

New Larnaca Hospital Diabetes Clinic

2016

DIABETES



Demographic characteristics



What is Diabetes?



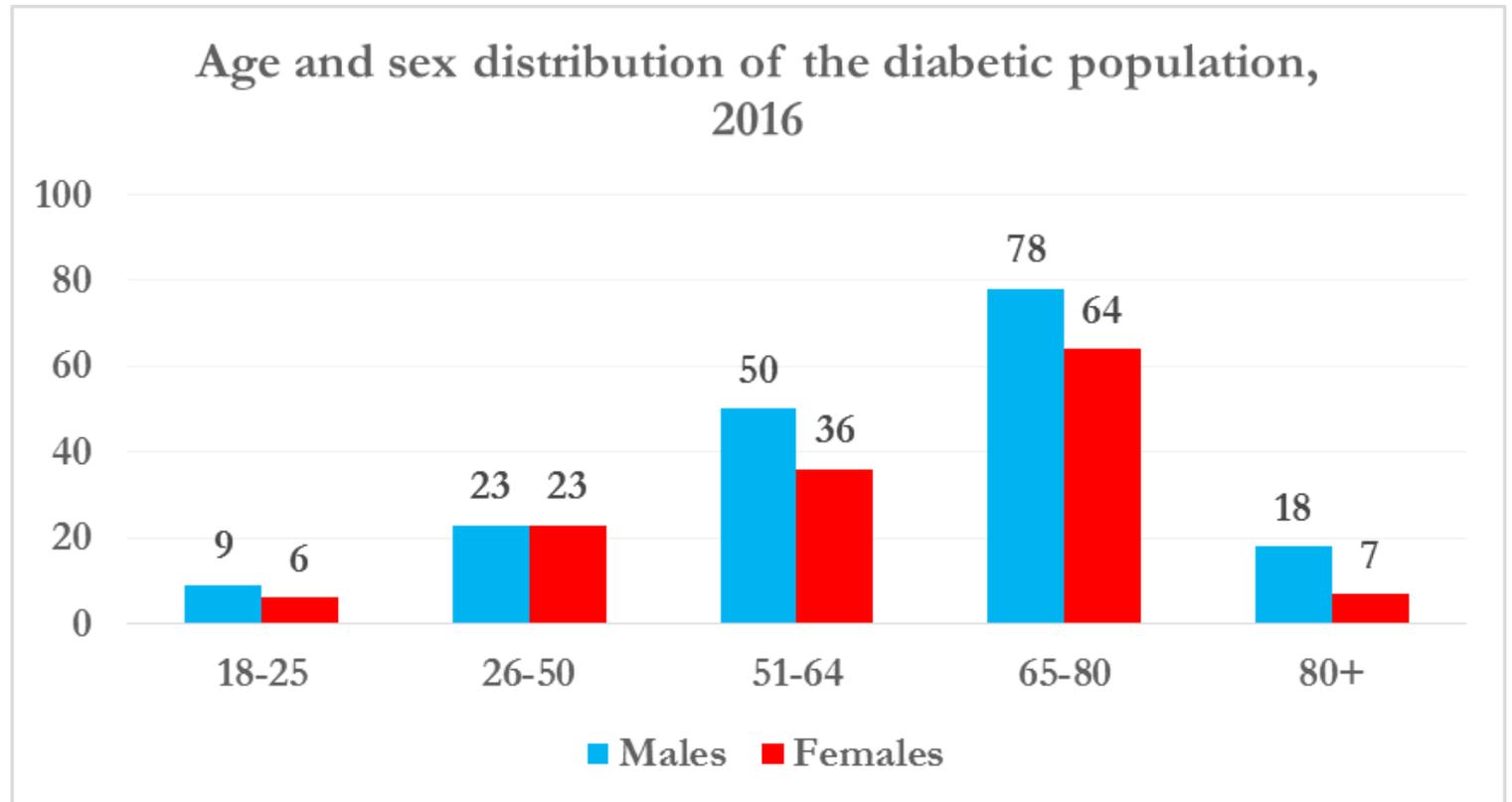
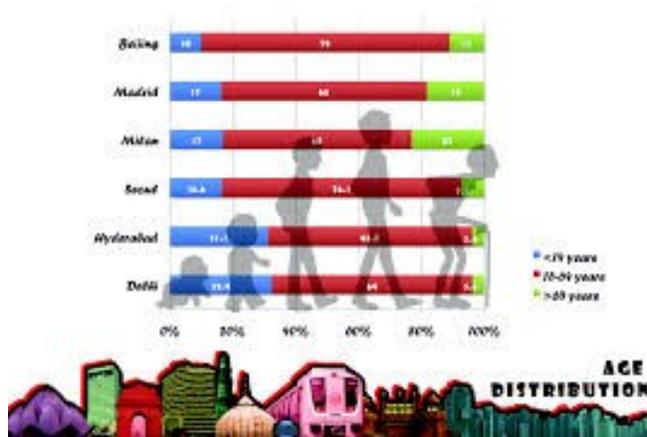
When pancreas doesn't produce insulin (Type 1)



When pancreas doesn't produce enough insulin or the insulin cannot be processed (Type 2)

Diabetic Population: Age & sex distribution

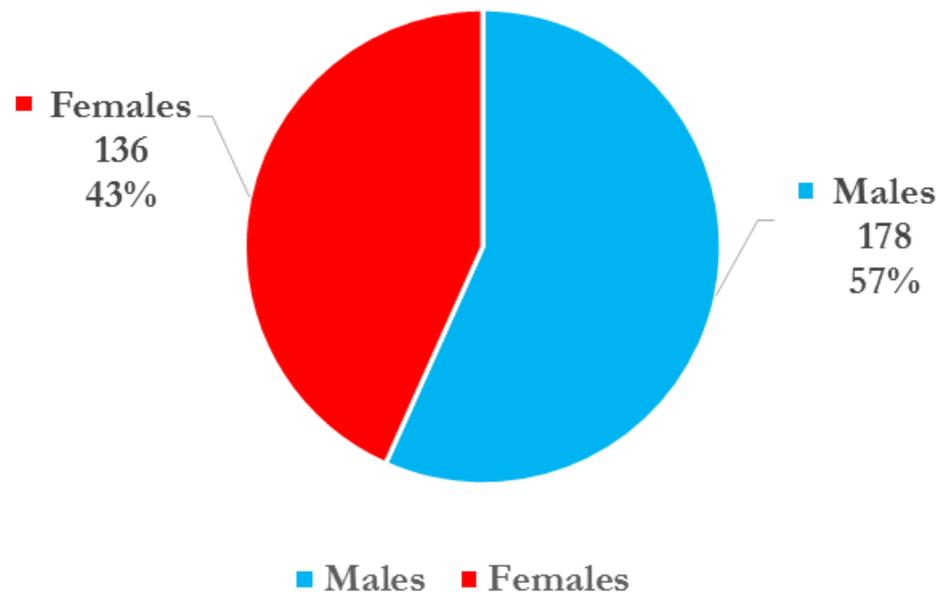
Age groups	Males	Females	Total	% of total
18-25	9	6	15	5%
26-50	23	23	46	15%
51-64	50	36	86	27%
65-80	78	64	142	45%
80+	18	7	25	8%
Total	178	136	314	100%



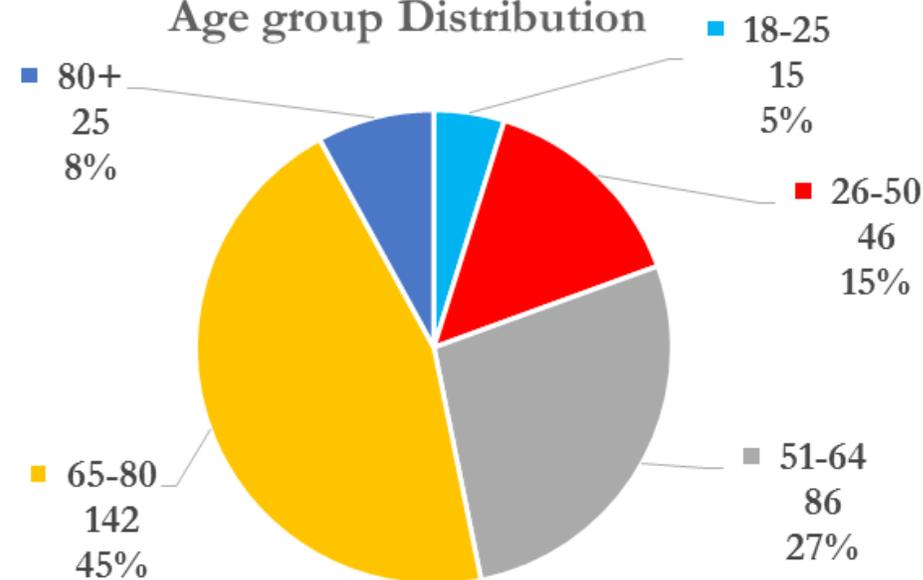
Diabetic Population: Age & sex distribution



Sex Distribution, 2016

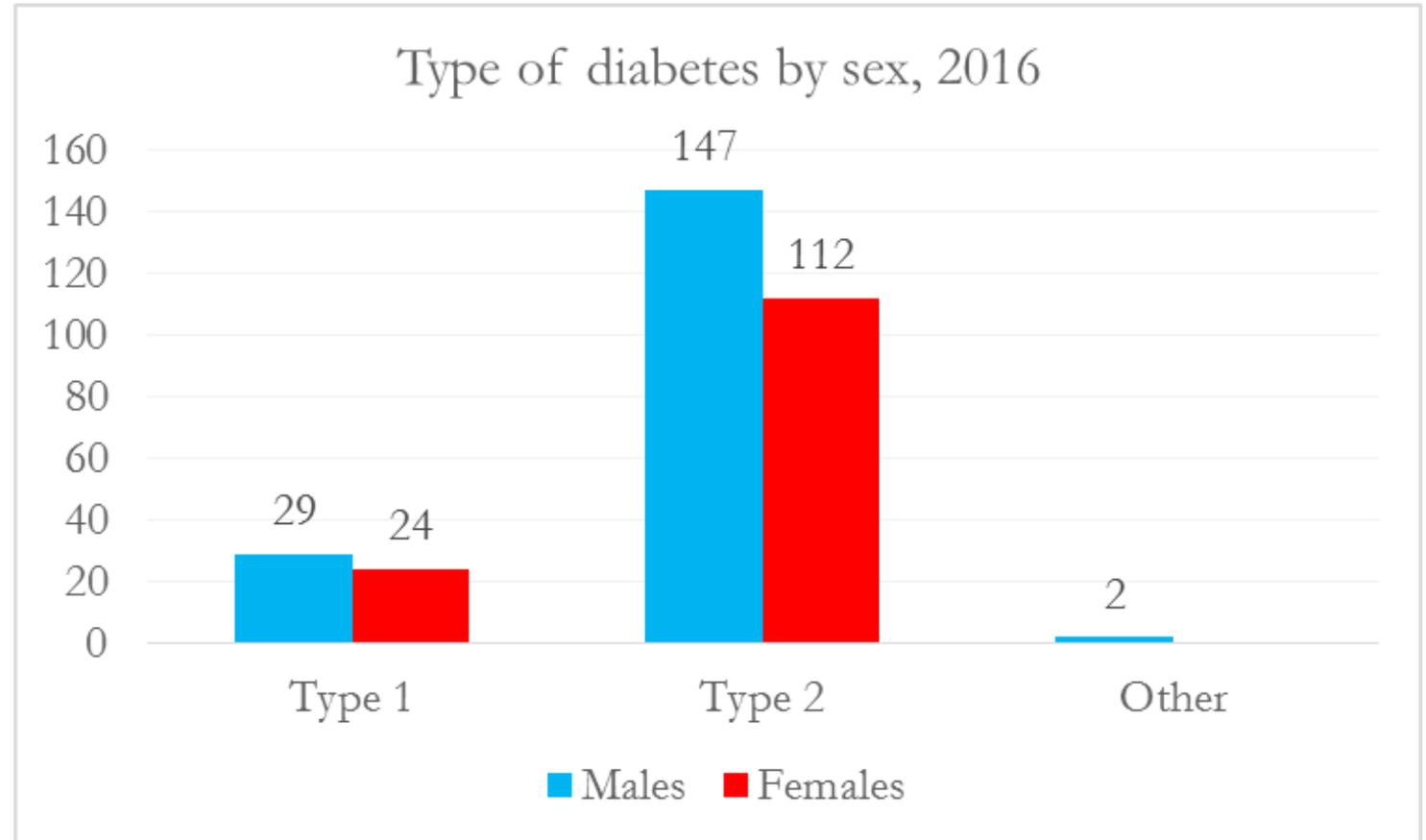
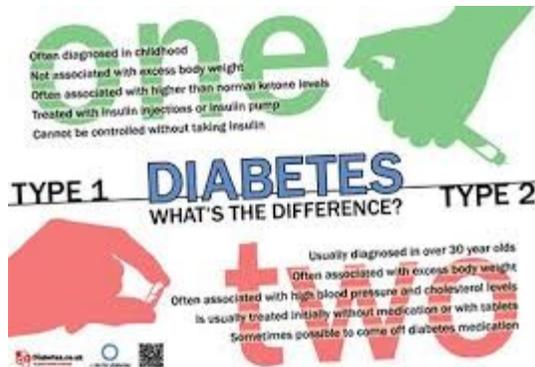


Age group Distribution



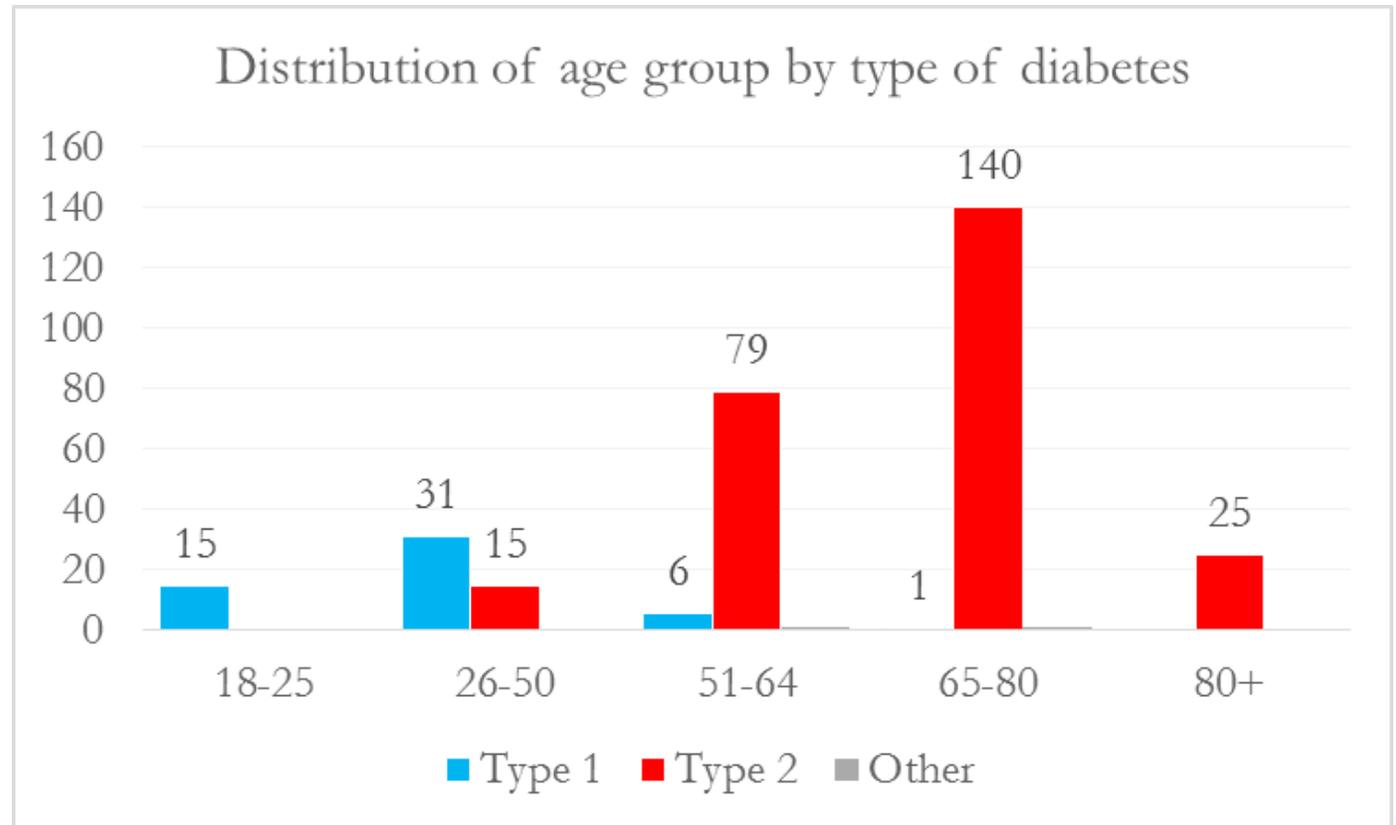
Type of diabetes, by sex

Type of diabetes	Males	Females	Total
Type 1	29	24	53
Type 2	147	112	259
Other	2		2
Total	178	136	314



