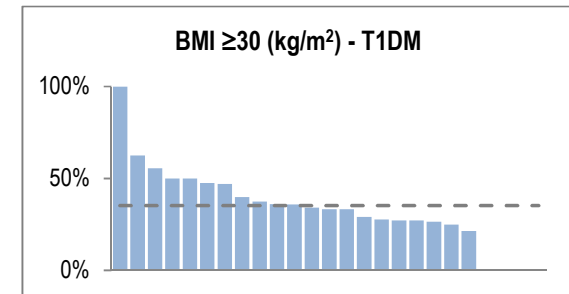
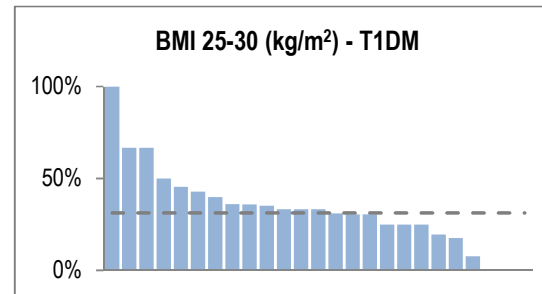
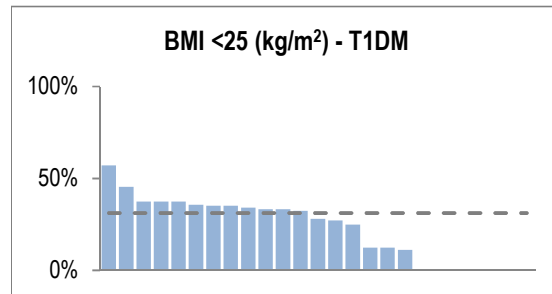
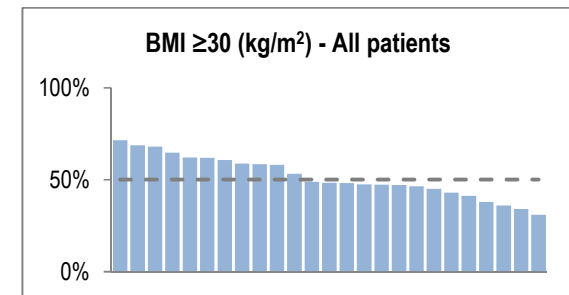
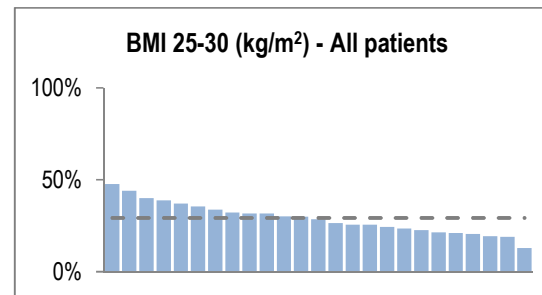
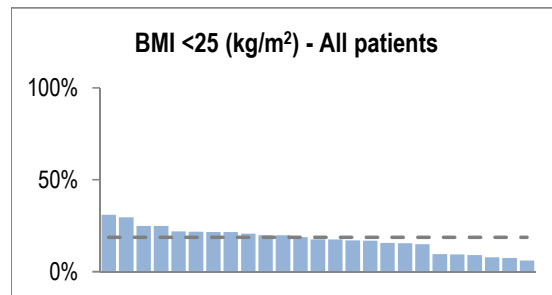
Diabetes type	BMI (kg/m ²)				
	n	Mean	SD	Min	Max
T1DM	369	28.6	6.1	16.1	55.2
T2DM	936	32.3	7.5	15.0	69.9
Other	37	27.7	6.2	18.4	45.7
Don't know	3	26.8	4.3	21.9	30.1
Total	1345	31.1	7.3	15.0	69.9



X-axis: All sites (Descending order)

BMI by diabetes type

Diabetes type	<25 (kg/m ²)			25-30 (kg/m ²)			≥30 (kg/m ²)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	115	31.2	45.6	124	33.6	29.7	130	35.2	19.3	369	27.4
T2DM	124	13.2	49.2	277	29.6	66.3	535	57.2	79.3	936	69.6
Other	12	32.4	4.8	16	43.2	3.8	9	24.3	1.3	37	2.8
Don't know	1	33.3	0.4	1	33.3	0.2	1	33.3	0.1	3	0.2
Total	252	18.7		418	31.1		675	50.2		1345	

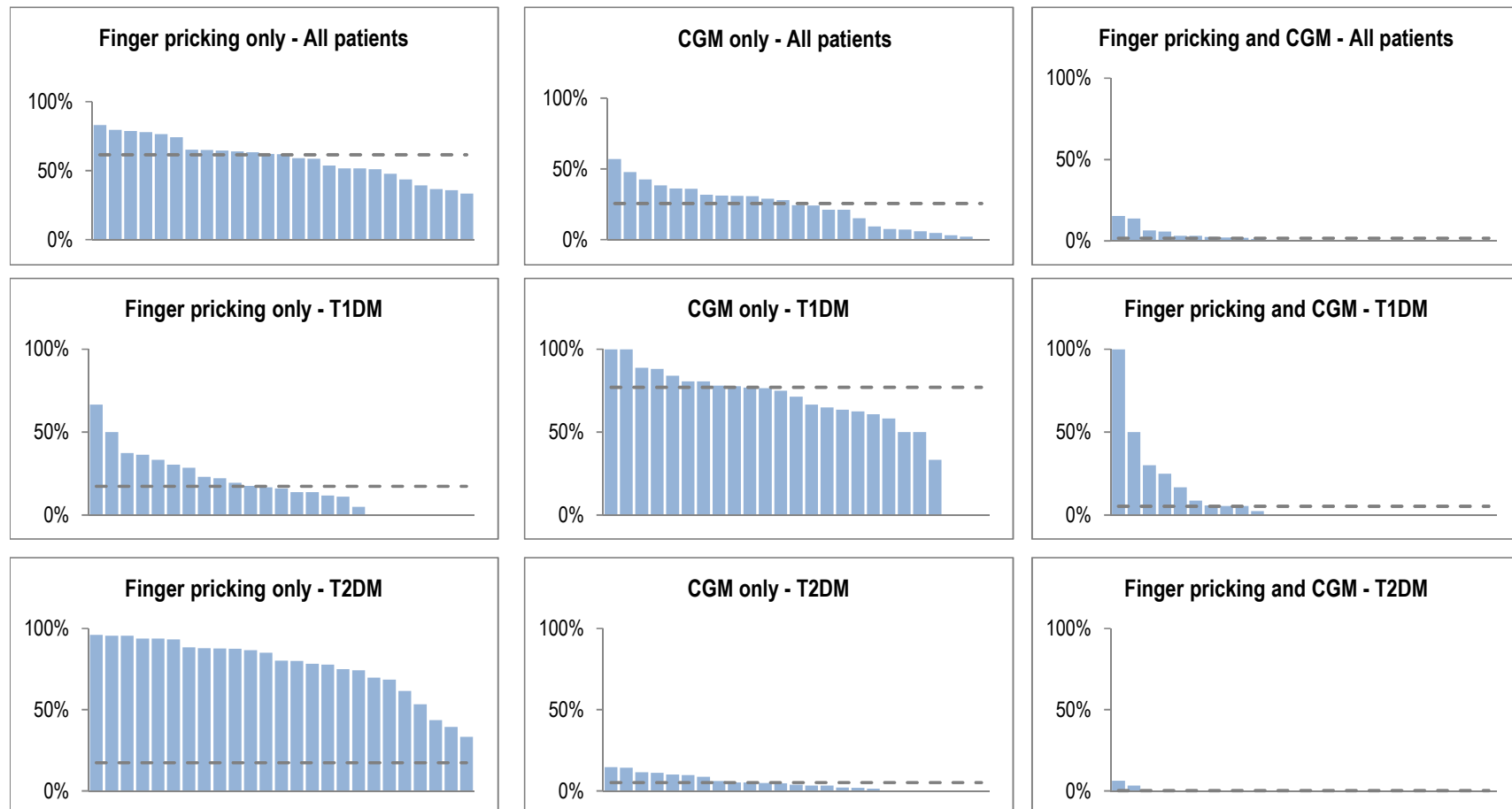


X-axis: All sites (Descending order)

Methods of blood glucose monitoring

Diabetes type	None (not graphed)			Finger pricking only			CGM only			Finger pricking & CGM			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	1	0.3	0.6	69	18.4	7.9	306	81.4	84.3	21	5.6	87.5	376	26.9
T2DM	157	16.0	96.9	776	78.9	88.7	51	5.2	14.0	2	0.2	8.3	984	70.3
Other	4	10.5	2.5	28	73.7	3.2	6	15.8	1.7	0	0.0	0.0	38	2.7
Don't know	0	0.0	0.0	2	100.0	0.2	0	0.0	0.0	1	50.0	4.2	2	0.1
Total	162	11.6		875	62.5		363	25.9		24	1.7		1400	

*Multiple methods reported by some patients

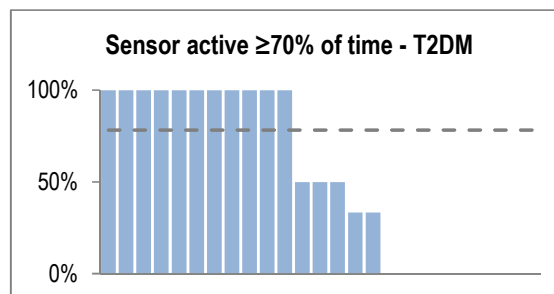
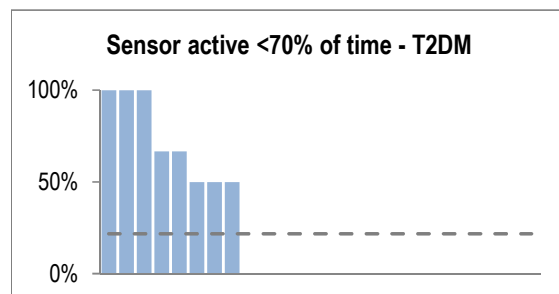
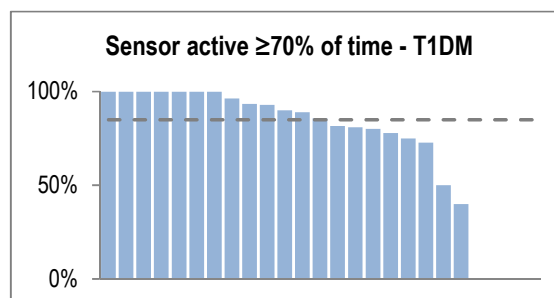
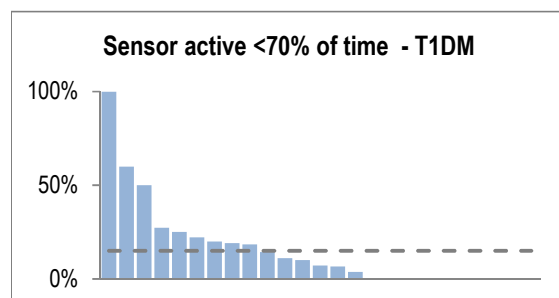
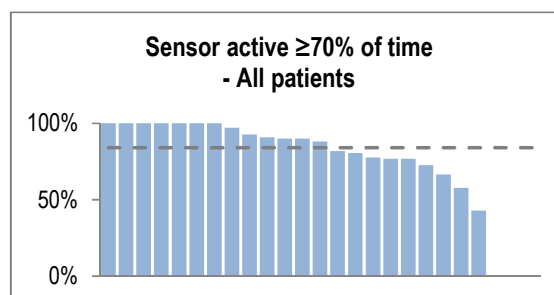
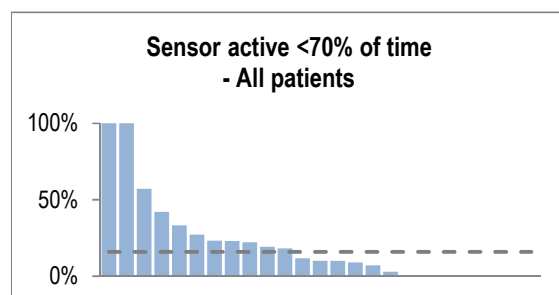


X-axis: All sites (Descending order)

Proportion of time using active blood glucose monitoring sensors*

Diabetes type	<70%			≥70%			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	44	15.0	36.7	249	85.0	85.6	293	20.9
T2DM	10	21.7	8.3	36	78.3	12.4	46	3.3
Other	1	16.7	0.8	5	83.3	1.7	6	0.4
Don't know	0	0.0	0.0	1	100.0	0.3	1	0.1
Total	55	15.9		291	84.1		346	

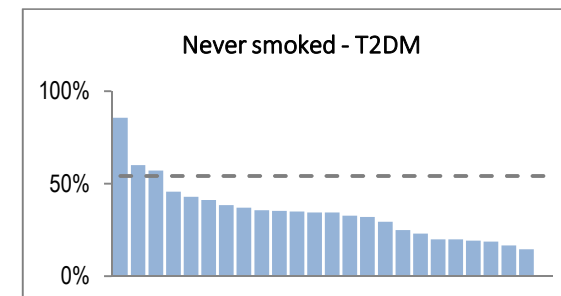
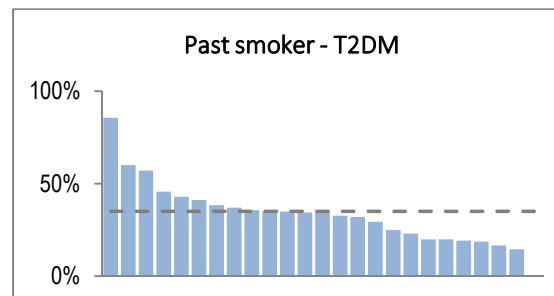
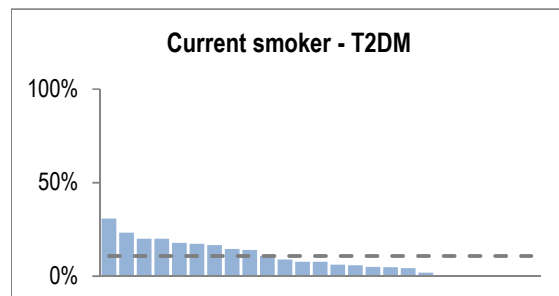
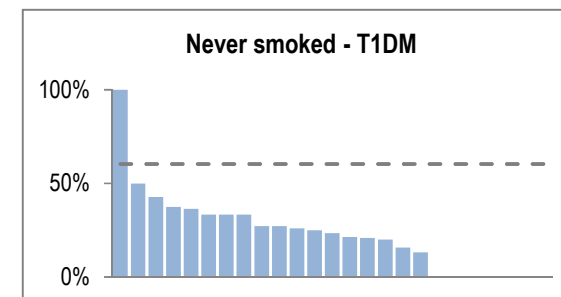
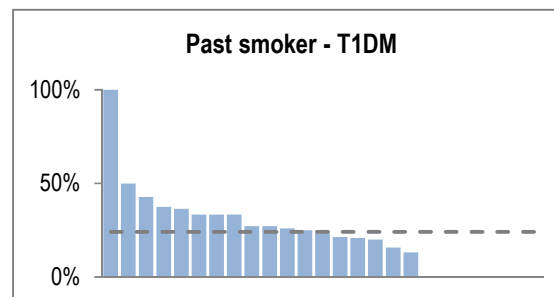
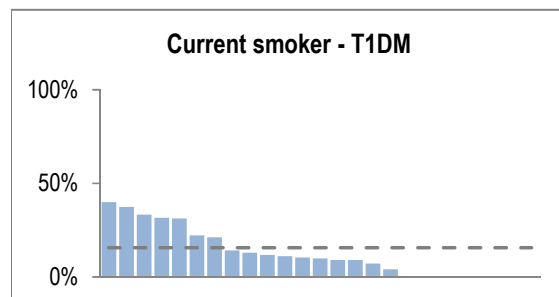
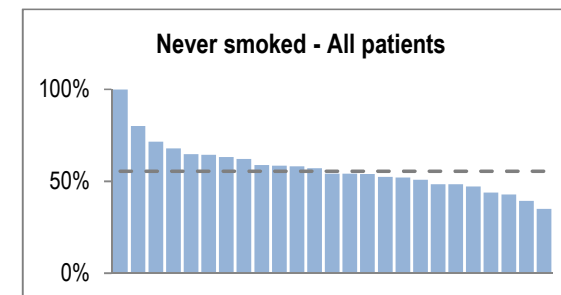
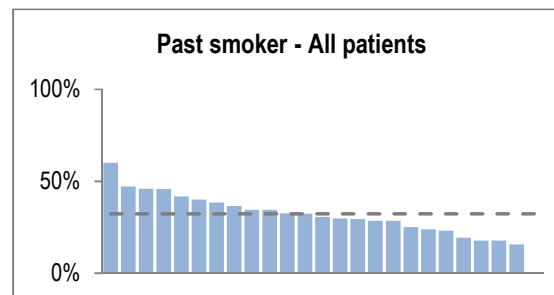
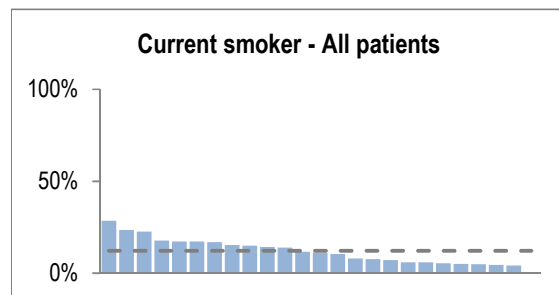
*Of patients using flash/continuous glucose monitoring, and sensor worn for ≥14 days in the last 3 months



X-axis: All sites (Descending order)

Smoking status by diabetes type

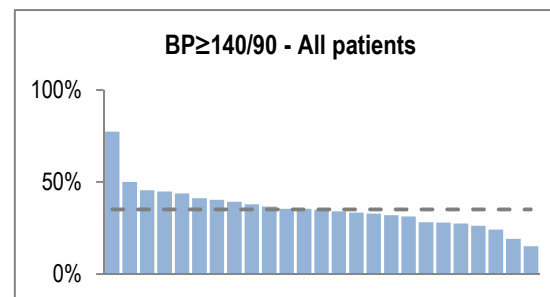
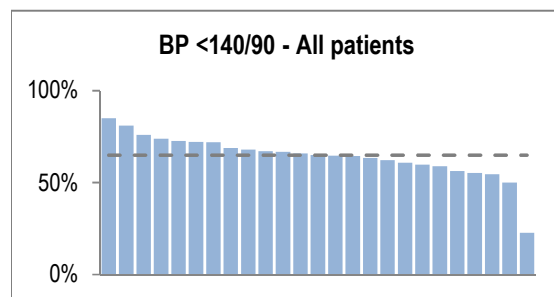
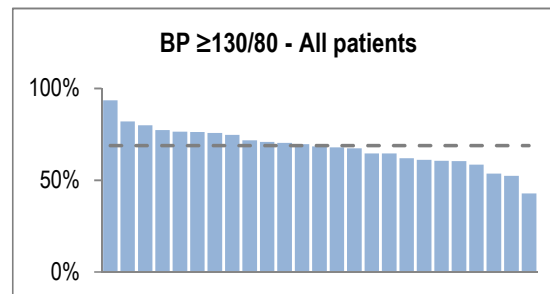
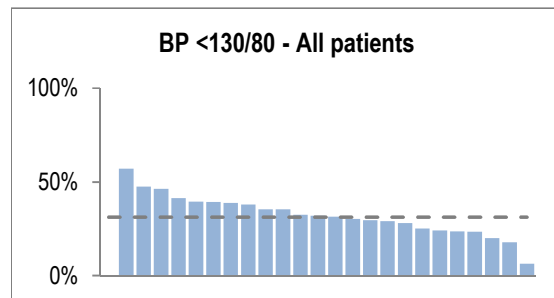
Diabetes type	Current smoker			Past smoker			Never smoked			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	44	15.6	35.5	68	24.1	20.7	170	60.3	30.2	282	27.8
T2DM	76	10.8	61.3	246	35.0	75.0	380	54.1	67.5	702	69.2
Other	4	14.3	3.2	12	42.9	3.7	12	42.9	2.1	28	2.8
Don't know	0	0.0	0.0	2	66.7	0.6	1	33.3	0.2	3	0.3
Total	124	12.2		328	32.3		563	55.5		1015	



X-axis: All sites (Descending order)

Age by blood pressure level

Age	<130/80		≥130/80		<140/90		≥140/90	
	n	C%	n	C%	n	C%	n	C%
≤60 years	165	40.2	341	37.6	353	41.3	153	33.1
>60 years	244	59.5	565	62.4	500	58.5	309	66.9
Total	410		906		854		462	

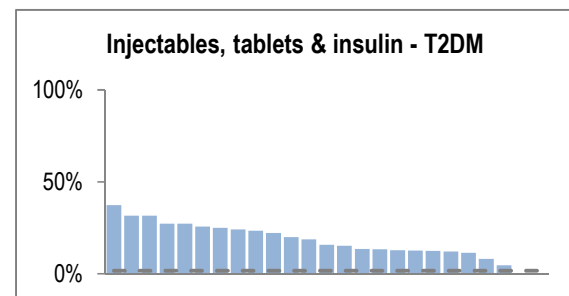
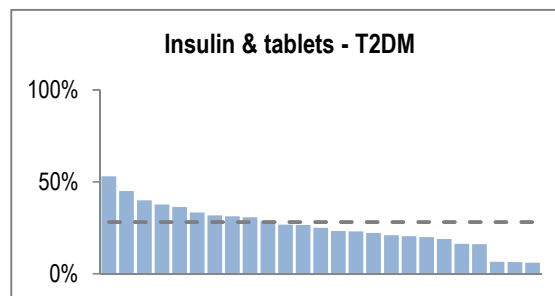
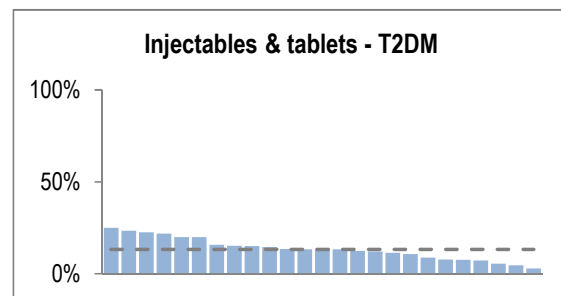
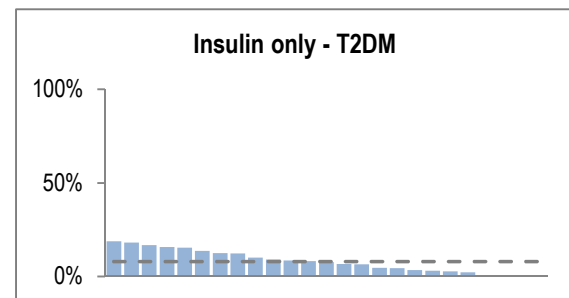
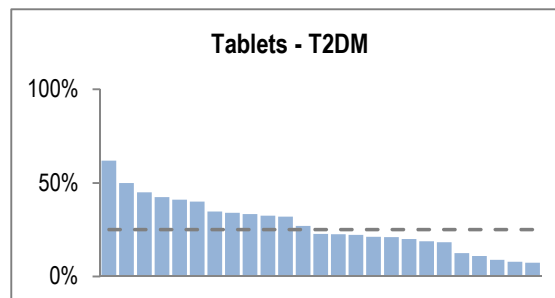


X-axis: All sites (Descending order)

Treatment by diabetes type

Diabetes type	Diet only			Tablets			Insulin			Insulin & tablets			Injectables (not graphed)		
	n	R%	C%	n	R%	C%	n	R%	C%	n	R%	C%	n	R%	C%
T1DM	0	0.0	0.0	0	0.0	0.0	346	87.2	77.9	44	11.1	13.3	0	0.0	0.0
T2DM	40	4.0	97.6	248	25.1	96.5	79	8.0	17.8	278	28.1	84.2	7	0.7	77.8
Other	1	2.6	2.4	9	23.7	3.5	18	47.4	4.1	8	21.1	2.4	2	5.3	22.2
Don't know	0	0.0	0.0	0	0.0	0.0	1	33.3	0.2	0	0.0	0.0	0	0.0	0.0
Total	41	2.9		257	18.0		444	31.1		330	23.1		9	0.6	

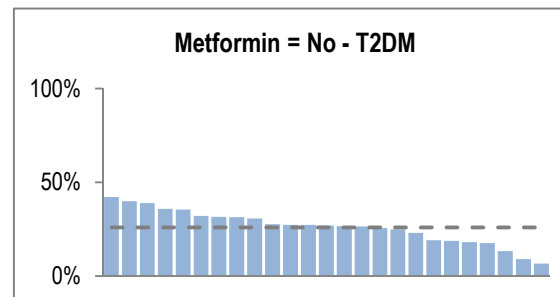
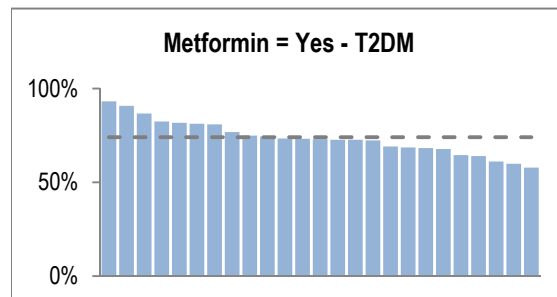
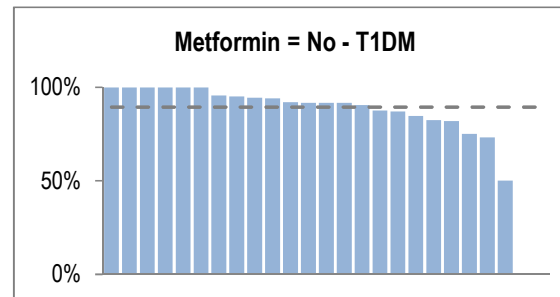
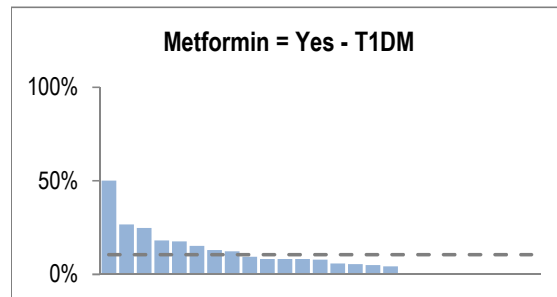
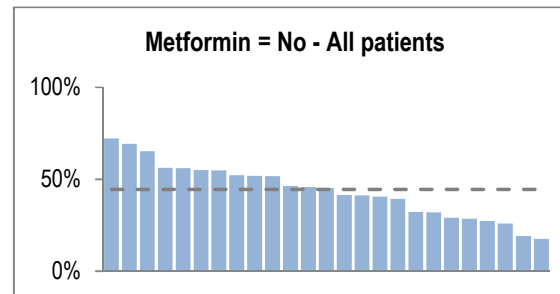
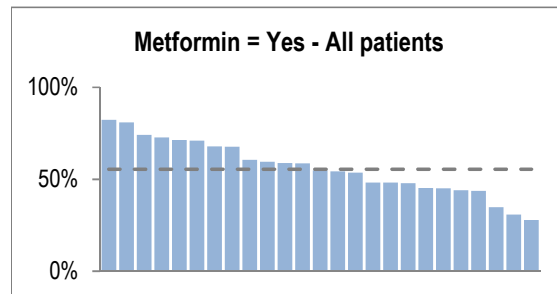
Diabetes type	Injectables & insulin (not graphed)			Injectables & tablets			Injectables, tablets & insulin			Unstated (not graphed)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	3	0.8	15.0	0	0.0	0.0	4	1.0	2.1	0	0.0	0.0	397	27.8
T2DM	16	1.6	80.0	131	13.3	100.0	187	18.9	97.4	2	0.2	100.0	988	69.3
Other	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	38	2.7
Don't know	1	33.3	5.0	0	0.0	0.0	1	33.3	0.5	0	0.0	0.0	3	0.2
Total	20	1.4		131	9.2		192	13.5		2	0.1		1426	



X-axis: All sites (Descending order)

Metformin use by diabetes type

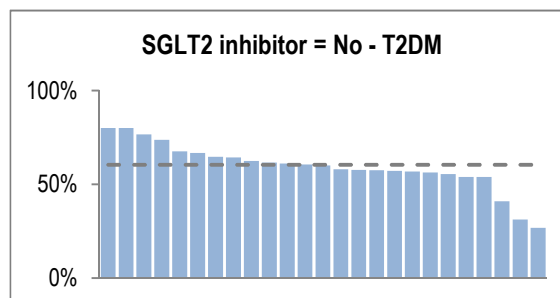
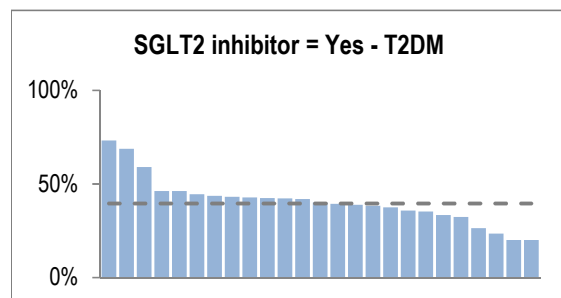
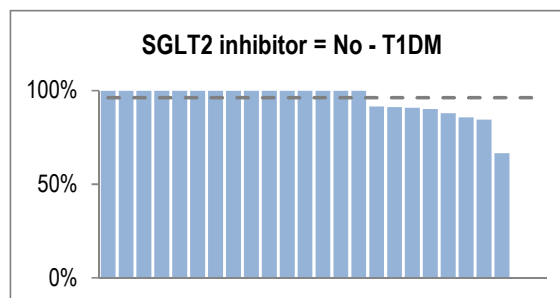
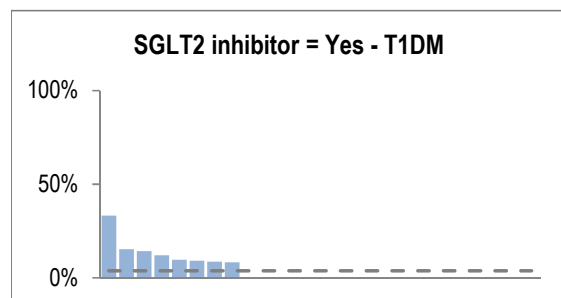
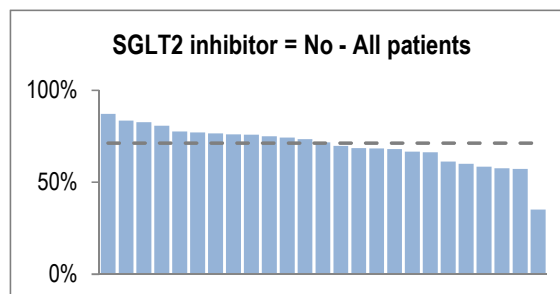
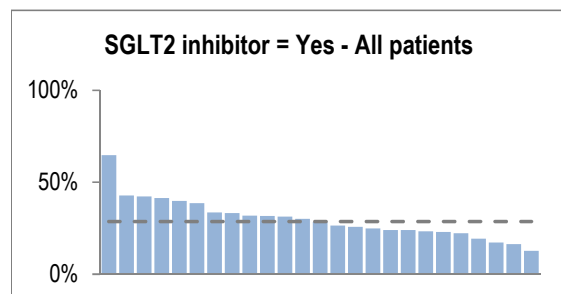
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	42	10.6	5.3	355	89.4	55.9	397	27.8
T2DM	732	74.1	92.5	256	25.9	40.3	988	69.3
Other	16	42.1	2.0	22	57.9	3.5	38	4.0
Don't know	1	33.3	0.1	2	66.7	0.3	3	0.2
Total	791	55.5		635	44.5		1426	



X-axis: All sites (Descending order)

SGLT2 inhibitor use by diabetes type

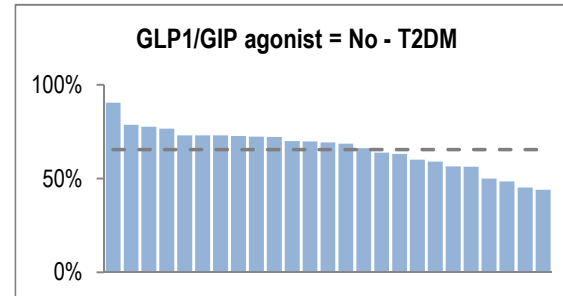
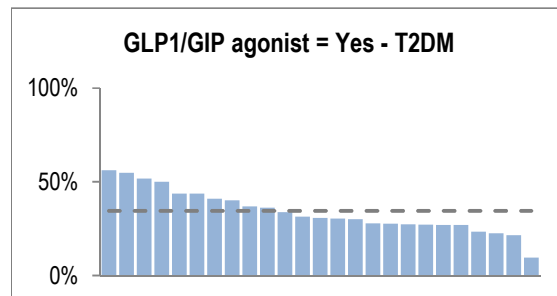
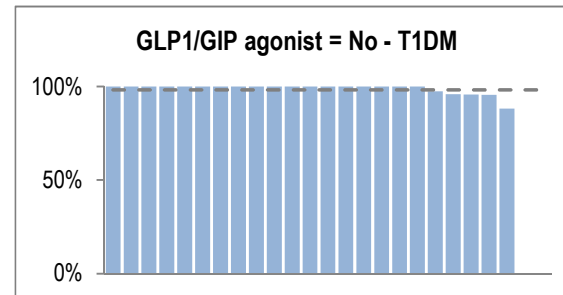
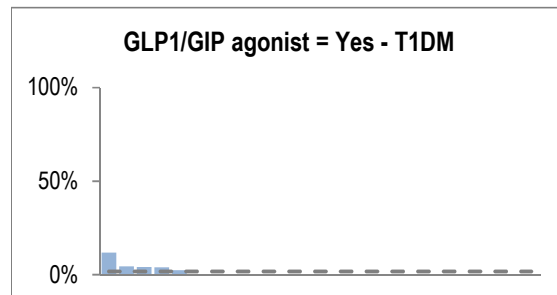
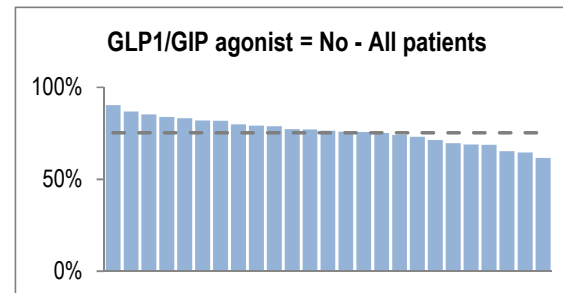
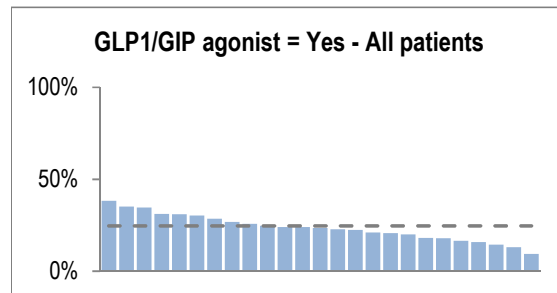
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	15	3.8	3.7	382	96.2	37.6	397	27.8
T2DM	391	39.6	95.6	597	60.4	58.7	988	69.3
Other	3	7.9	0.7	35	92.1	3.4	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.3	3	0.2
Total	409	28.7		1017	71.3		1426	



X-axis: All sites (Descending order)

GLP1/GIP agonist use by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	7	1.8	2.0	390	98.2	36.3	397	27.8
T2DM	341	34.5	96.9	647	65.5	60.2	988	69.3
Other	2	5.3	0.6	36	94.7	3.4	38	2.7
Don't know	2	66.7	0.6	1	33.3	0.1	3	0.2
Total	352	24.7		1074	75.3		1426	



X-axis: All sites (Descending order)

DPP4 inhibitor use by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	3	0.8	1.2	394	99.2	33.6	397	27.8
T2DM	246	24.9	96.9	742	75.1	63.3	988	69.3
Other	5	13.2	2.0	33	86.8	2.8	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.3	3	0.2
Total	254	17.8		1172	82.2		1426	

Sulphonylurea use by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	0	0.0	0.0	397	100.0	33.4	397	27.8
T2DM	233	23.6	98.7	755	76.4	63.4	988	69.3
Other	3	7.9	1.3	35	92.1	2.9	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.3	3	0.2
Total	236	16.5		1190	83.5		1426	

Acarbose use by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	0	0.0	0.0	397	100.0	28.1	397	27.8
T2DM	12	1.2	92.3	976	98.8	69.1	988	69.3
Other	1	2.6	7.7	37	97.4	2.6	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	13	0.9		1413	99.1		1426	

