



Innovex UK
Diabetes Clinical Review and Outcomes Service

Example Practice Report

Practice Details

Dr X & Partners
The Surgery, The Lane
Practice National Code:

Date Report Produced:
Type of Report: Baseline
Extraction Date:

Section 1 – General Statistics

1.1 Population

Metric	No. or %	%
Total Registered Patients	16001	
Total Diabetes Patients	428	2.7
Male Diabetes Patients	234	2.9
Female Diabetes Patients	194	2.4
Prevalence (Male)	2.9	85.3
Prevalence (Female)	2.4	85.7

1 – National Prevalence figures used are Male 3.4% and Female 2.8%

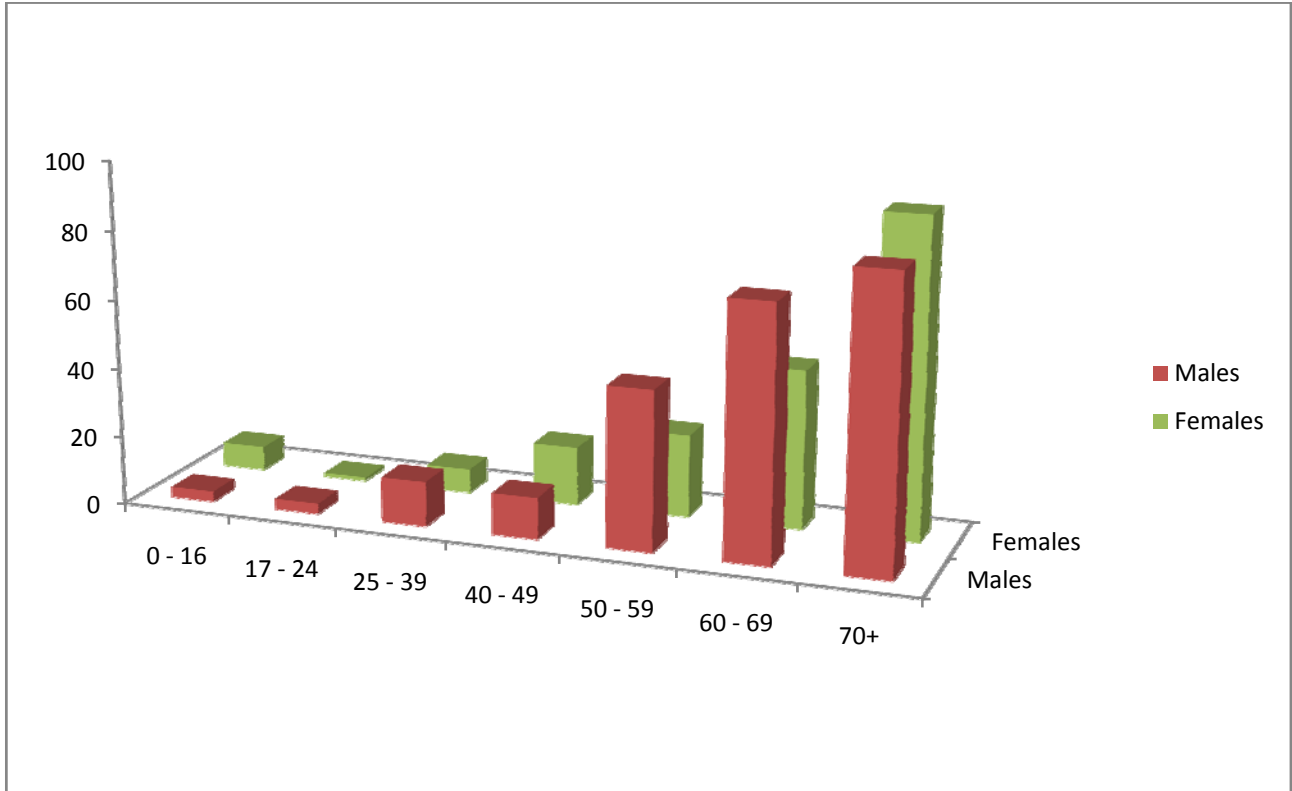
1.2 Ethnicity (males)

Recorded Ethnicity of Diabetes	No. of Patients	% of Diabetes Patients	Average BMI
African or Afro Caribbean	0	0	
Asian sub continent	1	0.4	26
Caucasian	2	0.9	34.5
Other or not recorded	231	98.7	28.6

1.3 Ethnicity (females)

Recorded Ethnicity of Diabetes	No. of Patients	% of Diabetes Patients	Average BMI
African or Afro Caribbean	0	0	
Asian sub continent	0	0	
Caucasian	0	0	
Other or not recorded	194	100	29.4

1.4 Age Profiles – of Diabetes Patient population



Age Range	Males	Females
0 - 16	3	7
17 - 24	3	1
25 - 39	13	7
40 - 49	12	17
50 - 59	46	24
60 - 69	73	46
70+	84	92

Section 2 – Data Quality

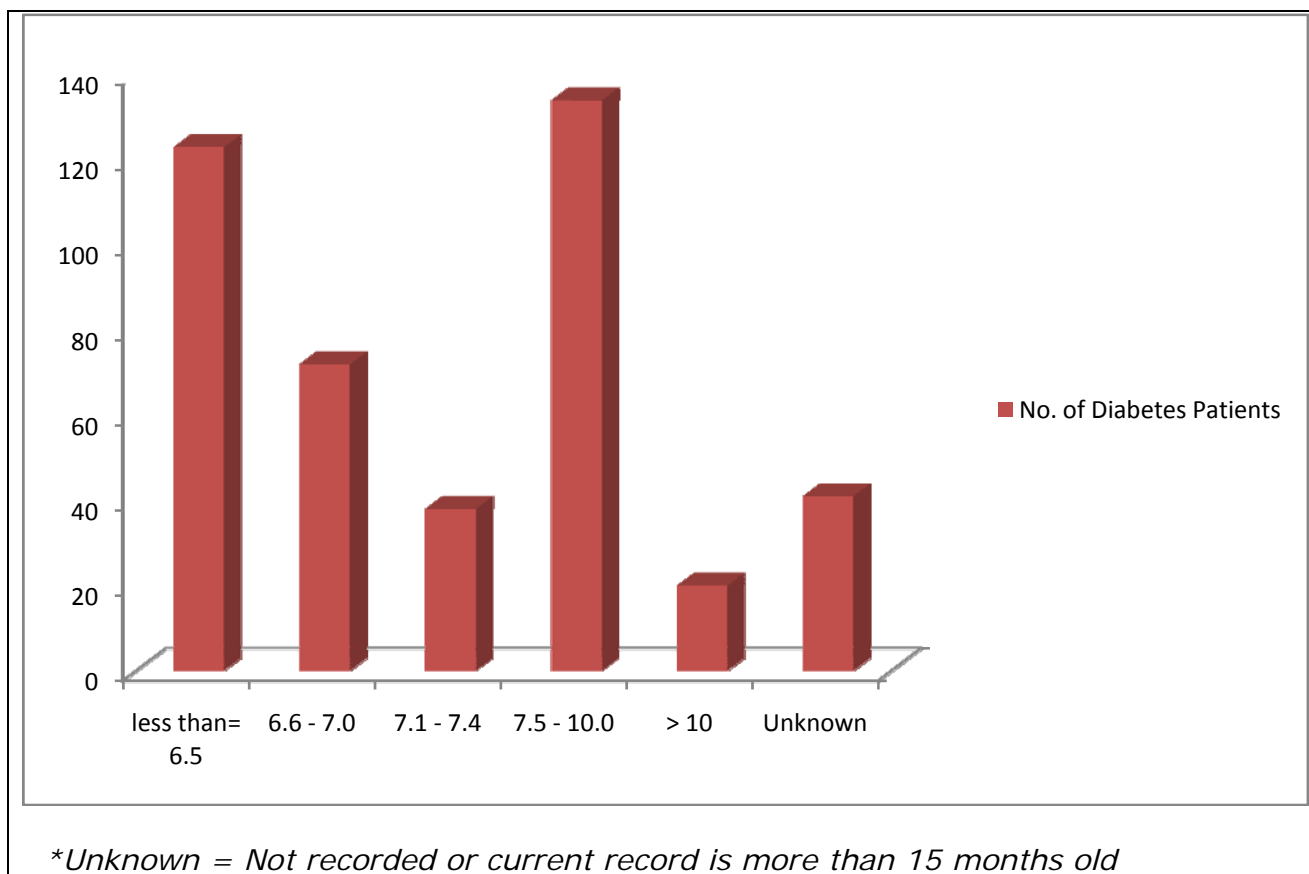
2.1 Data Quality

Metric	No. of Patients	% of Diabetes Patients
Patients with Diabetes recorded but no HbA1C (in L15M), no record of Insulin or OAD, no Diet and Exercise Read code	8	1.9
Patients with Diabetes recorded and with record of Insulin or OAD or Diet and Exercise Read code but no HbA1C (in L15M)	33	7.7
Total without HbA1C record (in L15M)	41	9.6
Patients with Diabetes recorded and with record of Insulin or OAD or Diet and Exercise Read code but not recorded as Type 2	62	14.5
Patients with Diabetes recorded but no record of smoking status (in L15M)*	11	2.6
Patients with Diabetes recorded but no record of Blood Pressure (in L15M)	17	4
Patients with Diabetes recorded but no record of Cholesterol (in L15M)	41	9.6
Patients with Diabetes recorded but no record of BMI recorded (in L15M)	39	9.1

* Except where smoking status is "Never Smoked" in which case there is no time limit on the record.