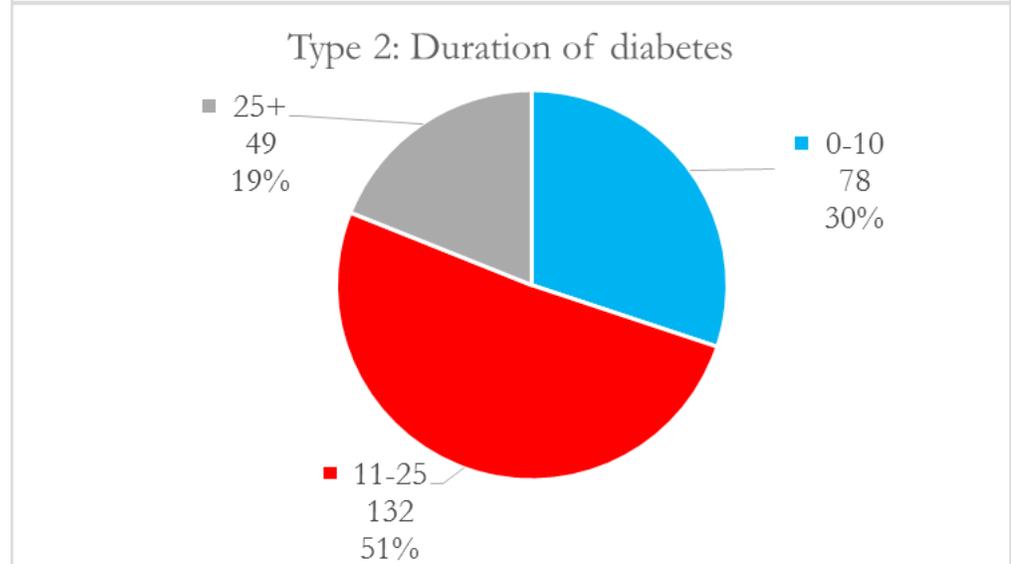
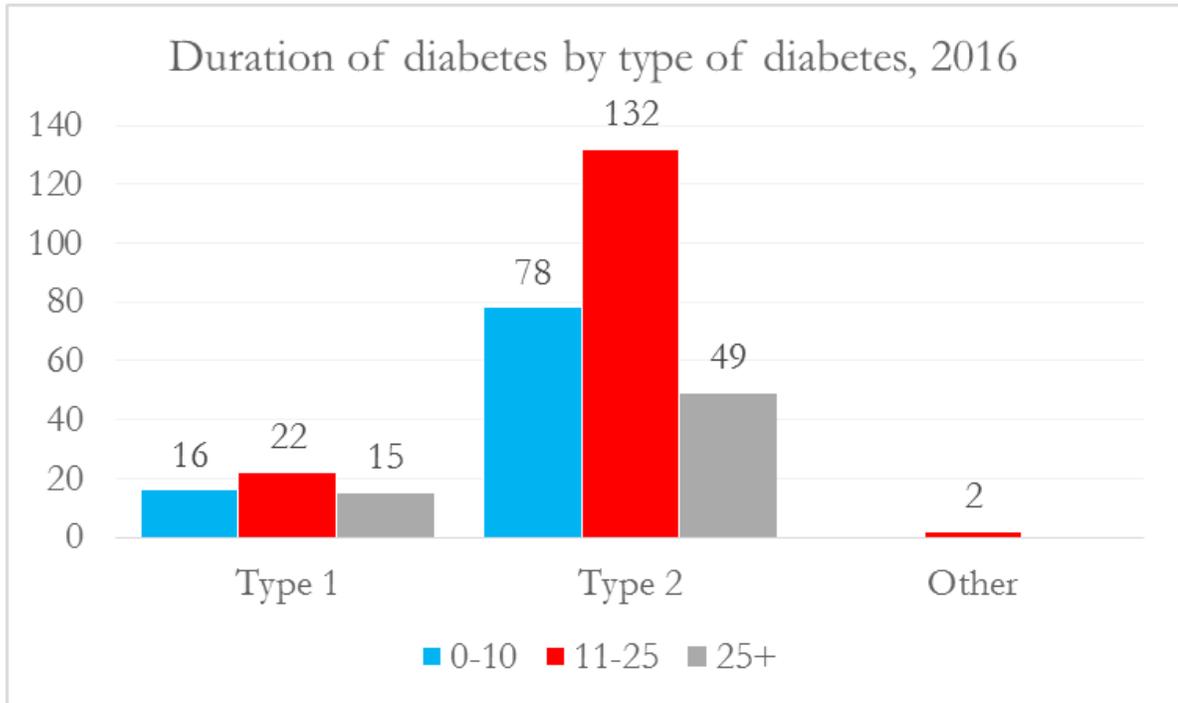
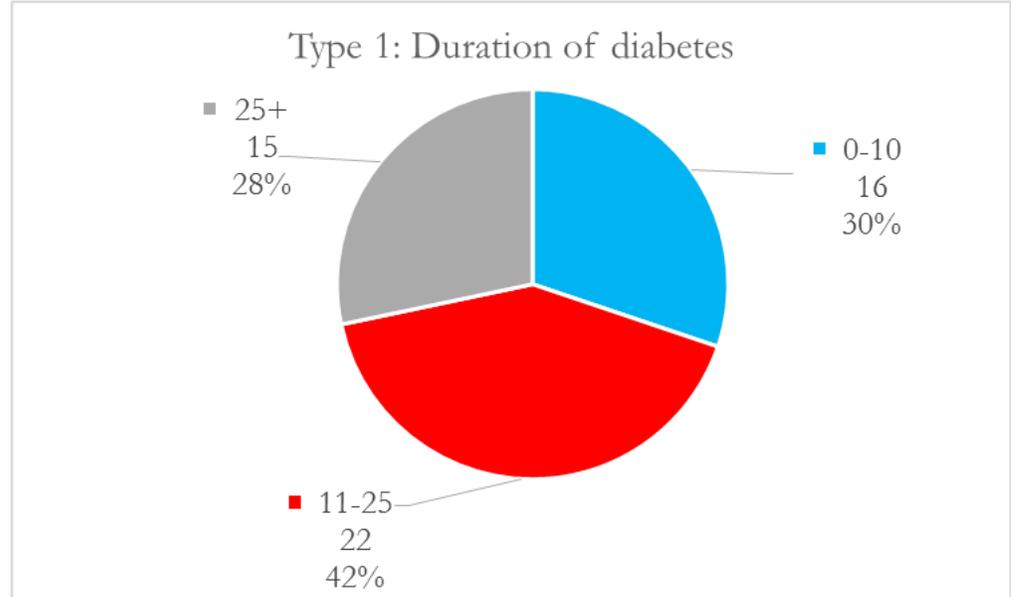
Distribution of age group by type of diabetes

Age group	Type 1	Type 2	Other	Total
18-25	15			15
26-50	31	15		46
51-64	6	79	1	86
65-80	1	140	1	142
80+		25		25
Total	53	259	2	314

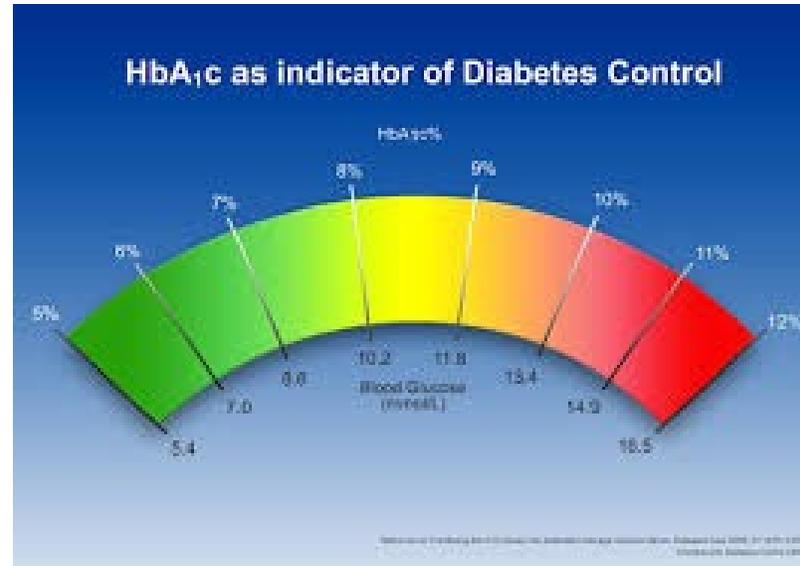


Duration of diabetes by type of diabetes

Duration of diabetes	Type 1	Type 2	Other	Total
0-10	16	78		94
11-25	22	132	2	156
25+	15	49		64
Total	53	259	2	314

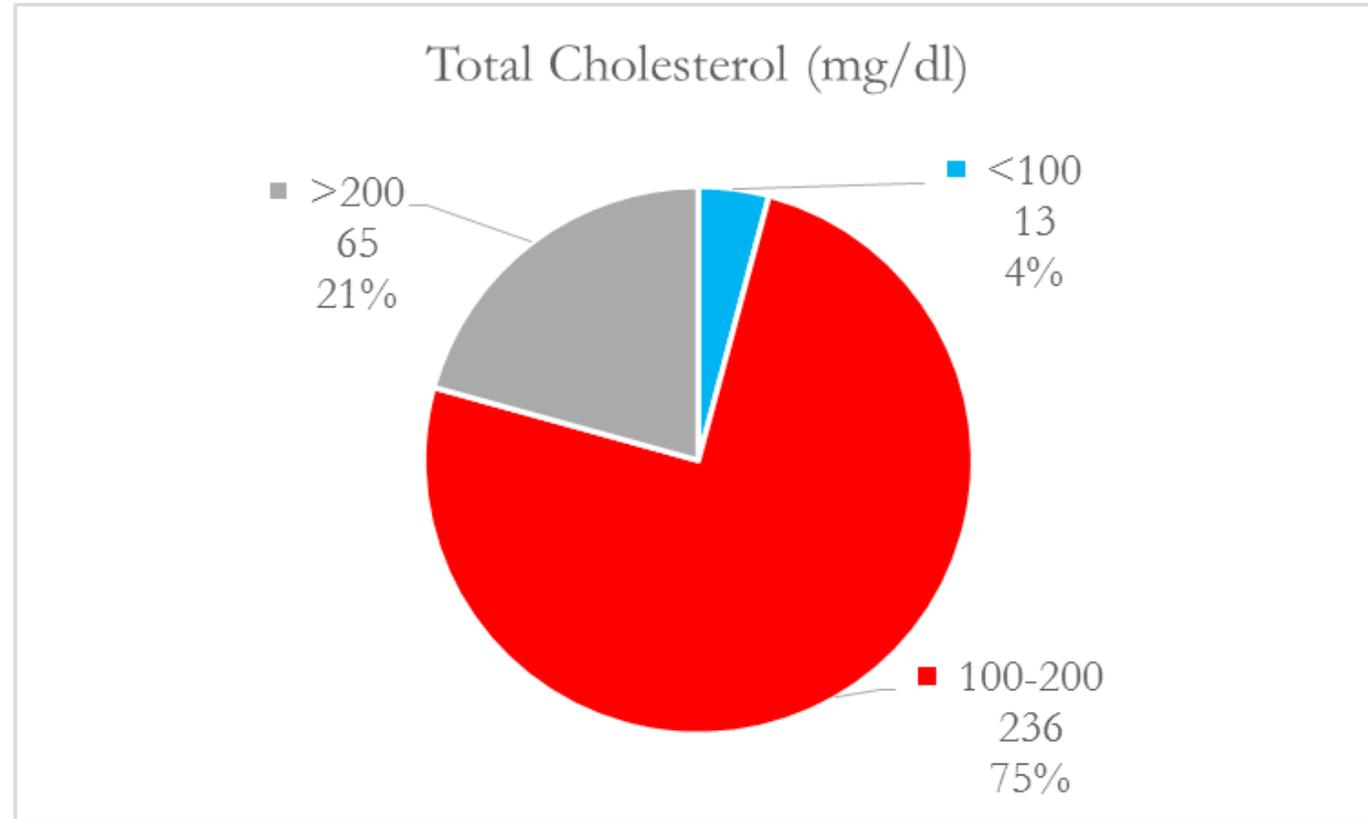


Risk Factors



Total Cholesterol (mg/dL)

Total Cholesterol	Total number of patients	%
<100	13	4%
100-200	236	75%
>200	65	21%
Total	314	100%



HDL-Cholesterol (last episode in 12 months)

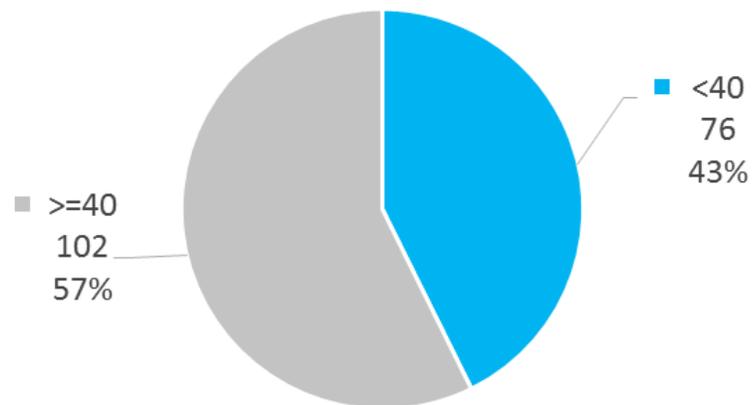
Males

HDL-Cholesterol	Males	%
<40	76	43%
>=40	102	57%
Total	178	100%

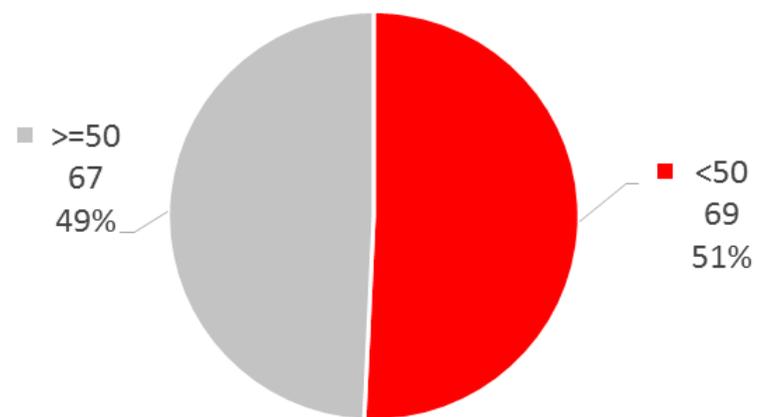
Females

HDL-Cholesterol	Females	%
<50	69	51%
>=50	67	49%
Total	136	100%

HDL-Cholesterol (last episode in 12 months),
males

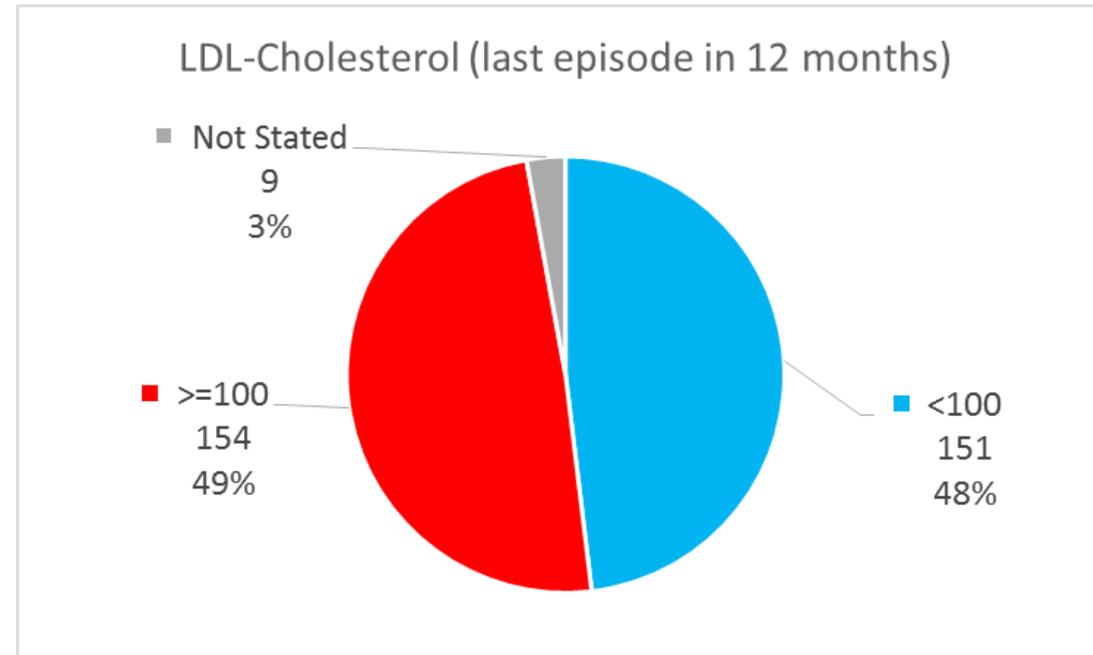


HDL-Cholesterol (last episode in 12 months),
females



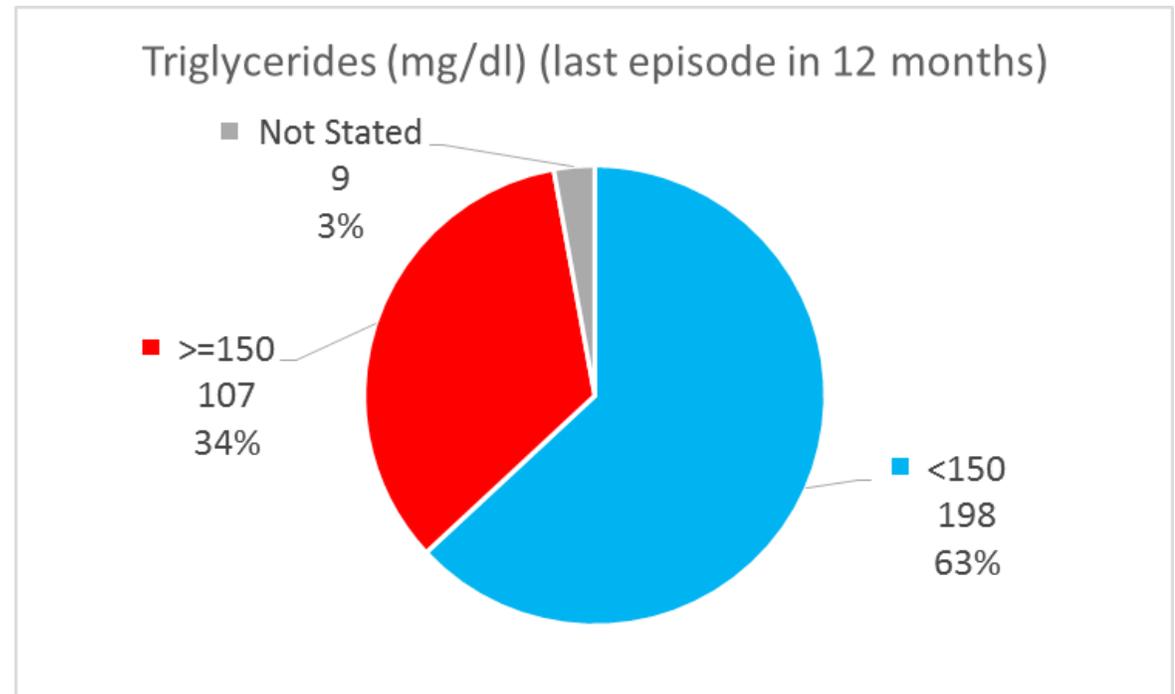
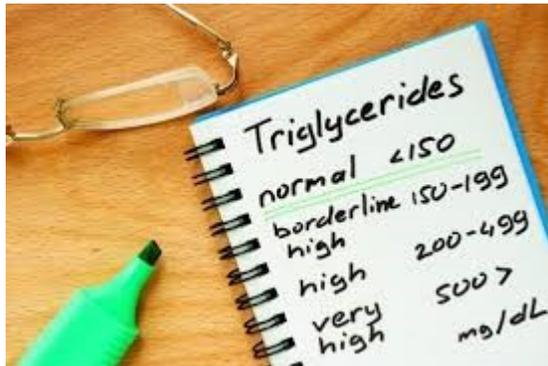
LDL-Cholesterol (last episode in 12 months)