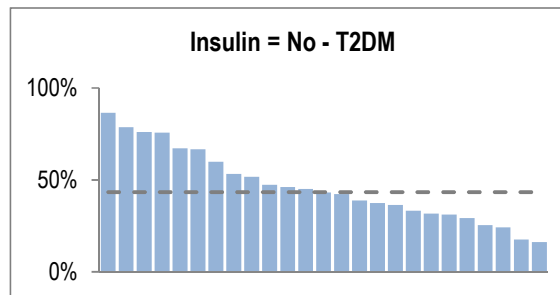
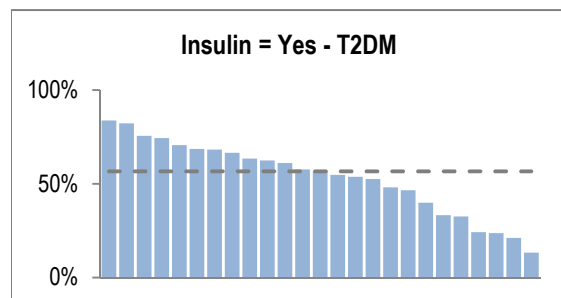
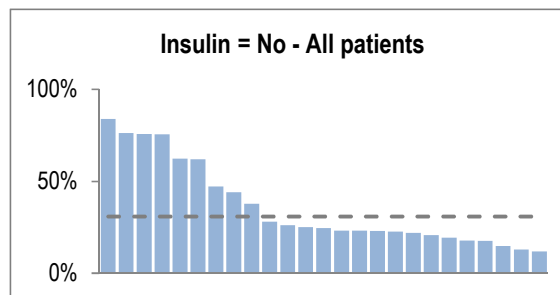
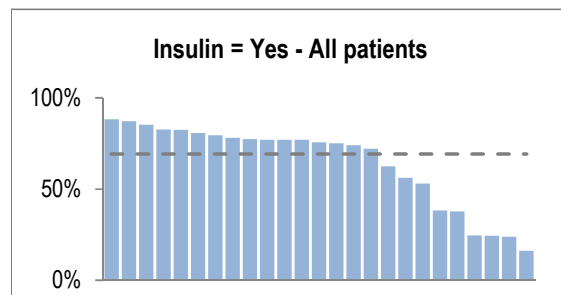
Thiazolidinedione use by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	0	0.0	0.0	397	100.0	27.9	397	27.8
T2DM	1	0.1	50.0	987	99.9	69.3	988	69.3
Other	1	2.6	50.0	37	97.4	2.6	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	2	0.1		1424	99.9		1426	

X-axis: All sites (Descending order)

Insulin use by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	397	100.0	40.3	0	0.0	0.0	397	27.8
T2DM	560	56.7	56.8	428	43.3	97.3	988	69.3
Other	26	68.4	2.6	12	31.6	2.7	38	2.7
Don't know	3	100.0	0.3	0	0.0	0.0	3	0.2
Total	986	69.1		440	30.9		1426	

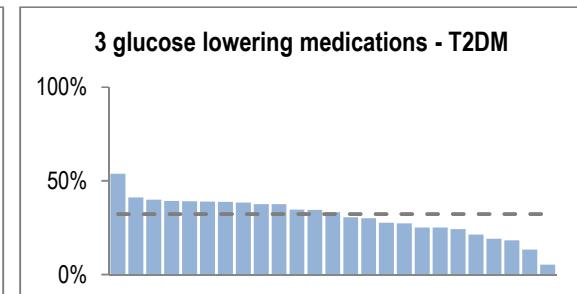
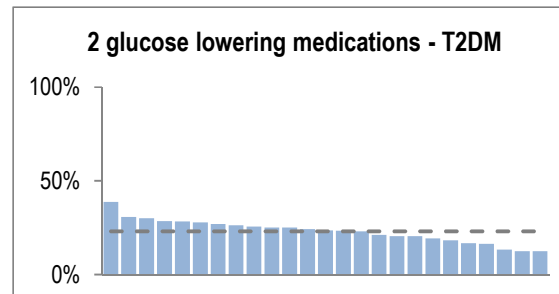
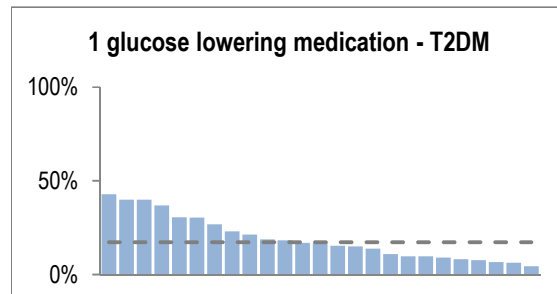
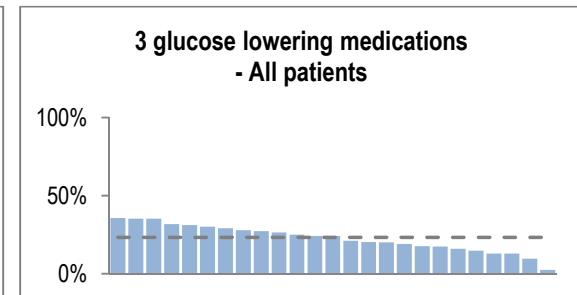
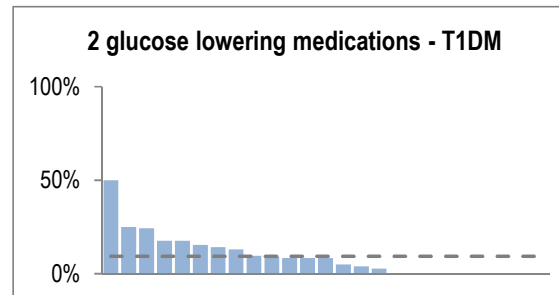
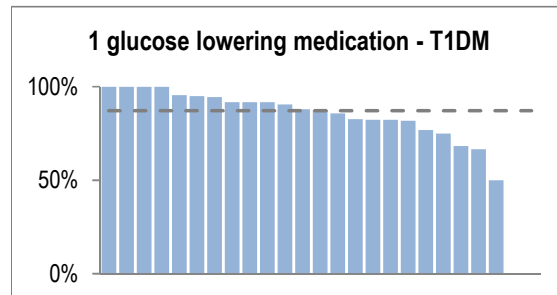
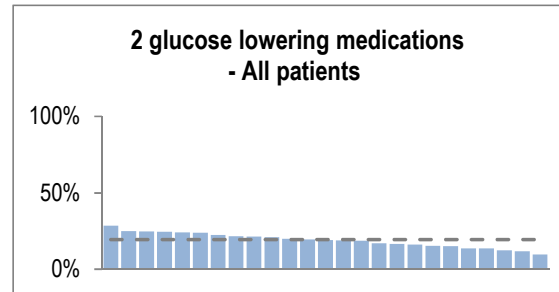
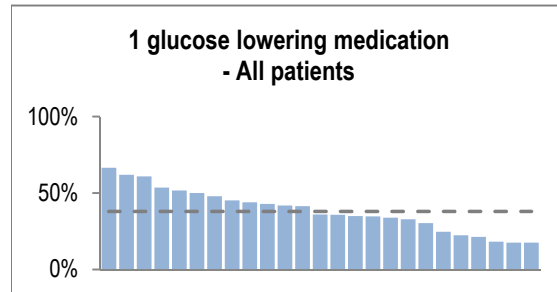


X-axis: All sites (Descending order)

Number of glucose lowering medications by diabetes type

Diabetes type	0 (Not graphed)			1			2			3			≥4 (Not graphed)		
	n	R%	C%	n	R%	C%	n	R%	C%	n	R%	C%	n	R%	C%
T1DM	0	0.0	0.0	346	87.2	64.0	37	9.3	13.4	12	3.0	3.6	2	0.5	0.9
T2DM	42	4.3	97.7	171	17.3	31.6	228	23.1	82.3	319	32.3	95.8	228	23.1	98.3
Other	1	2.6	2.3	23	60.5	4.3	11	28.9	4.0	1	2.6	0.3	2	5.3	0.9
Don't know	0	0.0	0.0	1	33.3	0.2	1	33.3	0.4	1	33.3	0.3	0	0.0	0.0
Total	43	3.0		541	37.9		277	19.4		333	23.4		232	16.3	

Diabetes type	Total	
	n	%
T1DM	397	27.8
T2DM	988	69.3
Other	38	2.7
Don't know	3	0.2
Total	1426	

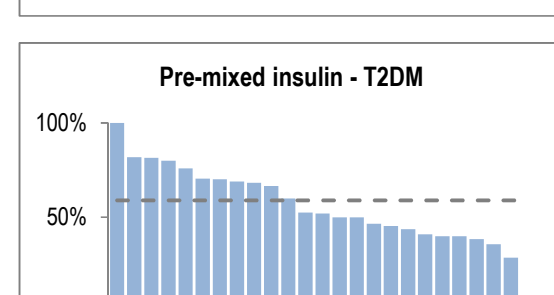
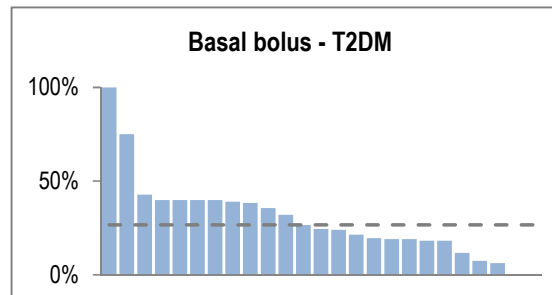
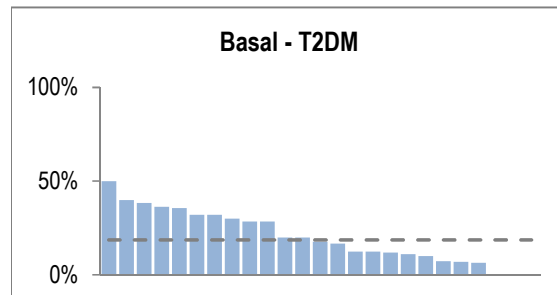
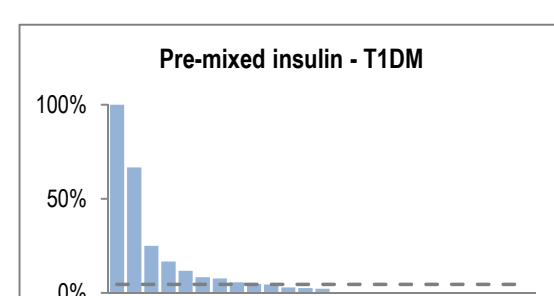
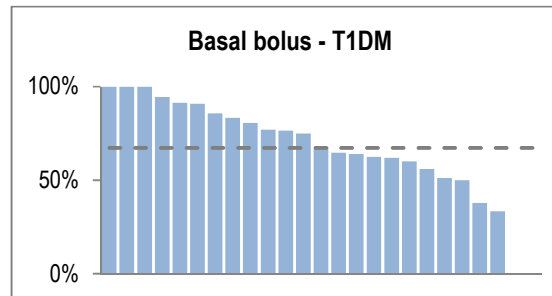
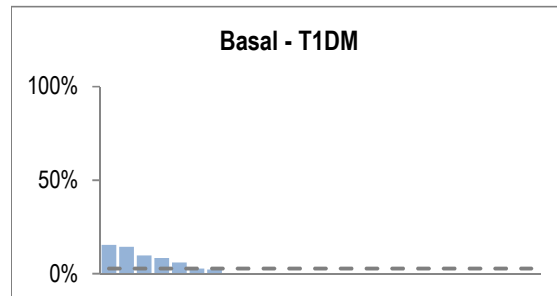
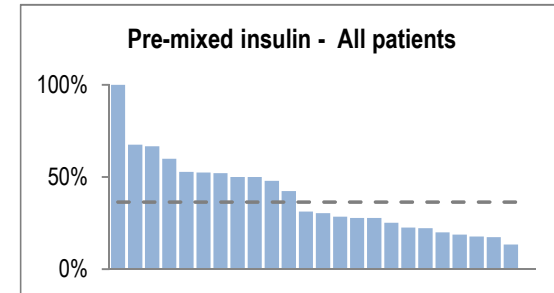
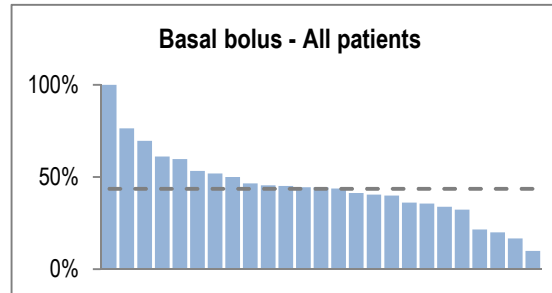
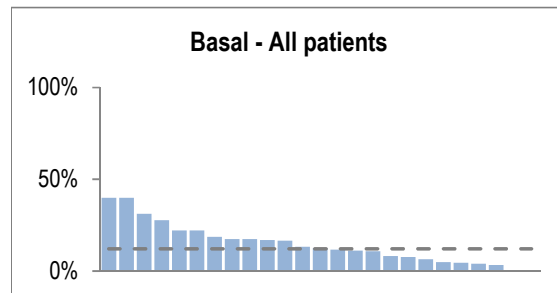


X-axis: All sites (Descending order)

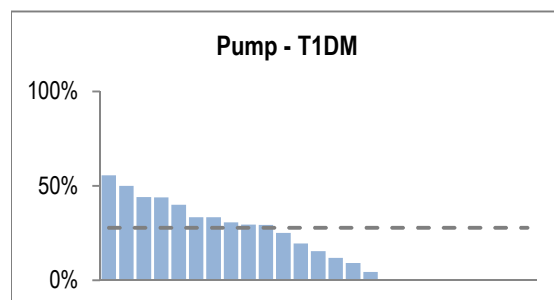
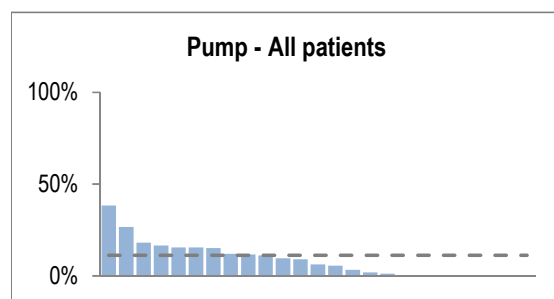
Modes of insulin* by diabetes type

Diabetes type	Basal			Basal bolus			Pre-mixed insulin			Pump			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	11	2.7	9.2	267	65.8	62.1	18	4.4	5.0	110	27.1	99.1	406	39.8
T2DM	104	17.8	86.7	149	25.5	34.7	330	56.5	91.9	1	0.2	0.9	584	57.3
Other	4	14.8	3.3	12	44.4	2.8	11	40.7	3.1	0	0.0	0.0	27	2.6
Don't know	1	33.3	0.8	2	66.7	0.5	0	0.0	0.0	0	0.0	0.0	3	0.3
Total	120	11.8		430	42.2		359	35.2		111	10.9		1020	

*Patients taking insulin (multiple modes of insulin were reported for some patients)



X-axis: All sites (Descending order)



Types of insulin pumps* by diabetes type

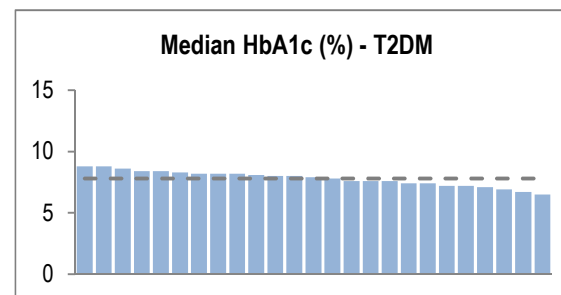
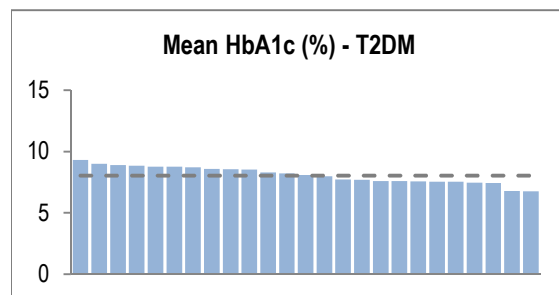
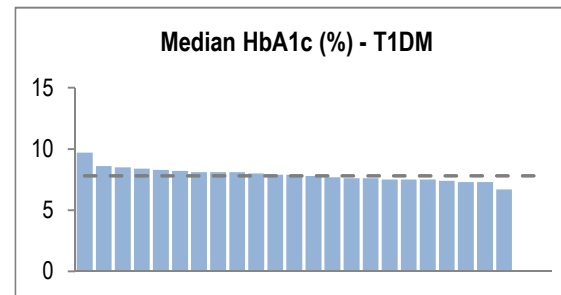
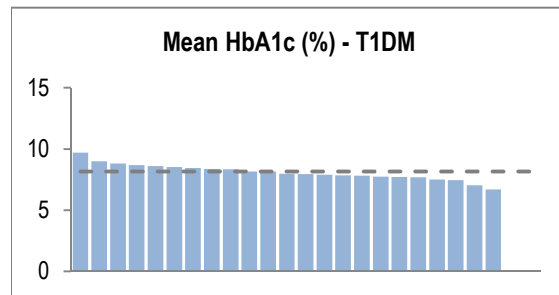
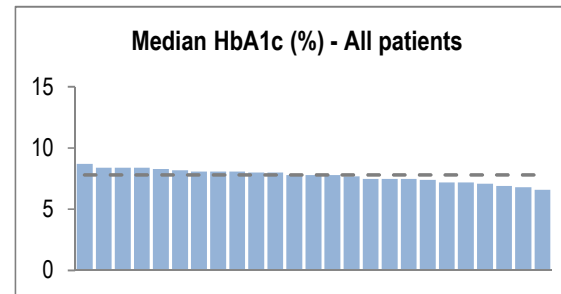
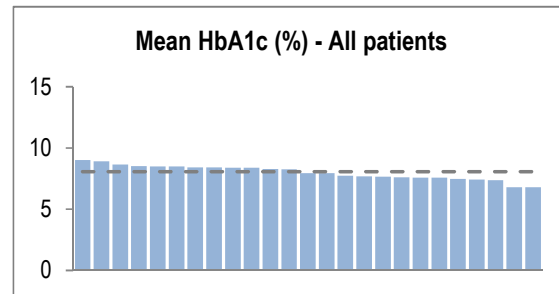
Diabetes type	CSII automated (Hybrid Closed Loop System)			CSII automated (Other)			CSII Non-automated			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	67	61.5	55.8	15	13.8	93.8	27	24.8	100.0	109	10.7
T2DM	0	0.0	0.0	1	100.0	6.3	0	0.0	0.0	1	0.1
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	0.0
Don't know	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	0.0
Total	67	60.9		16	14.5		27	24.5		110	

*Of patients using insulin with pump

X-axis: All sites (Descending order)

HbA1c (%) by diabetes type

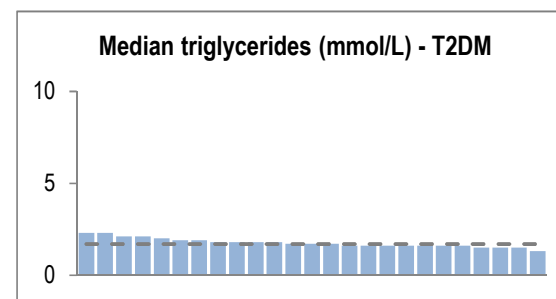
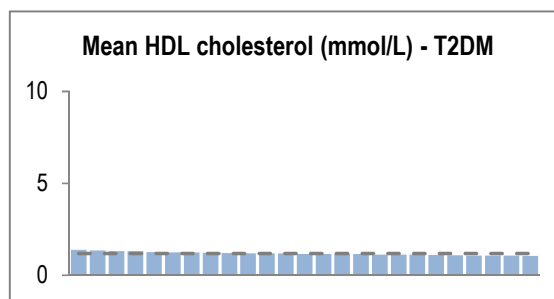
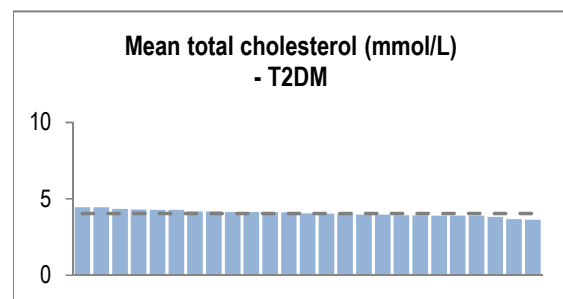
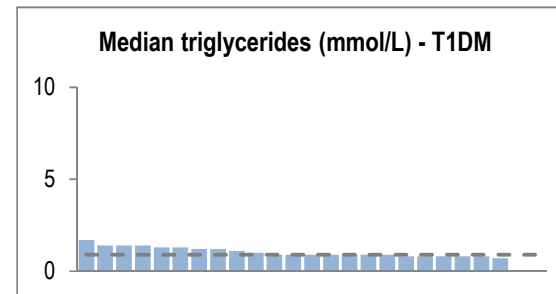
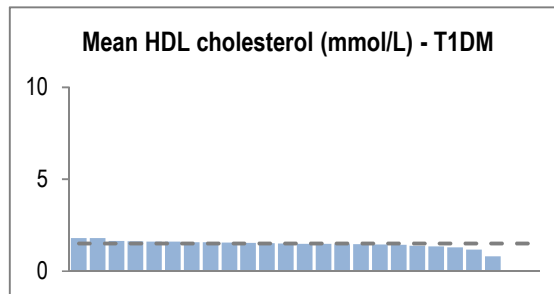
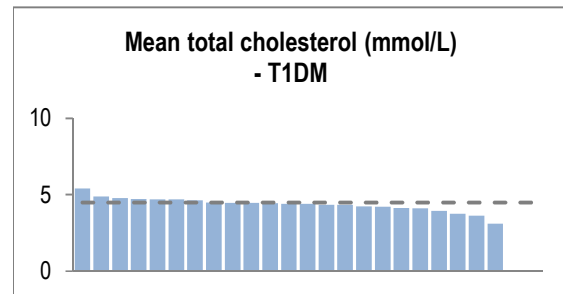
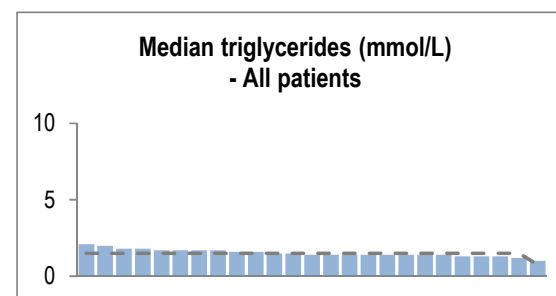
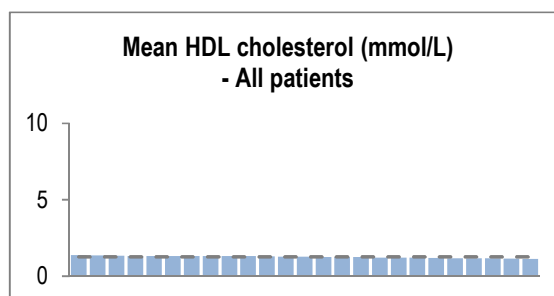
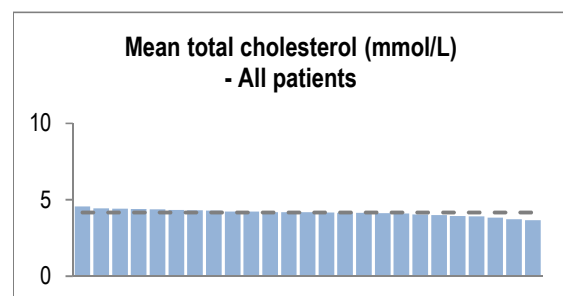
Diabetes type	n	Mean	SD	Min	Max	Median	IQR
T1DM	376	8.2	1.6	5.5	16.3	7.8	7.1 - 9.0
T2DM	965	8.0	1.7	4.7	15.0	7.8	6.8 - 8.8
Other	37	8.0	2.2	4.4	15.4	7.9	6.7 - 8.6
Don't know	3	8.8	2.8	7.0	12.1	7.4	7.2 - 9.8
Total	1381	8.1	1.7	4.4	16.3	7.8	6.9 - 8.8



X-axis: All sites (Descending order)

Mean total cholesterol, HDL cholesterol and median triglycerides by diabetes type

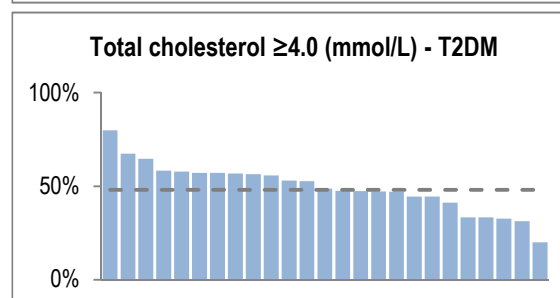
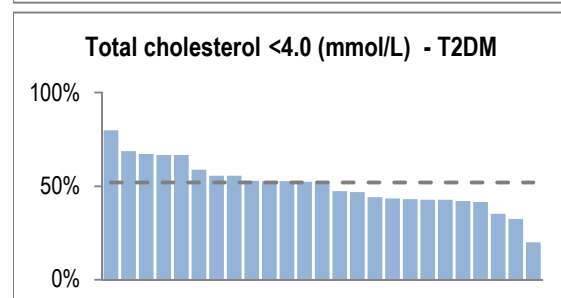
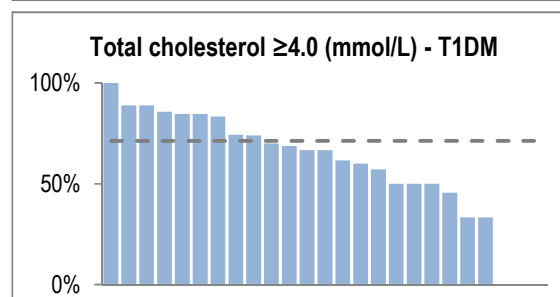
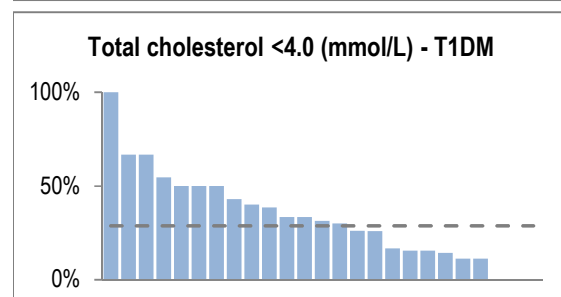
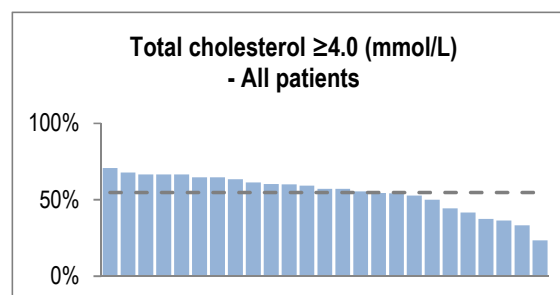
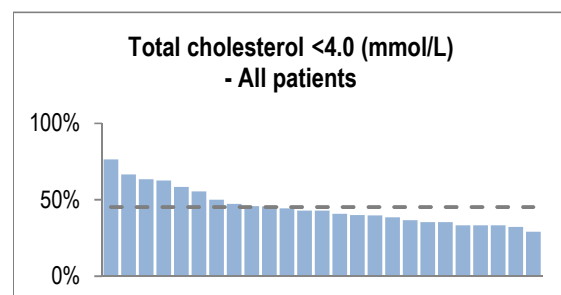
Diabetes type	Total cholesterol					HDL					Triglycerides		
	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Median	IQR
T1DM	282	4.5	1.0	2.3	9.2	244	1.5	0.4	0.5	3.3	277	0.9	0.7 - 1.4
T2DM	758	4.0	1.1	1.7	10.2	709	1.2	0.4	0.5	3.8	757	1.7	1.2 - 2.4
Other	32	4.4	1.3	2.4	8.6	25	1.3	0.3	0.8	2.0	31	1.3	0.9 - 1.6
Don't know	2	4.8	0.7	4.3	5.3	1	1.3	NA	1.3	1.3	2	1.5	1.5 - 1.5
Total	1074	4.2	1.1	1.7	10.2	979	1.3	0.4	0.5	3.8	1067	1.5	1.0 - 2.1



X-axis: All sites (Descending order)

Total cholesterol by diabetes type

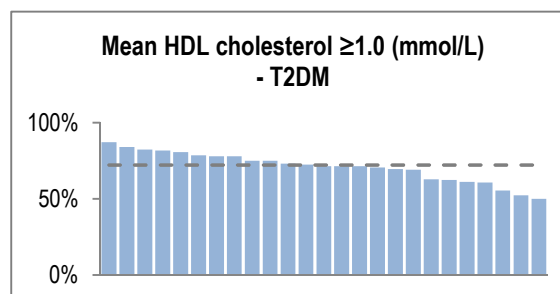
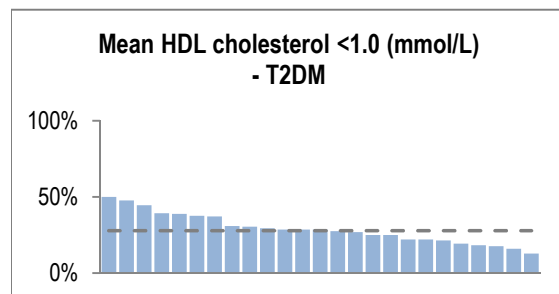
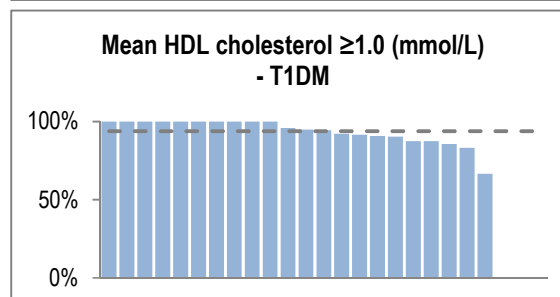
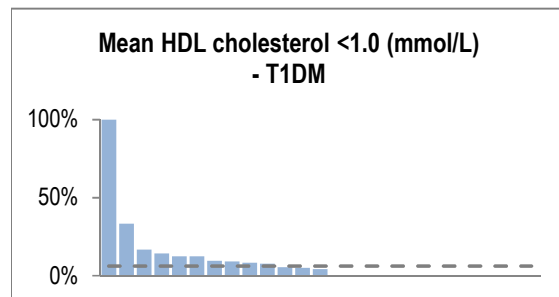
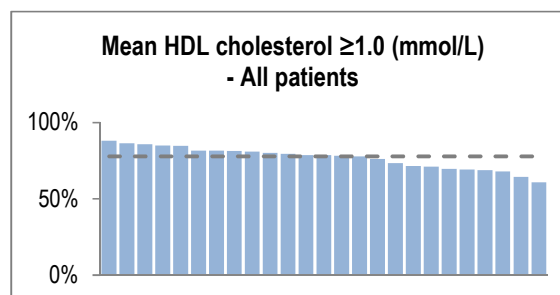
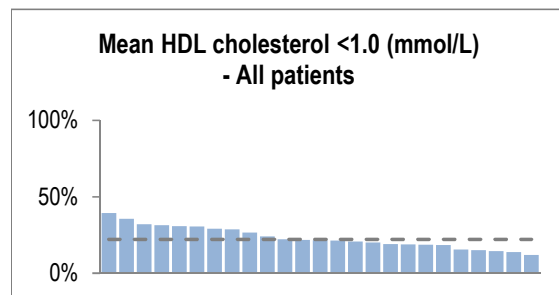
Diabetes type	<4.0 (mmol/L)			≥4.0 (mmol/L)			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	81	28.7	16.7	201	71.3	34.2	282	26.3
T2DM	394	52.0	81.1	364	48.0	61.9	758	70.6
Other	11	34.4	2.3	21	65.6	3.6	32	3.0
Don't know	0	0.0	0.0	2	100.0	0.3	2	0.2
Total	486	45.3		588	54.7		1074	



X-axis: All sites (Descending order)

HDL cholesterol by diabetes type

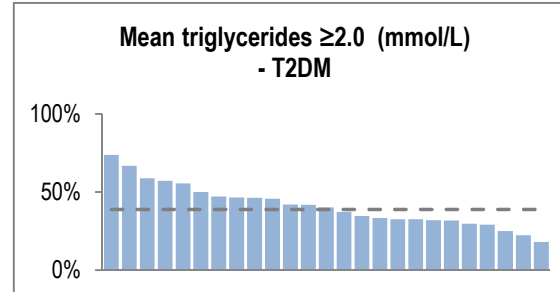
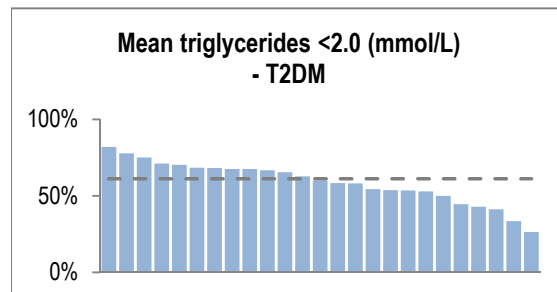
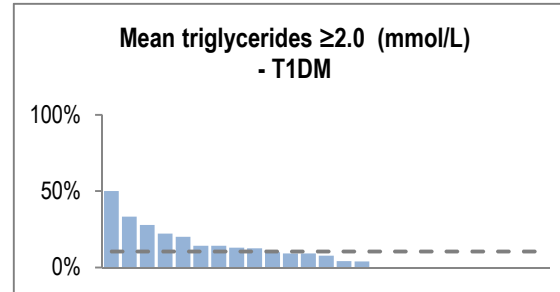
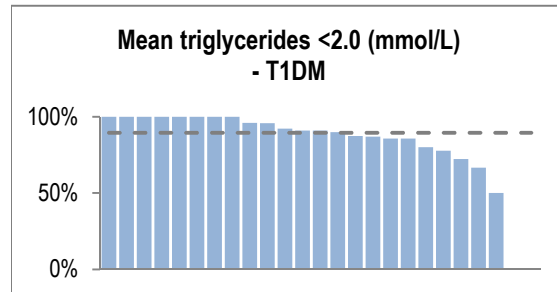
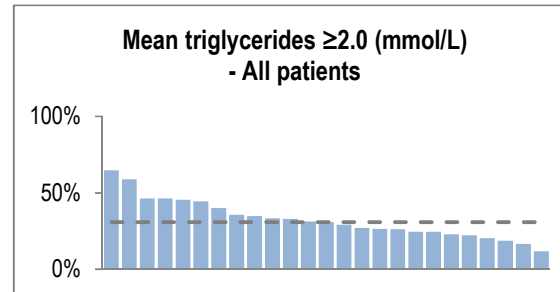
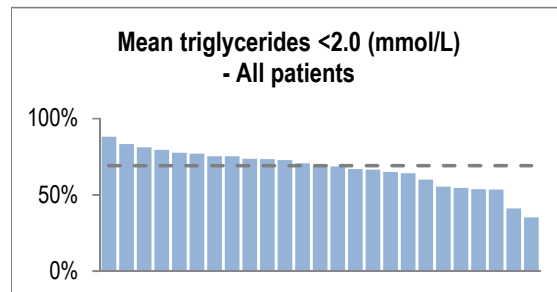
Diabetes type	<1.0 (mmol/L)			≥1.0 (mmol/L)			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	15	6.1	6.9	229	93.9	30.1	244	24.9
T2DM	197	27.8	90.8	512	72.2	67.2	709	72.4
Other	5	20.0	2.3	20	80.0	2.6	25	2.6
Don't know	0	0.0	0.0	1	100.0	0.1	1	0.1
Total	217	22.2		762	77.8		979	



X-axis: All sites (Descending order)