Section 3 – Profiles

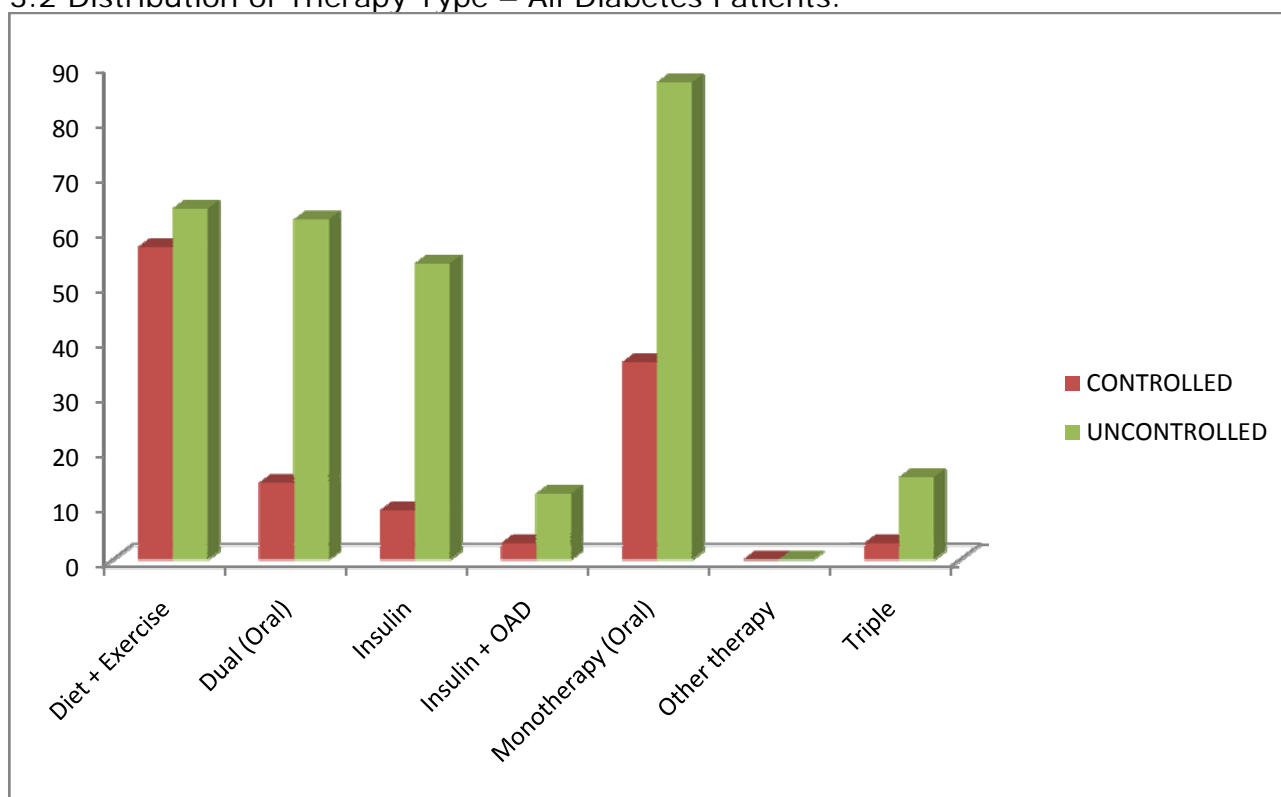
3.1 Distribution of Most Recent HbA_{1c} – All Diabetes Patients



Most Recent HbA _{1c}	No. of Diabetes Patients	% of Diabetes Patients
less than= 6.5	123	28.7
6.6 - 7.0	72	16.8
7.1 - 7.4	38	8.9
7.5 - 10.0	134	31.3
> 10	20	4.7
Unknown	41	9.6
Total Diabetes Patients	428	

* Unknown = Not recorded or current record is more than 15 months old

3.2 Distribution of Therapy Type – All Diabetes Patients.

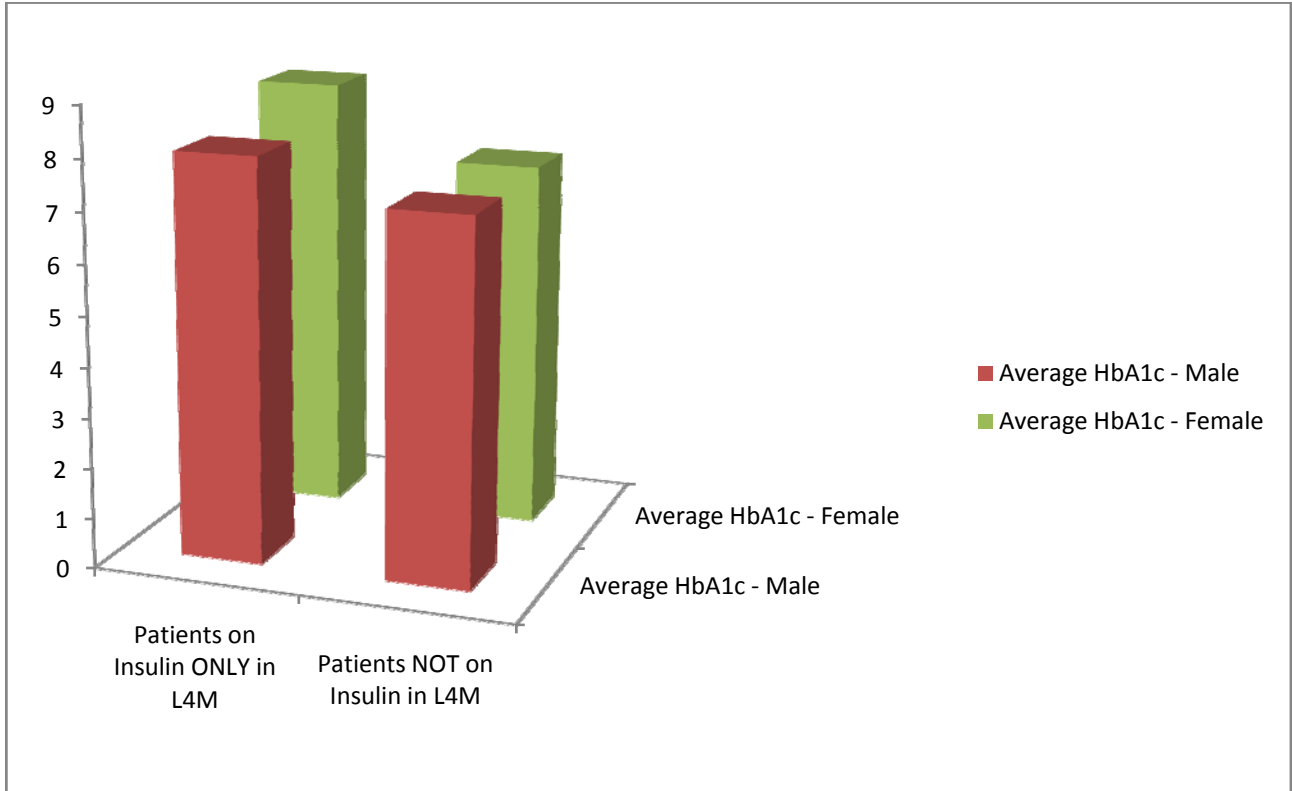


No. of Patients	Diet and Exercise	Dual (Oral)	Insulin	Insulin + OAD	Mono (Oral)	Other therapy	Triple	Total
Controlled	57	14	9	3	36	0	3	122
Uncontrolled	64	62	54	12	87	0	15	294
Total	121	76	63	15	123	0	18	416

