

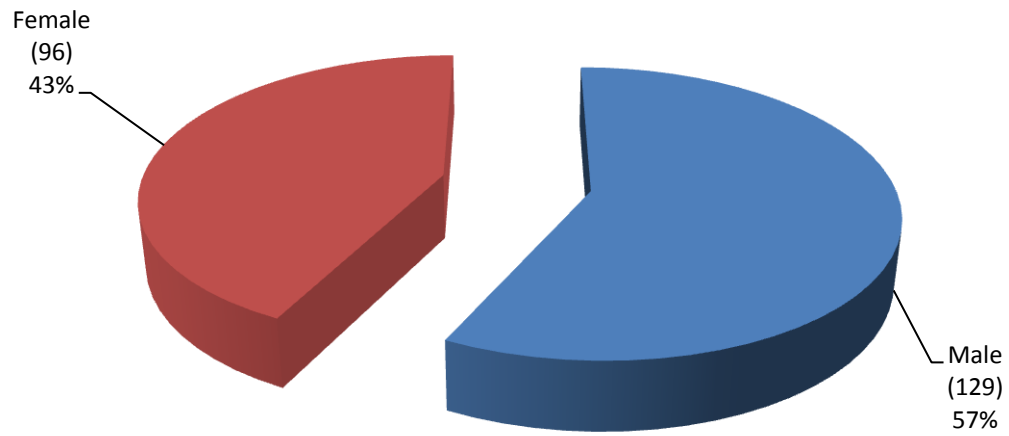
ECAD Audit 2015

Deirdre Hall & Joanne Lowe,
Community CNSs-Diabetes

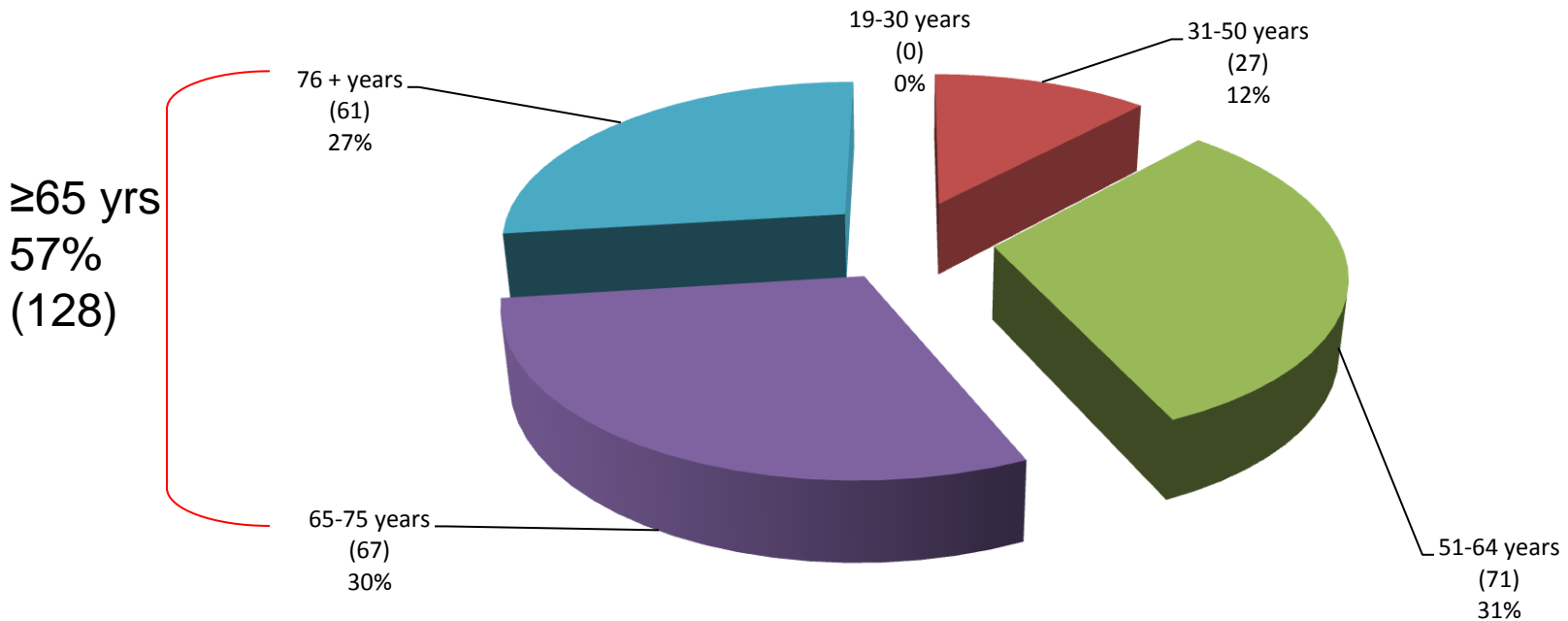
SCH, 29th February, 2016

- 23 practices
- 230 patients
- Random sample
- 2014 data
- Process & outcomes of care
- Comparison with ECAD Audit 2010
- Comparison with DIG, Diabetes Watch & Midlands Structured Care audits