LDL-Cholesterol (mg/dL)	Total number of patients	%
<100	151	48%
>=100	154	49%
Not Stated	9	3%
Total	314	100%



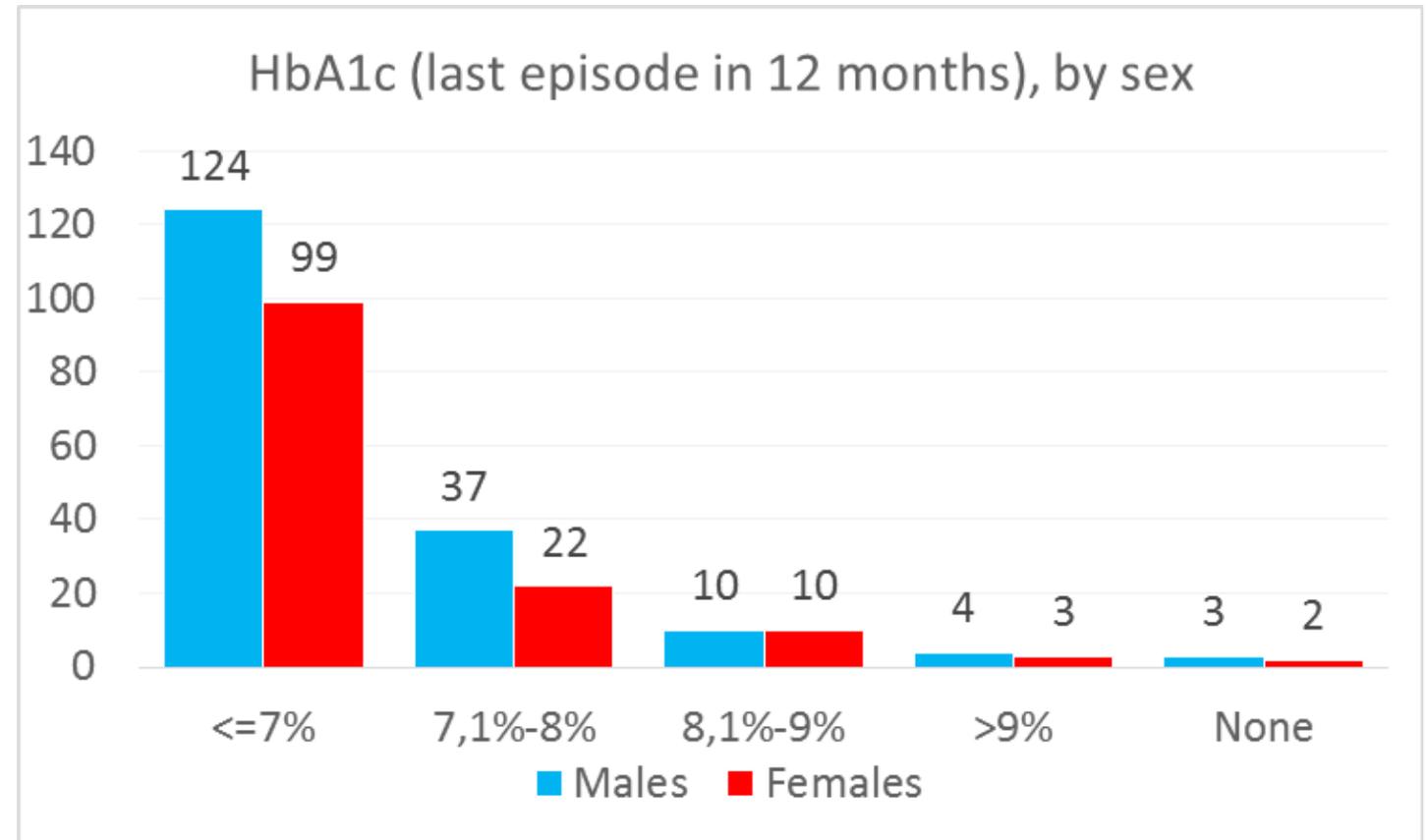
Triglycerides (mg/dL) (last episode in 12 months)

Triglycerides (mg/dL)	Total number of patients	%
<150	198	63%
>=150	107	34%
Not Stated	9	3%
Total	314	100%



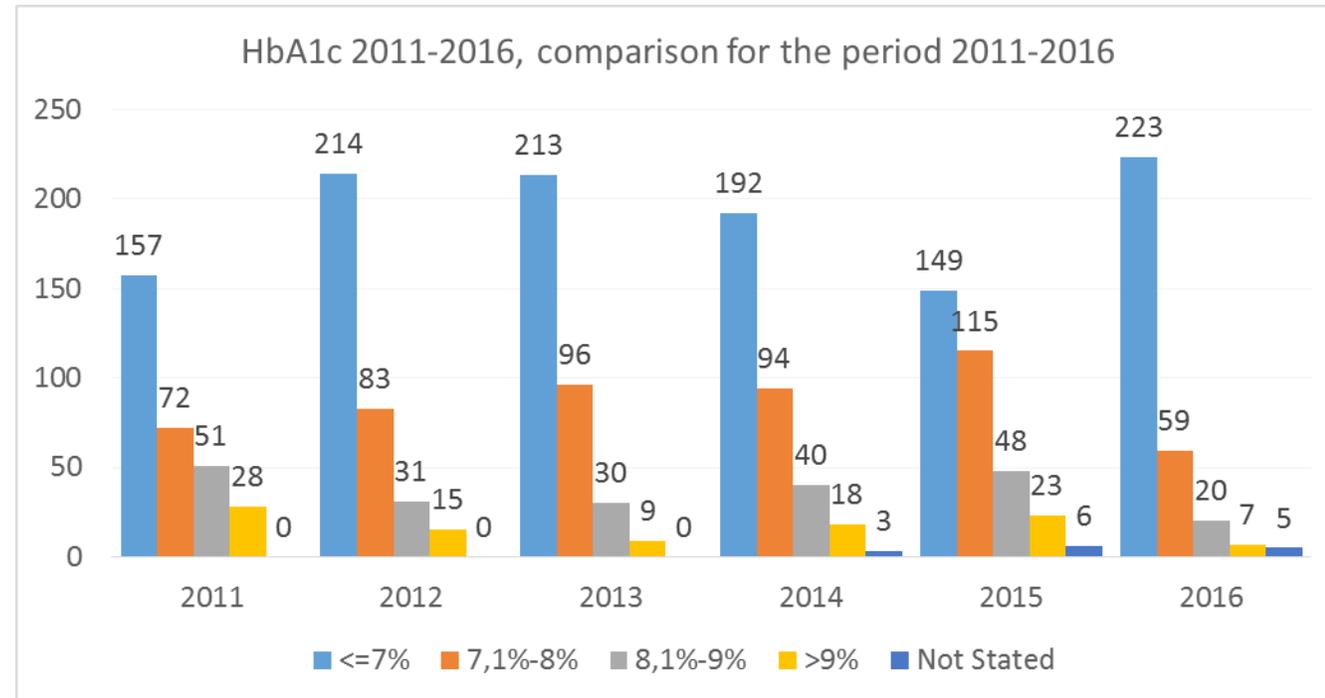
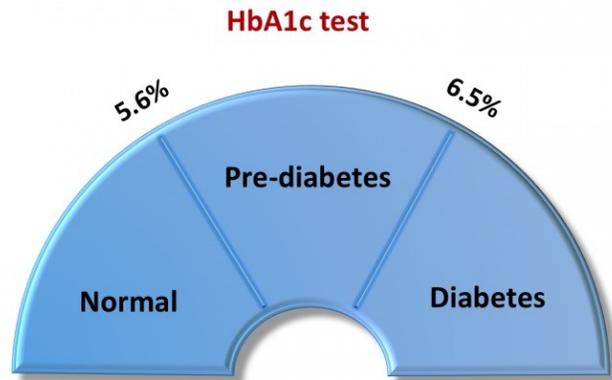
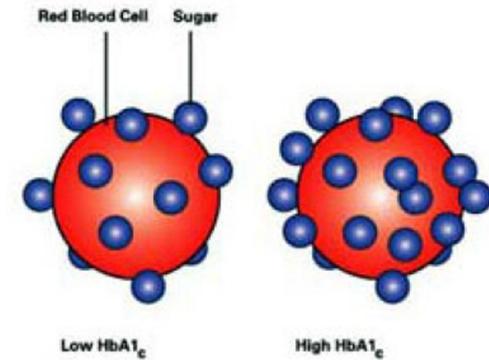
HbA1c, by sex (last episode in 12 months)

HbA1c	Males	Females	Total	% of total
<=7%	124	99	223	71%
7,1%-8%	37	22	59	19%
8,1%-9%	10	10	20	6%
>9%	4	3	7	2%
None	3	2	5	2%
Total	178	136	314	100%



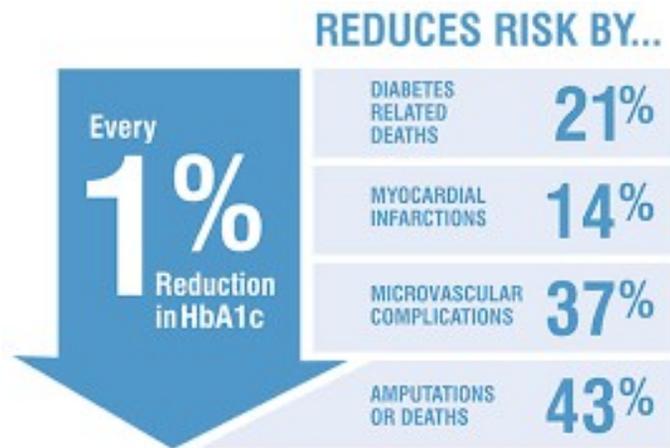
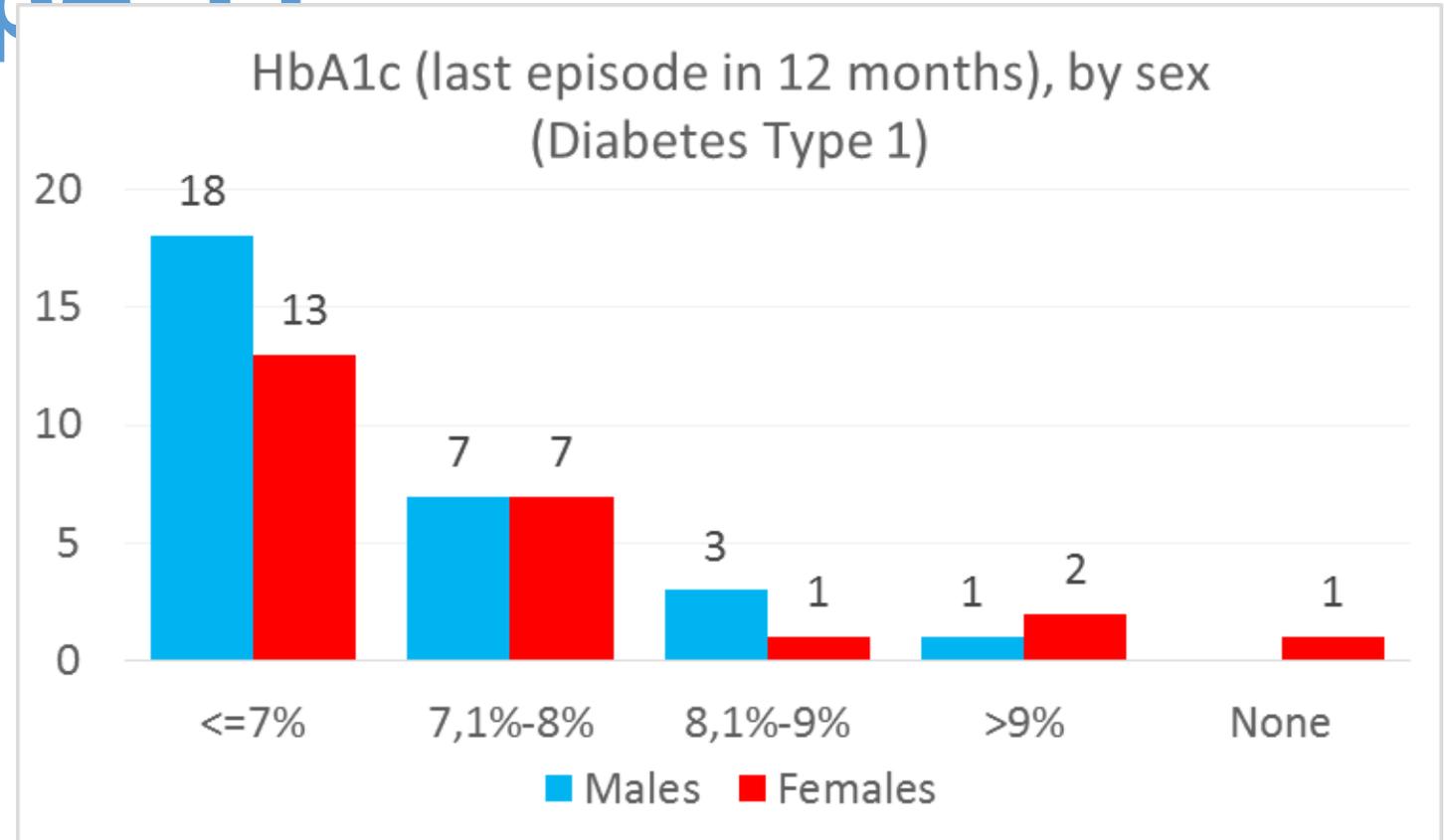
HbA1c, comparison for the period 2011-2016

HbA1c	2011	2012	2013	2014	2015	2016
<=7%	157 (51%)	214 (62%)	213 (61%)	192 (55%)	149 (44%)	223 (71%)
7,1%-8%	72 (23%)	83 (24%)	96 (28%)	94 (27%)	115 (34%)	59 (19%)
8,1%-9%	51 (17%)	31 (9%)	30 (9%)	40 (12%)	48 (14%)	20 (6%)
>9%	28 (9%)	15 (4%)	9 (3%)	18 (5%)	23 (7%)	7 (2%)
Not Stated	0 (0%)	0 (0%)	0 (0%)	3 (1%)	6 (2%)	5 (2%)
Total	308 (100%)	343 (100%)	348 (100%)	347 (100%)	341 (100%)	314 (100%)



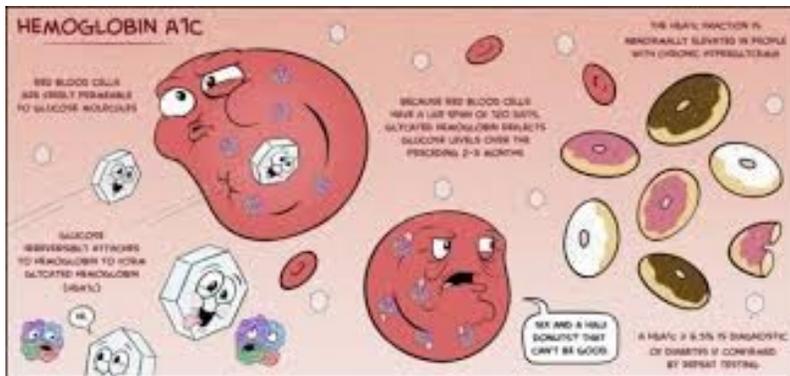
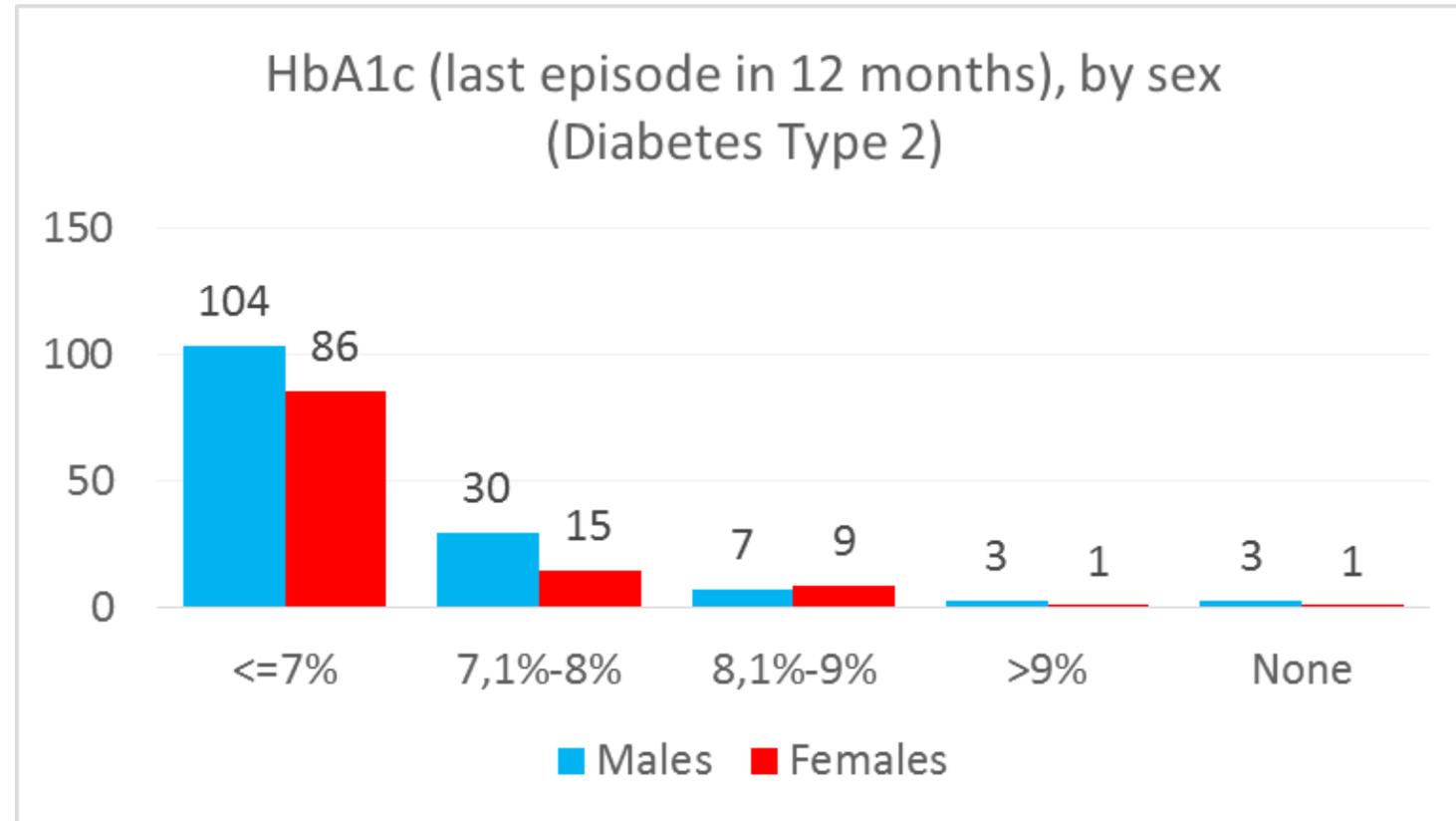
HbA1c, by sex (last episode in 12 months) (Diabetes Type 1)