*Controlled = $HbA_{1C} \leq 6.5$

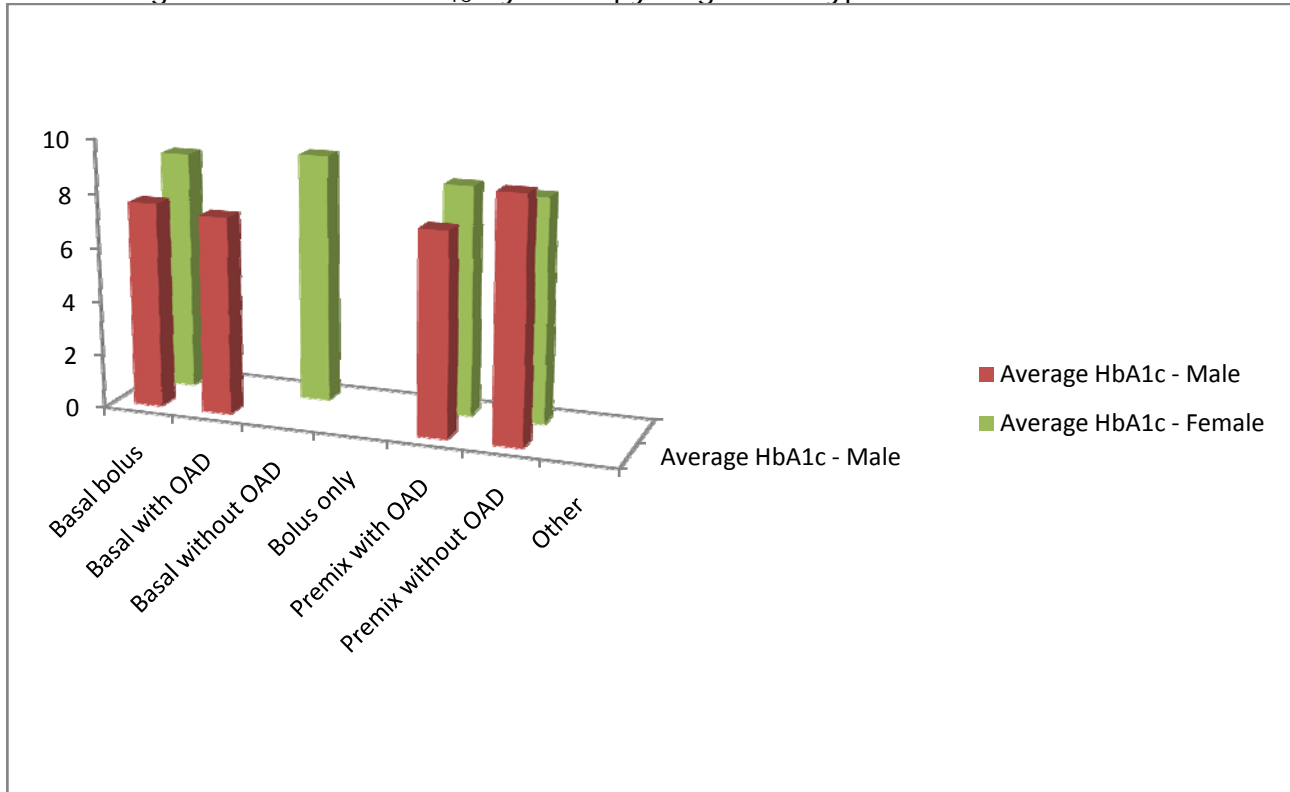
For definition of therapy included in each category please see page 21

3.3 Average Most Recent HbA_{1c} by Gender & Therapy



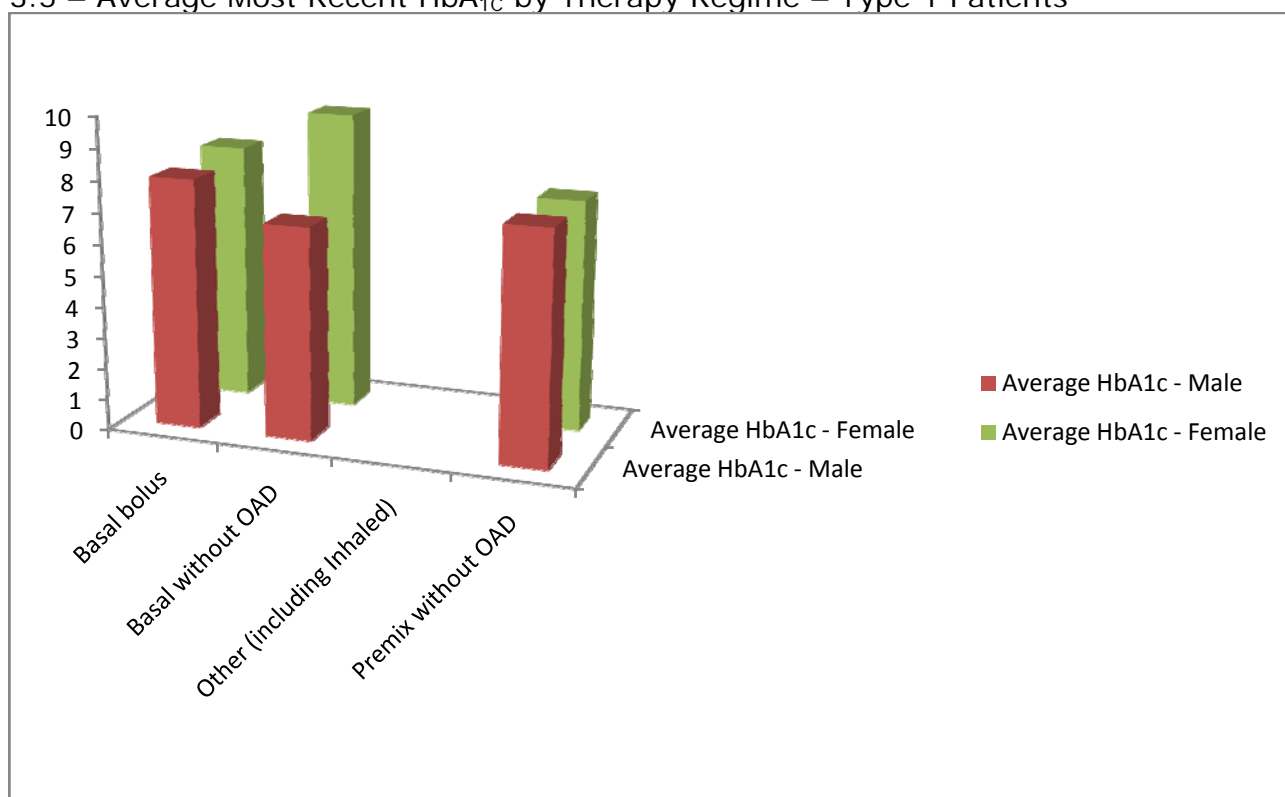
Insulin Group	Average HbA1c - Male	Average HbA1c - Female
Patients on Insulin ONLY in L4M	8	8.7
Patients NOT on Insulin in L4M	7.2	7.3

3.4 Average Most Recent HbA_{1c} by Therapy Regime – Type 2 Patients



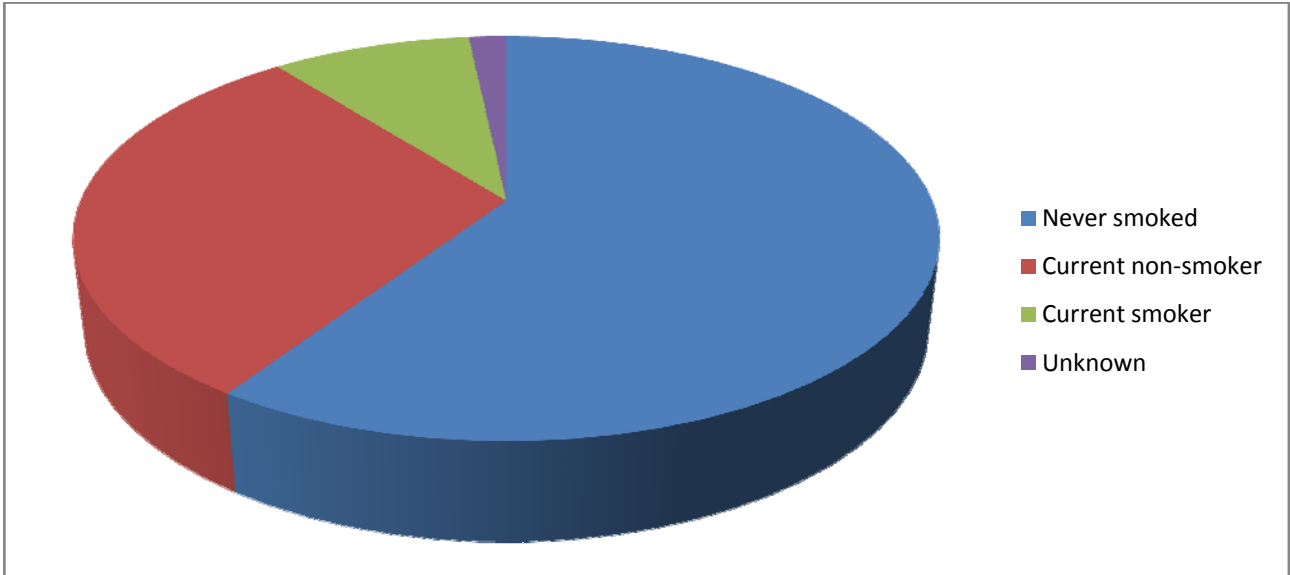
Regime	Average HbA _{1c} - Male	Average HbA _{1c} - Female
Basal bolus	7.6	8.9
Basal with OAD	7.3	
Basal without OAD		9.2
Bolus only		
Premix with OAD	7.5	8.5
Premix without OAD	9	8.3
Other		

3.5 – Average Most Recent HbA_{1c} by Therapy Regime – Type 1 Patients



Regime	Average HbA _{1c} - Male	Average HbA _{1c} - Female
Basal bolus	8	8.3
Basal without OAD	6.8	9.6
Other (including Inhaled)		
Premix without OAD	7.4	7.4

