

B.I.R.O. Project

Local Report

April 1, 2009

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Chapter 1

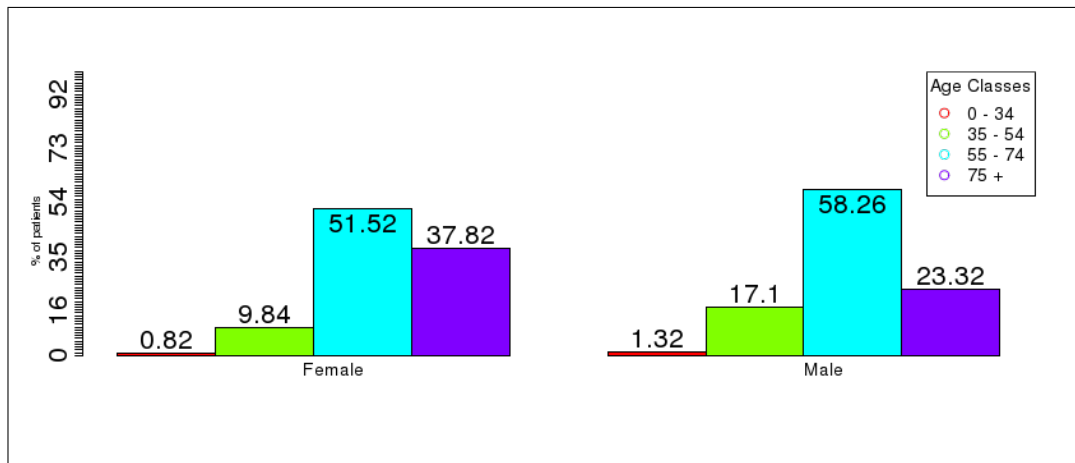
Demographic characteristics

1.1. Age (Classes)

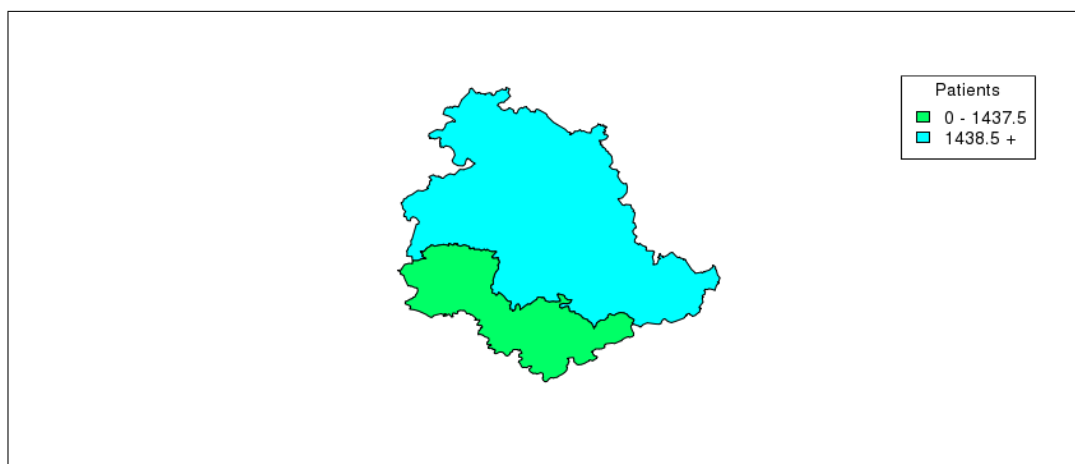
Reference Date: 31/12/2002

Age Classes	Female (%)	Male (%)	PT	
0 - 34	20 (34.48)	38 (65.52)	58	58
35 - 54	240 (32.79)	492 (67.21)	732	732
55 - 74	1256 (42.84)	1676 (57.16)	2932	2932
75 +	922 (57.88)	671 (42.12)	1593	1593
	2438	2877		5315

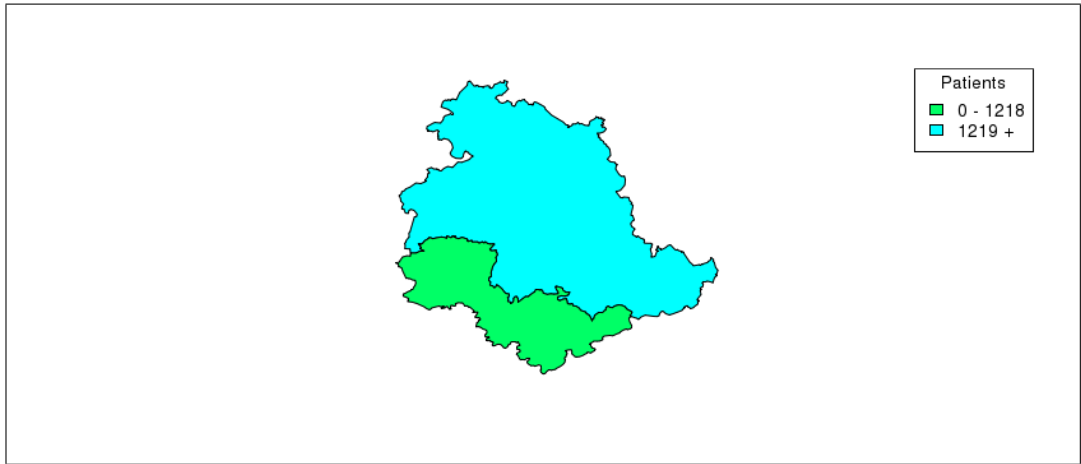
Age Classes (by Gender)



Barplot: Age Classes (by Gender)



Map:Patients2



Map:Patients1

Chapter 2

Clinical characteristics

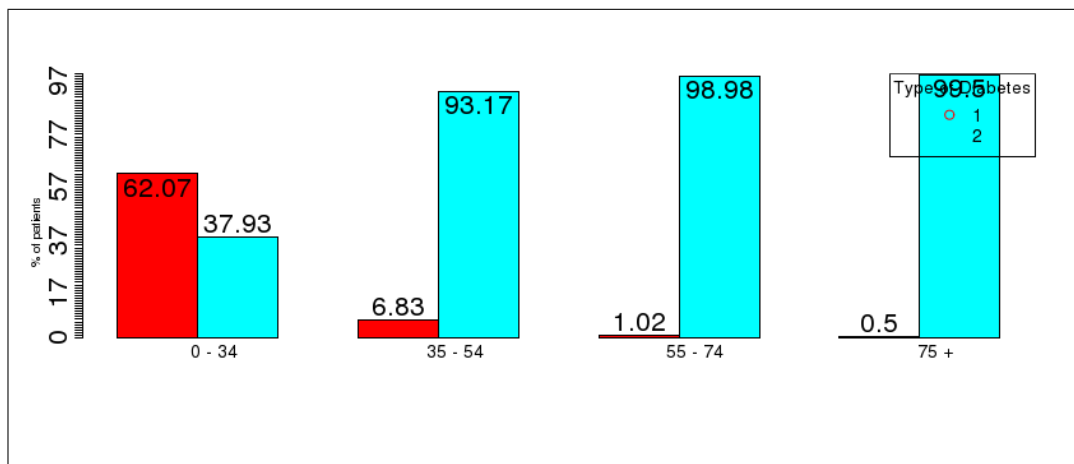
2.1 Diabetes Status

2.1.1. Type of diabetes

Reference Date: 31/12/2002

Type of Diabetes	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Type 1	36 (29.03)	50 (40.32)	30 (24.19)	8 (6.45)	124	124
Type 2	22 (0.42)	682 (13.14)	2902 (55.9)	1585 (30.53)	5191	5191
	58	732	2932	1593		5315

Type of Diabetes (by Age Classes)



Barplot: Type of Diabetes (by Age Classes)

2.1.2. Duration of diabetes (Classes)

Reference Date: 31/12/2002

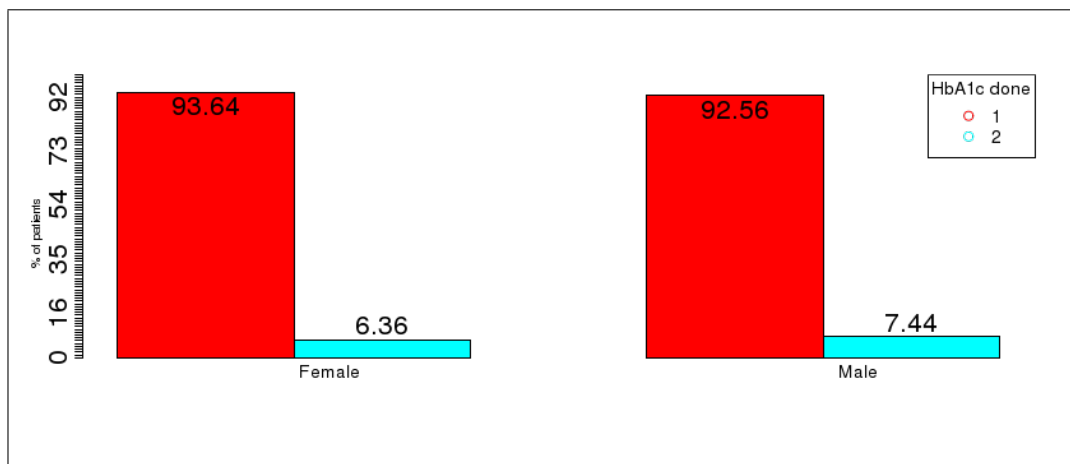
HbA1c done	Type 1								
	0 - 9			10 - 19			20 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
Yes	27 (44.26)	34 (55.74)	61	9 (37.5)	15 (62.5)	24	13 (43.33)	17 (56.67)	30
No	1 (33.33)	2 (66.67)	3	1 (25)	3 (75)	4	1 (50)	1 (50)	2
	28	36		10	18		14	18	
									124

chitab	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

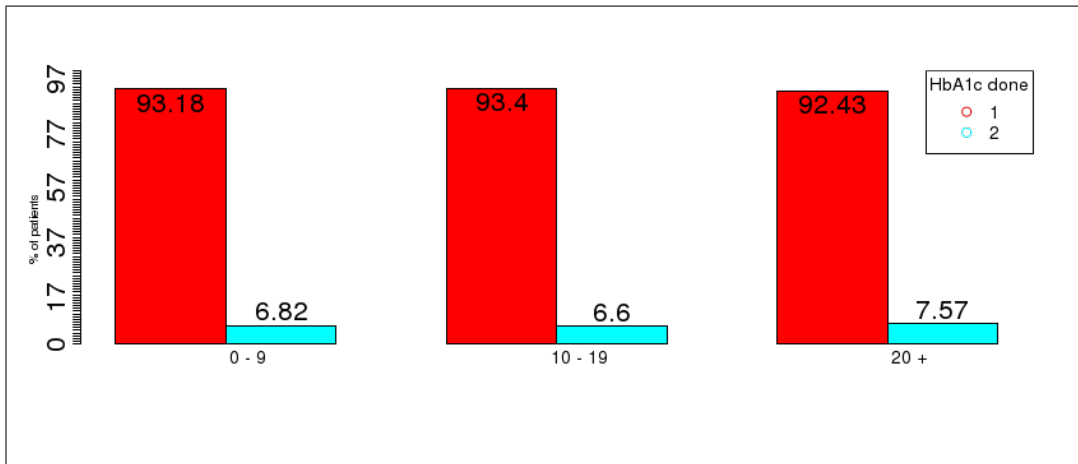
HbA1c done	Type 2								
	0 - 9			10 - 19			20 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
Yes	1379 (44)	1755 (56)	3134	399 (45.24)	483 (54.76)	882	398 (55.66)	317 (44.34)	715
No	87 (37.66)	144 (62.34)	231	29 (48.33)	31 (51.67)	60	32 (54.24)	27 (45.76)	59
	1466	1899		428	514		430	344	
									5081

HbA1c done (by Type of Diabetes,Duration of Diabetes,Gender)

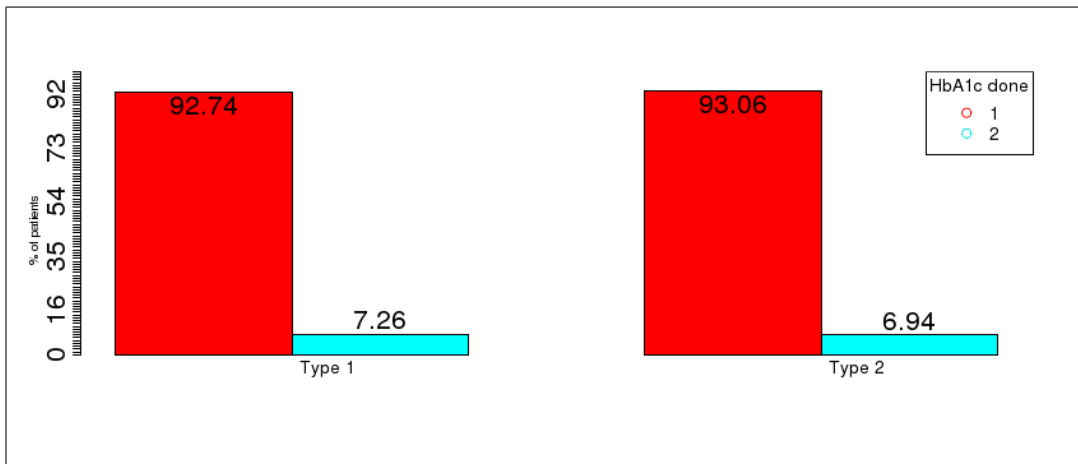
chitab	Chi-Squared	p.value	df
C-M-H Chi-Squared Test	1.84582430378703	0.1742698	1



Barplot: HbA1c done (by Type of Diabetes)



Barplot: HbA1c done (by Duration of Diabetes)



Barplot: HbA1c done (by Gender)

2.2 Risk Factors

2.2.1.1. Weight (last episode in 12 months)

Reference Date: 31/12/2002

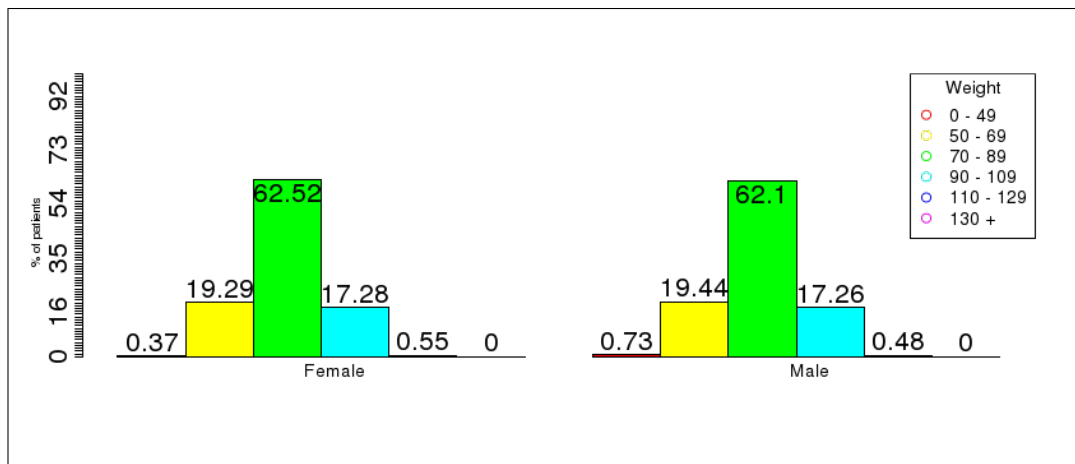
Weight	Type 1											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 49	0 (0)	0 (0)	0	1 (100)	0 (0)	1	0 (0)	0 (0)	0	0 (0)	0 (0)	0
50 - 69	1 (16.67)	5 (83.33)	6	2 (66.67)	1 (33.33)	3	3 (50)	3 (50)	6	0 (0)	1 (100)	1
70 - 89	1 (14.29)	6 (85.71)	7	11 (61.11)	7 (38.89)	18	2 (28.57)	5 (71.43)	7	0 (0)	1 (100)	1
90 - 109	0 (0)	1 (100)	1	2 (100)	0 (0)	2	1 (100)	0 (0)	1	0 (0)	0 (0)	0
110 - 129	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0
130 +	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0
	2	12		16	8		6	8		0	2	54

chitab C-M-H Chi-Squared Test
1 One or more cells have less than 2 obs

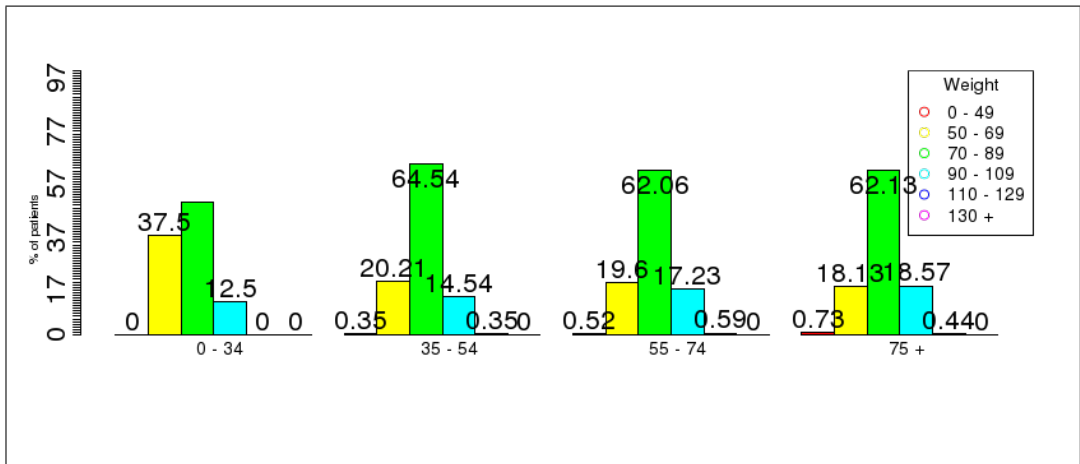
Weight	Type 2											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 49	0 (0)	0 (0)	0	0 (0)	0 (0)	0	2 (28.57)	5 (71.43)	7	1 (20)	4 (80)	5
50 - 69	0 (0)	0 (0)	0	17 (31.48)	37 (68.52)	54	128 (49.42)	131 (50.58)	259	60 (48.78)	63 (51.22)	123
70 - 89	0 (0)	1 (100)	1	57 (34.76)	107 (65.24)	164	373 (44.83)	459 (55.17)	832	240 (56.6)	184 (43.4)	424
90 - 109	0 (0)	1 (100)	1	12 (30.77)	27 (69.23)	39	106 (45.69)	126 (54.31)	232	68 (53.54)	59 (46.46)	127
110 - 129	0 (0)	0 (0)	0	0 (0)	1 (100)	1	5 (62.5)	3 (37.5)	8	1 (33.33)	2 (66.67)	3
130 +	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0
	0	2		86	172		614	724		370	312	2280

Weight (by Gender, Age Classes, Type of Diabetes)

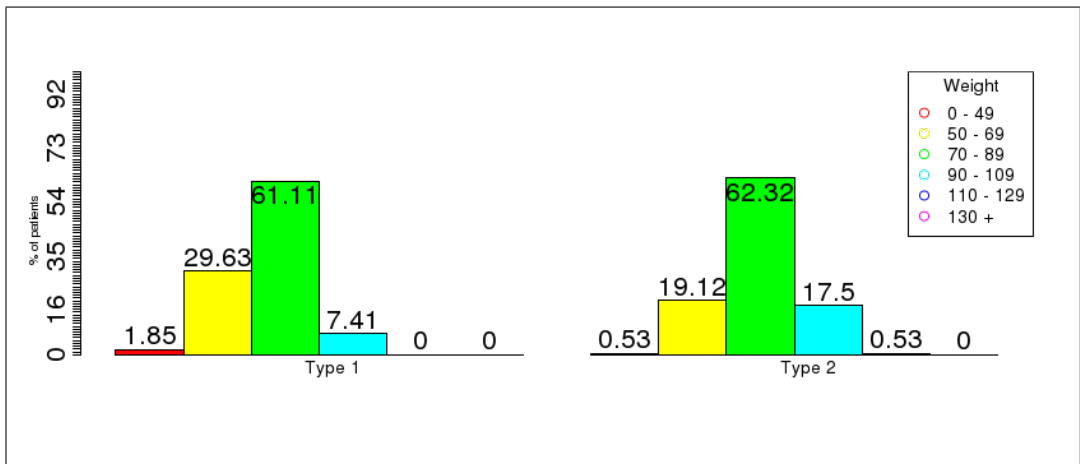
chitab C-M-H Chi-Squared Test
1 One or more cells have less than 2 obs



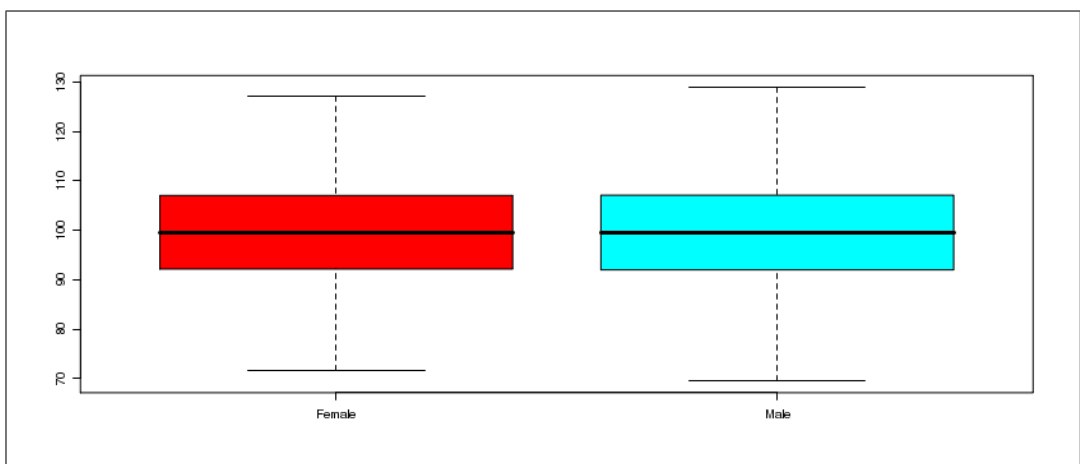
Barplot: Weight (by Gender)



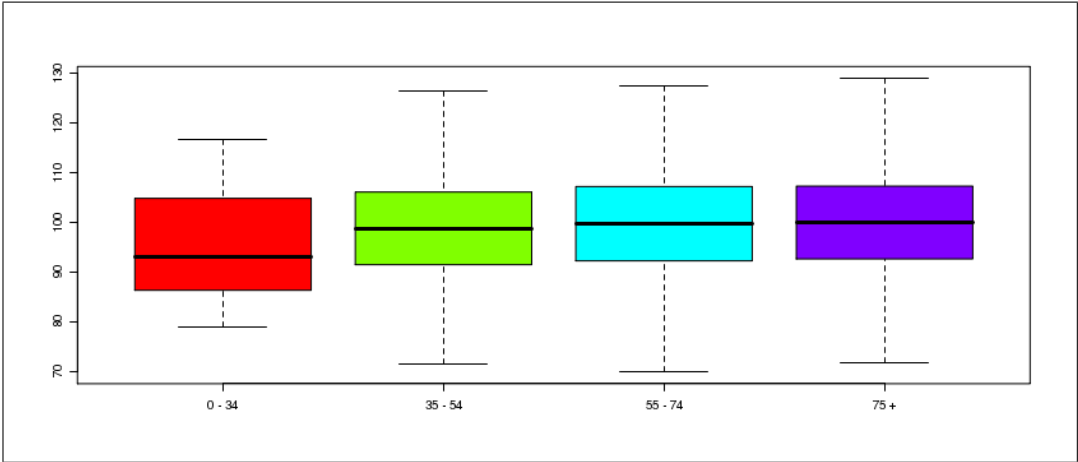
Barplot: Weight (by Age Classes)



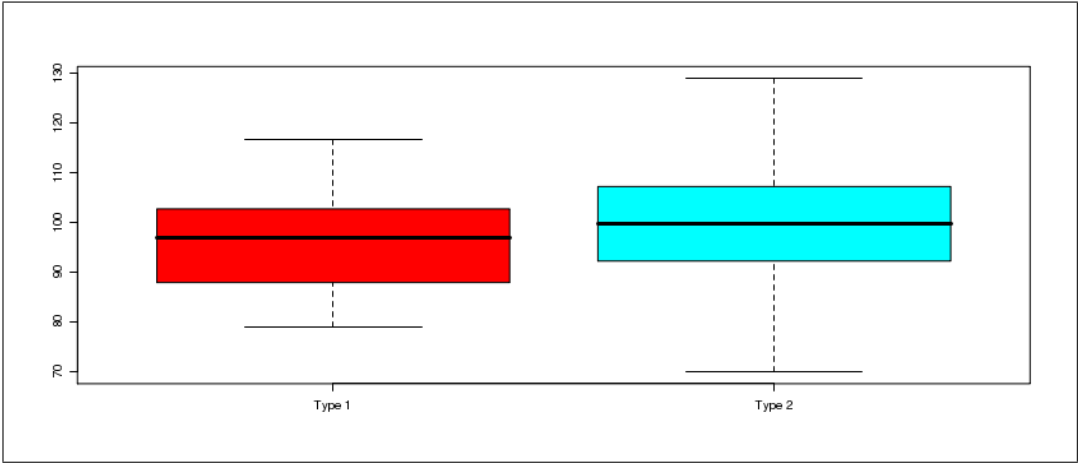
Barplot: Weight (by Type of Diabetes)



Boxplot: Weight (by Gender)



Boxplot: Weight (by Age Classes)



Boxplot: Weight (by Type of Diabetes)

2.2.1.2. BMI (last episode in 12 months)

Reference Date: 31/12/2002

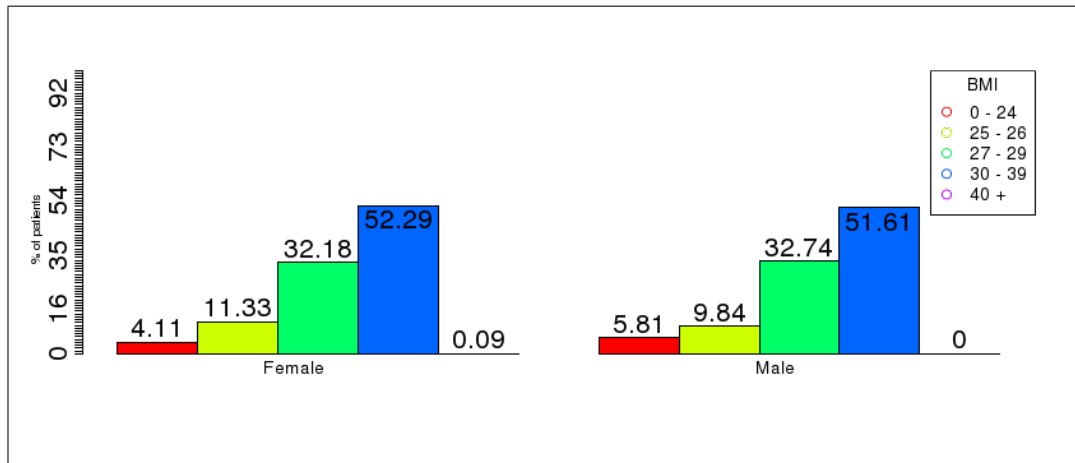
BMI	Type 1											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 24	0 (0)	1 (100)	1	2 (100)	0 (0)	2	1 (33.33)	2 (66.67)	3	0 (0)	0 (0)	0
25 - 26	0 (0)	0 (0)	0	2 (50)	2 (50)	4	1 (100)	0 (0)	1	0 (0)	0 (0)	0
27 - 29	0 (0)	6 (100)	6	6 (66.67)	3 (33.33)	9	2 (50)	2 (50)	4	0 (0)	0 (0)	0
30 - 39	2 (28.57)	5 (71.43)	7	6 (66.67)	3 (33.33)	9	2 (33.33)	4 (66.67)	6	0 (0)	2 (100)	2
40 +	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0
	2	12		16	8		6	8		0	2	54

chitab	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

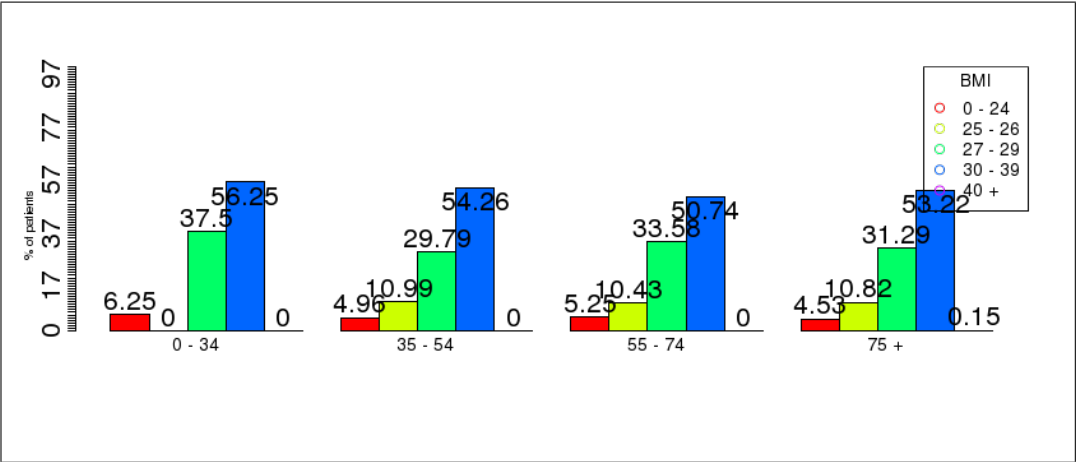
BMI	Type 2											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 24	0 (0)	0 (0)	0	5 (41.67)	7 (58.33)	12	20 (29.41)	48 (70.59)	68	17 (54.84)	14 (45.16)	31
25 - 26	0 (0)	0 (0)	0	11 (40.74)	16 (59.26)	27	67 (47.86)	73 (52.14)	140	43 (58.11)	31 (41.89)	74
27 - 29	0 (0)	0 (0)	0	26 (34.67)	49 (65.33)	75	204 (45.33)	246 (54.67)	450	114 (53.27)	100 (46.73)	214
30 - 39	0 (0)	2 (100)	2	44 (30.56)	100 (69.44)	144	323 (47.5)	357 (52.5)	680	195 (53.87)	167 (46.13)	362
40 +	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0	1 (100)	0 (0)	1
	0	2		86	172		614	724		370	312	2280

BMI (by Gender, Age Classes, Type of Diabetes)

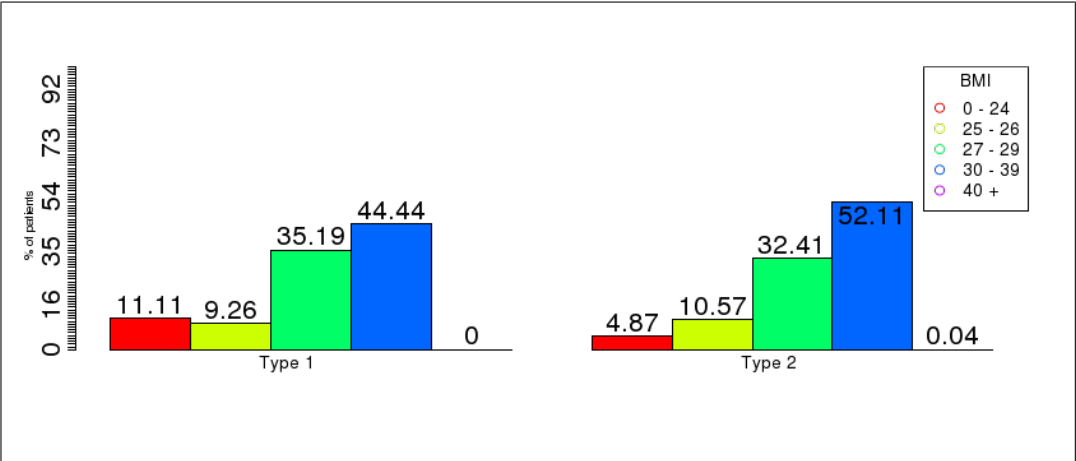
chitab	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



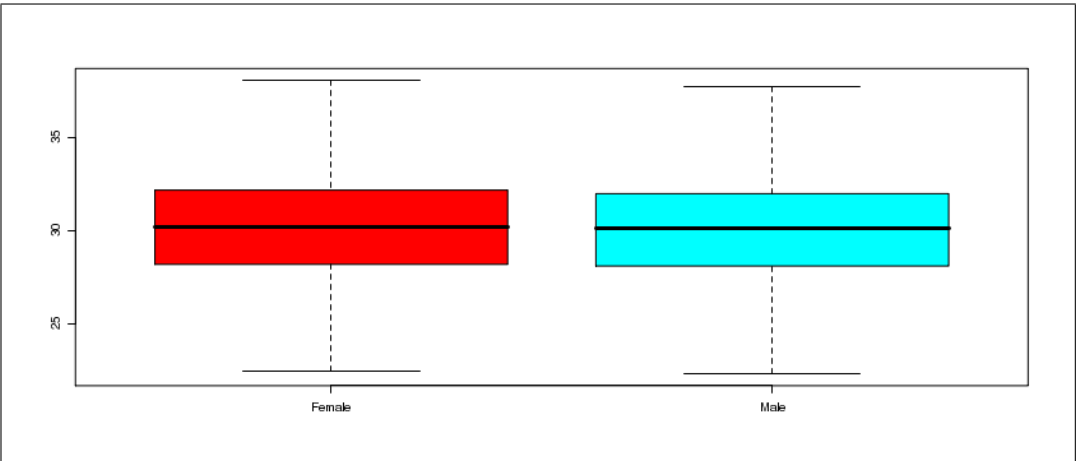
Barplot: BMI (by Gender)



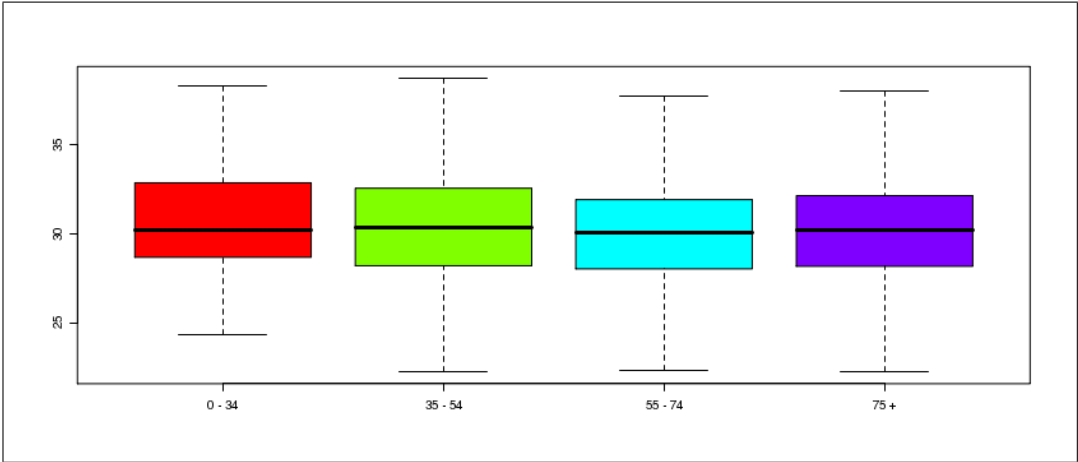
Barplot: BMI (by Age Classes)



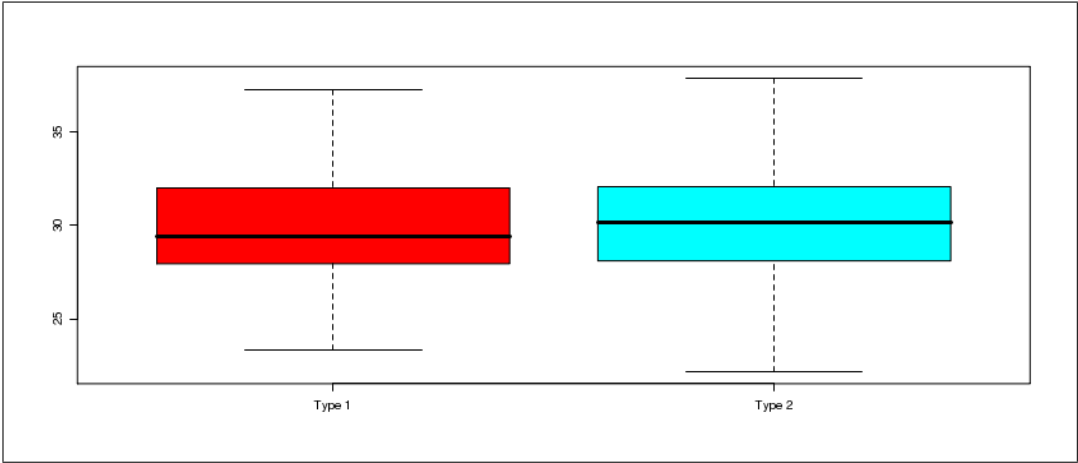
Barplot: BMI (by Type of Diabetes)



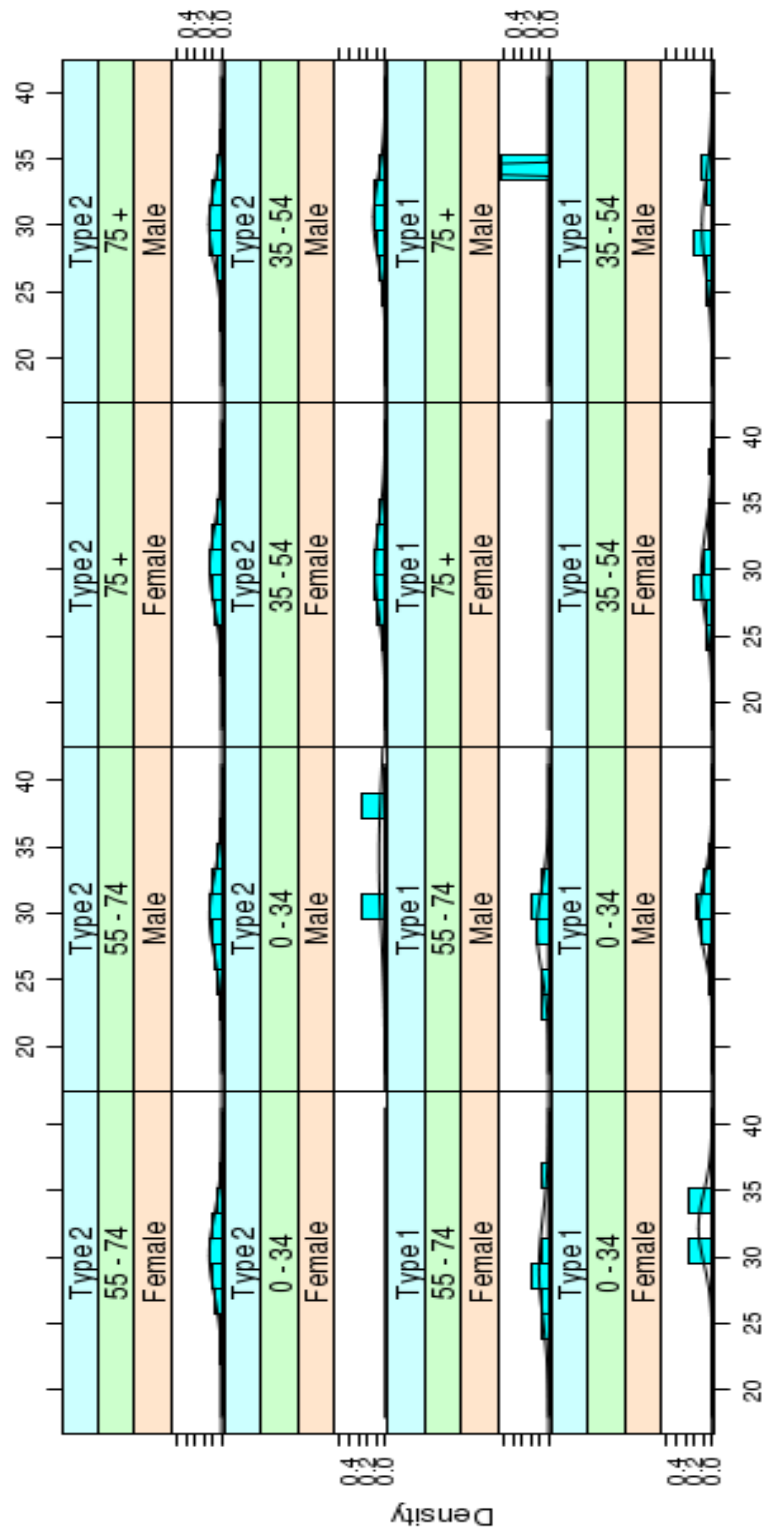
Boxplot: BMI (by Gender)



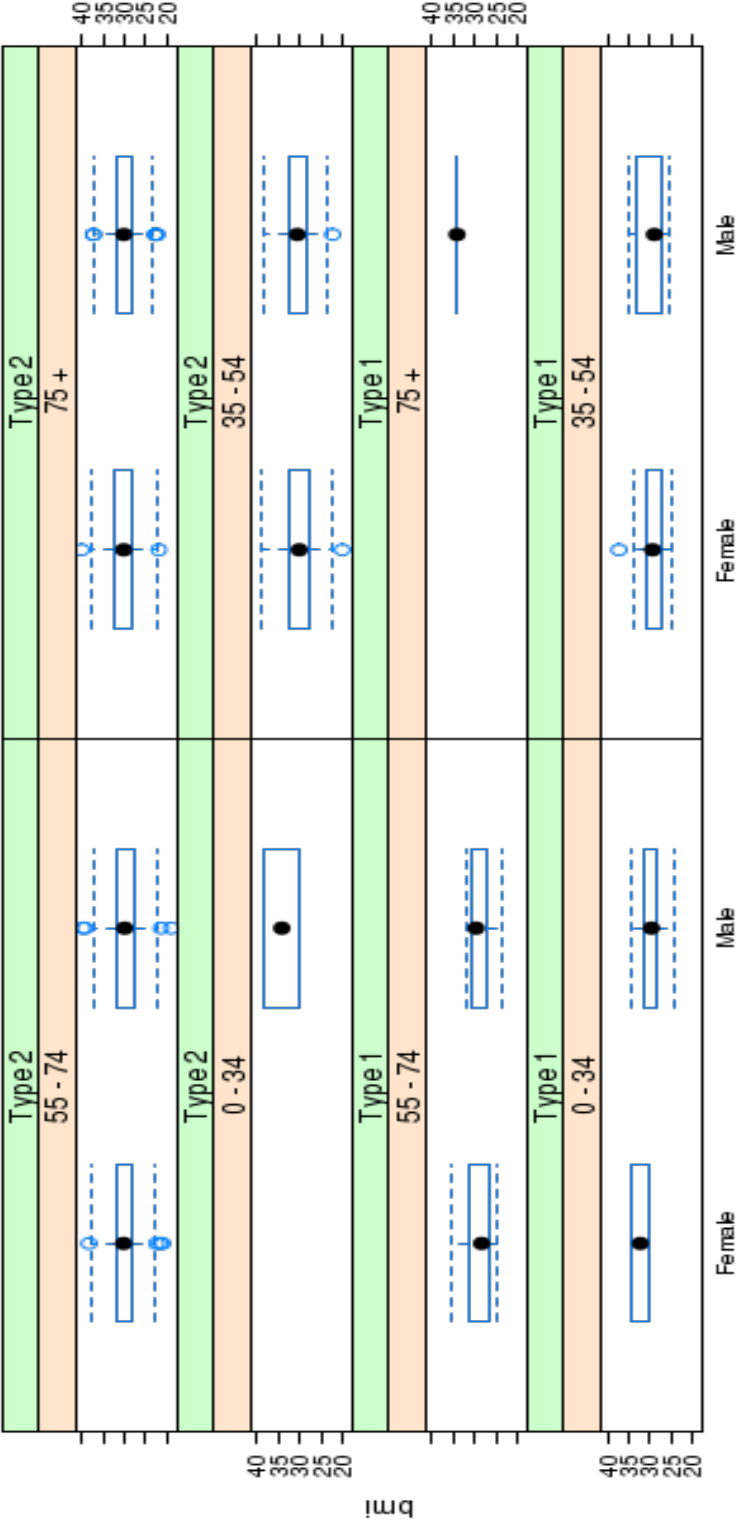
Boxplot: BMI (by Age Classes)