Triglycerides by diabetes type

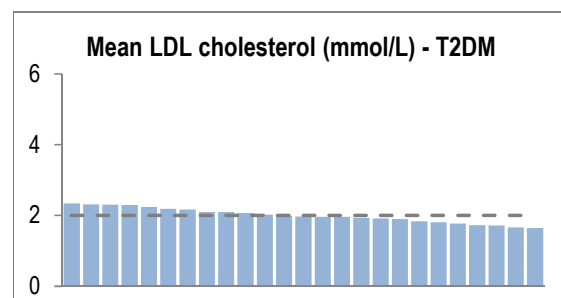
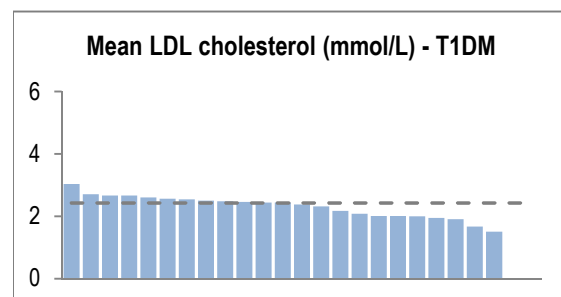
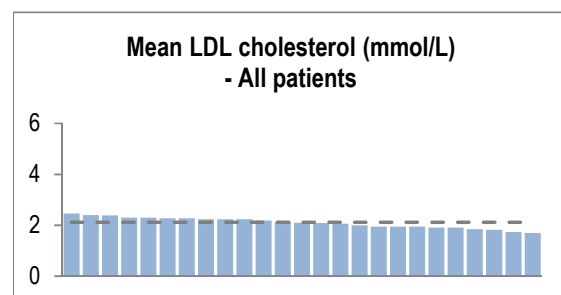
Diabetes type	<2.0 (mmol/L)			≥2.0 (mmol/L)			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	248	89.5	33.6	29	10.5	8.8	277	26.0
T2DM	463	61.2	62.7	294	38.8	89.4	757	70.9
Other	25	80.6	3.4	6	19.4	1.8	31	2.9
Don't know	2	100.0	0.3	0	0.0	0.0	2	0.2
Total	738	69.2		329	30.8		1067	



X-axis: All sites (Descending order)

Mean LDL cholesterol by diabetes type

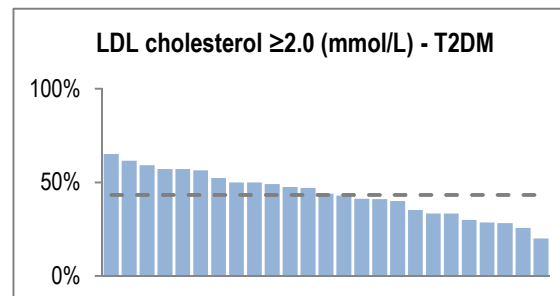
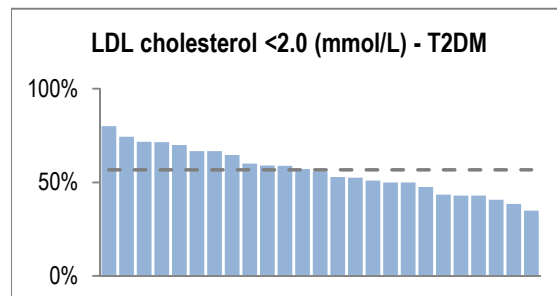
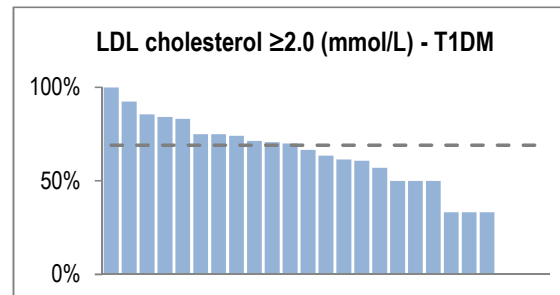
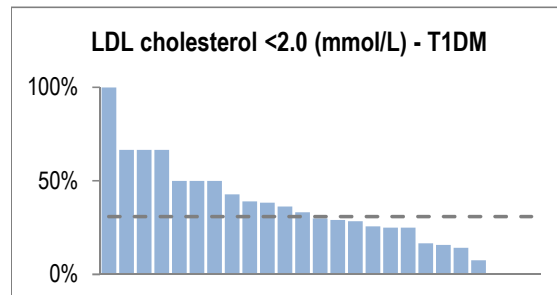
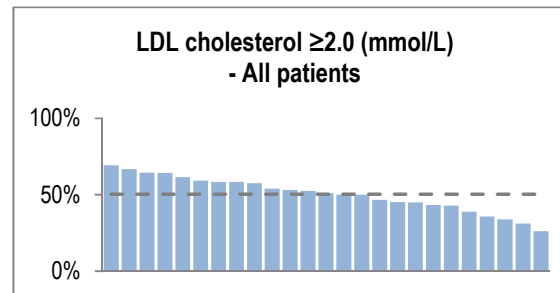
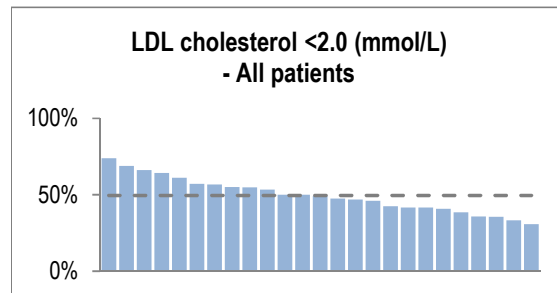
Diabetes type	LDL				
	n	Mean	SD	Min	Max
T1DM	249	2.4	0.8	0.5	5.3
T2DM	686	2.0	0.9	0.0	7.0
Other	24	2.2	0.9	0.8	3.6
Don't know	1	2.3	NA	2.3	2.3
Total	960	2.1	0.9	0.0	7.0



X-axis: All sites (Descending order)

LDL cholesterol by diabetes type

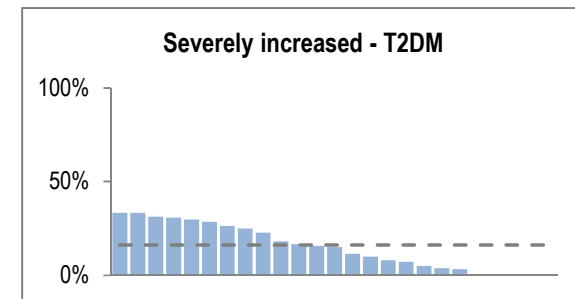
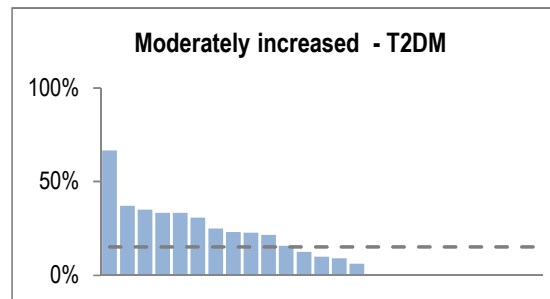
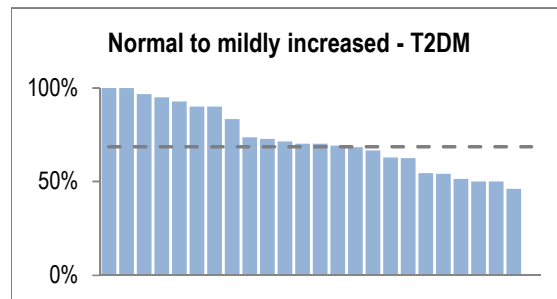
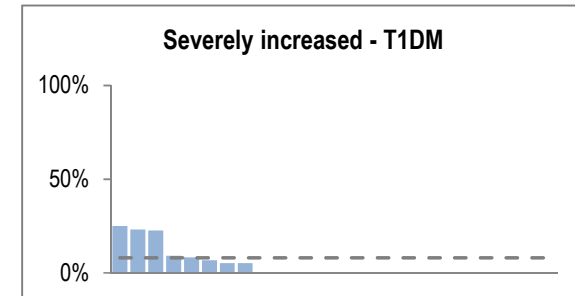
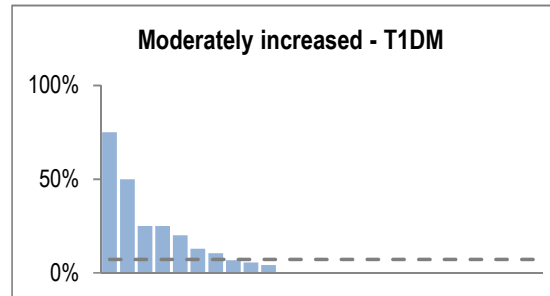
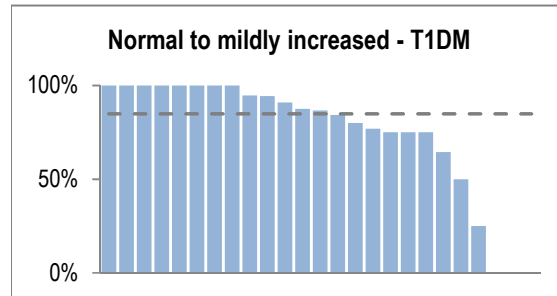
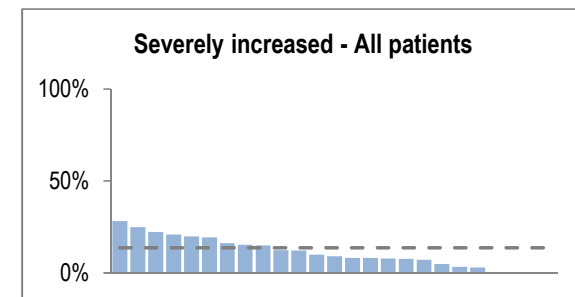
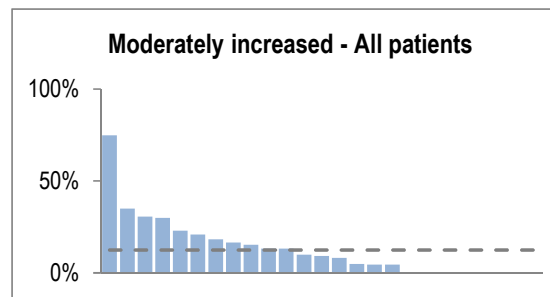
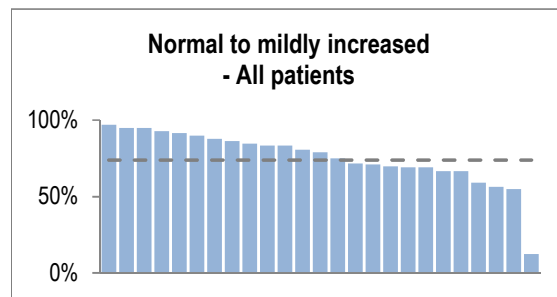
Diabetes type	<2.0 (mmol/L)			≥2.0 (mmol/L)			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	77	30.9	16.2	172	69.1	35.5	249	25.9
T2DM	389	56.7	81.7	297	43.3	61.4	686	71.5
Other	10	41.7	2.1	14	58.3	2.9	24	2.5
Don't know	0	0.0	0.0	1	100.0	0.2	1	0.1
Total	476	49.6		484	50.4		960	



X-axis: All sites (Descending order)

Albuminuria by diabetes type

Diabetes type	Normal to mildly increased			Moderately increased			Severely increased			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	190	84.8	35.3	16	7.1	17.6	18	8.0	18.0	224	30.7
T2DM	335	68.6	62.2	74	15.2	81.3	79	16.2	79.0	488	66.8
Other	12	80.0	2.2	1	6.7	1.1	2	13.3	2.0	15	2.1
Don't know	2	66.7	0.4	0	0.0	0.0	1	33.3	1.0	3	0.4
Total	539	73.8		91	12.5		100	13.7		730	



X-axis: All sites (Descending order)

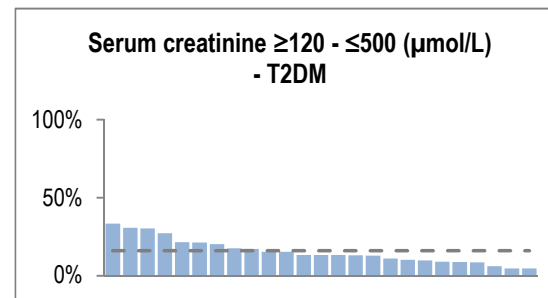
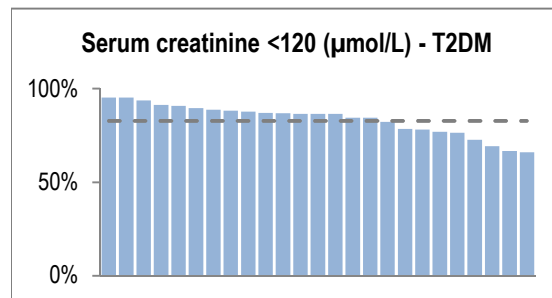
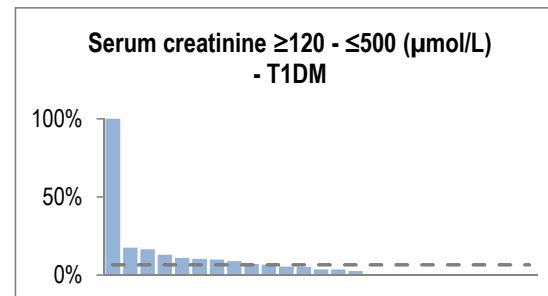
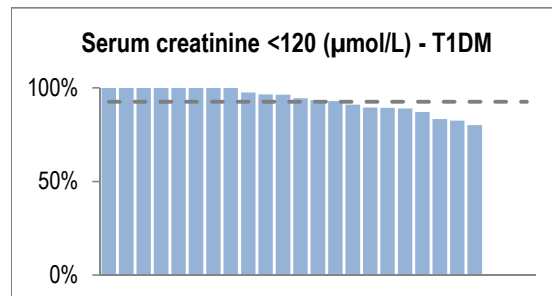
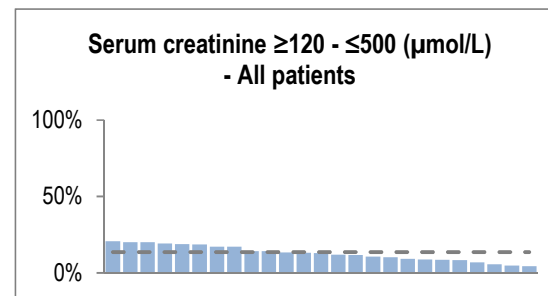
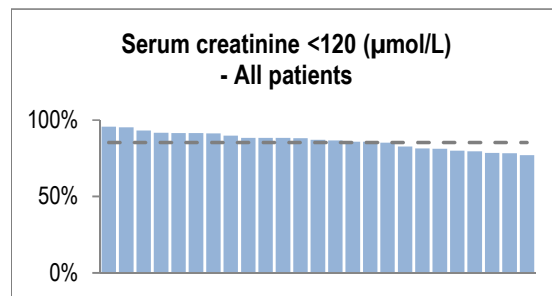
eGFR levels by diabetes type

Diabetes type	eGFR ≥90			eGFR 60 - <90			eGFR 30 - <60		
	n	R%	C%	n	R%	C%	n	R%	C%
T1DM	63	31.2	44.1	100	49.5	20.8	30	14.9	11.3
T2DM	76	10.4	53.1	368	50.5	76.5	228	31.3	86.0
Other	4	14.8	2.8	13	48.1	2.7	7	25.9	2.6
Don't know	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total	143	14.9		481	50.2		265	27.7	

Diabetes type	eGFR 15 - <30			eGFR <15			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	5	2.5	10.6	4	2.0	18.2	202	15.4
T2DM	40	5.5	85.1	17	2.3	77.3	729	55.7
Other	2	7.4	4.3	1	3.7	4.5	27	2.1
Don't know	NA	NA	NA	NA	NA	NA	NA	NA
Total	47	4.9		22	2.3		958	

Serum creatinine levels by diabetes type

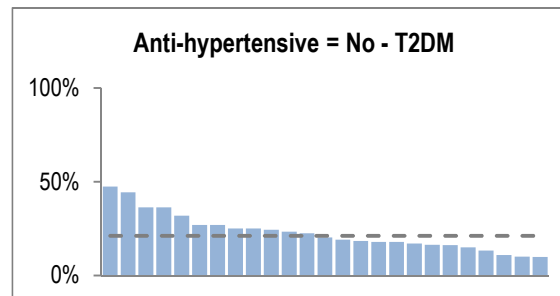
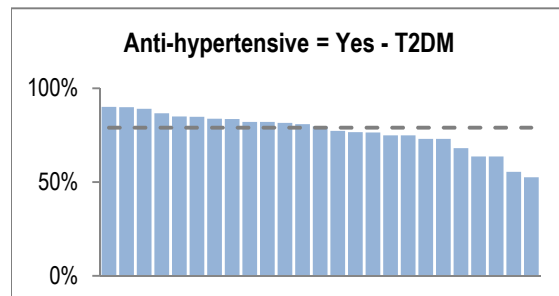
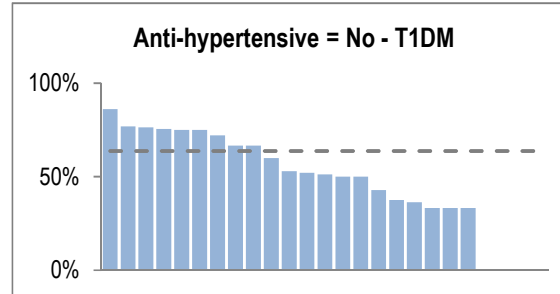
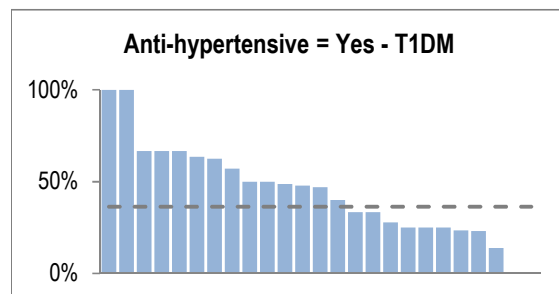
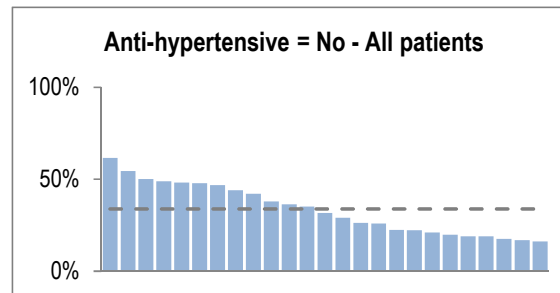
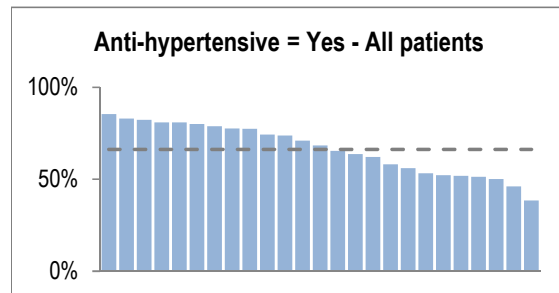
Diabetes type	<120 ($\mu\text{mol/L}$)			$\geq 120 - \leq 500$ ($\mu\text{mol/L}$)			>500 ($\mu\text{mol/L}$) (Not graphed)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	313	92.6	28.0	22	6.5	12.4	3	0.9	21.4	338	25.8
T2DM	770	82.8	69.0	149	16.0	83.7	11	1.2	78.6	930	71.1
Other	30	81.1	2.7	7	18.9	3.9	0	0.0	0.0	37	2.8
Don't know	3	100.0	0.3	0	0.0	0.0	0	0.0	0.0	3	0.2
Total	1116	85.3		178	13.6		14	1.1		1308	



X-axis: All sites (Descending order)

Anti-hypertensive therapy use by diabetes type

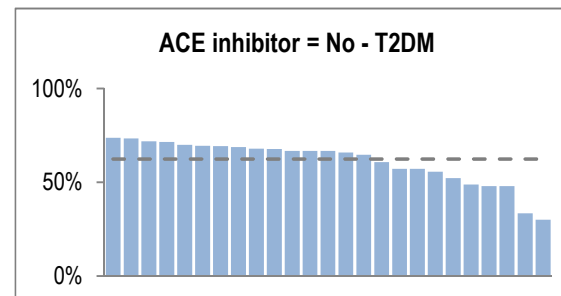
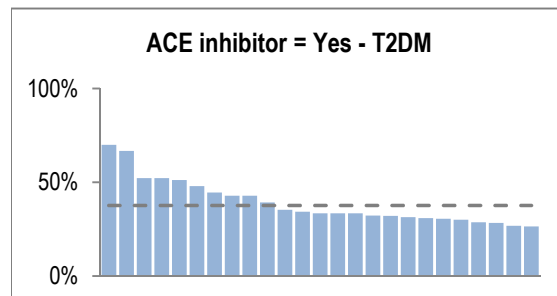
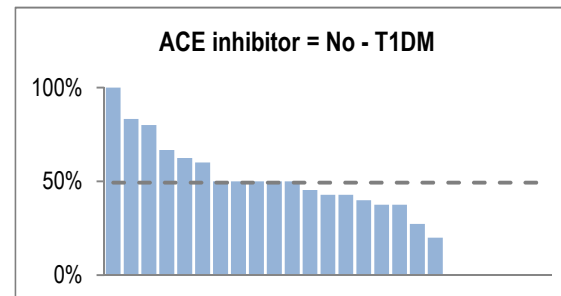
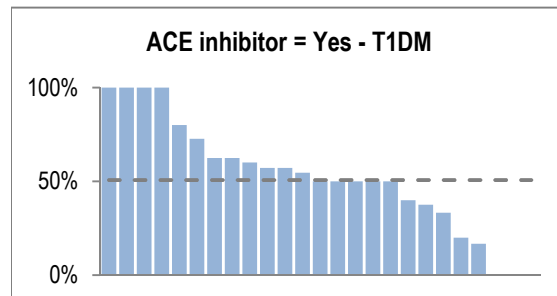
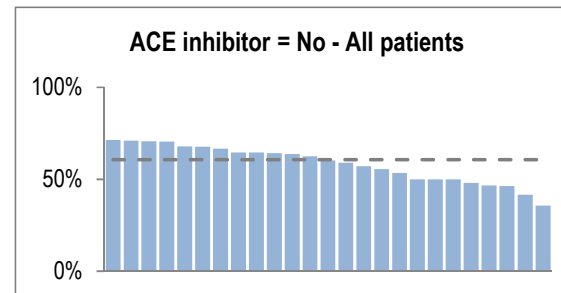
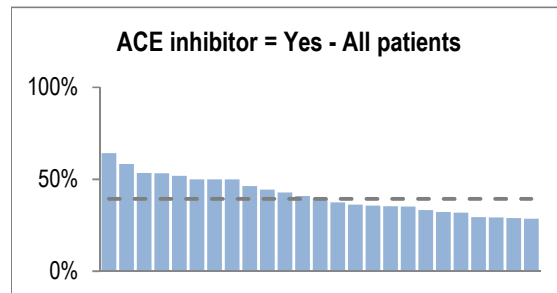
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	144	36.3	15.3	253	63.7	52.4	397	27.8
T2DM	779	78.8	82.6	209	21.2	43.3	988	69.3
Other	19	50.0	2.0	19	50.0	3.9	38	2.7
Don't know	1	33.3	0.1	2	66.7	0.4	3	0.2
Total	943	66.1		483	33.9		1426	



X-axis: All sites (Descending order)

ACE inhibitor use by diabetes type

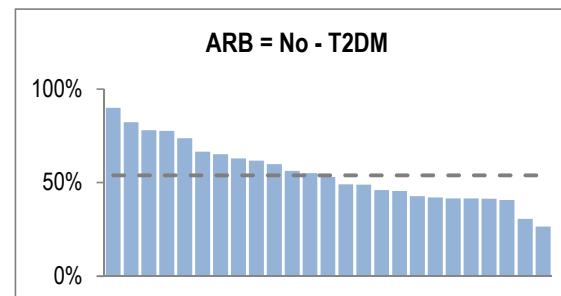
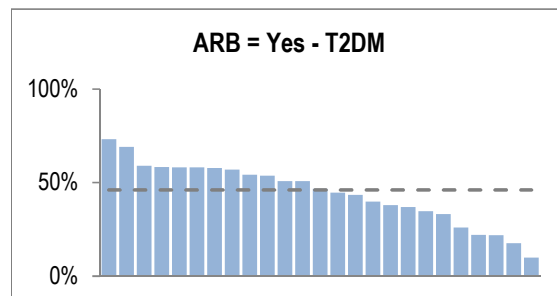
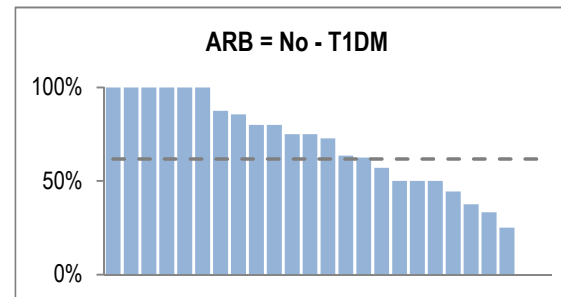
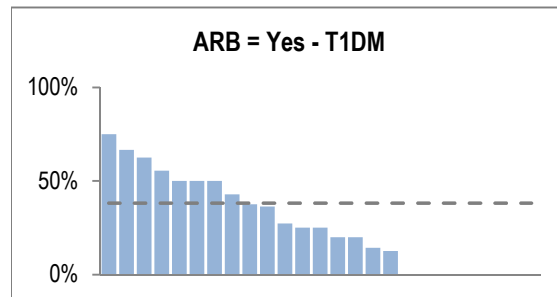
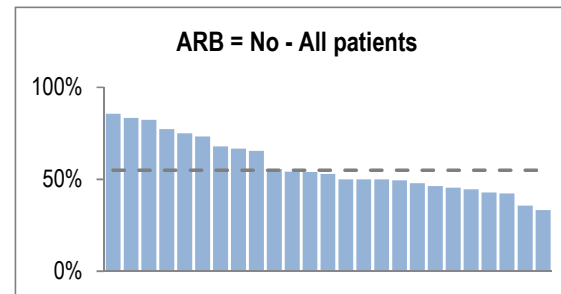
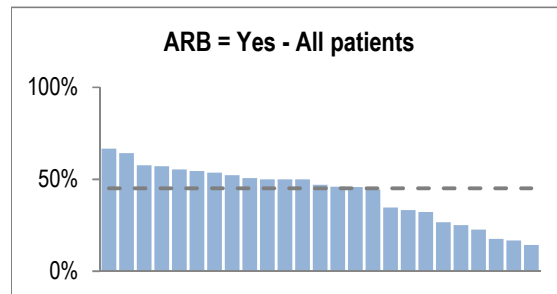
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	73	50.7	19.7	71	49.3	12.4	144	15.3
T2DM	293	37.6	79.0	486	62.4	85.0	779	82.6
Other	5	26.3	1.3	14	73.7	2.4	19	2.0
Don't know	0	0.0	0.0	1	100.0	0.2	1	0.1
Total	371	39.3		572	60.7		943	



X-axis: All sites (Descending order)

ARB use by diabetes type

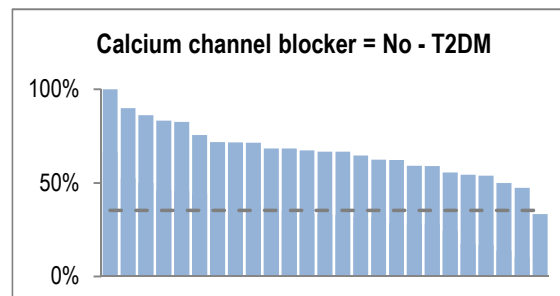
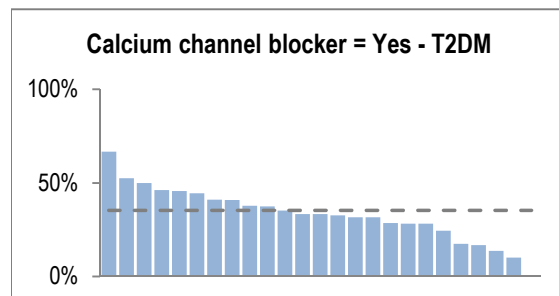
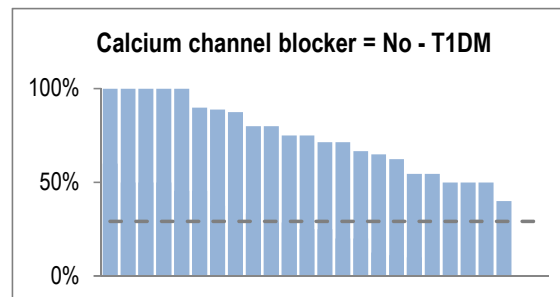
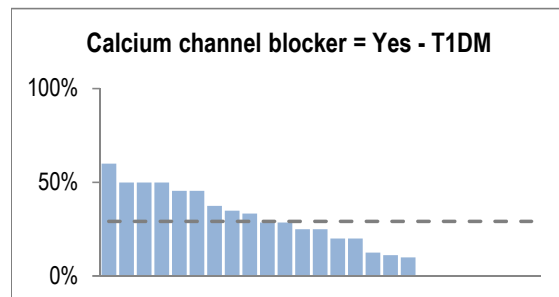
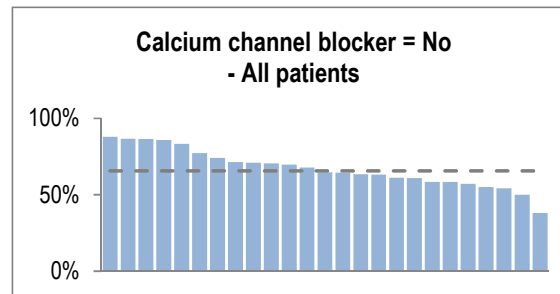
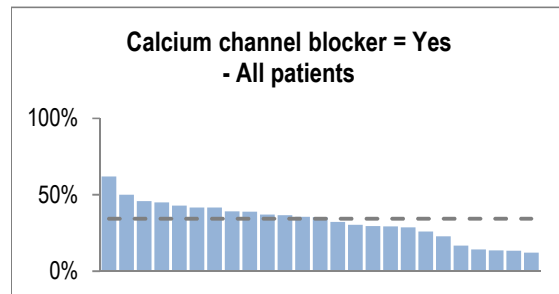
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	55	38.2	12.9	89	61.8	17.2	144	15.3
T2DM	359	46.1	84.5	420	53.9	81.1	779	82.6
Other	10	52.6	2.4	9	47.4	1.7	19	2.0
Don't know	1	100.0	0.2	0	0.0	0.0	1	0.1
Total	425	45.1		518	54.9		943	



X-axis: All sites (Descending order)

Calcium channel blocker use by diabetes type

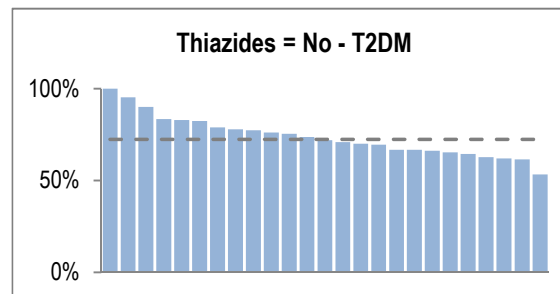
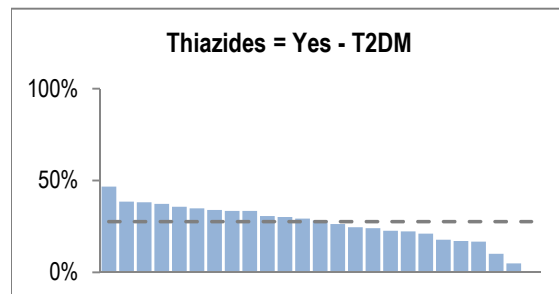
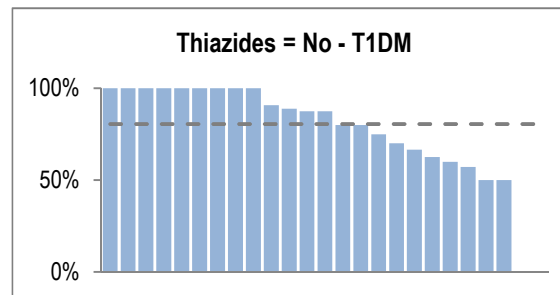
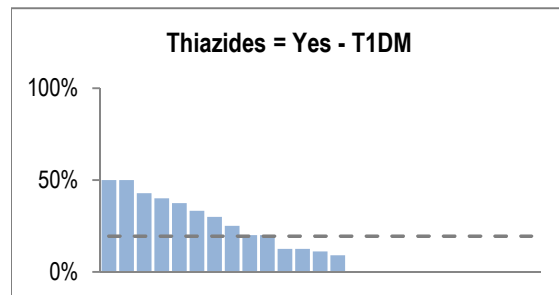
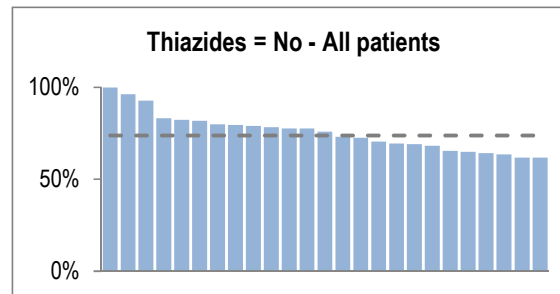
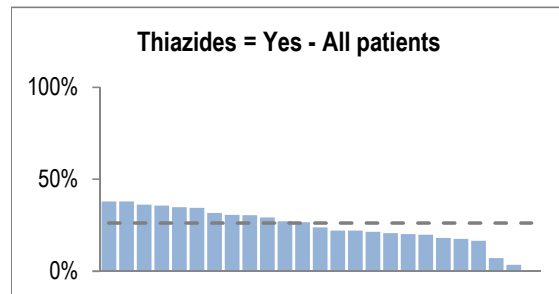
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	42	29.2	13.0	102	70.8	16.5	144	15.3
T2DM	275	35.3	84.9	504	64.7	81.4	779	82.6
Other	7	36.8	2.2	12	63.2	1.9	19	2.0
Don't know	0	0.0	0.0	1	100.0	0.2	1	0.1
Total	324	34.4		619	65.6		943	



X-axis: All sites (Descending order)

Thiazide use by diabetes type

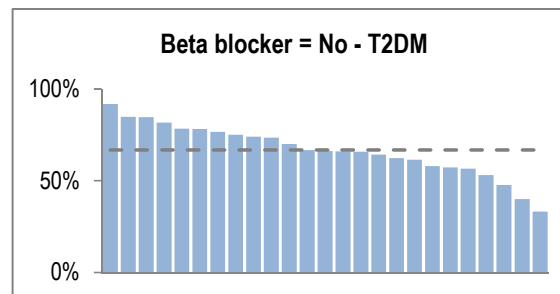
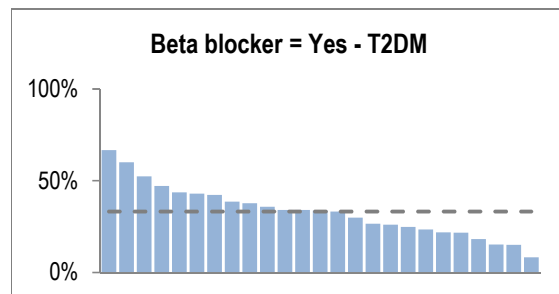
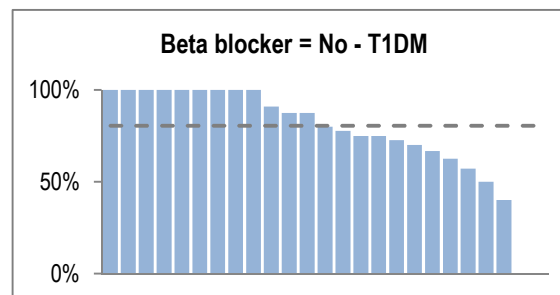
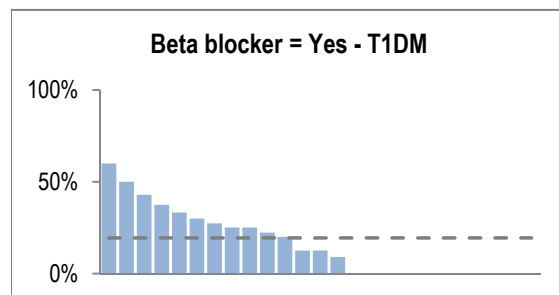
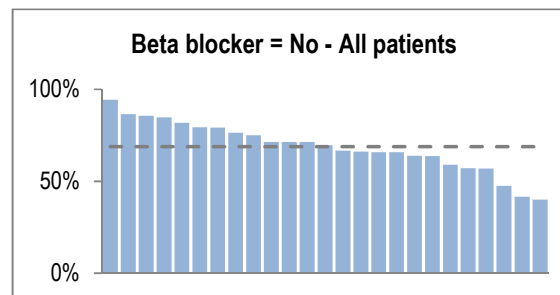
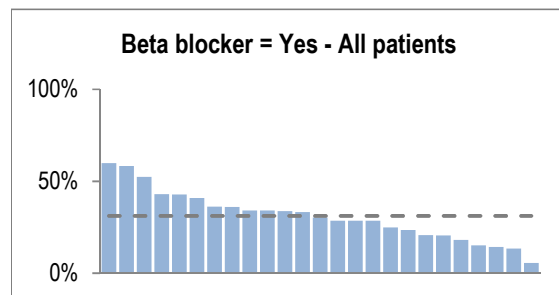
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	28	19.4	11.3	116	80.6	16.7	144	15.3
T2DM	215	27.6	87.0	564	72.4	81.0	779	82.6
Other	4	21.1	1.6	15	78.9	2.2	19	2.0
Don't know	0	0.0	0.0	1	100.0	0.1	1	0.1
Total	247	26.2		696	73.8		943	