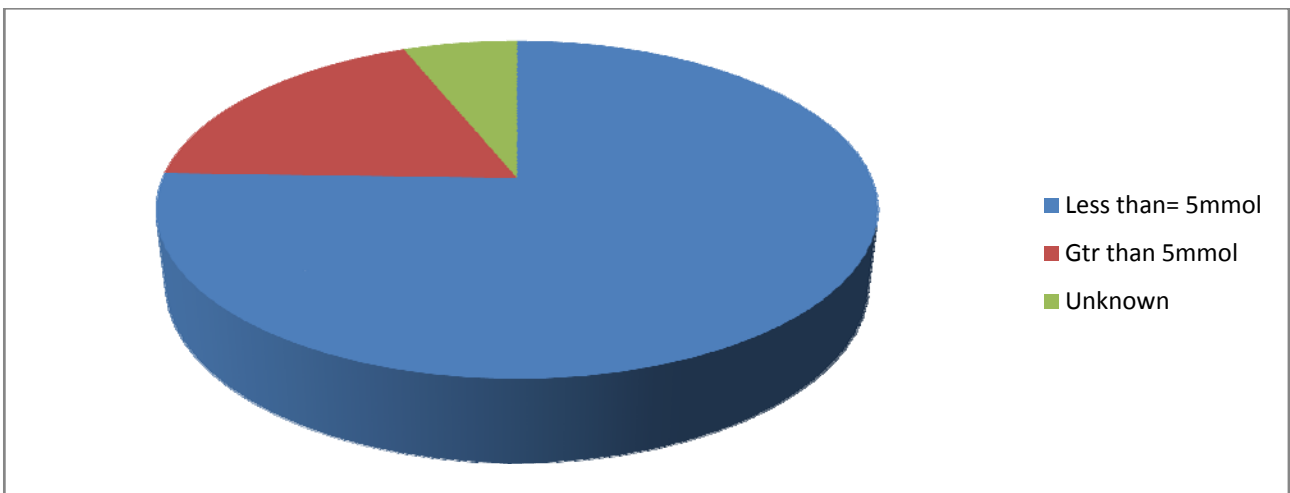
3.6 – Most Recent Smoking Status – Type 2 Patients



Smoking status	Never smoked	Current non-smoker	Current smoker	Unknown	Total Type 2 Diabetes Patients
No. of patients	213	108	32	6	359

**Unknown = Not recorded or current record is more than 15 months old*

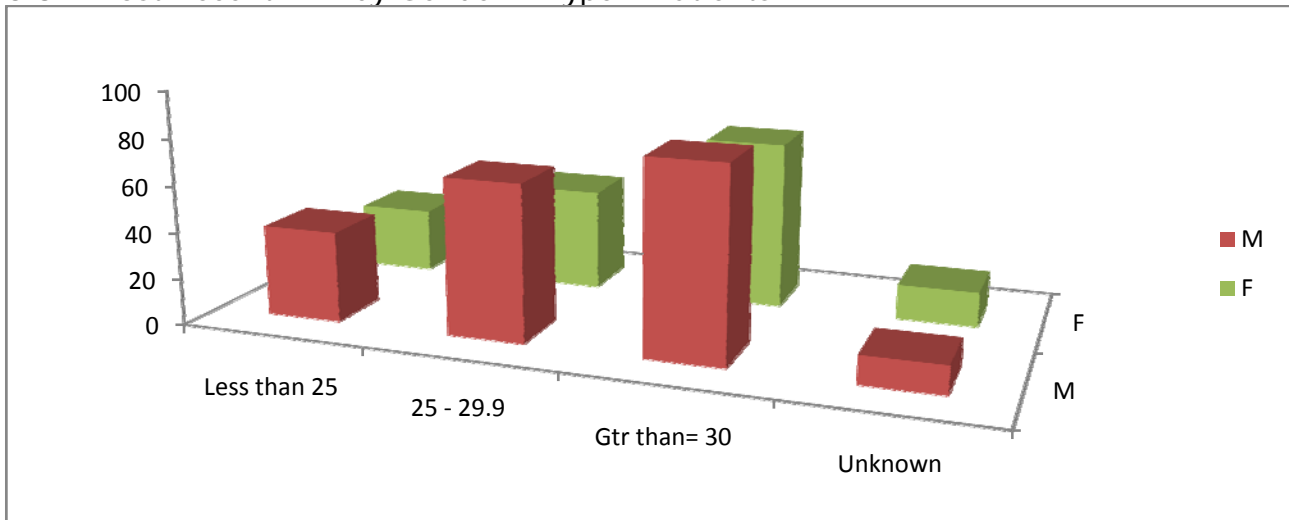
3.7 – Most Recent Cholesterol Record – Type 2 Patients



Cholesterol	less than= 5mmol	gtr than 5mmol	Unknown	Total Type 2 Diabetes Patients
No. of patients	271	66	22	359

**Unknown = Not recorded or current record is more than 15 months old*

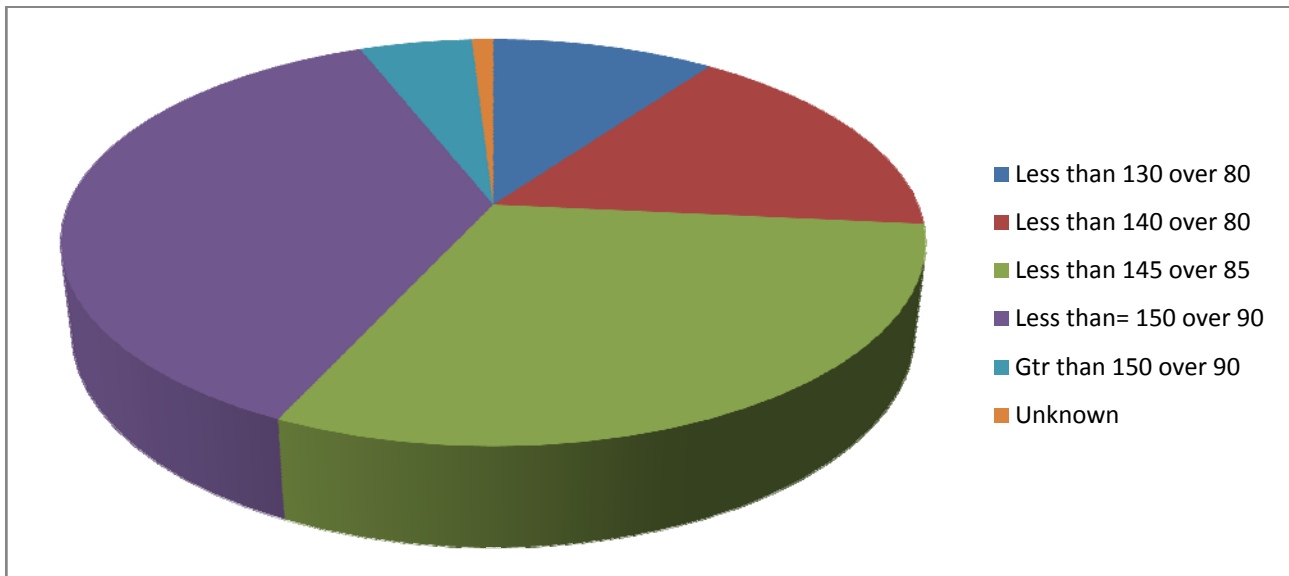
3.8 – Most Recent BMI by Gender – Type 2 Patients



Body Mass Index	less than 25	25 - 29.9	gtr than=30	Unknown	Total Type 2 Diabetes Patients
No. of female patients	28	44	72	15	159
No. of male patients	39	67	82	12	200

**Unknown = Not recorded or current record is more than 15 months old*

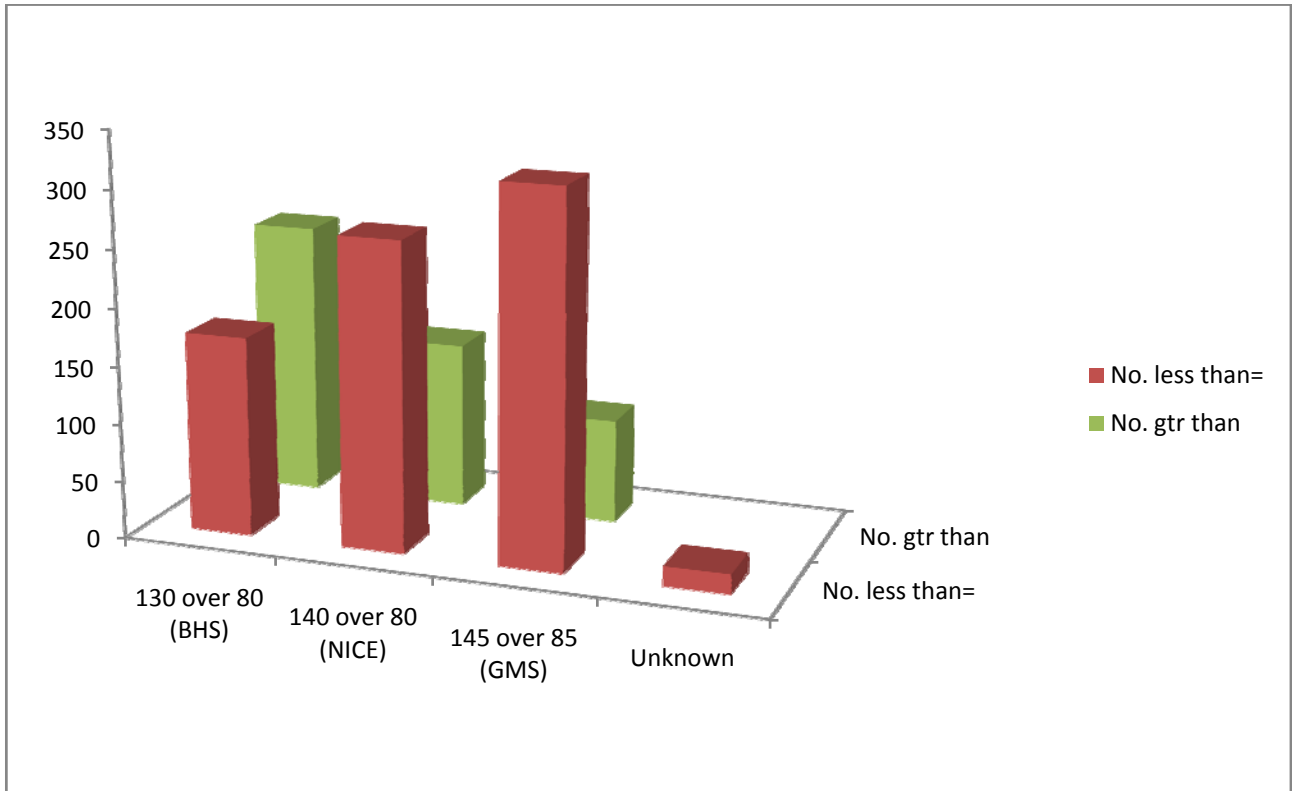
3.9 – Most Recent Blood Pressure – Type 2 Patients