Boxplot: BMI (by Type of Diabetes)



Trellis density plot: BMI (by Gender, Age Classes, Type of Diabetes)



Trellis boxplot: BMI (by Gender, Age Classes, Type of Diabetes)

2.2.2.1 Smoking status (last episode in 12 months)

Reference Date: 31/12/2002

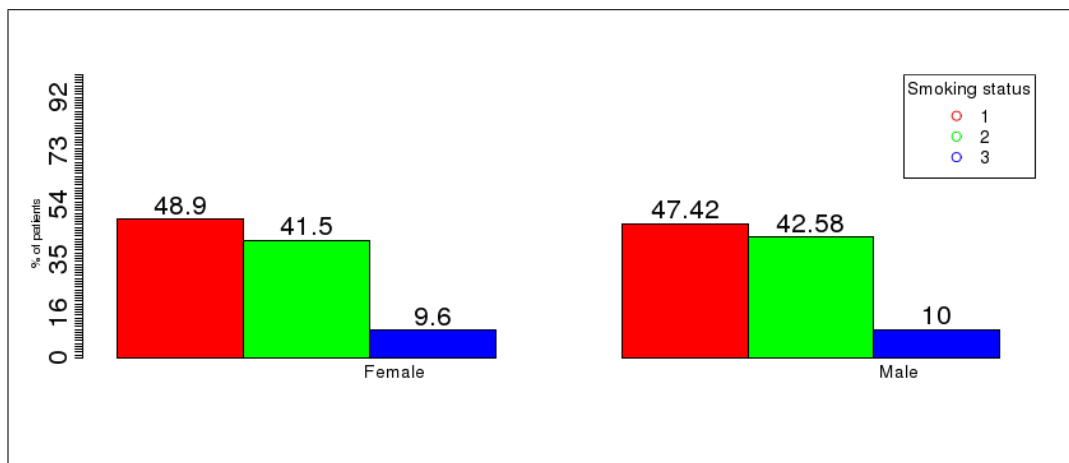
Smoking status	Type 1											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
Current smoker	1 (16.67)	5 (83.33)	6	5 (41.67)	7 (58.33)	12	2 (33.33)	4 (66.67)	6	0 (0)	0 (0)	0
Non-Smoker	1 (14.29)	6 (85.71)	7	8 (88.89)	1 (11.11)	9	4 (50)	4 (50)	8	0 (0)	1 (100)	1
Ex-Smoker	0 (0)	1 (100)	1	3 (100)	0 (0)	3	0 (0)	0 (0)	0	0 (0)	1 (100)	1
	2	12		16	8		6	8		0	2	54

chitab C-M-H Chi-Squared Test
1 One or more cells have less than 2 obs

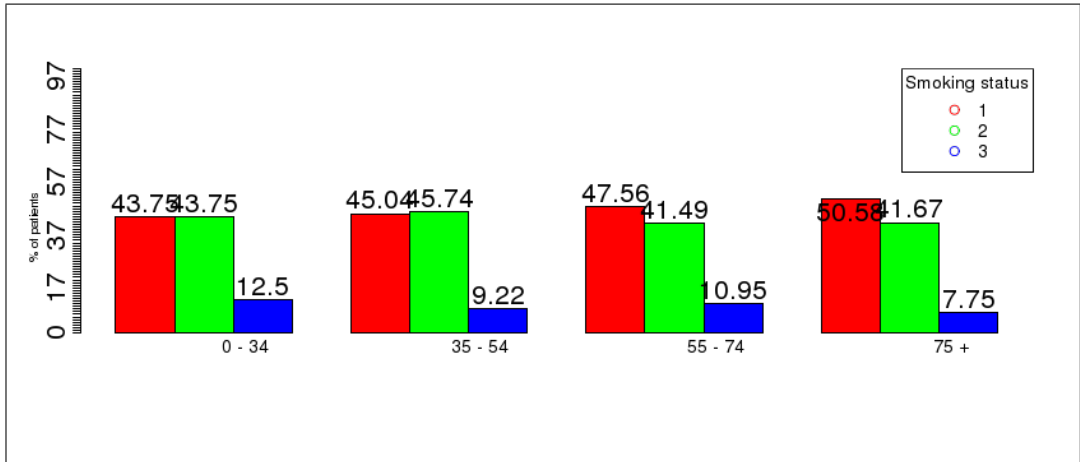
Smoking status	Type 2											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
Current smoker	0 (0)	1 (100)	1	37 (32.17)	78 (67.83)	115	292 (45.84)	345 (54.16)	637	198 (57.23)	148 (42.77)	346
Non-Smoker	0 (0)	0 (0)	0	42 (35)	78 (65)	120	247 (44.67)	306 (55.33)	553	152 (53.52)	132 (46.48)	284
Ex-Smoker	0 (0)	1 (100)	1	7 (30.43)	16 (69.57)	23	75 (50.68)	73 (49.32)	148	20 (38.46)	32 (61.54)	52
	0	2		86	172		614	724		370	312	2280

Smoking status (by Gender, Age Classes, Type of Diabetes)

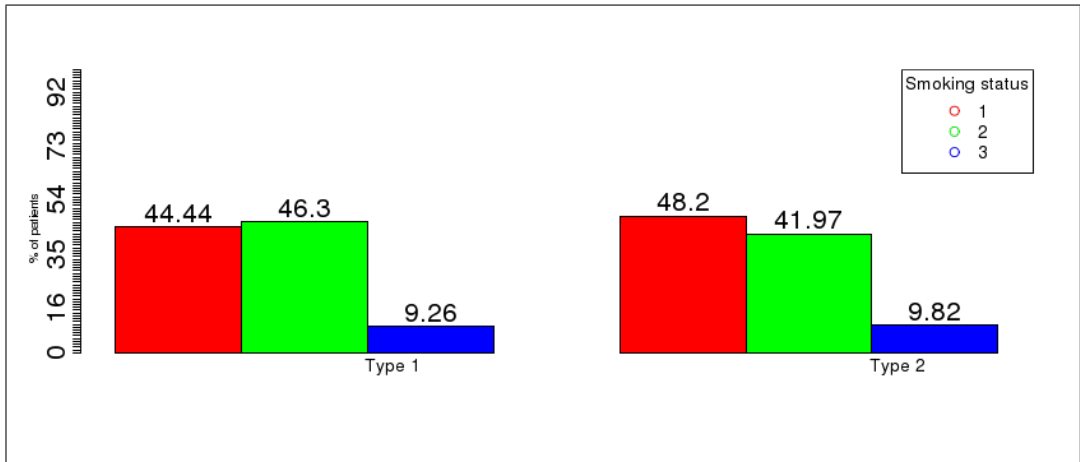
chitab C-M-H Chi-Squared Test
1 One or more cells have less than 2 obs



Barplot: Smoking status (by Gender)



Barplot: Smoking status (by Age Classes)



Barplot: Smoking status (by Type of Diabetes)

2.2.3.1. Systolic BP (last episode in 12 months)

Reference Date: 31/12/2002

SBP	Type 1											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 129	4 (33.33)	8 (66.67)	12	4 (50)	4 (50)	8	2 (50)	2 (50)	4	0 (0)	0 (0)	0
130 - 159	0 (0)	4 (100)	4	4 (66.67)	2 (33.33)	6	0 (0)	0 (0)	0	0 (0)	0 (0)	0
160 +	0 (0)	0 (0)	0	0 (0)	0 (0)	0	2 (33.33)	4 (66.67)	6	0 (0)	2 (100)	2
	4	12		8	6		4	6		0	2	42

chitab C-M-H Chi-Squared Test

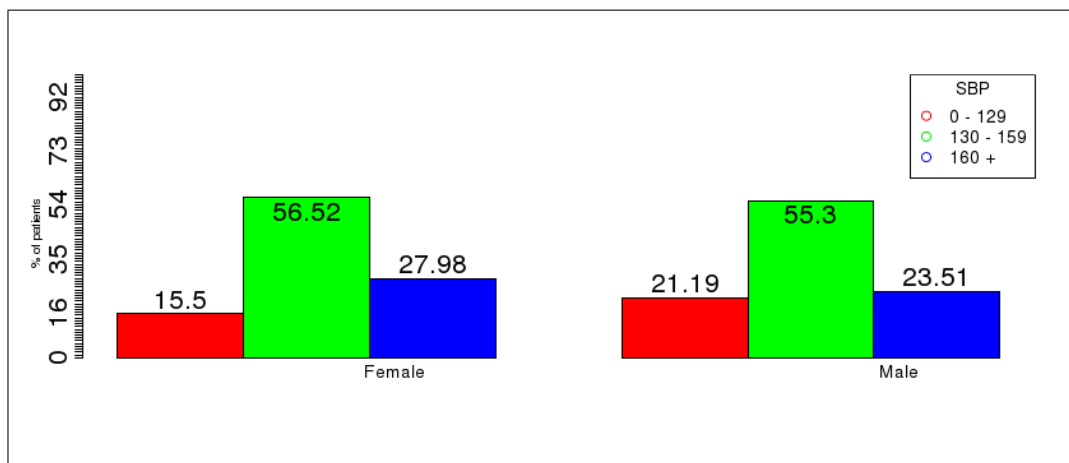
1 One or more cells have less than 2 obs

SBP	Type 2											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 129	0 (0)	2 (100)	2	20 (21.74)	72 (78.26)	92	84 (35.59)	152 (64.41)	236	50 (59.52)	34 (40.48)	84
130 - 159	2 (100)	0 (0)	2	48 (30.77)	108 (69.23)	156	404 (46.76)	460 (53.24)	864	140 (49.82)	141 (50.18)	281
160 +	0 (0)	0 (0)	0	12 (30)	28 (70)	40	170 (42.71)	228 (57.29)	398	112 (72.73)	42 (27.27)	154
	2	2		80	208		658	840		302	217	2309

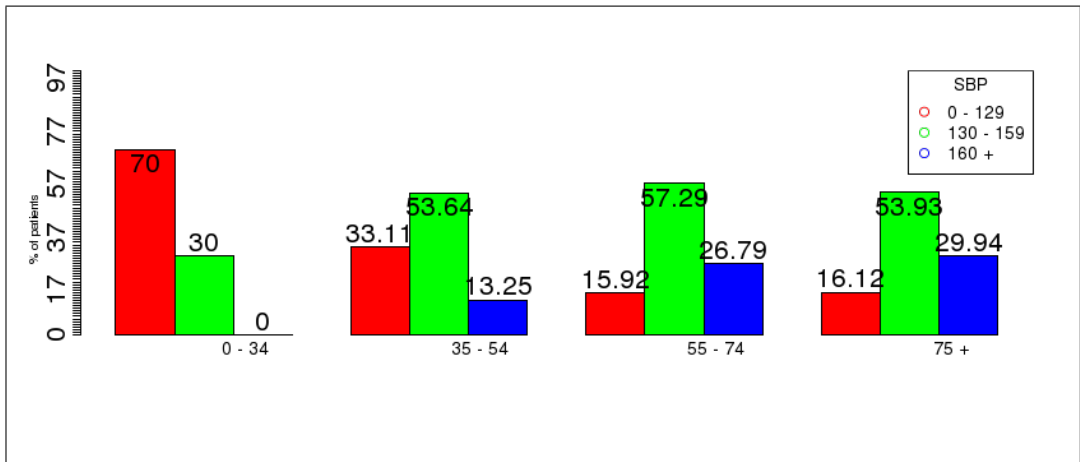
SBP (by Gender, Age Classes, Type of Diabetes)

chitab C-M-H Chi-Squared Test

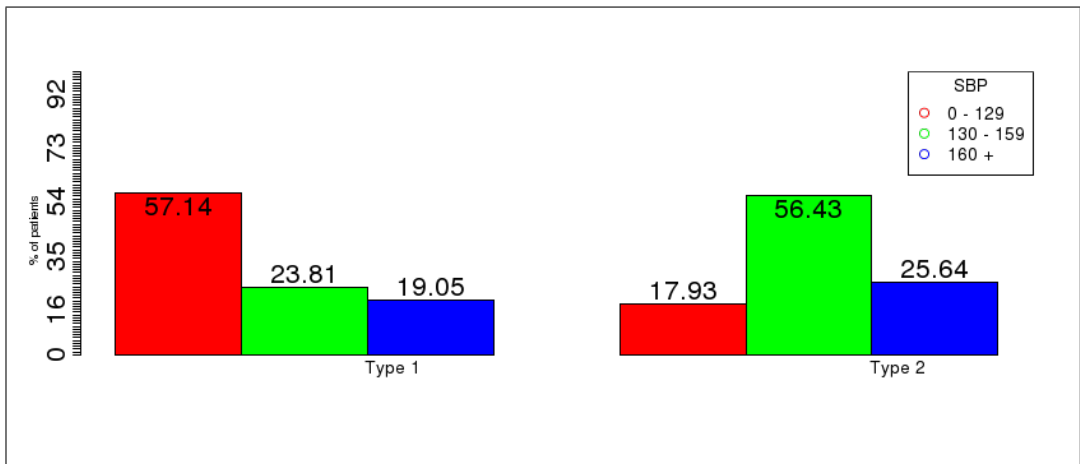
1 One or more cells have less than 2 obs



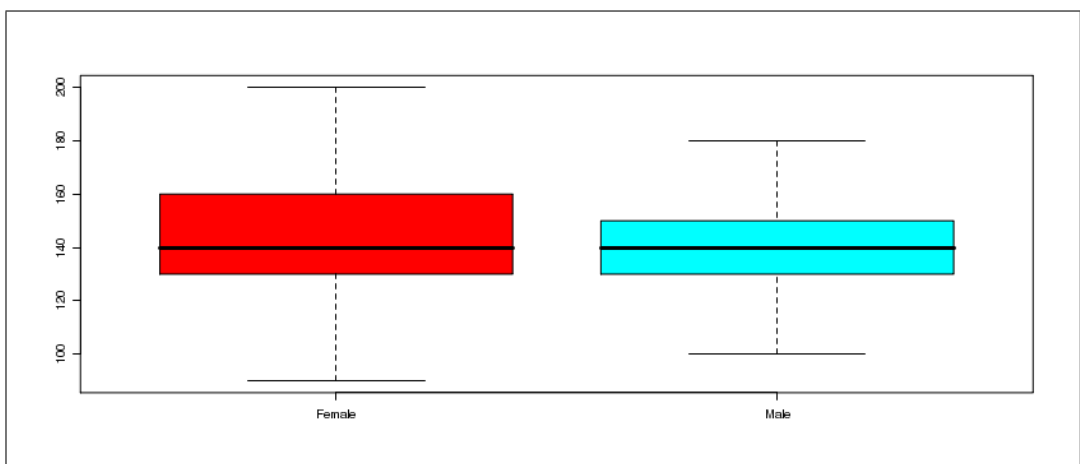
Barplot: SBP (by Gender)



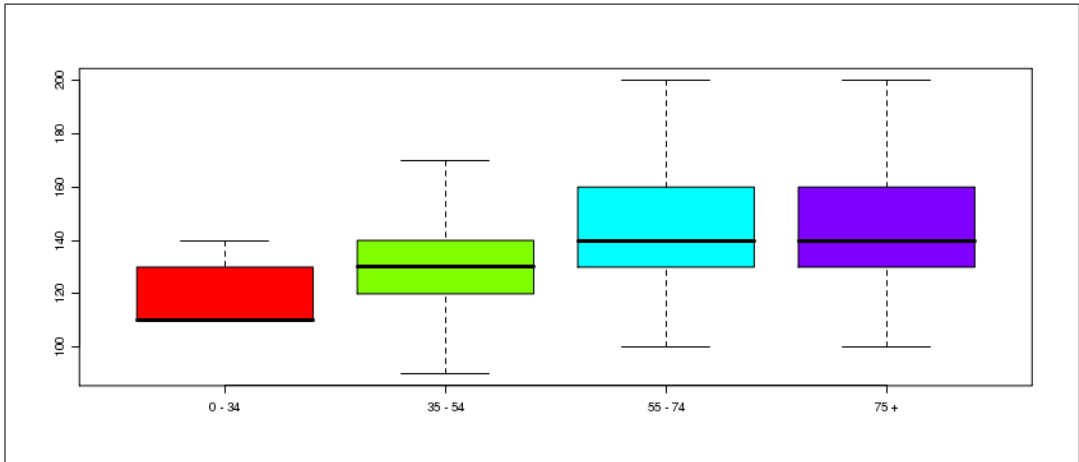
Barplot: SBP (by Age Classes)



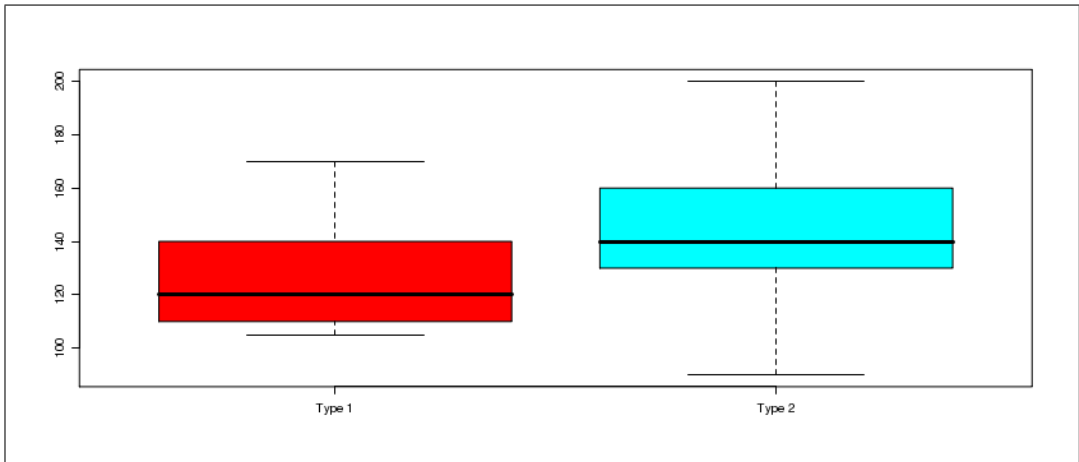
Barplot: SBP (by Type of Diabetes)



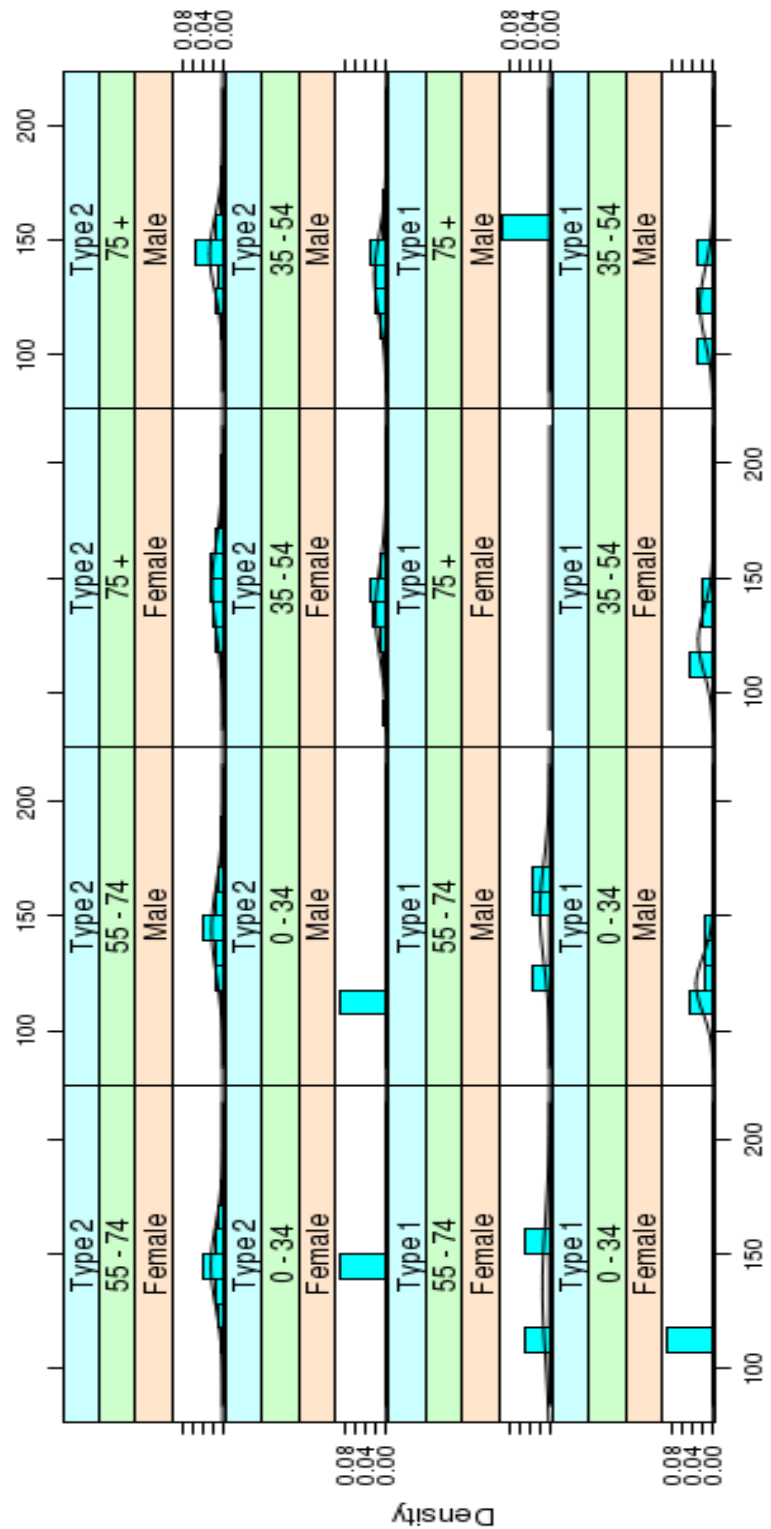
Boxplot: SBP (by Gender)



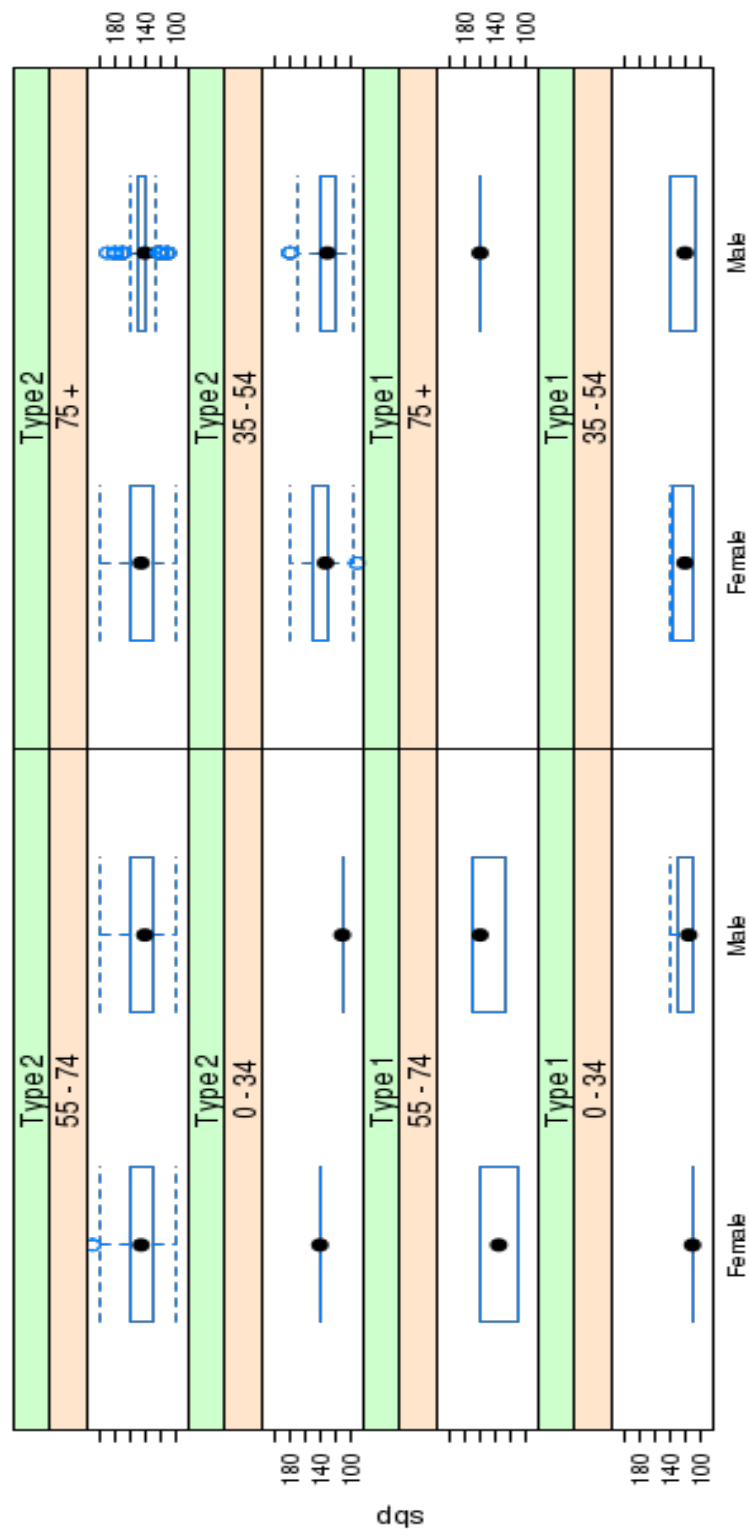
Boxplot: SBP (by Age Classes)



Boxplot: SBP (by Type of Diabetes)



Trellis density plot: SBP (by Gender, Age Classes, Type of Diabetes)



Trellis boxplot: SBP (by Gender, Age Classes, Type of Diabetes)

2.2.3.2. Diastolic BP (last episode in 12 months)

Reference Date: 31/12/2002

DBP	Type 1											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 69	2 (100)	0 (0)	2	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0
70 - 99	2 (14.29)	12 (85.71)	14	8 (57.14)	6 (42.86)	14	4 (50)	4 (50)	8	0 (0)	2 (100)	2
100 - 119	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	2 (100)	2	0 (0)	0 (0)	0
120 +	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0
	4	12		8	6		4	6		0	2	42

chitab C-M-H Chi-Squared Test

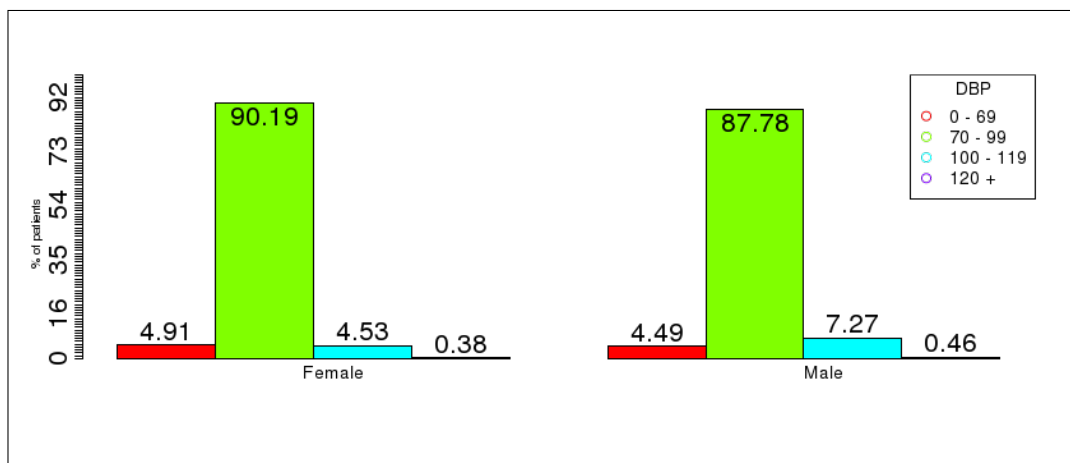
1 One or more cells have less than 2 obs

DBP	Type 2											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 69	0 (0)	0 (0)	0	2 (50)	2 (50)	4	18 (31.03)	40 (68.97)	58	30 (65.22)	16 (34.78)	46
70 - 99	2 (50)	2 (50)	4	68 (27.87)	176 (72.13)	244	606 (45.09)	738 (54.91)	1344	266 (57.7)	195 (42.3)	461
100 - 119	0 (0)	0 (0)	0	10 (26.32)	28 (73.68)	38	30 (34.88)	56 (65.12)	86	8 (50)	8 (50)	16
120 +	0 (0)	0 (0)	0	0 (0)	2 (100)	2	4 (50)	4 (50)	8	0 (0)	0 (0)	0
	2	2		80	208		658	838		304	219	2311

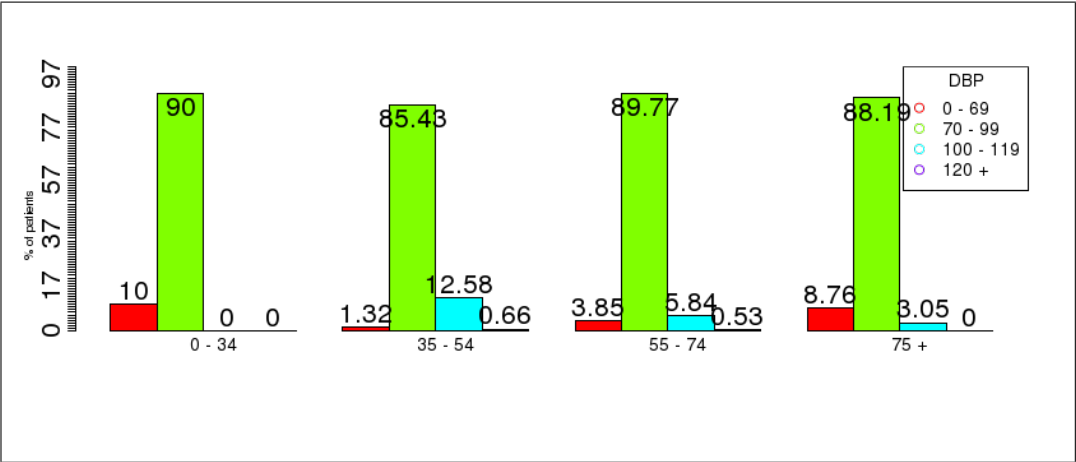
DBP (by Gender, Age Classes, Type of Diabetes)

chitab C-M-H Chi-Squared Test

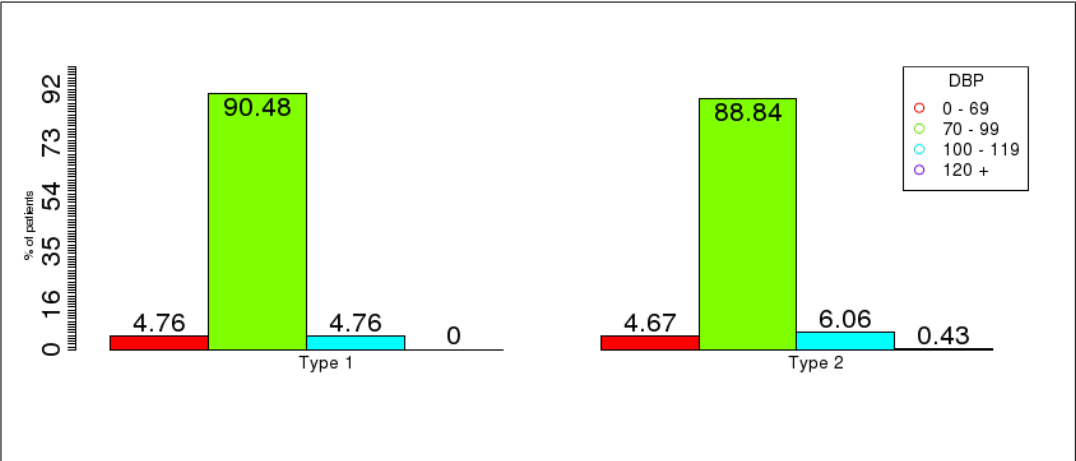
1 One or more cells have less than 2 obs



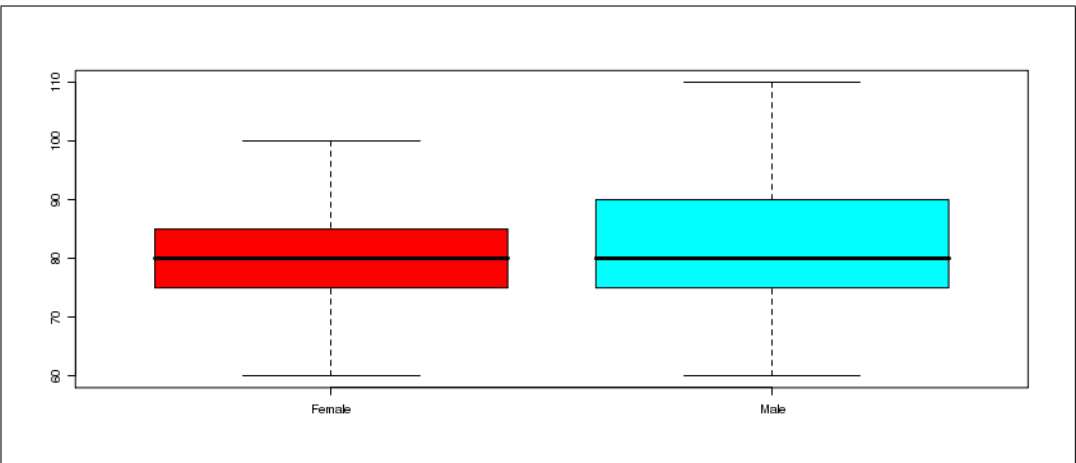
Barplot: DBP (by Gender)



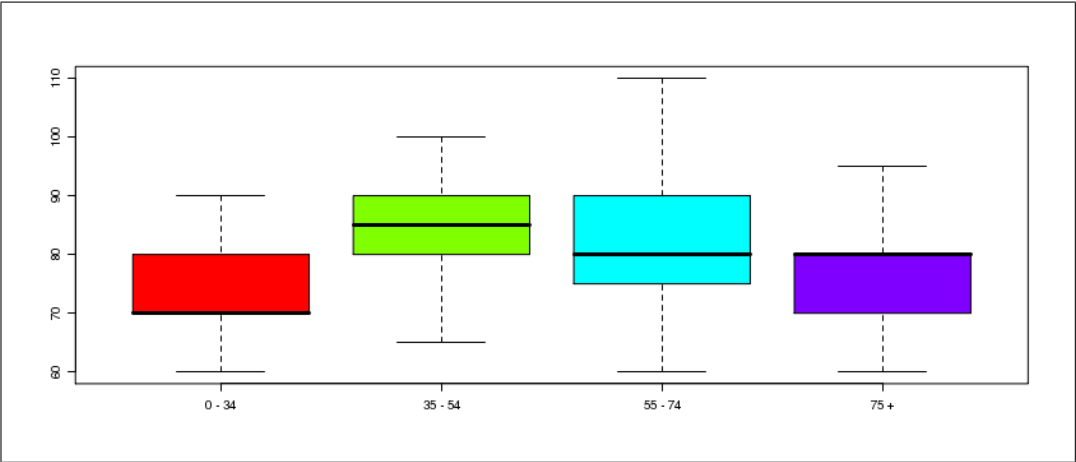
Barplot: DBP (by Age Classes)



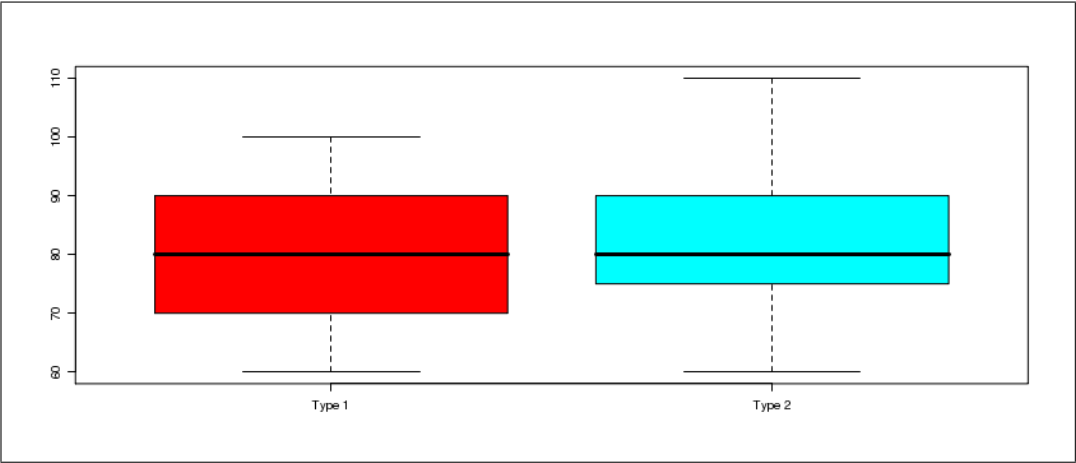
Barplot: DBP (by Type of Diabetes)



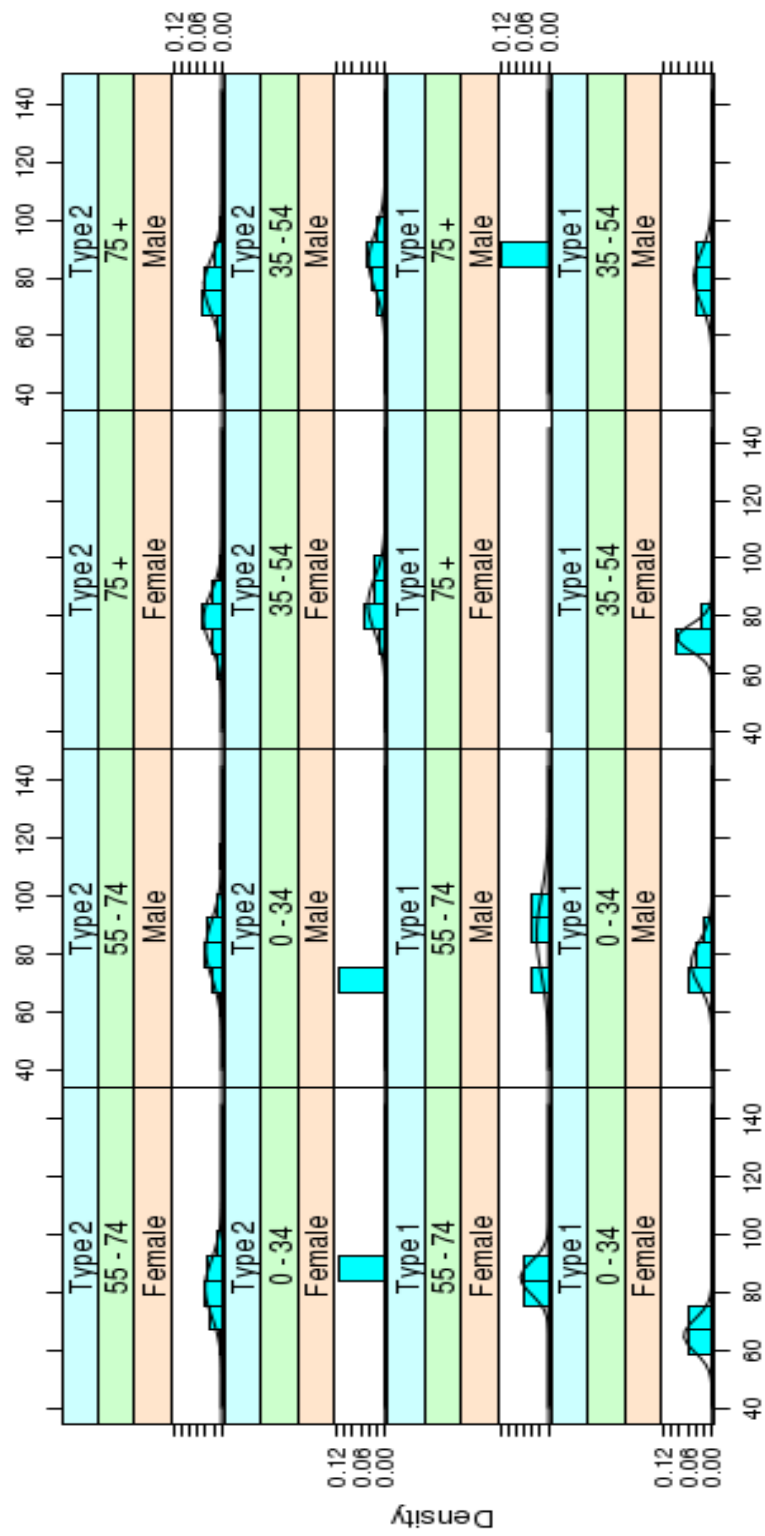
Boxplot: DBP (by Gender)



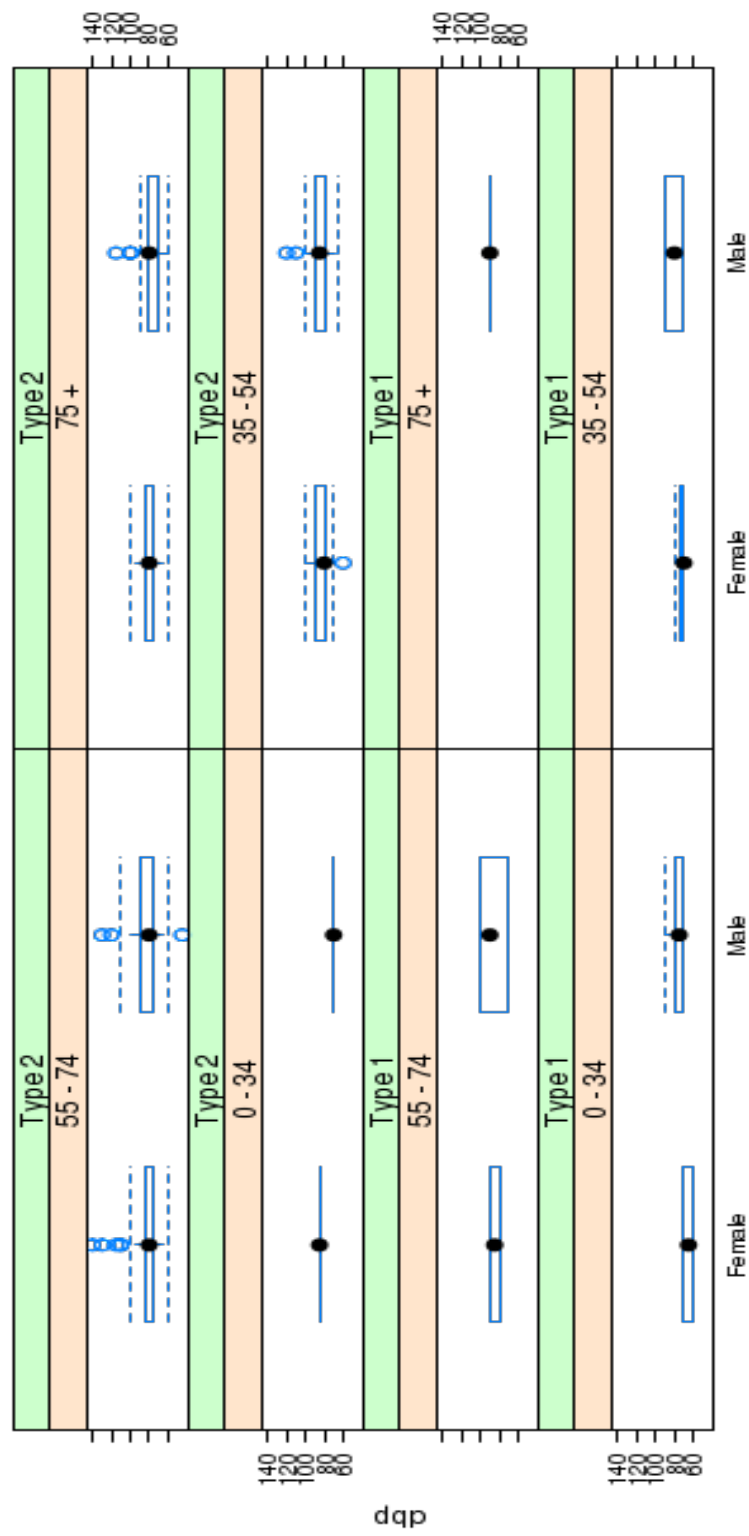
Boxplot: DBP (by Age Classes)