X-axis: All sites (Descending order)

Beta blocker use by diabetes type

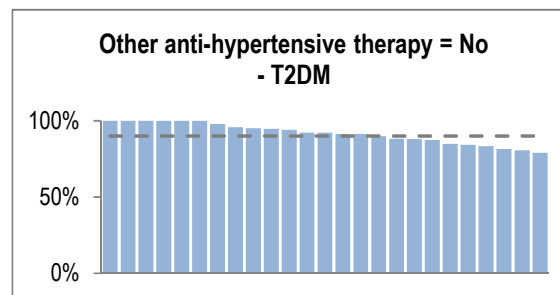
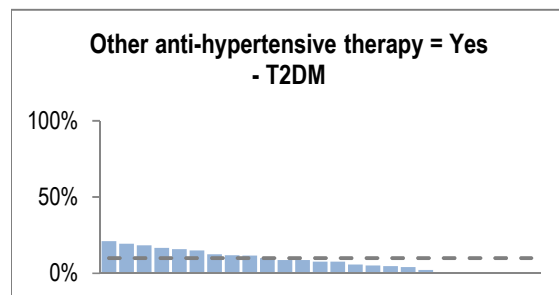
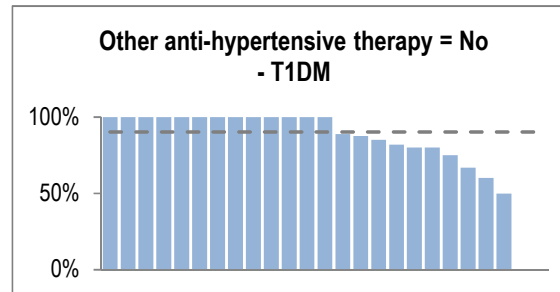
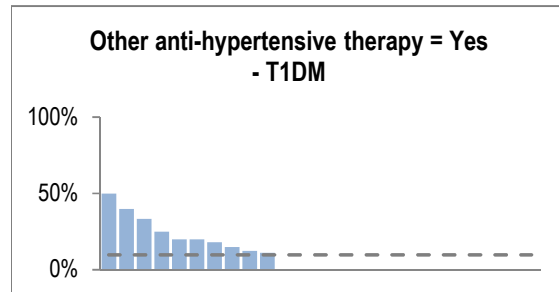
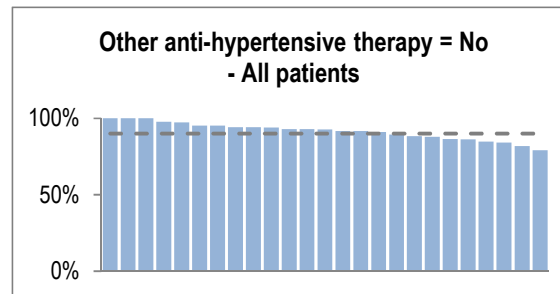
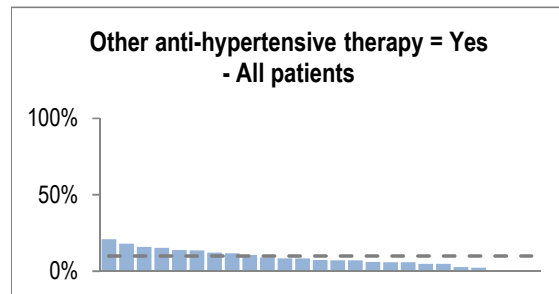
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	28	19.4	9.5	116	80.6	17.9	144	15.3
T2DM	259	33.2	88.1	520	66.8	80.1	779	82.6
Other	7	36.8	2.4	12	63.2	1.8	19	2.0
Don't know	0	0.0	0.0	1	100.0	0.2	1	0.1
Total	294	31.2		649	68.8		943	



X-axis: All sites (Descending order)

Other anti-hypertensive therapy by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	14	9.7	14.9	130	90.3	15.3	144	15.3
T2DM	78	10.0	83.0	701	90.0	82.6	779	82.6
Other	2	10.5	2.1	17	89.5	2.0	19	2.0
Don't know	0	0.0	0.0	1	100.0	0.1	1	0.1
Total	94	10.0		849	90.0		943	

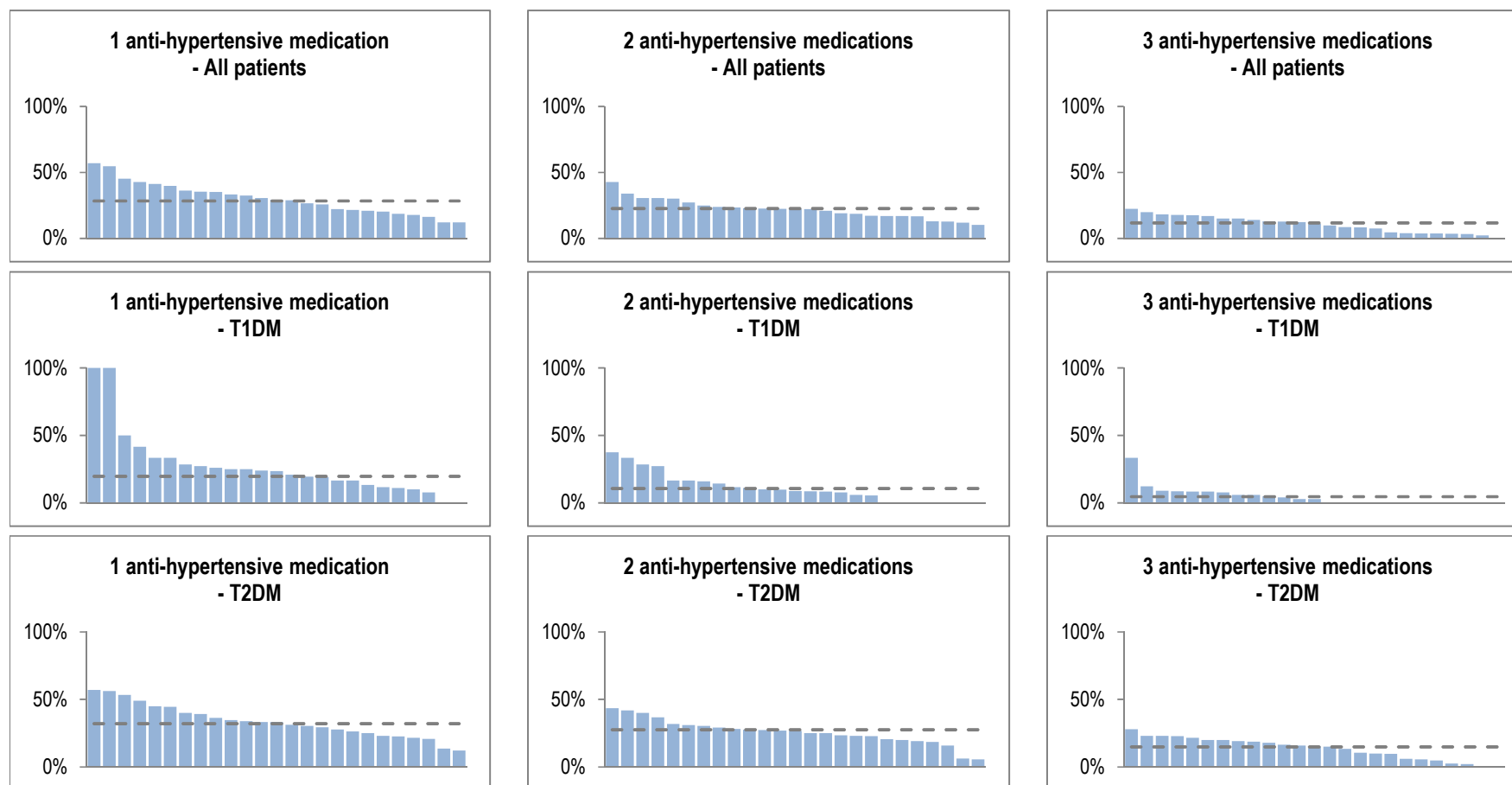


X-axis: All sites (Descending order)

Number of anti-hypertensive medications by diabetes type

Diabetes type	1			2			3			≥4 (Not graphed)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	78	19.6	19.3	42	10.6	13.0	18	4.5	10.8	6	12.0	12.0	397	27.8
T2DM	317	32.1	78.5	272	27.5	84.5	147	14.9	88.0	43	4.4	86.0	988	69.3
Other	8	21.1	2.0	8	21.1	2.5	2	5.3	1.2	1	2.6	2.0	38	2.7
Don't know	1	33.3	0.2	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	3	0.2
Total	404	28.3		322	22.6		167	11.7		50	3.5		1426	

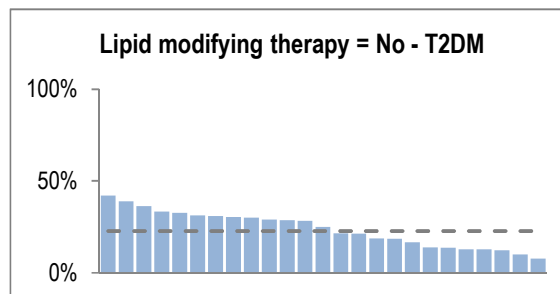
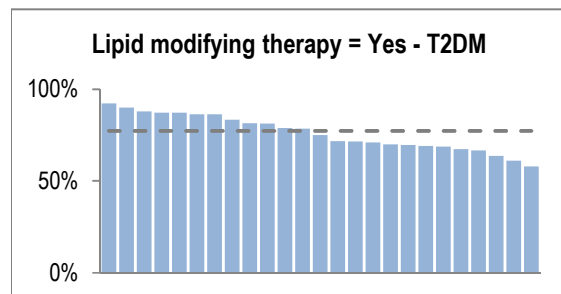
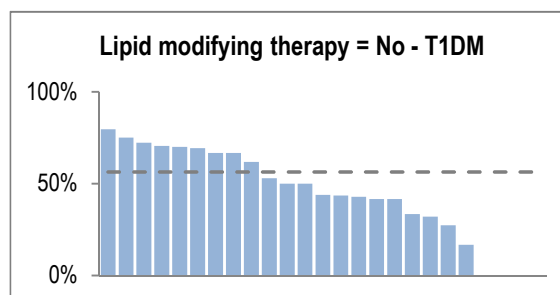
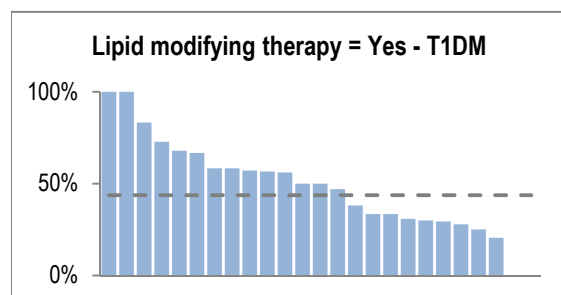
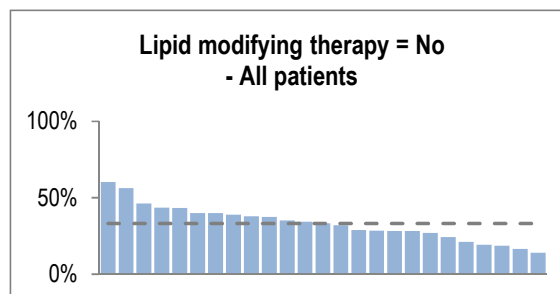
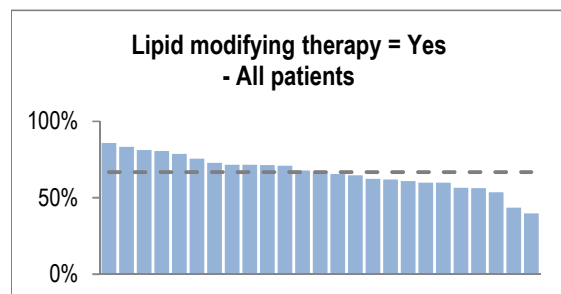
*Of patients taking anti-hypertensive therapy



X-axis: All sites (Descending order)

Lipid modifying therapy by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	173	43.7	18.2	223	56.3	47.2	396	27.8
T2DM	762	77.3	80.1	224	22.7	47.5	986	69.3
Other	15	39.5	1.6	23	60.5	4.9	38	2.7
Don't know	1	33.3	0.1	2	66.7	0.4	3	0.2
Total	951	66.8		472	33.2		1423	

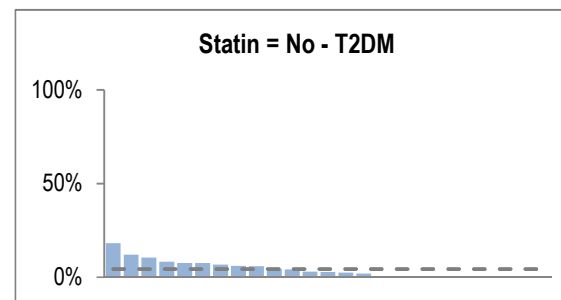
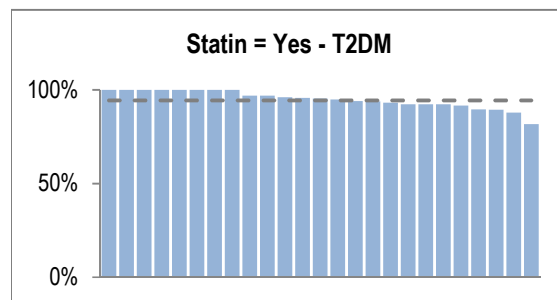
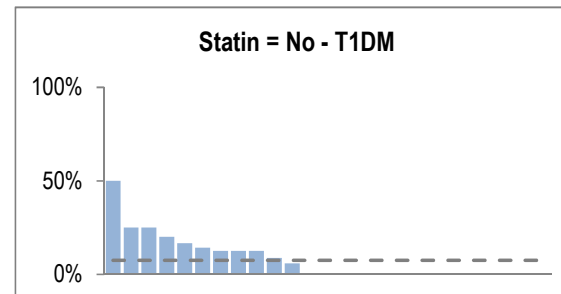
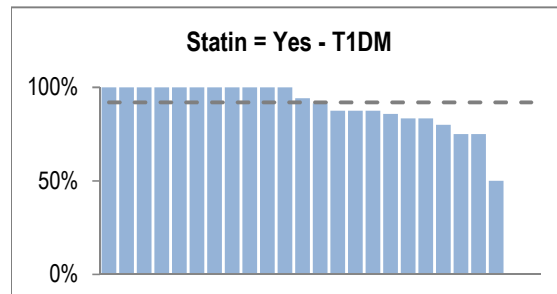
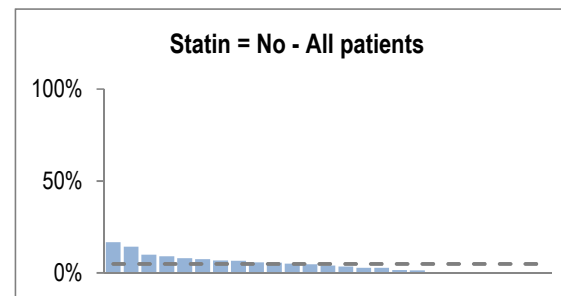
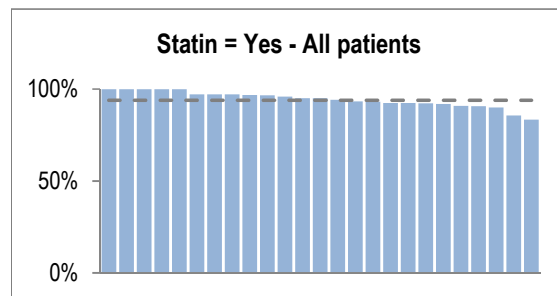


X-axis: All sites (Descending order)

Statin* use by diabetes type

Diabetes type	Yes			No			Contraindicated (Not graphed)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	159	91.9	17.8	13	7.5	27.7	1	0.6	9.1	173	18.2
T2DM	719	94.4	80.5	33	4.3	70.2	10	1.3	90.9	762	80.1
Other	14	93.3	1.6	1	6.7	2.1	0	0.0	0.0	15	1.6
Don't know	1	100.0	0.1	0	0.0	0.0	0	0.0	0.0	1	0.1
Total	893	93.9		47	4.9		11	1.2		951	

*Of patients taking lipid modifying therapy

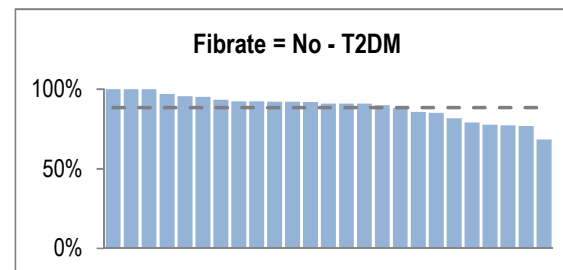
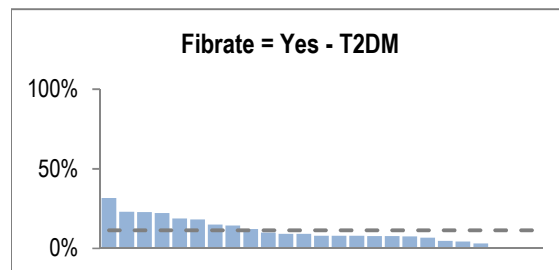
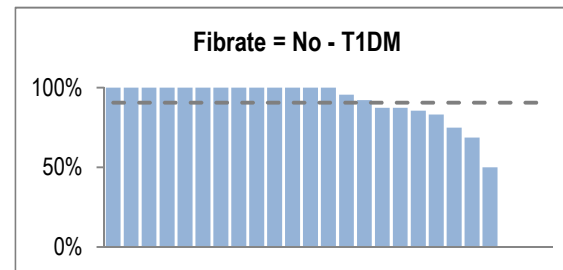
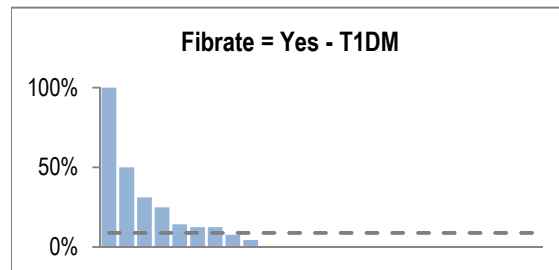
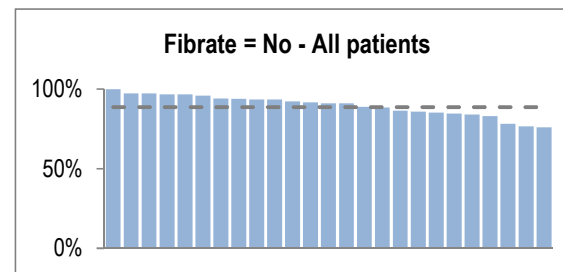
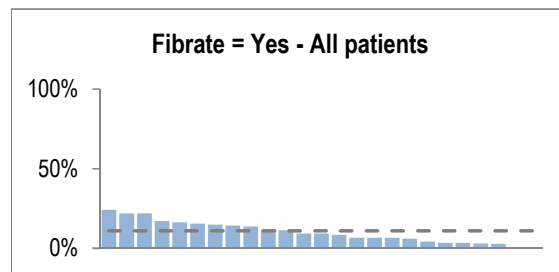


X-axis: All sites (Descending order)

Fibrate* use by diabetes type

Diabetes type	Yes			No			Contraindicated (Not graphed)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	15	8.8	14.4	155	90.6	18.5	1	0.6	33.3	171	18.1
T2DM	86	11.3	82.7	671	88.4	80.0	2	0.3	66.7	759	80.2
Other	3	20.0	2.9	12	80.0	1.4	0	0.0	0.0	15	1.6
Don't know	0	0.0	0.0	1	100.0	0.1	0	0.0	0.0	1	0.1
Total	104	11.0		839	88.7		3	0.3		946	

*Of patients taking lipid modifying therapy

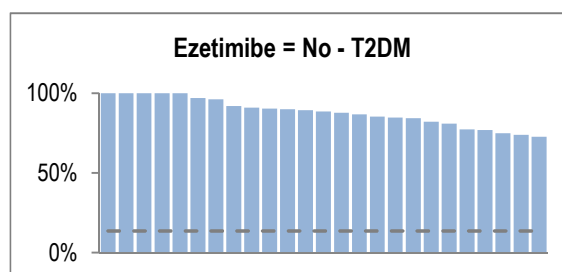
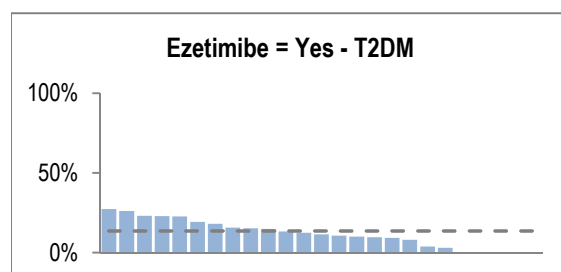
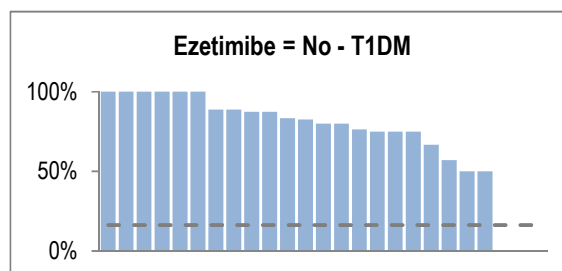
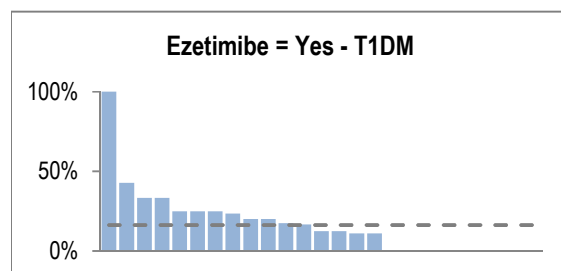
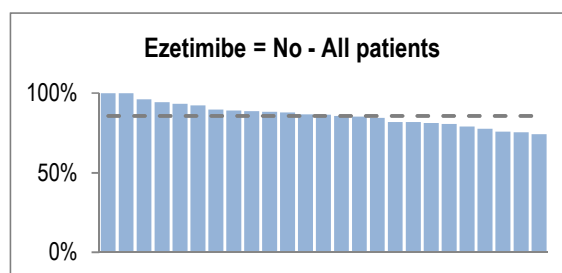
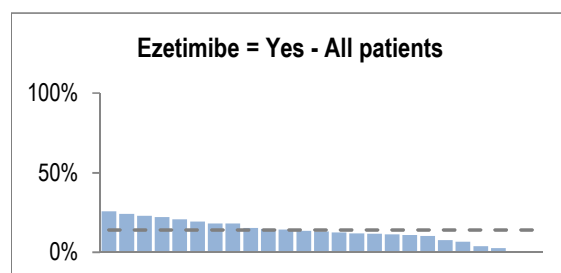


X-axis: All sites (Descending order)

Ezetimibe* use by diabetes type

Diabetes type	Yes			No			Contraindicated (Not graphed)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	28	16.3	21.1	142	82.6	17.5	2	1.2	66.7	172	18.2
T2DM	103	13.6	77.4	655	86.3	80.8	1	0.1	33.3	759	80.2
Other	2	13.3	1.5	13	86.7	1.6	0	0.0	0.0	15	1.6
Don't know	0	0.0	0.0	1	100.0	0.1	0	0.0	0.0	1	0.1
Total	133	14.0		811	85.6		3	0.3		947	

*Of patients taking lipid modifying therapy

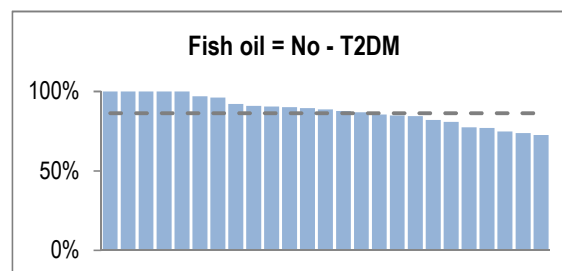
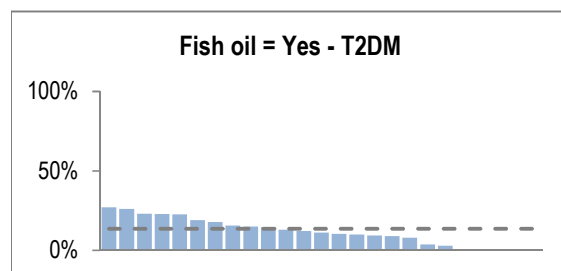
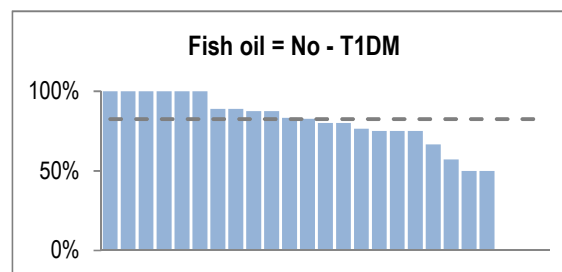
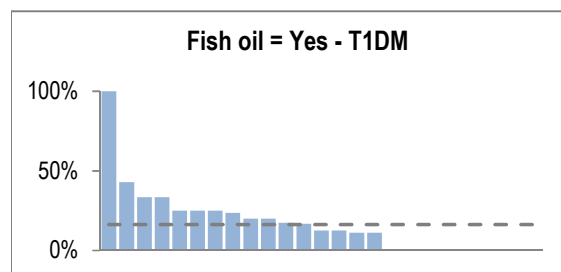
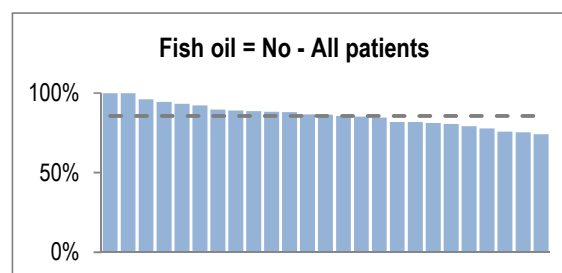
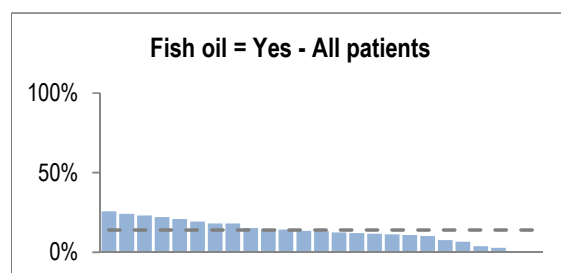


X-axis: All sites (Descending order)

Fish oil* use by diabetes type

Diabetes type	Yes			No			Contraindicated (Not graphed)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	28	16.3	21.1	142	82.6	17.5	2	1.2	66.7	172	18.2
T2DM	103	13.6	77.4	655	86.3	80.8	1	0.1	33.3	759	80.2
Other	2	13.3	1.5	13	86.7	1.6	0	0.0	0.0	15	1.6
Don't know	0	0.0	0.0	1	100.0	0.1	0	0.0	0.0	1	0.1
Total	133	14.0		811	85.6		3	0.3		947	

*Of patients taking lipid modifying therapy



X-axis: All sites (Descending order)

PCSK9 inhibitor* use by diabetes type

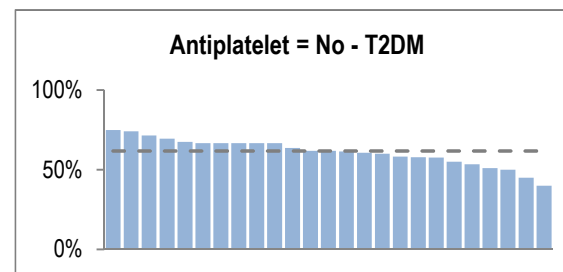
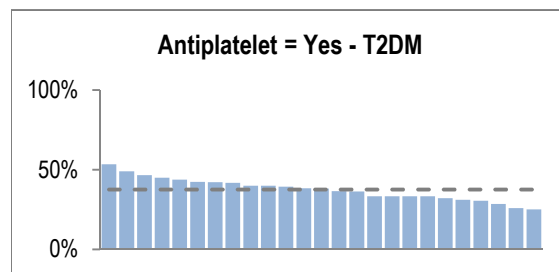
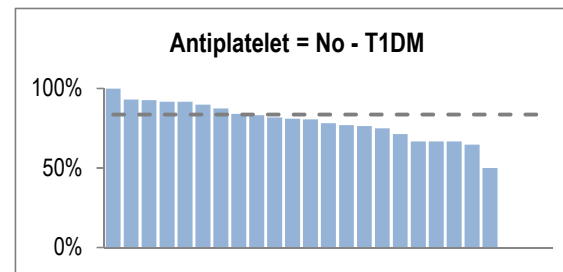
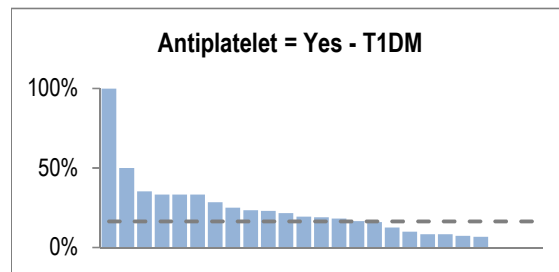
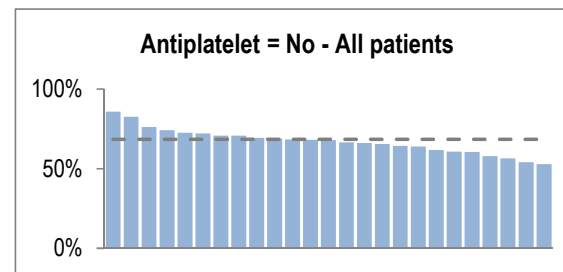
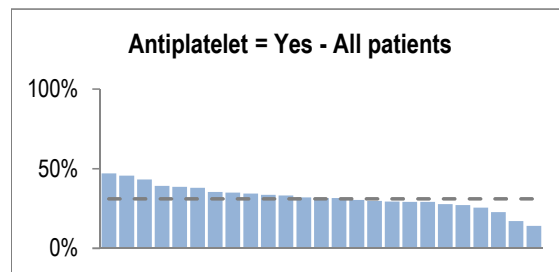
Diabetes type	Yes			No			Contraindicated			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	0	0.0	0.0	170	98.8	18.1	2	1.2	100.0	172	18.2
T2DM	4	0.5	100.0	755	99.5	80.2	0	0.0	0.0	759	80.2
Other	0	0.0	0.0	15	100.0	1.6	0	0.0	0.0	15	1.6
Don't know	0	0.0	0.0	1	100.0	0.1	0	0.0	0.0	1	0.1
Total	4	0.4		941	99.4		2	0.2		947	

*Of patients taking lipid modifying therapy

Antiplatelet therapy use by diabetes type

Diabetes type	Yes			No			Contraindicated (Not graphed)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	65	16.4	14.7	331	83.6	34.0	0	0.0	NA	396	27.8
T2DM	370	37.5	83.7	609	61.8	62.5	7	0.7	NA	986	69.3
Other	7	18.4	1.6	31	81.6	3.2	0	0.0	NA	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.3	0	0.0	NA	3	0.2
Total	442	31.1		974	68.4		0	0.0		1423	

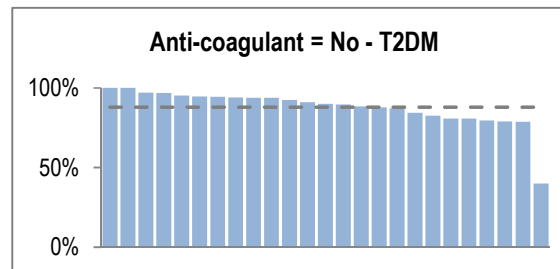
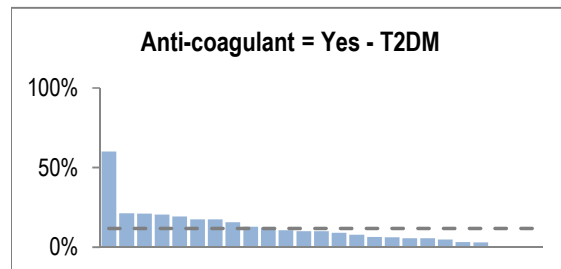
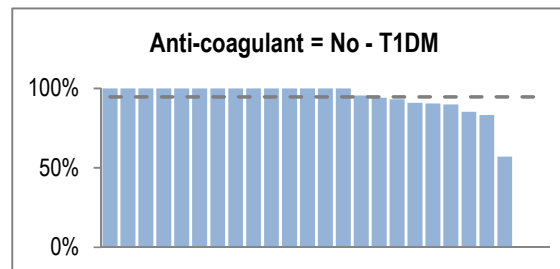
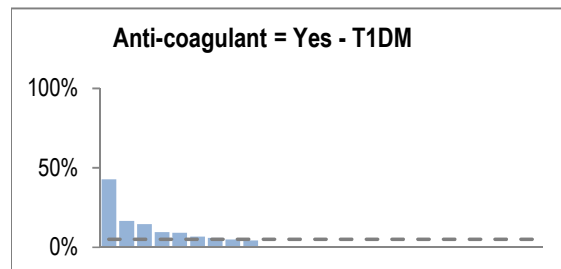
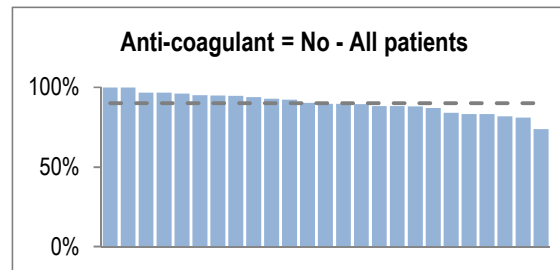
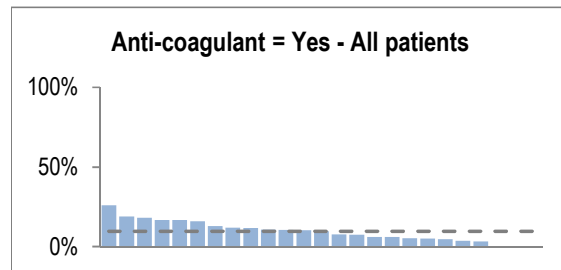
*Of patients taking aspirin and/or anti-platelet therapy



X-axis: All sites (Descending order)

Anti-coagulant therapy by diabetes type

Diabetes type	Yes			No			(Not graphed)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	20	5.1	14.6	375	94.7	29.3	1	0.3	NA	396	27.8
T2DM	116	11.8	84.7	867	87.9	67.6	3	0.3	NA	986	69.3
Other	1	2.6	0.7	37	97.4	2.9	0	0.0	NA	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	0	0.0	NA	3	0.2
Total	137	9.6		1282	90.1		0	0.0		1423	



X-axis: All sites (Descending order)

Diabetic ketoacidosis (last 12 months) by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	20	5.0	71.4	377	95.0	27.0	397	27.9
T2DM	7	0.7	25.0	979	99.3	70.1	986	69.2
Other	1	2.6	3.6	37	97.4	2.7	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	28	2.0		1396	98.0		1424	