HbA1c	Males	Females	Total	% of total
<=7%	18	13	31	58%
7,1%-8%	7	7	14	26%
8,1%-9%	3	1	4	8%
>9%	1	2	3	6%
None		1	1	2%
Total	29	24	53	100%



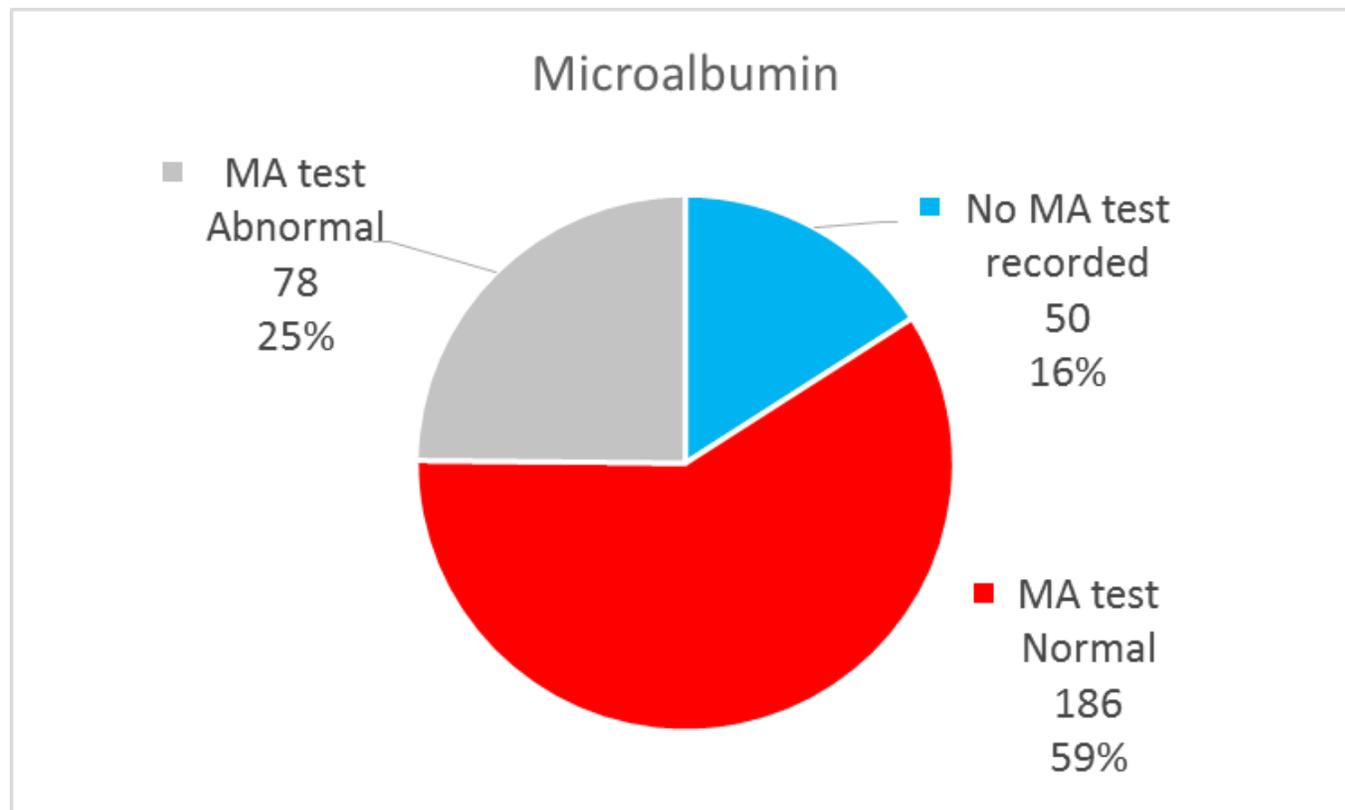
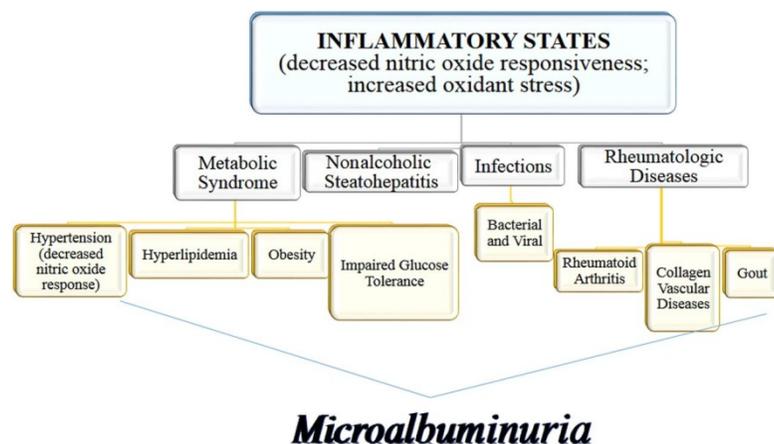
HbA1c, by sex (last episode in 12 months) (Diabetes Type 2)

HbA1c	Males	Females	Total	% of total
<=7%	104	86	190	73%
7,1%-8%	30	15	45	17%
8,1%-9%	7	9	16	6%
>9%	3	1	4	2%
None	3	1	4	2%
Total	147	112	259	100%



Microalbumin

Microalbumin	Total number of patients	%
No MA test recorded	50	16%
MA test Normal	186	59%
MA test Abnormal	78	25%
Total	314	100%



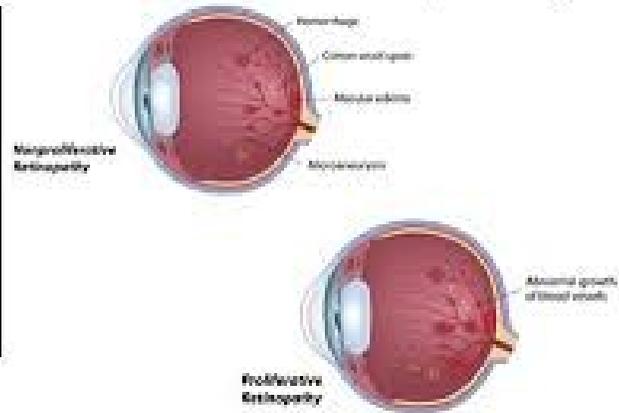
Health System

Processes

Normal

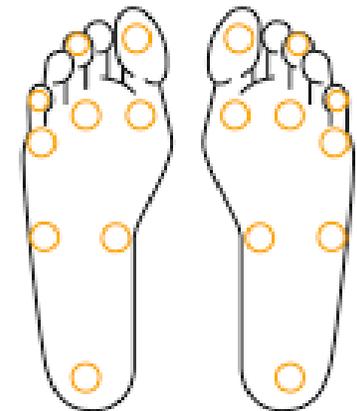


Diabetic Retinopathy



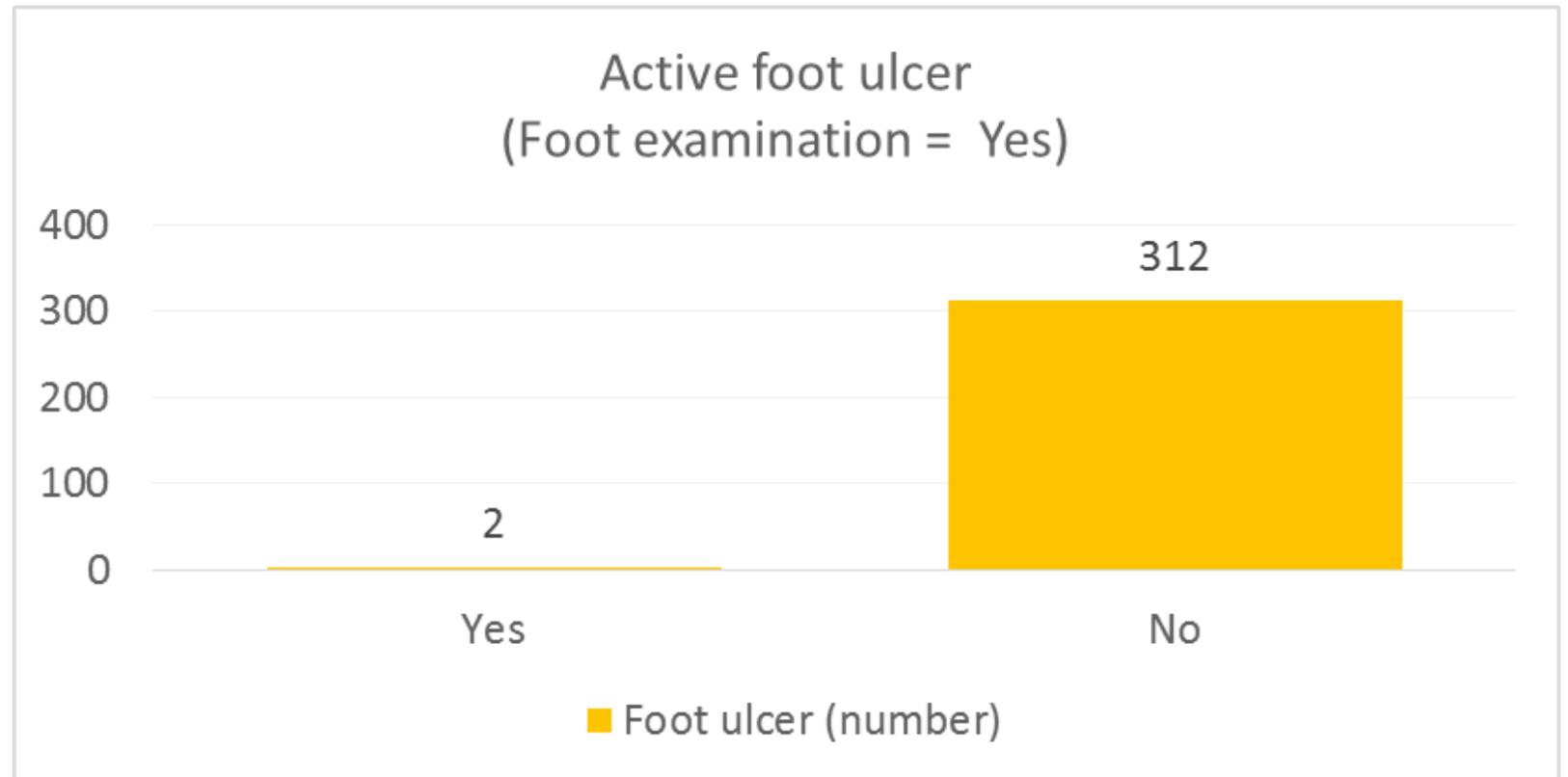
Foot Screen Test Sites

If you have a ⊖ in any circle, discuss it with your diabetes care team as soon as possible.



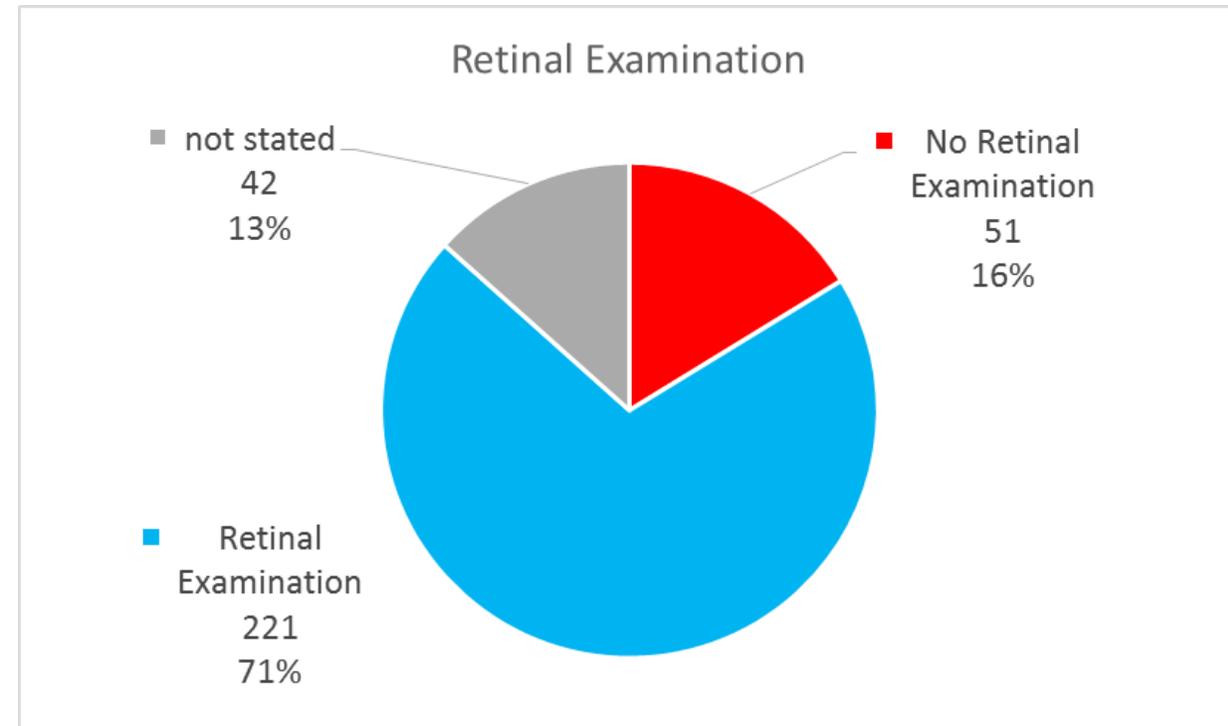
Active foot ulcer (Foot examination = Yes)

Foot ulcer	N
Yes	2
No	312
Total	314



Retinal Examination

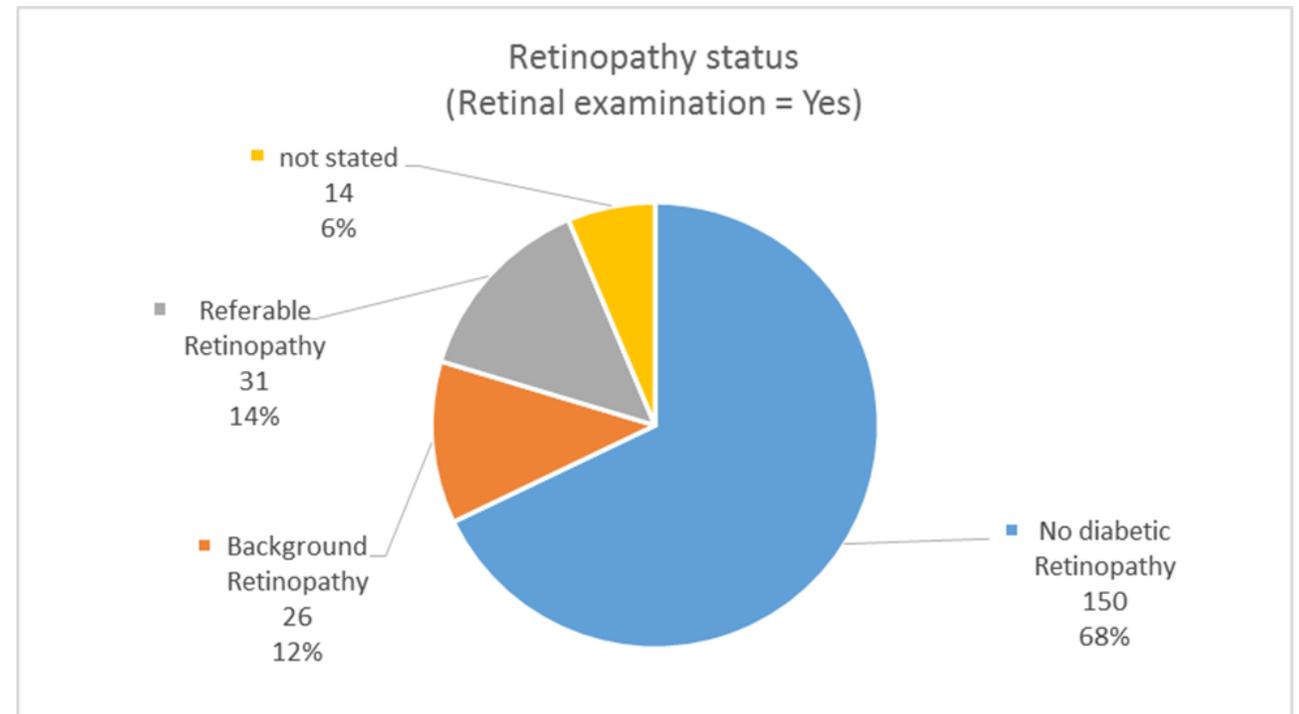
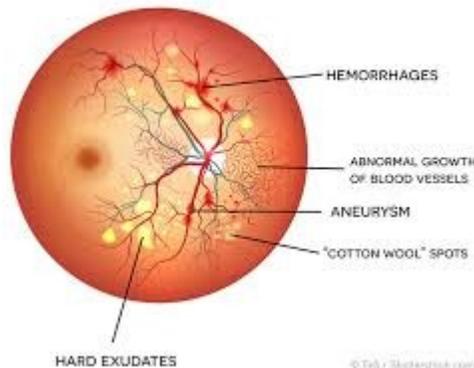
Retinal Examination	Total number of patients	%
Retinal Examination	221	70%
No Retinal Examination	51	16%
not stated	42	13%
Total	314	100%



Retinopathy status (Retinal examination = Yes)