Boxplot: DBP (by Type of Diabetes)



Trellis density plot: DBP (by Gender, Age Classes, Type of Diabetes)



Trellis boxplot: DBP (by Gender, Age Classes, Type of Diabetes)

2.2.3.3. Total cholesterol (last episode in 12 months)

Reference Date: 31/12/2002

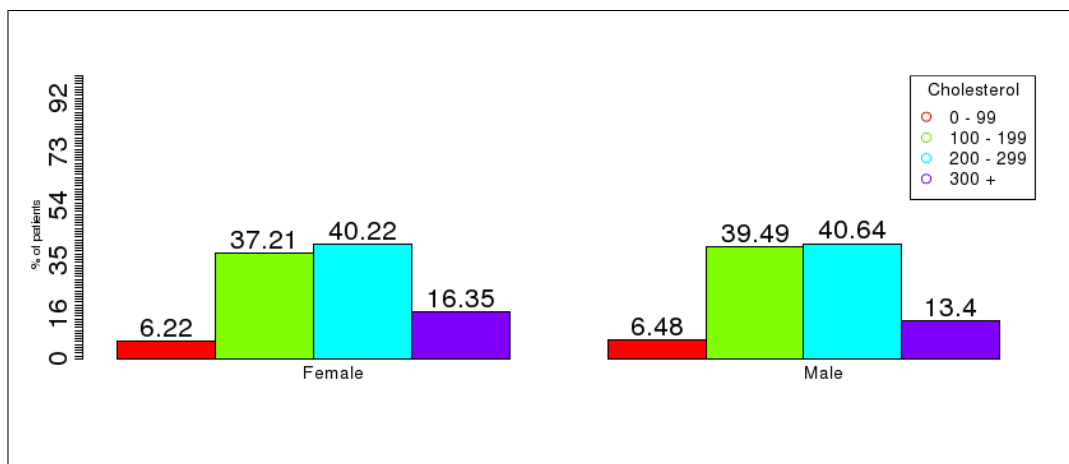
Cholesterol	Type 1											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 99	0 (0)	3 (100)	3	2 (66.67)	1 (33.33)	3	0 (0)	1 (100)	1	0 (0)	0 (0)	0 7
100 - 199	0 (0)	5 (100)	5	8 (72.73)	3 (27.27)	11	3 (37.5)	5 (62.5)	8	0 (0)	2 (100)	2 26
200 - 299	0 (0)	1 (100)	1	2 (40)	3 (60)	5	2 (100)	0 (0)	2	0 (0)	0 (0)	0 8
300 +	1 (33.33)	2 (66.67)	3	3 (100)	0 (0)	3	0 (0)	0 (0)	0	0 (0)	0 (0)	0 6
	1	11		15	7		5	6		0	2	47

chitab C-M-H Chi-Squared Test
1 One or more cells have less than 2 obs

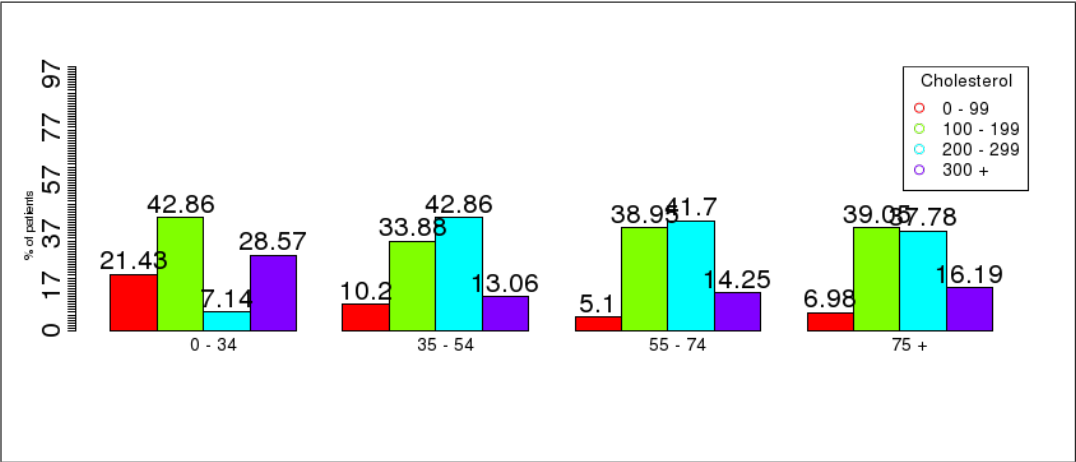
Cholesterol	Type 2											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 99	0 (0)	0 (0)	0	8 (36.36)	14 (63.64)	22	30 (48.39)	32 (51.61)	62	22 (50)	22 (50)	44 128
100 - 199	0 (0)	1 (100)	1	23 (31.94)	49 (68.06)	72	205 (43.34)	268 (56.66)	473	132 (54.1)	112 (45.9)	244 790
200 - 299	0 (0)	0 (0)	0	37 (37)	63 (63)	100	229 (44.64)	284 (55.36)	513	131 (55.04)	107 (44.96)	238 851
300 +	0 (0)	1 (100)	1	7 (24.14)	22 (75.86)	29	95 (53.98)	81 (46.02)	176	57 (55.88)	45 (44.12)	102 308
	0	2		75	148		559	665		342	286	2077

Cholesterol (by Gender, Age Classes, Type of Diabetes)

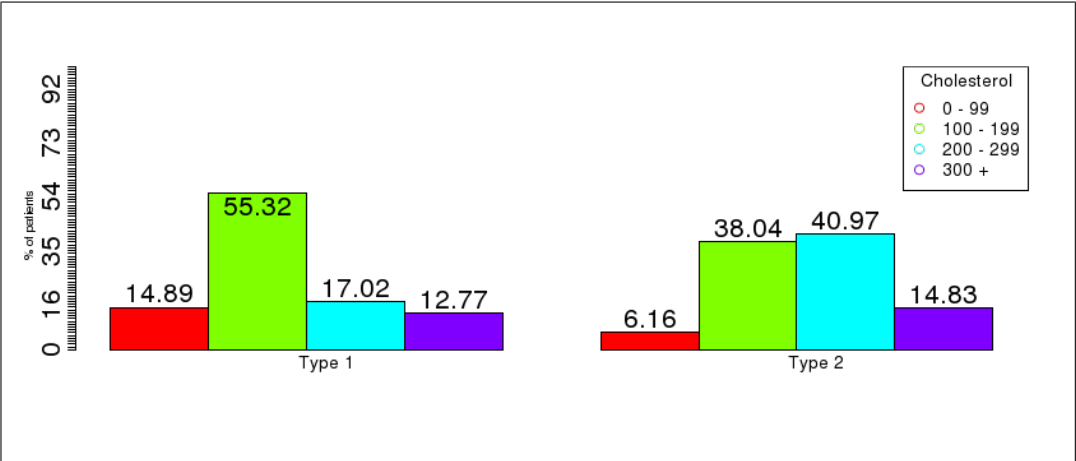
chitab C-M-H Chi-Squared Test
1 One or more cells have less than 2 obs



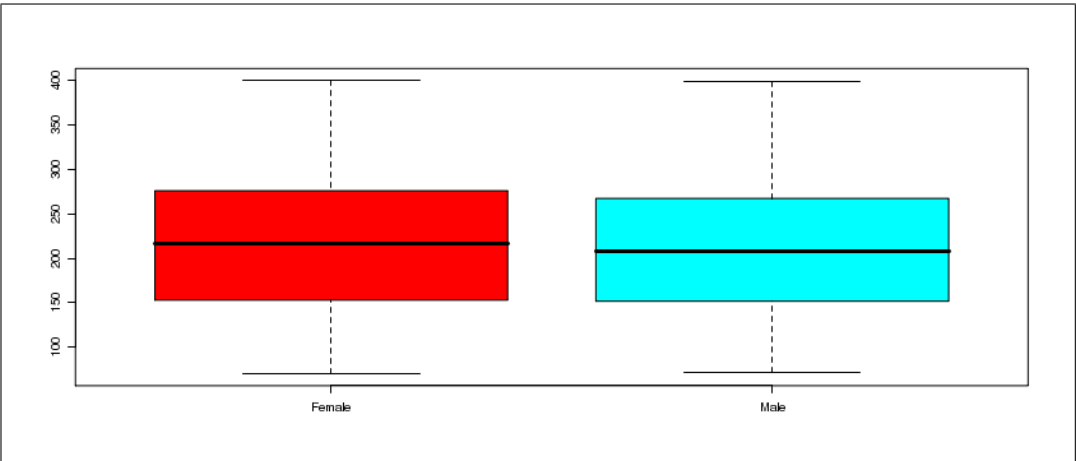
Barplot: Cholesterol (by Gender)



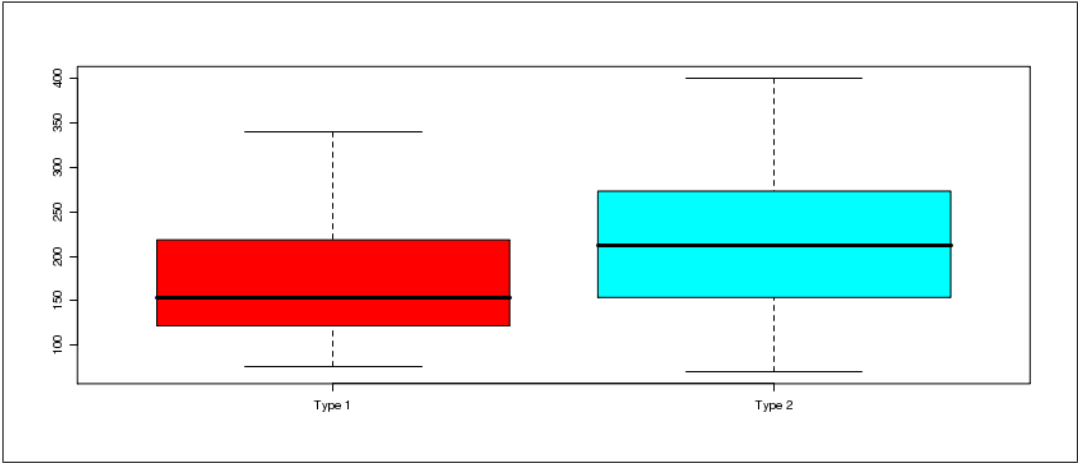
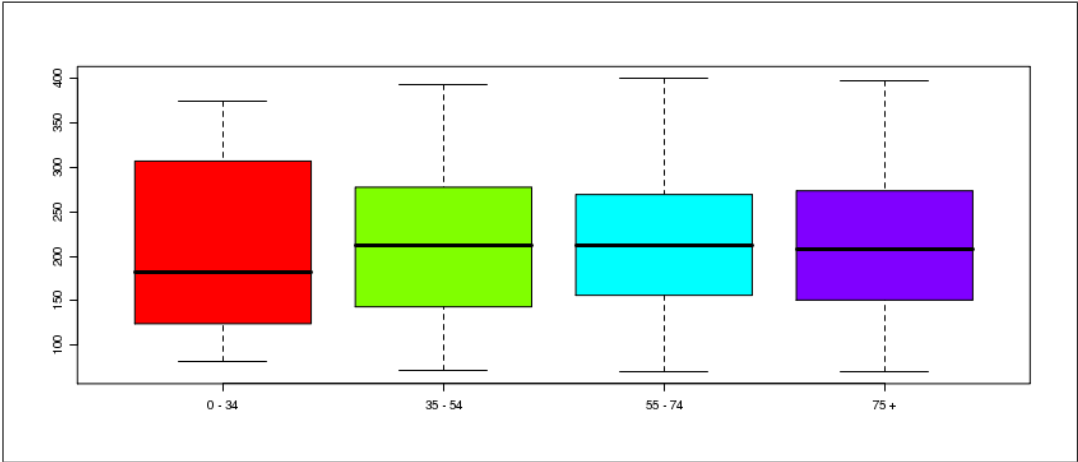
Barplot: Cholesterol (by Age Classes)

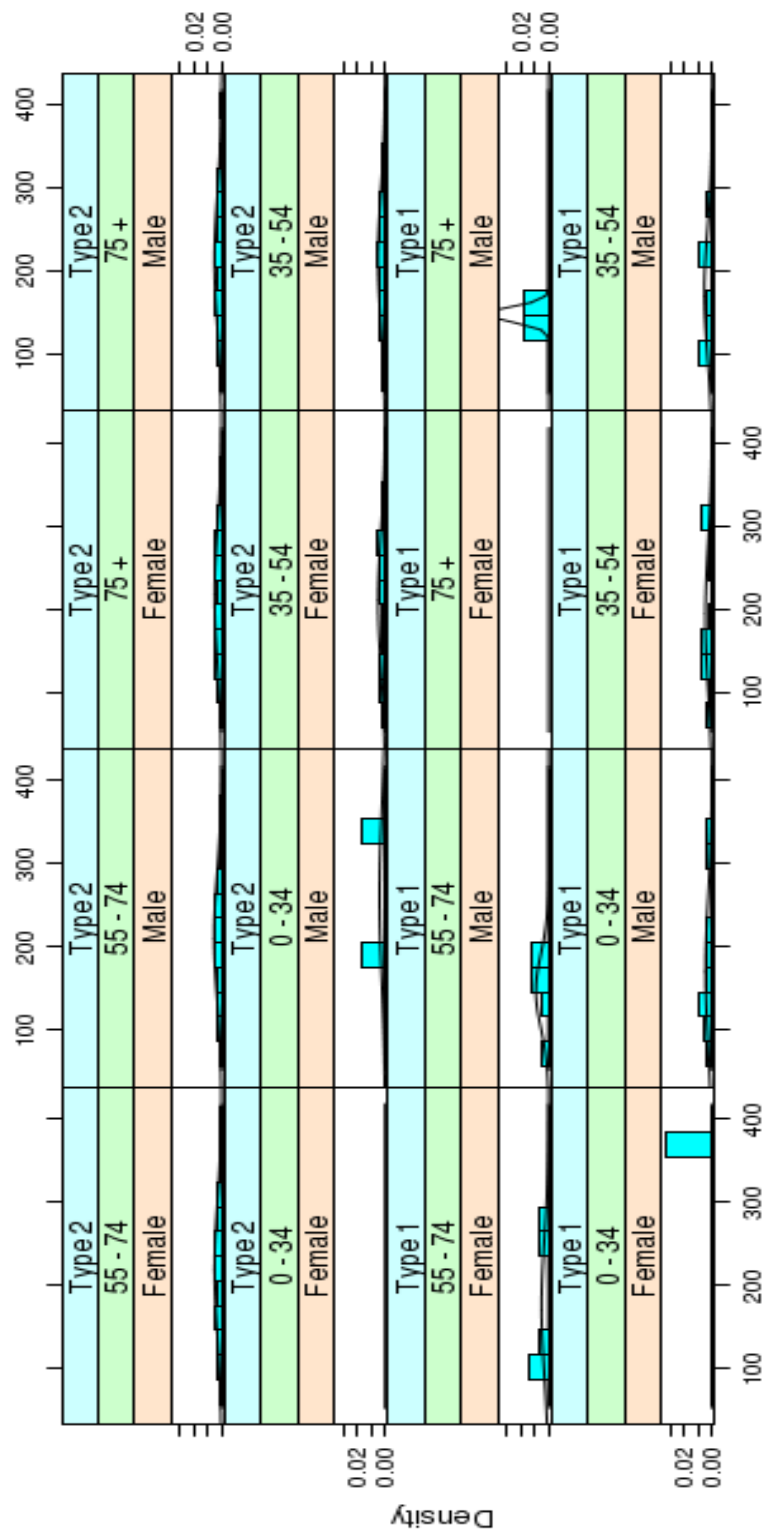


Barplot: Cholesterol (by Type of Diabetes)

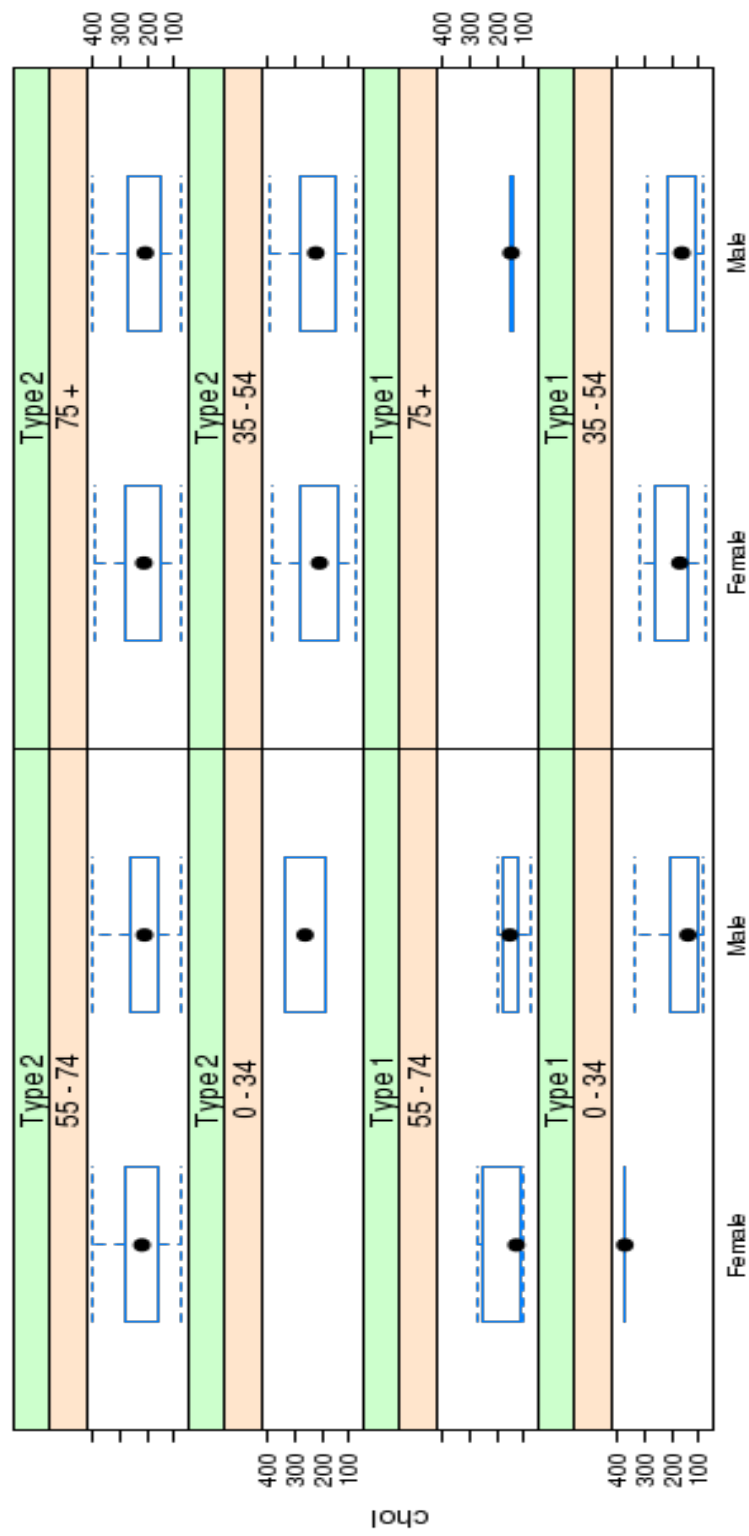


Boxplot: Cholesterol (by Gender)





Trellis density plot: Cholesterol (by Gender, Age Classes, Type of Diabetes)



Trellis boxplot: Cholesterol (by Gender, Age Classes, Type of Diabetes)

2.2.3.4. HDL-cholesterol (last episode in 12 months)

Reference Date: 31/12/2002

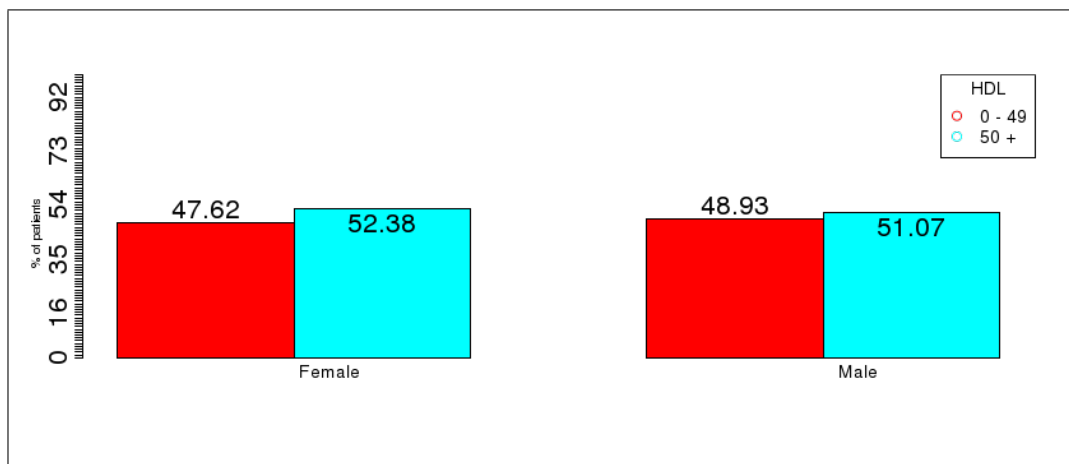
HDL	Type 1											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 49	1 (20)	4 (80)	5	8 (61.54)	5 (38.46)	13	4 (66.67)	2 (33.33)	6	0 (0)	0 (0)	0
50 +	1 (11.11)	8 (88.89)	9	7 (70)	3 (30)	10	2 (25)	6 (75)	8	0 (0)	2 (100)	2
	2	12		15	8		6	8		0	2	53

chitab C-M-H Chi-Squared Test
1 One or more cells have less than 2 obs

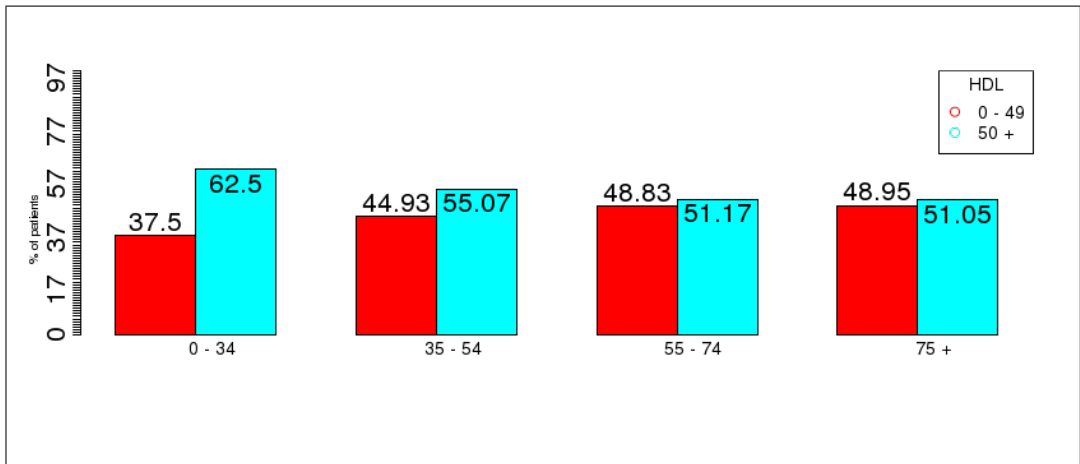
HDL	Type 2											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 49	0 (0)	1 (100)	1	41 (36.94)	70 (63.06)	111	277 (43.08)	366 (56.92)	643	179 (54.91)	147 (45.09)	326
50 +	0 (0)	1 (100)	1	44 (30.99)	98 (69.01)	142	326 (48.51)	346 (51.49)	672	181 (53.55)	157 (46.45)	338
	0	2		85	168		603	712		360	304	2234

HDL (by Gender, Age Classes, Type of Diabetes)

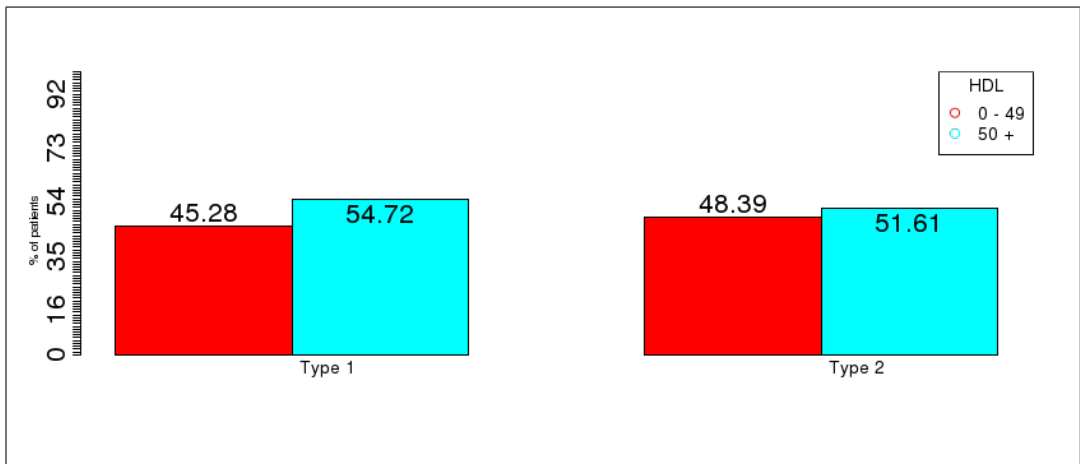
chitab C-M-H Chi-Squared Test
1 One or more cells have less than 2 obs



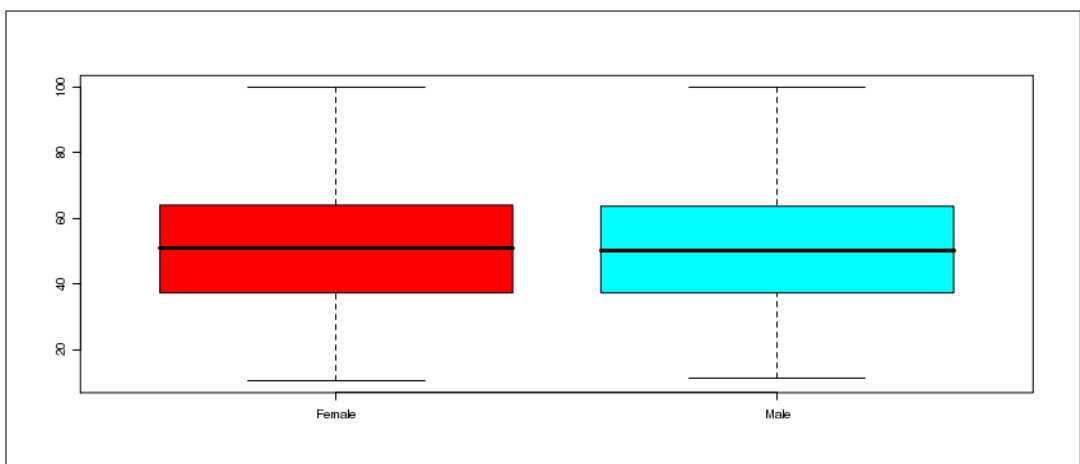
Barplot: HDL (by Gender)



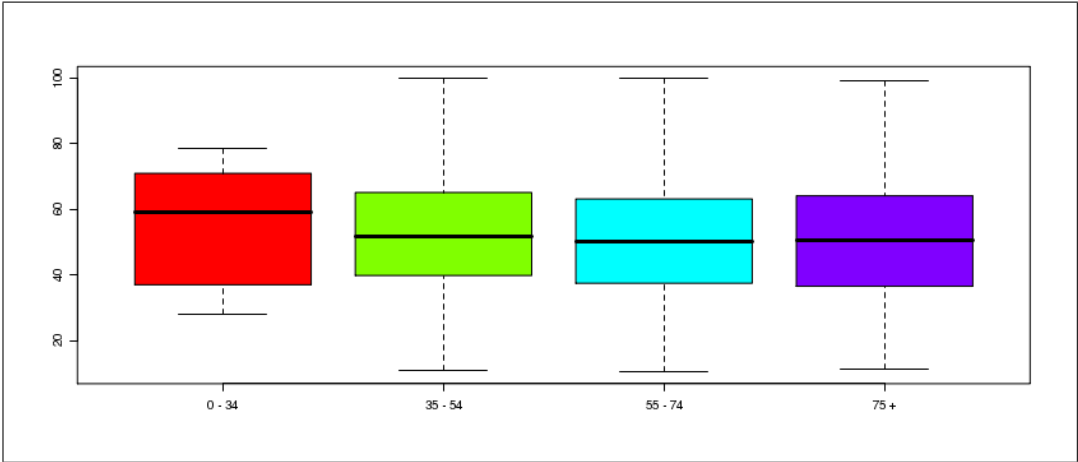
Barplot: HDL (by Age Classes)



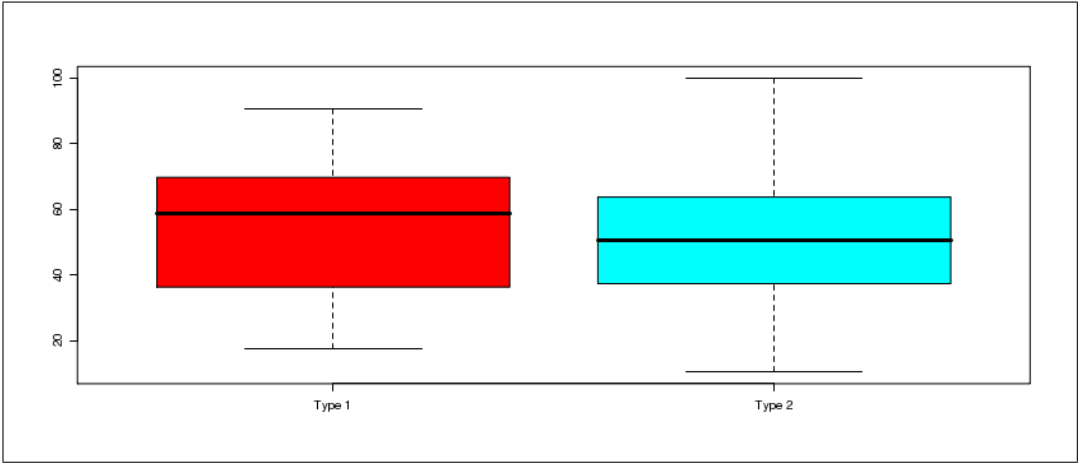
Barplot: HDL (by Type of Diabetes)



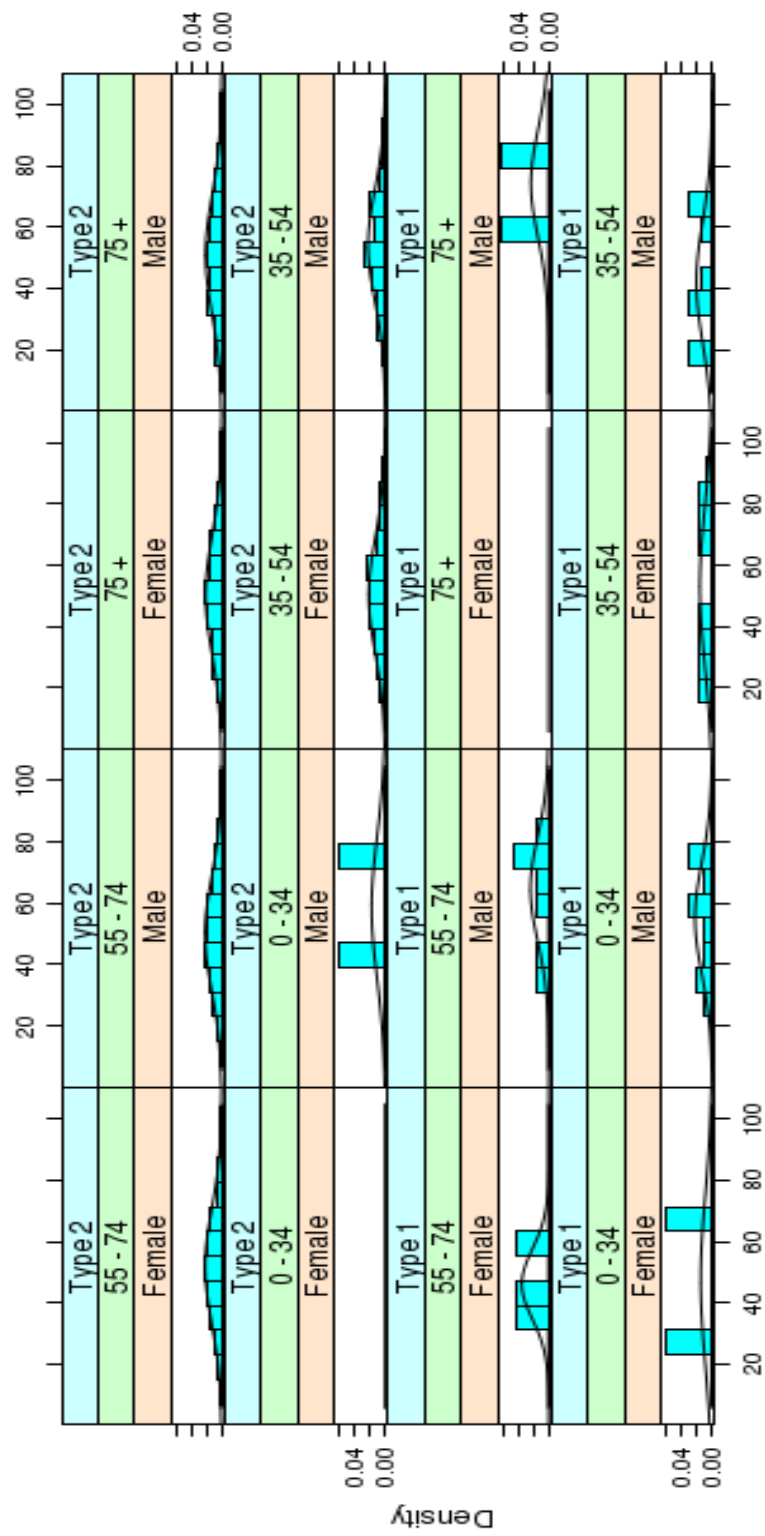
Boxplot: HDL (by Gender)



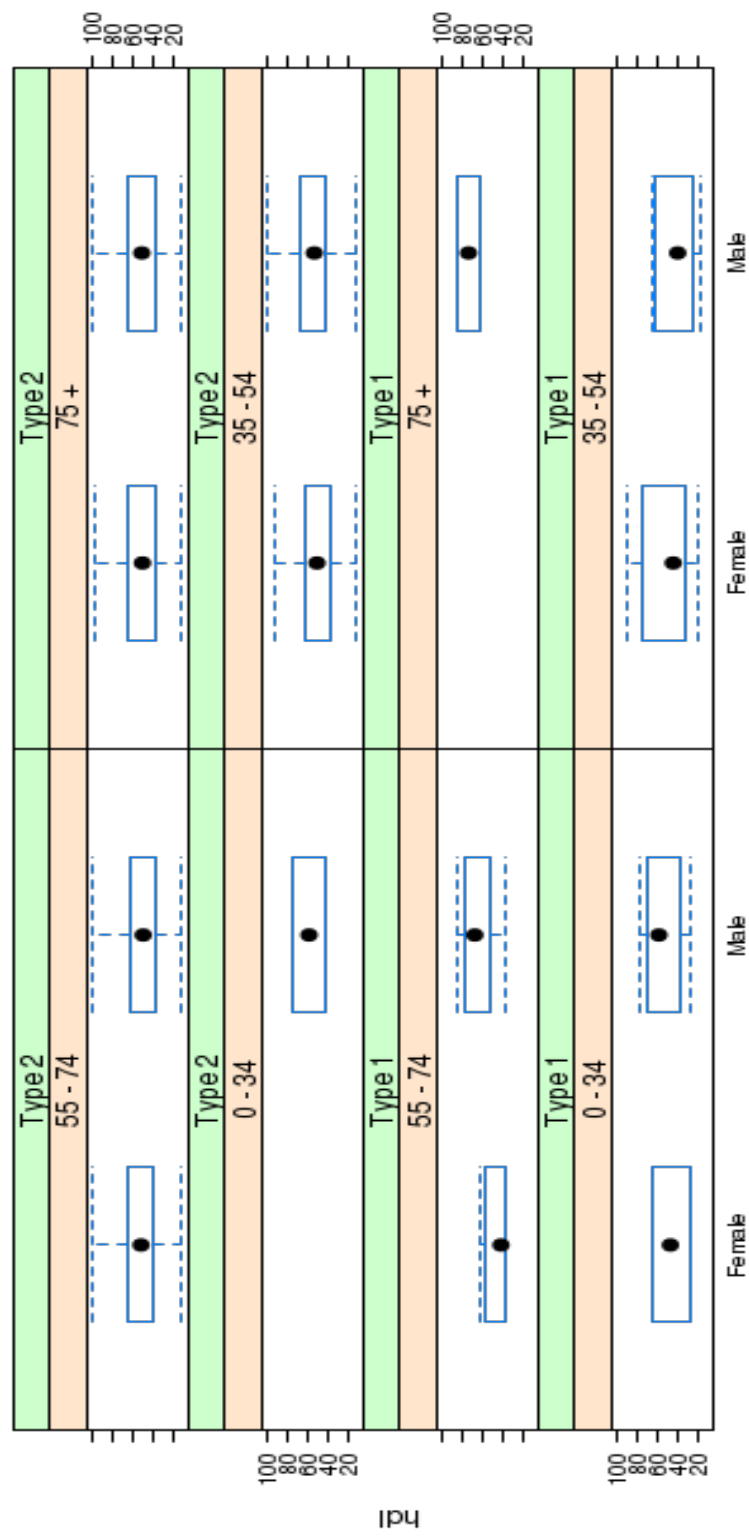
Boxplot: HDL (by Age Classes)



Boxplot: HDL (by Type of Diabetes)



Trellis density plot: HDL (by Gender, Age Classes, Type of Diabetes)



Trellis boxplot: HDL (by Gender, Age Classes, Type of Diabetes)

2.2.3.5. Creatinine (last episode in 12 months)

Reference Date: 31/12/2002

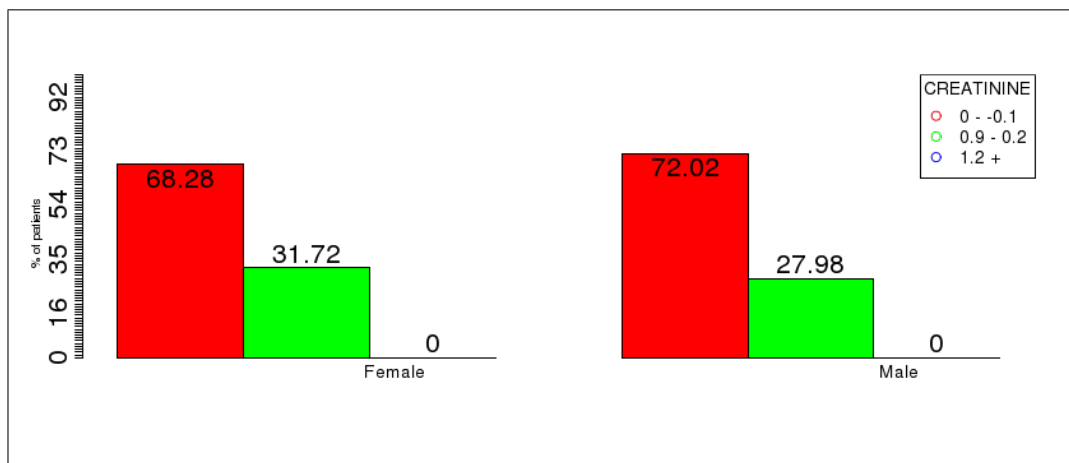
CREATININE	Type 1											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - -0.1	1 (11.11)	8 (88.89)	9	12 (66.67)	6 (33.33)	18	5 (45.45)	6 (54.55)	11	0 (0)	1 (100)	1 39
0.9 - 0.2	1 (20)	4 (80)	5	4 (66.67)	2 (33.33)	6	1 (33.33)	2 (66.67)	3	0 (0)	1 (100)	1 15
1.2 +	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0 0
	2	12		16	8		6	8		0	2	54

chitab C-M-H Chi-Squared Test
1 One or more cells have less than 2 obs

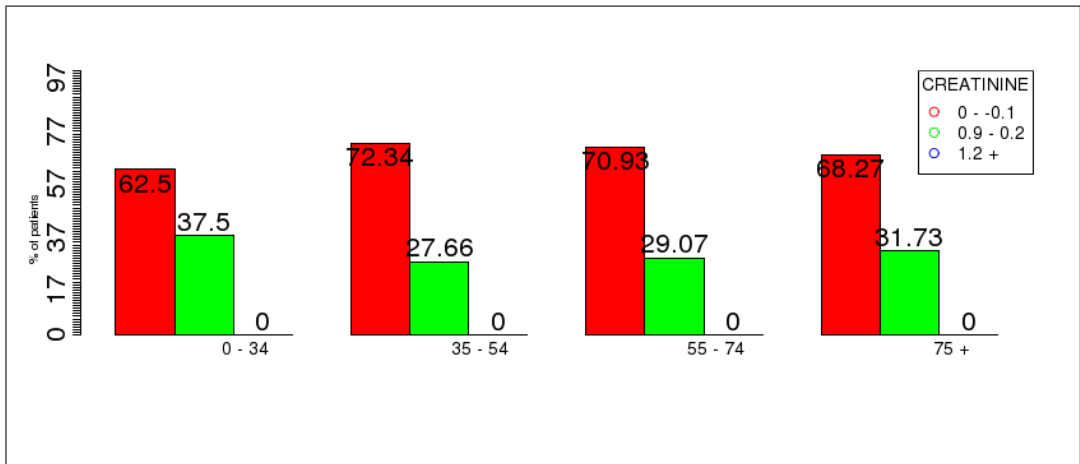
CREATININE	Type 2											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - -0.1	0 (0)	1 (100)	1	59 (31.72)	127 (68.28)	186	424 (44.73)	524 (55.27)	948	246 (52.79)	220 (47.21)	466 1601
0.9 - 0.2	0 (0)	1 (100)	1	27 (37.5)	45 (62.5)	72	190 (48.72)	200 (51.28)	390	124 (57.41)	92 (42.59)	216 679
1.2 +	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0	0 (0)	0 (0)	0 0
	0	2		86	172		614	724		370	312	2280

CREATININE (by Gender, Age Classes, Type of Diabetes)

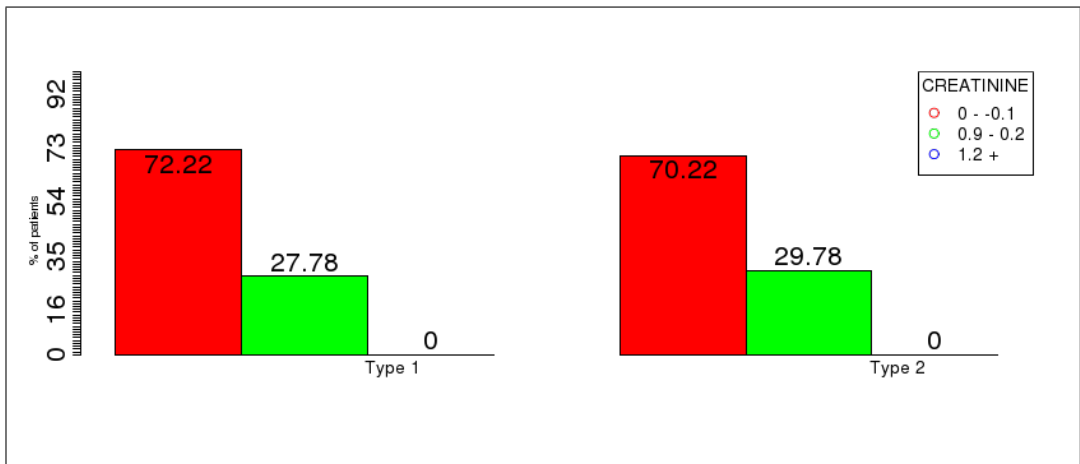
chitab C-M-H Chi-Squared Test
1 One or more cells have less than 2 obs