Blood pressure	less than 130 over 80	less than 140 over 80	less than 145 over 85	less than= 150 over 90	gtr than 150 over 90	Unknown	Total Type 2 Diabetes Patients
No. of patients	83	138	253	309	42	8	359

**Unknown = Not recorded or current record is more than 15 months old*

3.10 Most Recent Blood Pressure to Targets – All Diabetes Patients

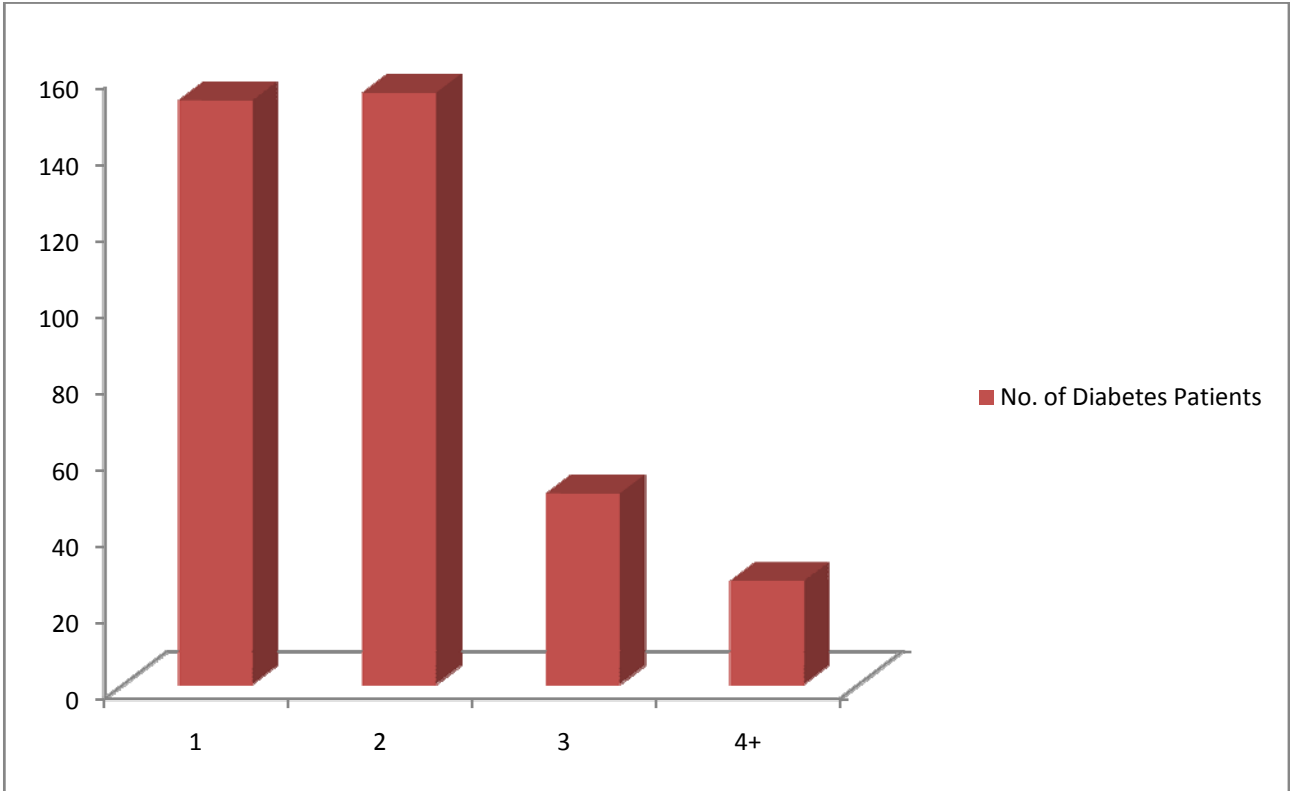


BP Target	No. less than=	No. gtr than	Total	% less than=
130 over 80 (BHS)	173	238	411	42.1
140 over 80 (NICE)	267	144	411	65
145 over 85 (GMS)	321	90	411	78.1
Unknown	17		17	

**Unknown = Not recorded or current record is more than 15 months old*

Please note: both systolic and diastolic are compared to the target, if either is over the patient will be placed in the > column.

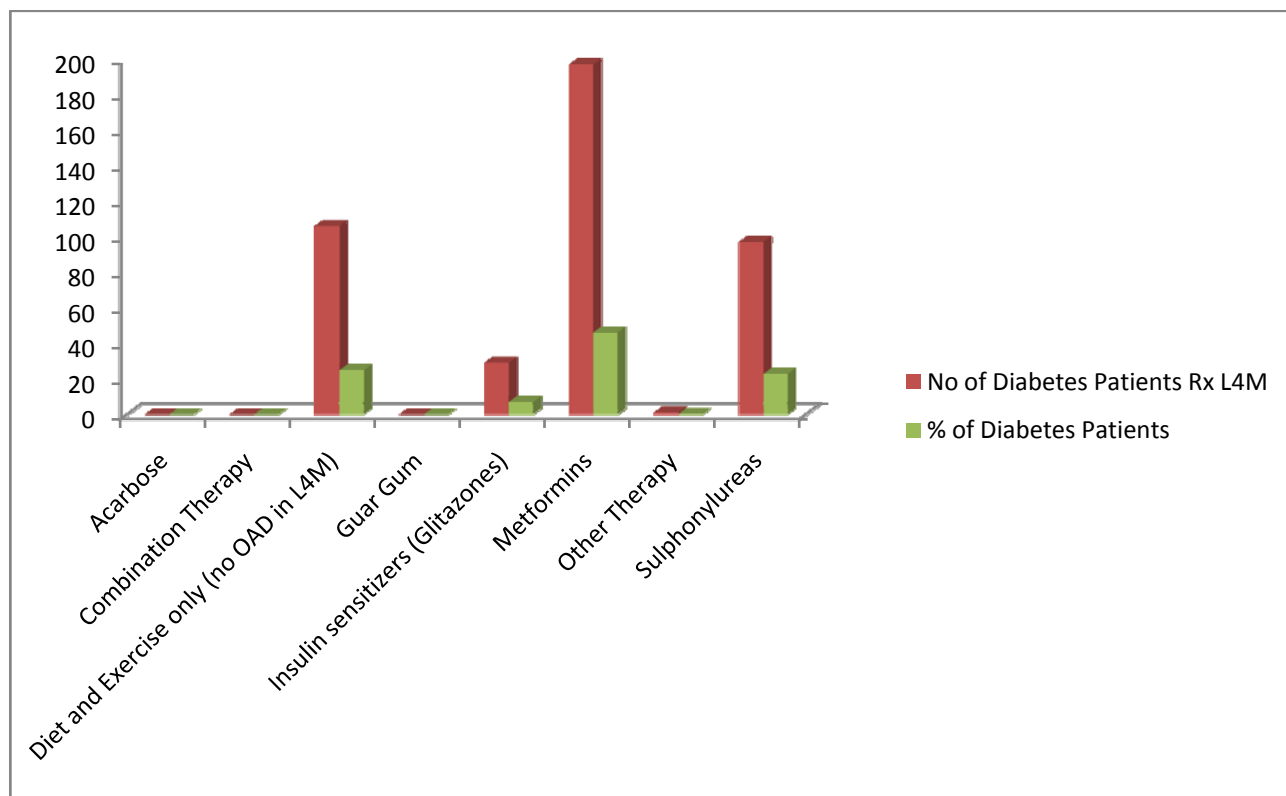
3.11 – CV Risk Factors



No. of Risk Factors Recorded	No. of Diabetes Patients	% of Diabetes Patients
1	153	35.7
2	155	36.2
3	50	11.7
4+	27	6.3