Hyperosmolar hyperglycaemic state (last 12 months) by diabetes type

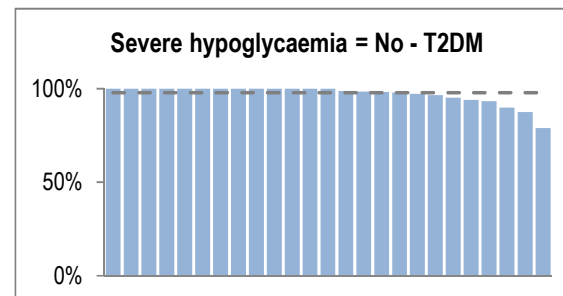
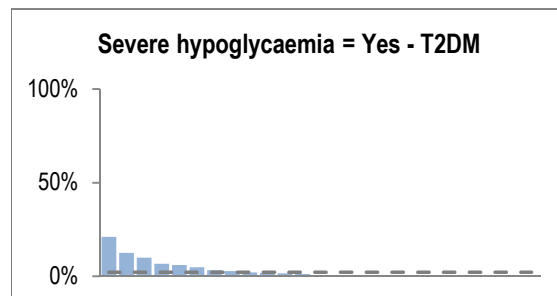
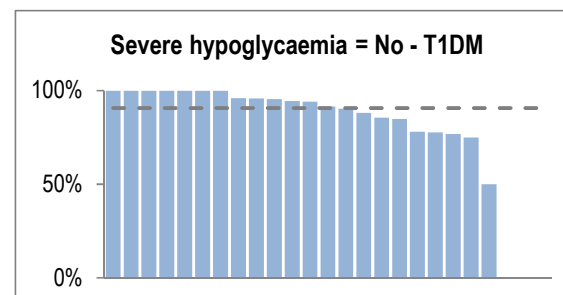
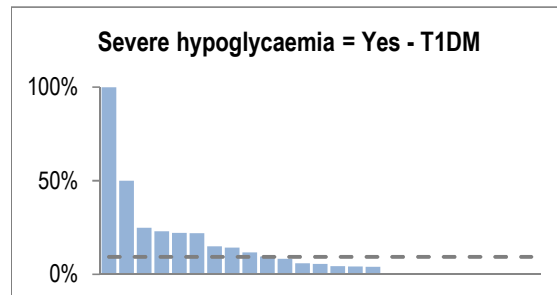
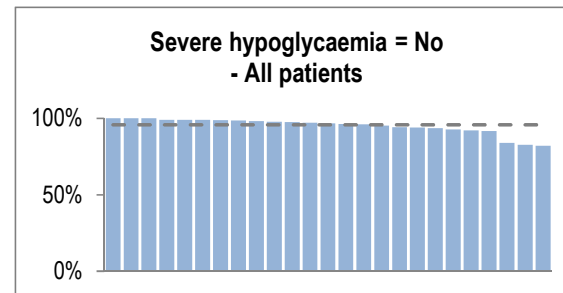
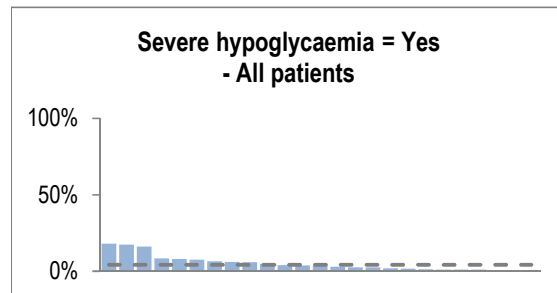
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	0	0.0	0.0	397	100.0	28.0	397	27.9
T2DM	5	0.5	83.3	981	99.5	69.2	986	69.2
Other	0	0.0	0.0	38	100.0	2.7	38	2.7
Don't know	1	33.3	16.7	2	66.7	0.1	3	0.2
Total	6	0.4		1418	99.6		1424	

Impaired awareness of hypoglycaemia (last 12 months) by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	43	10.8	69.4	354	89.2	26.0	397	27.9
T2DM	17	1.7	27.4	969	98.3	71.1	986	69.3
Other	2	5.3	3.2	36	94.7	2.6	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	62	4.4		1362	95.6		1424	

Severe hypoglycaemia (last 12 months) by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	37	9.3	61.7	360	90.7	26.4	397	27.9
T2DM	21	2.1	35.0	964	97.9	70.7	985	69.2
Other	2	5.3	3.3	36	94.7	2.6	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	60	4.2		1363	95.8		1423	

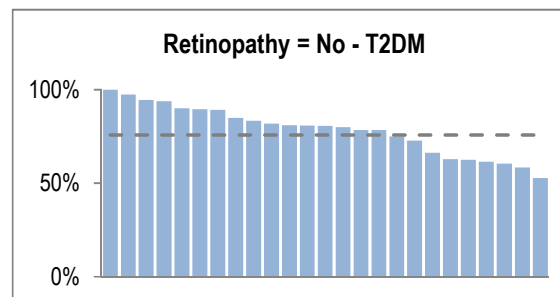
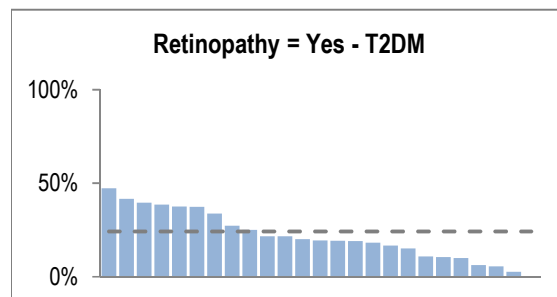
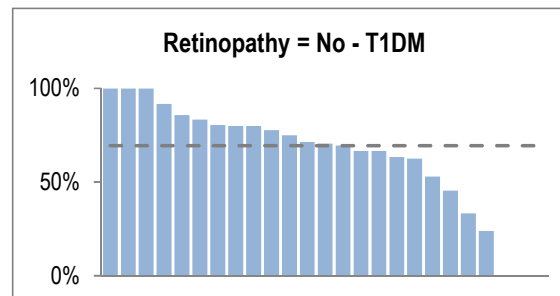
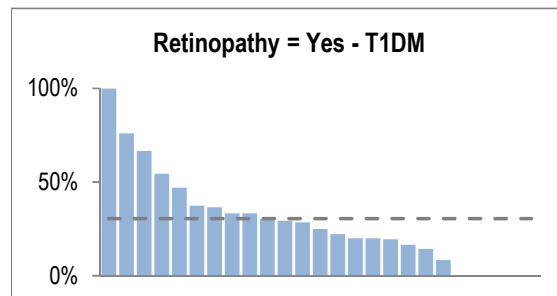
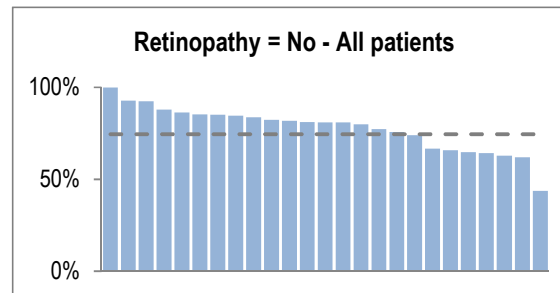
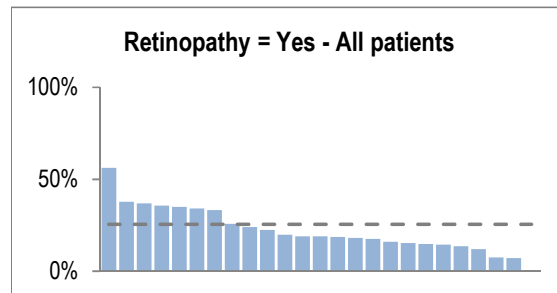


X-axis: All sites (Descending order)

Retinopathy* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	121	30.6	33.3	275	69.4	25.9	396	27.8
T2DM	239	24.2	65.8	747	75.8	70.5	986	69.3
Other	3	7.9	0.8	35	92.1	3.3	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.3	3	0.2
Total	363	25.5		1060	74.5		1423	

*Ever reported (either in the last 12 months or prior to the last 12 months)

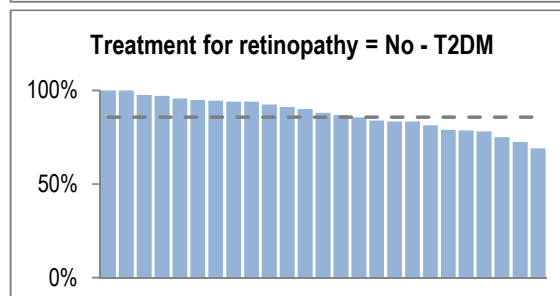
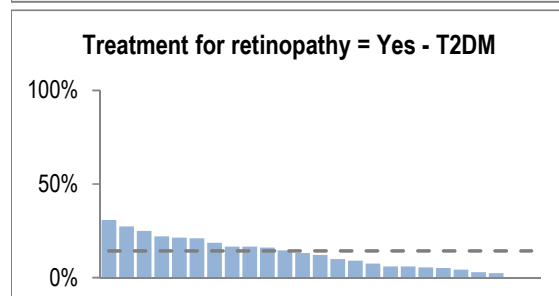
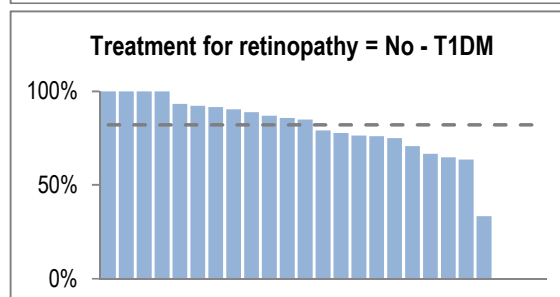
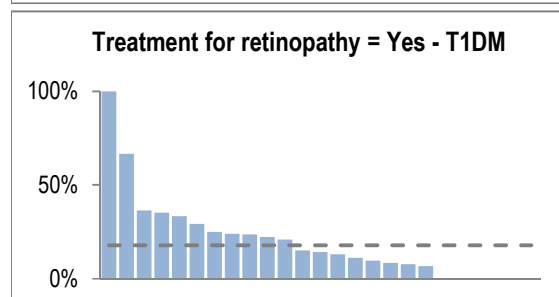
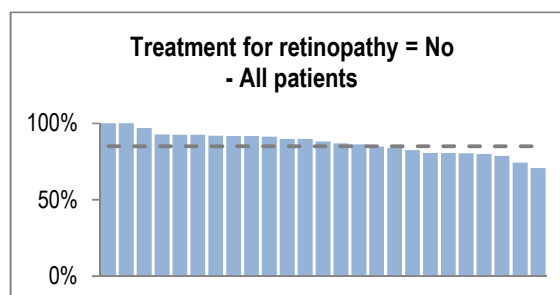
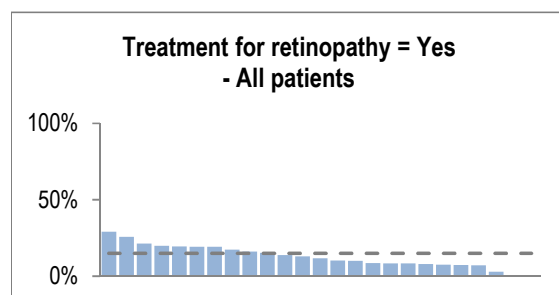


X-axis: All sites (Descending order)

Treatment for retinopathy* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	71	17.9	33.3	326	82.1	26.9	397	27.9
T2DM	141	14.3	66.2	845	85.7	69.8	986	69.3
Other	1	2.6	0.5	37	97.4	3.1	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	213	15.0		1211	85.0		1424	

*Ever reported (either in the last 12 months or prior to the last 12 months)

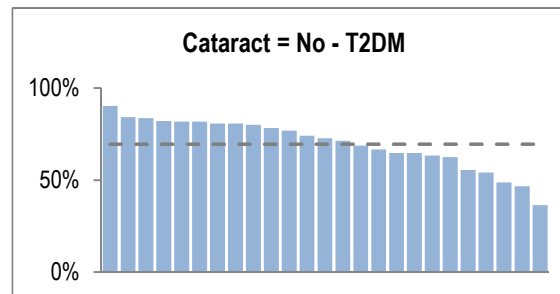
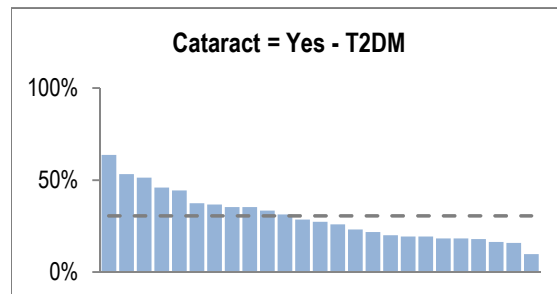
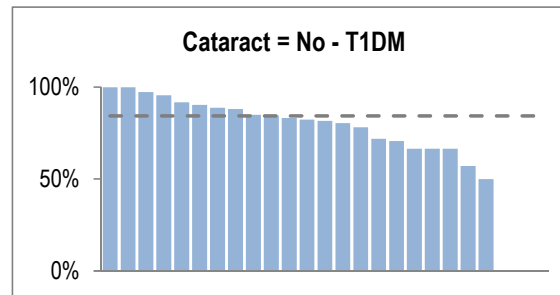
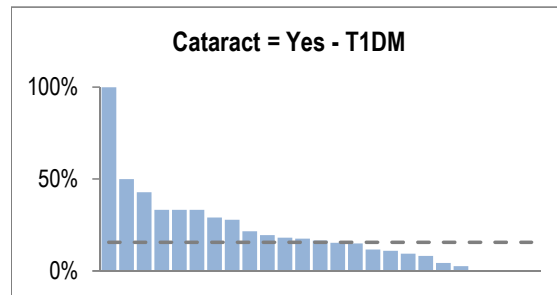
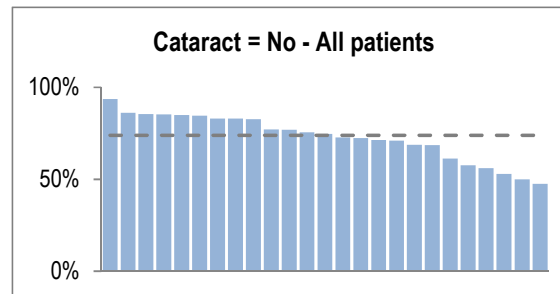
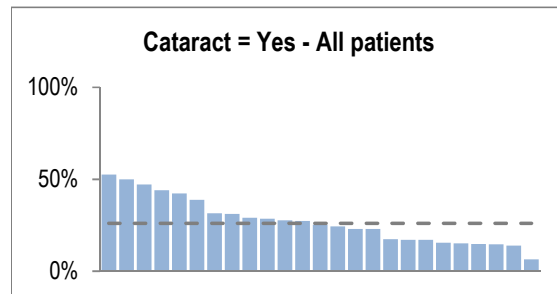


X-axis: All sites (Descending order)

Cataract* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	62	15.6	16.7	335	84.4	31.8	397	27.9
T2DM	301	30.5	81.1	685	69.5	65.1	986	69.3
Other	8	21.1	2.2	30	78.9	2.8	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.3	3	0.2
Total	371	26.1		1053	73.9		1424	

*Ever reported (either in the last 12 months or prior to the last 12 months)

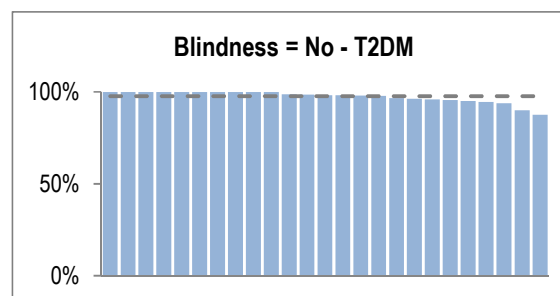
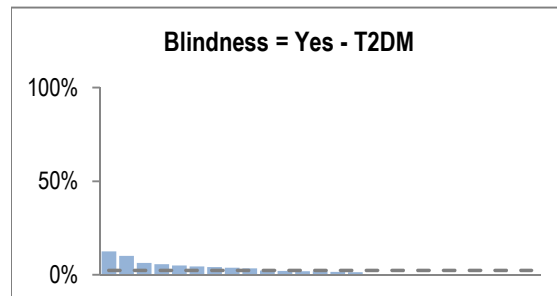
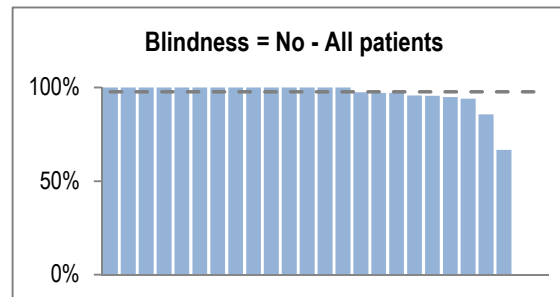
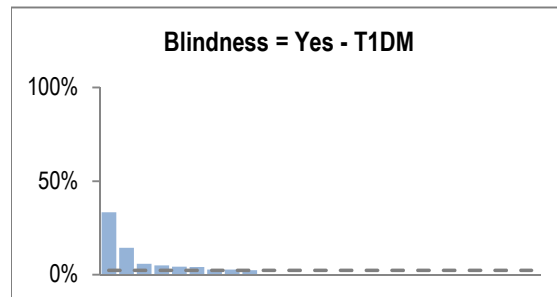
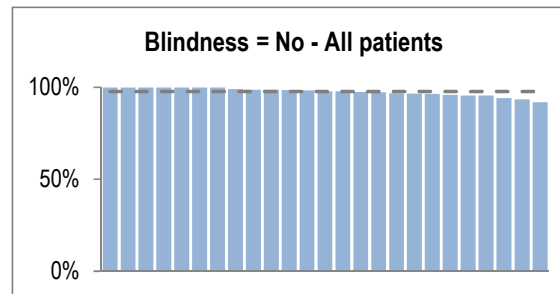
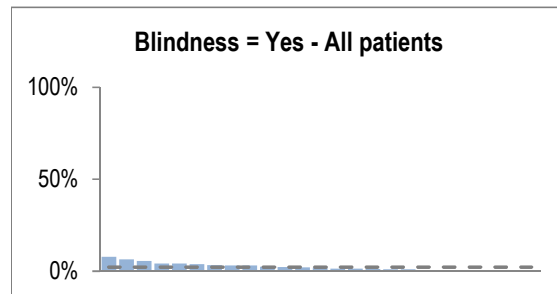


X-axis: All sites (Descending order)

Blindness* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	9	2.3	28.1	388	97.7	27.9	397	27.9
T2DM	23	2.3	71.9	963	97.7	69.2	986	69.3
Other	0	0.0	0.0	38	100.0	2.7	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	32	2.2		1392	97.8		1424	

*Ever reported (either in the last 12 months or prior to the last 12 months)

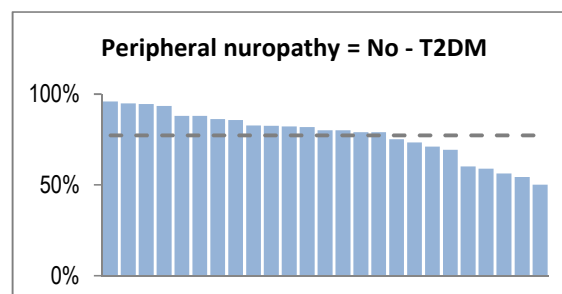
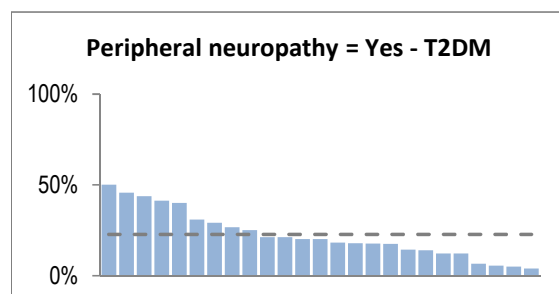
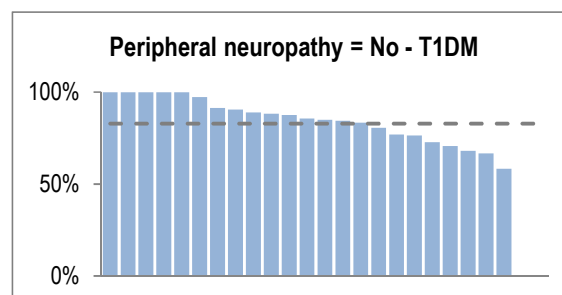
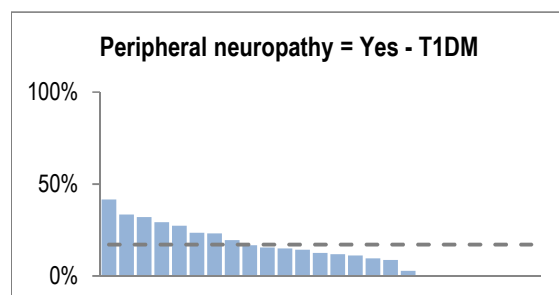
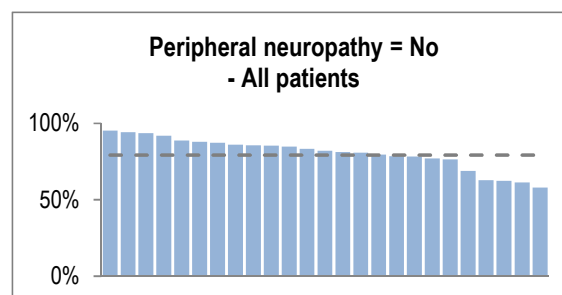
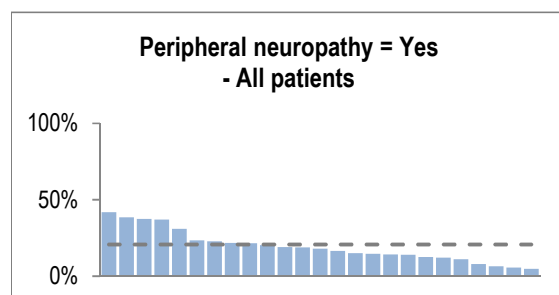


X-axis: All sites (Descending order)

Peripheral neuropathy* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	68	17.1	23.0	329	82.9	29.2	397	27.9
T2DM	224	22.7	75.7	762	77.3	67.6	986	69.3
Other	3	7.9	1.0	35	92.1	3.1	38	2.7
Don't know	1	33.3	0.3	2	66.7	0.2	3	0.2
Total	296	20.8		1128	79.2		1424	

*Ever reported (either in the last 12 months or prior to the last 12 months)

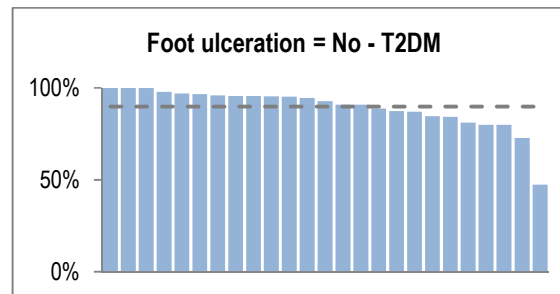
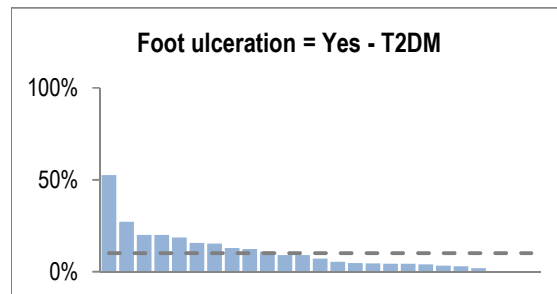
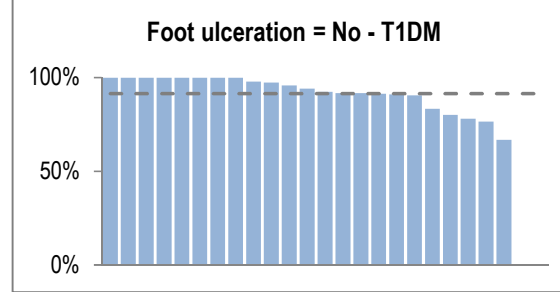
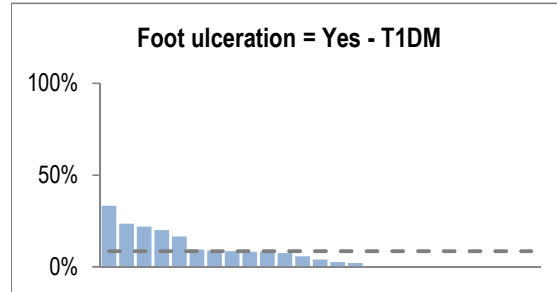
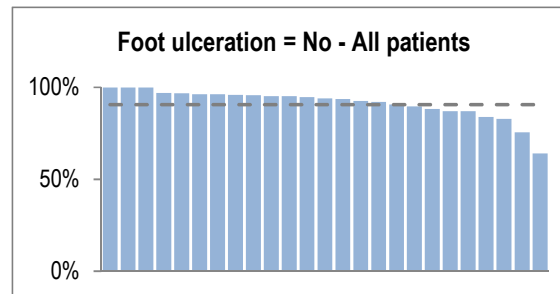
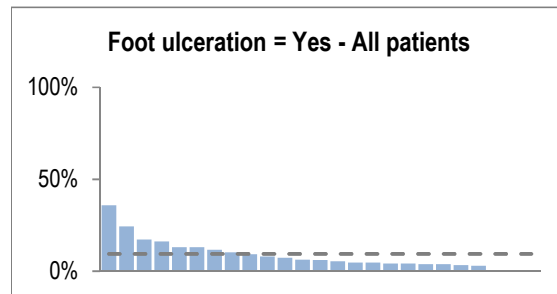


X-axis: All sites (Descending order)

Foot ulceration* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	34	8.6	25.4	363	91.4	28.1	397	27.9
T2DM	100	10.1	74.6	886	89.9	9.1	986	69.3
Other	0	0.0	0.0	38	100.0	2.9	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	134	9.4		1290	90.6		1424	

*Ever reported (either in the last 12 months or prior to the last 12 months)

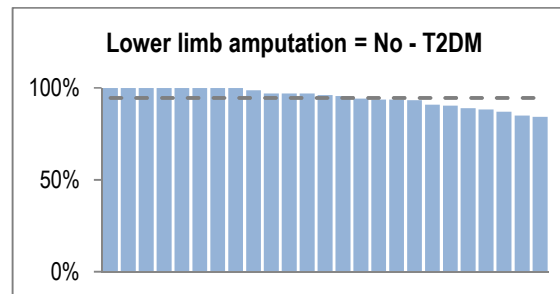
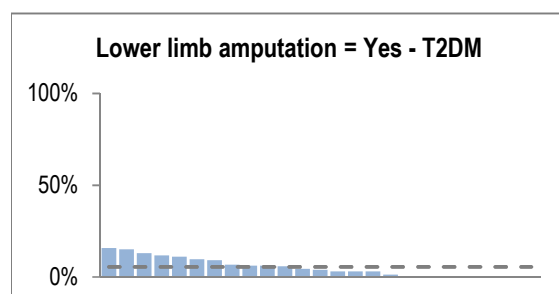
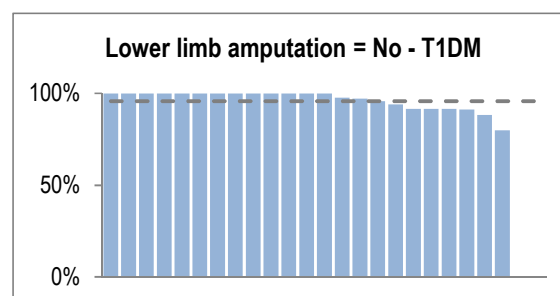
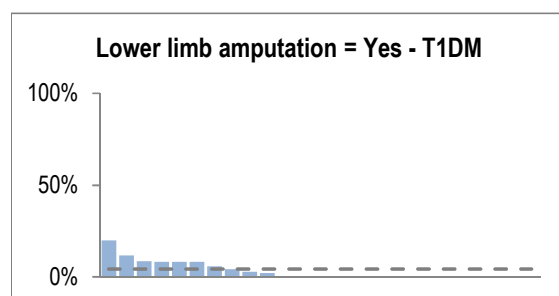
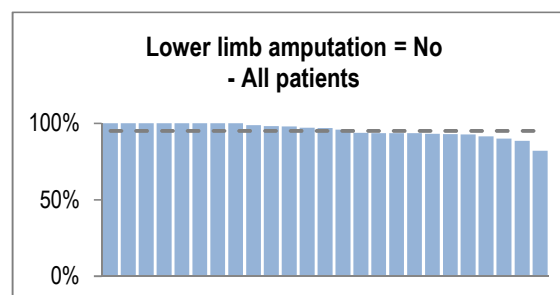
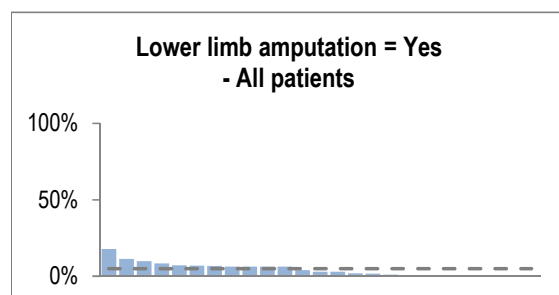


X-axis: All sites (Descending order)

Lower limb amputation* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	17	4.3	23.9	380	95.7	28.1	397	27.9
T2DM	54	5.5	76.1	932	94.5	9.6	986	69.3
Other	0	0.0	0.0	38	100.0	2.8	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	71	5.0		1353	95.0		1424	

*Ever reported (either in the last 12 months or prior to the last 12 months)

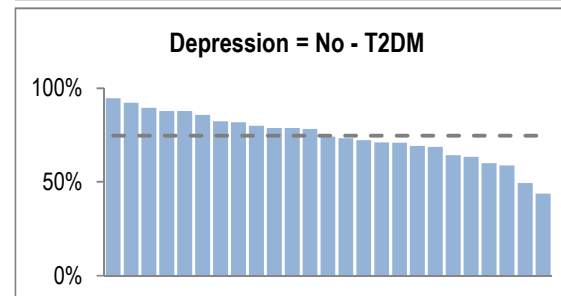
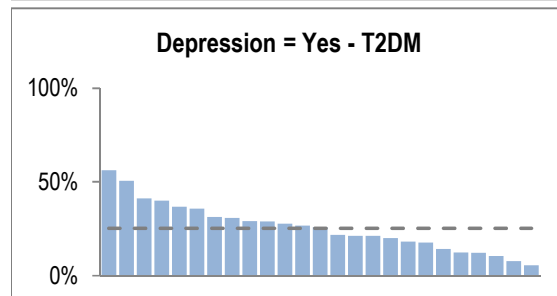
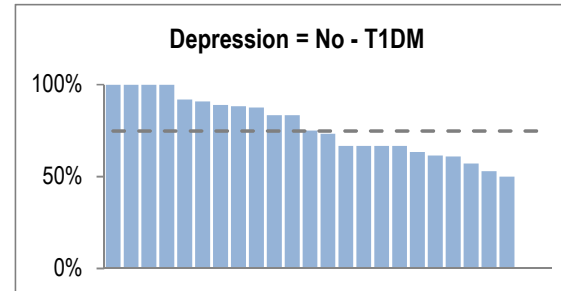
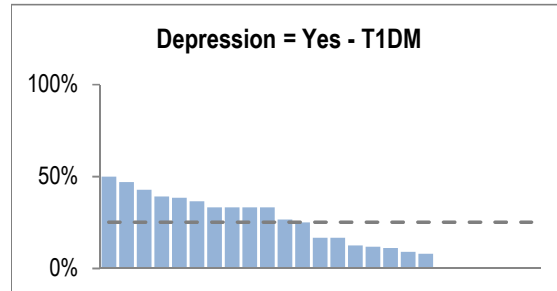
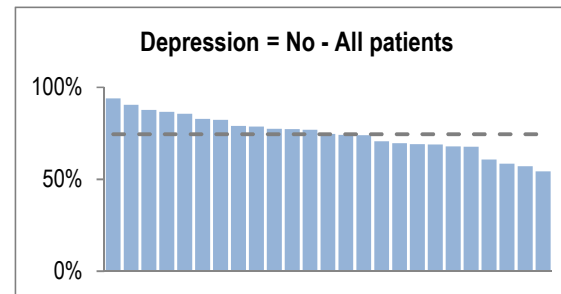
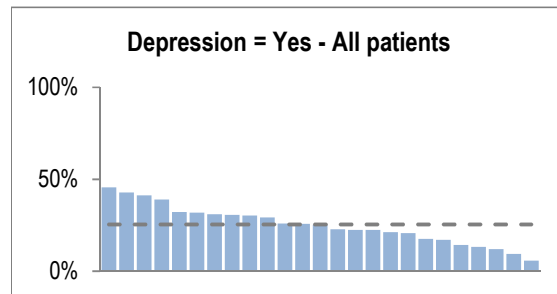


X-axis: All sites (Descending order)

Depression* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	100	25.2	27.6	297	74.8	28.0	397	27.9
T2DM	249	25.3	68.8	736	74.7	7.6	985	69.2
Other	12	31.6	3.3	26	68.4	2.5	38	2.7
Don't know	1	33.3	0.3	2	66.7	0.2	3	0.2
Total	362	25.4		1061	74.6		1423	

*Ever reported (either in the last 12 months or prior to the last 12 months)

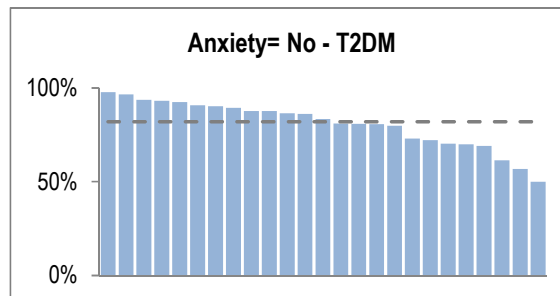
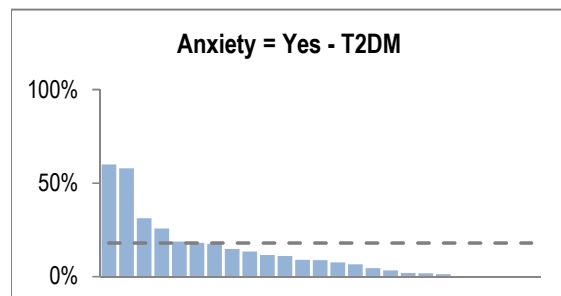
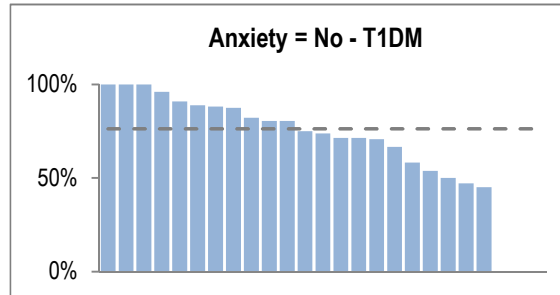
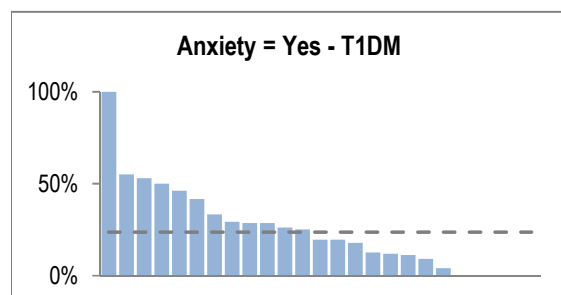
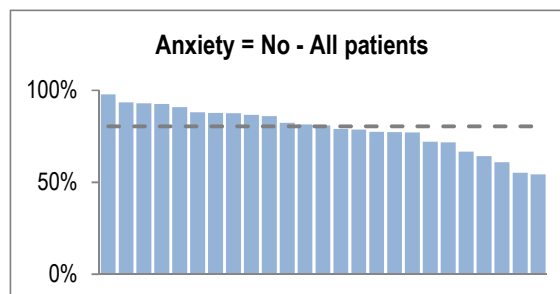
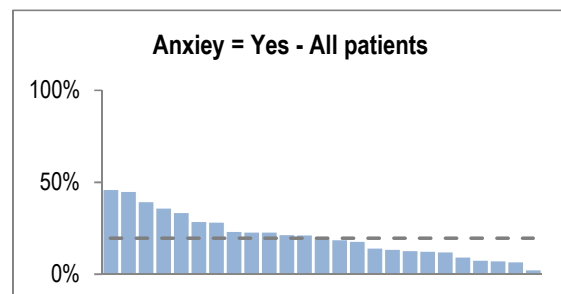


X-axis: All sites (Descending order)

Anxiety* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	94	23.7	33.7	303	76.3	26.5	397	27.9
T2DM	177	18.0	63.4	809	82.0	8.3	986	69.3
Other	7	18.4	2.5	31	81.6	2.7	38	2.7
Don't know	1	33.3	0.4	2	66.7	0.2	3	0.2
Total	279	19.6		1145	80.4		1424	

*Ever reported (either in the last 12 months or prior to the last 12 months)



X-axis: All sites (Descending order)

Dementia* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	1	0.3	5.3	396	99.7	28.2	397	27.9
T2DM	18	1.8	94.7	968	98.2	10.0	986	69.3
Other	0	0.0	0.0	38	100.0	2.7	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	19	1.3		1405	98.7		1424	

*Ever reported (either in the last 12 months or prior to the last 12 months)

Malignancy* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	12	3.0	9.2	385	97.0	29.8	397	27.9
T2DM	111	11.3	85.4	875	88.7	9.0	986	69.3
Other	7	18.4	5.4	31	81.6	2.4	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	130	9.1		1294	90.9		1424	

*Ever reported (either in the last 12 months or prior to the last 12 months)