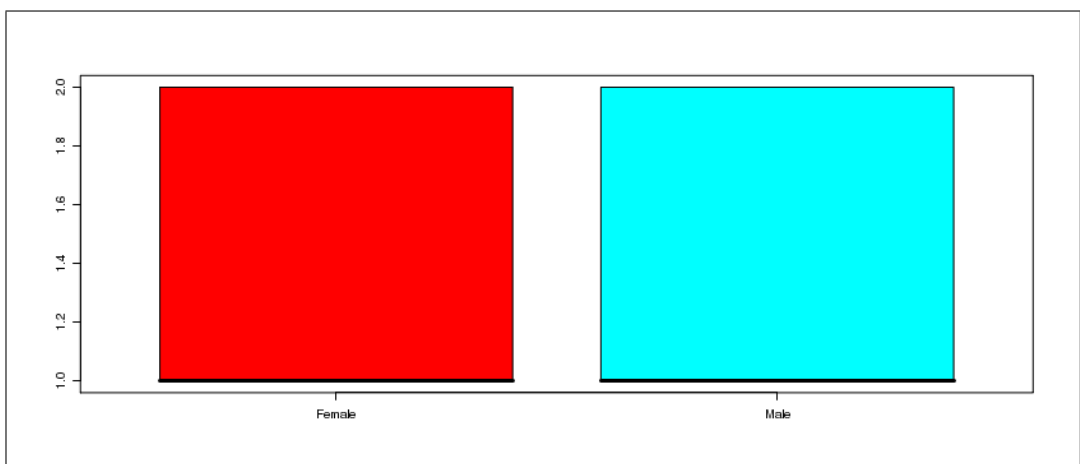
Barplot: CREATININE (by Gender)



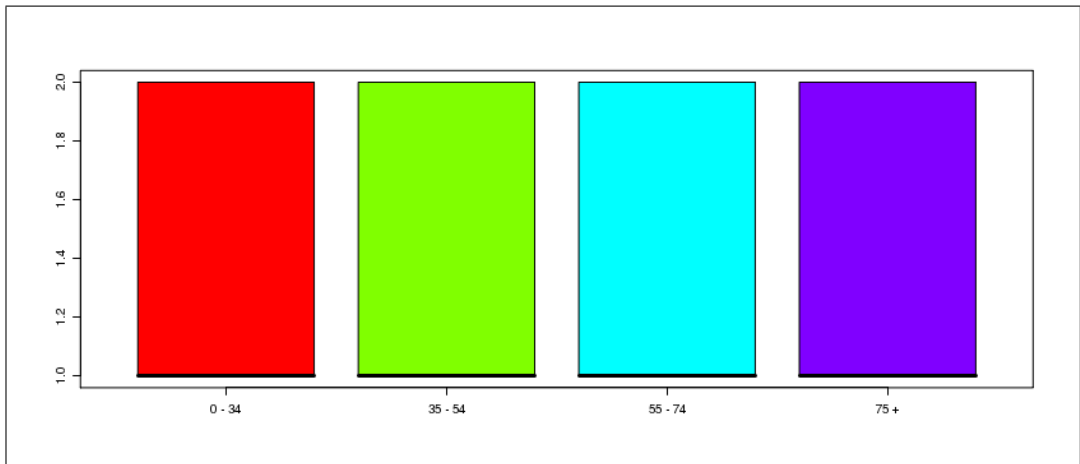
Barplot: CREATININE (by Age Classes)



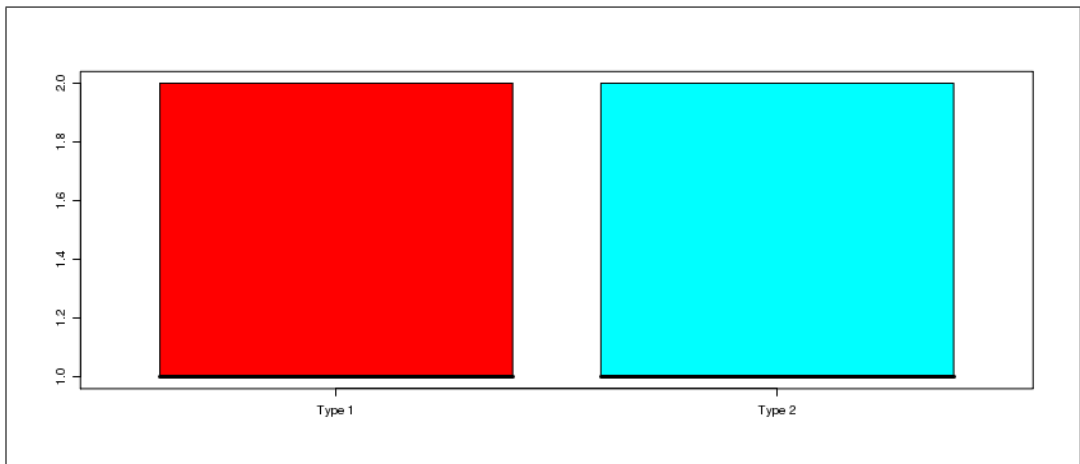
Barplot: CREATININE (by Type of Diabetes)



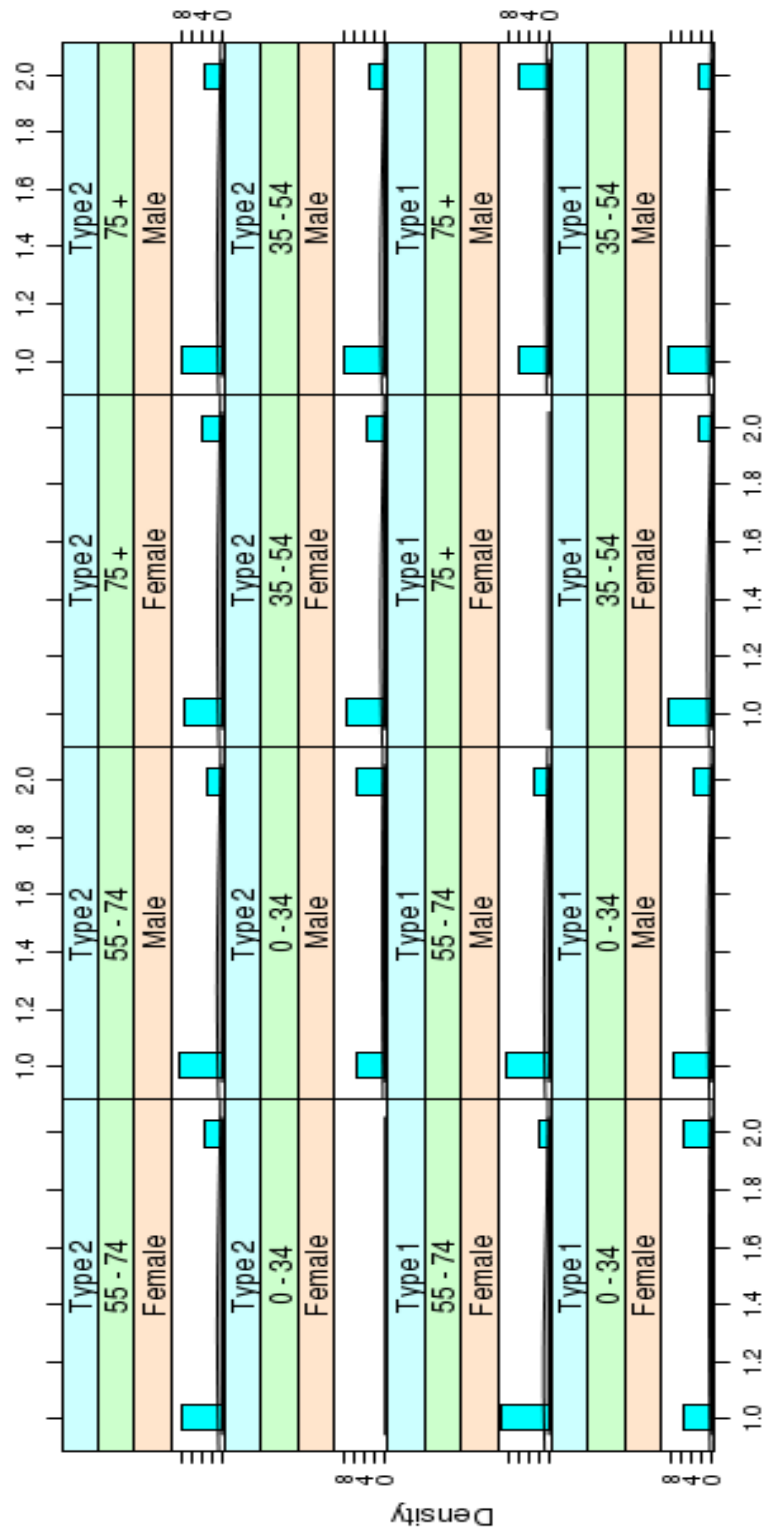
Boxplot: CREATININE (by Gender)



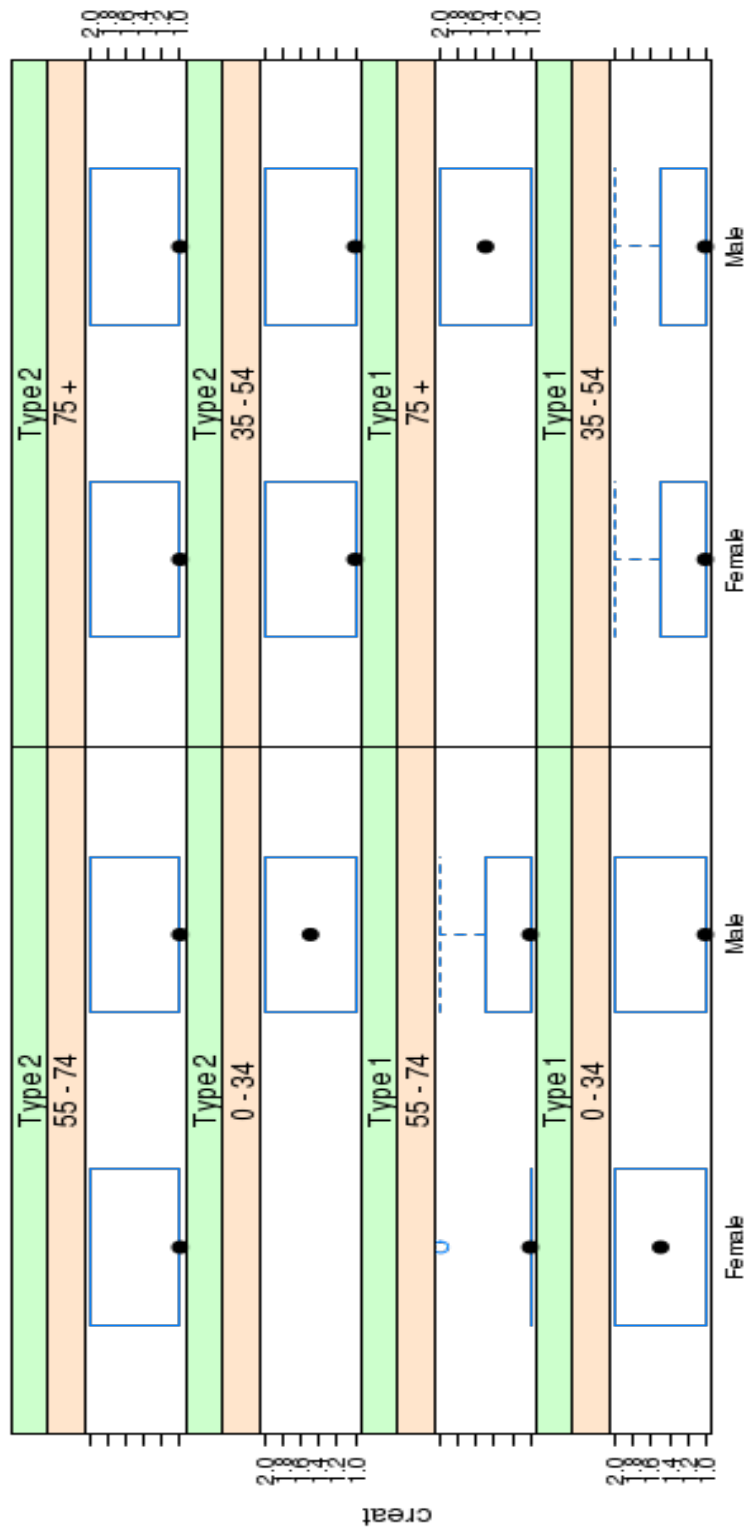
Boxplot: CREATININE (by Age Classes)



Boxplot: CREATININE (by Type of Diabetes)



Trellis density plot: CREATININE (by Gender, Age Classes, Type of Diabetes)



Trellis boxplot: CREATININE (by Gender, Age Classes, Type of Diabetes)

2.2.3.6. HbA1c (last episode in 12 months)

Reference Date: 31/12/2002

HbA1c	Type 1											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 6	1 (12.5)	7 (87.5)	8	5 (62.5)	3 (37.5)	8	5 (62.5)	3 (37.5)	8	0 (0)	1 (100)	1 25
7 - 7	0 (0)	0 (0)	0	3 (60)	2 (40)	5	1 (33.33)	2 (66.67)	3	0 (0)	0 (0)	0 8
8 +	1 (16.67)	5 (83.33)	6	7 (77.78)	2 (22.22)	9	0 (0)	3 (100)	3	0 (0)	1 (100)	1 19
	2	12		15	7		6	8		0	2	52

chitab C-M-H Chi-Squared Test

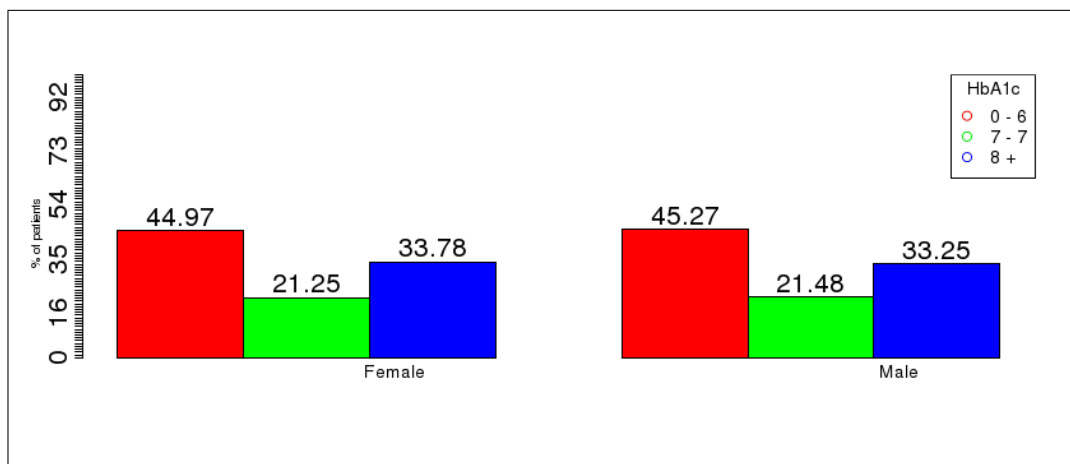
1 One or more cells have less than 2 obs

HbA1c	Type 2											
	0 - 34			35 - 54			55 - 74			75 +		
	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT	Female (%)	Male (%)	PT
0 - 6	0 (0)	1 (100)	1	35 (31.53)	76 (68.47)	111	258 (45.83)	305 (54.17)	563	170 (55.74)	135 (44.26)	305 980
7 - 7	0 (0)	0 (0)	0	13 (27.08)	35 (72.92)	48	126 (45.65)	150 (54.35)	276	81 (56.25)	63 (43.75)	144 468
8 +	0 (0)	1 (100)	1	35 (38.04)	57 (61.96)	92	210 (48.17)	226 (51.83)	436	103 (52.02)	95 (47.98)	198 727
	0	2		83	168		594	681		354	293	2175

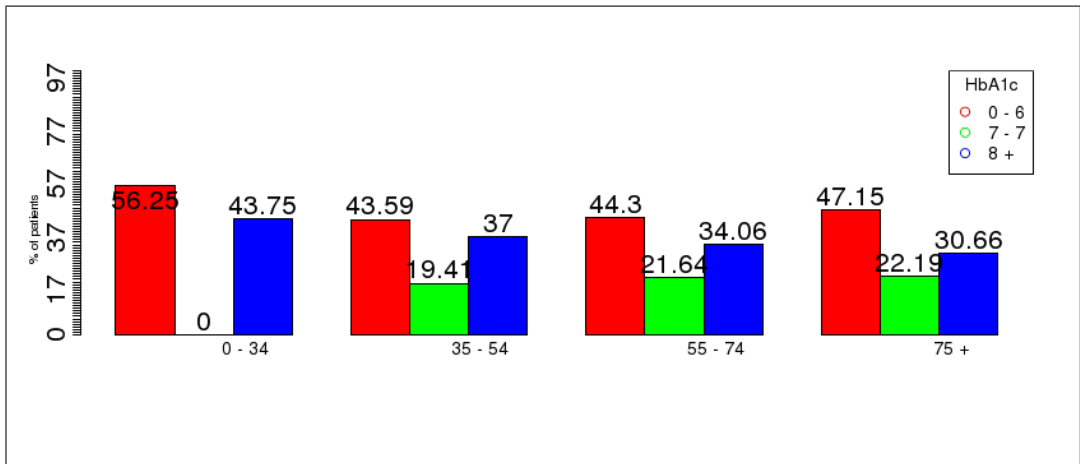
HbA1c (by Gender, Age Classes, Type of Diabetes)

chitab C-M-H Chi-Squared Test

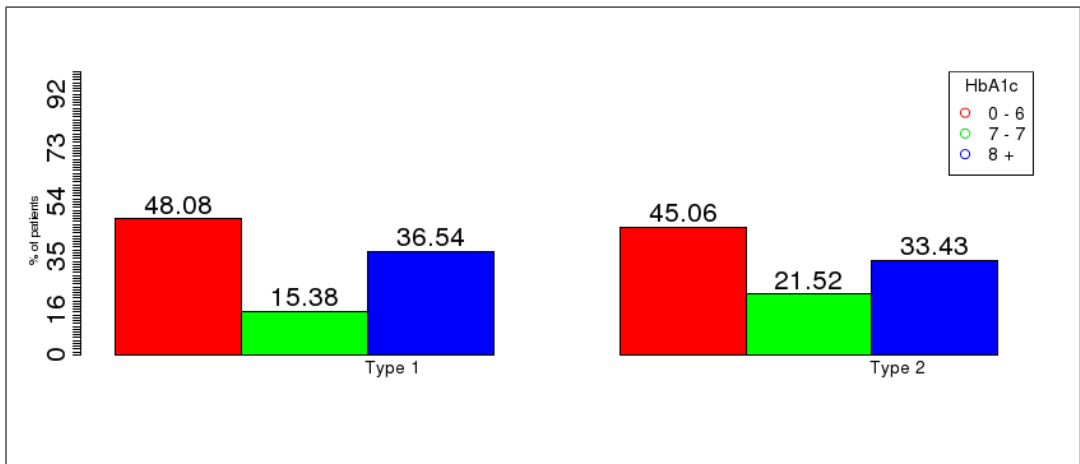
1 One or more cells have less than 2 obs



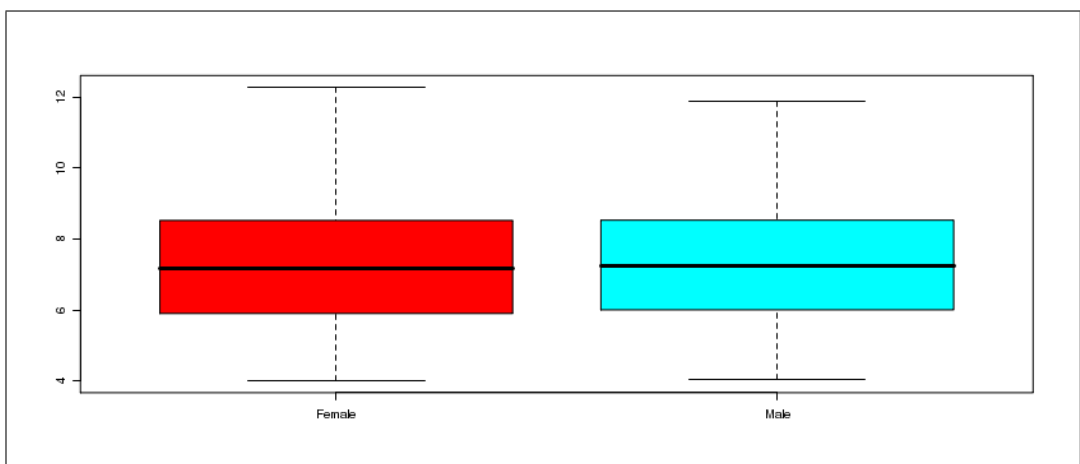
Barplot: HbA1c (by Gender)



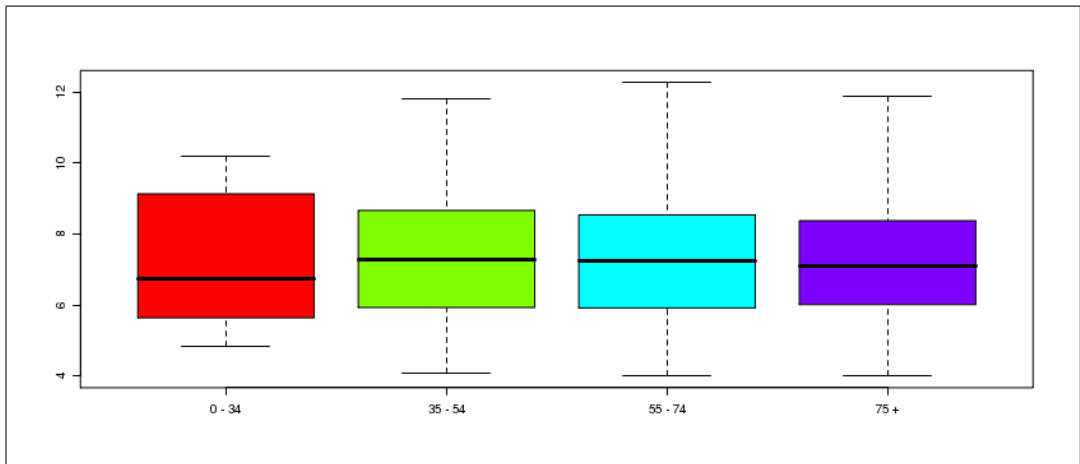
Barplot: HbA1c (by Age Classes)



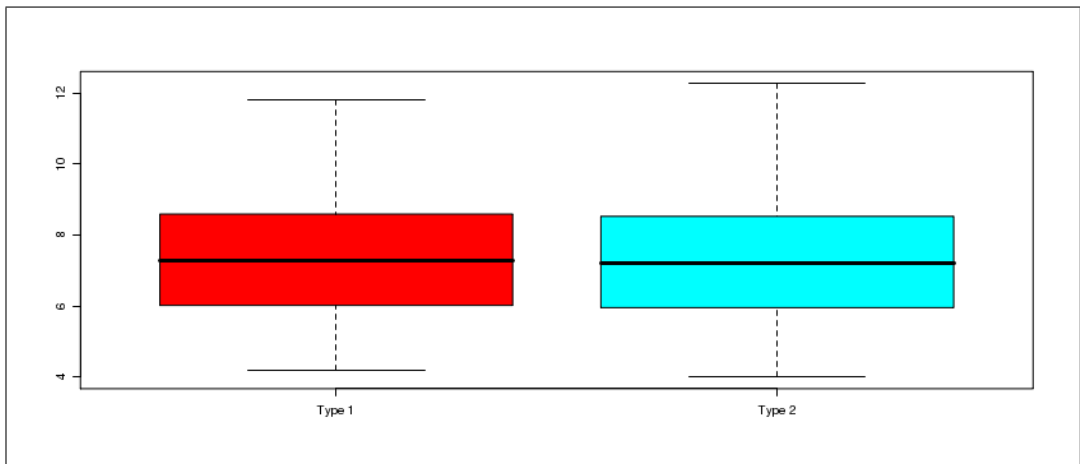
Barplot: HbA1c (by Type of Diabetes)



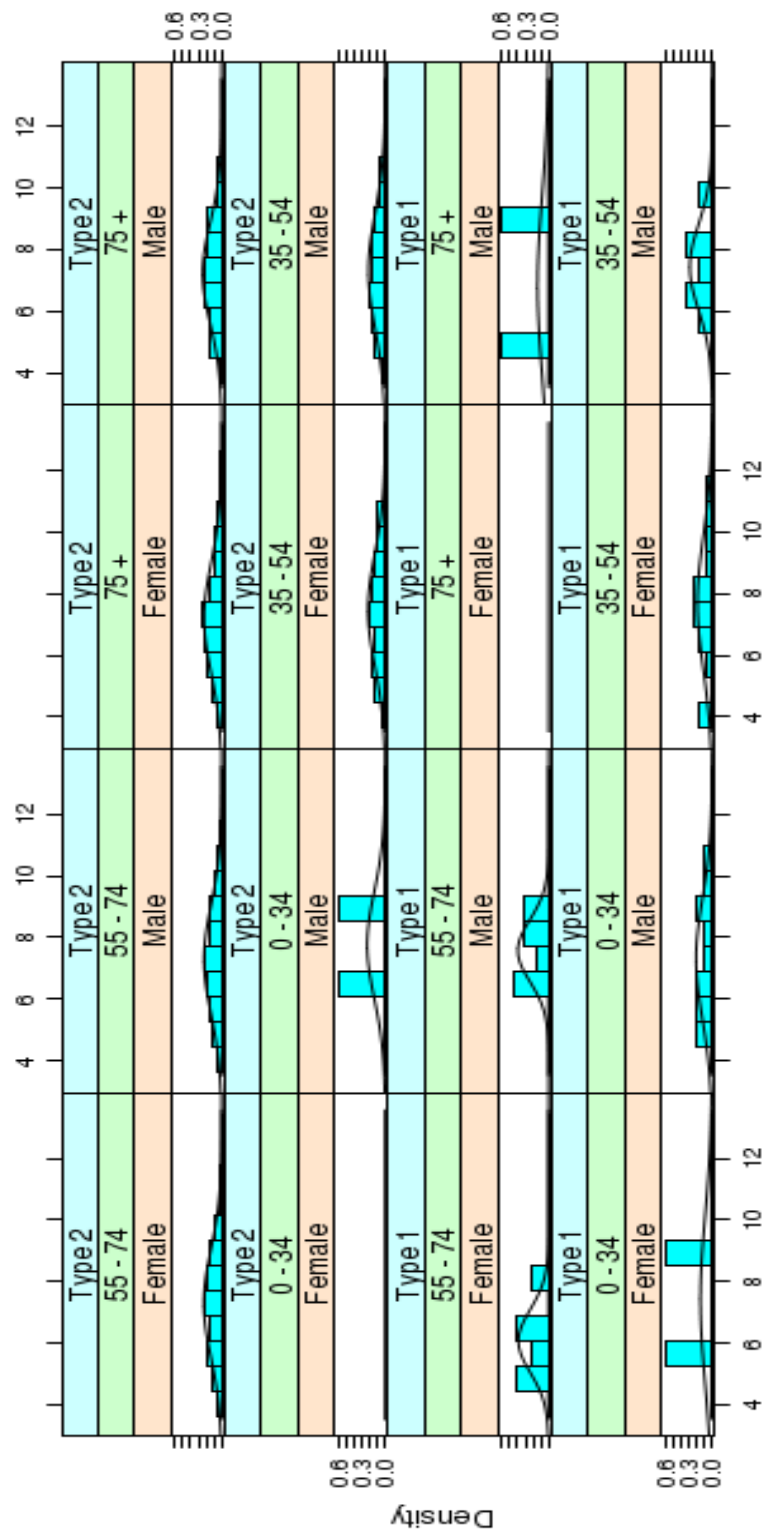
Boxplot: HbA1c (by Gender)



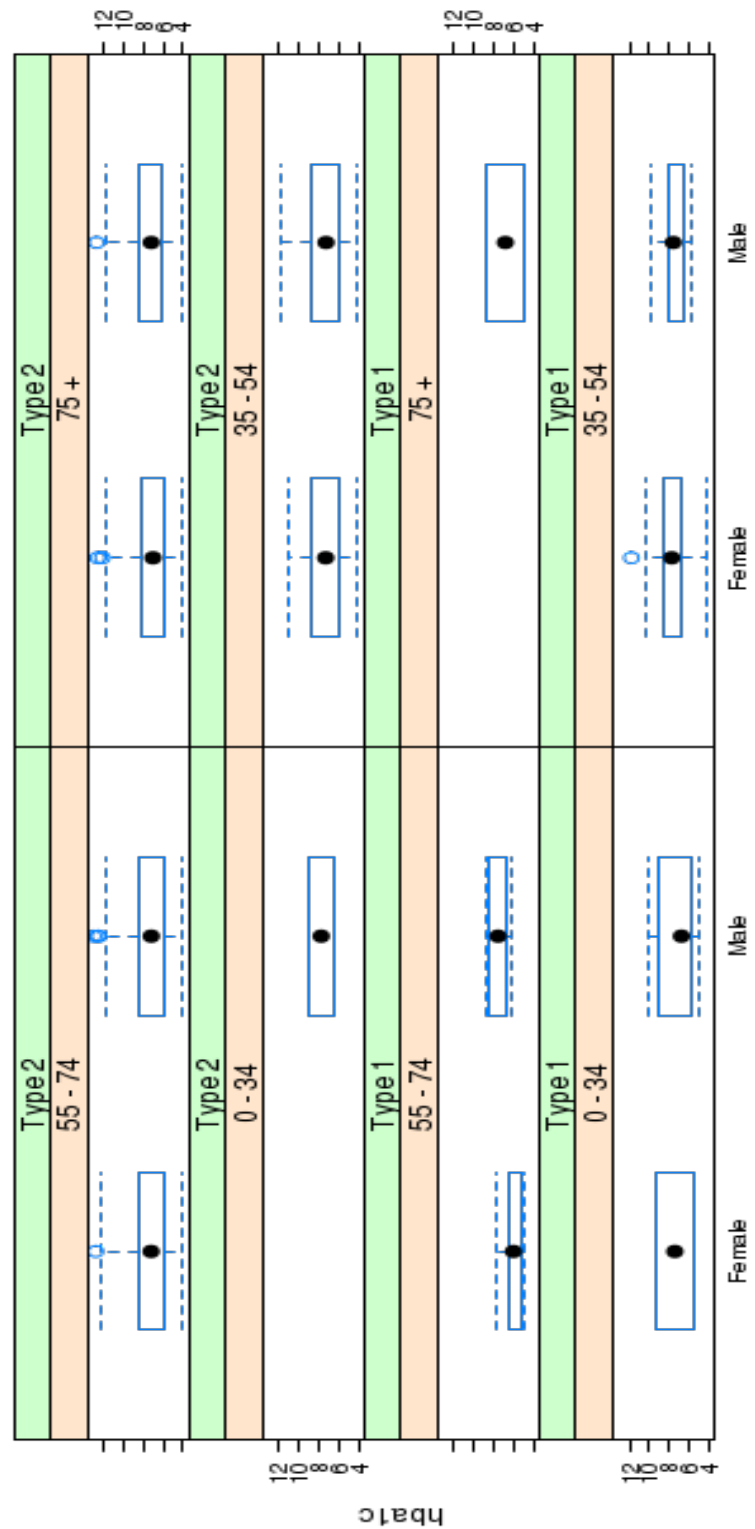
Boxplot: HbA1c (by Age Classes)



Boxplot: HbA1c (by Type of Diabetes)



Trellis density plot: HbA1c (by Gender, Age Classes, Type of Diabetes)



Trellis boxplot: HbA1c (by Gender, Age Classes, Type of Diabetes)

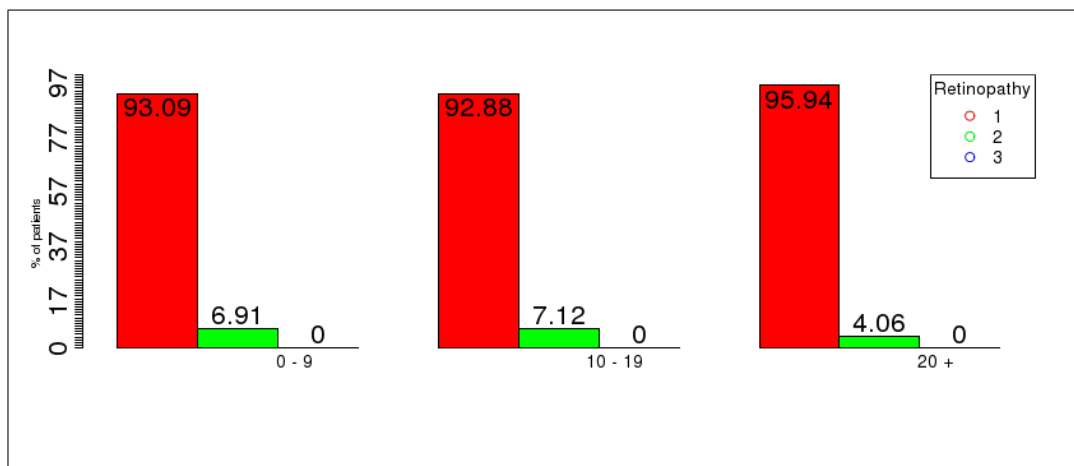
2.3. Diabetes complications

2.3.1. Retinopathy (first episode in 12 months)

Reference Date: 31/12/2002

Retinopathy	0 - 9 (%)	10 - 19 (%)	20 + (%)	PT	
No Retinopathy	1145 (52.98)	496 (22.95)	520 (24.06)	2161	2161
Background Retinopathy	85 (58.62)	38 (26.21)	22 (15.17)	145	145
Referable Retinopathy	0 (0)	0 (0)	0 (0)	0	0
	1230	534	542		2306

Retinopathy (by Duration)



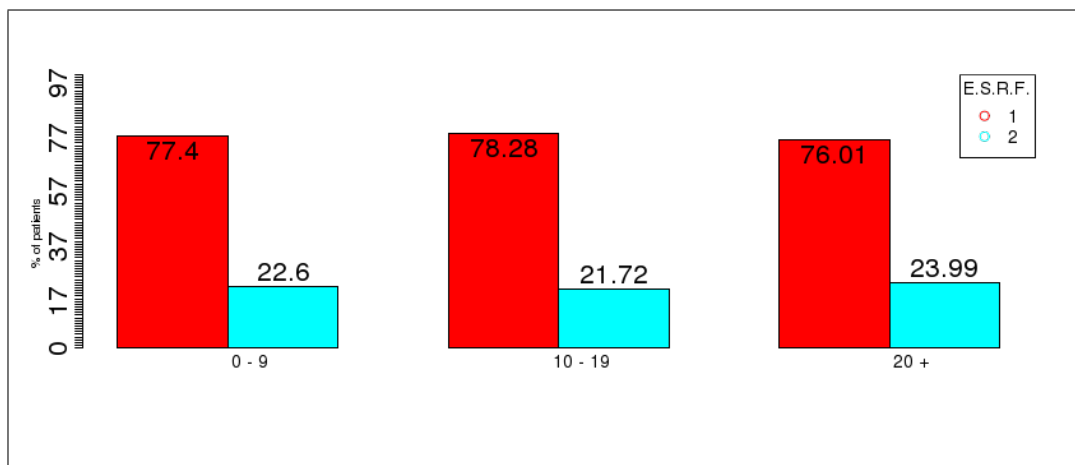
Barplot: Retinopathy (by Duration)

2.3.2. End stage renal failure (first episode in 12 months)

Reference Date: 31/12/2002

E.S.R.F.	0 - 9 (%)	10 - 19 (%)	20 + (%)	PT	
Yes	952 (53.42)	418 (23.46)	412 (23.12)	1782	1782
No	278 (53.05)	116 (22.14)	130 (24.81)	524	524
	1230	534	542		2306

E.S.R.F. (by Duration)



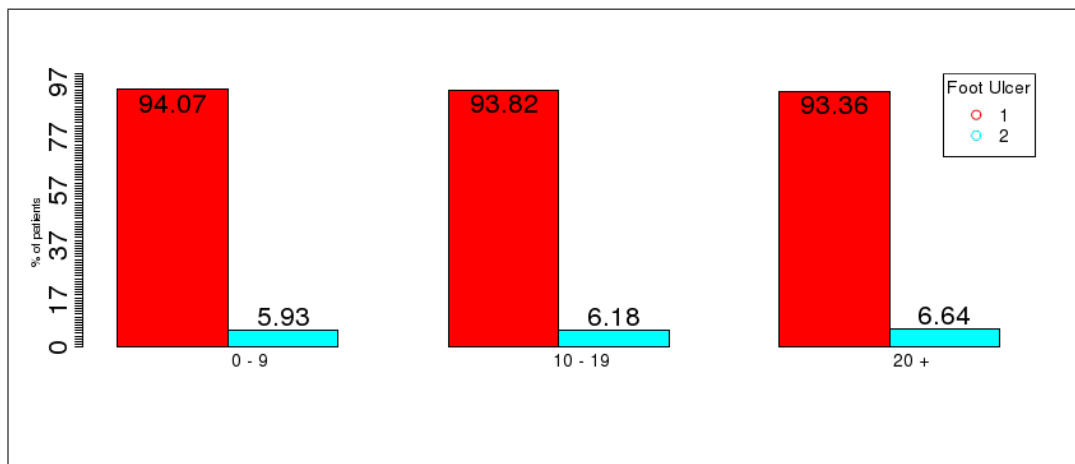
Barplot: E.S.R.F. (by Duration)

2.3.3. Foot ulcer (first episode in 12 months)

Reference Date: 31/12/2002

Foot Ulcer	0 - 9 (%)	10 - 19 (%)	20 + (%)	PT	
Yes	1157 (53.47)	501 (23.15)	506 (23.38)	2164	2164
No	73 (51.41)	33 (23.24)	36 (25.35)	142	142
	1230	534	542		2306

Foot Ulcer (by Duration)



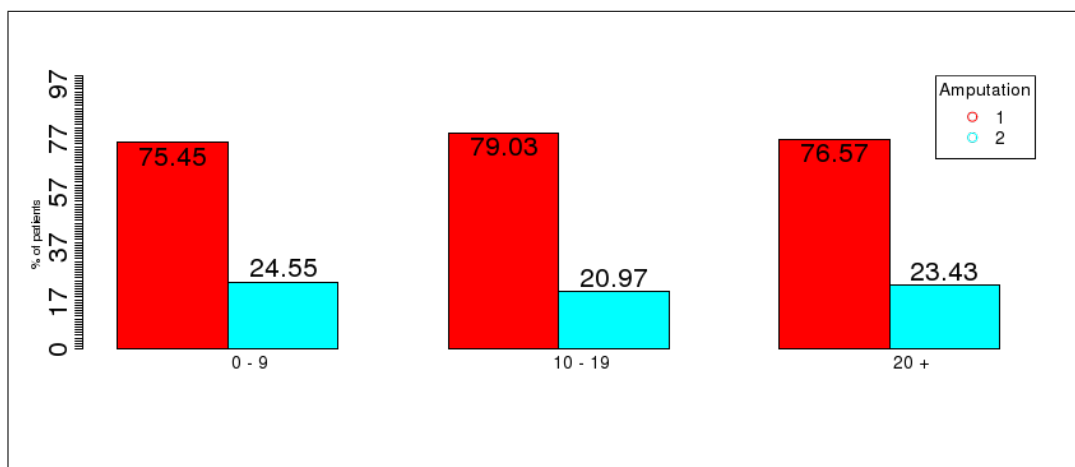
Barplot: Foot Ulcer (by Duration)

2.3.4. Amputation (first episode in 12 months)

Reference Date: 31/12/2002

Amputation	0 - 9 (%)	10 - 19 (%)	20 + (%)	PT	
Yes	928 (52.58)	422 (23.91)	415 (23.51)	1765	1765
No	302 (55.82)	112 (20.7)	127 (23.48)	541	541
	1230	534	542		2306

Amputation (by Duration)



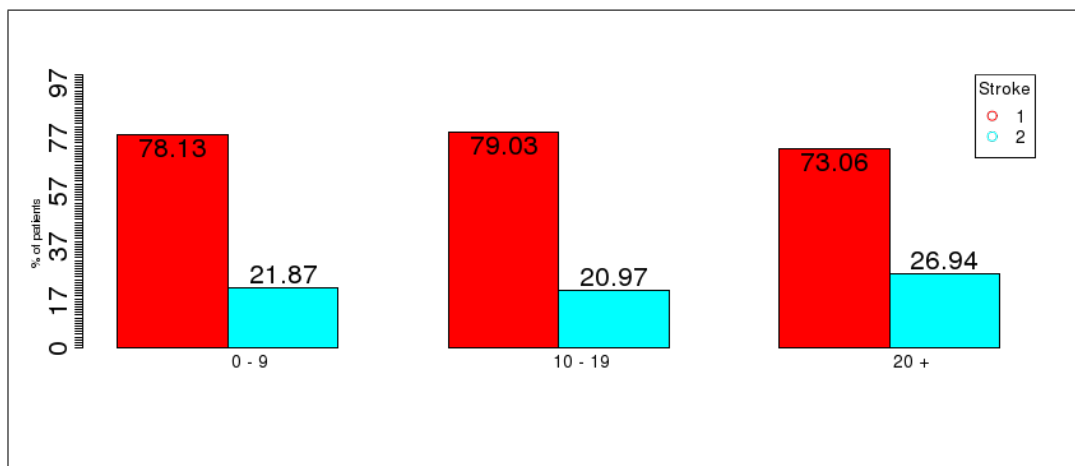
Barplot: Amputation (by Duration)

2.3.5. Stroke (first episode in 12 months)

Reference Date: 31/12/2002

Stroke	0 - 9 (%)	10 - 19 (%)	20 + (%)	PT	
Yes	961 (54.02)	422 (23.72)	396 (22.26)	1779	1779
No	269 (51.04)	112 (21.25)	146 (27.7)	527	527
	1230	534	542		2306

Stroke (by Duration)



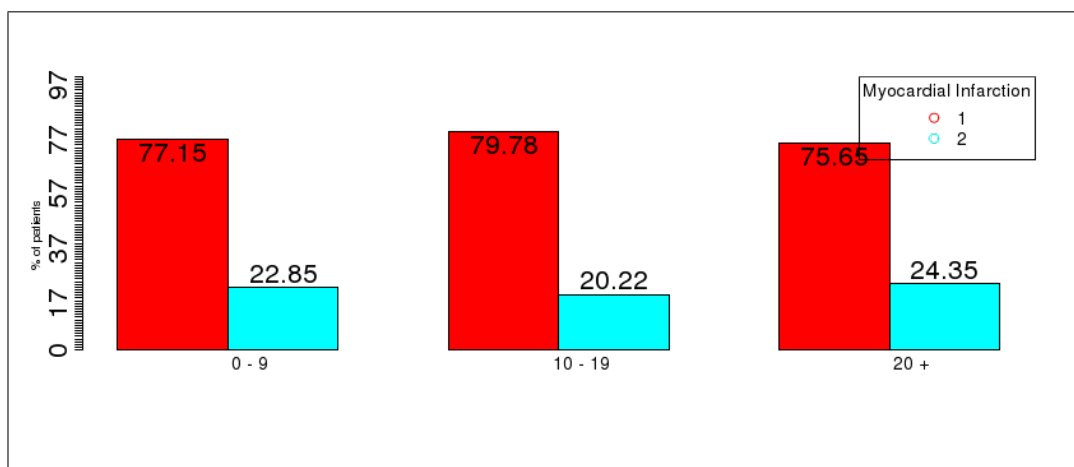
Barplot: Stroke (by Duration)