Gender



Age

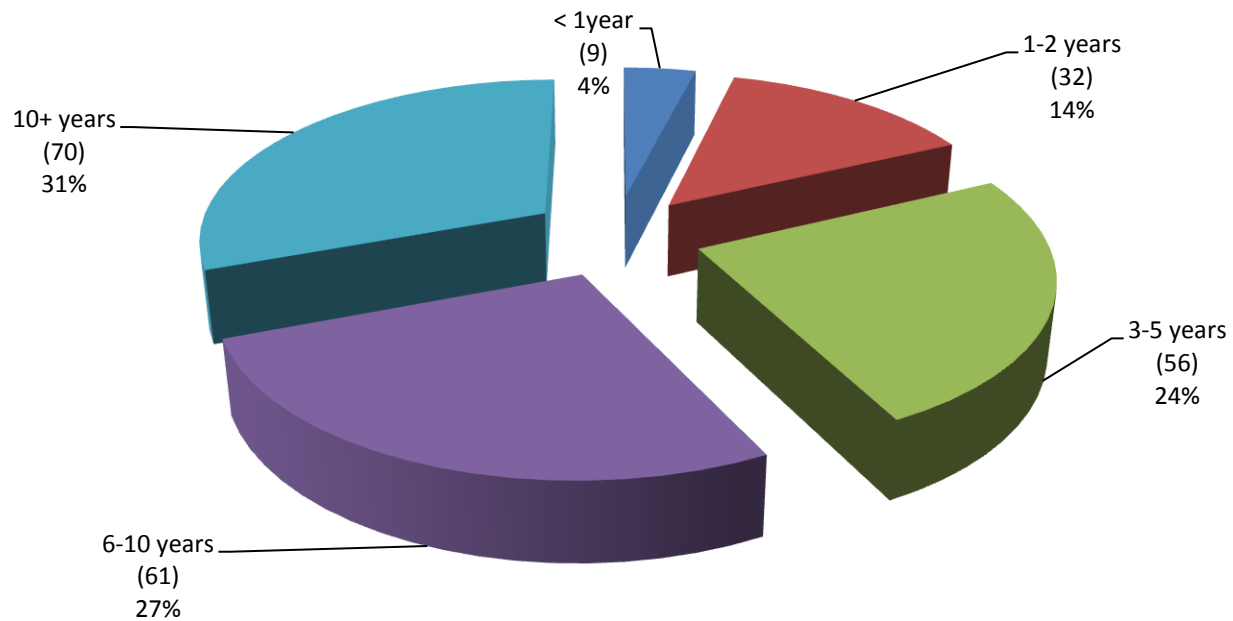


ECAD, 2010 (n 163)

65-75yrs: 23% (37)

>76yrs: 32% (20)