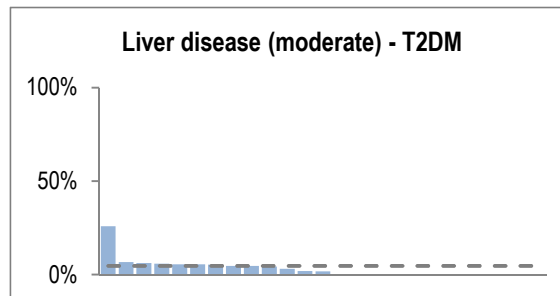
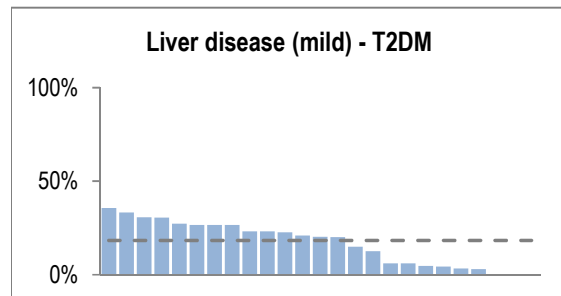
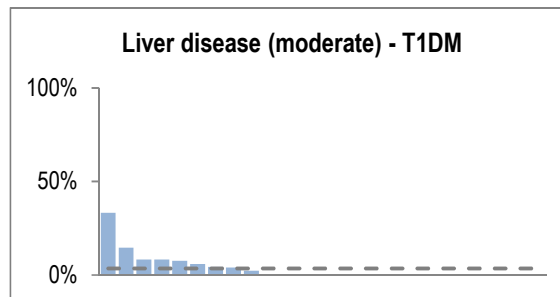
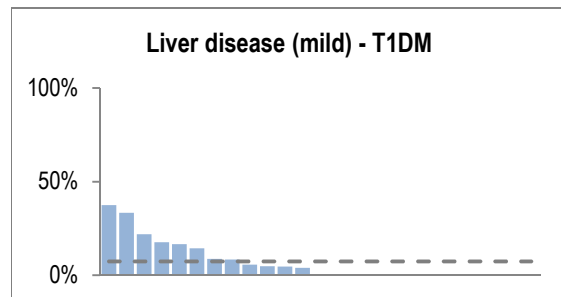
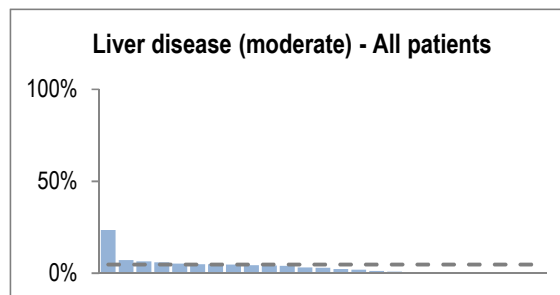
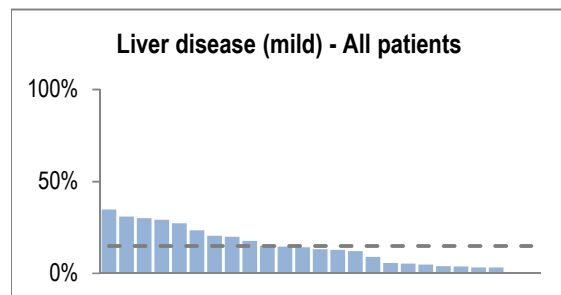
Tested positive to COVID-19* by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	215	55.6	31.3	172	44.4	24.2	387	27.2
T2DM	447	46.0	65.1	525	54.0	5.6	972	68.3
Other	22	59.5	3.2	15	40.5	2.1	37	2.6
Don't know	3	100.0	0.4	0	0.0	0.0	3	0.2
Total	687	49.1		712	50.9		1399	

*Ever reported (either in the last 12 months or prior to the last 12 months)

Liver disease by diabetes type

Diabetes type	Mild			Moderate			Nil (Not graphed)			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	29	7.4	13.7	14	3.6	20.9	351	89.1	30.8	394	27.8
T2DM	180	18.3	85.3	46	4.7	68.7	756	77.0	66.4	982	69.3
Other	2	5.3	0.9	7	18.4	10.4	29	76.3	2.5	38	2.7
Don't know	0	0.0	0.0	0	0.0	0.0	3	100.0	0.3	3	0.2
Total	211	14.9		67	4.7		1139	80.4		1417	

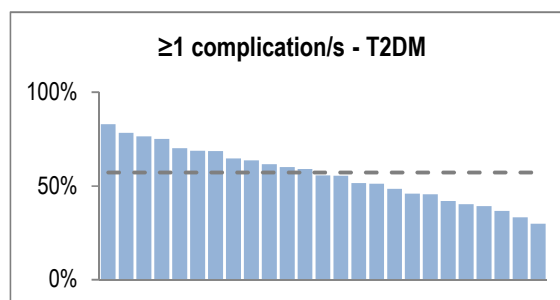
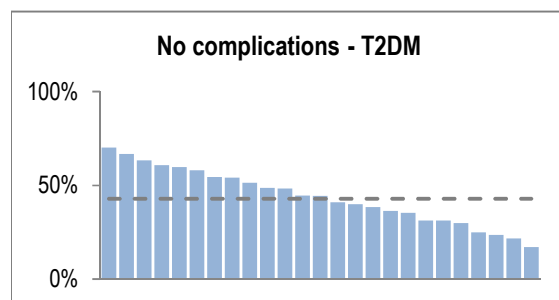
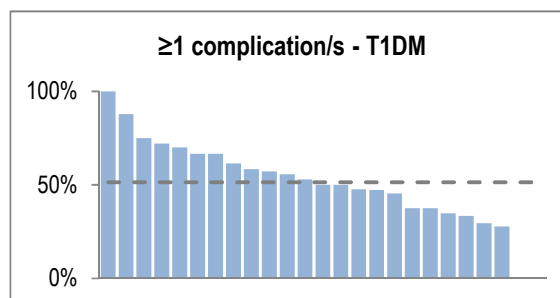
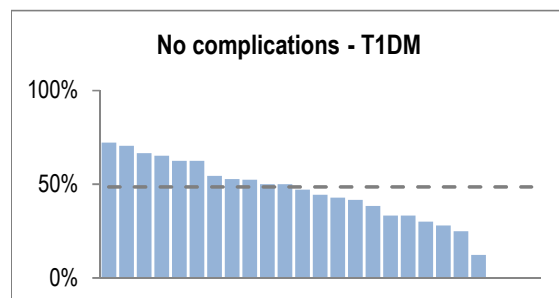
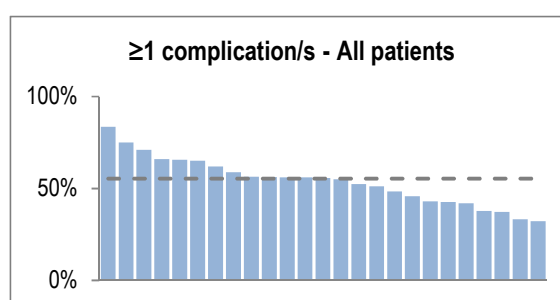
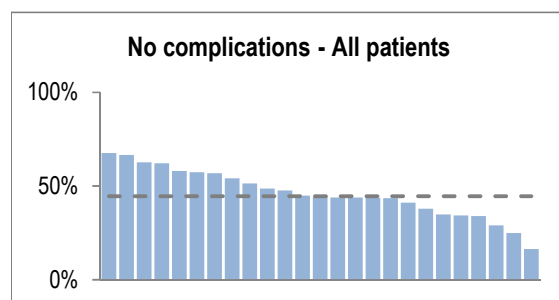


X-axis: All sites (Descending order)

Number of complications* by diabetes type

Diabetes type	0			≥1			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	193	48.6	30.3	204	51.4	25.8	397	27.8
T2DM	423	42.8	66.5	565	57.2	71.5	988	69.3
Other	19	50.0	3.0	19	50.0	2.4	38	2.7
Don't know	1	33.3	0.2	2	66.7	0.3	3	0.2
Total	636	44.6		790	55.4		1426	

*Ever reported (percentage of patients with a diagnosis/detection either in the last 12 months or prior to the last 12 months)

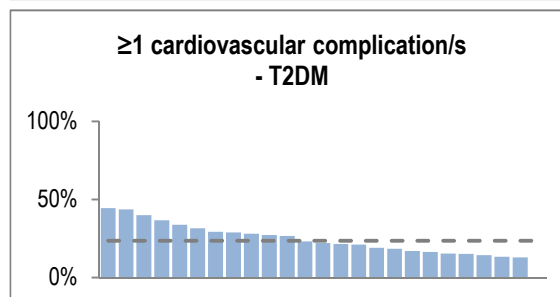
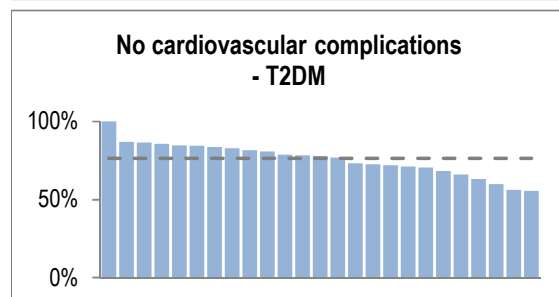
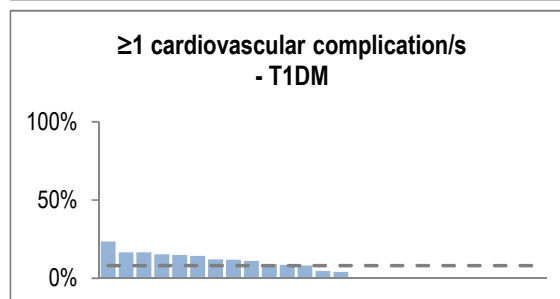
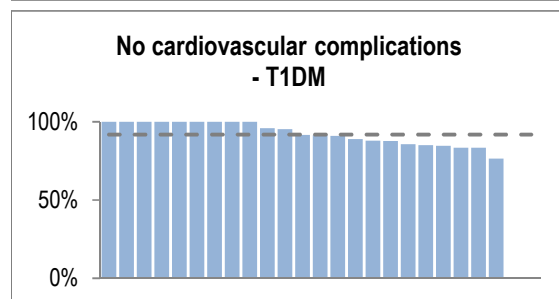
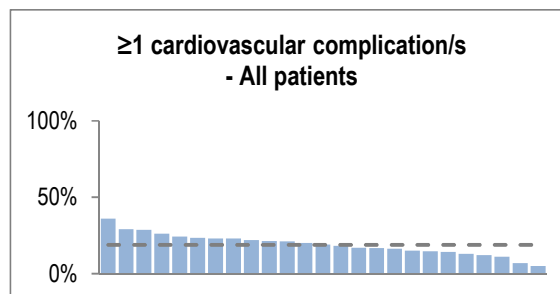
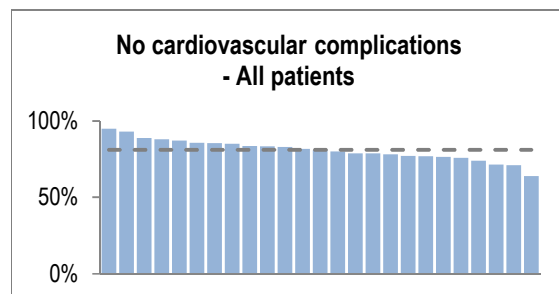


X-axis: All sites (Descending order)

Number of cardiovascular complications* by diabetes type

Diabetes type	0			≥1			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	365	91.9	31.5	32	8.1	11.9	397	27.8
T2DM	755	76.4	65.3	233	23.6	86.6	988	69.3
Other	34	89.5	2.9	4	10.5	1.5	38	2.7
Don't know	3	100.0	0.3	0	0.0	0.0	3	0.2
Total	1157	81.1		269	18.9		1426	

*Ever reported (percentage of patients with a diagnosis/detection either in the last 12 months or prior to the last 12 months)

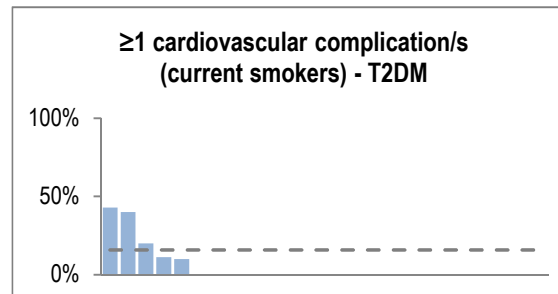
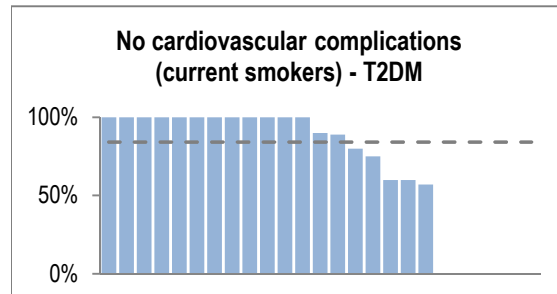
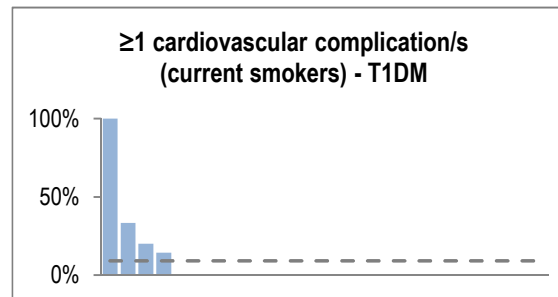
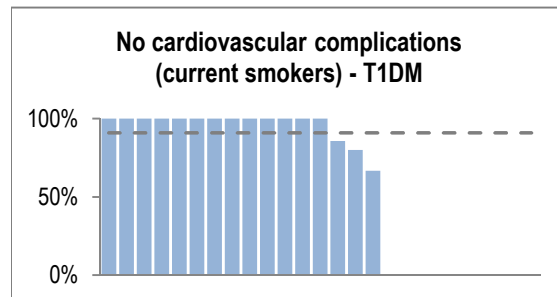
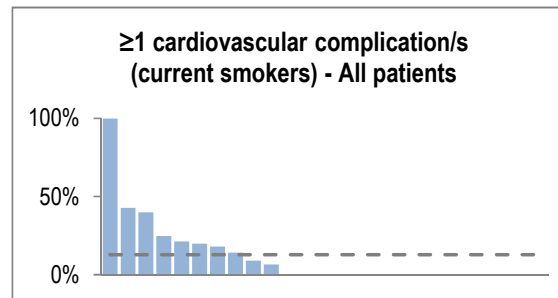
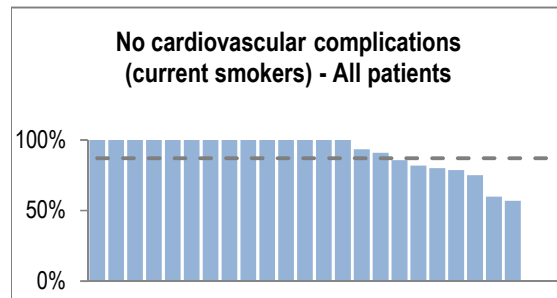


X-axis: All sites (Descending order)

Number of cardiovascular complications* (current smokers) by diabetes type

Diabetes type	0			≥1			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	40	90.9	37.0	4	9.1	25.0	44	35.5
T2DM	64	84.2	59.3	12	15.8	75.0	76	61.3
Other	4	100.0	3.7	0	0.0	0.0	4	3.2
Don't know	NA	NA	NA	NA	NA	NA	NA	NA
Total	108	87.1		16	12.9		124	

*Ever reported (percentage of patients with a diagnosis/detection either in the last 12 months or prior to the last 12 months)

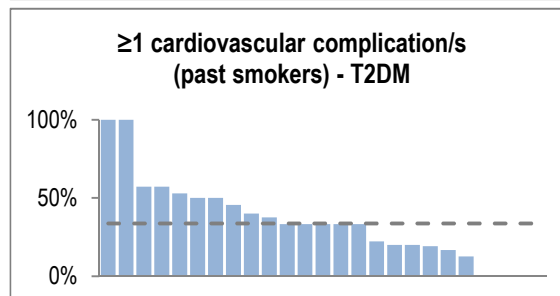
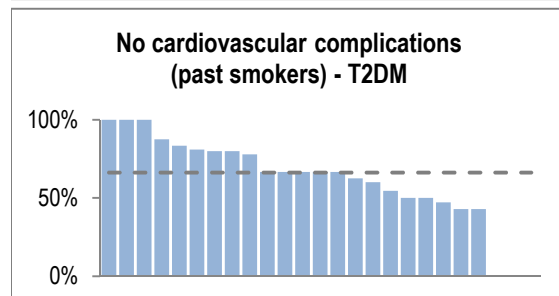
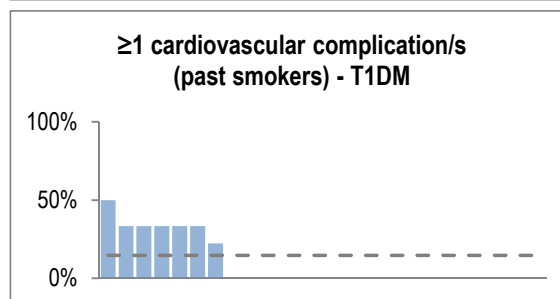
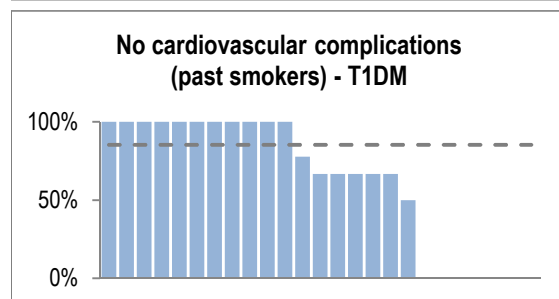
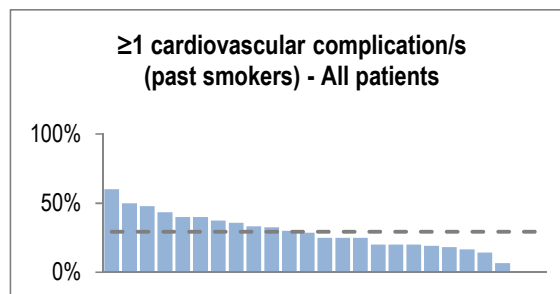
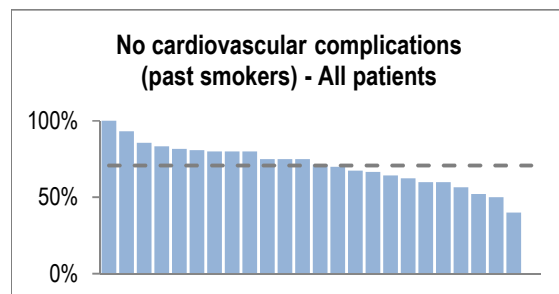


X-axis: All sites (Descending order)

Number of cardiovascular complications* (past smokers) by diabetes type

Diabetes type	0			≥1			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	58	85.3	25.0	10	14.7	10.4	68	20.7
T2DM	163	66.3	70.3	83	33.7	86.5	246	75.0
Other	9	75.0	3.9	3	25.0	3.1	12	3.7
Don't know	2	100.0	0.9	0	0.0	0.0	2	0.6
Total	232	70.7		96	29.3		328	

*Ever reported (percentage of patients with a diagnosis/detection either in the last 12 months or prior to the last 12 months)

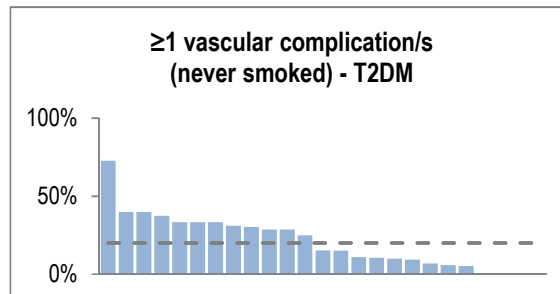
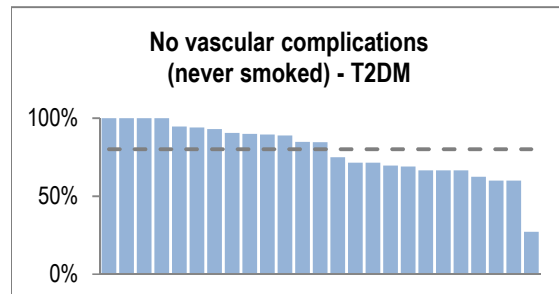
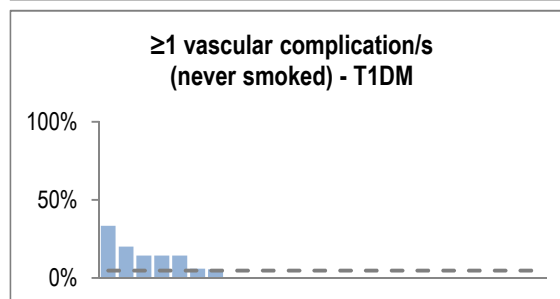
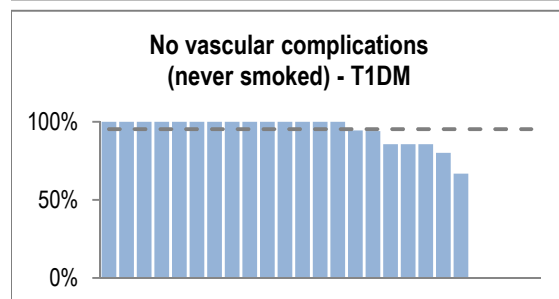
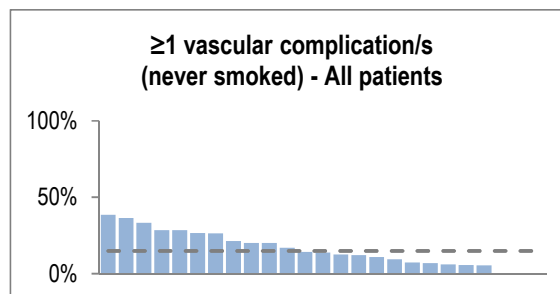
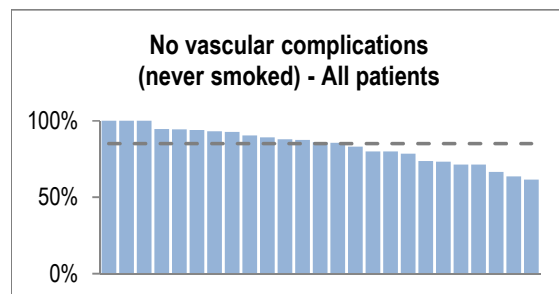


X-axis: All sites (Descending order)

Number of cardiovascular complications* (never smoked) by diabetes type

Diabetes type	0			≥1			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	162	95.3	33.8	8	4.7	9.5	170	30.2
T2DM	304	80.0	63.5	76	20.0	90.5	380	67.5
Other	12	100.0	2.5	0	0.0	0.0	12	2.1
Don't know	1	100.0	0.2	0	0.0	0.0	1	0.2
Total	479	85.1		84	14.9		563	

*Ever reported (percentage of patients with a diagnosis/detection either in the last 12 months or prior to the last 12 months)



X-axis: All sites (Descending order)

Screened for diabetes distress (last 12 months) by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	20	5.1	29.9	375	94.9	27.8	395	27.9
T2DM	44	4.5	65.7	938	95.5	69.4	982	69.3
Other	3	7.9	4.5	35	92.1	2.6	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	67	4.7		1351	95.3		1418	

Screened for depression (last 12 months) by diabetes type

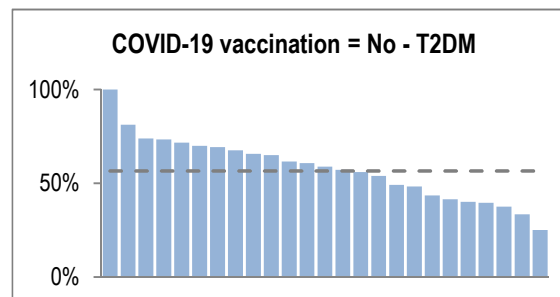
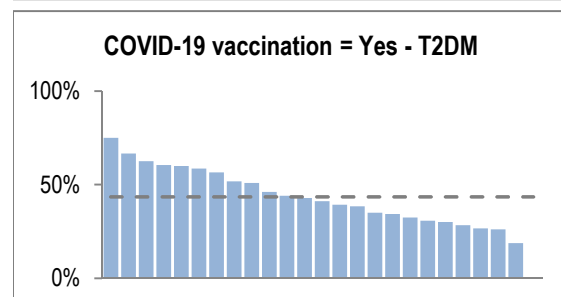
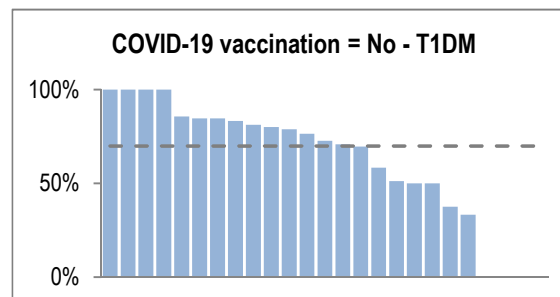
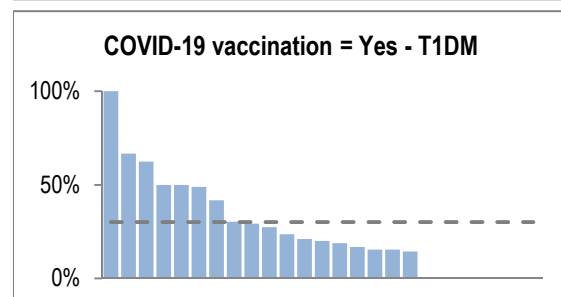
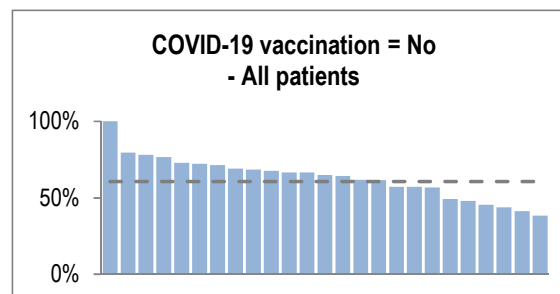
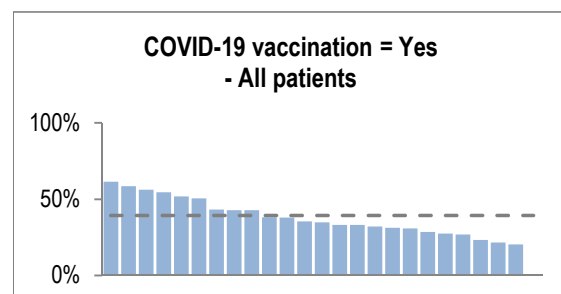
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	40	10.1	28.0	355	89.9	27.8	395	27.9
T2DM	95	9.7	66.4	887	90.3	69.6	982	69.3
Other	8	21.1	5.6	30	78.9	2.4	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	143	10.1		1275	89.9		1418	

Screened for anxiety (last 12 months) by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	36	9.1	29.0	359	90.9	27.7	395	27.9
T2DM	80	8.1	64.5	902	91.9	69.7	982	69.3
Other	8	21.1	6.5	30	78.9	2.3	38	2.7
Don't know	0	0.0	0.0	3	100.0	0.2	3	0.2
Total	124	8.7		1294	91.3		1418	

COVID-19 vaccination (last 6 months) by diabetes type

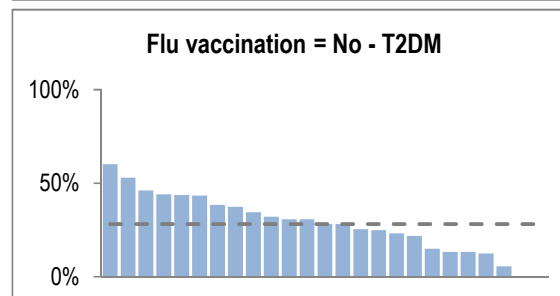
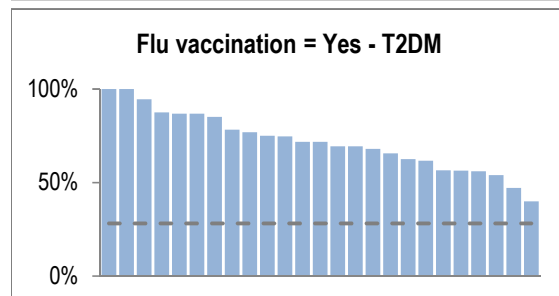
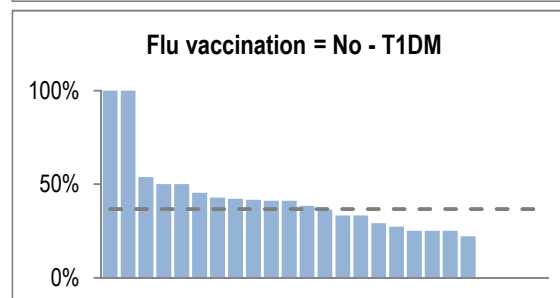
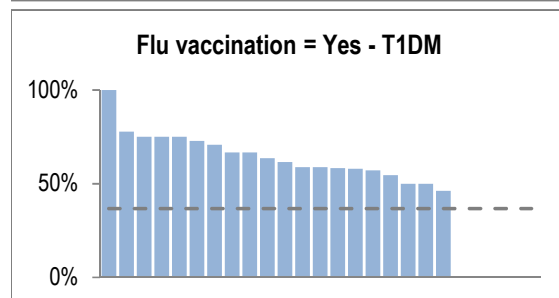
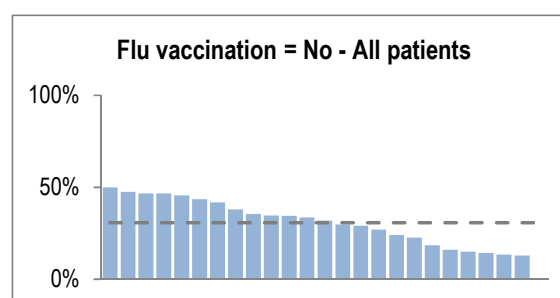
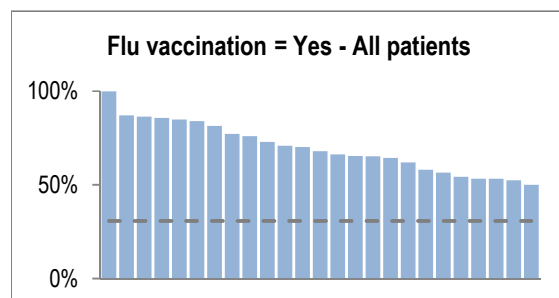
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	92	30.1	21.6	214	69.9	32.7	306	28.3
T2DM	322	43.5	75.8	419	56.5	64.0	741	68.6
Other	11	36.7	2.6	19	63.3	2.9	30	2.8
Don't know	0	0.0	0.0	3	100.0	0.5	3	0.3
Total	425	39.4		655	60.6		1080	



X-axis: All sites (Descending order)

Flu vaccination (last 12 months) by diabetes type

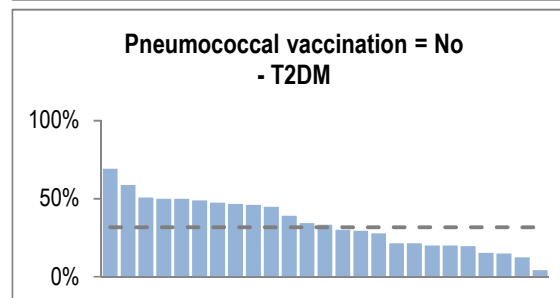
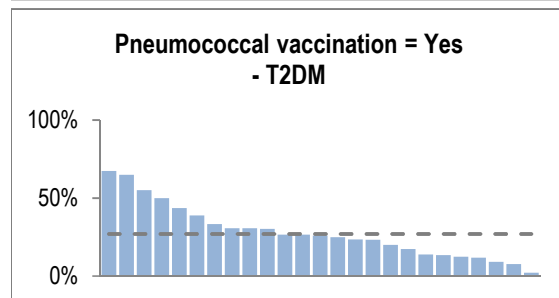
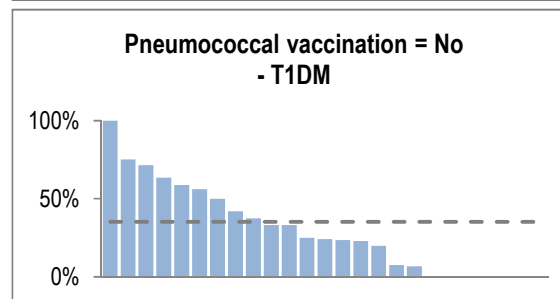
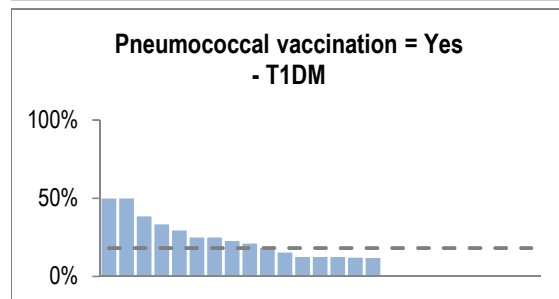
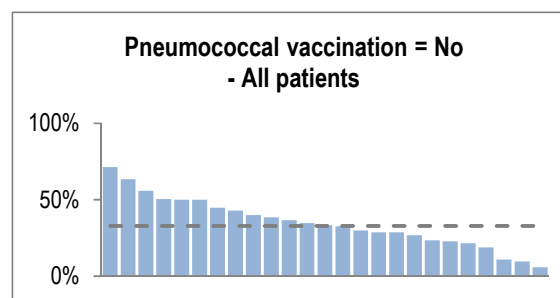
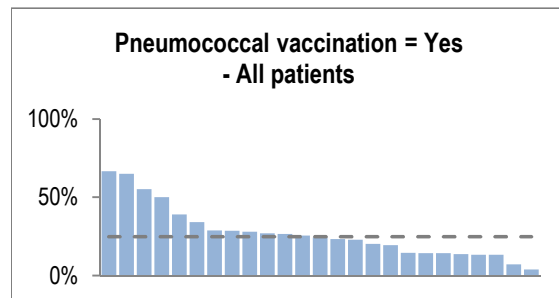
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	193	63.3	25.8	112	36.7	33.7	305	28.2
T2DM	533	71.8	71.3	209	28.2	63.0	742	68.7
Other	20	66.7	2.7	10	33.3	3.0	30	2.8
Don't know	2	66.7	0.3	1	33.3	0.3	3	0.3
Total	748	69.3		332	30.7		1080	



X-axis: All sites (Descending order)

Pneumococcal vaccination (up to date) by diabetes type

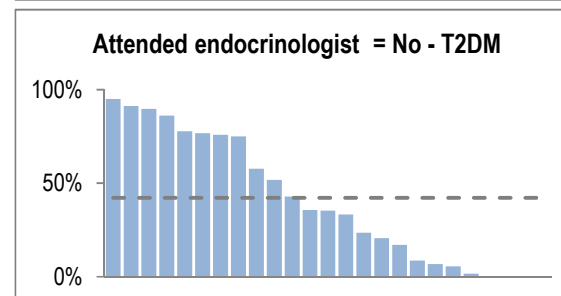
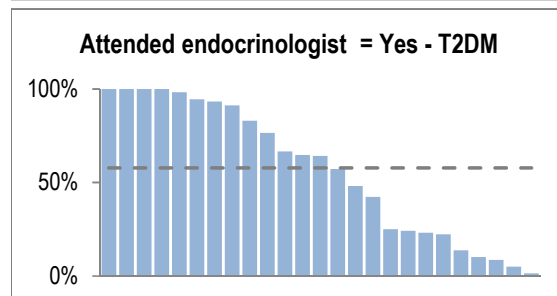
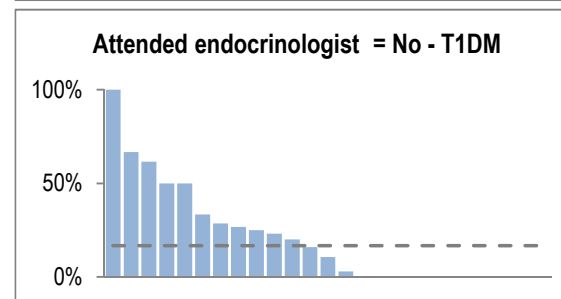
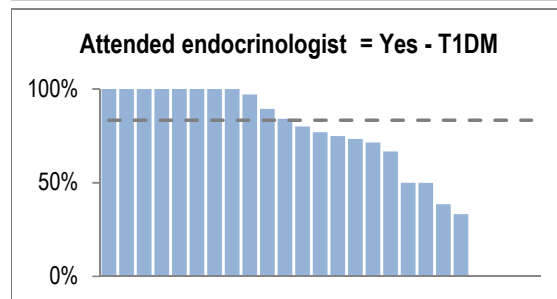
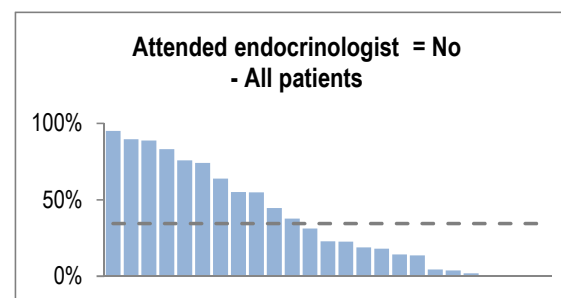
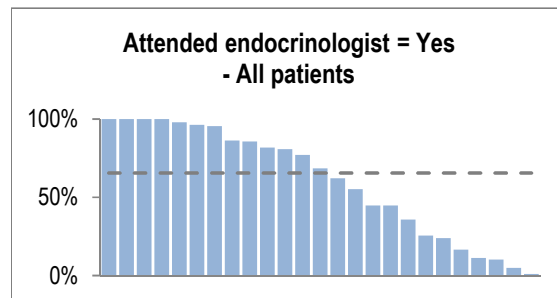
Diabetes type	Yes			No			Unsure			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	55	18.1	20.6	107	35.2	30.2	142	46.7	31.3	304	28.3
T2DM	199	27.0	74.5	234	31.7	66.1	305	41.3	67.2	738	68.7
Other	12	40.0	4.5	11	36.7	3.1	7	23.3	1.5	30	2.8
Don't know	1	33.3	0.4	2	66.7	0.6	0	0.0	0.0	3	0.3
Total	267	24.8		354	32.9		454	42.2		1075	