2.3.6. Myocardial infarction (first episode in 12 months)

Reference Date: 31/12/2002

Myocardial Infarction	0 - 9 (%)	10 - 19 (%)	20 + (%)	PT	
Yes	949 (53.17)	426 (23.87)	410 (22.97)	1785	1785
No	281 (53.93)	108 (20.73)	132 (25.34)	521	521
	1230	534	542		2306

Myocardial Infarction (by Duration)



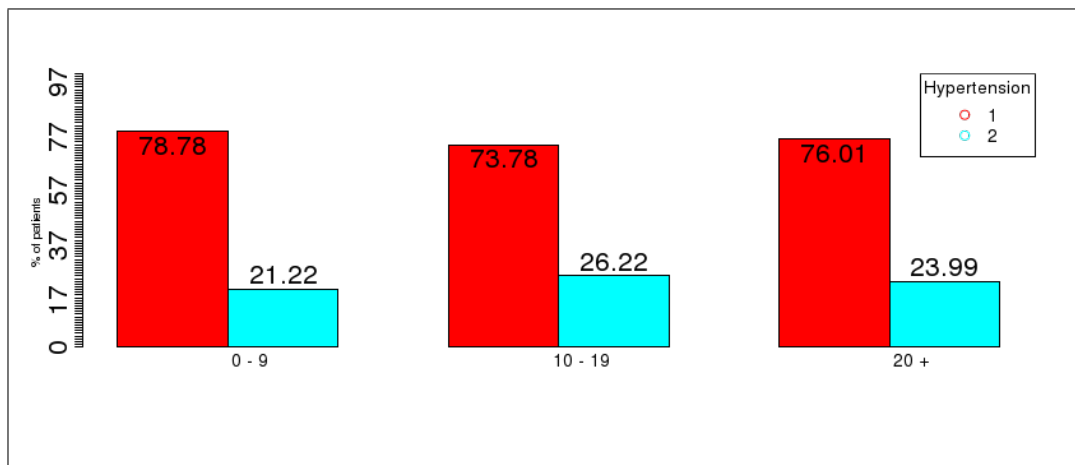
Barplot: Myocardial Infarction (by Duration)

2.3.7. Hypertension (first episode in 12 months)

Reference Date: 31/12/2002

Hypertension	0 - 9 (%)	10 - 19 (%)	20 + (%)	PT	
Yes	969 (54.59)	394 (22.2)	412 (23.21)	1775	1775
No	261 (49.15)	140 (26.37)	130 (24.48)	531	531
	1230	534	542		2306

Hypertension (by Duration)



Barplot: Hypertension (by Duration)

Chapter 3

Health System

3.1. Structure (provider level)

3.1.1 Type of Provider

Reference Date: 31/12/2002

data	centre_id	type
	rrdmcentre2	1

3.1.2 Average diabetes population per center

Reference Date: 31/12/2002

data	sex	ageband	type_dm	n
1	Male	0 - 4	Type 1	350
2	Female	0 - 4	Type 1	1200

3.2. Structural quality

3.2.1 Hospital beds per 100,000 population

Reference Date: 31/12/2002

data	year	beds	pop	rate
	2002	1	872967	0.11

3.2.2 Physicians employed per 100,000 population

Reference Date: 31/12/2002

data	year	ds_physicians	pop	rate
	2002	1	872967	0.11

3.3. Processes (individual level)

3.3.1. Foot examination

Reference Date: 31/12/2002

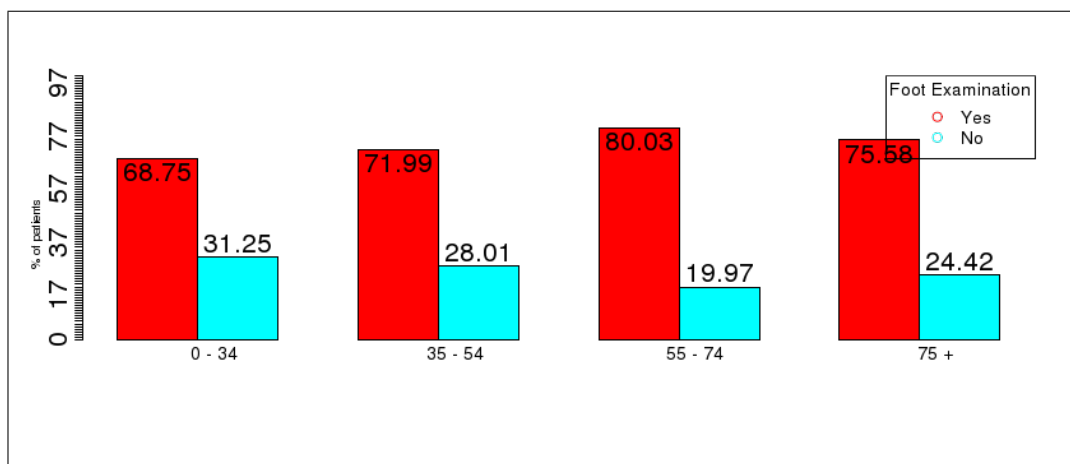
3.3.1.1 Done (last episode in 12 months)

Reference Date: 31/12/2002

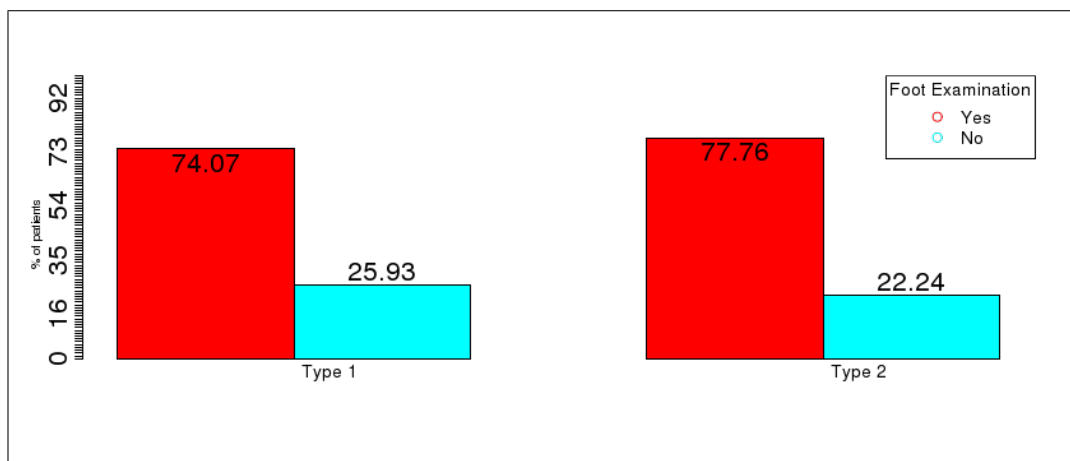
Foot Examination	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	11 (27.5)	15 (37.5)	12 (30)	2 (5)	40	40
No	3 (21.43)	9 (64.29)	2 (14.29)	0 (0)	14	14
	14	24	14	2		54

Foot Examination	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	0 (0)	188 (10.6)	1070 (60.35)	515 (29.05)	1773	1773
No	2 (0.39)	70 (13.81)	268 (52.86)	167 (32.94)	507	507
	2	258	1338	682		2280

Foot Examination (by Age Classes,Type of Diabetes)



Barplot: Foot Examination (by Age Classes)



Barplot: Foot Examination (by Type of Diabetes)

3.3.2. Eye examination

Reference Date: 31/12/2002

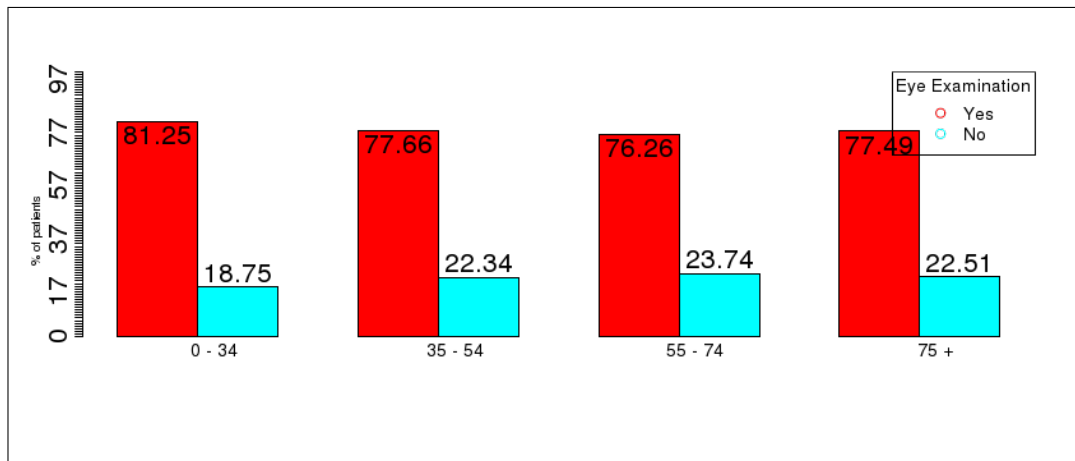
3.3.2.1 Done (last episode in 12 months)

Reference Date: 31/12/2002

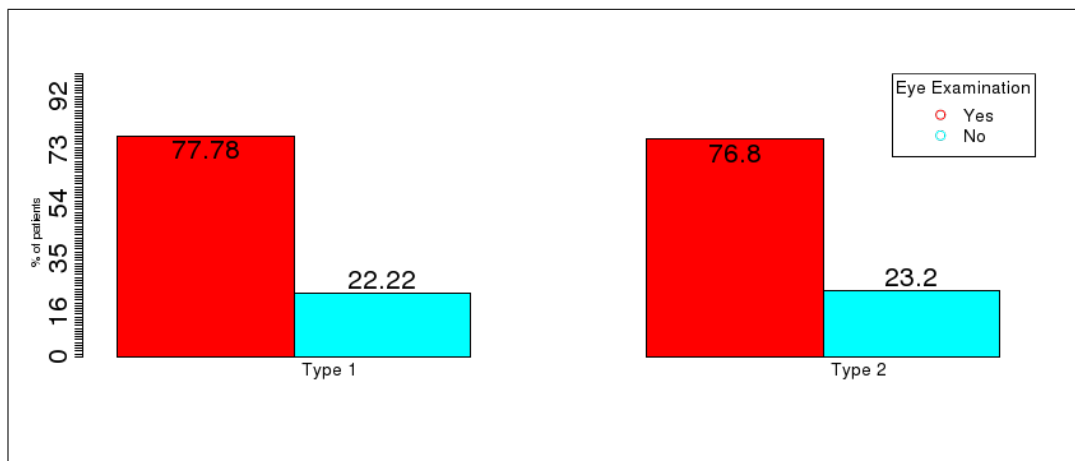
Eye Examination	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	11 (26.19)	15 (35.71)	14 (33.33)	2 (4.76)	42	42
No	3 (25)	9 (75)	0 (0)	0 (0)	12	12
	14	24	14	2		54

Eye Examination	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	2 (0.11)	204 (11.65)	1017 (58.08)	528 (30.15)	1751	1751
No	0 (0)	54 (10.21)	321 (60.68)	154 (29.11)	529	529
	2	258	1338	682		2280

Eye Examination (by Age Classes,Type of Diabetes)



Barplot: Eye Examination (by Age Classes)



Barplot: Eye Examination (by Type of Diabetes)

3.3.3 Measurements examination

Reference Date: 31/12/2002

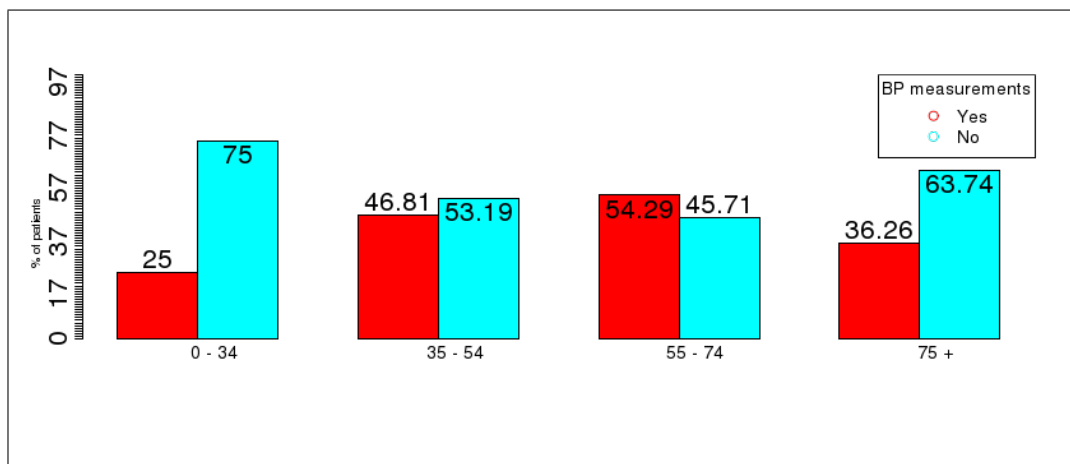
3.3.3.1 BP (last episode in 12 months)

Reference Date: 31/12/2002

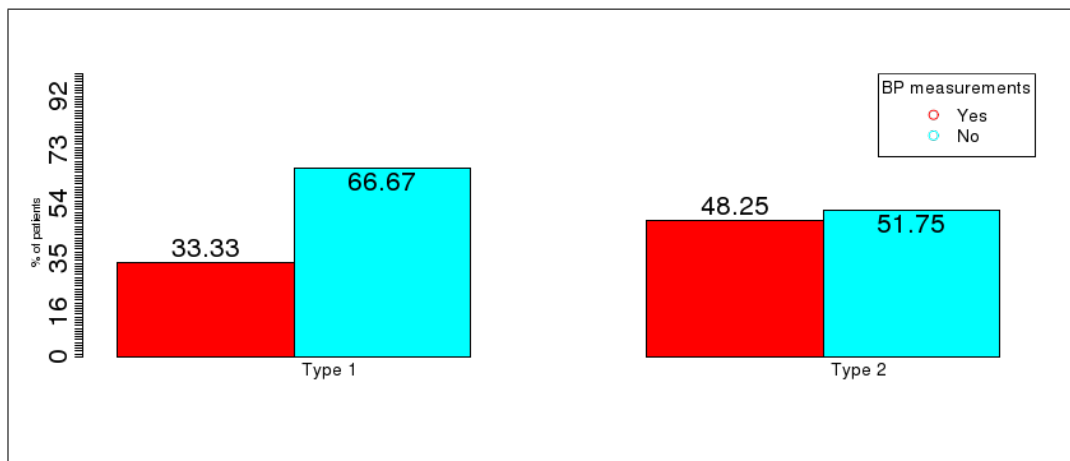
BP measurements	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	4 (22.22)	6 (33.33)	8 (44.44)	0 (0)	18	18
No	10 (27.78)	18 (50)	6 (16.67)	2 (5.56)	36	36
	14	24	14	2		54

BP measurements	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	0 (0)	126 (11.45)	726 (66)	248 (22.55)	1100	1100
No	2 (0.17)	132 (11.19)	612 (51.86)	434 (36.78)	1180	1180
	2	258	1338	682		2280

BP measurements (by Age Classes,Type of Diabetes)



Barplot: BP measurements (by Age Classes)



Barplot: BP measurements (by Type of Diabetes)

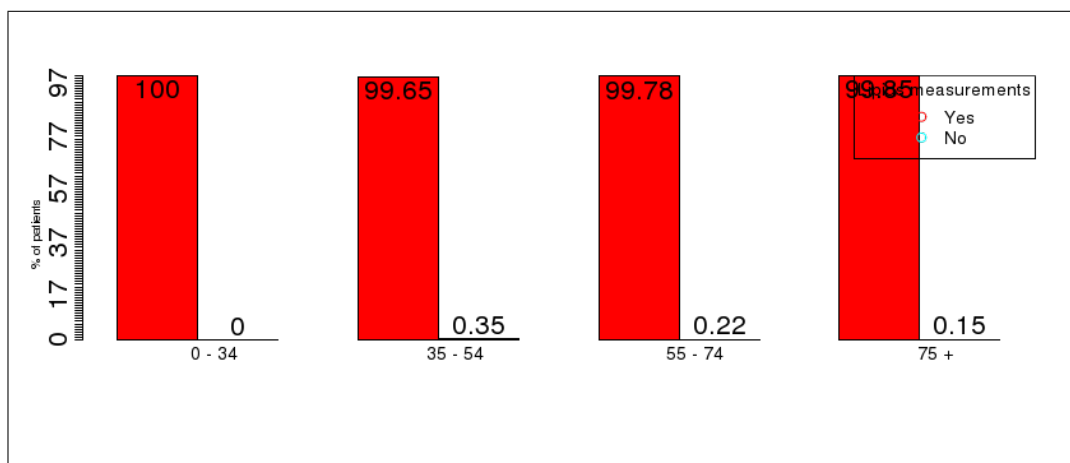
3.3.3.2 Lipids

Reference Date: 31/12/2002

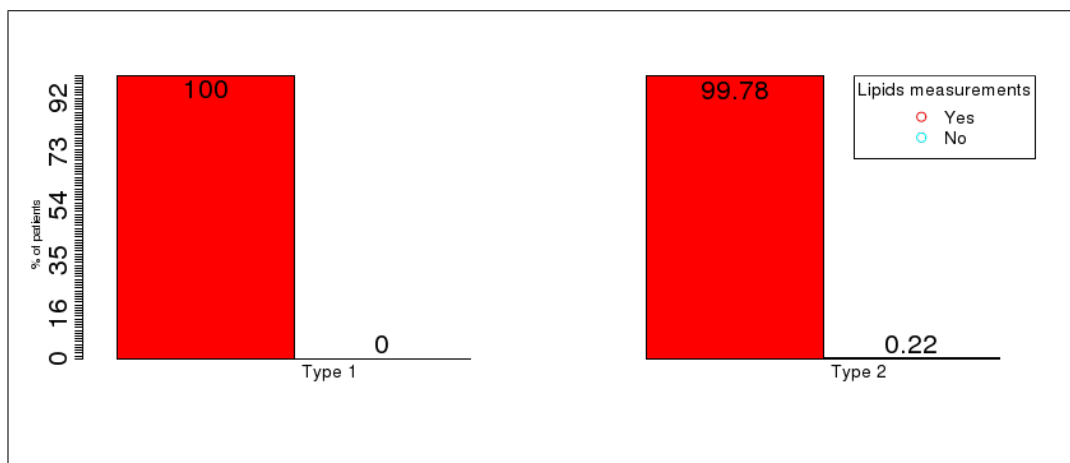
Lipids measurements	Type 1					PT	
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)			
Yes	14 (25.93)	24 (44.44)	14 (25.93)	2 (3.7)	54	54	
No	0 (0)	0 (0)	0 (0)	0 (0)	0	0	
	14	24	14	2		54	

Lipids measurements	Type 2					PT	
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)			
Yes	2 (0.09)	257 (11.3)	1335 (58.68)	681 (29.93)	2275	2275	
No	0 (0)	1 (20)	3 (60)	1 (20)	5	5	
	2	258	1338	682		2280	

Lipids measurements (by Age Classes,Type of Diabetes)



Barplot: Lipids measurements (by Age Classes)



Barplot: Lipids measurements (by Type of Diabetes)

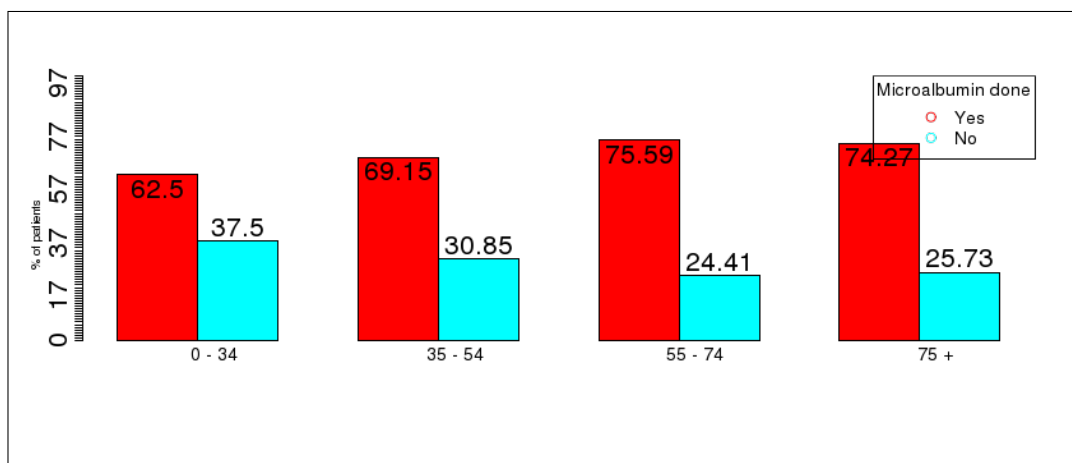
3.3.3.3 Microalbumin (last episode in 12 months)

Reference Date: 31/12/2002

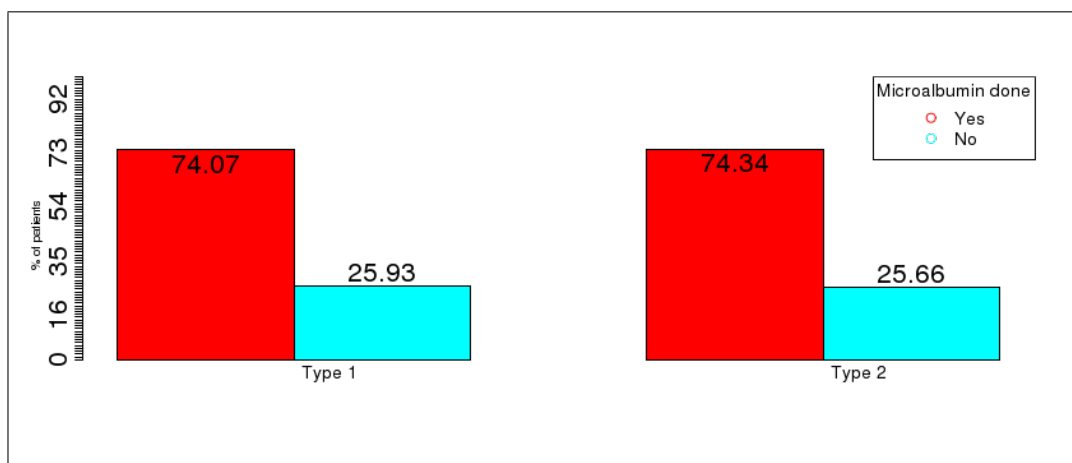
Microalbumin done	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	9 (22.5)	18 (45)	11 (27.5)	2 (5)	40	40
No	5 (35.71)	6 (42.86)	3 (21.43)	0 (0)	14	14
	14	24	14	2		54

Microalbumin done	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	1 (0.06)	177 (10.44)	1011 (59.65)	506 (29.85)	1695	1695
No	1 (0.17)	81 (13.85)	327 (55.9)	176 (30.09)	585	585
	2	258	1338	682		2280

Microalbumin done (by Age Classes,Type of Diabetes)



Barplot: Microalbumin done (by Age Classes)



Barplot: Microalbumin done (by Type of Diabetes)

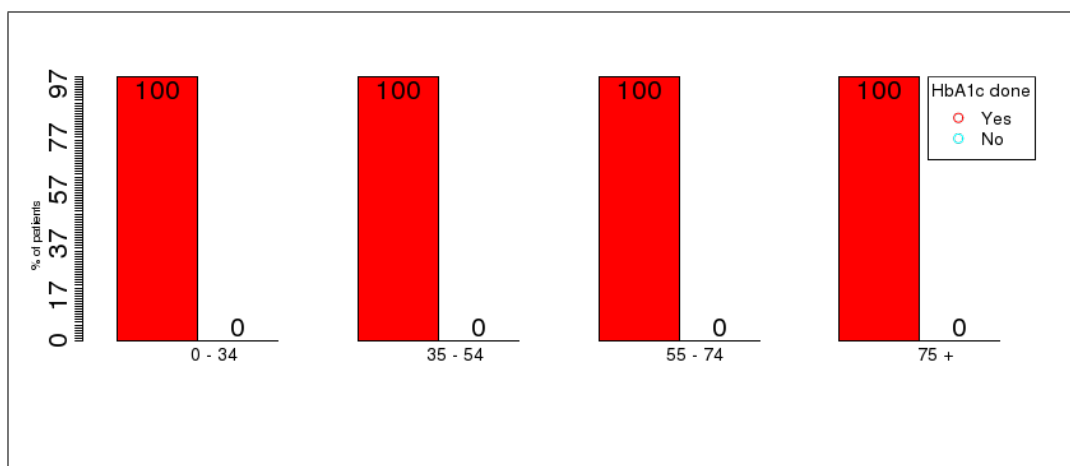
3.3.3.4 HbA1c (last episode in 12 months)

Reference Date: 31/12/2002

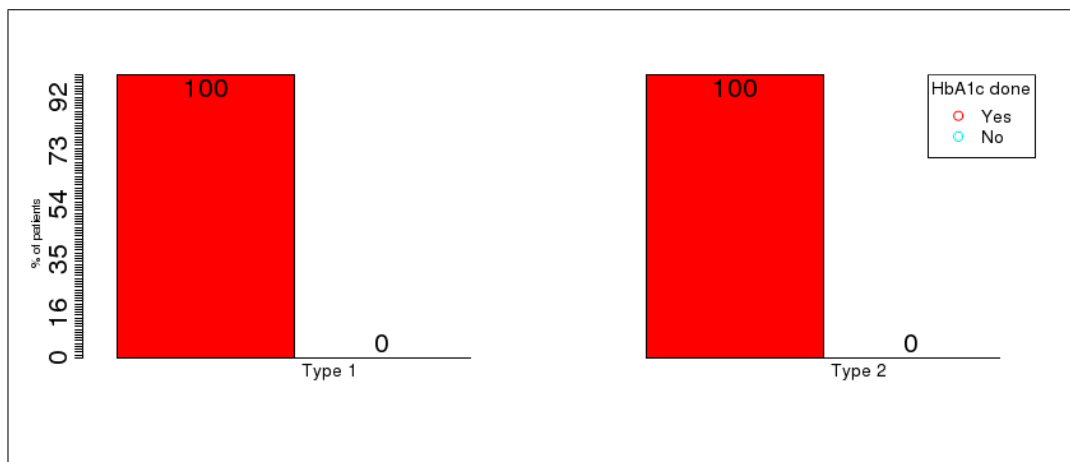
HbA1c done	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	14 (26.92)	22 (42.31)	14 (26.92)	2 (3.85)	52	52
No	0 (0)	0 (0)	0 (0)	0 (0)	0	0
	14	22	14	2		52

HbA1c done	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	2 (0.09)	251 (11.54)	1275 (58.62)	647 (29.75)	2175	2175
No	0 (0)	0 (0)	0 (0)	0 (0)	0	0
	2	251	1275	647		2175

HbA1c done (by Age Classes,Type of Diabetes)



Barplot: HbA1c done (by Age Classes)



Barplot: HbA1c done (by Type of Diabetes)

3.3.4 Treatment

Reference Date: 31/12/2002

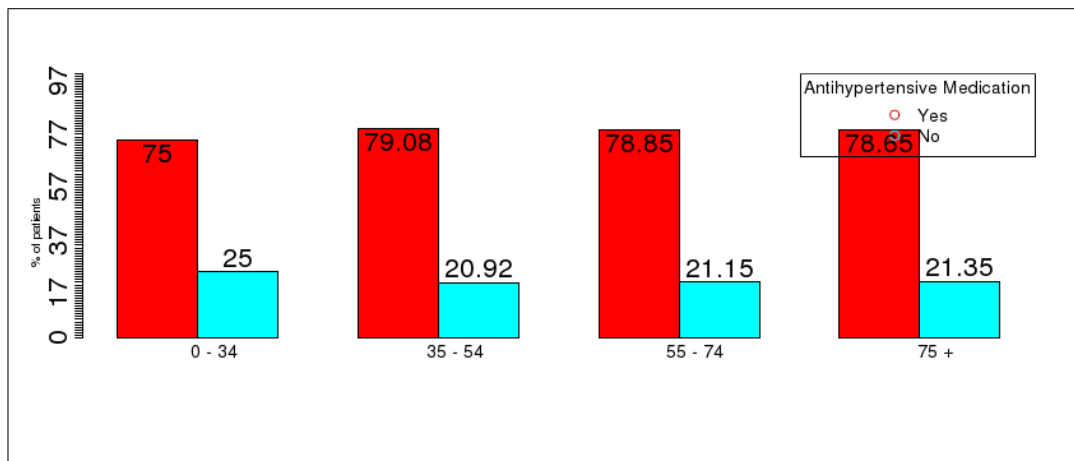
3.3.4.1 Antihypertensive Medication (last episode in 12 months)

Reference Date: 31/12/2002

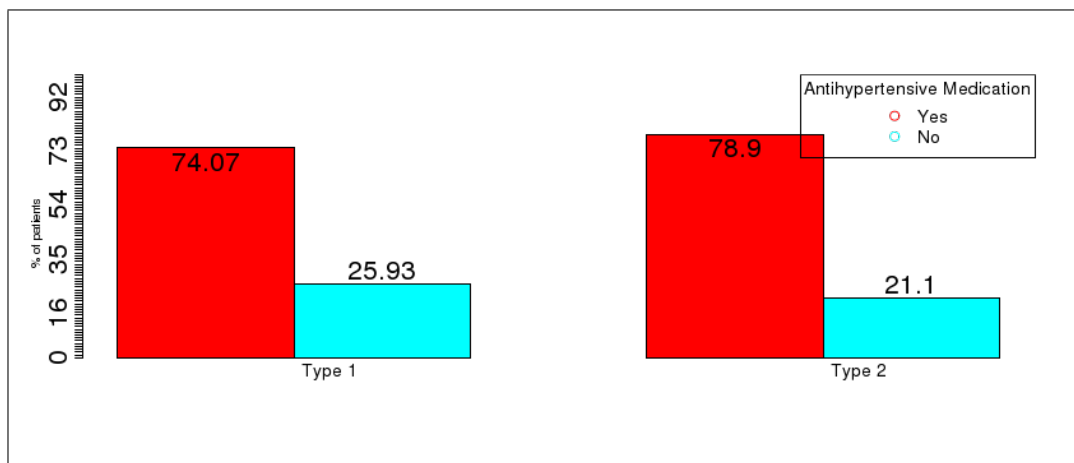
Antihypertensive Medication	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	11 (27.5)	16 (40)	11 (27.5)	2 (5)	40	40
No	3 (21.43)	8 (57.14)	3 (21.43)	0 (0)	14	14
	14	24	14	2		54

Antihypertensive Medication	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	1 (0.06)	207 (11.51)	1055 (58.64)	536 (29.79)	1799	1799
No	1 (0.21)	51 (10.6)	283 (58.84)	146 (30.35)	481	481
	2	258	1338	682		2280

Antihypertensive Medication (by Age Classes,Type of Diabetes)



Barplot: Antihypertensive Medication (by Age Classes)



Barplot: Antihypertensive Medication (by Type of Diabetes)

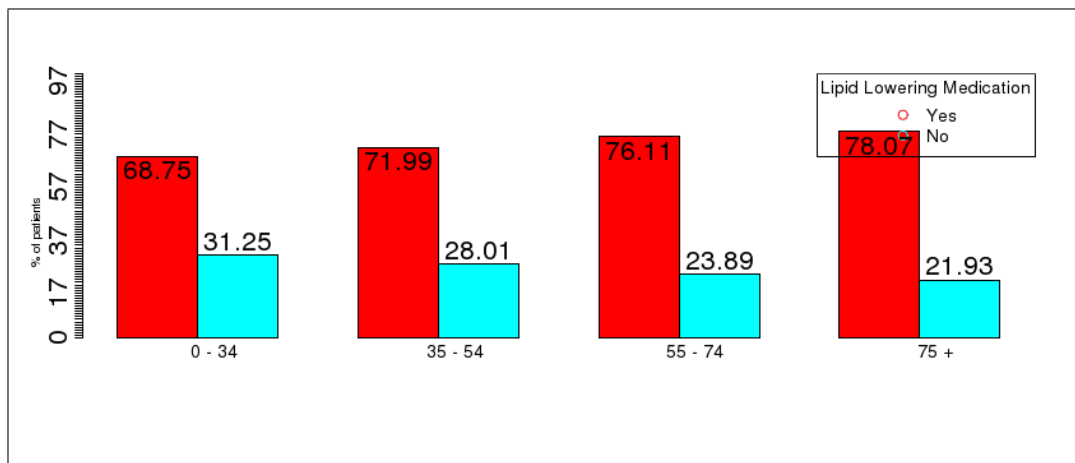
3.3.4.2 Lipid Lowering Medication (last episode in 12 months)

Reference Date: 31/12/2002

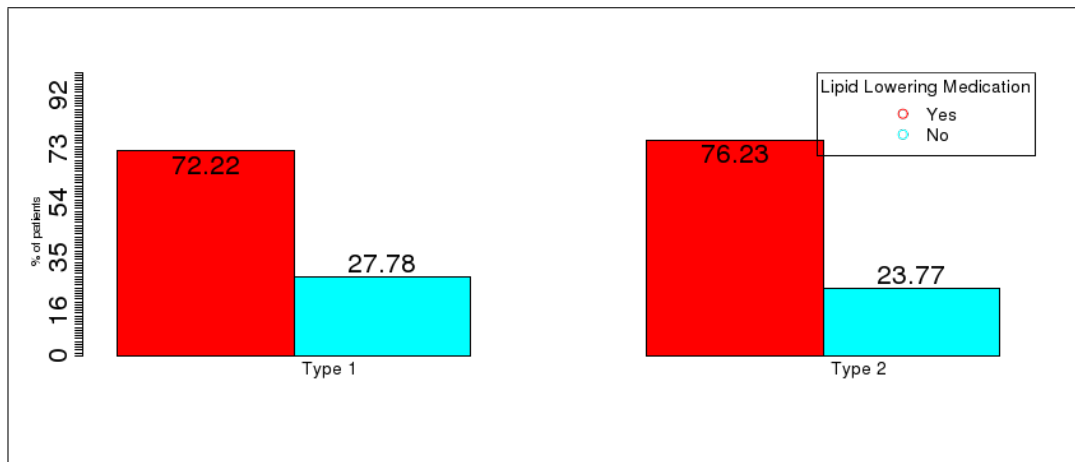
Lipid Lowering Medication	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	9 (23.08)	16 (41.03)	13 (33.33)	1 (2.56)	39	39
No	5 (33.33)	8 (53.33)	1 (6.67)	1 (6.67)	15	15
	14	24	14	2		54

Lipid Lowering Medication	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	2 (0.12)	187 (10.76)	1016 (58.46)	533 (30.67)	1738	1738
No	0 (0)	71 (13.1)	322 (59.41)	149 (27.49)	542	542
	2	258	1338	682		2280

Lipid Lowering Medication (by Age Classes,Type of Diabetes)



Barplot: Lipid Lowering Medication (by Age Classes)



Barplot: Lipid Lowering Medication (by Type of Diabetes)

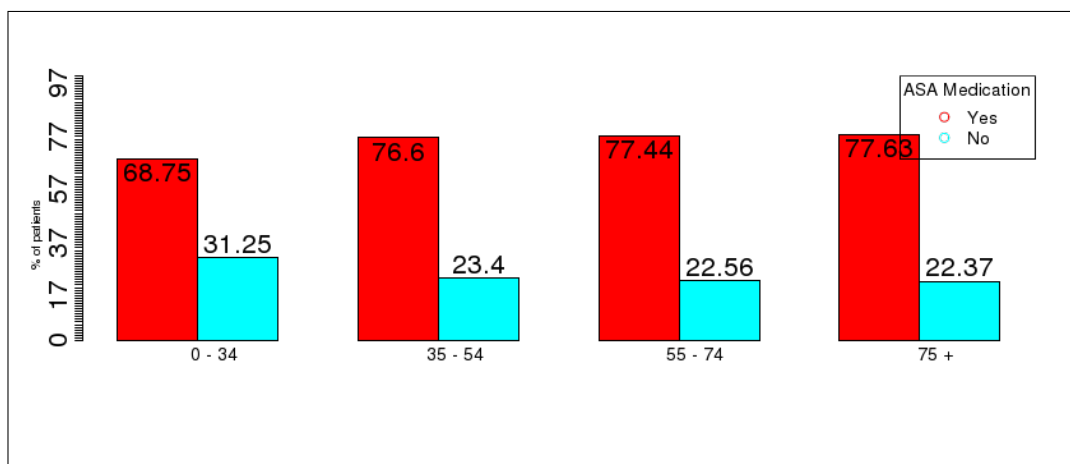
3.3.4.3 ASA Medication (last episode in 12 months)

Reference Date: 31/12/2002

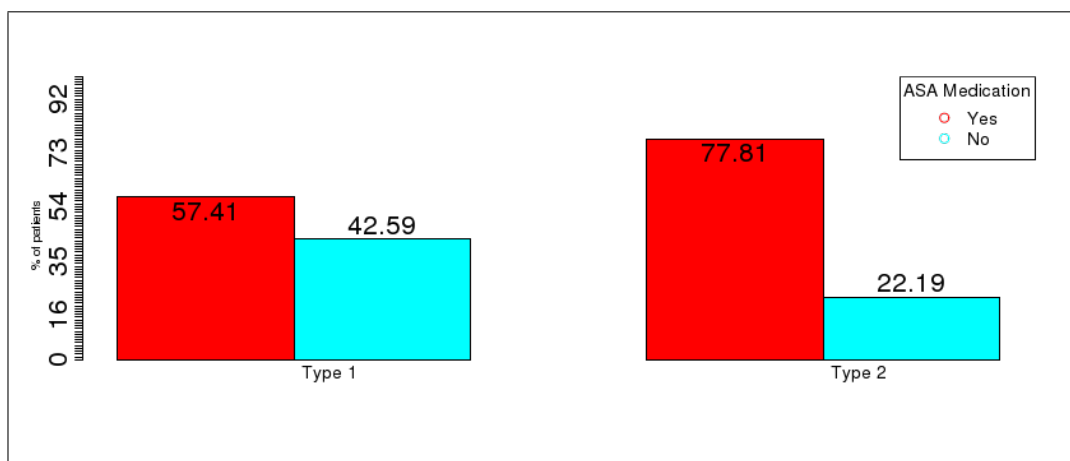
ASA Medication	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	9 (29.03)	13 (41.94)	8 (25.81)	1 (3.23)	31	31
No	5 (21.74)	11 (47.83)	6 (26.09)	1 (4.35)	23	23
	14	24	14	2		54

ASA Medication	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	2 (0.11)	203 (11.44)	1039 (58.57)	530 (29.88)	1774	1774
No	0 (0)	55 (10.87)	299 (59.09)	152 (30.04)	506	506
	2	258	1338	682		2280

ASA Medication (by Age Classes,Type of Diabetes)



Barplot: ASA Medication (by Age Classes)



Barplot: ASA Medication (by Type of Diabetes)

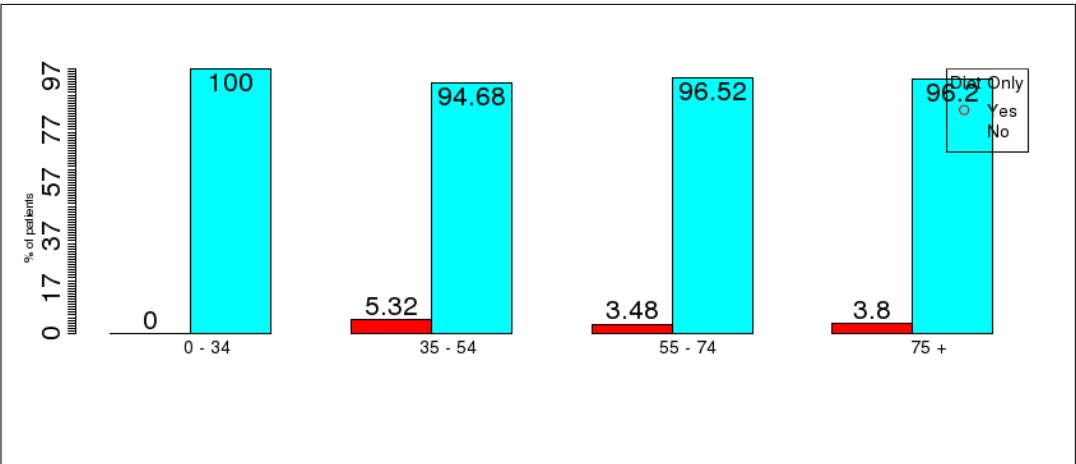
3.3.4.4.1 Glucose Lowering: Diet Only (last episode in 12 months)

Reference Date: 31/12/2002

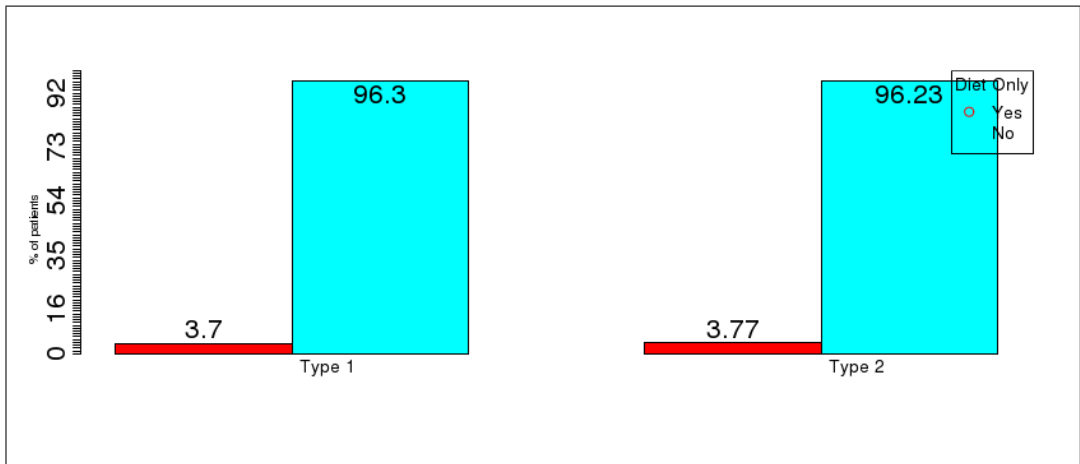
Diet Only	Type 1					PT	
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)			
Yes	0 (0)	2 (100)	0 (0)	0 (0)	2	2	
No	14 (26.92)	22 (42.31)	14 (26.92)	2 (3.85)	52	52	
	14	24	14	2		54	

Diet Only	Type 2					PT	
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)			
Yes	0 (0)	13 (15.12)	47 (54.65)	26 (30.23)	86	86	
No	2 (0.09)	245 (11.17)	1291 (58.84)	656 (29.9)	2194	2194	
	2	258	1338	682		2280	

Diet Only (by Age Classes,Type of Diabetes)



Barplot: Diet Only (by Age Classes)



Barplot: Diet Only (by Type of Diabetes)