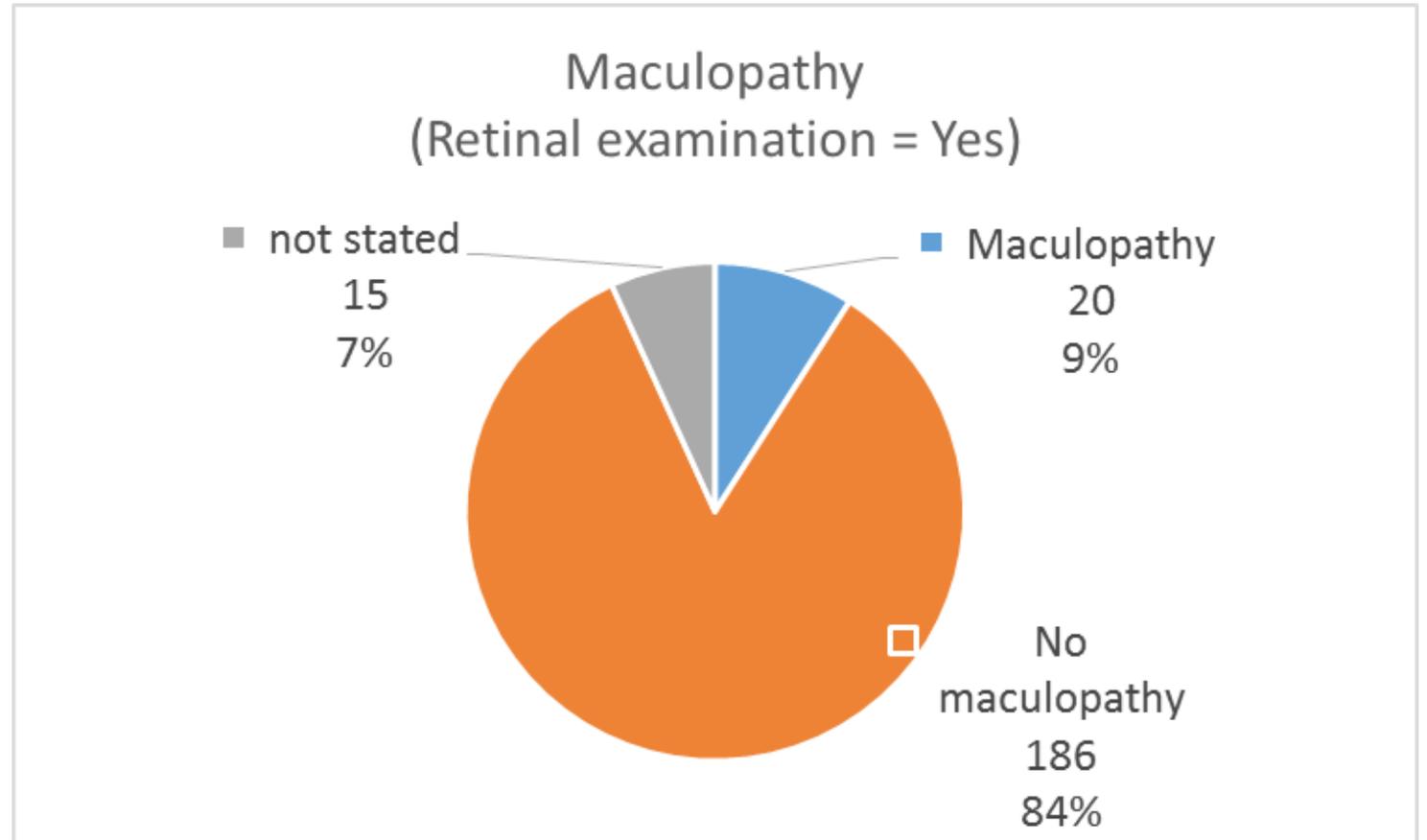
Retinopathy status	Total number of patients	%
No diabetic Retinopathy	150	68%
Background Retinopathy	26	12%
Referable Retinopathy	31	14%
not stated	14	6%
Total	221	100%

DIABETIC RETINOPATHY



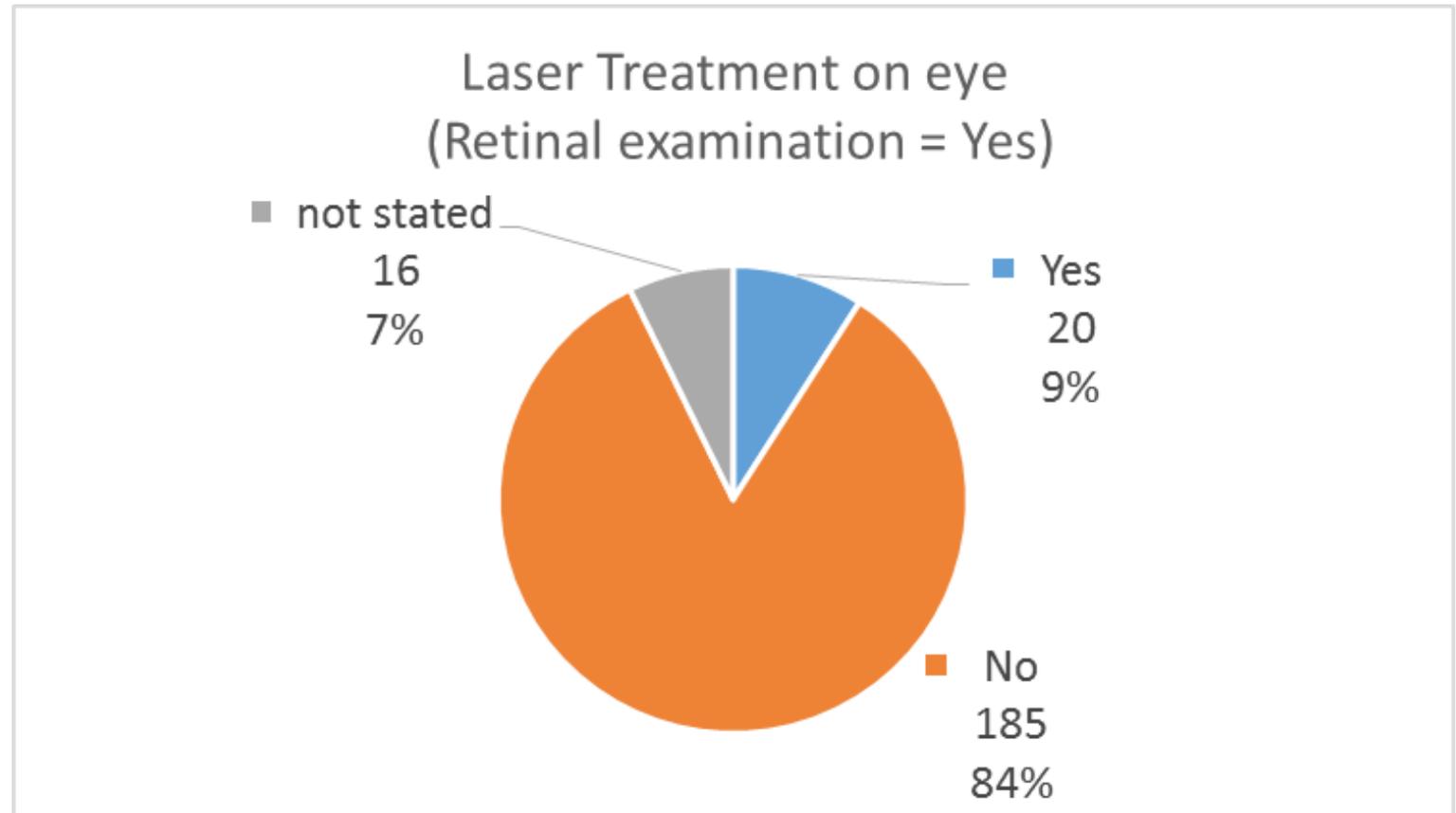
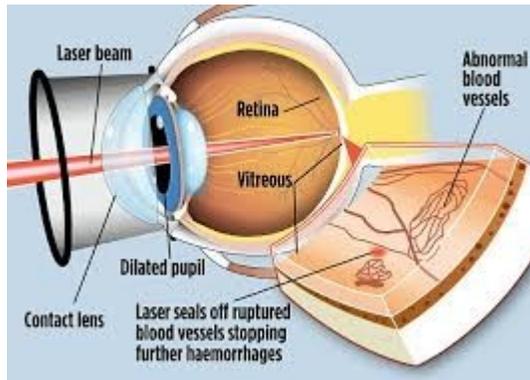
Maculopathy (Retinal examination = Yes)

Maculopathy	Total number of patients	%
Maculopathy	20	9%
No maculopathy	186	84%
not stated	15	7%
Total	221	100%



Laser Treatment on eye (Retinal examination = Yes)

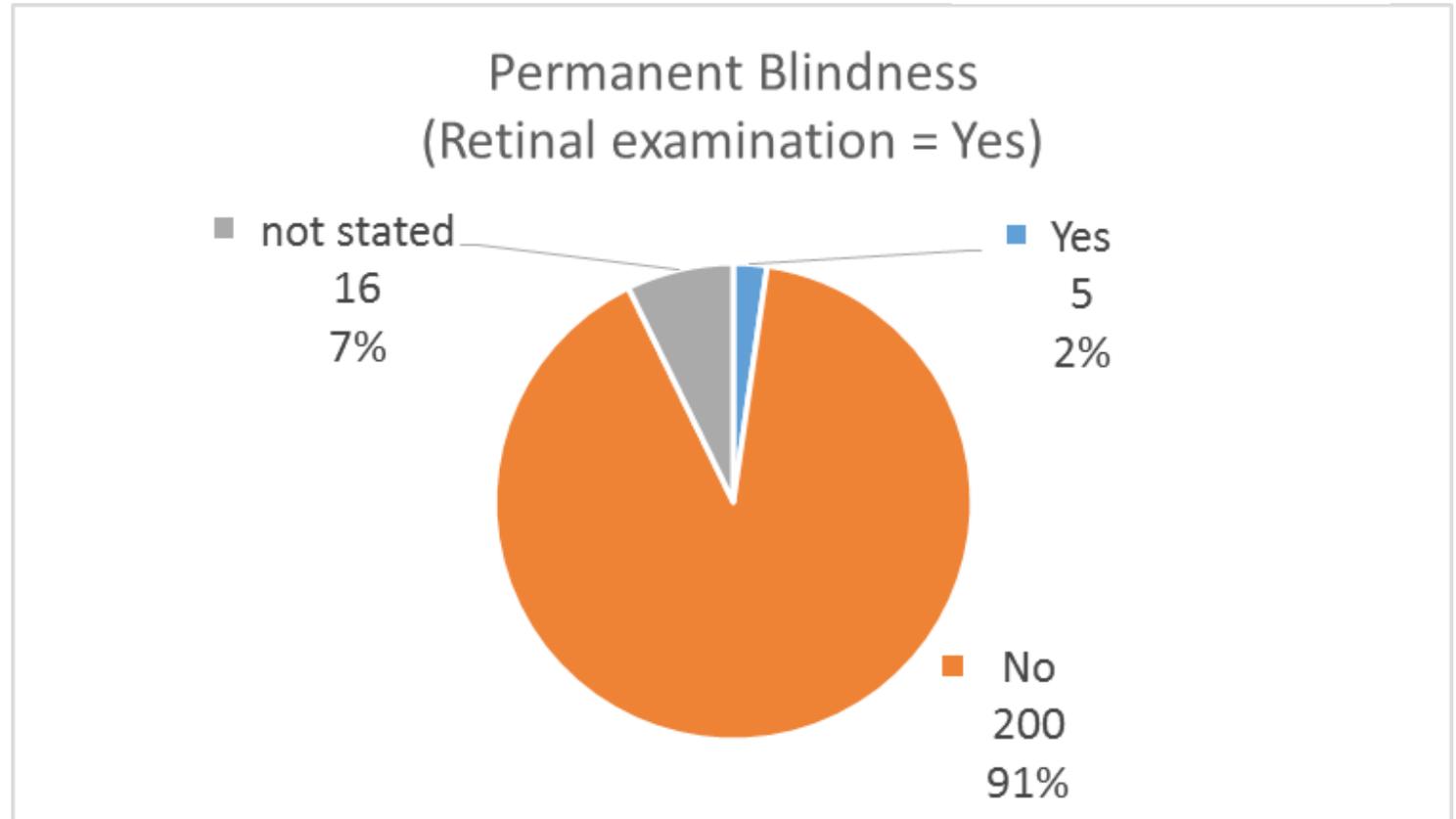
Laser Treatment	Total number of patients	%
Yes	20	9%
No	185	84%
not stated	16	7%
Total	221	100%



Permanent Blindness (Retinal examination = Yes)



Permanent Blindness	Total number of patients	%
Yes	5	2%
No	200	90%
not stated	16	7%
Total	221	100%



Treatment

Diabetes management program includes:

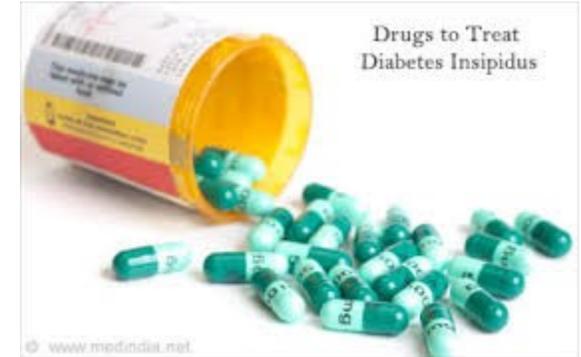


Natural Diabetes Treatment

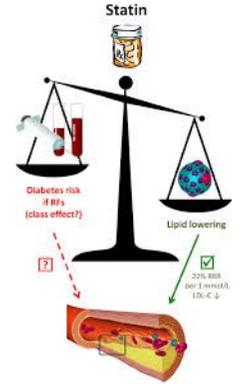


EXERCISE GUIDE FOR DIABETIC FITNESS

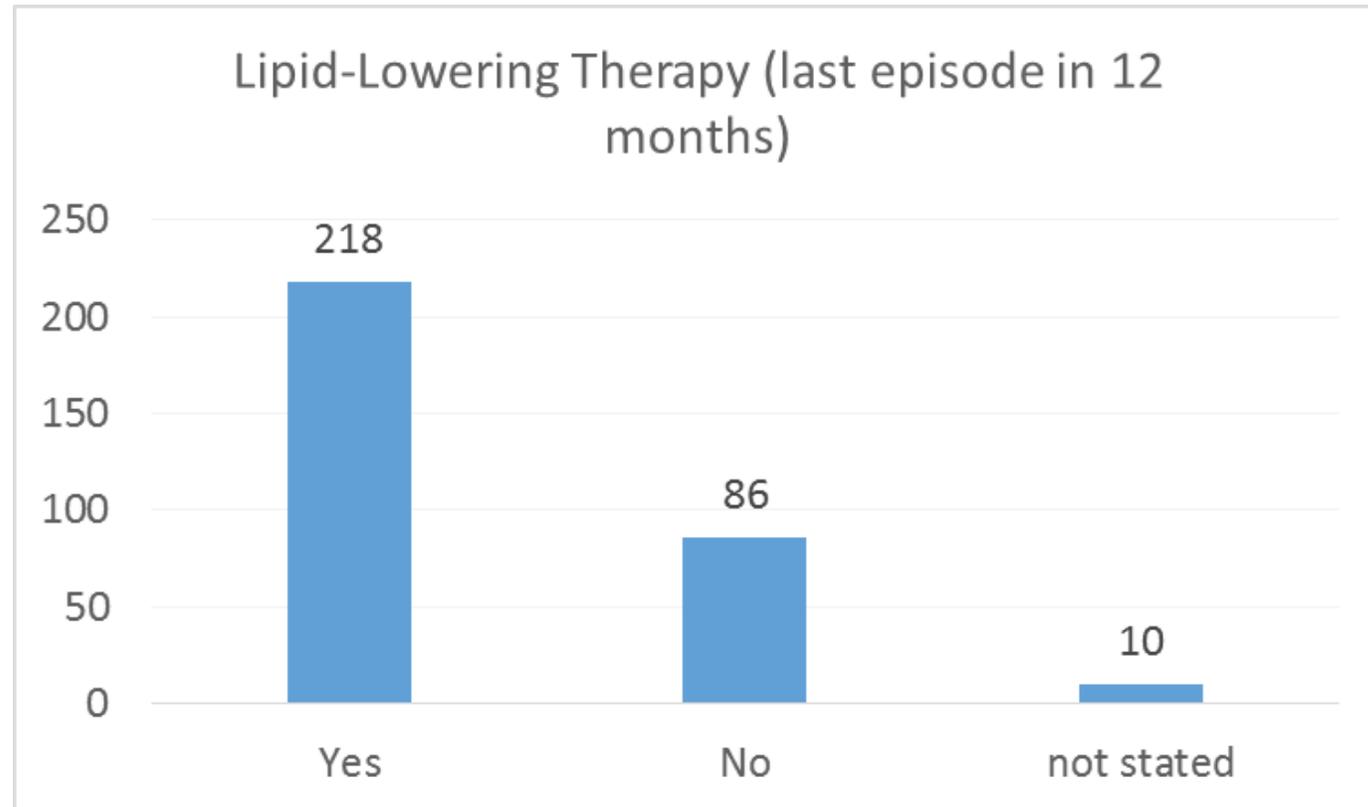
- F** Frequency
Regular (2x to 4x Per Week)
- I** Intensity
60-80% Of Maximal Heart Rate
- T** Time
Aerobic Activity
20-30 Min.
With 5-10 Min.
Warm Up



Lipid-Lowering Therapy (last episode in 12 months)