X-axis: All sites (Descending order)

Attended endocrinologist by diabetes type

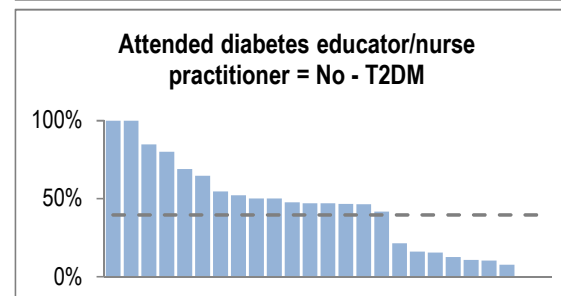
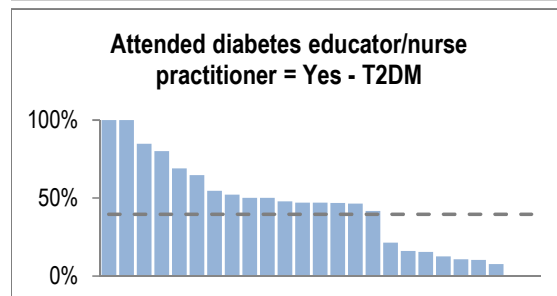
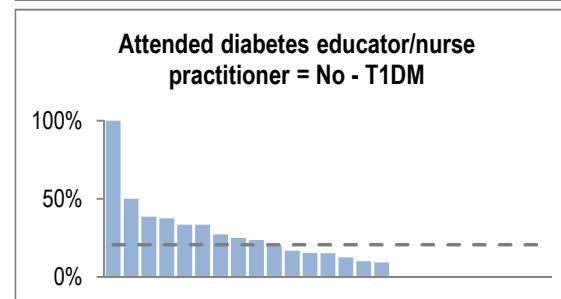
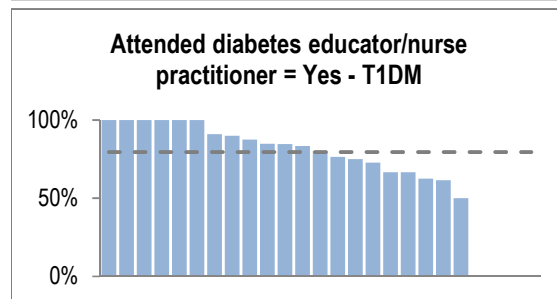
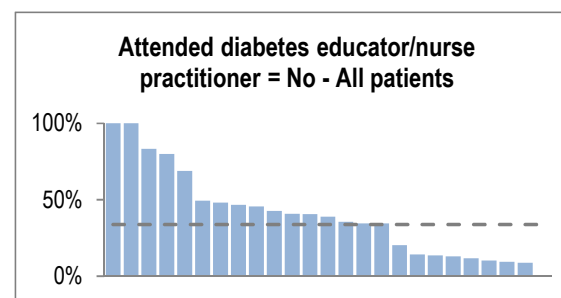
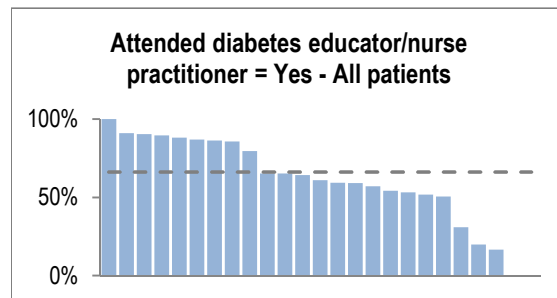
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	255	83.3	35.9	51	16.7	13.7	306	28.3
T2DM	430	57.8	60.6	314	42.2	84.2	744	68.7
Other	22	73.3	3.1	8	26.7	2.1	30	2.8
Don't know	3	100.0	0.4	0	0.0	0.0	3	0.3
Total	710	65.6		373	34.4		1083	



X-axis: All sites (Descending order)

Attended diabetes educator/nurse practitioner by diabetes type

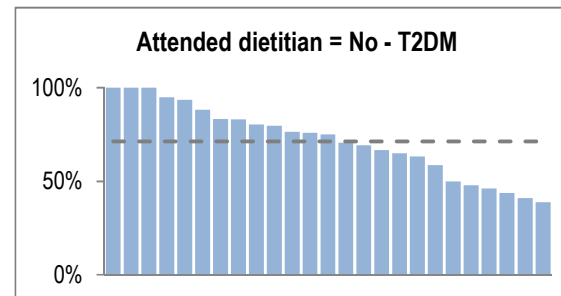
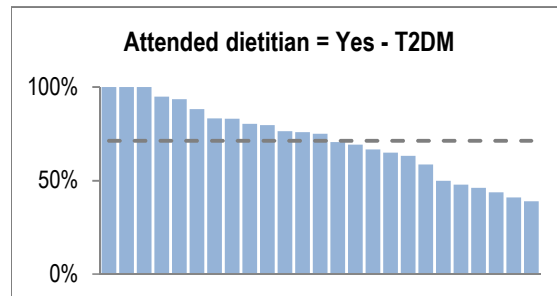
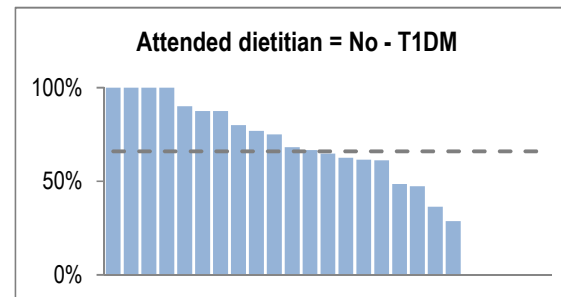
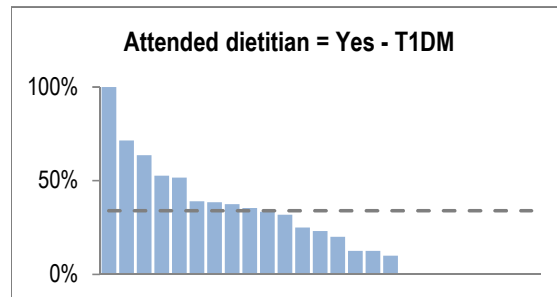
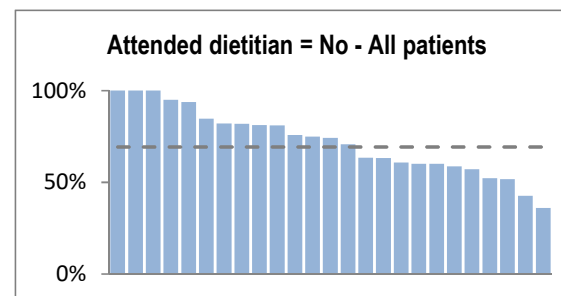
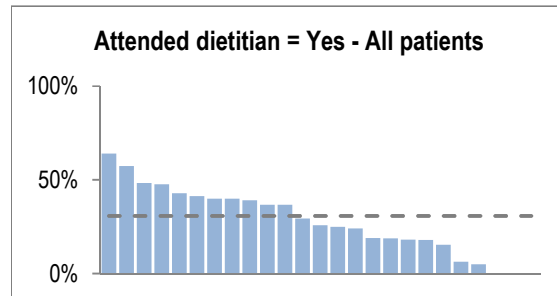
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	244	79.5	34.0	63	20.5	17.2	307	28.3
T2DM	450	60.4	62.7	295	39.6	80.4	745	68.7
Other	21	70.0	2.9	9	30.0	2.5	30	2.8
Don't know	3	100.0	0.4	0	0.0	0.0	3	0.3
Total	718	66.2		367	33.8		1085	



X-axis: All sites (Descending order)

Attended dietitian by diabetes type

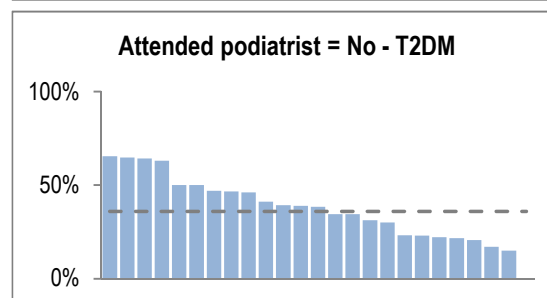
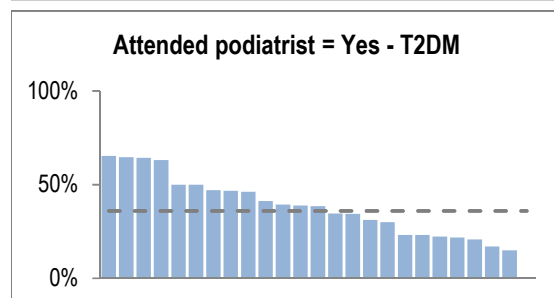
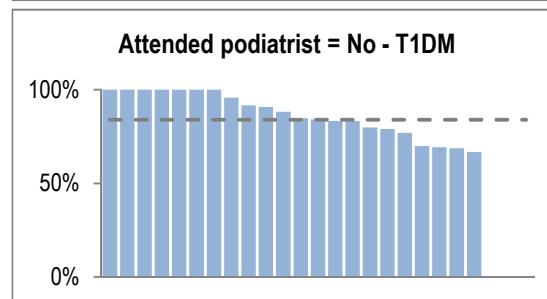
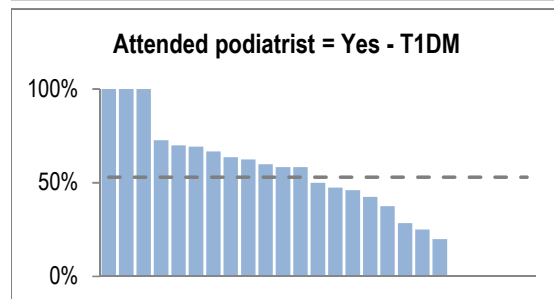
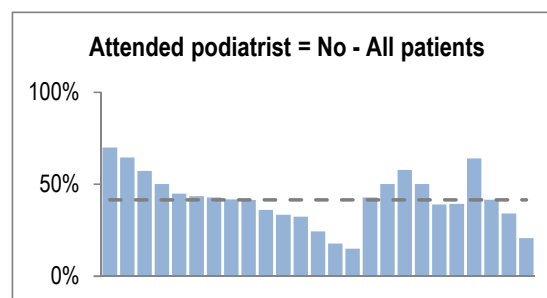
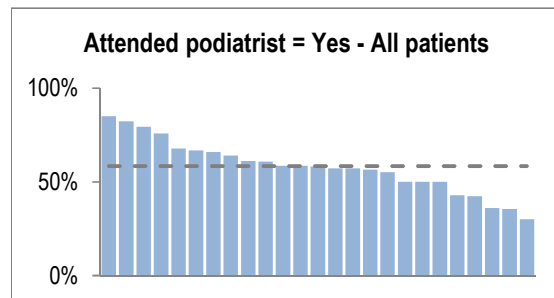
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	104	34.0	31.2	202	66.0	26.9	306	28.3
T2DM	214	28.8	64.3	530	71.2	70.7	744	68.7
Other	13	43.3	3.9	17	56.7	2.3	30	2.8
Don't know	2	66.7	0.6	1	33.3	0.1	3	0.3
Total	333	30.7		750	69.3		1083	



X-axis: All sites (Descending order)

Attended podiatrist by diabetes type

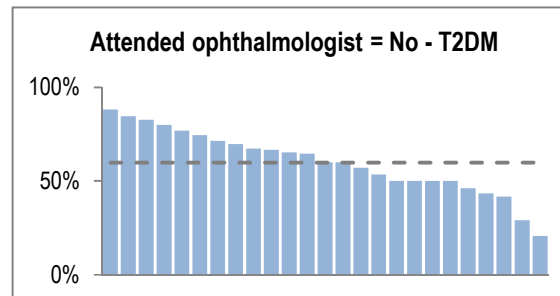
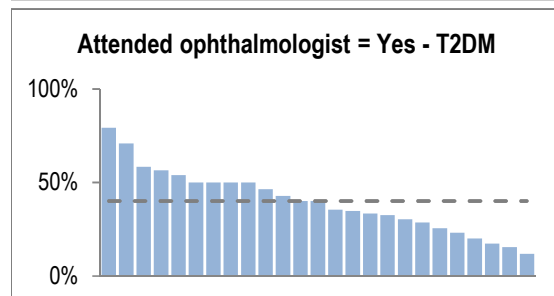
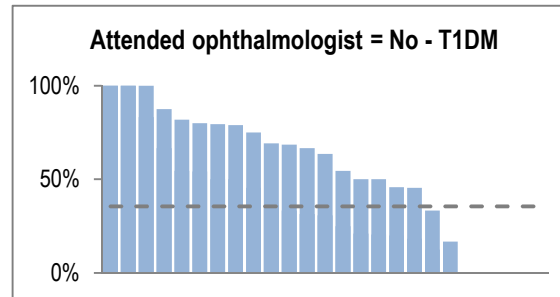
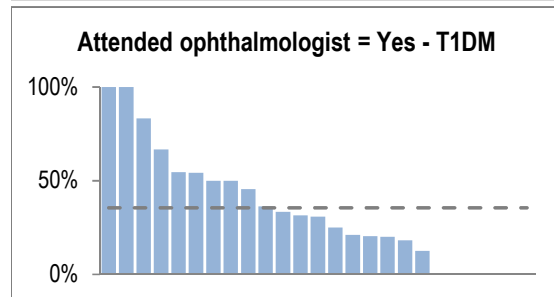
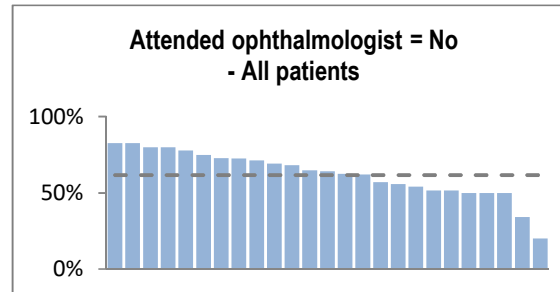
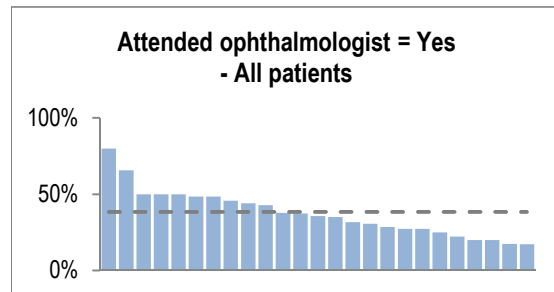
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	145	47.1	22.9	163	52.9	36.2	308	28.4
T2DM	475	64.0	75.0	267	36.0	59.3	742	68.5
Other	12	40.0	1.9	18	60.0	4.0	30	2.8
Don't know	1	33.3	0.2	2	66.7	0.4	3	0.3
Total	633	58.4		450	41.6		1083	



X-axis: All sites (Descending order)

Attended ophthalmologist by diabetes type

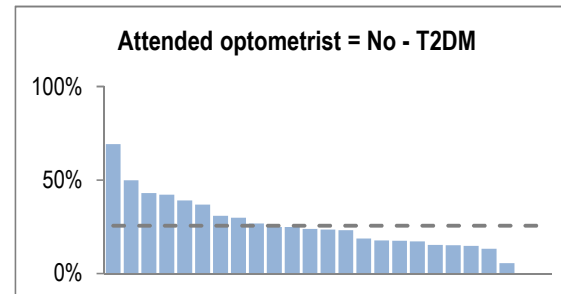
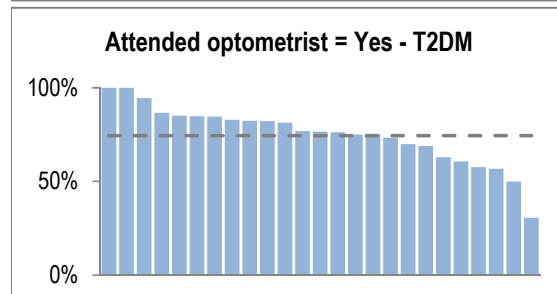
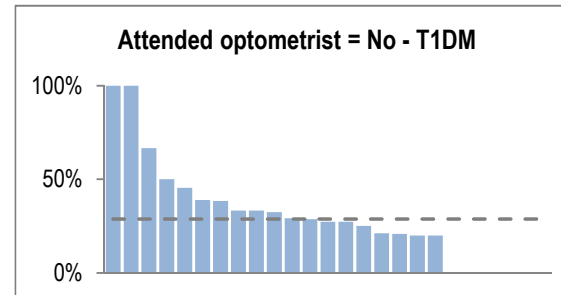
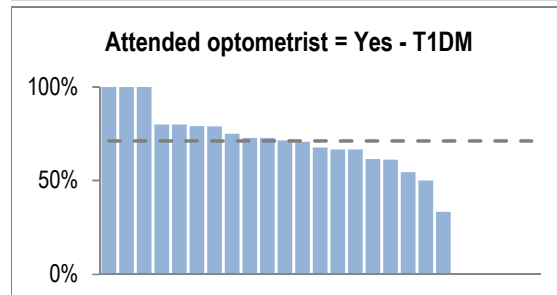
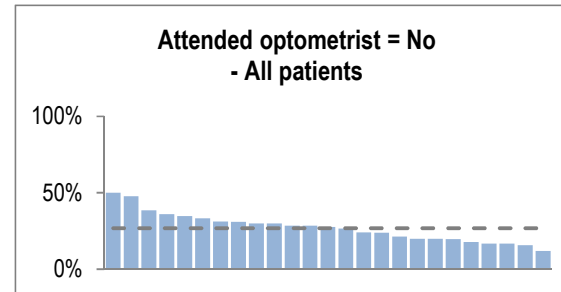
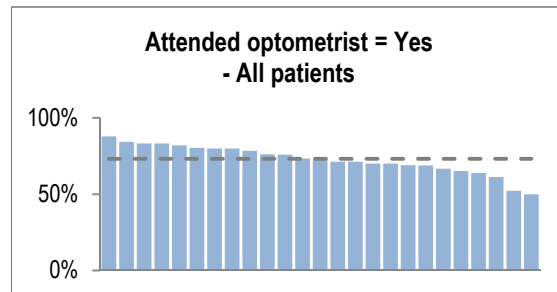
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	108	35.5	26.3	196	64.5	29.7	304	28.4
T2DM	295	40.1	71.8	440	59.9	66.8	735	68.7
Other	8	27.6	1.9	21	72.4	3.2	29	2.7
Don't know	0	0.0	0.0	2	100.0	0.3	2	0.2
Total	411	38.4		659	61.6		1070	



X-axis: All sites (Descending order)

Attended optometrist by diabetes type

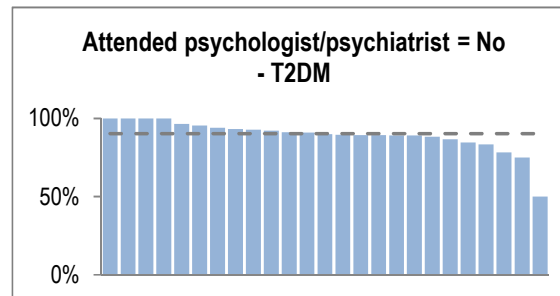
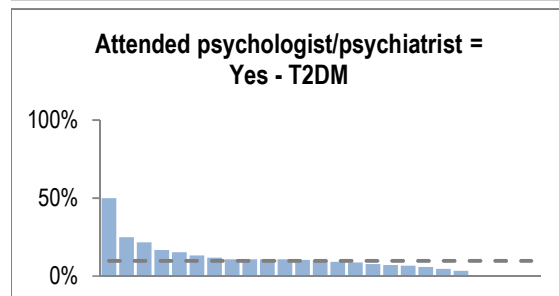
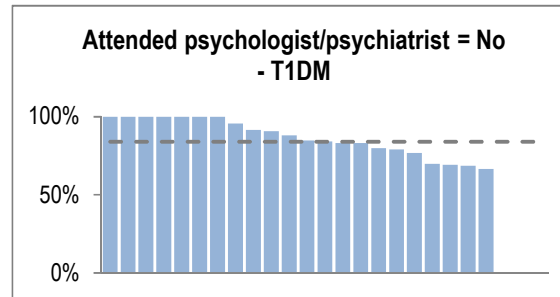
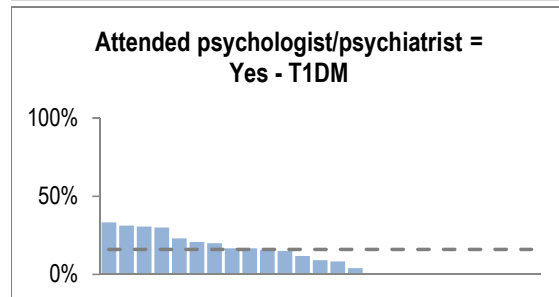
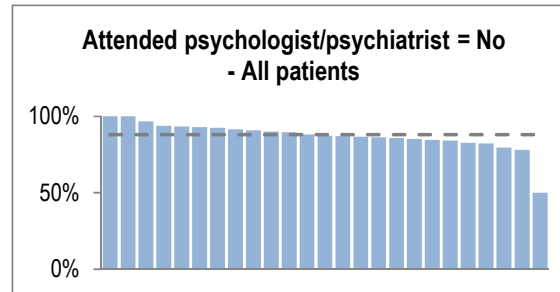
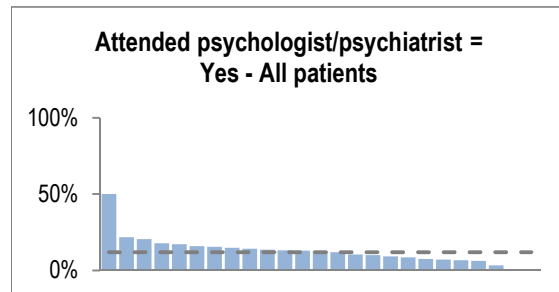
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	218	71.2	27.6	88	28.8	30.4	306	28.4
T2DM	550	74.4	69.7	189	25.6	65.4	739	68.6
Other	19	63.3	2.4	11	36.7	3.8	30	2.8
Don't know	2	66.7	0.3	1	33.3	0.3	3	0.3
Total	789	73.2		289	26.8		1078	



X-axis: All sites (Descending order)

Attended psychologist/psychiatrist by diabetes type

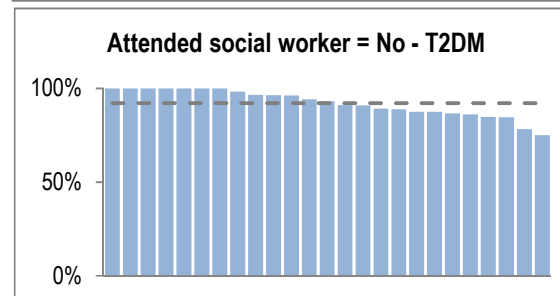
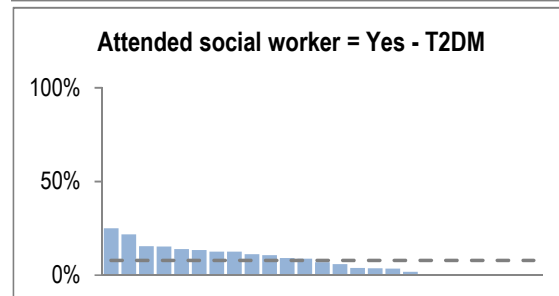
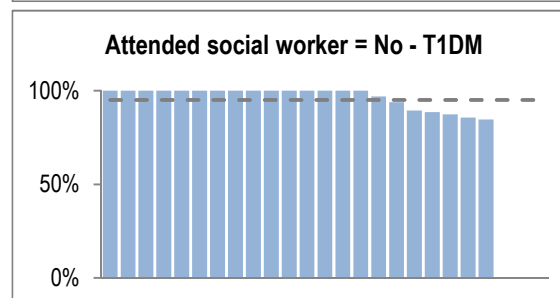
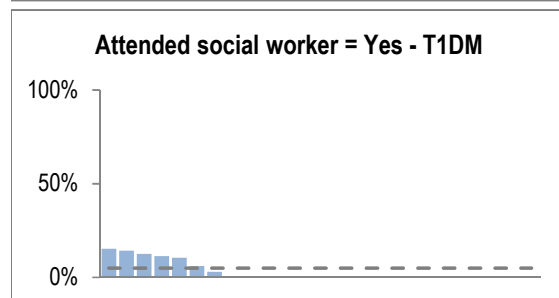
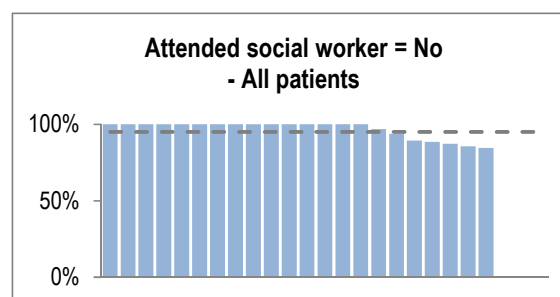
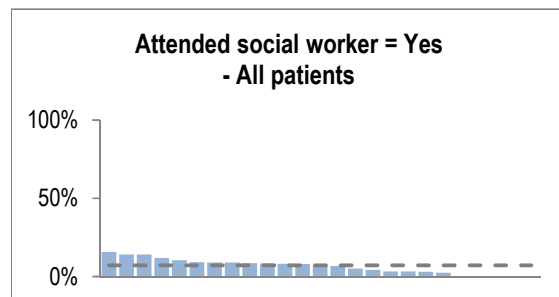
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	49	16.0	38.0	257	84.0	27.1	306	28.4
T2DM	72	9.7	55.8	668	90.3	70.3	740	68.6
Other	7	23.3	5.4	23	76.7	2.4	30	2.8
Don't know	1	33.3	0.8	2	66.7	0.2	3	0.3
Total	129	12.0		950	88.0		1079	



X-axis: All sites (Descending order)

Attended social worker by diabetes type

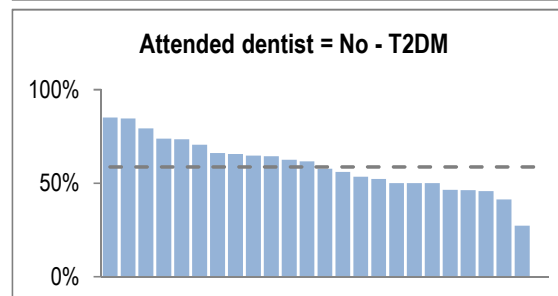
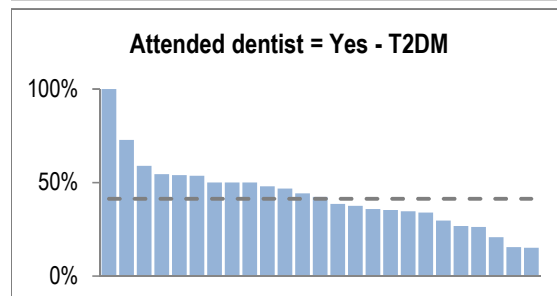
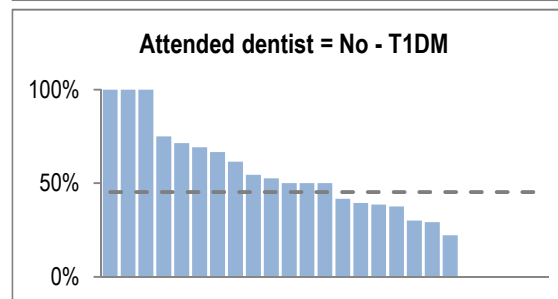
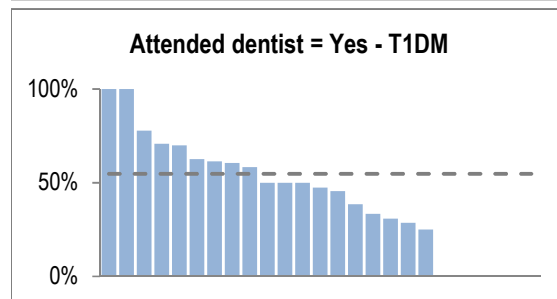
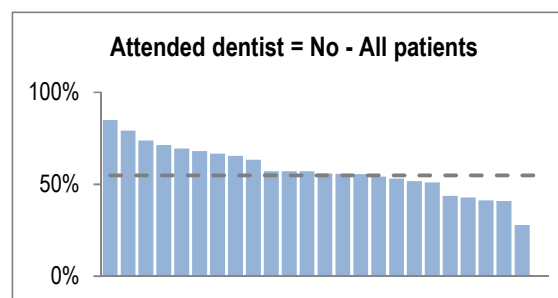
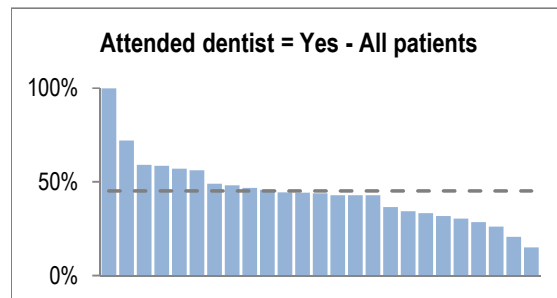
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	15	4.9	19.5	290	95.1	29.0	305	28.3
T2DM	58	7.9	75.3	680	92.1	68.1	738	68.6
Other	3	10.0	3.9	27	90.0	2.7	30	2.8
Don't know	1	33.3	1.3	2	66.7	0.2	3	0.3
Total	77	7.2		999	92.8		1076	



X-axis: All sites (Descending order)

Attended dentist by diabetes type

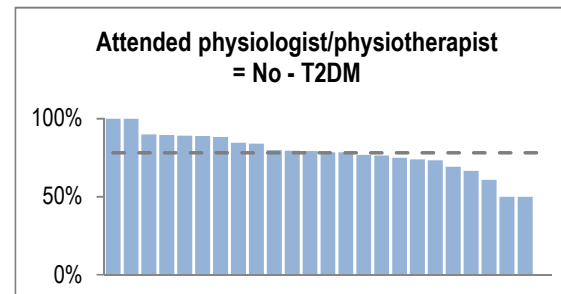
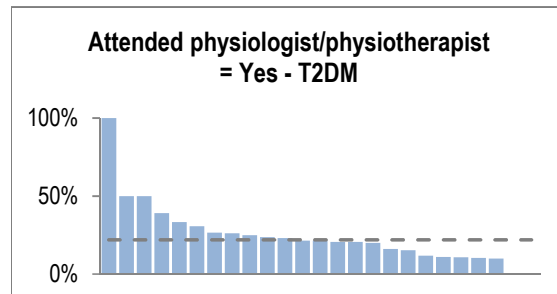
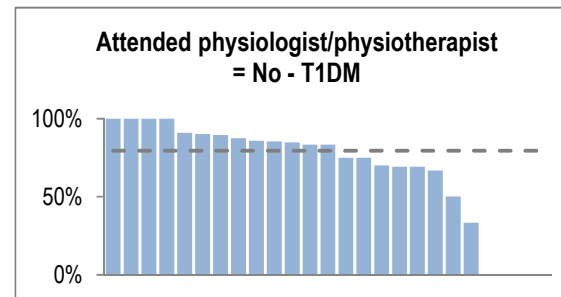
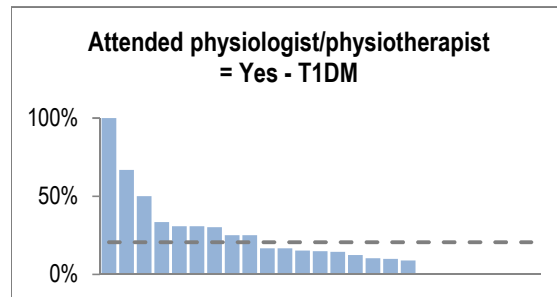
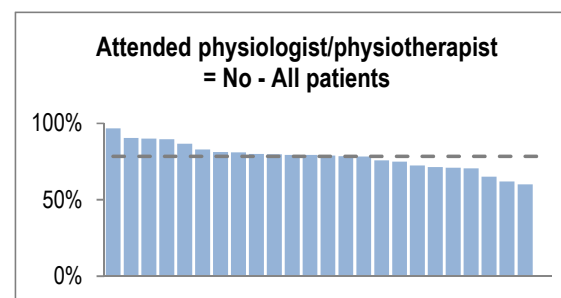
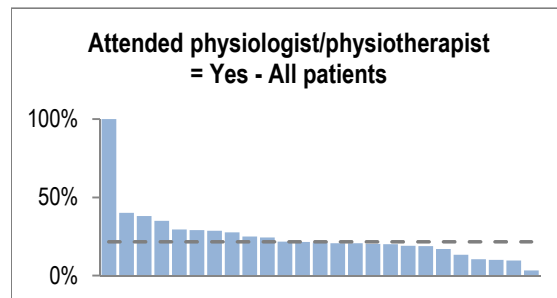
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	168	54.7	34.6	139	45.3	23.6	307	28.5
T2DM	304	41.3	62.6	432	58.7	73.2	736	68.4
Other	12	40.0	2.5	18	60.0	3.1	30	2.8
Don't know	2	66.7	0.4	1	33.3	0.2	3	0.3
Total	486	45.2		590	54.8		1076	



X-axis: All sites (Descending order)

Attended exercise physiologist/physiotherapist by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	63	20.5	26.9	244	79.5	28.7	307	28.3
T2DM	163	21.9	69.7	581	78.1	68.4	744	68.6
Other	7	23.3	3.0	23	76.7	2.7	30	2.8
Don't know	1	33.3	0.4	2	66.7	0.2	3	0.3
Total	234	21.6		850	78.4		1084	



X-axis: All sites (Descending order)

Needed an ambulance by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	28	9.1	46.7	279	90.9	27.2	307	28.3
T2DM	29	3.9	48.3	716	96.1	69.9	745	68.7
Other	2	6.7	3.3	28	93.3	2.7	30	2.8
Don't know	1	33.3	1.7	2	66.7	0.2	3	0.3
Total	60	5.5		1025	94.5		1085	