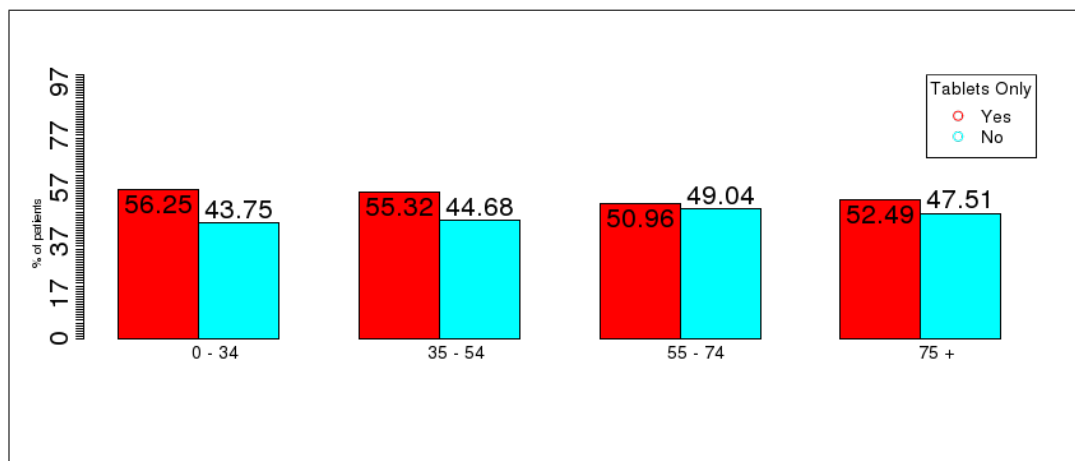
3.3.4.4.2 Glucose Lowering: Tablets Only (last episode in 12 months)

Reference Date: 31/12/2002

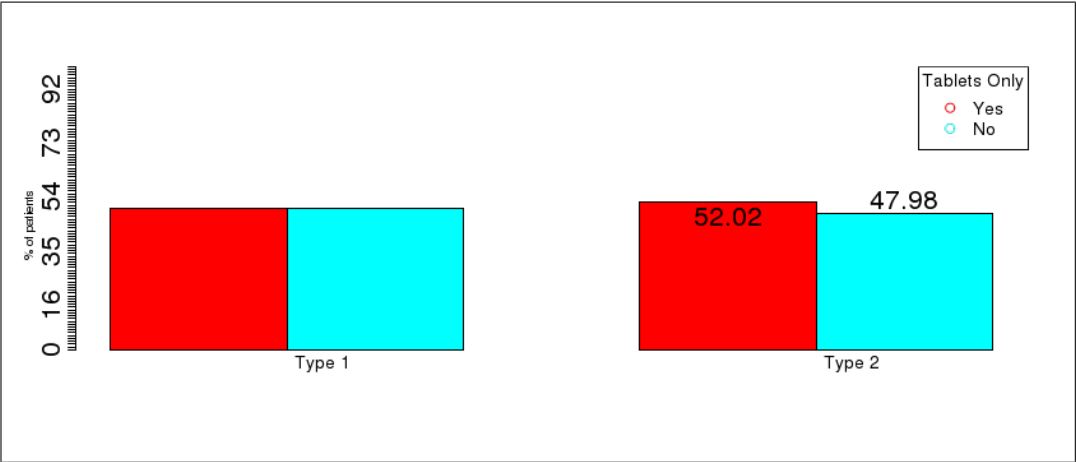
Tablets Only	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	8 (29.63)	12 (44.44)	6 (22.22)	1 (3.7)	27	27
No	6 (22.22)	12 (44.44)	8 (29.63)	1 (3.7)	27	27
	14	24	14	2		54

Tablets Only	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	1 (0.08)	144 (12.14)	683 (57.59)	358 (30.19)	1186	1186
No	1 (0.09)	114 (10.42)	655 (59.87)	324 (29.62)	1094	1094
	2	258	1338	682		2280

Tablets Only (by Age Classes,Type of Diabetes)



Barplot: Tablets Only (by Age Classes)



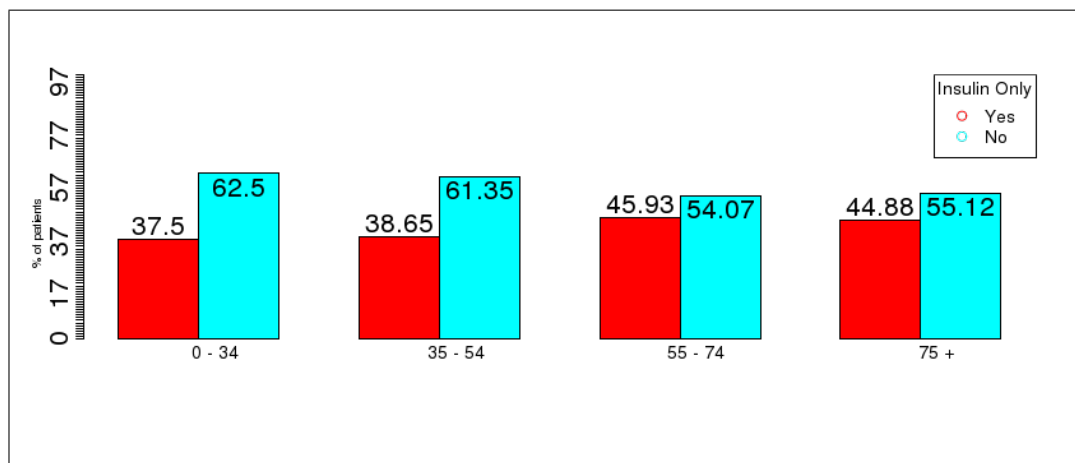
3.3.4.4.3 Glucose Lowering: Insulin Only (last episode in 12 months)

Reference Date: 31/12/2002

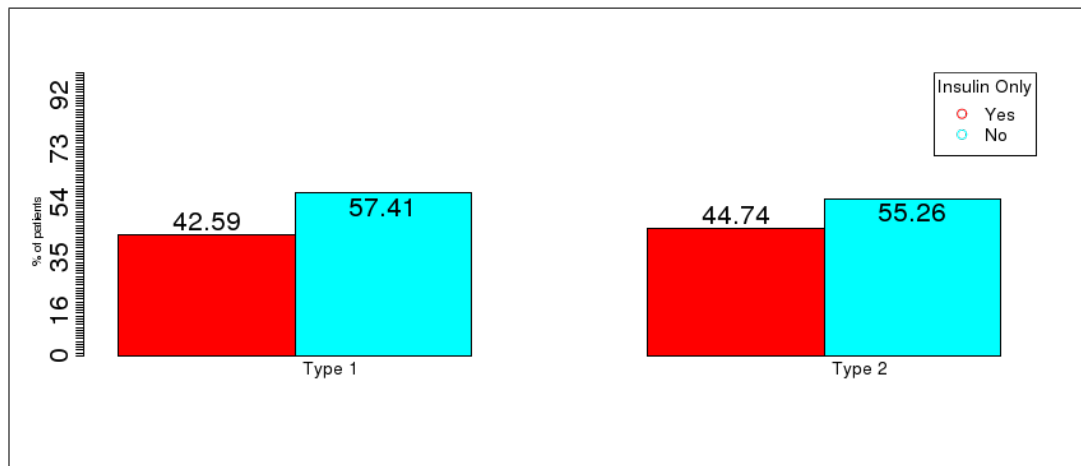
Insulin Only	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	6 (26.09)	7 (30.43)	9 (39.13)	1 (4.35)	23	23
No	8 (25.81)	17 (54.84)	5 (16.13)	1 (3.23)	31	31
	14	24	14	2		54

Insulin Only	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	0 (0)	102 (10)	612 (60)	306 (30)	1020	1020
No	2 (0.16)	156 (12.38)	726 (57.62)	376 (29.84)	1260	1260
	2	258	1338	682		2280

Insulin Only (by Age Classes,Type of Diabetes)



Barplot: Insulin Only (by Age Classes)



Barplot: Insulin Only (by Type of Diabetes)

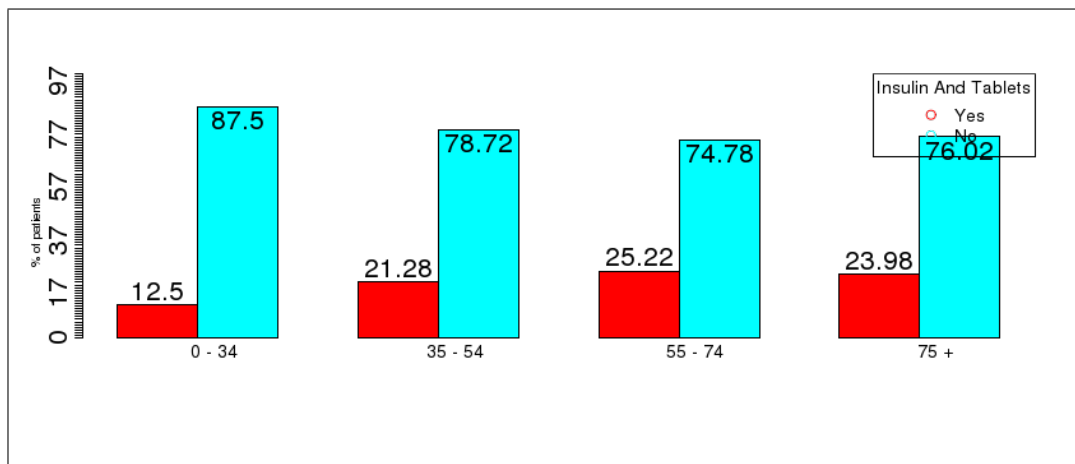
3.3.4.4.4 Glucose Lowering: Insulin and Tablets (last episode in 12 months)

Reference Date: 31/12/2002

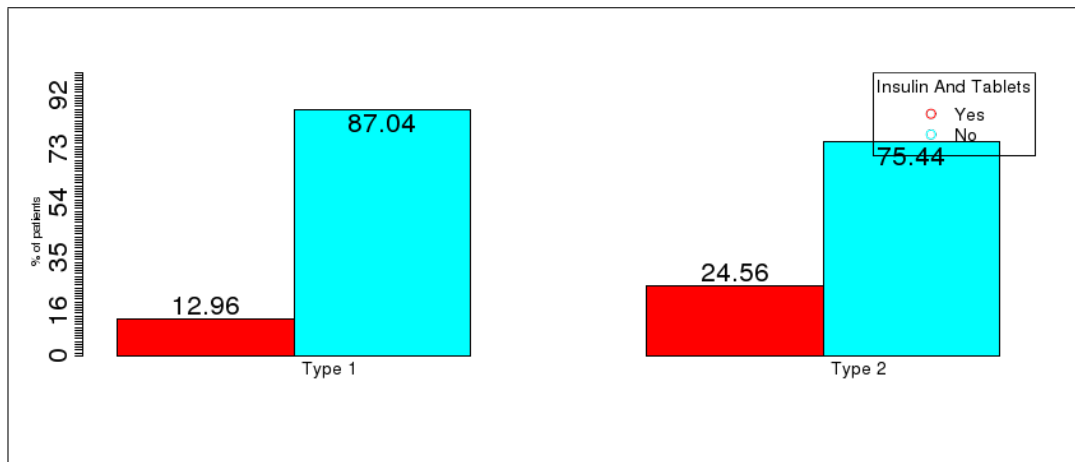
Insulin And Tablets	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	1 (14.29)	5 (71.43)	1 (14.29)	0 (0)	7	7
No	13 (27.66)	19 (40.43)	13 (27.66)	2 (4.26)	47	47
	14	24	14	2		54

Insulin And Tablets	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	1 (0.18)	55 (9.82)	340 (60.71)	164 (29.29)	560	560
No	1 (0.06)	203 (11.8)	998 (58.02)	518 (30.12)	1720	1720
	2	258	1338	682		2280

Insulin And Tablets (by Age Classes,Type of Diabetes)



Barplot: Insulin And Tablets (by Age Classes)



Barplot: Insulin And Tablets (by Type of Diabetes)

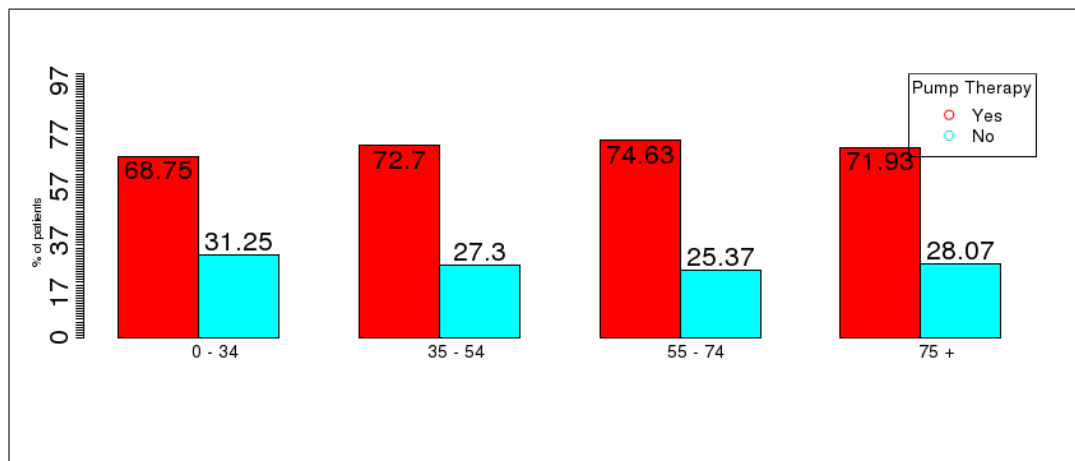
3.3.4.4.5 Glucose Lowering: Insulin Pump (last episode in 12 months)

Reference Date: 31/12/2002

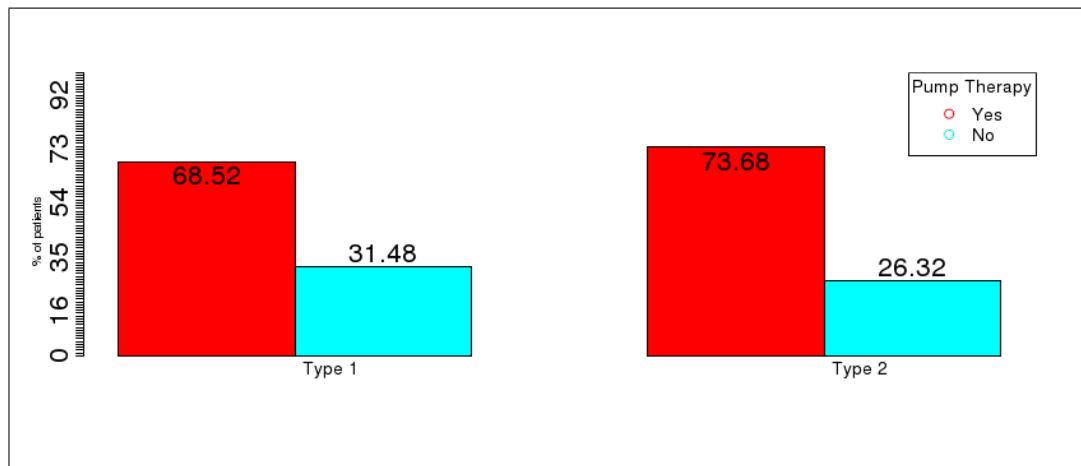
Pump Therapy	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	10 (27.03)	16 (43.24)	10 (27.03)	1 (2.7)	37	37
No	4 (23.53)	8 (47.06)	4 (23.53)	1 (5.88)	17	17
	14	24	14	2		54

Pump Therapy	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Yes	1 (0.06)	189 (11.25)	999 (59.46)	491 (29.23)	1680	1680
No	1 (0.17)	69 (11.5)	339 (56.5)	191 (31.83)	600	600
	2	258	1338	682		2280

Pump Therapy (by Age Classes,Type of Diabetes)



Barplot: Pump Therapy (by Age Classes)



Barplot: Pump Therapy (by Type of Diabetes)

3.3.5 Management

Reference Date: 31/12/2002

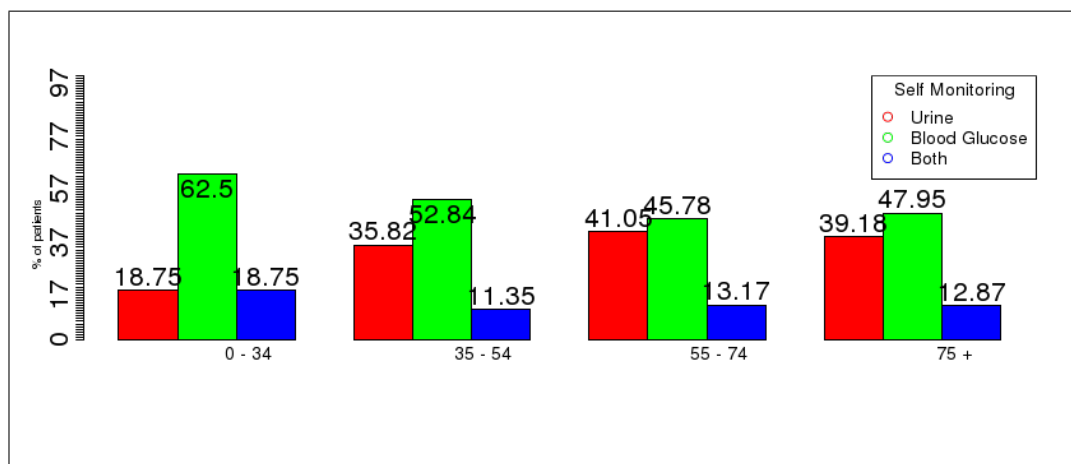
3.3.5.1 Self monitoring

Reference Date: 31/12/2002

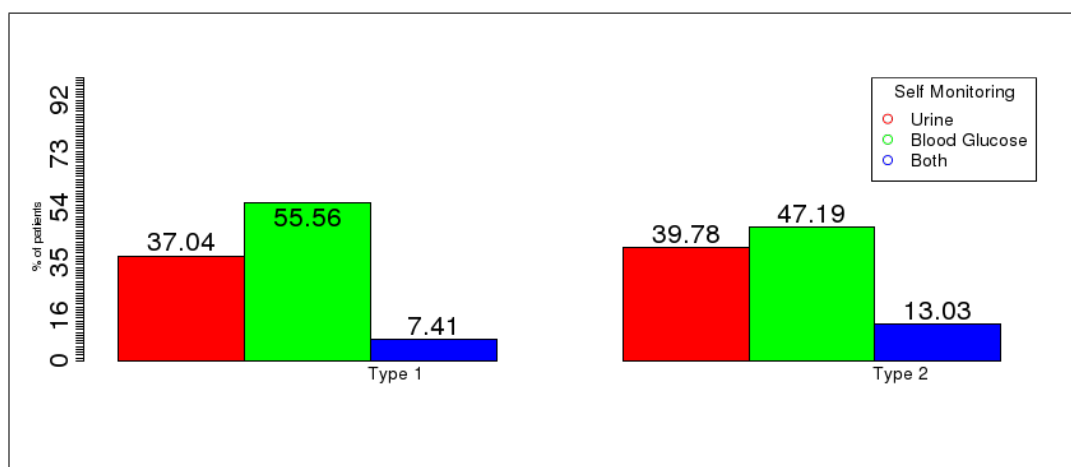
Self Monitoring	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Urine	3 (15)	11 (55)	5 (25)	1 (5)	20	20
Blood Glucose	8 (26.67)	12 (40)	9 (30)	1 (3.33)	30	30
Both	3 (75)	1 (25)	0 (0)	0 (0)	4	4
	14	24	14	2		54

Self Monitoring	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
Urine	0 (0)	90 (9.92)	550 (60.64)	267 (29.44)	907	907
Blood Glucose	2 (0.19)	137 (12.73)	610 (56.69)	327 (30.39)	1076	1076
Both	0 (0)	31 (10.44)	178 (59.93)	88 (29.63)	297	297
	2	258	1338	682		2280

Self Monitoring (by Age Classes,Sex)



Barplot: Self Monitoring (by Age Classes)



Barplot: Self Monitoring (by Sex)

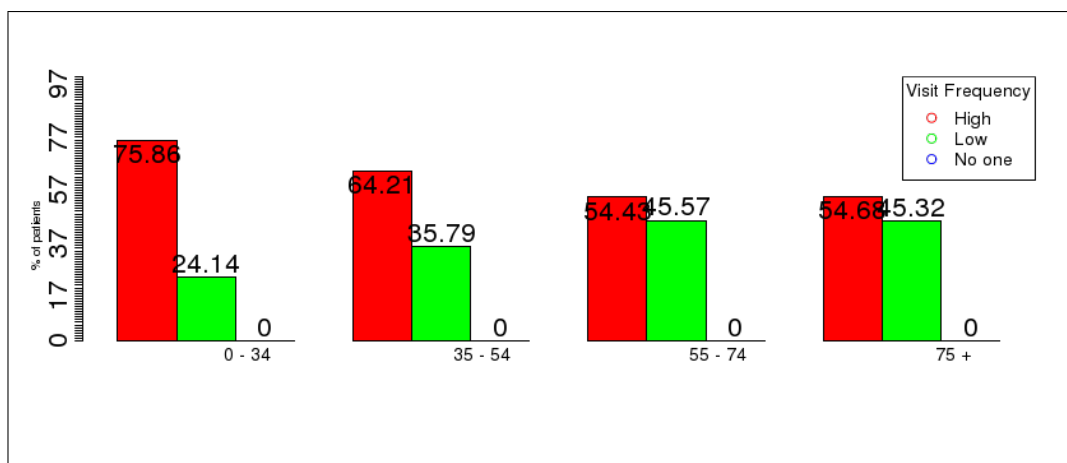
3.3.5.2 Visit Frequency

Reference Date: 31/12/2002

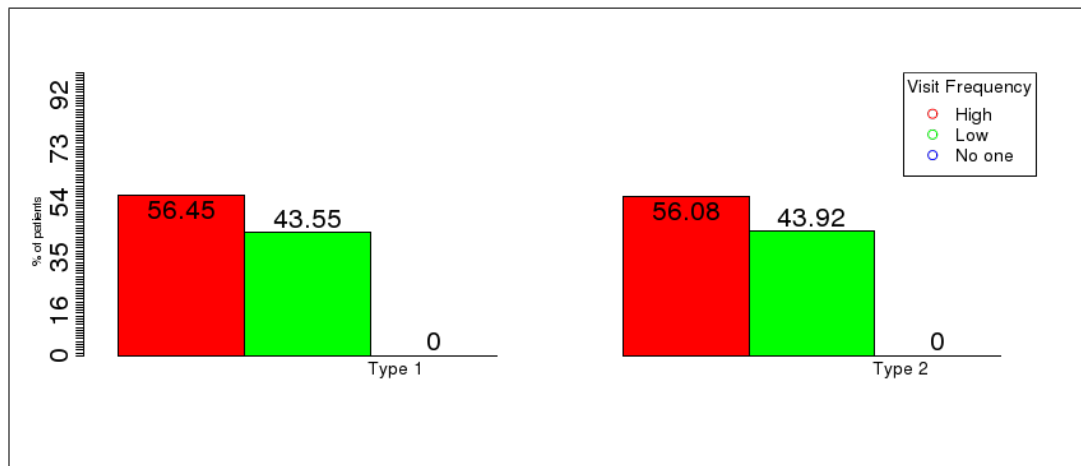
Visit Frequency	Type 1					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
High	24 (34.29)	24 (34.29)	16 (22.86)	6 (8.57)	70	70
Low	12 (22.22)	26 (48.15)	14 (25.93)	2 (3.7)	54	54
No one	0 (0)	0 (0)	0 (0)	0 (0)	0	0
	36	50	30	8		124

Visit Frequency	Type 2					
	0 - 34 (%)	35 - 54 (%)	55 - 74 (%)	75 + (%)	PT	
High	20 (0.69)	446 (15.32)	1580 (54.28)	865 (29.71)	2911	2911
Low	2 (0.09)	236 (10.35)	1322 (57.98)	720 (31.58)	2280	2280
No one	0 (0)	0 (0)	0 (0)	0 (0)	0	0
	22	682	2902	1585		5191

Visit Frequency (by Age Classes,Sex)



Barplot: Visit Frequency (by Age Classes)



Barplot: Visit Frequency (by Sex)

Chapter 4

Population

4.1.1 Total Population

Reference Date: 31/12/2002

data	Age in class	Males	Females
91	0 - 4	19356	18289
92	5 - 9	18623	17240
93	10 - 14	18641	17562
94	15 - 19	19819	18511
95	20 - 24	21889	20921
96	25 - 29	26472	25880
97	30 - 34	32360	32138
98	35 - 39	33666	33371
99	40 - 44	34107	33979
100	45 - 49	30374	30655
101	50 - 54	27605	28357
102	55 - 59	28703	29850
103	60 - 64	24396	26220
104	65 - 69	25196	27828
105	70 - 74	21406	25555
106	75 - 79	18303	25073
107	80 - 84	13029	21487
108	85 +	8260	17846

4.1.2 Life expectancy

Reference Date: 31/12/2002

data	Age in classes	Males	Females
1	0 - 4	76	79
2	10 - 14	66	70
3	15 - 19	61	65
4	20 - 24	56	60
5	25 - 29	51	55
6	30 - 34	47	50
7	35 - 39	42	45
8	40 - 44	37	40
9	45 - 49	32	35
10	50 - 54	28	30
11	55 - 59	23	26
12	5 - 9	71	75
13	60 - 64	19	21
14	65 - 69	15	17
15	70 - 74	11	12
16	75 - 79	7	8
17	80 - 84	4	4
18	85 +	7	6

4.1.3 Mortality Data

Reference Date: 31/12/2002

data	Age in class	Males	Females
91	0 - 4	8	14
92	5 - 9	3	0
93	10 - 14	5	1
94	15 - 19	4	2
95	20 - 24	12	8
96	25 - 29	12	5
97	30 - 34	28	7
98	35 - 39	30	16
99	40 - 44	42	13
100	45 - 49	62	26
101	50 - 54	87	64
102	55 - 59	163	83
103	60 - 64	182	130
104	65 - 69	325	192
105	70 - 74	484	306
106	75 - 79	862	547
107	80 - 84	1038	1020
108	85 +	1328	2254

Chapter 5

Risk Adjusted Indicators

5.1. Epidemiology

5.1.1 Prevalence of diabetes mellitus per 1,000

Reference Date: 31/12/2002

datastd	Obs	Population	typedm	RawRate
1	124	307701	Type 1	0.40298861557161
2	5191	565266	Type 2	9.18328716038113
3	5315	872967	NA	6.08843175057018

5.1.2. Age at diagnosis by 10 year age bands (incidence)

Reference Date: 31/12/2002

5.1.2. Age at diagnosis by 10 year age bands (incidence)

Reference Date: 31/12/2002

datastd	Obs	typedm	agec
1	12	Type 1	0 - 4
2	0	Type 2	0 - 4
3	14	Type 1	10 - 14
4	0	Type 2	10 - 14
5	4	Type 1	15 - 19
6	2	Type 2	15 - 19
7	14	Type 1	20 - 24
8	8	Type 2	20 - 24
9	22	Type 1	25 - 29
10	28	Type 2	25 - 29
11	16	Type 1	30 - 34
12	76	Type 2	30 - 34
13	6	Type 1	35 - 39
14	170	Type 2	35 - 39
15	10	Type 1	40 - 44
16	354	Type 2	40 - 44
17	8	Type 1	45 - 49
18	498	Type 2	45 - 49
19	4	Type 1	50 - 54
20	688	Type 2	50 - 54
21	0	Type 1	55 - 59
22	824	Type 2	55 - 59
23	2	Type 1	60 - 64
24	706	Type 2	60 - 64
25	0	Type 1	65 - 69
26	682	Type 2	65 - 69
27	6	Type 1	70 - 74
28	504	Type 2	70 - 74
29	6	Type 1	75 - 79
30	312	Type 2	75 - 79
31	0	Type 1	80 - 84
32	149	Type 2	80 - 84
33	0	Type 1	85 +
34	80	Type 2	85 +
35	5205	NA	NA

5.2. Process Quality

5.2.1 Percentage of patients with one or more HbA1c tests during the last 12 months

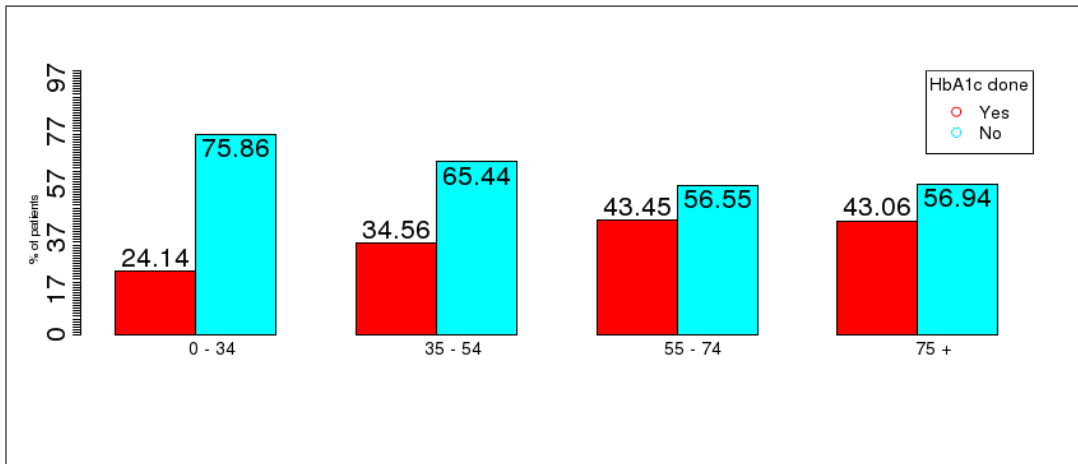
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	10	22	0 - 34	Male	Type 1	45.45
3	2	14	0 - 34	Female	Type 1	14.29
5	9	26	35 - 54	Male	Type 1	34.62
7	15	24	35 - 54	Female	Type 1	62.50
9	8	18	55 - 74	Male	Type 1	44.44
11	6	12	55 - 74	Female	Type 1	50.00
13	2	6	75 +	Male	Type 1	33.33
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

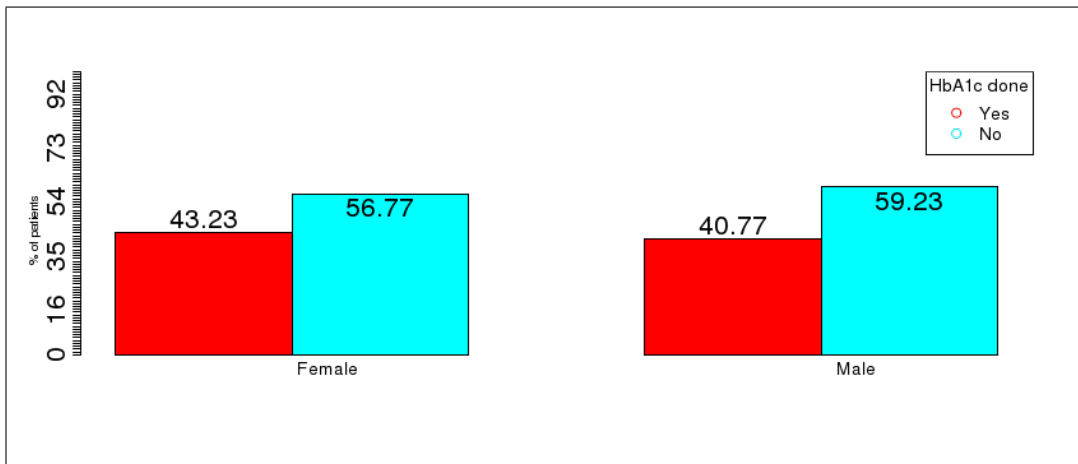
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	2	16	0 - 34	Male	Type 2	12.50
4	0	6	0 - 34	Female	Type 2	0.00
6	156	466	35 - 54	Male	Type 2	33.48
8	73	216	35 - 54	Female	Type 2	33.80
10	671	1658	55 - 74	Male	Type 2	40.47
12	589	1244	55 - 74	Female	Type 2	47.35
14	315	665	75 +	Male	Type 2	47.37
16	369	920	75 +	Female	Type 2	40.11
NA			NA	NA	NA	

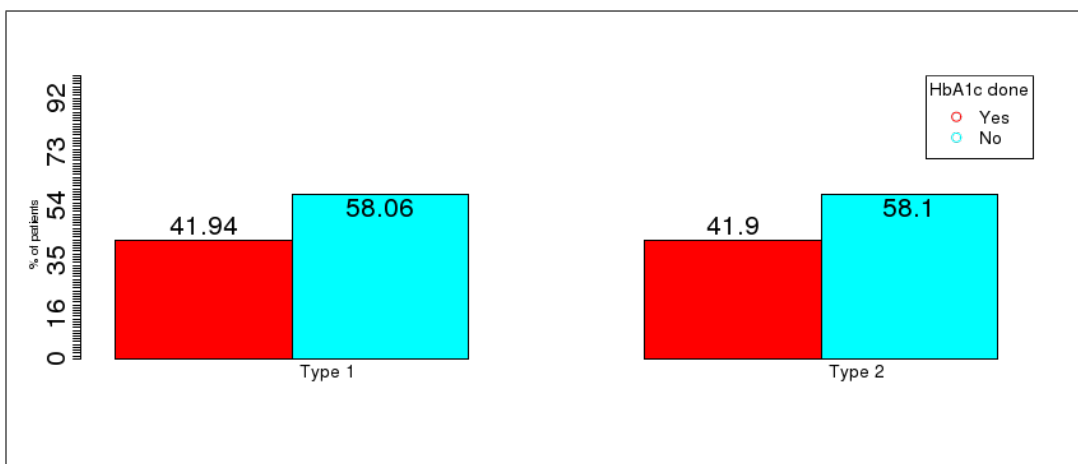
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: HbA1c done (by Age Classes)



Barplot: HbA1c done (by Gender)



Barplot: HbA1c done (by Type of Diabetes)

5.2.2 Percentage of patients with at least one test for microalbuminuria during the last 12 months

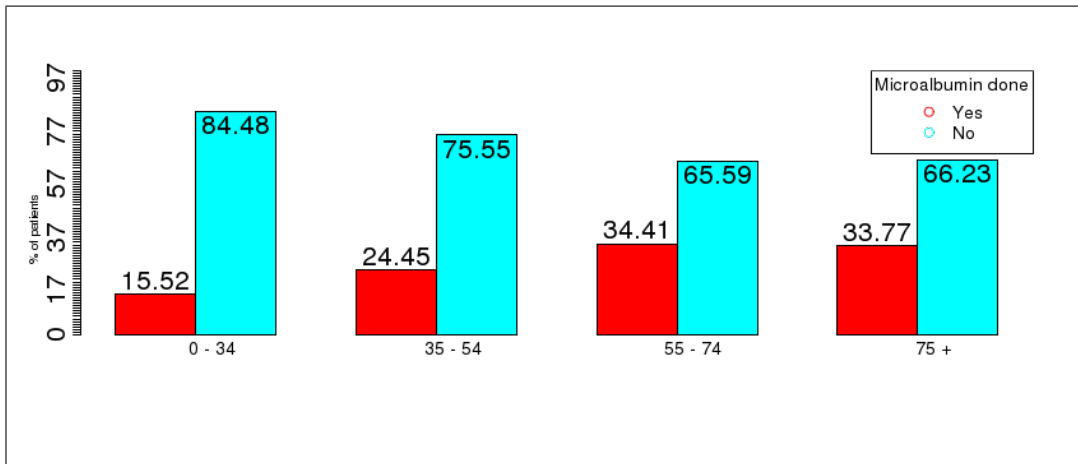
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	8	22	0 - 34	Male	Type 1	36.36
3	0	14	0 - 34	Female	Type 1	0.00
5	8	26	35 - 54	Male	Type 1	30.77
7	11	24	35 - 54	Female	Type 1	45.83
9	7	18	55 - 74	Male	Type 1	38.89
11	4	12	55 - 74	Female	Type 1	33.33
13	2	6	75 +	Male	Type 1	33.33
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

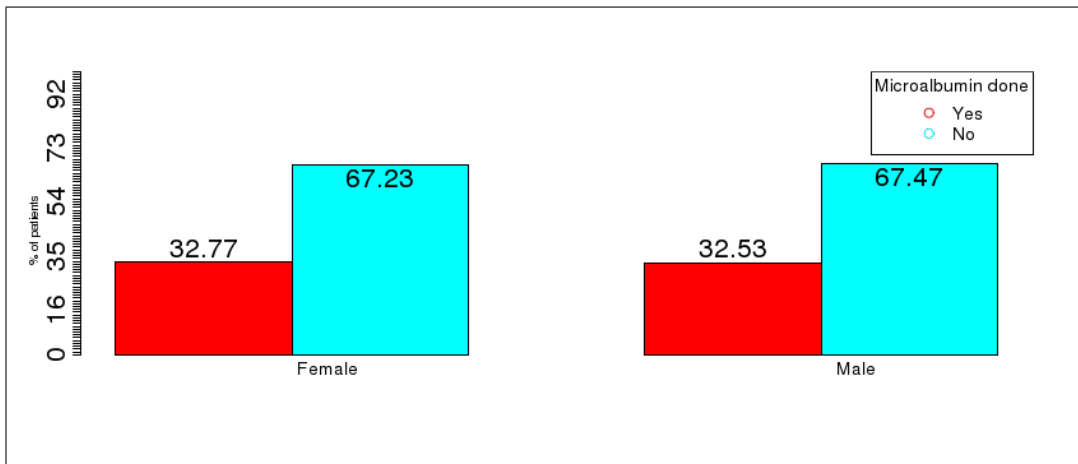
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	1	16	0 - 34	Male	Type 2	6.25
4	0	6	0 - 34	Female	Type 2	0.00
6	106	466	35 - 54	Male	Type 2	22.75
8	54	216	35 - 54	Female	Type 2	25.00
10	545	1658	55 - 74	Male	Type 2	32.87
12	453	1244	55 - 74	Female	Type 2	36.41
14	259	665	75 +	Male	Type 2	38.95
16	277	920	75 +	Female	Type 2	30.11
NA			NA	NA	NA	

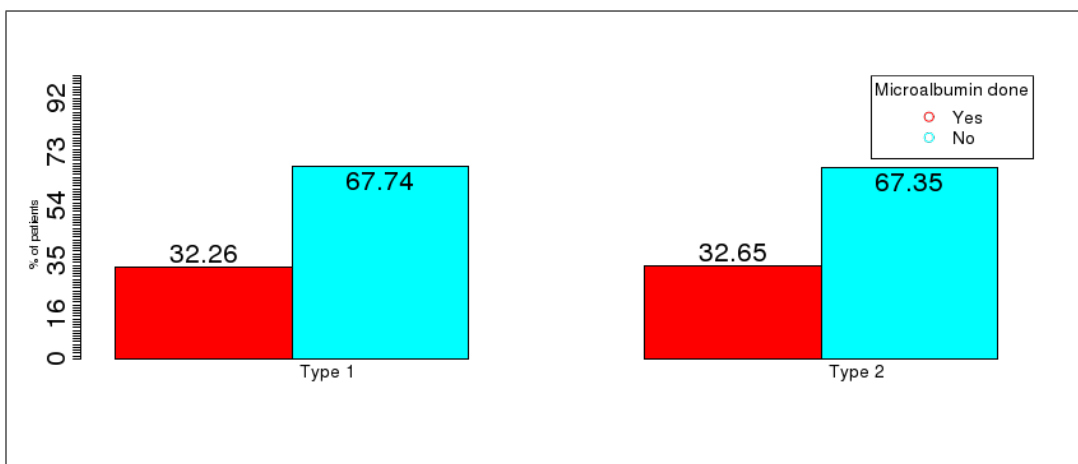
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Microalbumin done (by Age Classes)



Barplot: Microalbumin done (by Gender)



Barplot: Microalbumin done (by Type of Diabetes)

5.2.3 Percentage of diabetes patients who received a dilated eye examination or evaluation of retinal photography by a trained caregiver within the last 12 months

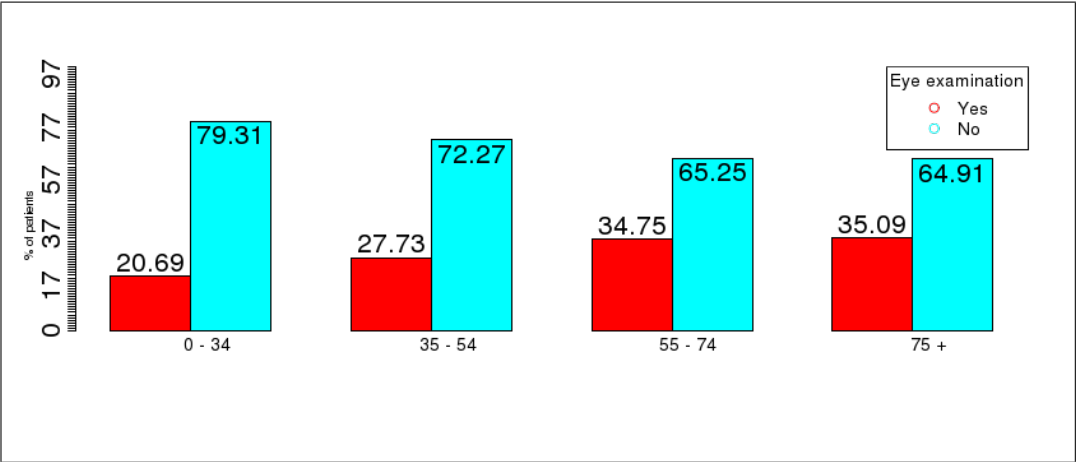
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	9	22	0 - 34	Male	Type 1	40.91
3	1	14	0 - 34	Female	Type 1	7.14
5	8	26	35 - 54	Male	Type 1	30.77
7	8	24	35 - 54	Female	Type 1	33.33
9	8	18	55 - 74	Male	Type 1	44.44
11	6	12	55 - 74	Female	Type 1	50.00
13	2	6	75 +	Male	Type 1	33.33
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

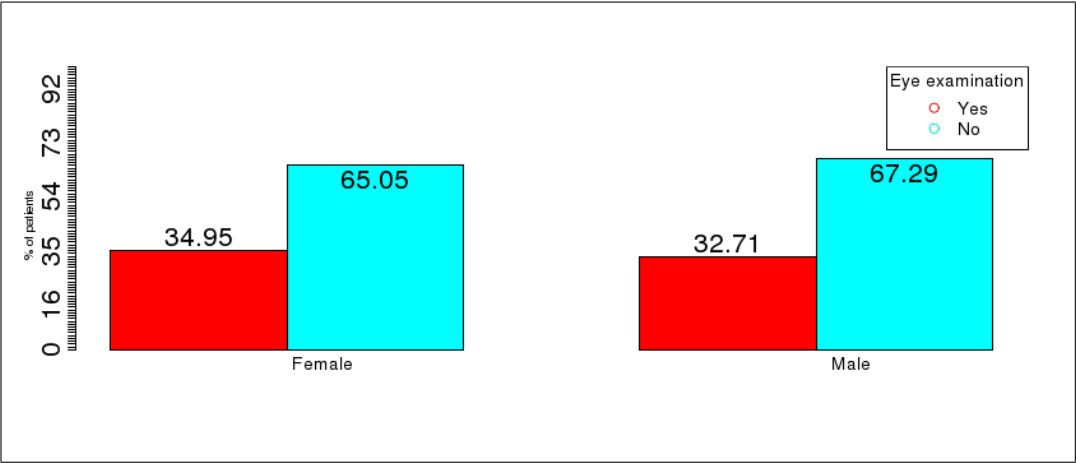
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	2	16	0 - 34	Male	Type 2	12.50
4	0	6	0 - 34	Female	Type 2	0.00
6	119	466	35 - 54	Male	Type 2	25.54
8	68	216	35 - 54	Female	Type 2	31.48
10	539	1658	55 - 74	Male	Type 2	32.51
12	466	1244	55 - 74	Female	Type 2	37.46
14	254	665	75 +	Male	Type 2	38.20
16	303	920	75 +	Female	Type 2	32.93
NA			NA	NA	NA	