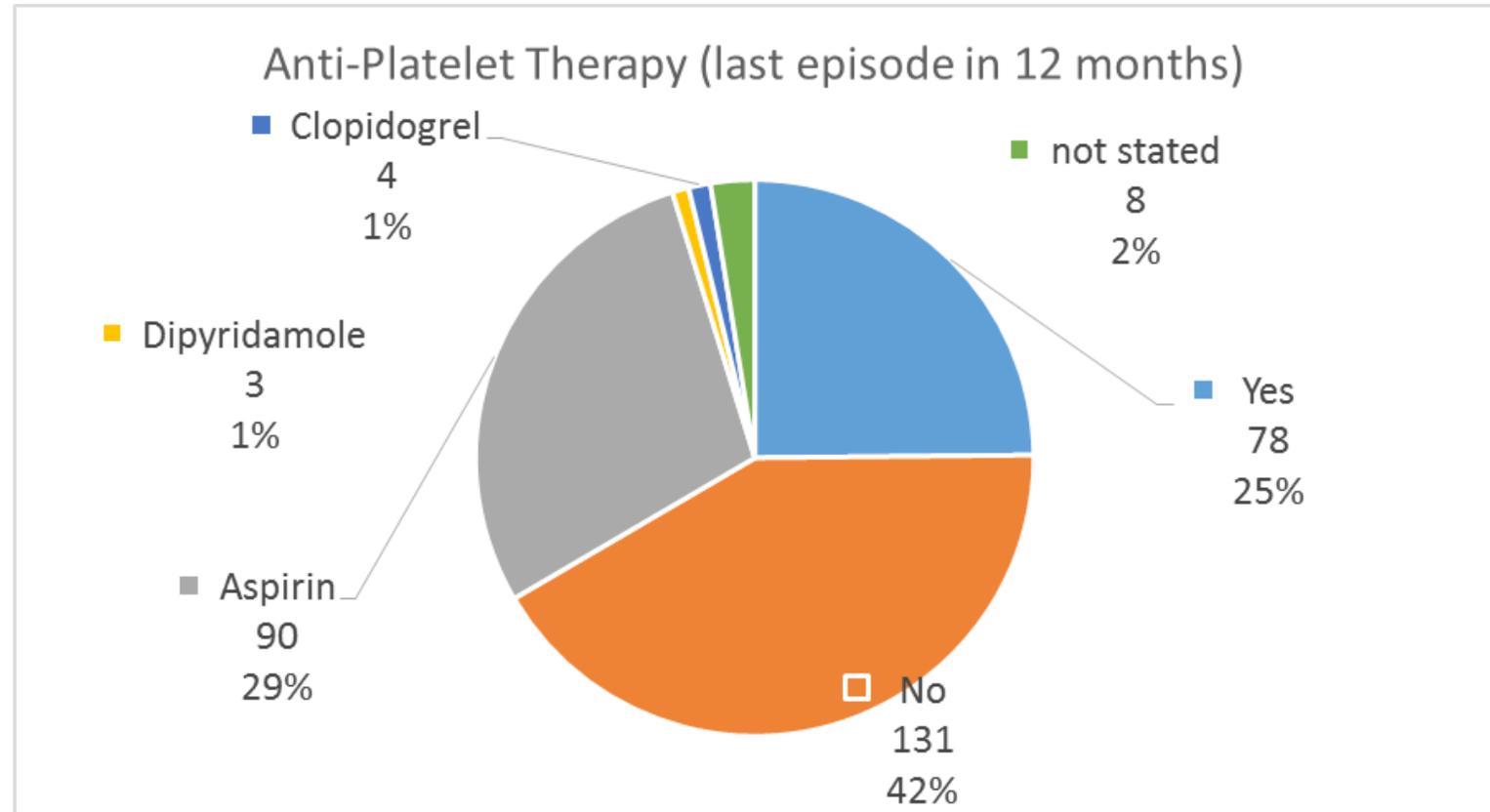
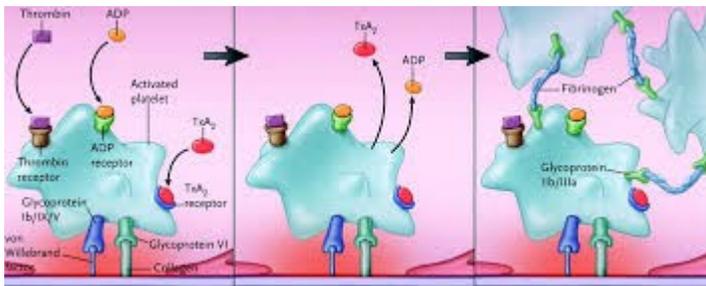


lipid-Lowering Therapy	Total number of patients	%
Yes	218	69%
No	86	27%
not stated	10	3%
Total	314	100%



Anti-Platelet Therapy (last episode in 12 months)

Anti-Platelet Therapy	Total number of patients	%
Yes	78	25%
No	131	42%
Aspirin	90	29%
Dipyridamole	3	1%
Clopidogrel	4	1%
not stated	8	3%
Total	314	100%

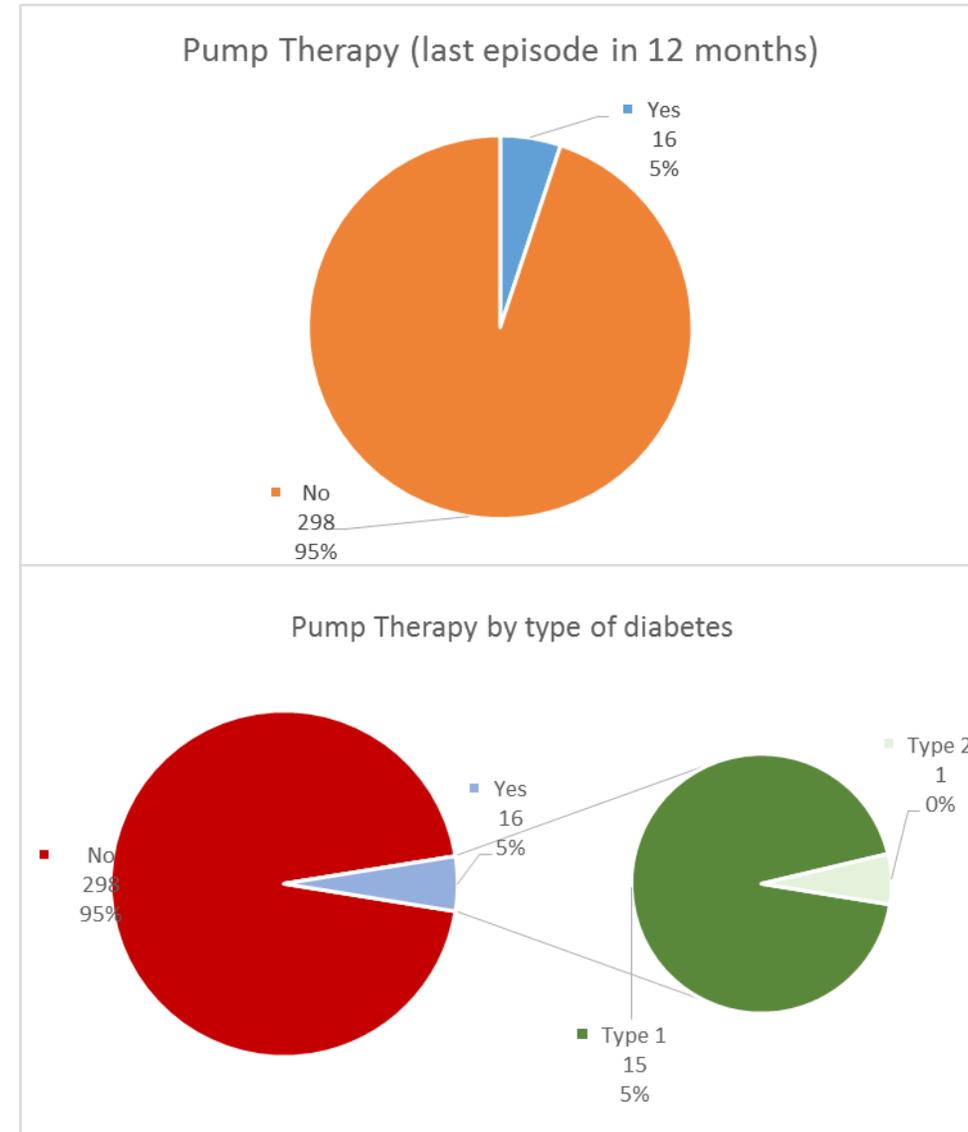
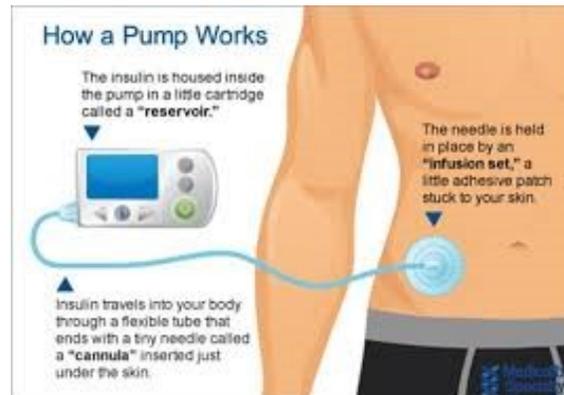


Pump Therapy (last episode in 12 months)

Pump Therapy	Total number of patients	%
Yes	16	5%
No	298	95%
Total	314	100%

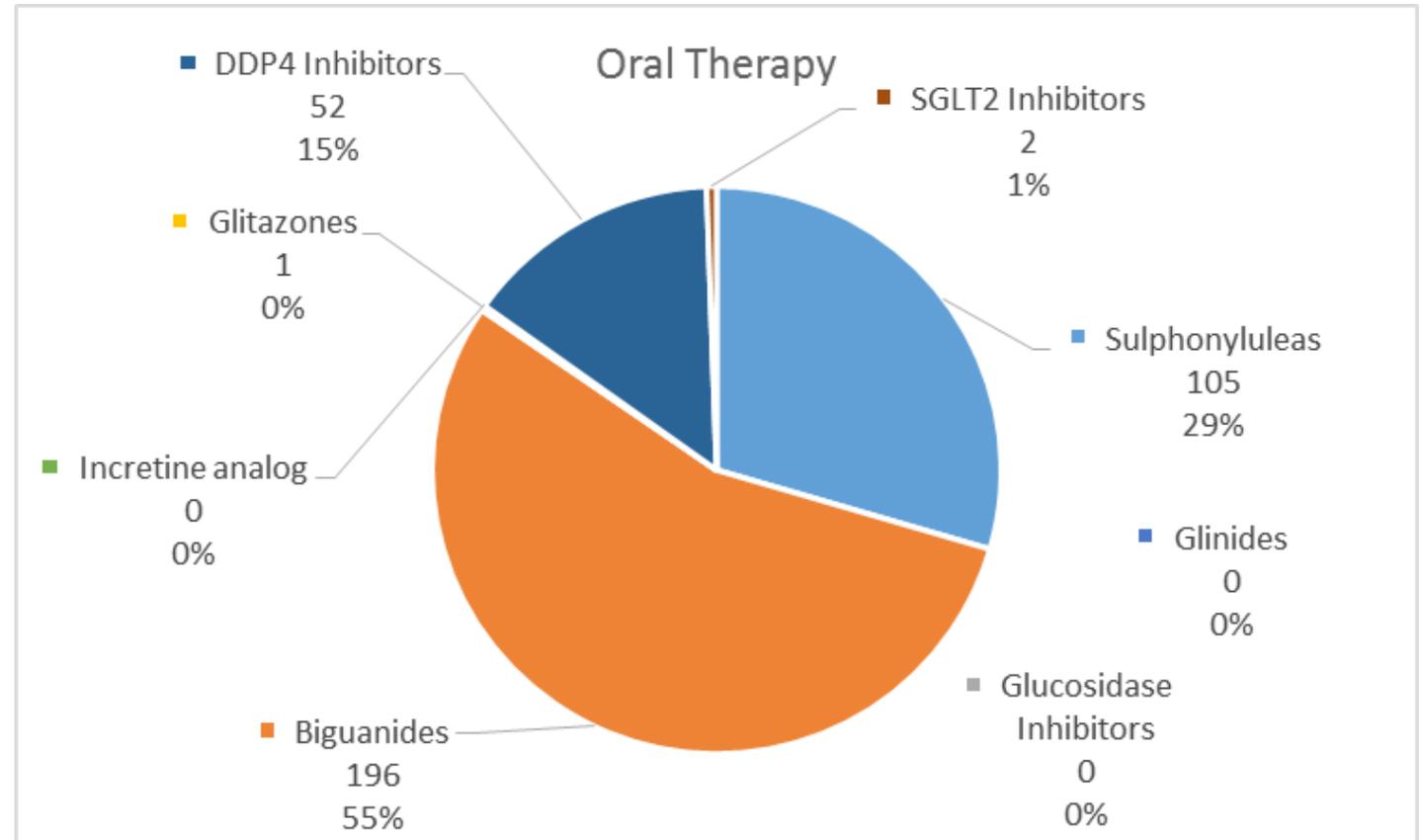
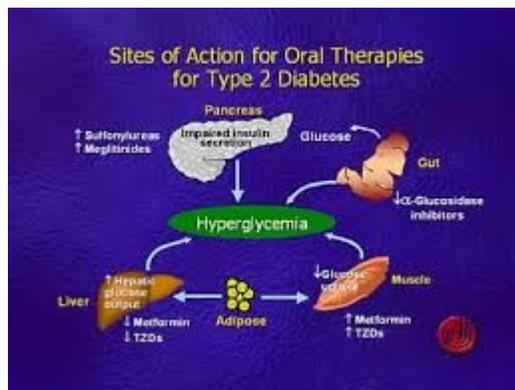
16 people on Pump therapy:

- 15 with Type 1 Diabetes
- 1 with Type 2 Diabetes.



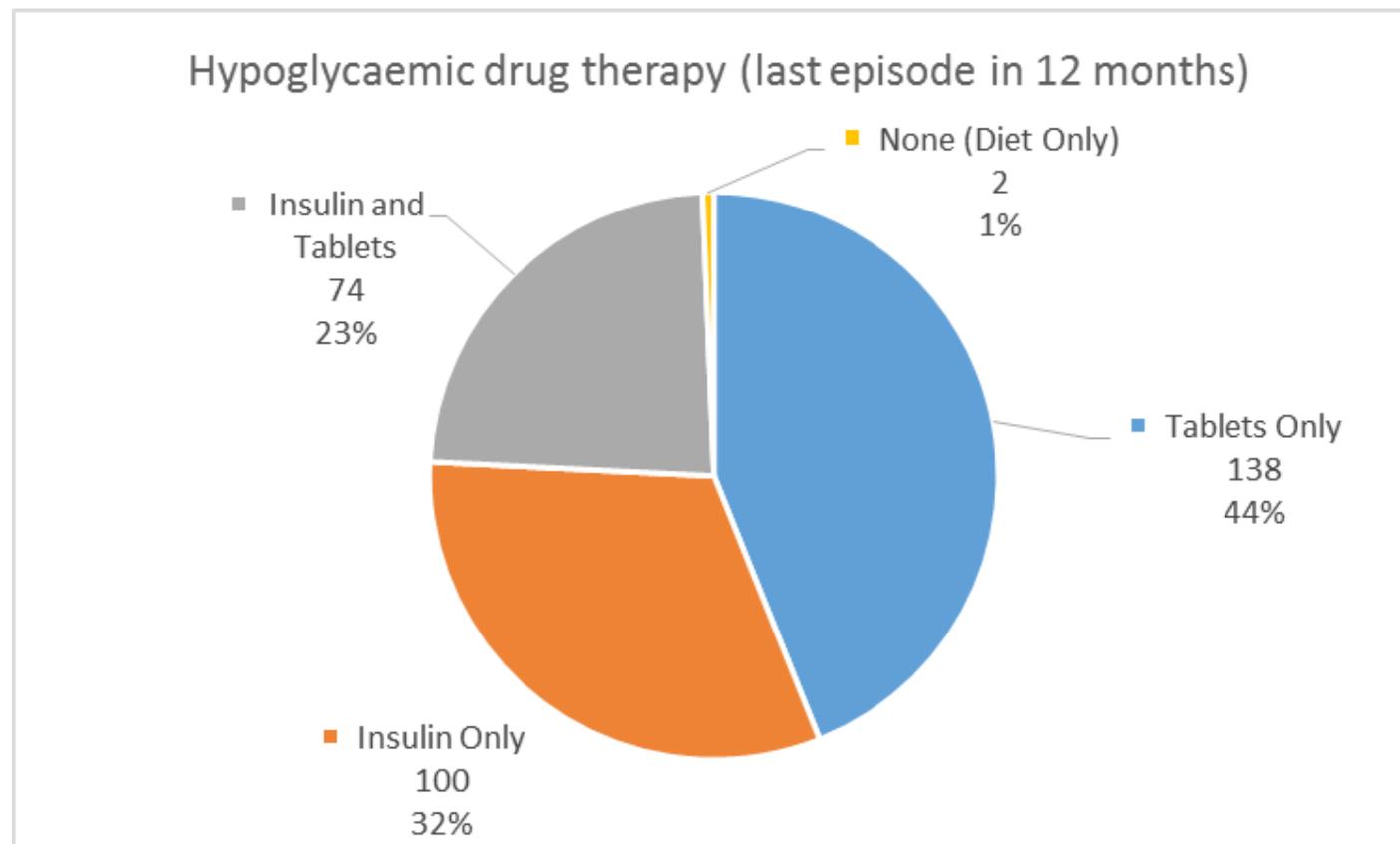
Oral Therapy

Oral Therapy	N
Sulphonylureas	105
Biguanides	196
Glucosidase Inhibitors	0
Glitazones	1
Glinides	0
Incretine analog	0
DDP4 Inhibitors	52
SGLT2 Inhibitors	2

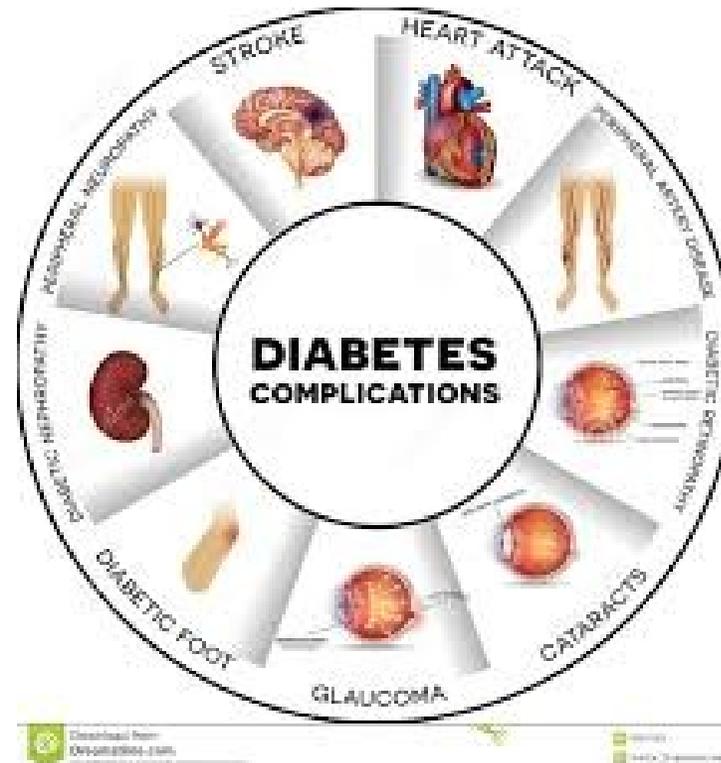


Hypoglycaemic drug therapy (last episode in 12 months)

Hypoglycaemic drug therapy	Total number of patients	%
Tablets Only	138	44%
Insulin Only	100	32%
Insulin and Tablets	74	24%
None (Diet Only)	2	1%
Total	314	100%