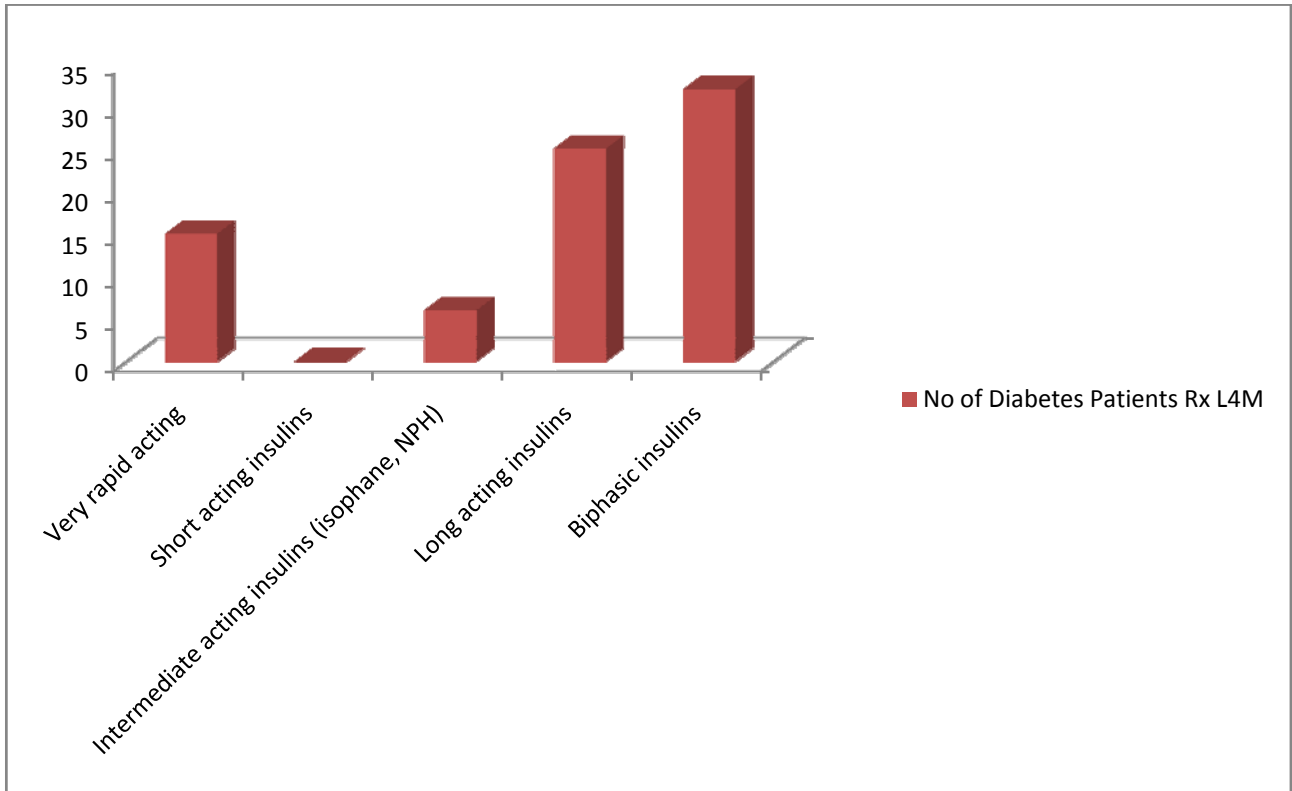
Section 4 Treatment Analyses

4.1 – OAD use by type



OAD Type	No of Diabetes Patients Rx L4M	% of Diabetes Patients
Acarbose	0	0
Combination Therapy	0	0
Diet and Exercise only (no OAD in L4M)	106	24.8
Guar Gum	0	0
Insulin sensitizers (Glitazones)	29	6.8
Metformins	197	46
Other Therapy	1	0.2
Sulphonylureas	97	22.7

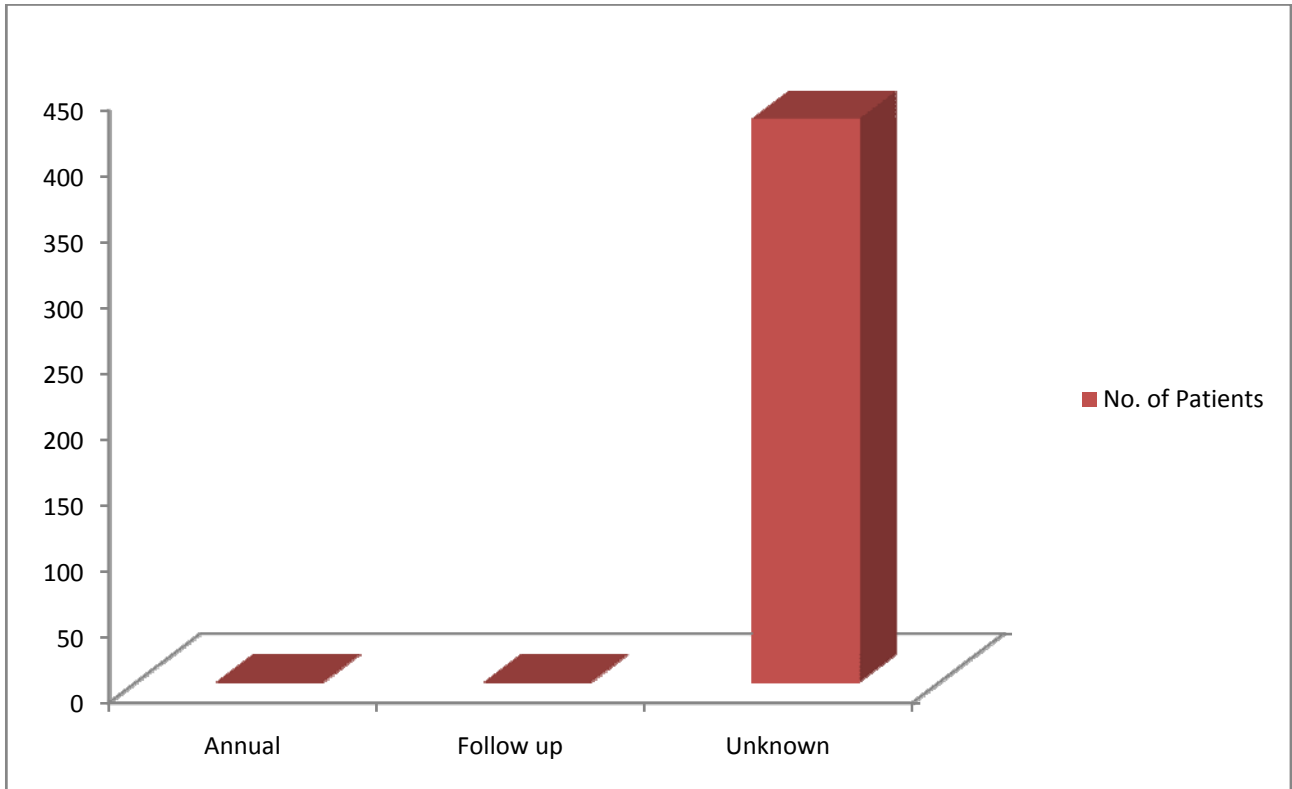
4.2 – Insulin use by class.



Insulin Class	No of Diabetes Patients Rx L4M	% of Diabetes Patients
Very rapid acting	15	3.5
Short acting insulins	0	0
Intermediate acting insulins (isophane, NPH)	6	1.4
Long acting insulins	25	5.8
Biphasic insulins	32	7.5

Section 5 – Resource Usage

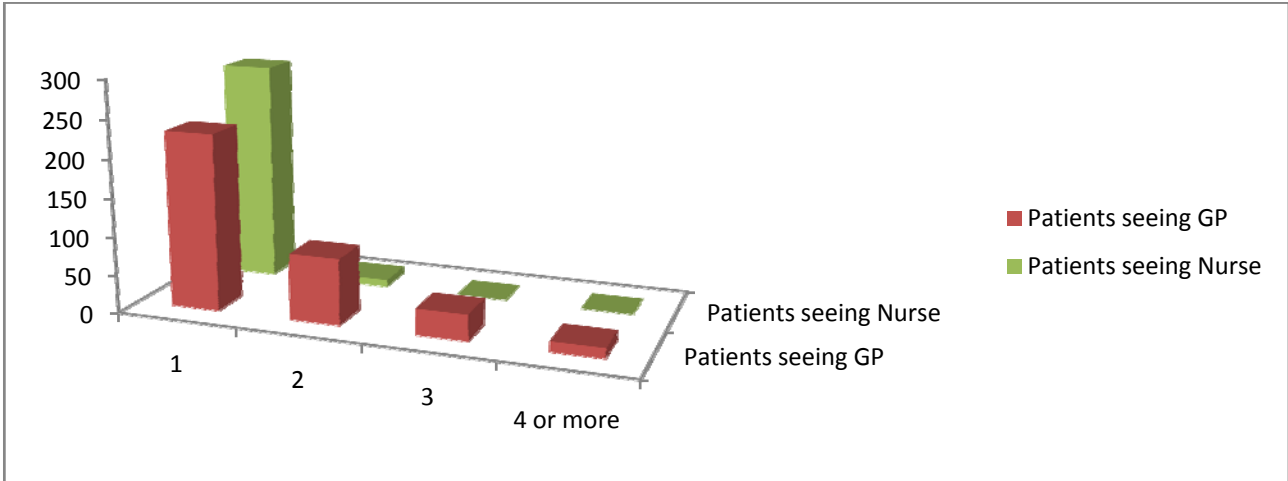
5.1 – Most Recent Record of Annual Review or Follow up in L12M – All Diabetes Patients.