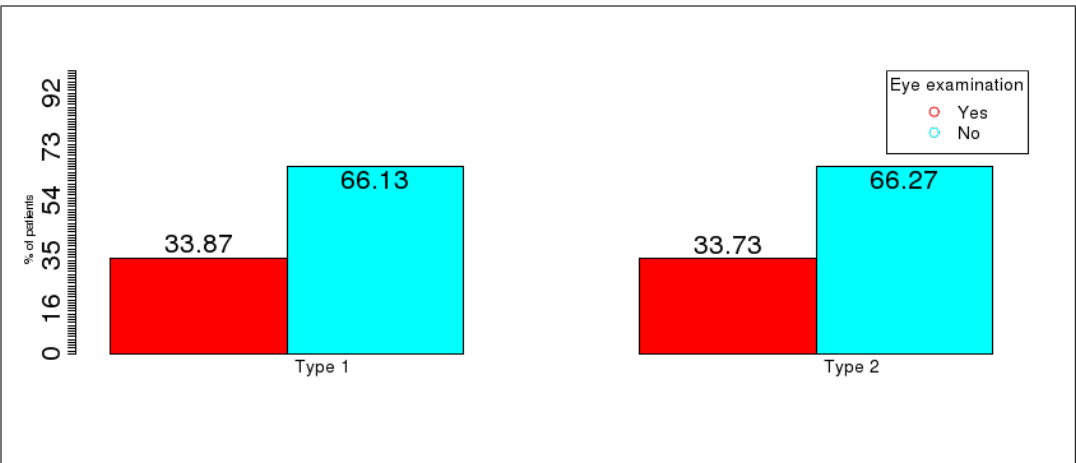
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Eye examination (by Age Classes)



Barplot: Eye examination (by Gender)



Barplot: Eye examination (by Type of Diabetes)

5.2.4 Percentage of diabetes patients receiving at least one foot examination within the last 12 months

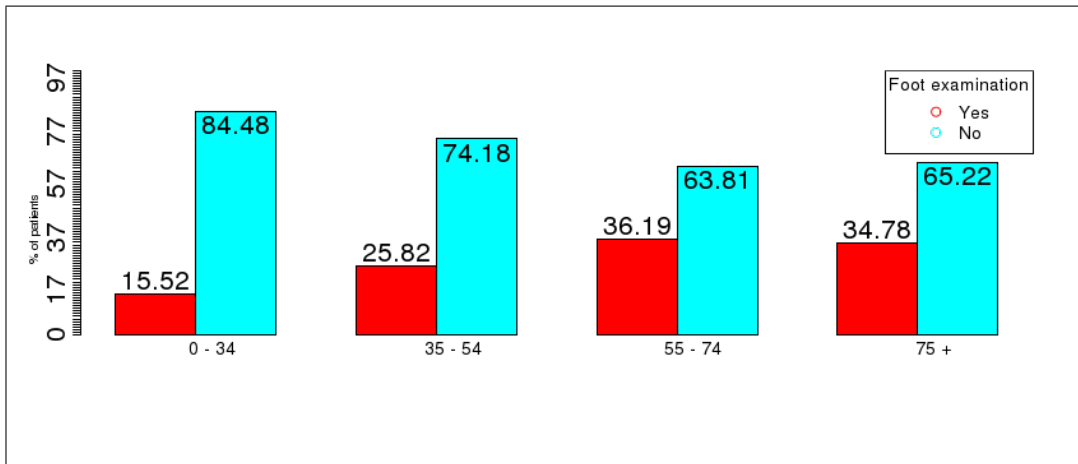
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	8	22	0 - 34	Male	Type 1	36.36
3	1	14	0 - 34	Female	Type 1	7.14
5	6	26	35 - 54	Male	Type 1	23.08
7	11	24	35 - 54	Female	Type 1	45.83
9	6	18	55 - 74	Male	Type 1	33.33
11	6	12	55 - 74	Female	Type 1	50.00
13	2	6	75 +	Male	Type 1	33.33
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

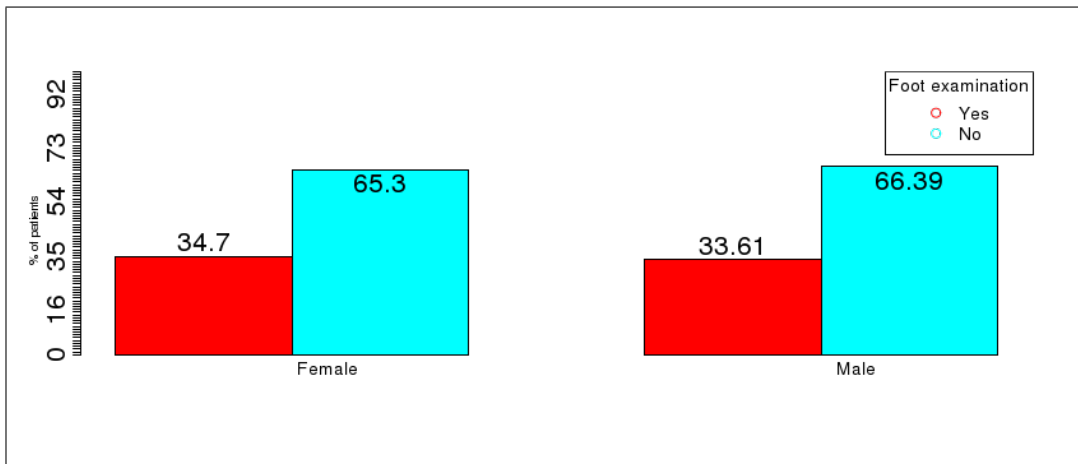
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	0	16	0 - 34	Male	Type 2	0.00
4	0	6	0 - 34	Female	Type 2	0.00
6	116	466	35 - 54	Male	Type 2	24.89
8	56	216	35 - 54	Female	Type 2	25.93
10	566	1658	55 - 74	Male	Type 2	34.14
12	483	1244	55 - 74	Female	Type 2	38.83
14	263	665	75 +	Male	Type 2	39.55
16	289	920	75 +	Female	Type 2	31.41
NA			NA	NA	NA	

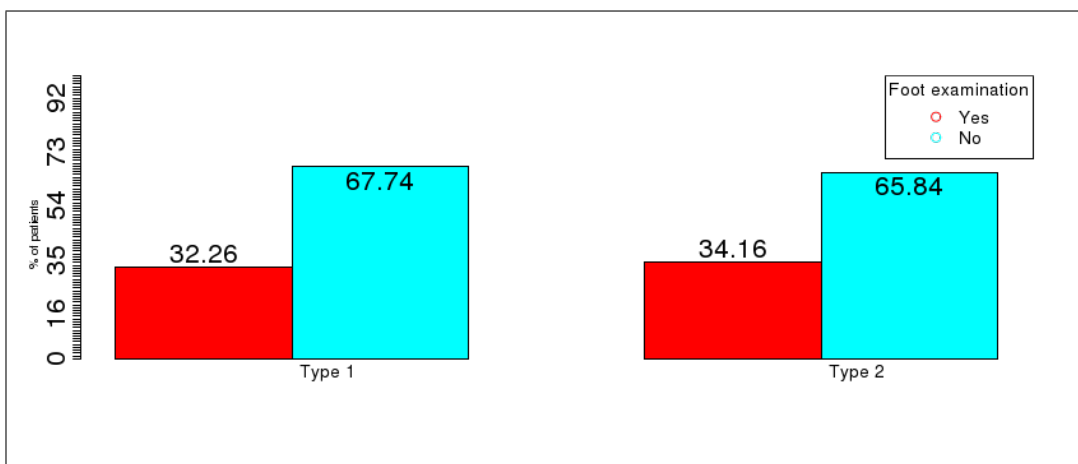
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Foot examination (by Age Classes)



Barplot: Foot examination (by Gender)



Barplot: Foot examination (by Type of Diabetes)

5.2.5 Percentage of diabetes patients whose smoking status was ascertained and documented within the last 12 months

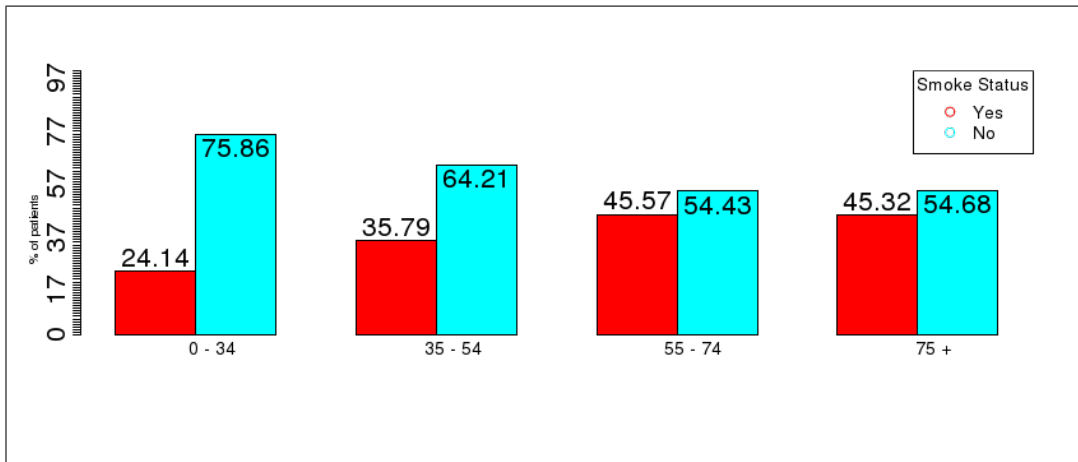
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	10	22	0 - 34	Male	Type 1	45.45
3	2	14	0 - 34	Female	Type 1	14.29
5	10	26	35 - 54	Male	Type 1	38.46
7	16	24	35 - 54	Female	Type 1	66.67
9	8	18	55 - 74	Male	Type 1	44.44
11	6	12	55 - 74	Female	Type 1	50.00
13	2	6	75 +	Male	Type 1	33.33
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

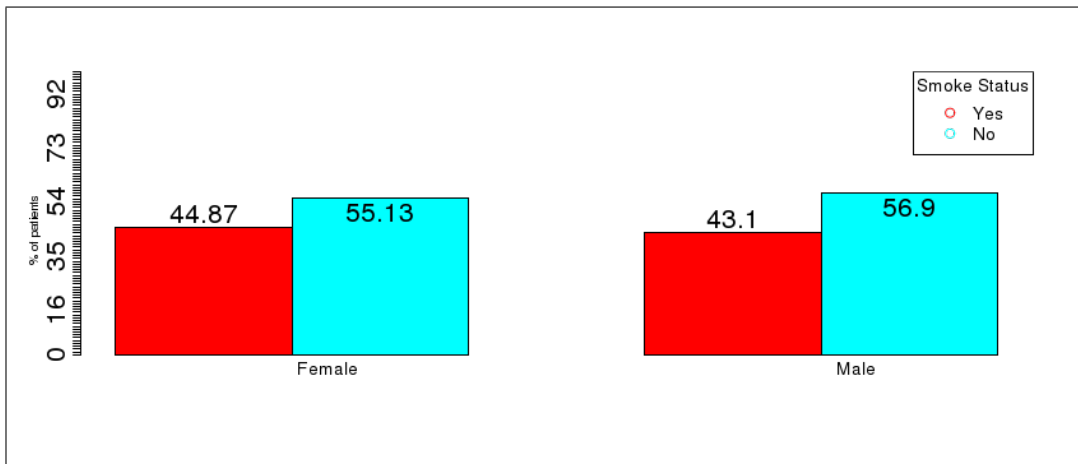
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	2	16	0 - 34	Male	Type 2	12.50
4	0	6	0 - 34	Female	Type 2	0.00
6	160	466	35 - 54	Male	Type 2	34.33
8	76	216	35 - 54	Female	Type 2	35.19
10	714	1658	55 - 74	Male	Type 2	43.06
12	608	1244	55 - 74	Female	Type 2	48.87
14	334	665	75 +	Male	Type 2	50.23
16	386	920	75 +	Female	Type 2	41.96
NA			NA	NA	NA	

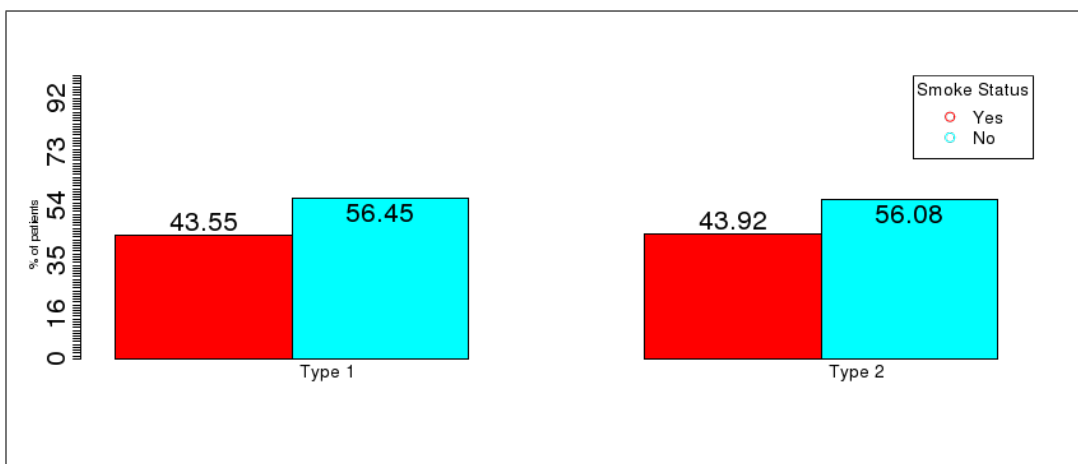
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Smoke Status (by Age Classes)



Barplot: Smoke Status (by Gender)



Barplot: Smoke Status (by Type of Diabetes)

5.2.6 Percent with serum creatinine tested in last 12 months

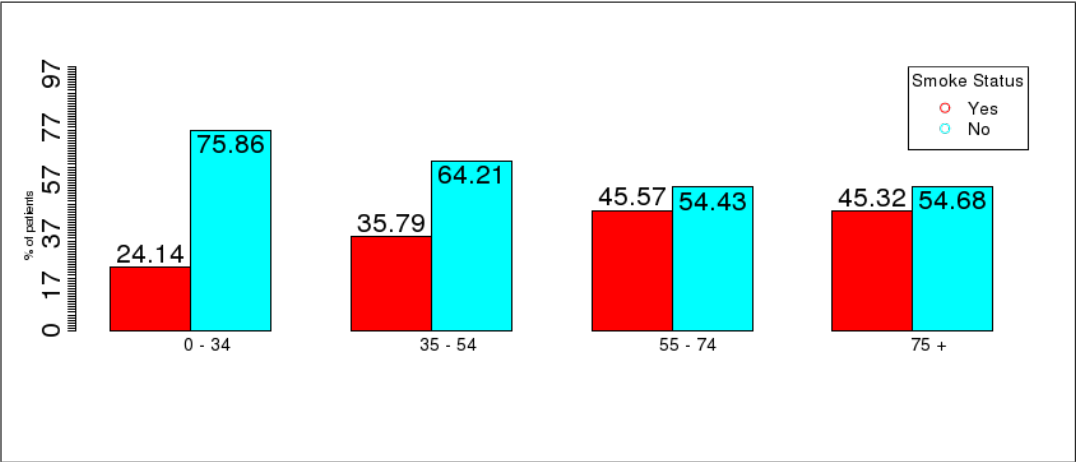
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	10	22	0 - 34	Male	Type 1	45.45
3	2	14	0 - 34	Female	Type 1	14.29
5	10	26	35 - 54	Male	Type 1	38.46
7	16	24	35 - 54	Female	Type 1	66.67
9	8	18	55 - 74	Male	Type 1	44.44
11	6	12	55 - 74	Female	Type 1	50.00
13	2	6	75 +	Male	Type 1	33.33
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

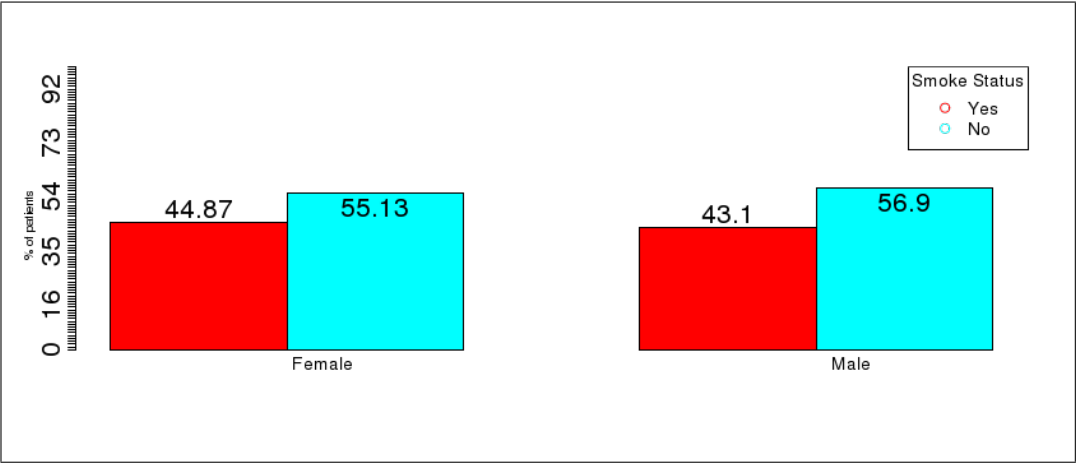
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	2	16	0 - 34	Male	Type 2	12.50
4	0	6	0 - 34	Female	Type 2	0.00
6	160	466	35 - 54	Male	Type 2	34.33
8	76	216	35 - 54	Female	Type 2	35.19
10	714	1658	55 - 74	Male	Type 2	43.06
12	608	1244	55 - 74	Female	Type 2	48.87
14	334	665	75 +	Male	Type 2	50.23
16	386	920	75 +	Female	Type 2	41.96
NA			NA	NA	NA	

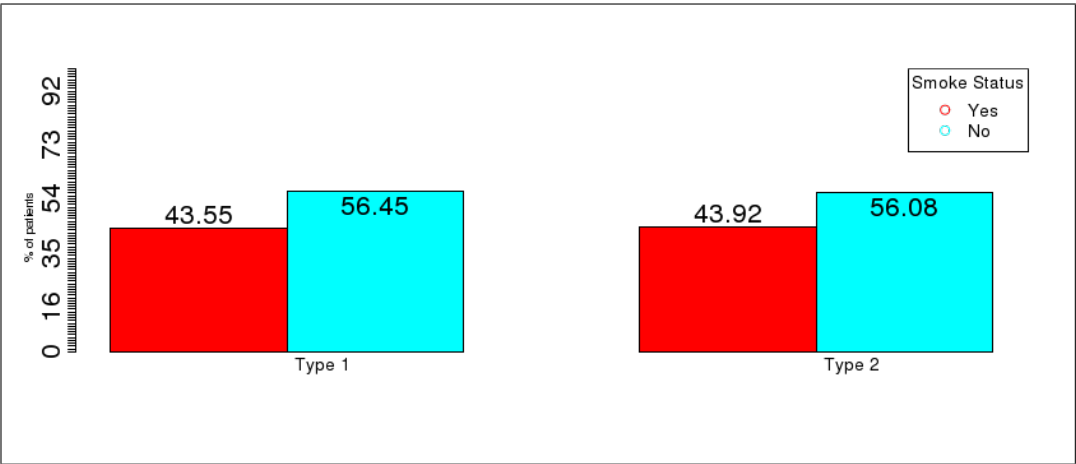
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Smoke Status (by Age Classes)



Barplot: Smoke Status (by Gender)



Barplot: Smoke Status (by Type of Diabetes)

5.2.7 Percentage of patients with diabetes and one or more blood pressure measurements within the last 12 months

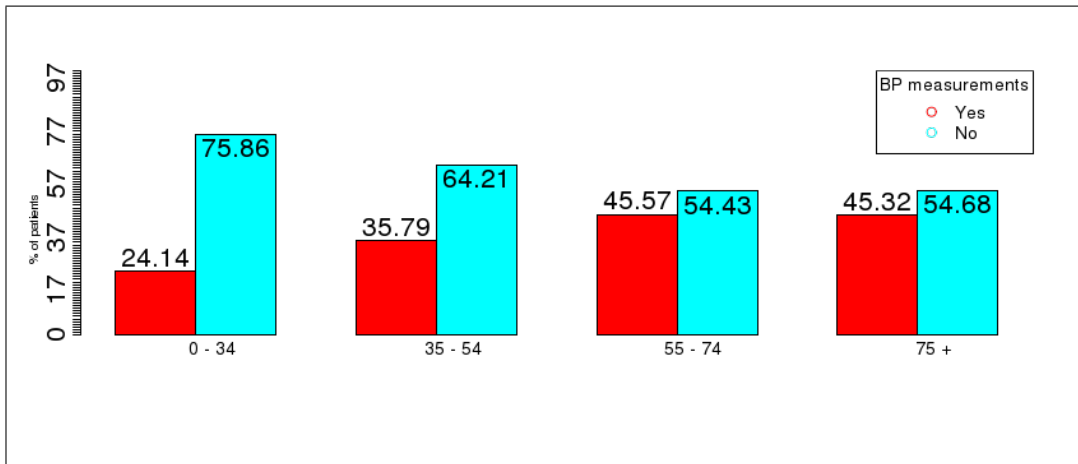
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	10	22	0 - 34	Male	Type 1	45.45
3	2	14	0 - 34	Female	Type 1	14.29
5	10	26	35 - 54	Male	Type 1	38.46
7	16	24	35 - 54	Female	Type 1	66.67
9	8	18	55 - 74	Male	Type 1	44.44
11	6	12	55 - 74	Female	Type 1	50.00
13	2	6	75 +	Male	Type 1	33.33
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

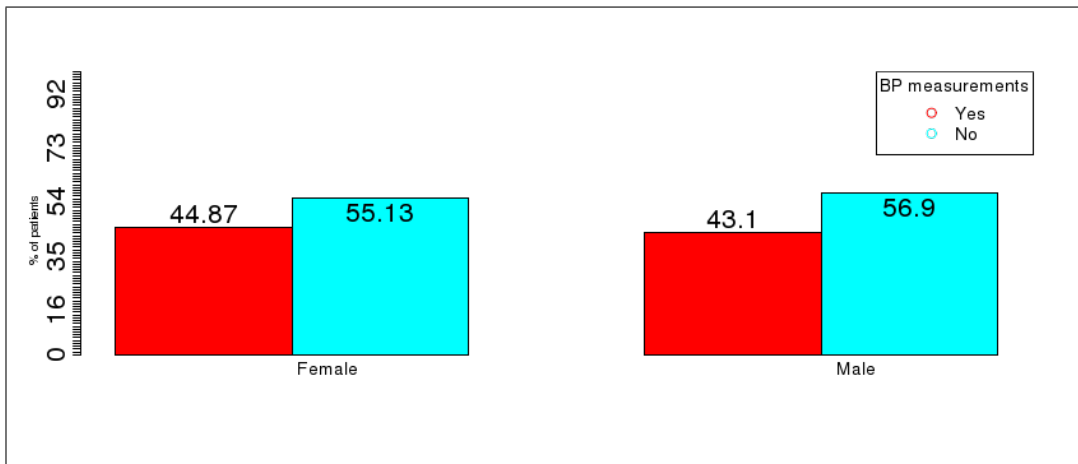
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	2	16	0 - 34	Male	Type 2	12.50
4	0	6	0 - 34	Female	Type 2	0.00
6	160	466	35 - 54	Male	Type 2	34.33
8	76	216	35 - 54	Female	Type 2	35.19
10	714	1658	55 - 74	Male	Type 2	43.06
12	608	1244	55 - 74	Female	Type 2	48.87
14	334	665	75 +	Male	Type 2	50.23
16	386	920	75 +	Female	Type 2	41.96
NA			NA	NA	NA	

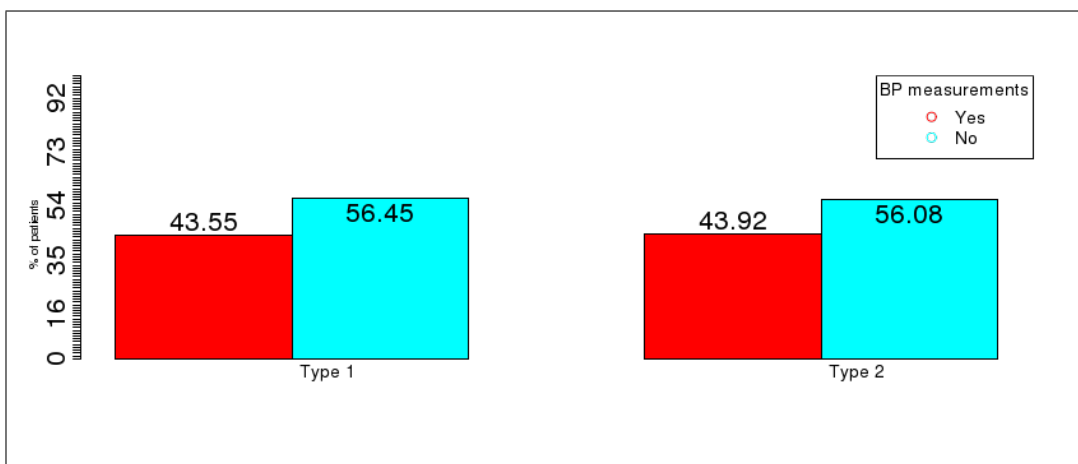
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: BP measurements (by Age Classes)



Barplot: BP measurements (by Gender)



Barplot: BP measurements (by Type of Diabetes)

5.2.8 Percentage of patients with hypertension who receive antihypertensive medication

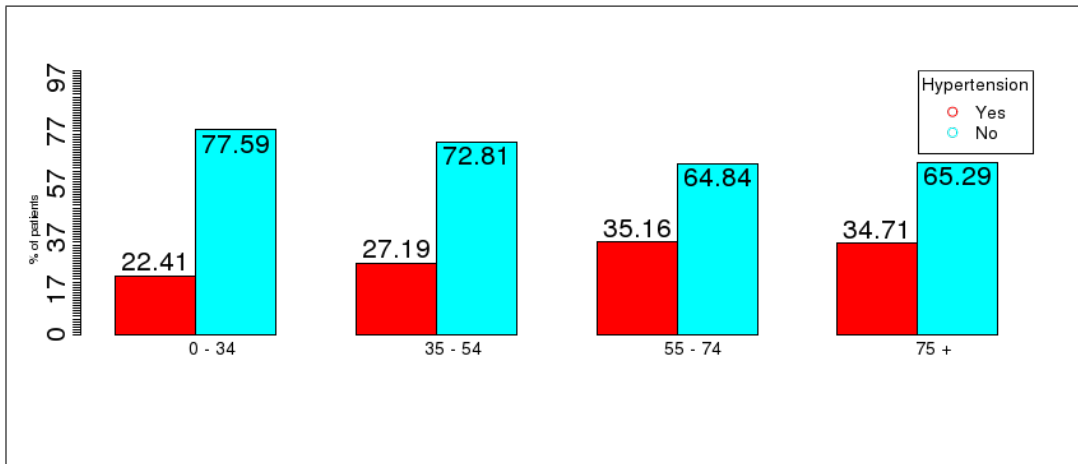
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	9	22	0 - 34	Male	Type 1	40.91
3	2	14	0 - 34	Female	Type 1	14.29
5	7	26	35 - 54	Male	Type 1	26.92
7	8	24	35 - 54	Female	Type 1	33.33
9	6	18	55 - 74	Male	Type 1	33.33
11	3	12	55 - 74	Female	Type 1	25.00
13	0	6	75 +	Male	Type 1	0.00
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

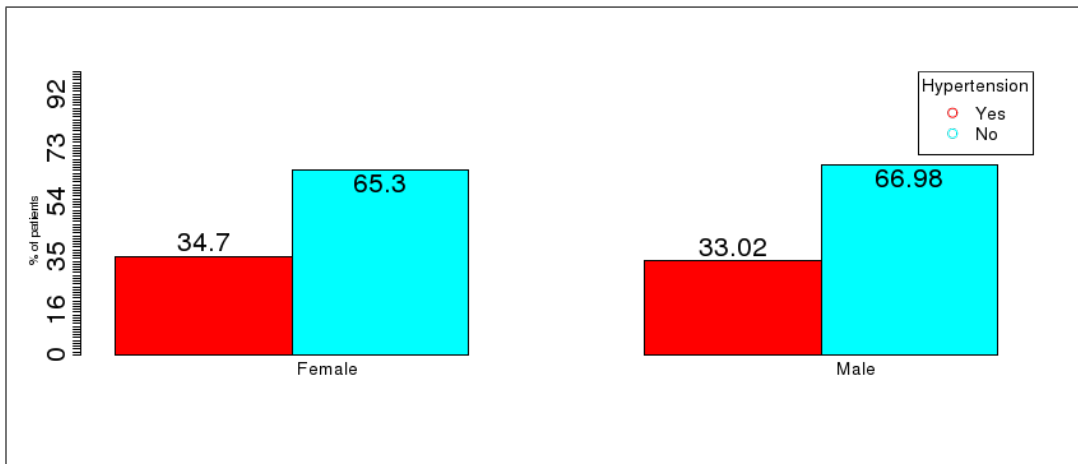
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	2	16	0 - 34	Male	Type 2	12.50
4	0	6	0 - 34	Female	Type 2	0.00
6	127	466	35 - 54	Male	Type 2	27.25
8	57	216	35 - 54	Female	Type 2	26.39
10	544	1658	55 - 74	Male	Type 2	32.81
12	478	1244	55 - 74	Female	Type 2	38.42
14	255	665	75 +	Male	Type 2	38.35
16	298	920	75 +	Female	Type 2	32.39
NA			NA	NA	NA	

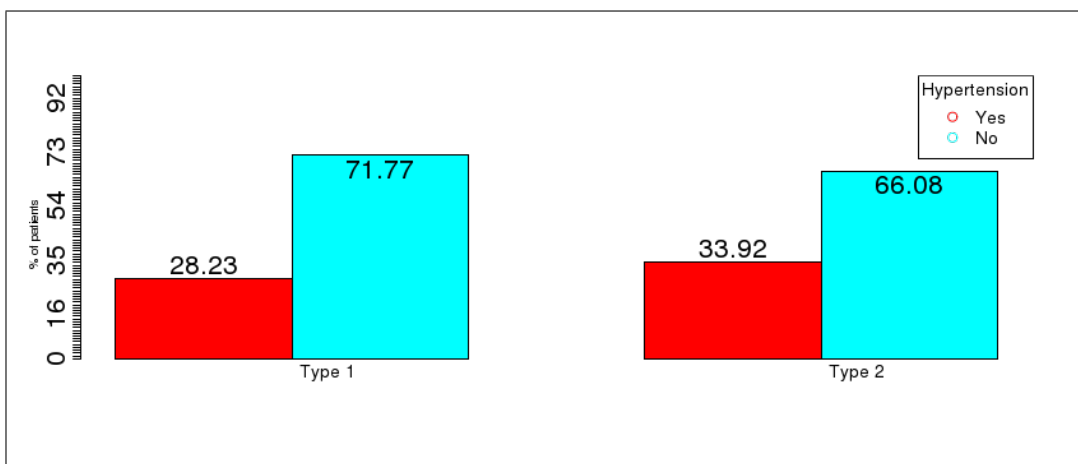
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Hypertension (by Age Classes)



Barplot: Hypertension (by Gender)



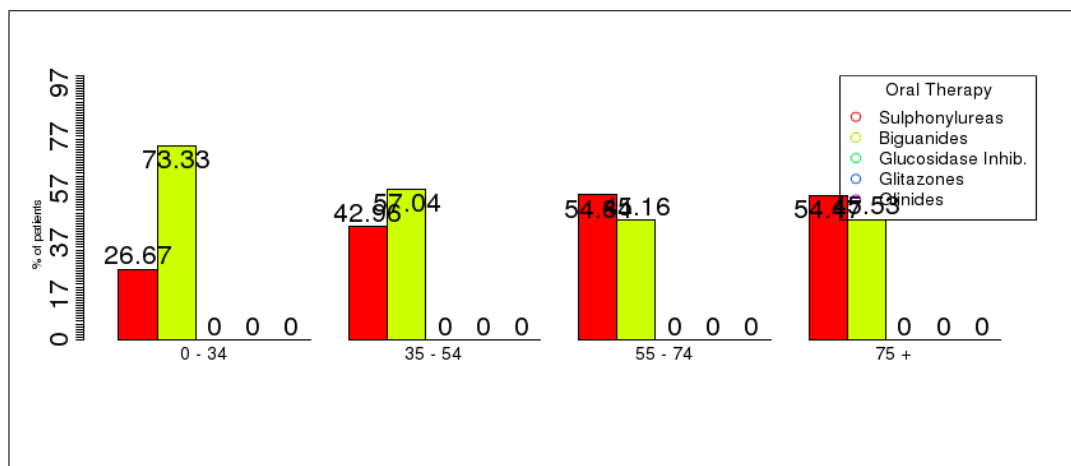
Barplot: Hypertension (by Type of Diabetes)

5.2.9 Type of oral therapy (distribution of agents) in patients with diabetes type 2

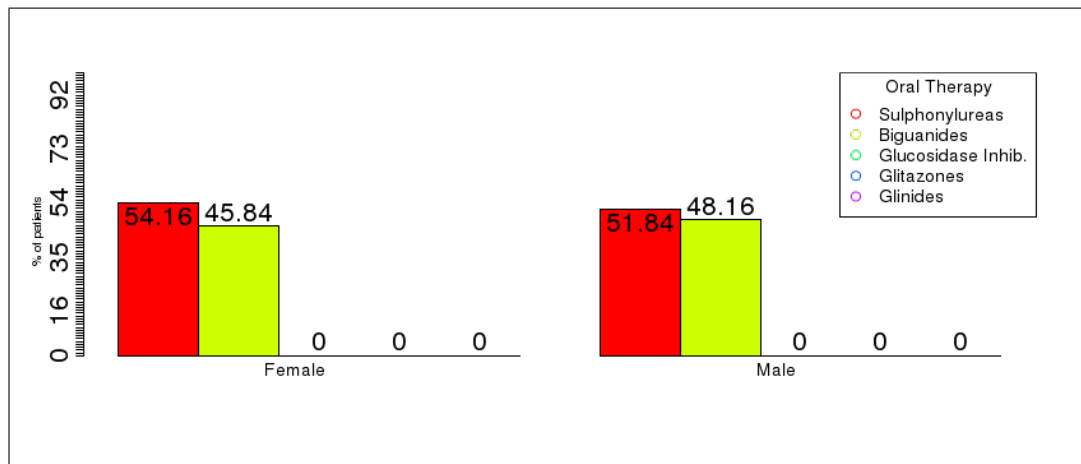
Reference Date: 31/12/2002

tab	Obs	Denom	agec	sex	Percentage
1	14	40	0 - 34	Male	35.00
2	2	20	0 - 34	Female	10.00
3	232	554	35 - 54	Male	41.88
4	122	270	35 - 54	Female	45.19
5	1032	1986	55 - 74	Male	51.96
6	906	1548	55 - 74	Female	58.53
7	484	819	75 +	Male	59.10
8	558	1094	75 +	Female	51.01
9	3350	6331	NA	NA	52.91

chitab	Chi-Squared	p.value	df	centre_id
C-M-H Chi-Squared Test	54.2856963335062	9.751773e-12	3	rrdmcentre2



Barplot: Oral Therapy (by Age Classes)



5.2.10 Portion of patients treated with insulin among patients with diabetes

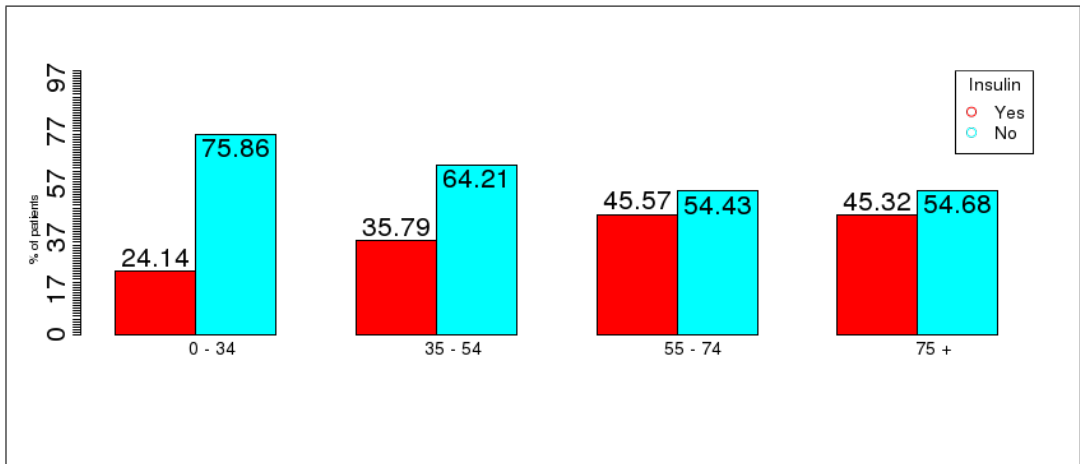
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	10	22	0 - 34	Male	Type 1	45.45
3	2	14	0 - 34	Female	Type 1	14.29
5	10	26	35 - 54	Male	Type 1	38.46
7	16	24	35 - 54	Female	Type 1	66.67
9	8	18	55 - 74	Male	Type 1	44.44
11	6	12	55 - 74	Female	Type 1	50.00
13	2	6	75 +	Male	Type 1	33.33
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

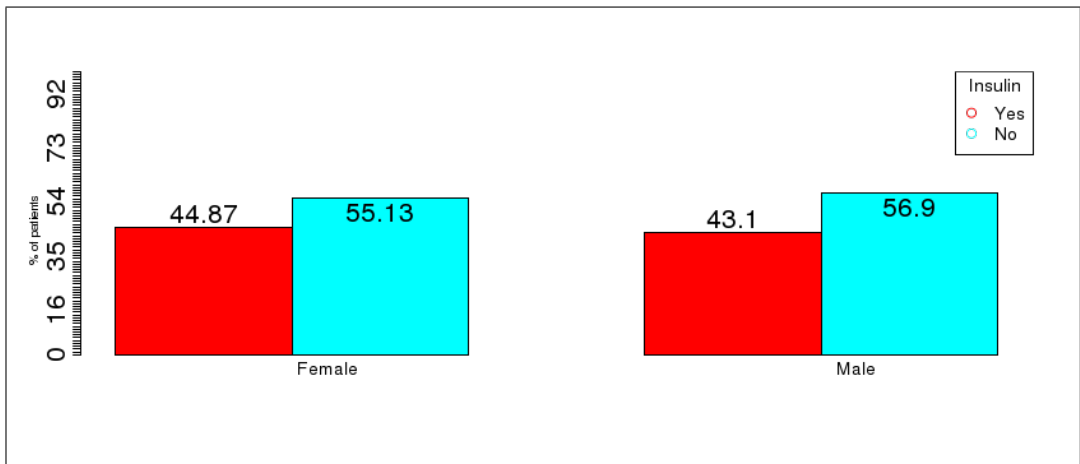
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	2	16	0 - 34	Male	Type 2	12.50
4	0	6	0 - 34	Female	Type 2	0.00
6	160	466	35 - 54	Male	Type 2	34.33
8	76	216	35 - 54	Female	Type 2	35.19
10	714	1658	55 - 74	Male	Type 2	43.06
12	608	1244	55 - 74	Female	Type 2	48.87
14	334	665	75 +	Male	Type 2	50.23
16	386	920	75 +	Female	Type 2	41.96
NA			NA	NA	NA	

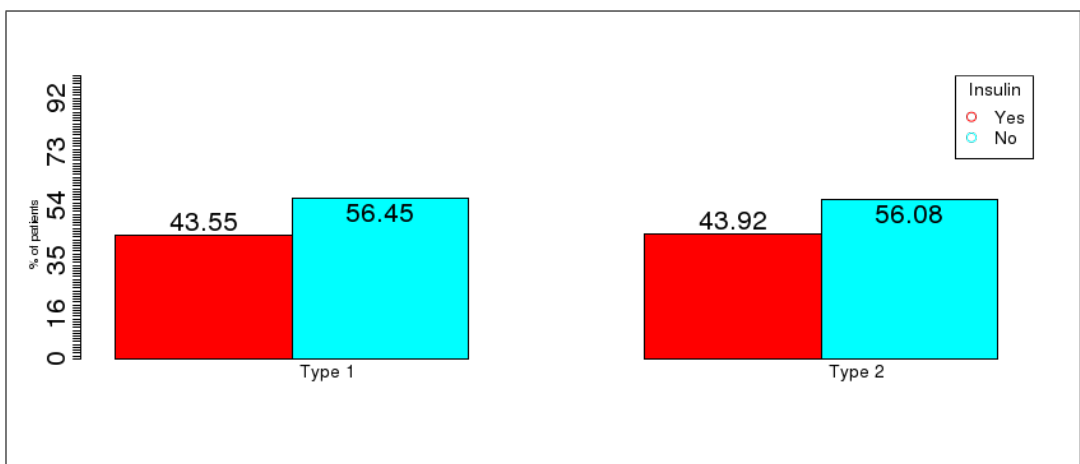
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Insulin (by Age Classes)



Barplot: Insulin (by Gender)



Barplot: Insulin (by Type of Diabetes)

5.2.11 Portion of patients treated with insulin in combination with OADs among patients with diabetes

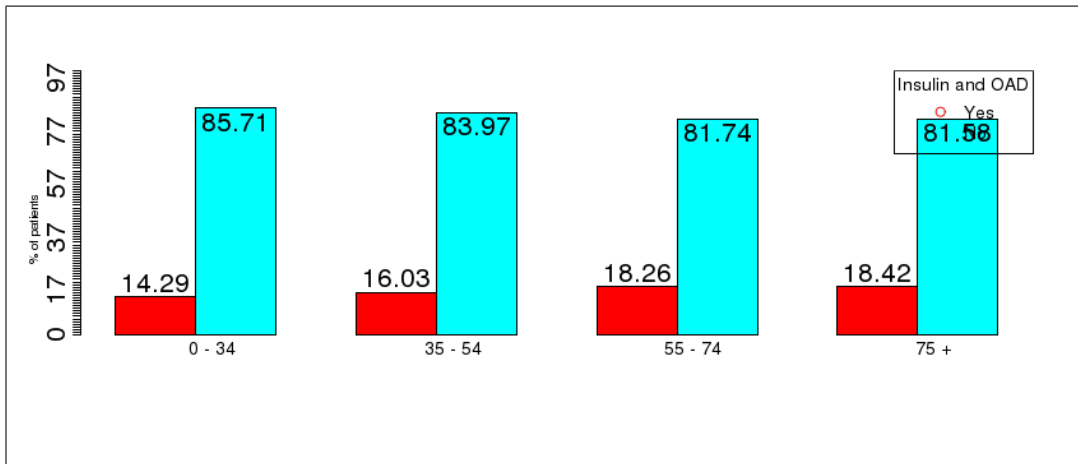
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	2	10	0 - 34	Male	Type 1	20.00
3	0	2	0 - 34	Female	Type 1	0.00
5	3	10	35 - 54	Male	Type 1	30.00
7	3	16	35 - 54	Female	Type 1	18.75
9	1	8	55 - 74	Male	Type 1	12.50
11	2	6	55 - 74	Female	Type 1	33.33
13	0	2	75 +	Male	Type 1	0.00
15	0	0	75 +	Female	Type 1	
NA			NA	NA	NA	

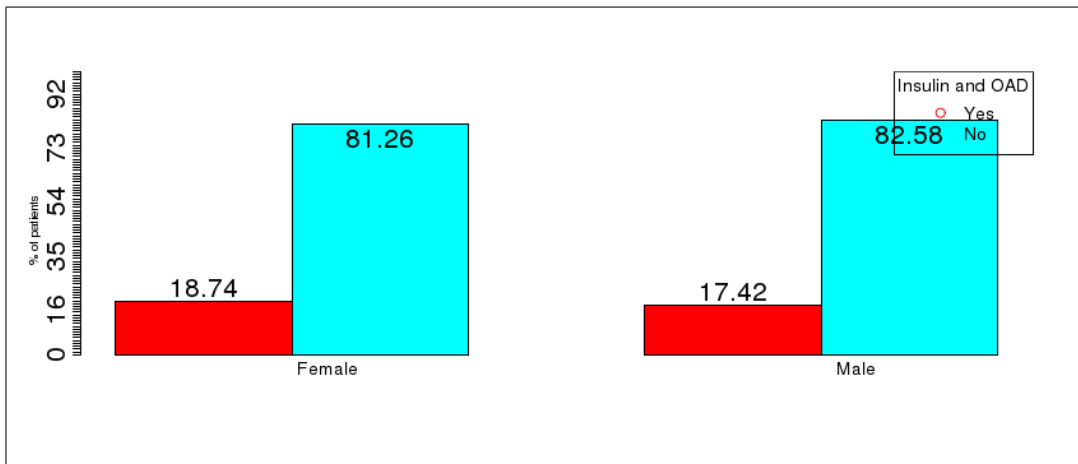
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	0	2	0 - 34	Male	Type 2	0.00
4	0	0	0 - 34	Female	Type 2	
6	22	160	35 - 54	Male	Type 2	13.75
8	14	76	35 - 54	Female	Type 2	18.42
10	128	714	55 - 74	Male	Type 2	17.93
12	113	608	55 - 74	Female	Type 2	18.59
14	60	334	75 +	Male	Type 2	17.96
16	73	386	75 +	Female	Type 2	18.91
NA			NA	NA	NA	