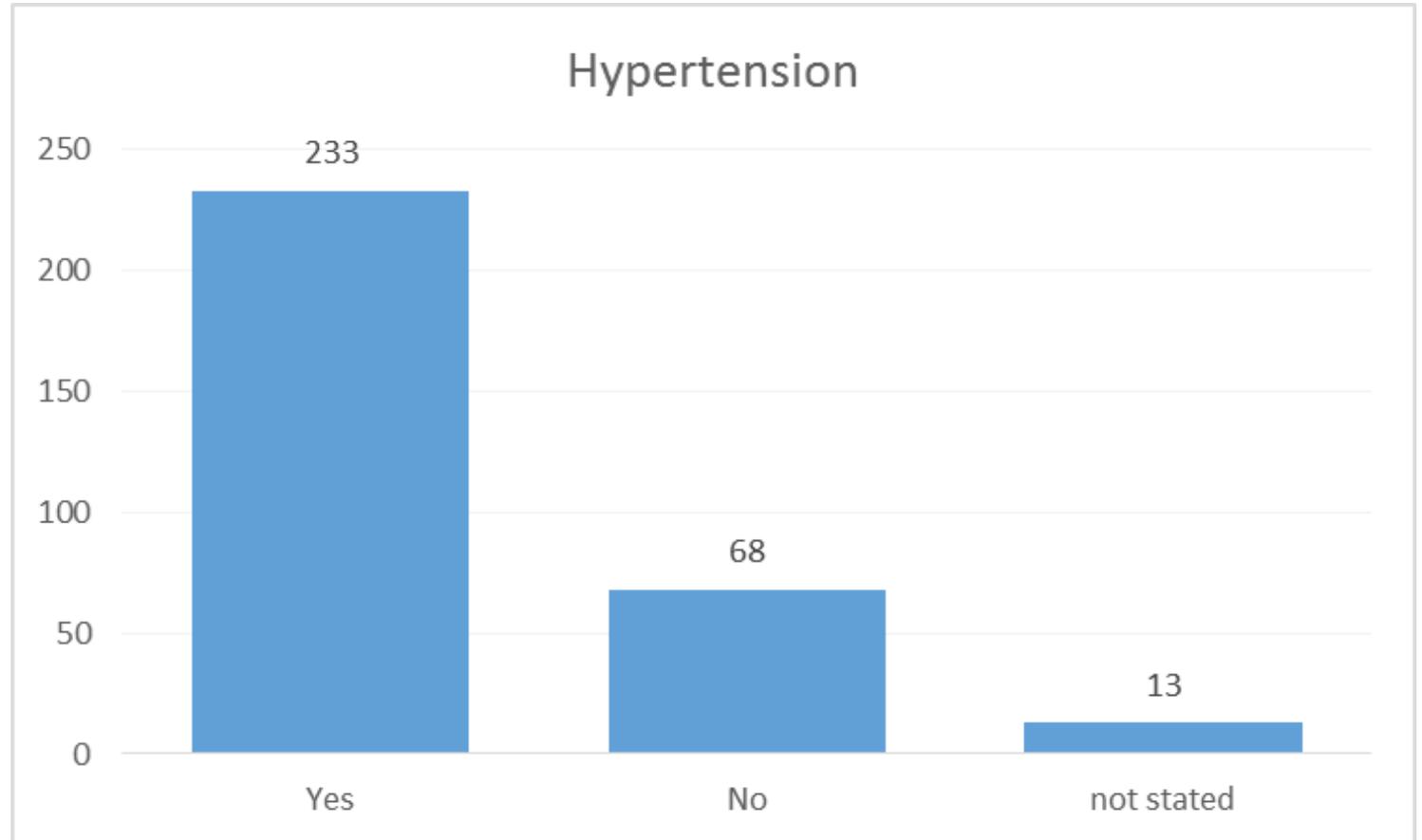


Complications of diabetes



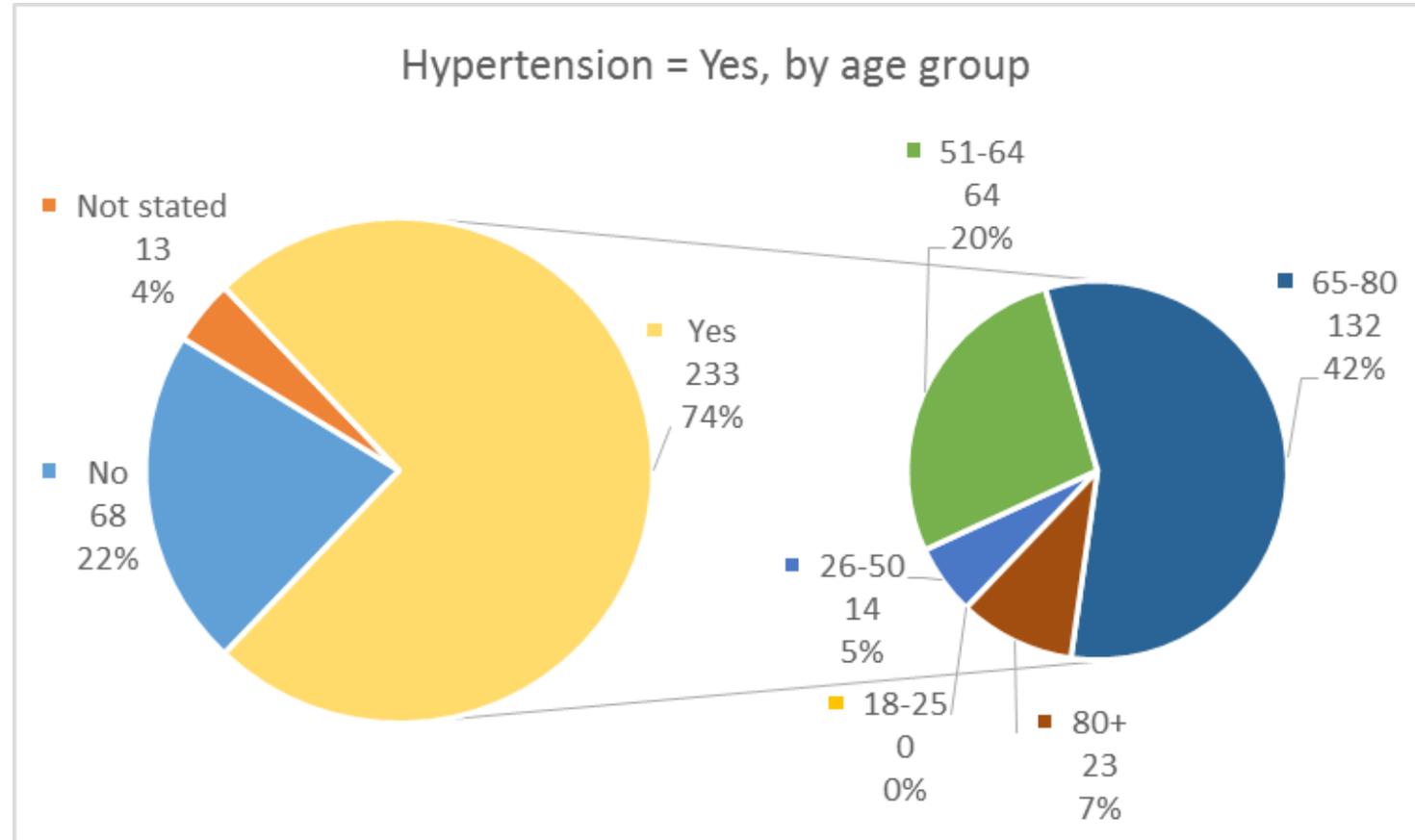
Hypertension

Hypertension	Total number of patients	%
Yes	233	74%
No	68	22%
not stated	13	4%
Total	314	100%



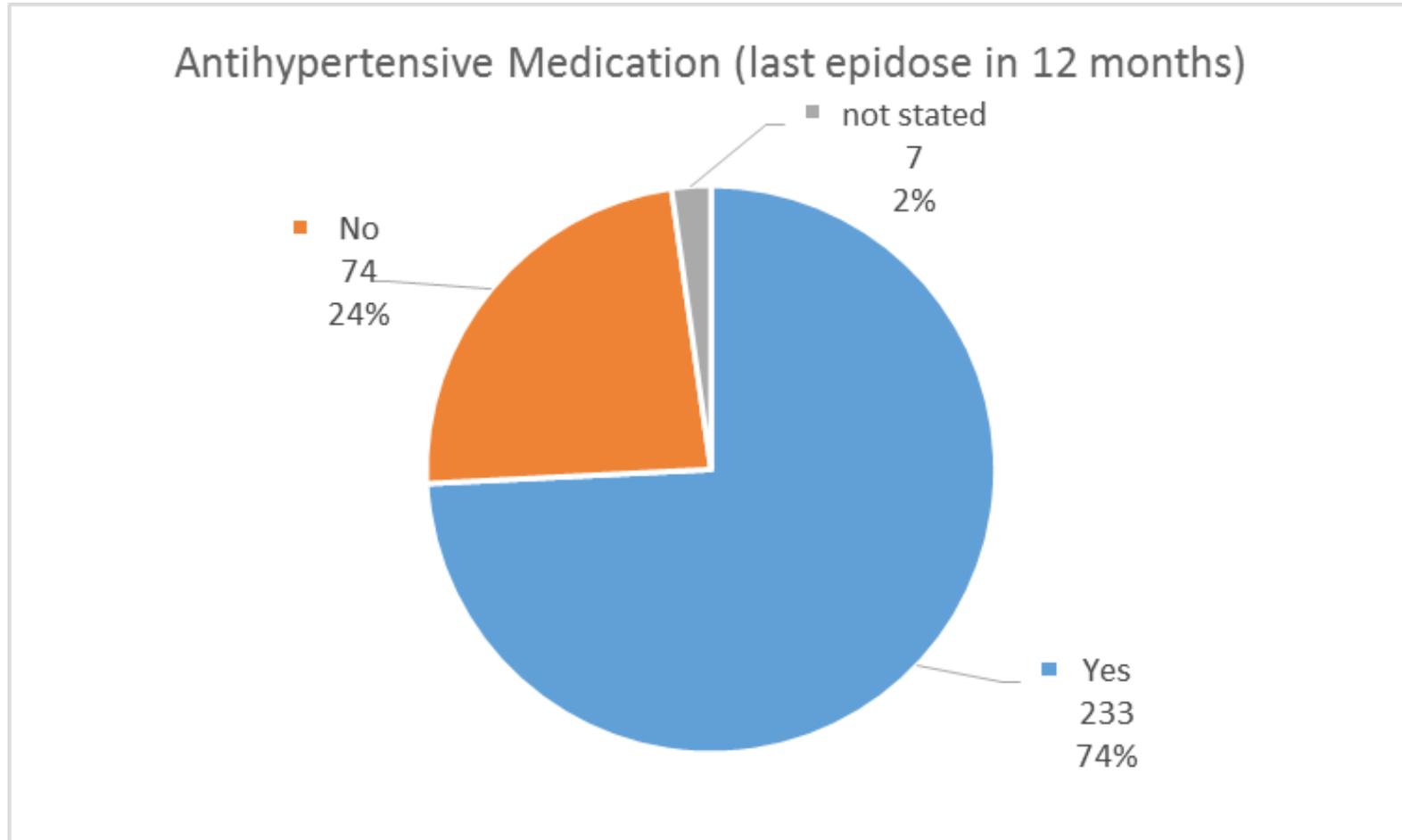
Hypertension = Yes, by age group

Age group	Total number of patients	%
No	68	22%
Not stated	13	4%
Yes	233	
18-25	0	0%
26-50	14	4%
51-64	64	20%
65-80	132	42%
80+	23	7%
Total	314	100%



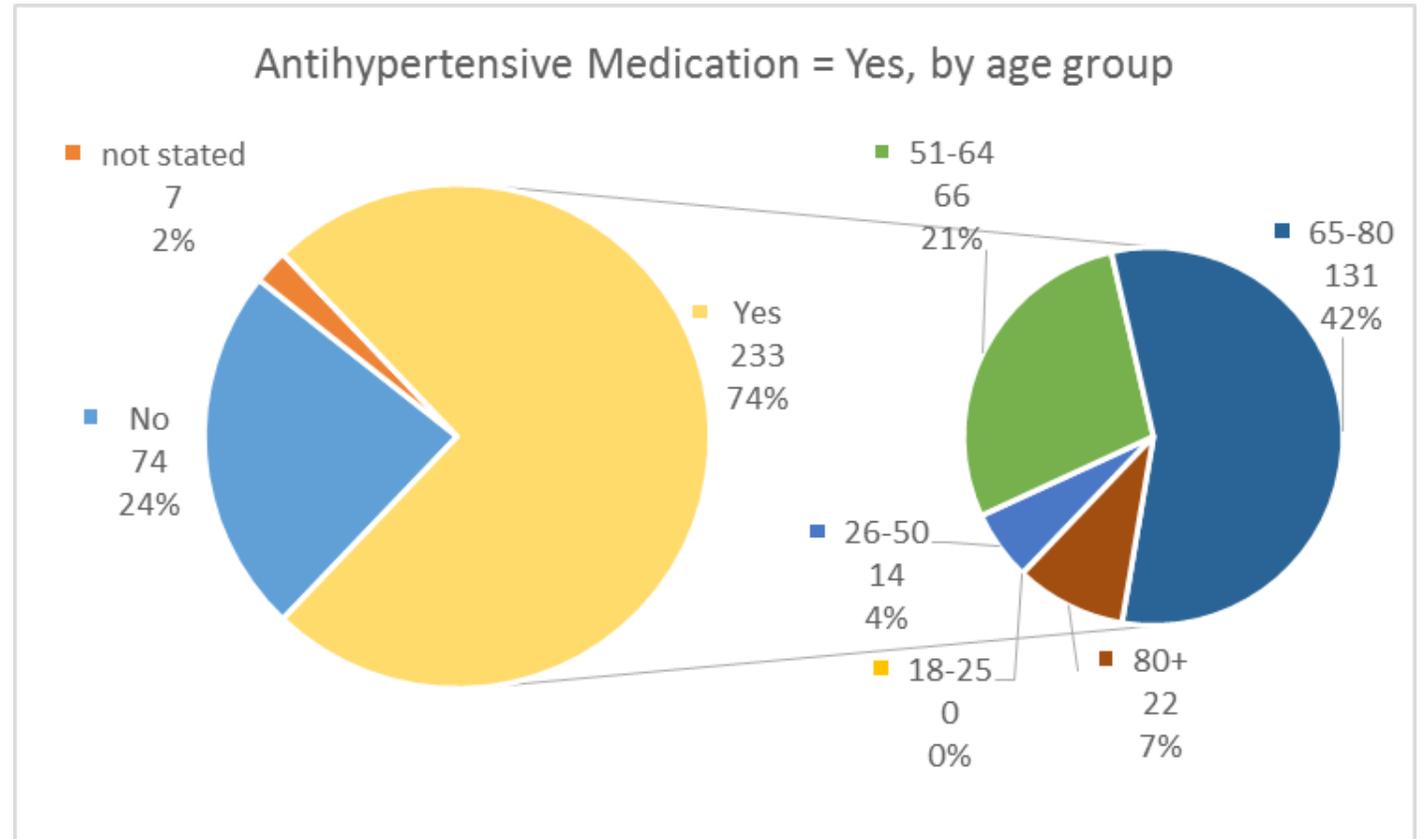
Antihypertensive Medication

Antihypertensive Medication	Total number of patients	%
Yes	233	74%
No	74	24%
not stated	7	2%
Total	314	100%



Antihypertensive Medication = Yes, by age group

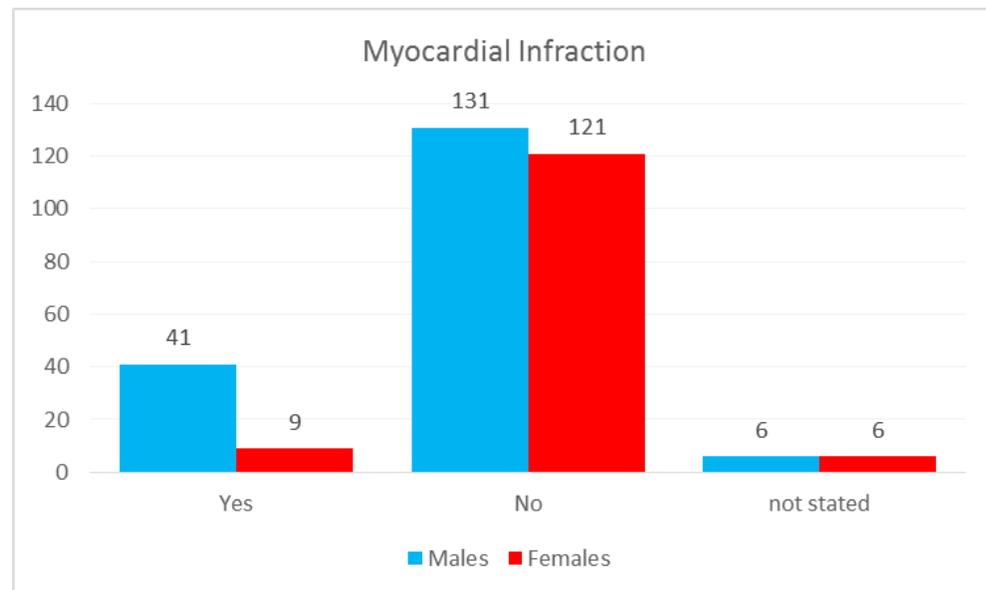
Antihypertensive Medication	Total number of patients	%
No	74	24%
not stated	7	2%
Yes:	233	
18-25	0	0%
26-50	14	4%
51-64	66	21%
65-80	131	42%
80+	22	7%
Total	314	100%



Myocardial Infraction

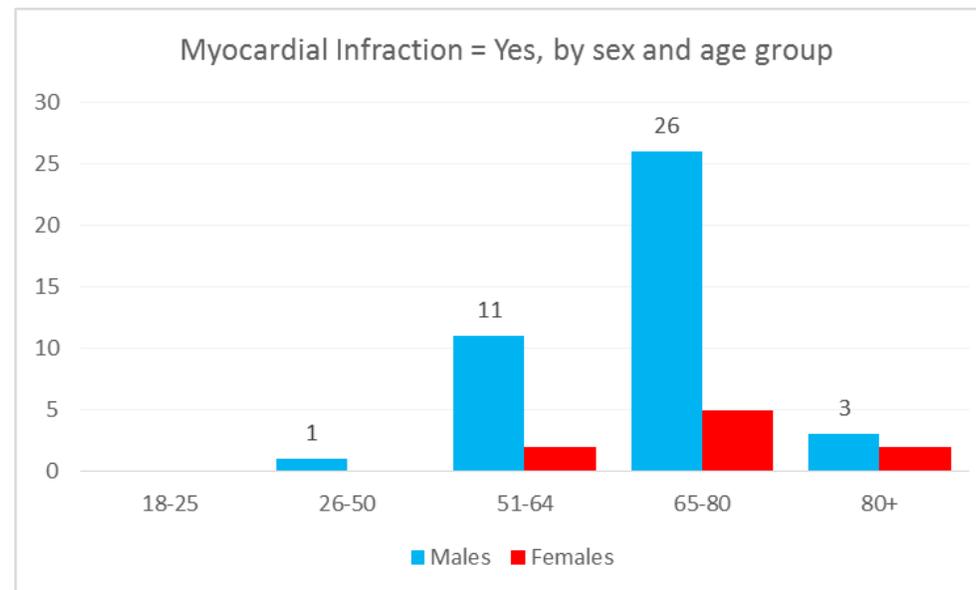
By sex

Myocardial Infraction	Males	Females	Total
Yes	41	9	50
No	131	121	252
not stated	6	6	12
Total	178	136	314