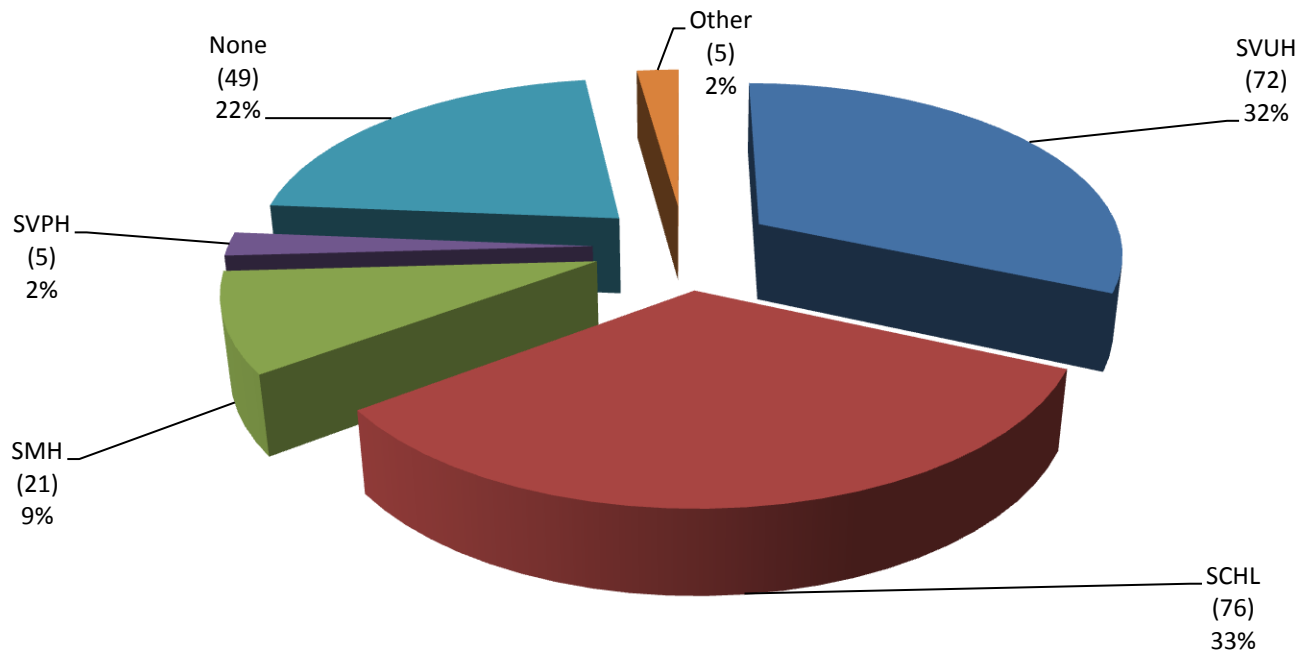
Duration of Diabetes



ECAD, 2010 (n 160)

10yrs+: 23% (37)

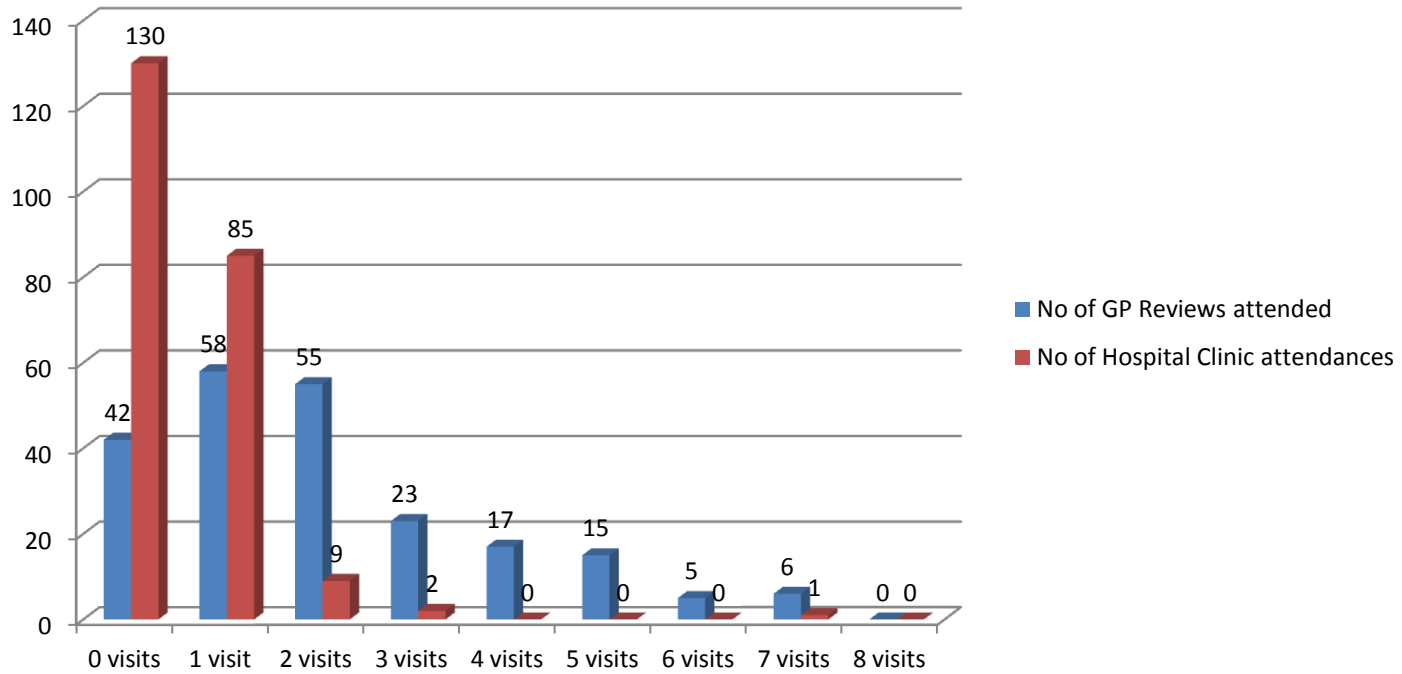
Hospital



ECAD, 2010 (n 173)