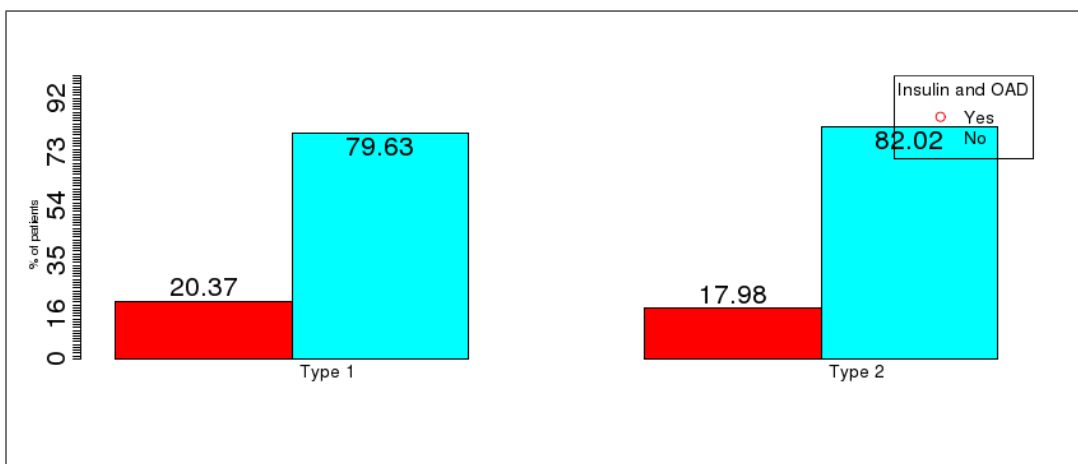
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Insulin and OAD (by Age Classes)



Barplot: Insulin and OAD (by Gender)



Barplot: Insulin and OAD (by Type of Diabetes)

5.2.12 Percentage of insulin treated patients with pump therapy

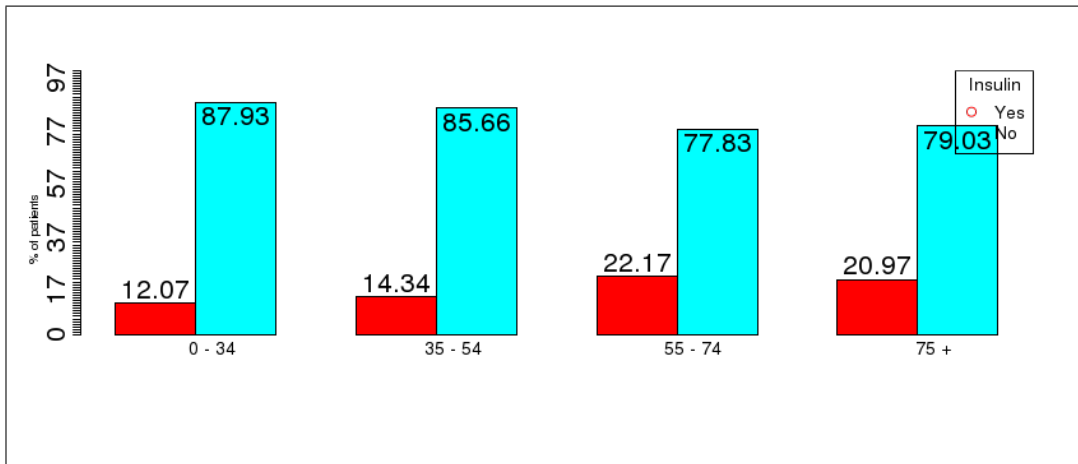
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	5	22	0 - 34	Male	Type 1	22.73
3	1	14	0 - 34	Female	Type 1	7.14
5	4	26	35 - 54	Male	Type 1	15.38
7	5	24	35 - 54	Female	Type 1	20.83
9	6	18	55 - 74	Male	Type 1	33.33
11	2	12	55 - 74	Female	Type 1	16.67
13	1	6	75 +	Male	Type 1	16.67
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

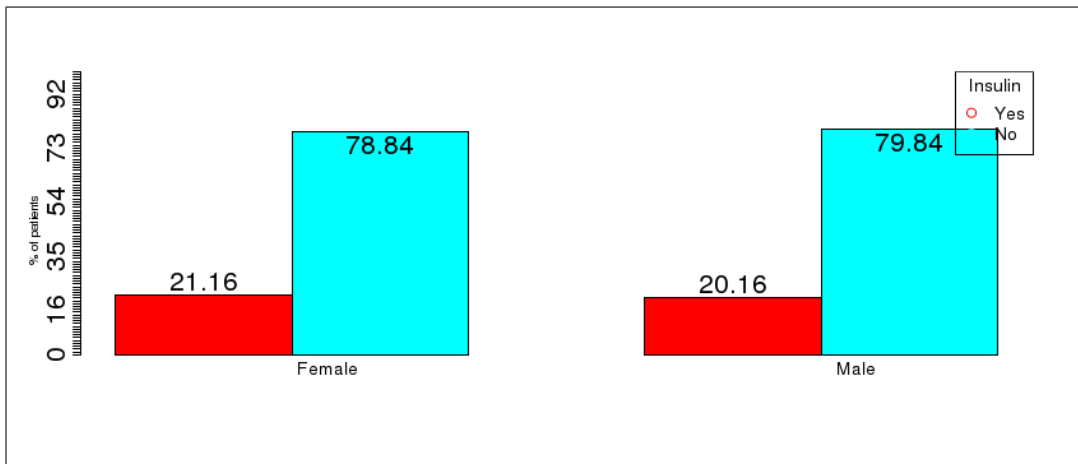
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	1	16	0 - 34	Male	Type 2	6.25
4	0	6	0 - 34	Female	Type 2	0.00
6	68	466	35 - 54	Male	Type 2	14.59
8	28	216	35 - 54	Female	Type 2	12.96
10	341	1658	55 - 74	Male	Type 2	20.57
12	301	1244	55 - 74	Female	Type 2	24.20
14	154	665	75 +	Male	Type 2	23.16
16	179	920	75 +	Female	Type 2	19.46
NA			NA	NA	NA	

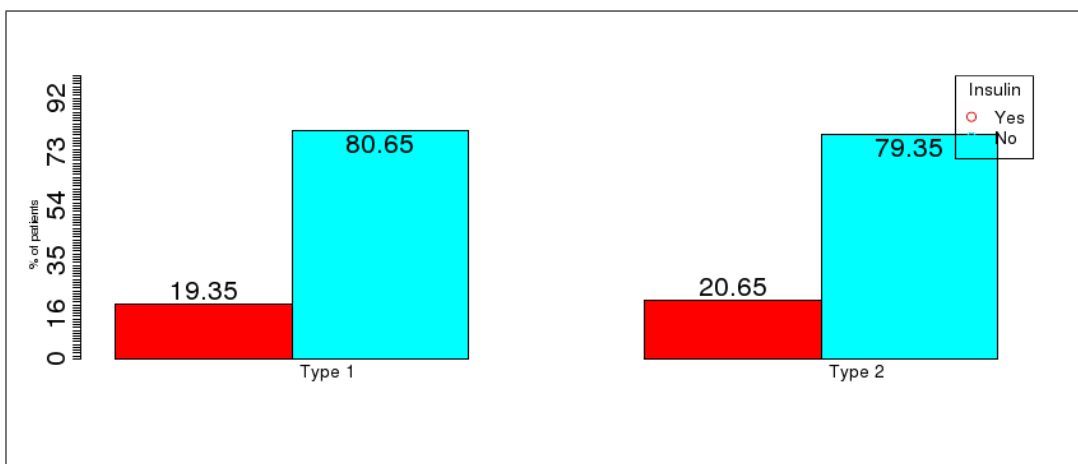
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Insulin (by Age Classes)



Barplot: Insulin (by Gender)



Barplot: Insulin (by Type of Diabetes)

5.2.13 Portion of diabetes patients with anti hypertensive treatment

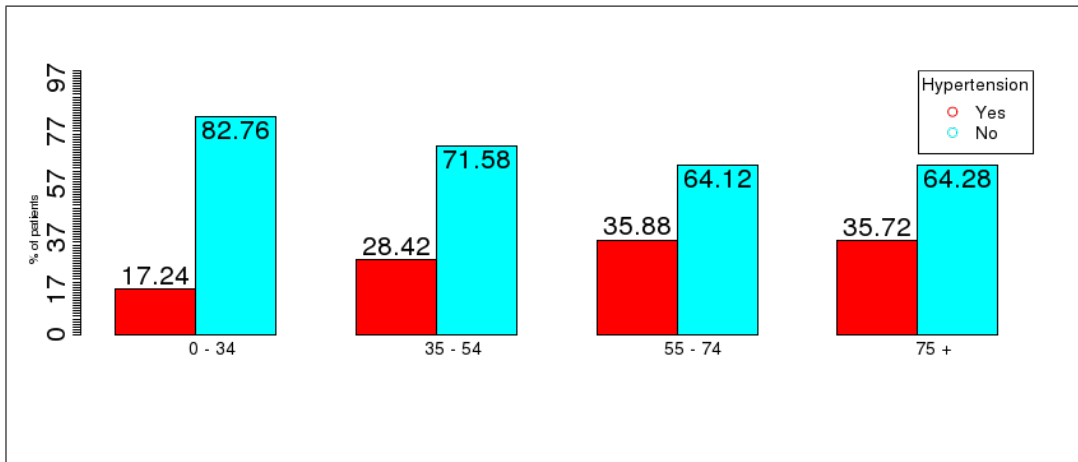
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	7	22	0 - 34	Male	Type 1	31.82
3	2	14	0 - 34	Female	Type 1	14.29
5	7	26	35 - 54	Male	Type 1	26.92
7	11	24	35 - 54	Female	Type 1	45.83
9	7	18	55 - 74	Male	Type 1	38.89
11	4	12	55 - 74	Female	Type 1	33.33
13	2	6	75 +	Male	Type 1	33.33
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

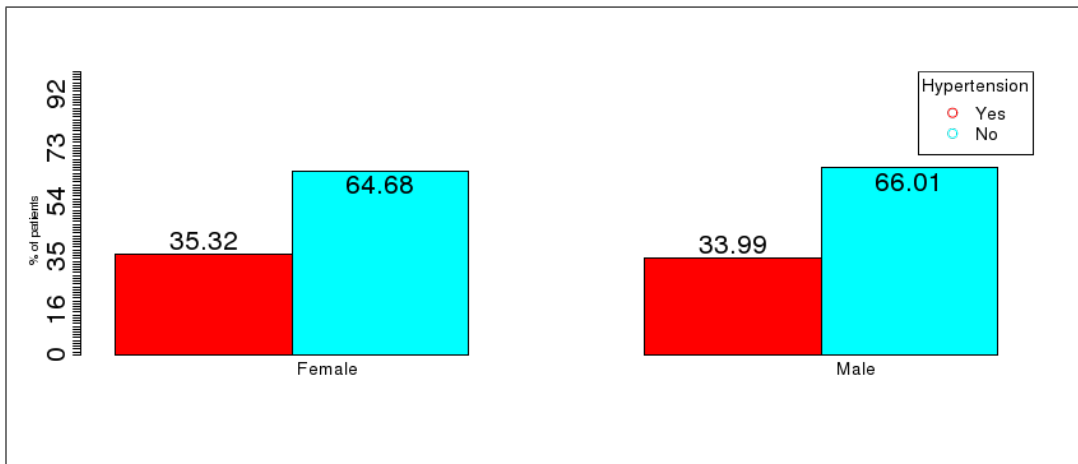
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	1	16	0 - 34	Male	Type 2	6.25
4	0	6	0 - 34	Female	Type 2	0.00
6	133	466	35 - 54	Male	Type 2	28.54
8	57	216	35 - 54	Female	Type 2	26.39
10	554	1658	55 - 74	Male	Type 2	33.41
12	487	1244	55 - 74	Female	Type 2	39.15
14	267	665	75 +	Male	Type 2	40.15
16	300	920	75 +	Female	Type 2	32.61
NA			NA	NA	NA	

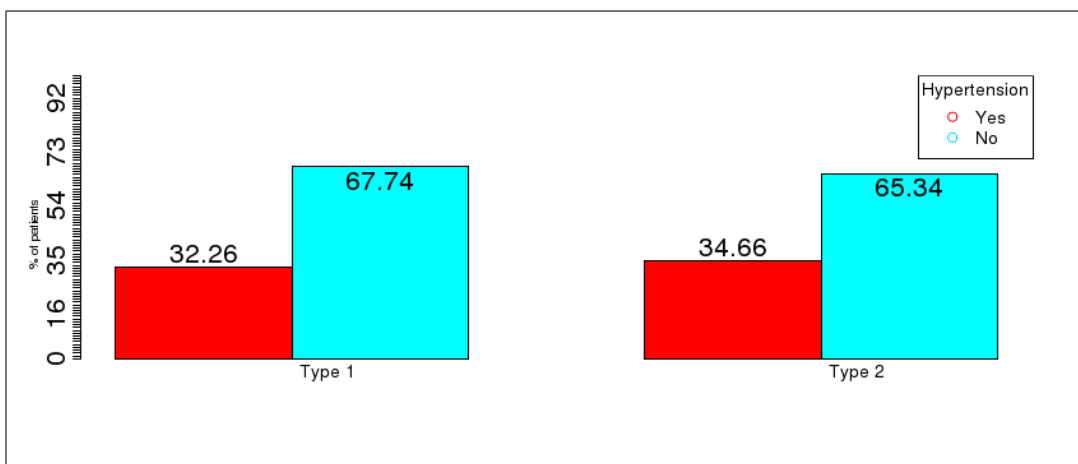
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Hypertension (by Age Classes)



Barplot: Hypertension (by Gender)



Barplot: Hypertension (by Type of Diabetes)

5.2.14 Portion of diabetes patients with lipid lowering treatment

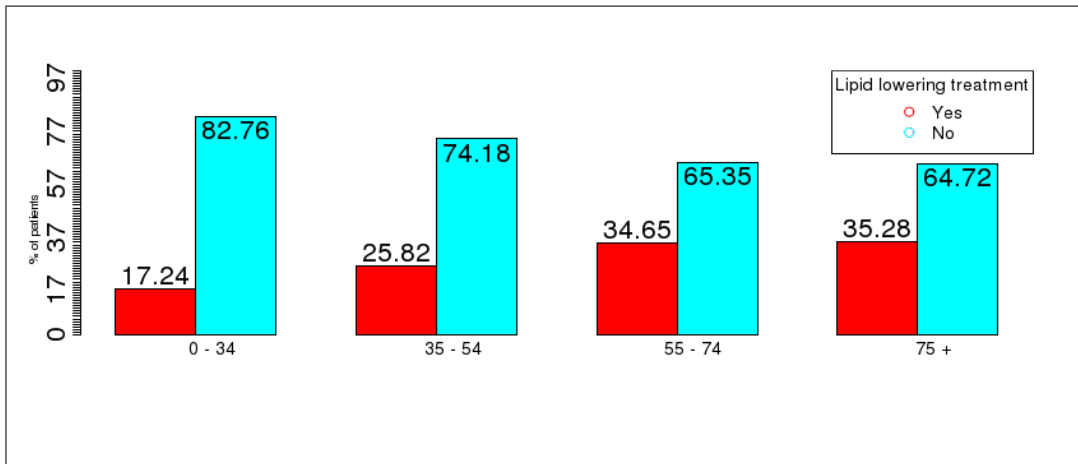
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	7	22	0 - 34	Male	Type 1	31.82
3	1	14	0 - 34	Female	Type 1	7.14
5	6	26	35 - 54	Male	Type 1	23.08
7	11	24	35 - 54	Female	Type 1	45.83
9	7	18	55 - 74	Male	Type 1	38.89
11	6	12	55 - 74	Female	Type 1	50.00
13	1	6	75 +	Male	Type 1	16.67
15	0	2	75 +	Female	Type 1	0.00
NA			NA	NA	NA	

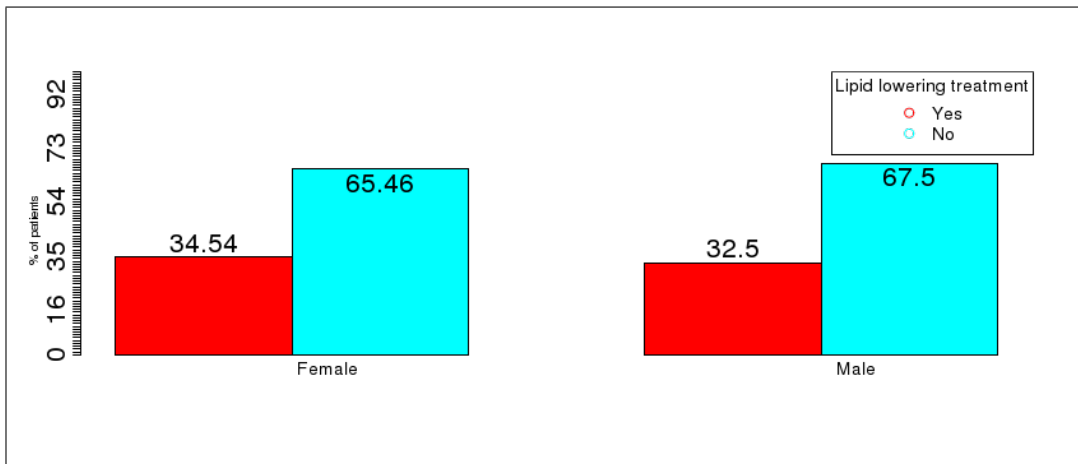
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	2	16	0 - 34	Male	Type 2	12.50
4	0	6	0 - 34	Female	Type 2	0.00
6	116	466	35 - 54	Male	Type 2	24.89
8	56	216	35 - 54	Female	Type 2	25.93
10	537	1658	55 - 74	Male	Type 2	32.39
12	466	1244	55 - 74	Female	Type 2	37.46
14	259	665	75 +	Male	Type 2	38.95
16	302	920	75 +	Female	Type 2	32.83
NA			NA	NA	NA	

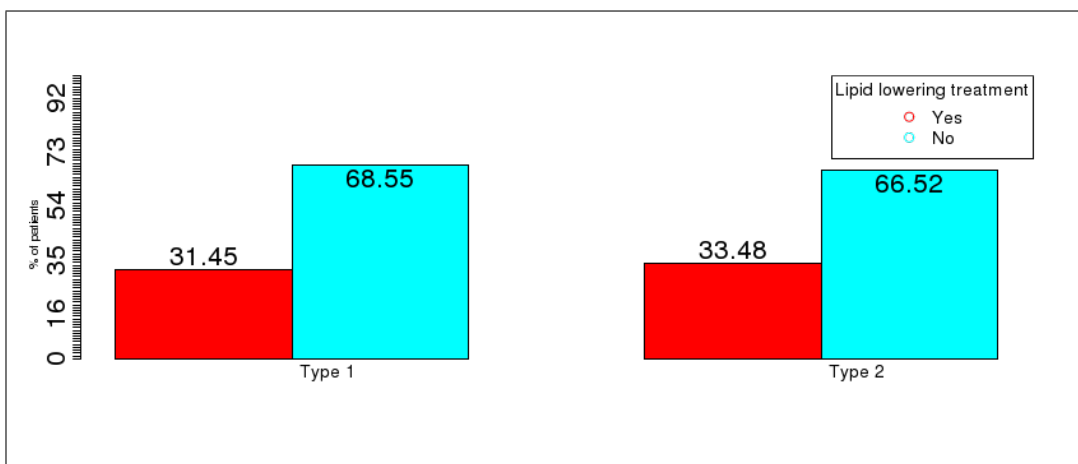
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: Lipid lowering treatment (by Age Classes)



Barplot: Lipid lowering treatment (by Gender)



Barplot: Lipid lowering treatment (by Type of Diabetes)

5.2.15 Portion of diabetes patients with ASA treatment

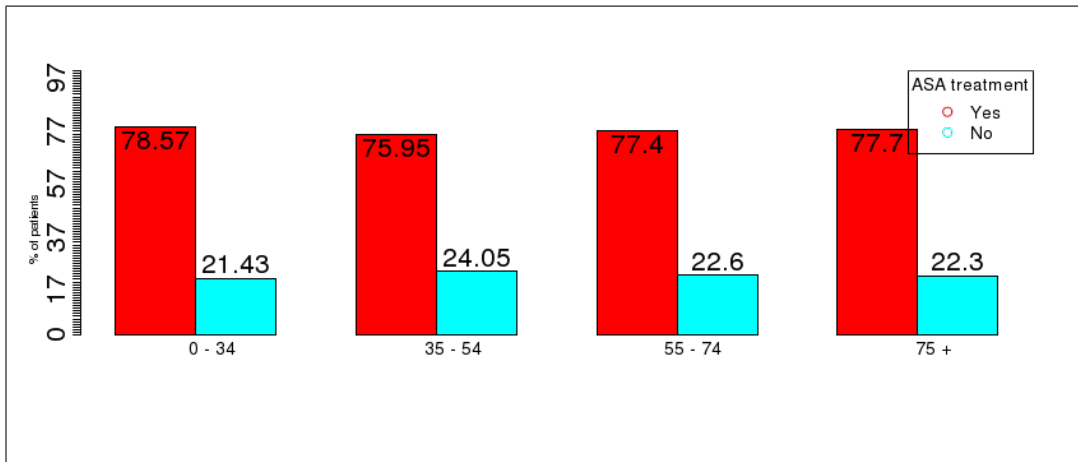
Reference Date: 31/12/2002

printtab	Obs	Denom	agec	sex	typedm	Percentage
1	8	10	0 - 34	Male	Type 1	80.00
3	1	2	0 - 34	Female	Type 1	50.00
5	5	10	35 - 54	Male	Type 1	50.00
7	8	16	35 - 54	Female	Type 1	50.00
9	4	8	55 - 74	Male	Type 1	50.00
11	4	6	55 - 74	Female	Type 1	66.67
13	1	2	75 +	Male	Type 1	50.00
15	0	0	75 +	Female	Type 1	
NA			NA	NA	NA	

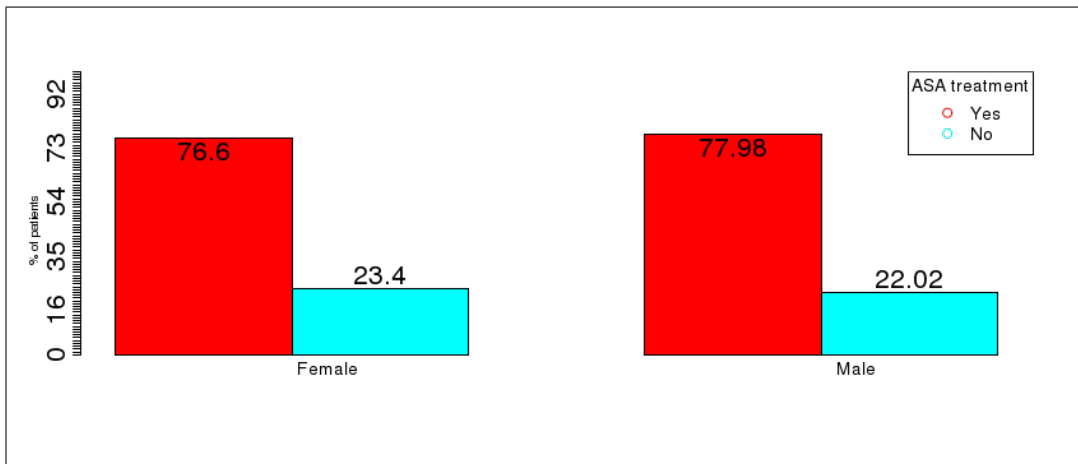
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

printtab	Obs	Denom	agec	sex	typedm	Percentage
2	2	2	0 - 34	Male	Type 2	100.00
4	0	0	0 - 34	Female	Type 2	
6	123	160	35 - 54	Male	Type 2	76.88
8	63	76	35 - 54	Female	Type 2	82.89
10	560	714	55 - 74	Male	Type 2	78.43
12	466	608	55 - 74	Female	Type 2	76.64
14	264	334	75 +	Male	Type 2	79.04
16	296	386	75 +	Female	Type 2	76.68
NA			NA	NA	NA	

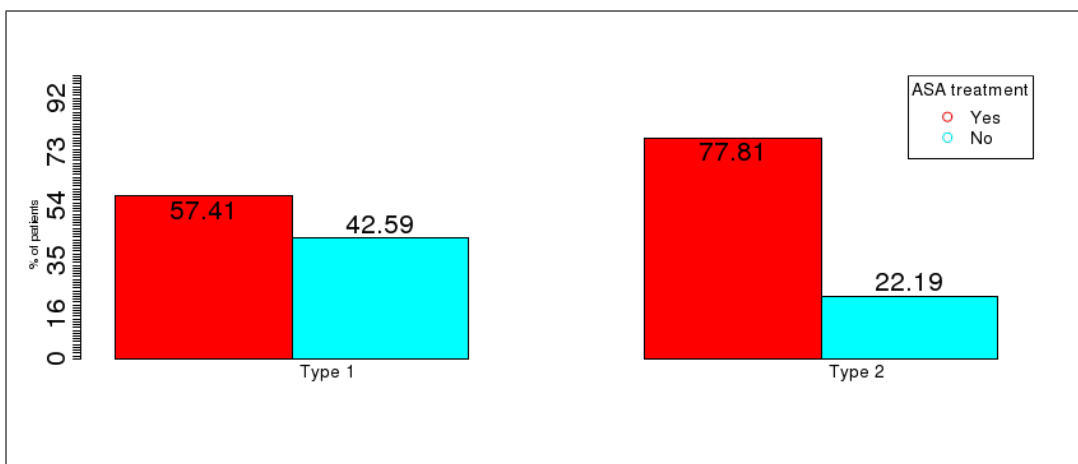
chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs



Barplot: ASA treatment (by Age Classes)



Barplot: ASA treatment (by Gender)



Barplot: ASA treatment (by Type of Diabetes)

5.2.16 Percent of patients with diabetes performing selfmonitoring of blood glucose/ urine testing

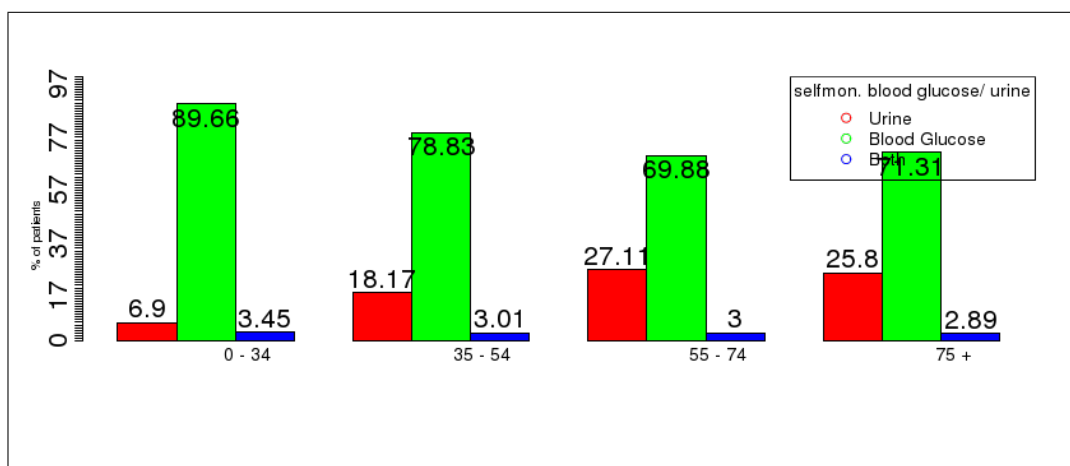
Reference Date: 31/12/2002

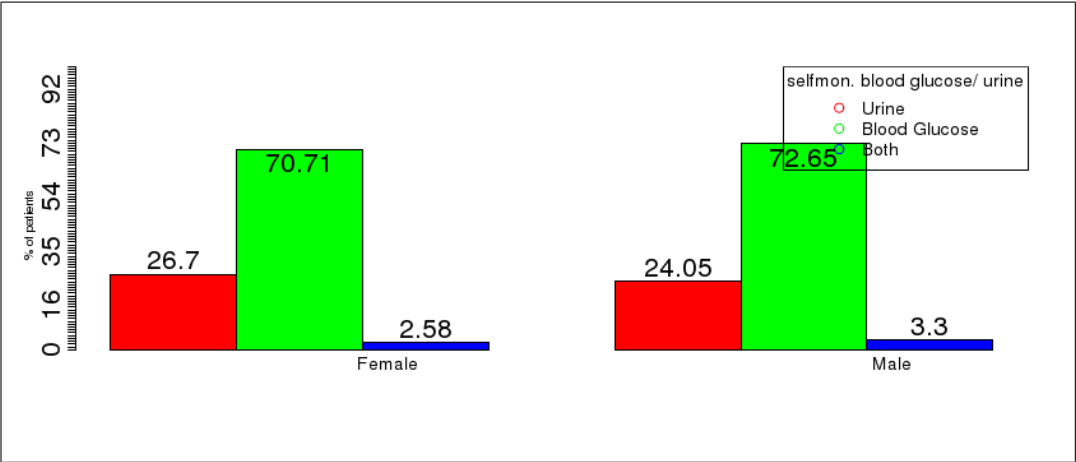
printtab	Obs	Denom	agec	sex	typedm	Percentage
1	4	20	0 - 34	Male	Type 1	20.00
2	4	6	0 - 34	Male	Type 1	66.67
5	0	14	0 - 34	Female	Type 1	0.00
6	0	0	0 - 34	Female	Type 1	
9	6	25	35 - 54	Male	Type 1	24.00
10	6	7	35 - 54	Male	Type 1	85.71
13	6	23	35 - 54	Female	Type 1	26.09
14	6	7	35 - 54	Female	Type 1	85.71
17	4	18	55 - 74	Male	Type 1	22.22
18	4	4	55 - 74	Male	Type 1	100.00
21	2	12	55 - 74	Female	Type 1	16.67
22	2	2	55 - 74	Female	Type 1	100.00
25	1	6	75 +	Male	Type 1	16.67
26	1	1	75 +	Male	Type 1	100.00
29	0	2	75 +	Female	Type 1	0.00
30	0	0	75 +	Female	Type 1	
NA			NA	NA	NA	

chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs

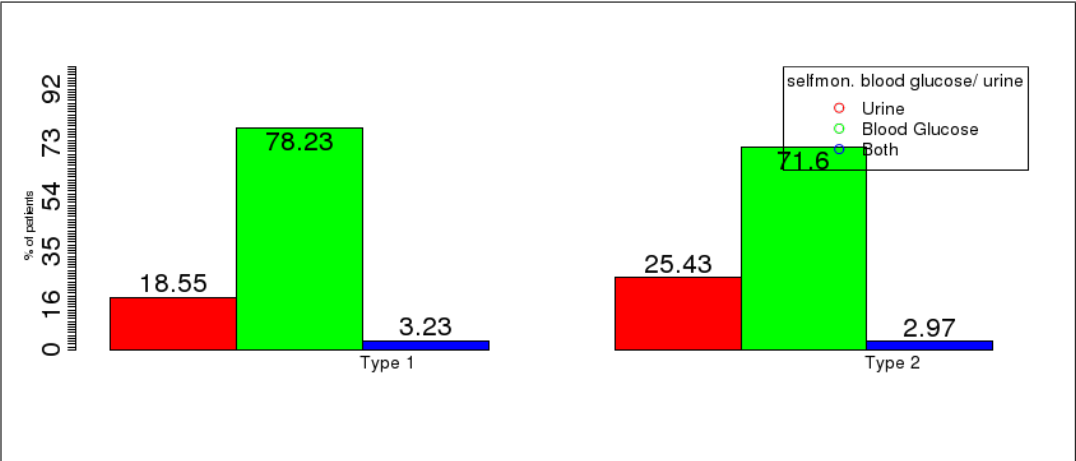
printtab	Obs	Denom	agec	sex	typedm	Percentage
3	0	16	0 - 34	Male	Type 2	0.00
4	0	0	0 - 34	Male	Type 2	
7	0	6	0 - 34	Female	Type 2	0.00
8	0	0	0 - 34	Female	Type 2	
11	82	452	35 - 54	Male	Type 2	18.14
12	82	96	35 - 54	Male	Type 2	85.42
15	39	210	35 - 54	Female	Type 2	18.57
16	39	45	35 - 54	Female	Type 2	86.67
19	420	1603	55 - 74	Male	Type 2	26.20
20	420	475	55 - 74	Male	Type 2	88.42
23	369	1211	55 - 74	Female	Type 2	30.47
24	369	402	55 - 74	Female	Type 2	91.79
27	175	642	75 +	Male	Type 2	27.26
28	175	198	75 +	Male	Type 2	88.38
31	235	897	75 +	Female	Type 2	26.20
32	235	258	75 +	Female	Type 2	91.09
NA			NA	NA	NA	

chilist	C-M-H Chi-Squared Test
1	One or more cells have less than 2 obs





Barplot: selfmon. blood glucose/ urine (by Gender)



Barplot: selfmon. blood glucose/ urine (by Type of Diabetes)

5.3. Outcome quality - intermediate outcomes

5.3.1 Percentage of patients with most recent HbA1c level greater than 9.0 pct (poor control)

Reference Date: 31/12/2002

datastd	Obs	Denom	agec	sex	typedm	Percentage
1	6	10	0 - 34	Male	Type 1	60.00
2	2	2	0 - 34	Male	Type 2	100.00
3	1	2	0 - 34	Female	Type 1	50.00
4	0	0	0 - 34	Female	Type 2	
5	8	9	35 - 54	Male	Type 1	88.89
6	117	156	35 - 54	Male	Type 2	75.00
7	12	15	35 - 54	Female	Type 1	80.00
8	55	73	35 - 54	Female	Type 2	75.34
9	8	8	55 - 74	Male	Type 1	100.00
10	524	671	55 - 74	Male	Type 2	78.09
11	6	6	55 - 74	Female	Type 1	100.00
12	455	589	55 - 74	Female	Type 2	77.25
13	2	2	75 +	Male	Type 1	100.00
14	253	315	75 +	Male	Type 2	80.32
15	0	0	75 +	Female	Type 1	
16	280	369	75 +	Female	Type 2	75.88
17	1729	2227	NA	NA	NA	77.64

5.3.2 Percentage of patients with most recent HbA1c level greater than 7,5 pct

Reference Date: 31/12/2002

datastd	Obs	Denom	agec	sex	typedm	Percentage
1	4	10	0 - 34	Male	Type 1	40.00
2	1	2	0 - 34	Male	Type 2	50.00
3	1	2	0 - 34	Female	Type 1	50.00
4	0	0	0 - 34	Female	Type 2	
5	5	9	35 - 54	Male	Type 1	55.56
6	76	156	35 - 54	Male	Type 2	48.72
7	6	15	35 - 54	Female	Type 1	40.00
8	33	73	35 - 54	Female	Type 2	45.21
9	4	8	55 - 74	Male	Type 1	50.00
10	337	671	55 - 74	Male	Type 2	50.22
11	5	6	55 - 74	Female	Type 1	83.33
12	277	589	55 - 74	Female	Type 2	47.03
13	1	2	75 +	Male	Type 1	50.00
14	152	315	75 +	Male	Type 2	48.25
15	0	0	75 +	Female	Type 1	
16	190	369	75 +	Female	Type 2	51.49
17	1092	2227	NA	NA	NA	49.03

5.3.3 Percentage of patients with most recent blood pressure less than 140/90 mmHg

Reference Date: 31/12/2002

datastd	Obs	Denom	agec	sex	typedm	Percentage
1	2	2	0 - 34	Male	Type 1	100.00
2	0	0	0 - 34	Male	Type 2	
3	0	0	0 - 34	Female	Type 1	
4	0	0	0 - 34	Female	Type 2	
5	0	2	35 - 54	Male	Type 1	0.00
6	40	80	35 - 54	Male	Type 2	50.00
7	6	6	35 - 54	Female	Type 1	100.00
8	16	40	35 - 54	Female	Type 2	40.00
9	2	4	55 - 74	Male	Type 1	50.00
10	128	382	55 - 74	Male	Type 2	33.51
11	2	4	55 - 74	Female	Type 1	50.00
12	86	322	55 - 74	Female	Type 2	26.71
13	0	0	75 +	Male	Type 1	
14	26	126	75 +	Male	Type 2	20.63
15	0	0	75 +	Female	Type 1	
16	44	148	75 +	Female	Type 2	29.73
17	352	1116	NA	NA	NA	31.54

5.3.4 Percentage of patients with BMI greater than 30

Reference Date: 31/12/2002

datastd	Obs	Denom	agec	sex	typedm	Percentage
1	5	10	0 - 34	Male	Type 1	50.00
2	0	2	0 - 34	Male	Type 2	0.00
3	0	2	0 - 34	Female	Type 1	0.00
4	0	0	0 - 34	Female	Type 2	
5	7	10	35 - 54	Male	Type 1	70.00
6	57	160	35 - 54	Male	Type 2	35.62
7	10	16	35 - 54	Female	Type 1	62.50
8	32	76	35 - 54	Female	Type 2	42.11
9	4	8	55 - 74	Male	Type 1	50.00
10	297	714	55 - 74	Male	Type 2	41.60
11	3	6	55 - 74	Female	Type 1	50.00
12	226	608	55 - 74	Female	Type 2	37.17
13	0	2	75 +	Male	Type 1	0.00
14	126	334	75 +	Male	Type 2	37.72
15	0	0	75 +	Female	Type 1	
16	152	386	75 +	Female	Type 2	39.38
17	919	2334	NA	NA	NA	39.37

5.3.5 Percentage with microalbuminuria in last 12 months (among those who have been tested)

Reference Date: 31/12/2002

datastd	Obs	Denom	agec	sex	typedm	Percentage
1	4	10	0 - 34	Male	Type 1	40.00
2	1	2	0 - 34	Male	Type 2	50.00
3	1	2	0 - 34	Female	Type 1	50.00
4	0	0	0 - 34	Female	Type 2	
5	6	10	35 - 54	Male	Type 1	60.00
6	67	160	35 - 54	Male	Type 2	41.88
7	6	16	35 - 54	Female	Type 1	37.50
8	33	76	35 - 54	Female	Type 2	43.42
9	5	8	55 - 74	Male	Type 1	62.50
10	282	714	55 - 74	Male	Type 2	39.50
11	2	6	55 - 74	Female	Type 1	33.33
12	248	608	55 - 74	Female	Type 2	40.79
13	1	2	75 +	Male	Type 1	50.00
14	124	334	75 +	Male	Type 2	37.13
15	0	0	75 +	Female	Type 1	
16	149	386	75 +	Female	Type 2	38.60
17	929	2334	NA	NA	NA	39.80

5.3.6 Rate of current smokers among diabetes patients

Reference Date: 31/12/2002

datastd	Obs	Denom	agec	sex	typedm	Percentage
1	5	22	0 - 34	Male	Type 1	22.73
2	1	16	0 - 34	Male	Type 2	6.25
3	1	14	0 - 34	Female	Type 1	7.14
4	0	6	0 - 34	Female	Type 2	0.00
5	9	27	35 - 54	Male	Type 1	33.33
6	109	488	35 - 54	Male	Type 2	22.34
7	5	24	35 - 54	Female	Type 1	20.83
8	48	221	35 - 54	Female	Type 2	21.72
9	6	20	55 - 74	Male	Type 1	30.00
10	490	1743	55 - 74	Male	Type 2	28.11
11	2	12	55 - 74	Female	Type 1	16.67
12	433	1330	55 - 74	Female	Type 2	32.56
13	0	6	75 +	Male	Type 1	0.00
14	230	703	75 +	Male	Type 2	32.72
15	0	2	75 +	Female	Type 1	0.00
16	299	973	75 +	Female	Type 2	30.73
17	1638	5607	NA	NA	NA	29.21

5.3.7 Former or current foot ulceration

Reference Date: 31/12/2002

datastd	Obs	Denom	agec	sex	typedm	Percentage
1	8	10	0 - 34	Male	Type 1	80.00
2	2	2	0 - 34	Male	Type 2	100.00
3	2	2	0 - 34	Female	Type 1	100.00
4	0	0	0 - 34	Female	Type 2	
5	9	10	35 - 54	Male	Type 1	90.00
6	139	160	35 - 54	Male	Type 2	86.88
7	14	16	35 - 54	Female	Type 1	87.50
8	66	76	35 - 54	Female	Type 2	86.84
9	8	8	55 - 74	Male	Type 1	100.00
10	626	714	55 - 74	Male	Type 2	87.68
11	6	6	55 - 74	Female	Type 1	100.00
12	535	608	55 - 74	Female	Type 2	87.99
13	2	2	75 +	Male	Type 1	100.00
14	291	334	75 +	Male	Type 2	87.13
15	0	0	75 +	Female	Type 1	
16	340	386	75 +	Female	Type 2	88.08
17	2048	2334	NA	NA	NA	87.75

5.4. Outcome quality - terminal outcomes

5.4.1 Annual incidence of dialysis and/or transplantation (renal replacement therapy in patients with diabetes

Reference Date: 31/12/2002

datastd	Obs	Denom	agec	sex	typedm	Rate x 1e+05
1	7	22	0 - 34	Male	Type 1	31818
2	0	16	0 - 34	Male	Type 2	0
3	0	14	0 - 34	Female	Type 1	0
4	0	6	0 - 34	Female	Type 2	0
5	7	26	35 - 54	Male	Type 1	26923
6	156	501	35 - 54	Male	Type 2	31138
7	10	24	35 - 54	Female	Type 1	41667
8	65	229	35 - 54	Female	Type 2	28384
9	4	18	55 - 74	Male	Type 1	22222
10	714	1823	55 - 74	Male	Type 2	39166
11	7	14	55 - 74	Female	Type 1	50000
12	604	1390	55 - 74	Female	Type 2	43453
13	2	6	75 +	Male	Type 1	33333
14	346	748	75 +	Male	Type 2	46257
15	0	2	75 +	Female	Type 1	0
16	391	1013	75 +	Female	Type 2	38598
17	2313	5852	NA	NA	NA	39525

5.4.2 ESRF in Persons with Diabetes

Reference Date: 31/12/2002

datastd	Obs	Denom	agec	sex	typedm	Rate x 1e+05
1	8	22	0 - 34	Male	Type 1	36364
2	1	16	0 - 34	Male	Type 2	6250
3	2	14	0 - 34	Female	Type 1	14286
4	0	6	0 - 34	Female	Type 2	0
5	9	26	35 - 54	Male	Type 1	34615
6	159	500	35 - 54	Male	Type 2	31800
7	9	24	35 - 54	Female	Type 1	37500
8	66	232	35 - 54	Female	Type 2	28448
9	9	19	55 - 74	Male	Type 1	47368
10	711	1814	55 - 74	Male	Type 2	39195
11	6	13	55 - 74	Female	Type 1	46154
12	613	1383	55 - 74	Female	Type 2	44324
13	2	6	75 +	Male	Type 1	33333
14	337	741	75 +	Male	Type 2	45479
15	0	2	75 +	Female	Type 1	0
16	387	1013	75 +	Female	Type 2	38203
17	2319	5831	NA	NA	NA	39770