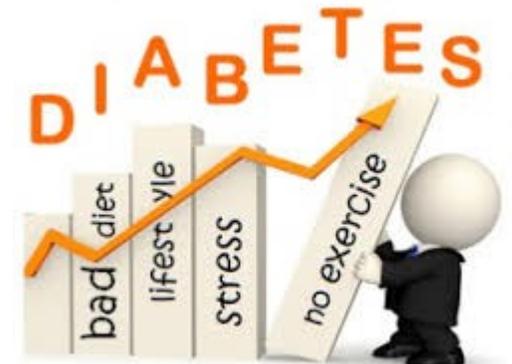


By sex & age group (Myocardial Infraction = Yes)

Age group	Males	Females	Total
18-25			
26-50	1		1
51-64	11	2	13
65-80	26	5	31
80+	3	2	5
Total	41	9	50

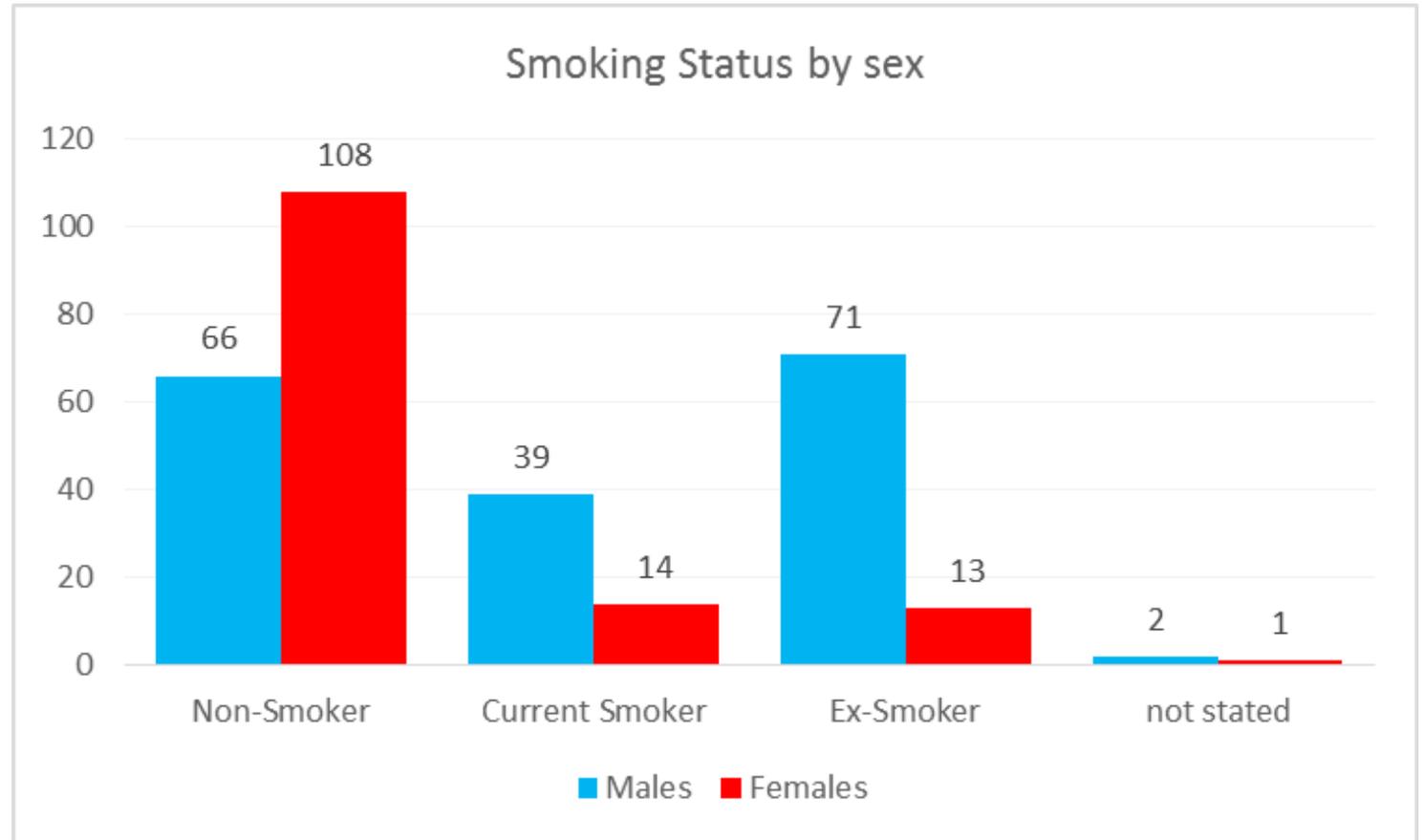


Lifestyle factors



Smoking Status, by sex

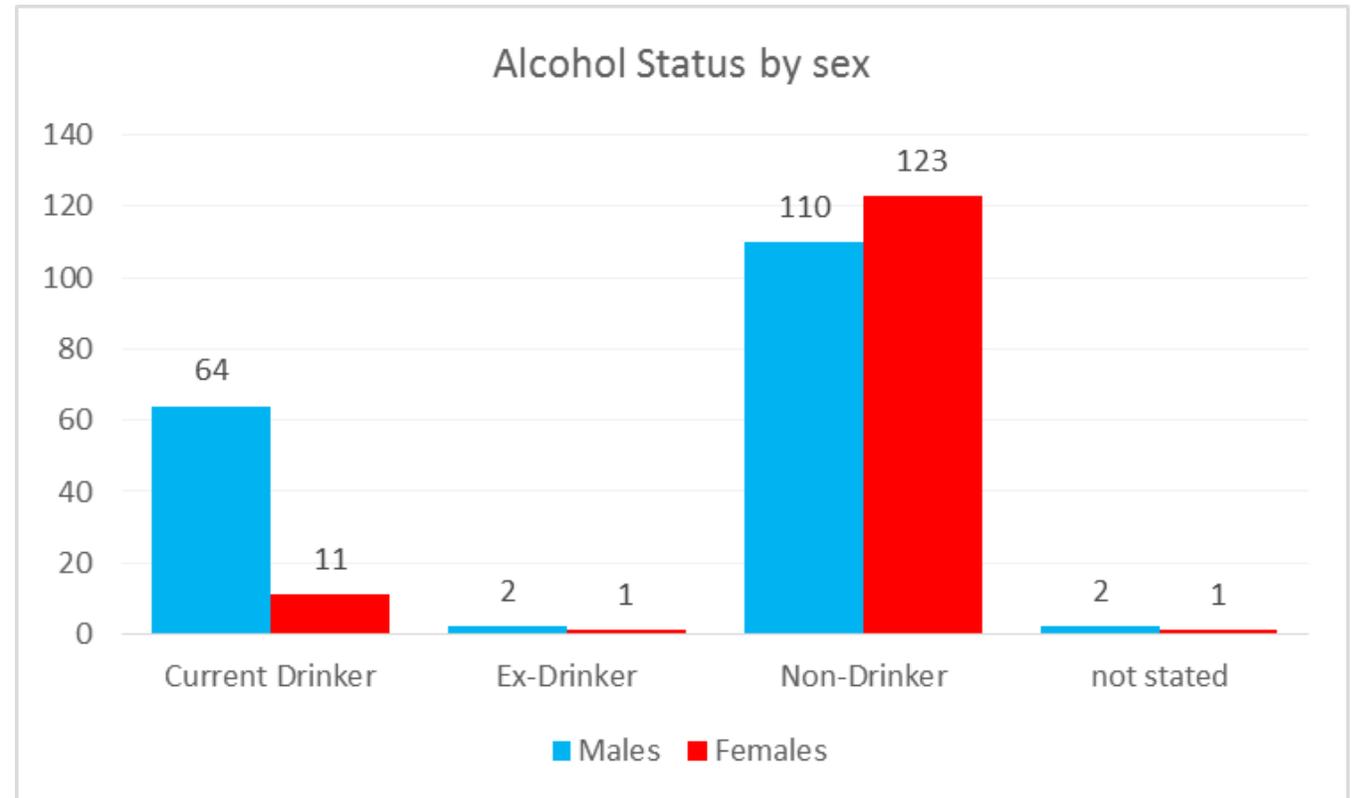
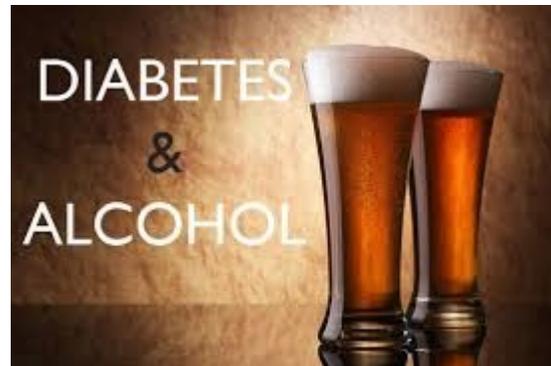
Smoking Status	Males	Females	Total
Non-Smoker	66	108	174
Current Smoker	39	14	53
Ex-Smoker	71	13	84
not stated	2	1	3
Total	178	136	314



Alcohol Status by sex



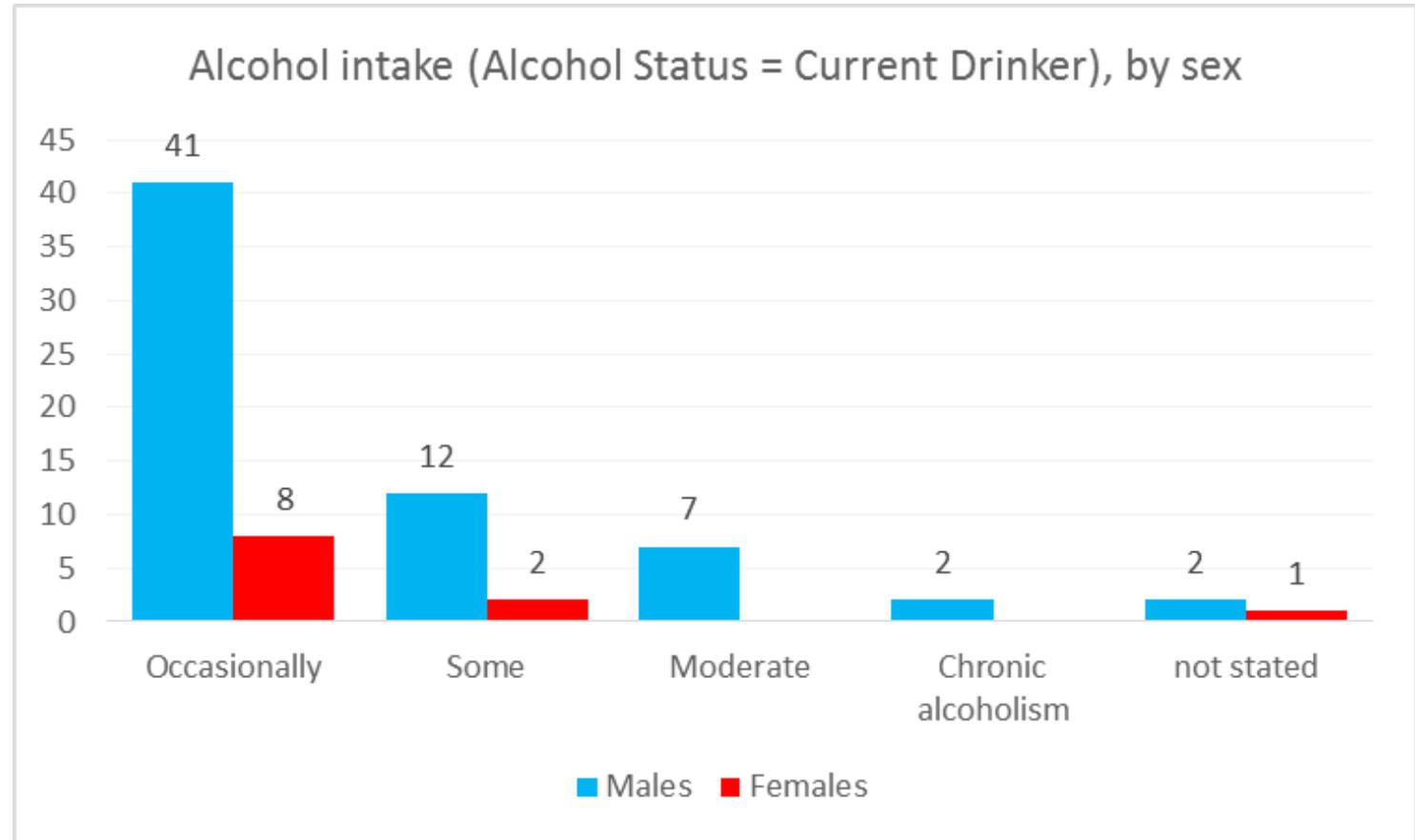
Alcohol Status	Males	Females	Total
Current Drinker	64	11	75
Ex-Drinker	2	1	3
Non-Drinker	110	123	233
not stated	2	1	3
Total	178	136	314



Alcohol intake (Alcohol Status = Current Drinker), by sex

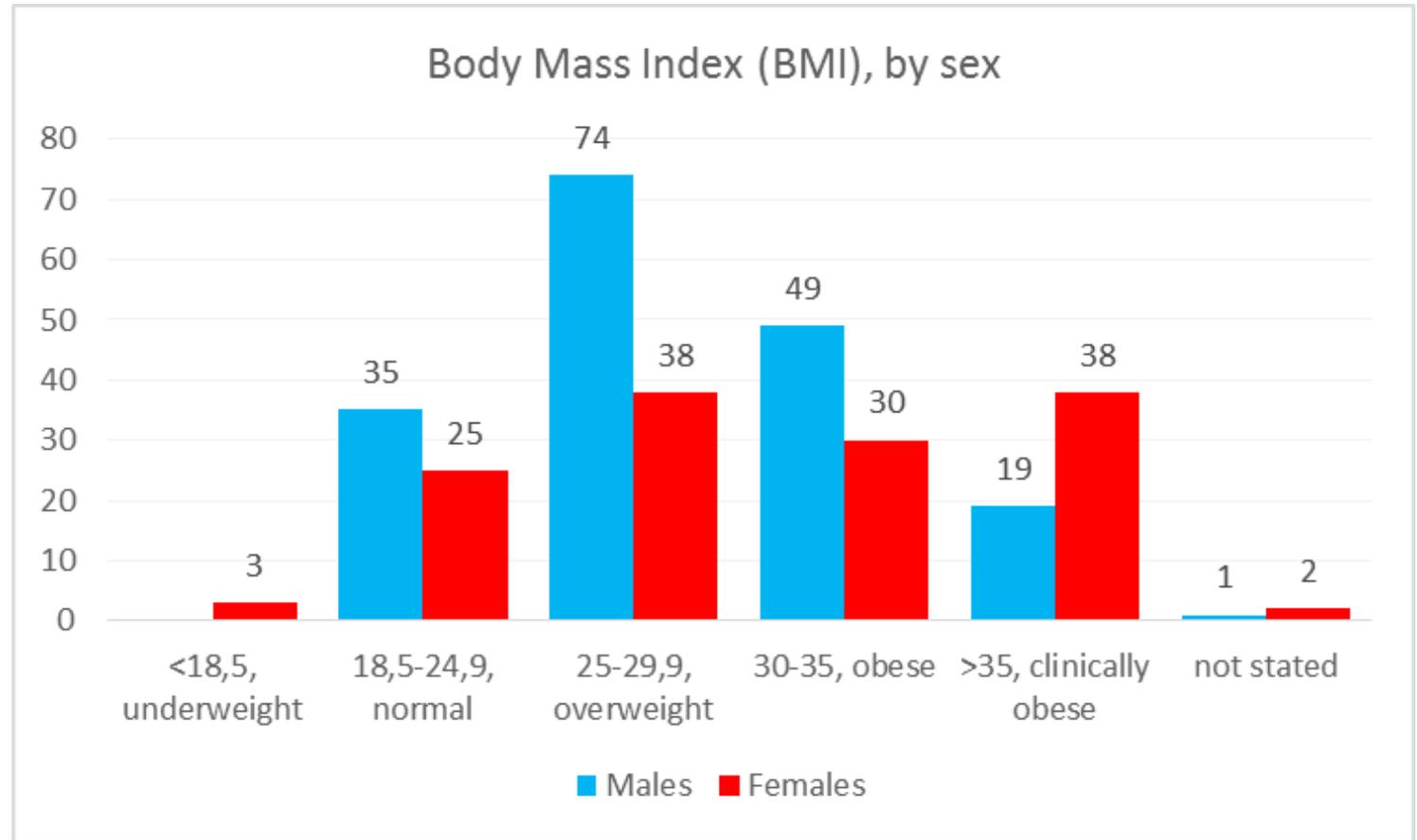
Alcohol intake	Males	Females	Total
Occasionally	41	8	49
Some	12	2	14
Moderate	7		7
Chronic alcoholism	2		2
not stated	2	1	3
Total	64	11	75

Alcohol Definition of Moderate



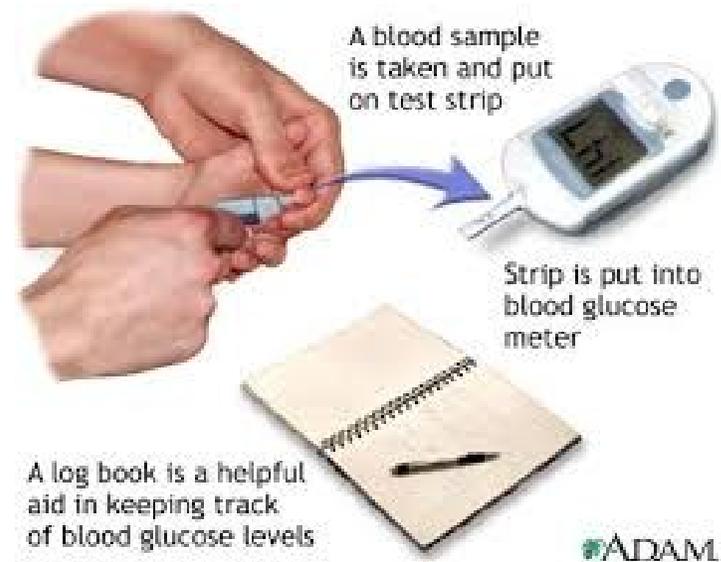
Body Mass Index (BMI), by sex

BMI group	Males	Females	Total	% of total
<18,5, underweight		3	3	1%
18,5-24,9, normal	35	25	60	19%
25-29,9, overweight	74	38	112	36%
30-35, obese	49	30	79	25%
>35, clinically obese	19	38	57	18%
not stated	1	2	3	1%
Total	178	136	314	100%



Self-Monitoring

- **Blood glucose:**
 - Reagent strips: used by all attending



Diabetes Specific Education **Diabetes** Education

Education	Total number of patients	%
Yes	311	99%
No	3	1%
Total	314	100%

Listening
=
Learning



Diabetes Prevention Education