Review	No. of Patients	%
Annual	0	0
Follow up	0	0
Unknown	428	100
Total	428	

**Unknown = Not recorded or current record is more than 12 months old*

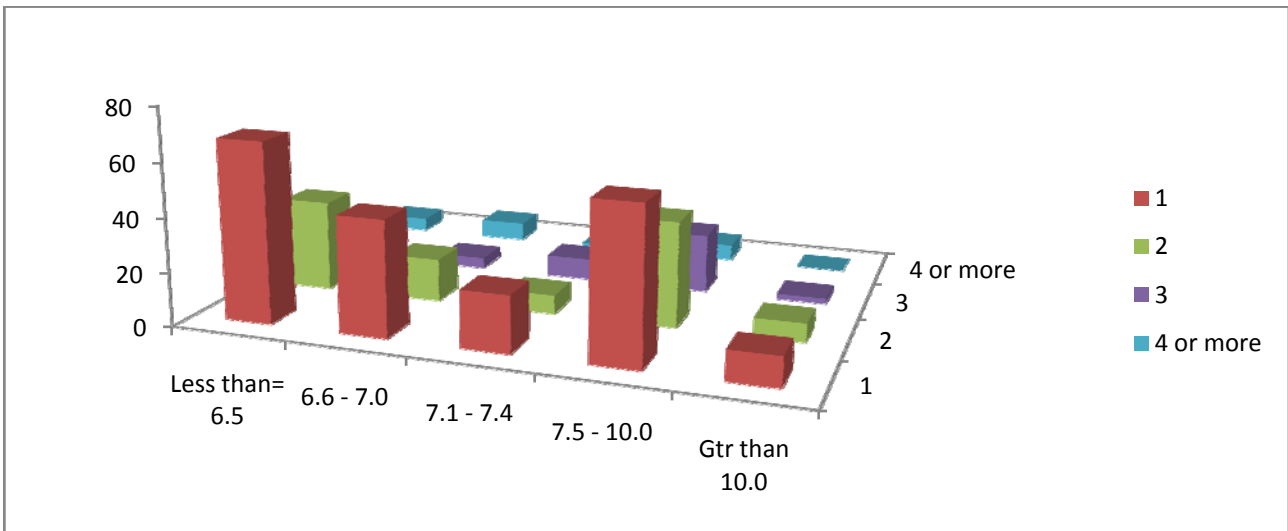
5.2 – Diabetes visits in L12M



No. of Visits in L12M	Patients seeing GP	Patients seeing Nurse	Total patients
1	230	288	518
2	86	9	95
3	34	0	34
4 or more	13	0	13

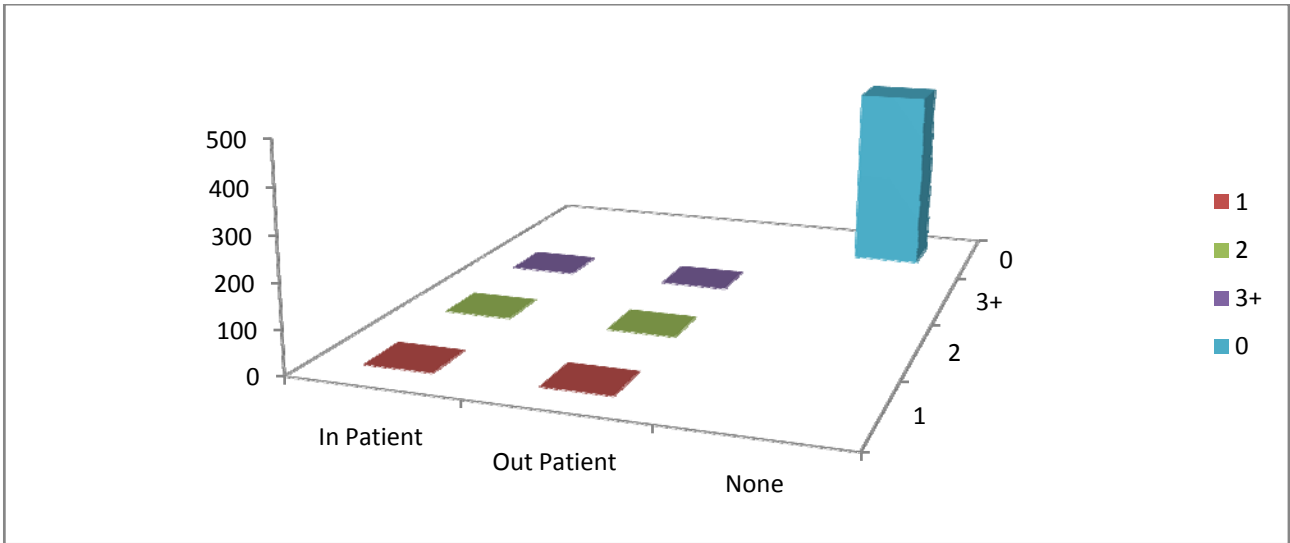
For definition of a Diabetes Visit please see page 21

5.3 – Diabetes Patient visits by last recorded HbA_{1c}



No. of Visits in L12M	less than= 6.5	6.6 - 7.0	7.1 - 7.4	7.5 - 10.0	gtr than 10.0	Total patients
1	67	43	21	57	11	199
2	34	16	7	39	7	103
3	12	4	8	22	2	48
4 or more	5	7	1	6	0	19

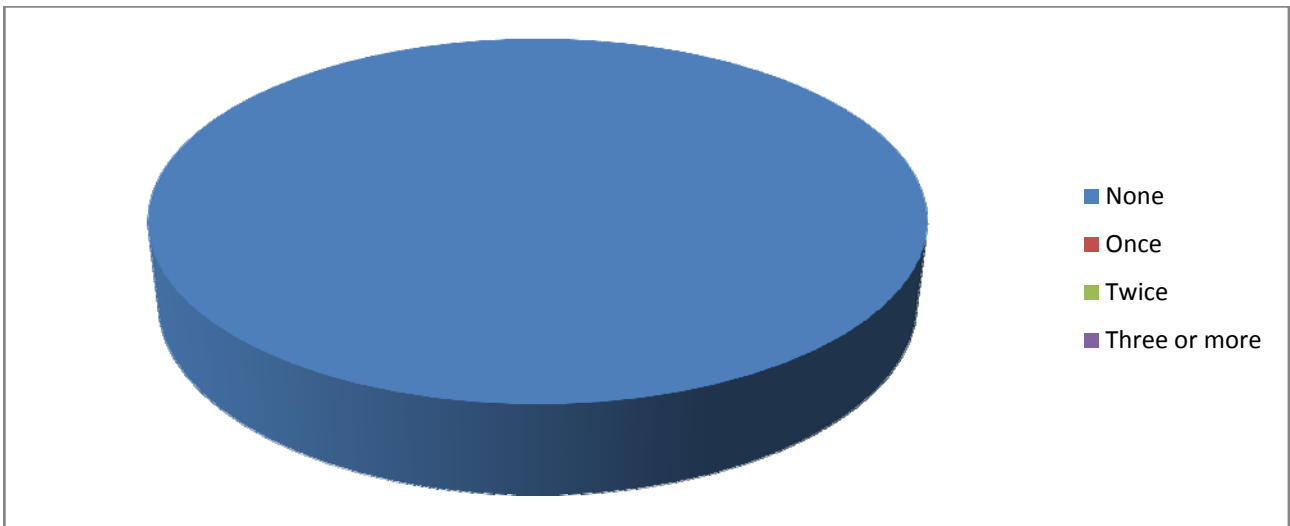
5.4 – Referrals to specialist care in L12M



No. of patients referred	In Patient	Out Patient	Total
No referrals			428
Once	0	0	0
Twice	0	0	0
Three or more	0	0	0

For details of Read Codes used to define referrals to specialist care see page 22

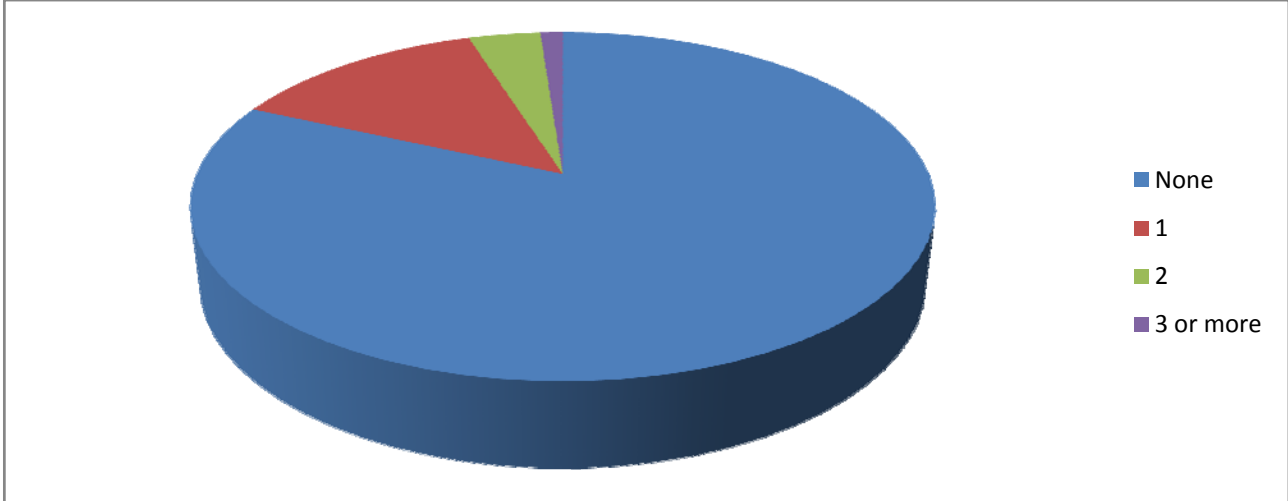
5.5 – Emergency Admissions (Read Code 8H2J.) in L12M – All Diabetes Patients