Attended the emergency department by diabetes type

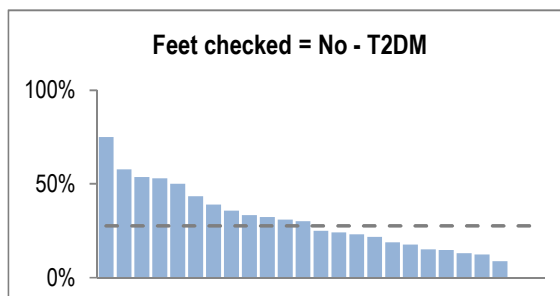
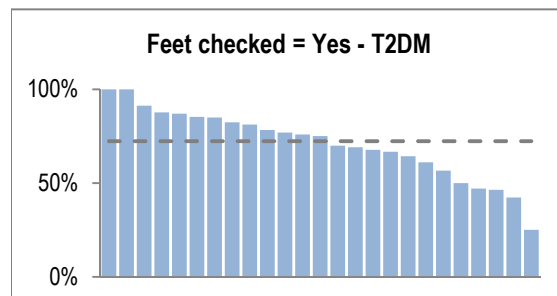
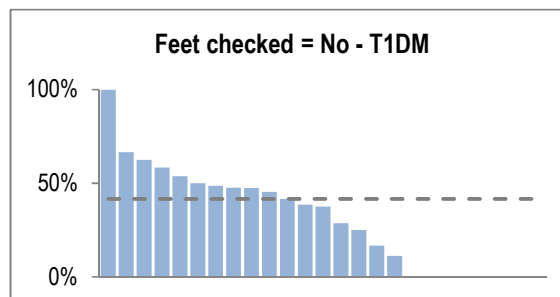
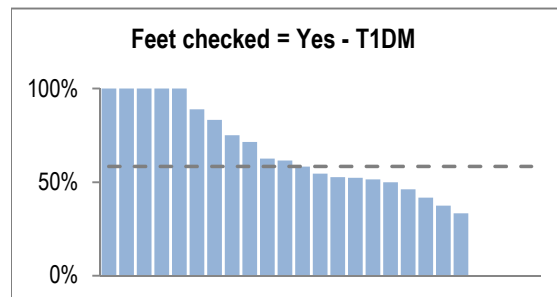
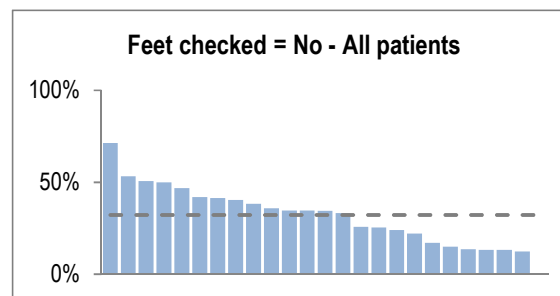
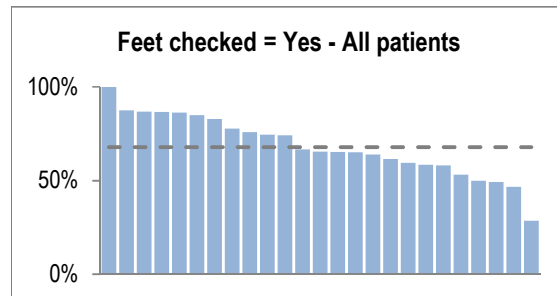
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	38	12.4	40.9	268	87.6	27.1	306	28.2
T2DM	51	6.9	54.8	692	93.1	70.0	743	68.5
Other	3	10.0	3.2	27	90.0	2.7	30	2.8
Don't know	1	33.3	1.1	2	66.7	0.2	3	0.3
Total	93	8.6		989	91.4		1082	

Forget to take medications by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	58	19.0	31.4	248	81.0	27.6	306	28.2
T2DM	119	16.0	64.3	624	84.0	69.6	743	68.5
Other	8	26.7	4.3	22	73.3	2.5	30	2.8
Don't know	0	0.0	0.0	3	100.0	0.3	3	0.3
Total	185	17.1		897	82.9		1082	

Feet checked by health professional (last 12 months) by diabetes type

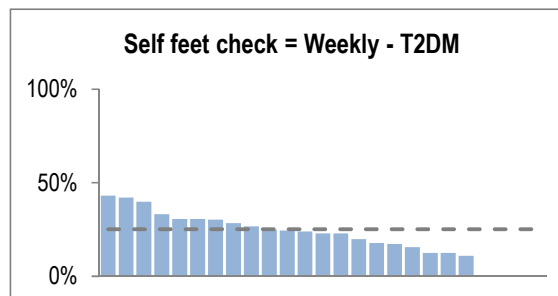
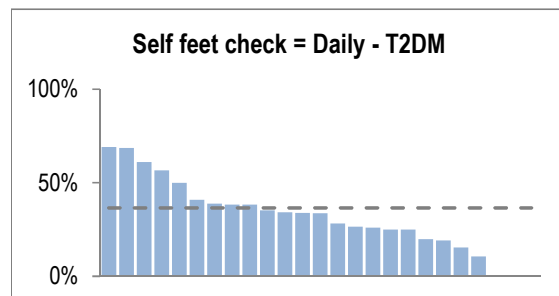
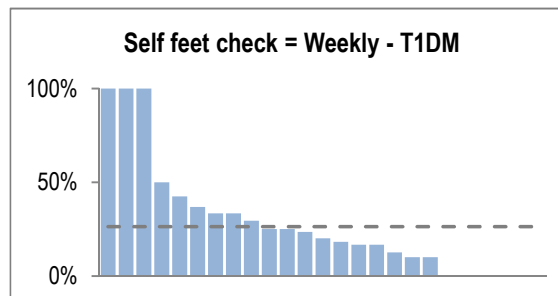
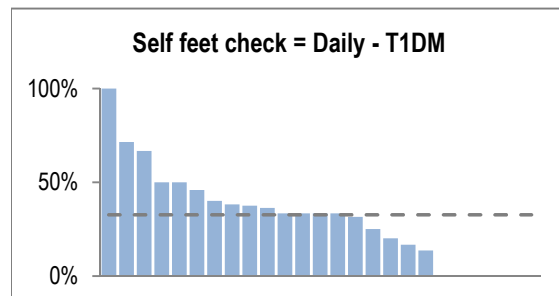
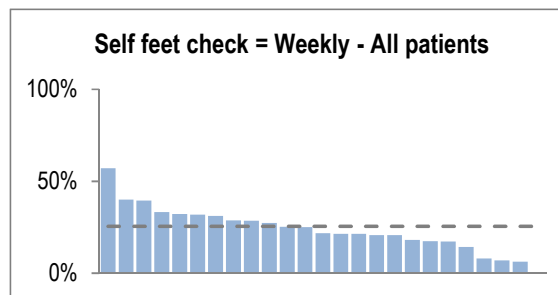
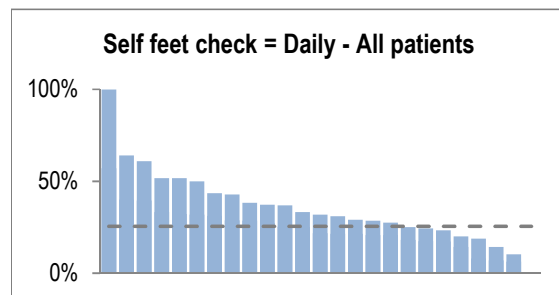
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	178	58.4	24.2	127	41.6	36.4	305	28.3
T2DM	540	72.4	73.5	206	27.6	59.0	746	69.3
Other	15	50.0	2.0	15	50.0	4.3	30	2.8
Don't know	2	66.7	0.3	1	33.3	0.3	3	0.3
Total	735	67.8		349	32.2		1084	



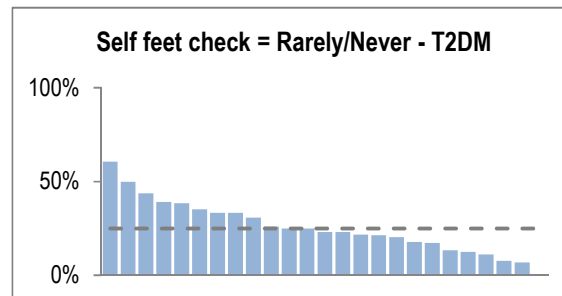
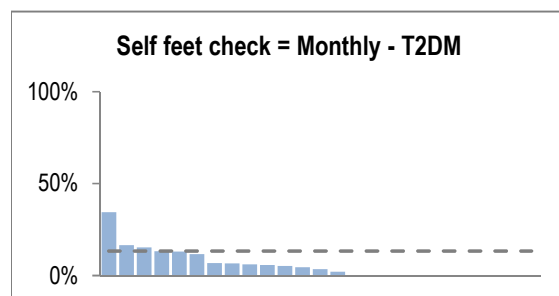
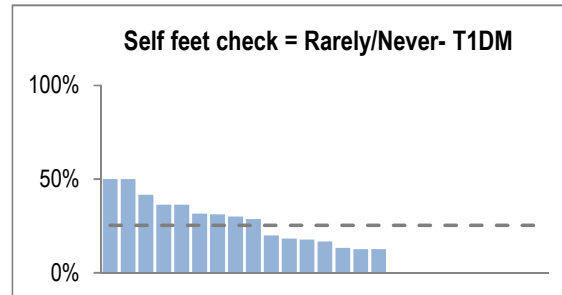
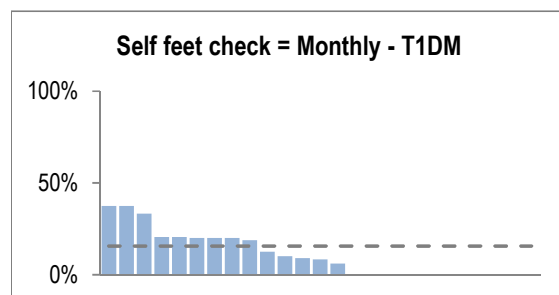
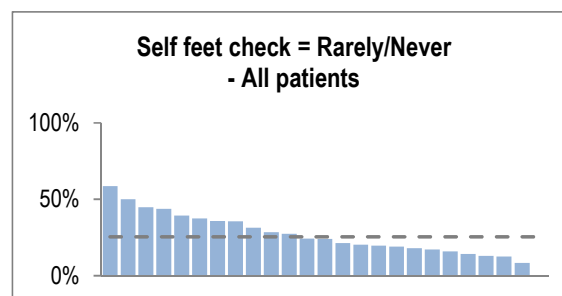
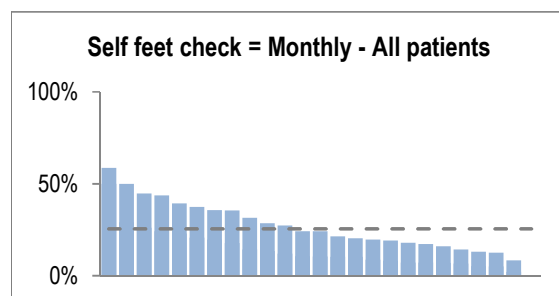
X-axis: All sites (Descending order)

Self feet check by diabetes type

Diabetes type	Daily			Weekly			Monthly			Rarely/Never			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	98	32.7	81.7	79	26.3	18.4	47	15.7	42.3	76	25.3	21.2	300	29.4
T2DM	266	36.6	221.7	183	25.2	42.6	97	13.3	87.4	181	24.9	50.4	727	71.3
Other	7	24.1	5.8	7	24.1	1.6	3	10.3	2.7	12	41.4	3.3	29	2.8
Don't know	1	33.3	0.8	1	33.3	0.2	0	0.0	0.0	1	33.3	0.3	3	0.3
Total	120	11.8		430	42.2		111	10.9		359	35.2		1020	



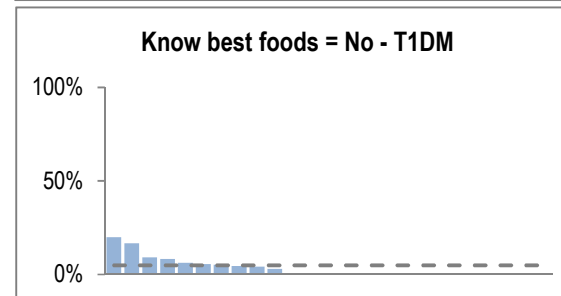
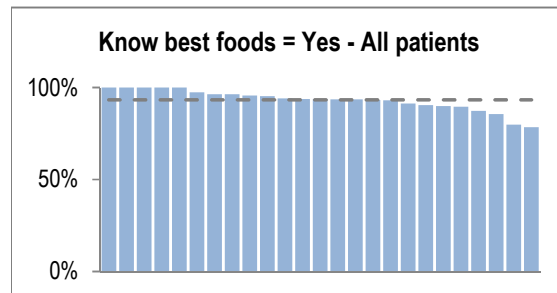
X-axis: All sites (Descending order)



X-axis: All sites (Descending order)

Diet - Know what foods are best to eat by diabetes type

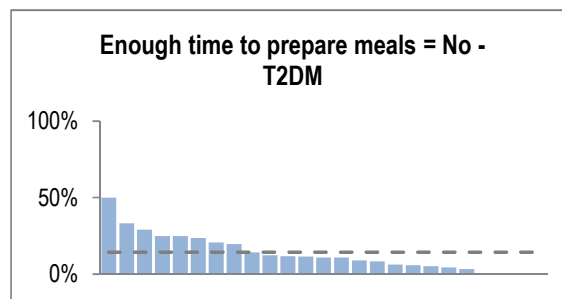
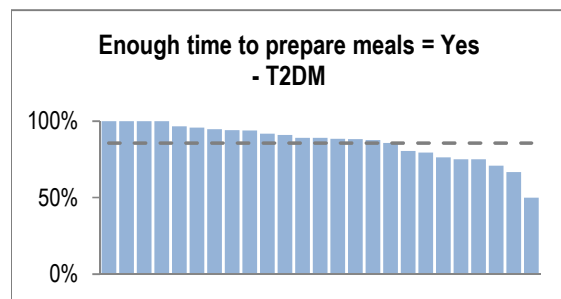
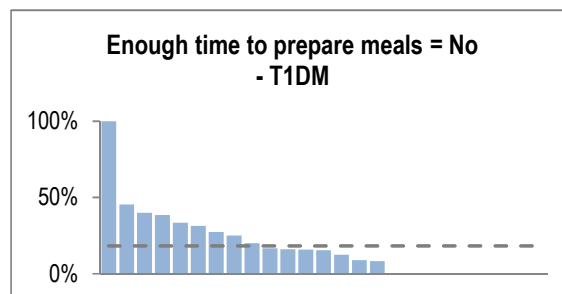
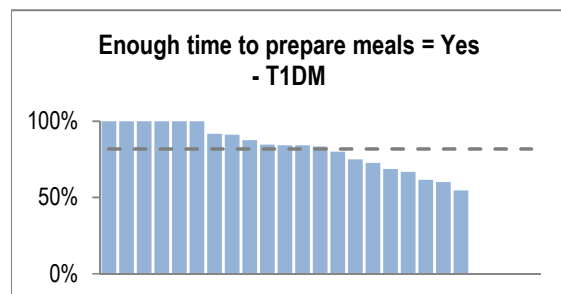
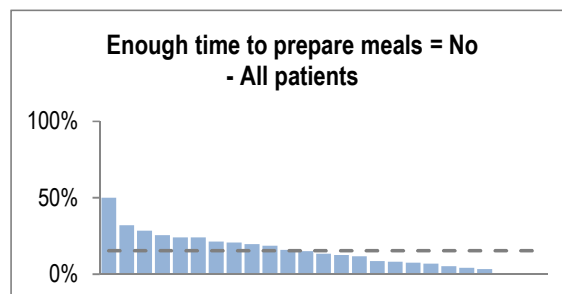
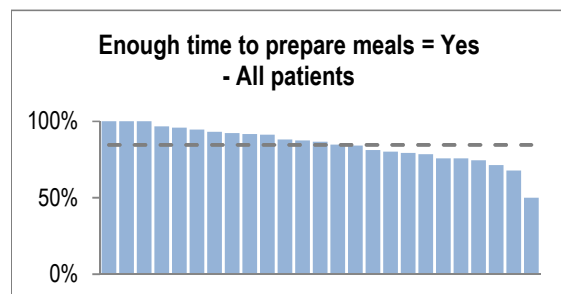
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	291	95.1	28.8	15	4.9	20.8	306	28.4
T2DM	688	92.6	68.2	55	7.4	76.4	743	69.1
Other	27	93.1	2.7	2	6.9	2.8	29	2.7
Don't know	3	100.0	0.3	0	0.0	0.0	3	0.3
Total	1009	93.3		72	6.7		1081	



X-axis: All sites (Descending order)

Diet - Enough time to prepare healthy meals by diabetes type

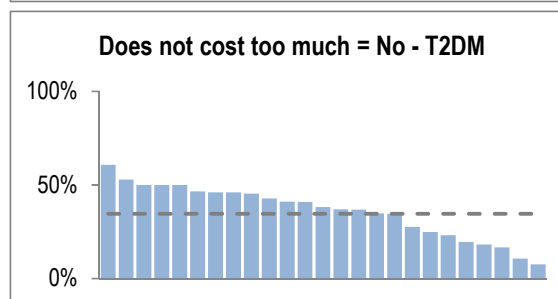
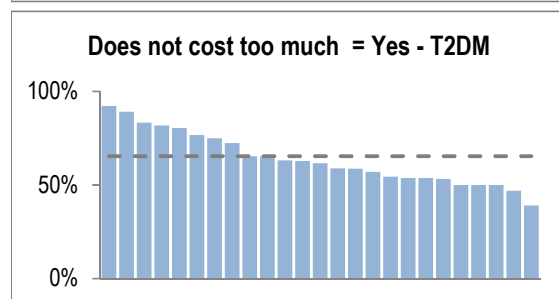
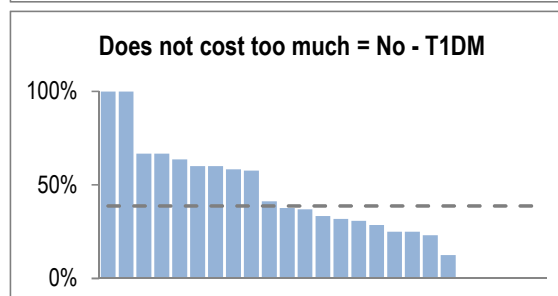
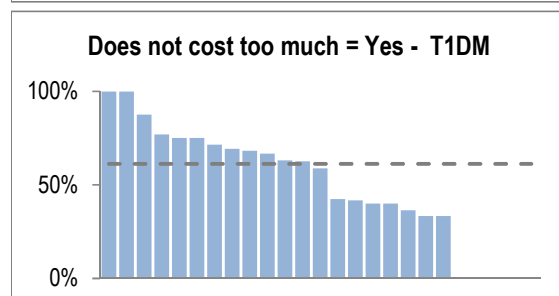
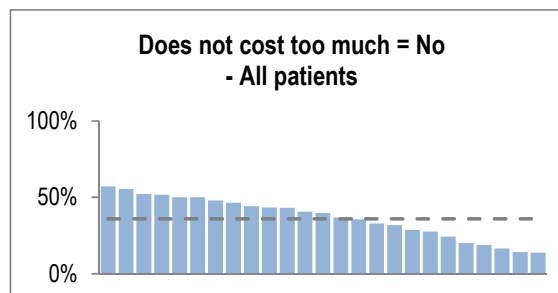
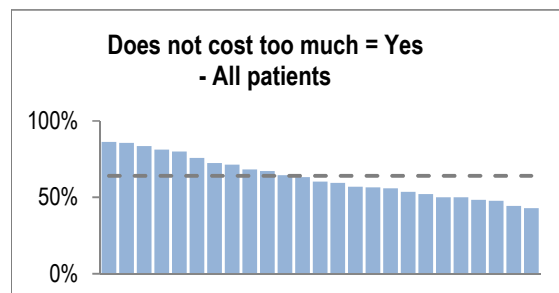
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	251	81.8	27.5	56	18.2	33.7	307	28.5
T2DM	635	85.7	69.5	106	14.3	63.9	741	68.9
Other	25	86.2	2.7	4	13.8	2.4	29	2.7
Don't know	3	100.0	0.3	0	0.0	0.0	3	0.3
Total	914	84.6		166	15.4		1080	



X-axis: All sites (Descending order)

(Adapted) Diet - Does not cost too much to eat healthy meals by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	188	61.2	27.3	119	38.8	30.7	307	28.5
T2DM	483	65.4	70.1	256	34.6	66.1	739	68.7
Other	15	55.6	2.2	12	44.4	3.1	27	2.5
Don't know	3	100.0	0.4	0	0.0	0.0	3	0.3
Total	689	64.0		387	36.0		1076	



(T1DM) Diet - Not hard to count carbs/weigh food

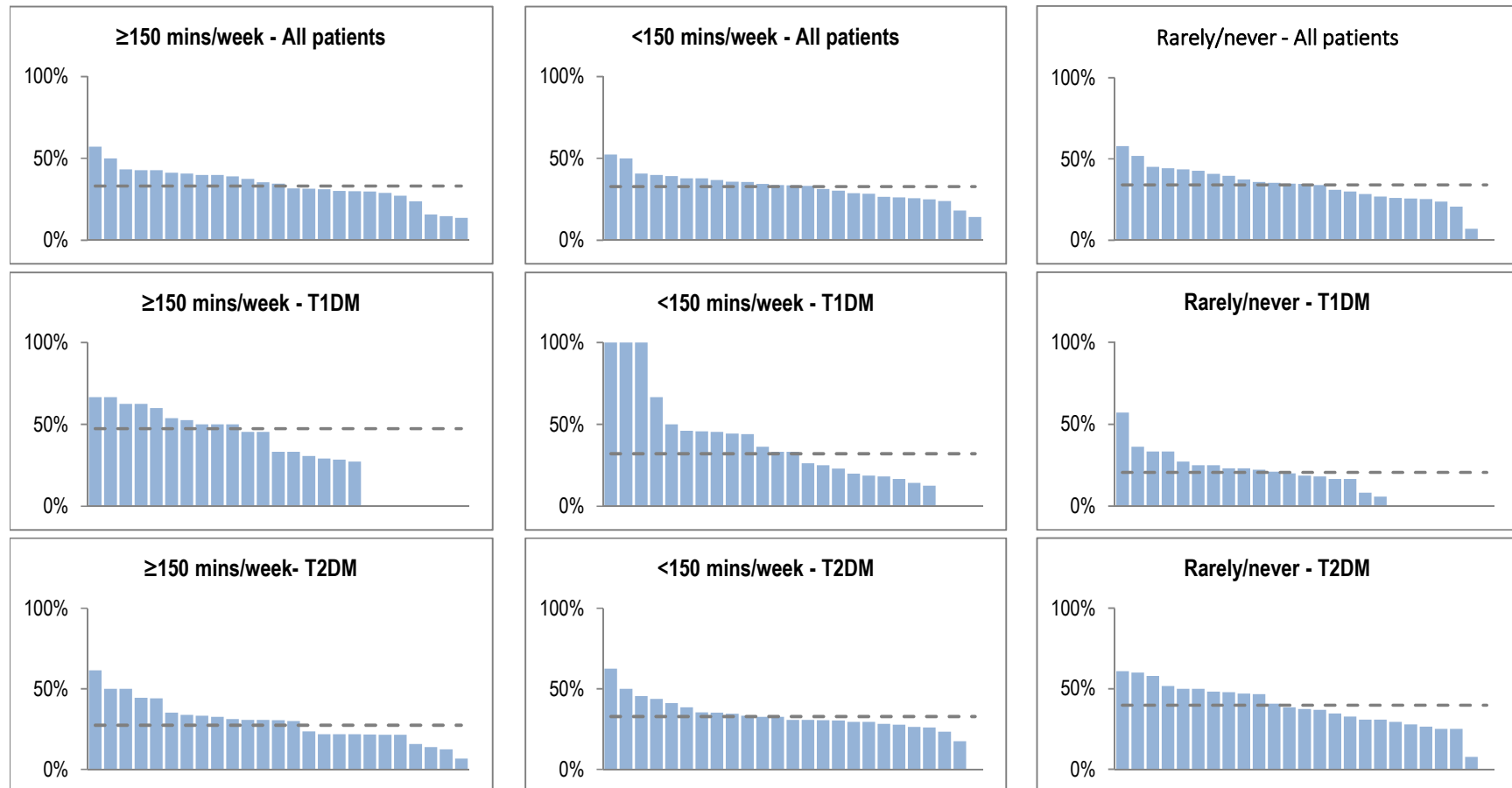
Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	156	53.6	NA	135	46.4	NA	291	27.0

X-axis: All sites (Descending order)

Physical activity* by diabetes type

Diabetes type	≥150 mins/week			<150 mins/week			Rarely/Never			Total	
	n	R%	C%	n	R%	C%	n	R%	C%	n	%
T1DM	145	47.4	40.4	98	32.0	27.6	63	20.6	17.1	306	28.3
T2DM	204	27.4	56.8	244	32.8	68.7	296	39.8	80.2	744	68.7
Other	8	26.7	2.2	12	40.0	3.4	10	33.3	2.7	30	2.8
Don't know	2	66.7	0.6	1	33.3	0.3	0	0.0	0.0	3	0.3
Total	359	33.1		355	32.8		369	34.1		1083	

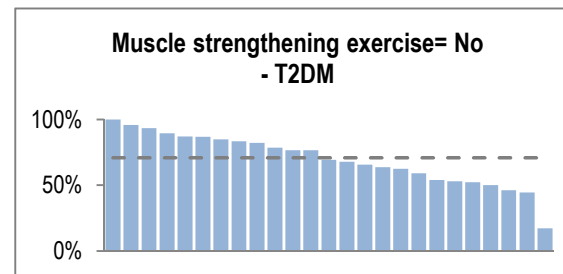
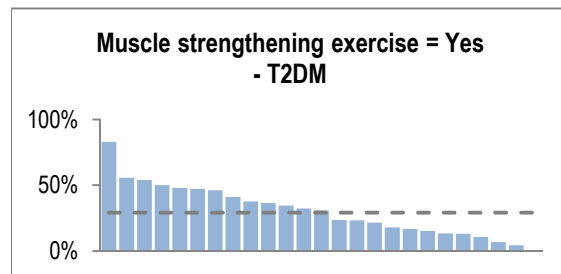
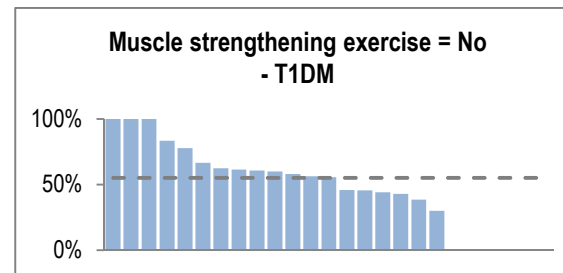
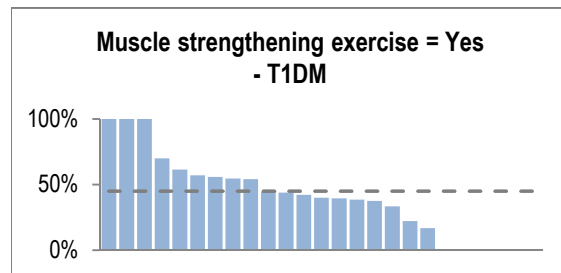
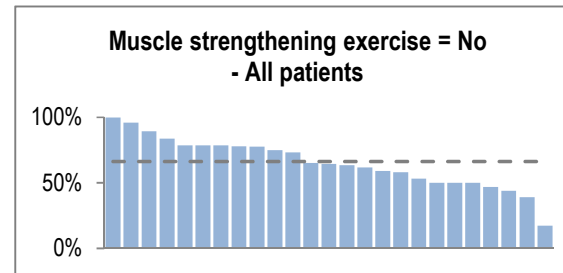
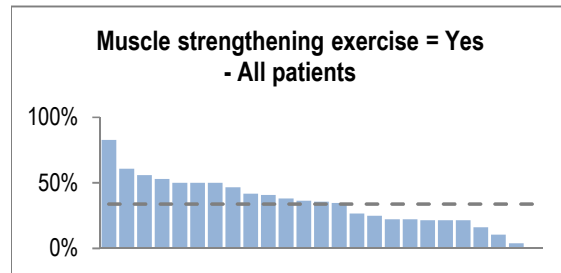
*Moderate or vigorous physical activity



X-axis: All sites (Descending order)

Muscle strengthening exercise by diabetes type

Diabetes type	Yes			No			Total	
	n	R%	C%	n	R%	C%	n	%
T1DM	137	44.9	37.6	168	55.1	23.5	305	28.3
T2DM	216	29.1	59.3	525	70.9	73.4	741	68.7
Other	10	33.3	2.7	20	66.7	2.8	30	2.8
Don't know	1	33.3	0.3	2	66.7	0.3	3	0.3
Total	364	33.7		715	66.3		1079	



X-axis: All sites (Descending order)

POST DATA COLLECTION QUESTIONNAIRE RESULTS

At the end of the data collection period, we disseminated a post data collection questionnaire to staff at participating sites. Overall, we received feedback from 21 respondents, which may have included multiple staff from a site. The results in Table 3 highlight that there was a general approval of the 'Process' including the information provided, data definitions form and overall format. Respondents from sites who undertook web-based data collections were slightly more satisfied than respondents from sites who undertook paper-based data collections, with the exception of resource documents.

TABLE 3. POST DATA COLLECTION QUESTIONNAIRE RESULTS BY DATA COLLECTION METHOD

Questionnaire category	Likert Scale: 1 = Poor, 3 = Midpoint, 5 = Good (Mean + SD)		
	All (n=21)	Paper-based (n=14)	REDCap (n=7)
Resource documents	4.2 ± 0.7	4.3 ± 0.9	4.0 ± 0.0
Data definitions document	4.1 ± 0.7	4.1 ± 0.9	4.4 ± 0.0
Format (layout of data items)	3.5 ± 0.8	3.4 ± 0.9	3.7 ± 0.5
Ease of form completion	3.3 ± 1.2	3.1 ± 1.2	3.9 ± 0.9
Time to complete the form	2.8 ± 1.2	2.6 ± 1.3	3.1 ± 0.9

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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
Ms Taryn Black	Chief Strategy Officer, Diabetes Australia [QLD]	National Peak Body Representative
Associate Professor Wendy Davis	Epidemiologist and Applied Biostatistician, The University of Western Australia [WA]	Data/Science Expert
Professor Barbora de Courten OAM	Deputy Dean and Distinguished Professor of Medicine, School of Health & Biomedicine, RMIT University and Specialist Physician, Monash Health [VIC]	Clinical Representative
Dr Gary Deed	General Practitioner and Medical Director, Mediwell Medical Clinic [QLD]	Primary Health Sector Representative
Professor Jeff Flack	Conjoint Professor, School of Medicine, Western Sydney University and Senior Staff Specialist Endocrinologist and Head, Department of Diabetes & Endocrinology and Director, Diabetes Centre, Bankstown-Lidcombe Hospital [NSW]	Clinical Representative
Professor Jenny Gunton	Head, Centre for Diabetes, Obesity and Endocrinology Research and Head, Westmead Institute for Medical Research and Clinical Endocrinologist / Diabetologist, Westmead Hospital [NSW]	Clinical 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 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 Government Department of Health and Aged Care [ACT]	Australian Government Department of Health and Aged Care Representative
Ms Sally Rayner	Director, 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

ADCQR Project Executive

Name	Role
Professor Sophia Zoungas	Project 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
Dr Anthony Pease	Clinician Advisor
Dr Matthew Quigley	Quality Improvement Advisor
Ms Trieu-Anh Truong	Data Manager
Ms Mahima Choudhary	Research Support Officer
Ms Kara Kotsovolos	Administrative Officer

APPENDICES

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Staff Initials (optional)

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Participant information sheet given ☐

1.1 Date of birth		/		/		1.2 Sex	☐ Male	☐ Female	→	1.2.1 Currently pregnant	☐ Yes	☐ No
	d d		m m		y y y y		☐ Other					
1.3 Date of visit		/		/		1.4 NDSS registrant	☐ Yes	☐ No		1.5 Aboriginal/Torres Strait Islander	☐ Yes	☐ No
	d d		m m		y y y y							
1.6 Initial visit						☐ Yes	☐ No			1.7 Interpreter required	☐ Yes	☐ No
1.8 Main language spoken at home						☐ Yes	☐ No				☐ Yes	☐ No
1.9 DVA												
1.10 Country of birth						1.11 Residential postcode						

2.1 Date of diagnosis / **2.2 Type of diabetes** ☐ Type 1 ☐ Type 2 ☐ Other (Secondary causes) ☐ Don't know

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

☐ Finger pricking →

☐ Continuous Glucose Monitoring

2.3.3 Was the sensor worn for ≥ 14 days in the last 3 months?

☐ Flash Glucose Monitoring

☐ Yes ☐ No

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

☐ Diet only☐ Metformin

☐ SGLT2 inhibitor

☐ GLP1/GIP agonist☐ DPP4 inhibitor☐ Sulphonylurea☐ Thiazolidinedione☐ Acarbose☐ Insulin .

➔ **2.4.1 Insulin duration** years months

Basal

☐ Pre-mixed insulin☐ CSII Automate

→ ☐ Hybrid closed loop system

☐ Basal bolus

☐ Pump

☐ CSII Non-automated

3.1 Weight . kg

3.2 Height . m

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 ☐ ACE inhibitor ☐ Ca²⁺ channel blocker ☐ Beta blocker
(Select all that apply) ☐ ARB ☐ Thiazides/Diuretics ☐ Other

5.1 HbA1c Result % **OR** ☐ Not tested **5.1.1 HbA1c test date** /
m m v v v v

5.2 eGFR mL/min per 1.73m² **OR** ☐ Not tested **5.3 Serum creatinine** μmol/L **OR** ☐ Not tested

5.4a Urinary albumin mg/L **OR** Not tested

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

Section 3: Medications & Lipids		Yes	No	Contraindicated
6.1 Aspirin		☐	☐	☐
6.2 Other anti-platelets		☐	☐	☐
6.3 Anti-coagulants		☐	☐	☐
6.4 Lipid modifying Rx		☐	☐	
<u>if YES</u> → 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

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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	☐	☐	☐	☐
<i>if YES (Select all that apply) → 7.7.1</i>		<i>7.7.2</i>		
☐ Minor ☐ Major		☐ 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	☐	☐	☐	☐
<i>if YES → 8.15.1 No. of episodes</i> ☐ 1-2 ☐ 3-5 ☐ >5				
8.16 Liver disease	☐ Mild ☐ Moderate/Severe ☐ Not applicable			
			<u>Last 12 months</u>	
8.17 Has the patient tested positive to COVID-19?	☐ Yes ☐ No		<u>Previous to the last 12 months</u>	
<i>if YES → 8.17.1 Was the patient hospitalised?</i>			☐ Yes ☐ No	
☐ 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? ☐ Yes ☐ No
(e.g. PAID, DDS)

9.2 Has the patient been screened for depression in the last 12 months using a validated measure? ☐ Yes ☐ No
(e.g. PHQ_9)

9.3 Has the patient been screened for anxiety in the last 12 months using a validated measure? ☐ Yes ☐ No
(e.g. GAD-7)

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.

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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: ☒

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?
(e.g. lifting weights or household tasks that involve lifting, carrying or digging) ☐ Yes ☐ No

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

Identifiers	
Patient ID	Compulsory field. Enter identifier such as record number <u>or</u> 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 <u>or</u> Female <u>or</u> Other to indicate the person's recorded sex at birth.
Currently pregnant	If sex is female, mark Yes <u>or</u> 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 <u>or</u> No to indicate if this is an initial visit assessment at this site.
Aboriginal/Torres Strait Islander	Mark Yes <u>or</u> 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 <u>or</u> No to indicate if the patient requires an interpreter.
Residential postcode	Record the patient's residential postcode.
NDSS registrant	Mark Yes <u>or</u> 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 <u>or</u> 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 <u>or</u> Type 2 <u>or</u> Other (secondary causes) <u>or</u> Don't know , to indicate the clinical classification of diabetes. <i>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.</i>
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).

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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 1.73m²] in the last 12 months, or tick 'Not tested'. If the result is reported as eGFR ≥90, record as 90.

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	'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 [$\mu\text{mol/L}$] 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] <u>or ratio</u> . 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] <u>or ratio</u> . 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 <u>or</u> No to indicate whether the patient is on aspirin. Indicate if contraindicated.
Other anti-platelets	Mark Yes <u>or</u> 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 <u>or</u> 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 <u>or</u> 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 <u>or</u> 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 <i>total, LDL & HDL cholesterol</i> and <i>triglycerides</i> [mmol/L] in the last 12 months or tick 'Not tested'. <i>Recorded lipids can include fasting or non-fasting results.</i> '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 <u>or</u> 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 <u>or</u> No to indicate if the ophthalmological assessment revealed any diabetic retinopathy or maculopathy.
Treatment for retinopathy	Mark Yes <u>or</u> 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 <u>or</u> No to indicate if the patient currently has a cataract or has had one removed.
Blindness	Mark Yes <u>or</u> No to indicate if the patient became legally blind (visual acuity <6/60) in either eye.
Peripheral neuropathy	Mark Yes <u>or</u> 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 <u>or</u> No to indicate past history of foot ulceration.
Lower limb amputation	Mark Yes <u>or</u> 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

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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 <u>and</u> 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. <i>Exclude non-melanoma skin cancers.</i>
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 <u>or</u> if not applicable . Mild: cirrhosis <u>without</u> portal hypertension, chronic hepatitis.

	Moderate to severe: cirrhosis <u>with</u> portal hypertension.
COVID-19 positive	Mark Yes <u>or</u> 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 <u>or</u> 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 <u>or</u> 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 <u>or</u> 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. <i>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.</i>
Anxiety	Mark Yes <u>or</u> 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. <i>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.</i>
PATIENT HEALTH & WELL-BEING QUESTIONNAIRE	
Section 1. Smoking & Vaccination Status	
Currently smoke tobacco	Mark if the patient currently smokes <u>any tobacco material</u> (Yes/No). [i.e. cigarettes/cigars/e-cigarettes(vaping)]
Previously smoked tobacco	If No to 'Currently smoke tobacco', mark if the patient previously smoked <u>any tobacco material</u> (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 ' <i>total minutes per week</i> ' 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. <i>Intensity of physical activity</i> 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.