Recorded Emergency Admission	No. Patients
None	428
Once	0
Twice	0
Three or more	0

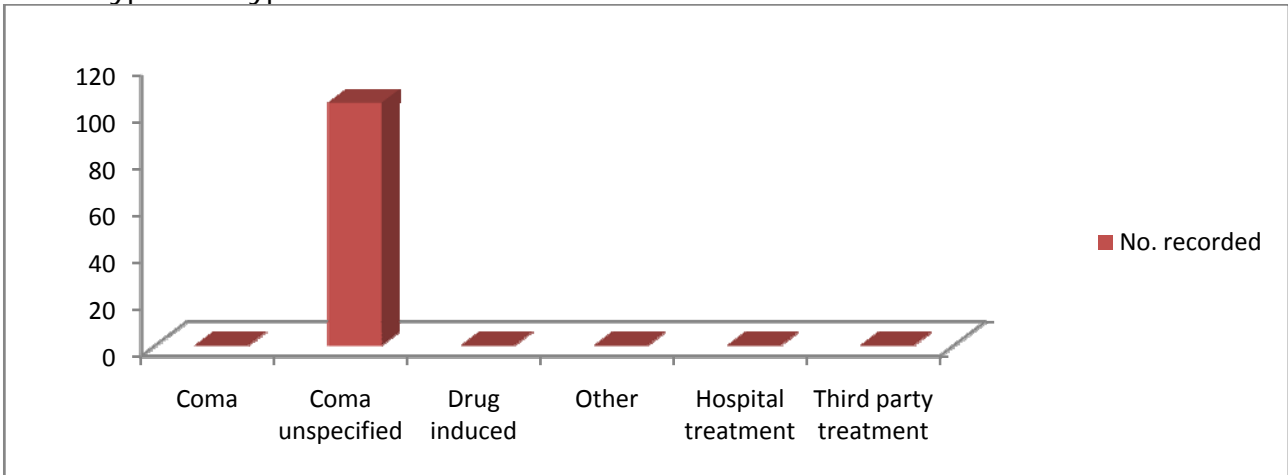
Section 6 – Hypoglycemic Attacks

6.1 – Numbers of Patients with Hypos recorded in L3Y



No of Hypos Recorded	No of patients
None	350
1	57
2	16
3 or more	5

6.2 – Types of Hypos Recorded in L3Y – All Diabetes Patients



Hypo Type	No. recorded
Coma	0
Coma unspecified	104
Drug induced	0
Other	0
Hospital treatment	0
Third party treatment	0

For definition of Read Codes used to define “Hypos” please see page 23

Section 7 – Definitions and Read Code Glossary

7.1 – Therapy definitions

Therapy	Definition
Diet & Exercise	Patients who have no current OAD or Insulin (in L4M) but do have a Diet & Exercise Read code ever OR patients who have no current OAD or Insulin (L4M), no Diet & Exercise Read code ever but whose latest Diabetes diagnosis was Type 2
Monotherapy	Record of only 1 OAD type in L4M
Dual Therapy	Record of 2 types of OAD in L4M (nb: Combination Therapy only is considered to be "Dual Therapy")
Triple Therapy	Record of 3 or more OAD types in L4M
Other Therapy	Record of any Other Diabetic treatment in L4M
Insulin	Record of Insulin ONLY in L4M
Insulin + OAD	Record of Insulin + one or more OAD in L4M

7.2 – Therapy categorisation

Therapy	Class includes
Monotherapy OAD	Metformins; Sulphonylureas; Glitazones; Guar Gum & Acarbose
Combination OAD	2 OADs in one tablet (i.e. Metformin + Glitazone)
Other Therapy	Exenatide; Nateglinide; Repaglinide & Sitagliptin

7.3 – Diabetes Visit definition

Record	Action
One or more of these actions recorded on the same date	A record of C10E% or C10F%; an HbA _{1c} record; a Diabetes Annual review or Diabetes follow up record; a referral to secondary care; a hypo or major hypo; an 8CA41 or 66A3. Read code record (Diabetic specific diet & exercise)

7.4 – Read Codes used to define referrals to Secondary Care

Read code	Referral Definition	Patient Status
66AU.	Diabetes care by hospital only	In Patient
8H2J.	Admit diabetic emergency	In Patient
8H3O.	Non-urgent diabetic admission	In Patient
8H4F.	Referral to diabetologist	In Patient
8Hj0.	Referral to diabetes structured education programme	In Patient
8HTe.	Referral to diabetes preconception counselling clinic	In Patient
ZV6DB	[V]Admitted for conversion to insulin	In Patient
14F4.	H/O: Admission in last year for diabetes foot problem	In Patient
8A12.	Diabetic crisis monitoring	Out Patient
8H7C.	Refer, diabetic liaison nurse	Out Patient
8H7f.	Referral to diabetes nurse	Out Patient
8H7r.	Refer to diabetic foot screener	Out Patient
8Hg4.	Discharged from care of diabetes specialist nurse	Out Patient
8HKE.	Diabetology D.V. requested	Out Patient
8HI1.	Referral for diabetic retinopathy screening	Out Patient
8HI4.	Referral to community diabetes specialist nurse	Out Patient
8HLE.	Diabetology D.V. done	Out Patient
8HME.	Listed for Diabetology admissn	Out Patient
8HTi.	Referral to multidisciplinary diabetic clinic	Out Patient
8HTk.	Referral to diabetic eye clinic	Out Patient
8HVU.	Private referral to diabetologist	Out Patient
9N0m.	Seen in diabetic nurse consultant clinic	Out Patient
9N0n.	Seen in community diabetes specialist clinic	Out Patient
9N0o.	Seen in community diabetic specialist nurse clinic	Out Patient
9N1i.	Seen in diabetic foot clinic	Out Patient
9N1o.	Seen in multidisciplinary diabetic clinic	Out Patient
9N1Q.	Seen in diabetic clinic	Out Patient
9N1v.	Seen in diabetic eye clinic	Out Patient
9N2d.	Seen by diabetologist	Out Patient
9N2i.	Seen by diabetic liaison nurse	Out Patient
9NM0.	Attending diabetes clinic	Out Patient
9NN8.	Under care of diabetologist	Out Patient
9NN9.	Under care of diabetes specialist nurse	Out Patient
9NND.	Under care of diabetic foot screener	Out Patient
ZV6DA	[V]Admitted for commencement of insulin	Out Patient

7.5 – Read Codes used to define Hypoglycaemia

Read code	Hypoglycaemia Definition	Patient Status
C108E	Type 1 diabetes mellitus with hypoglycaemic coma	Coma
C108E	Type 1 diabetes mellitus with hypoglycaemic coma	Coma
C109D	Non-insulin dependent diabetes mellitus with hypoglyca coma	Coma
C109D	Type II diabetes mellitus with hypoglycaemic coma	Coma
C109D	Type 2 diabetes mellitus with hypoglycaemic coma	Coma
C10EE	Type 1 diabetes mellitus with hypoglycaemic coma	Coma
C10EE	Type I diabetes mellitus with hypoglycaemic coma	Coma
C10EE	Insulin dependent diabetes mellitus with hypoglycaemic coma	Coma
C10FD	Type 2 diabetes mellitus with hypoglycaemic coma	Coma
C10FD	Type II diabetes mellitus with hypoglycaemic coma	Coma
C110.	Hypoglycaemic coma	Coma
C110z	Hypoglycaemic coma NOS	Coma
C112.	Hypoglycaemia unspecified	Coma Unspecified
66A71	Frequency of GP or paramedic treated hypoglycaemia	Hospital
66A70	Frequency of hospital treated hypoglycaemia	Hospital
66Ad.	Hypoglycaemic attack requiring 3rd party assistance	Other
C1120	Reactive hypoglycaemia NOS	Other
C1121	Spontaneous hypoglycaemia NOS	Other
C112z	Hypoglycaemia unspecified NOS	Other
C11y1	Drug-induced hypoglycaemia without coma	Drug induced
Cyu30	[X]Other hypoglycaemia	Other
66Ad.	Hypoglycaemic attack requiring 3rd party assistance	Other
66AJ2	Loss of hypoglycaemic warning	Third Party
C108E	Insulin dependent diabetes mellitus with hypoglycaemic coma	Third Party