No Hosp: 0.6% (1)

Review



ECAD, 2010 GP Review

0 Visits: 35

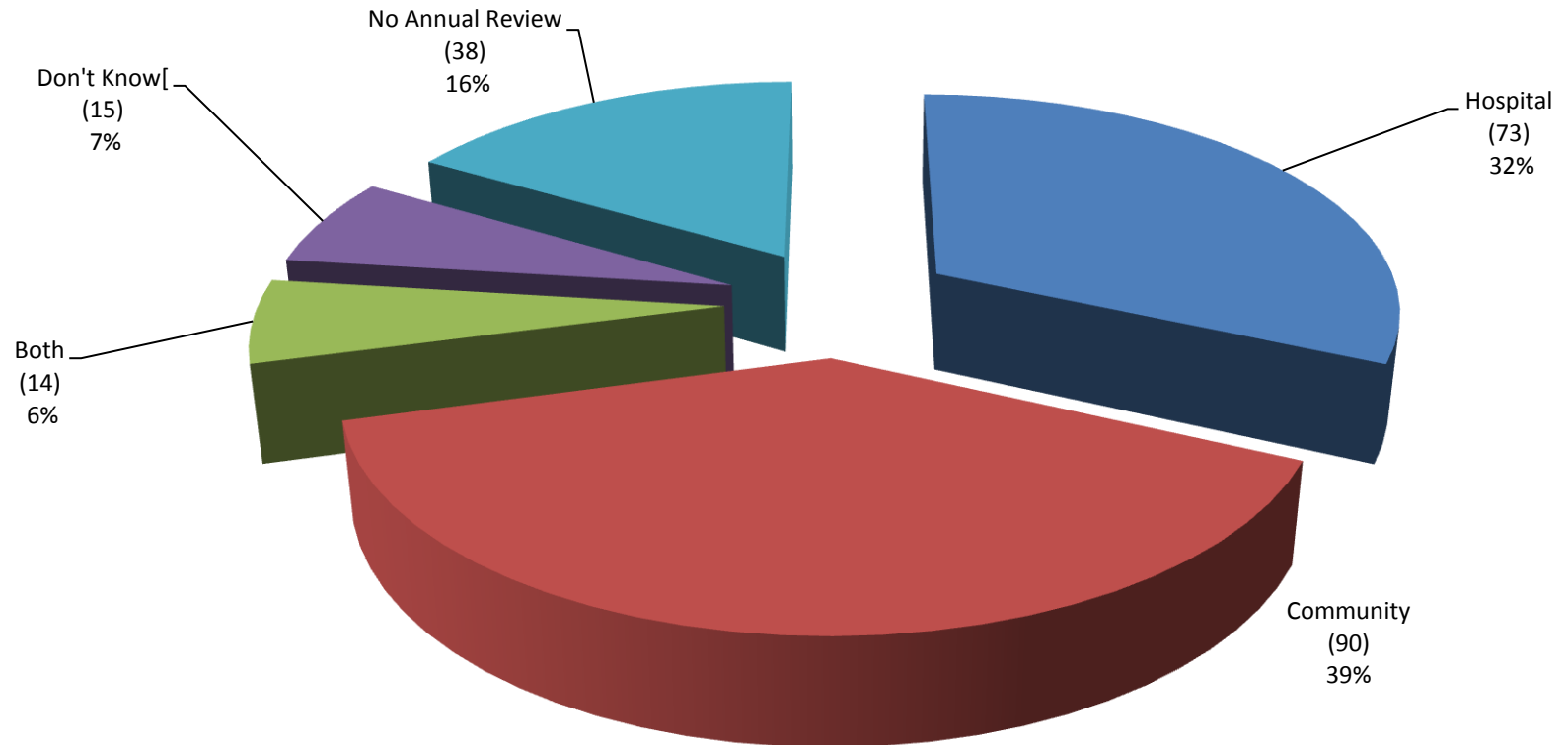
1 Visit: 66

ECAD, 2010 Hospital Review

0 Visits: 66

1 Visit: 92

Annual Review Location



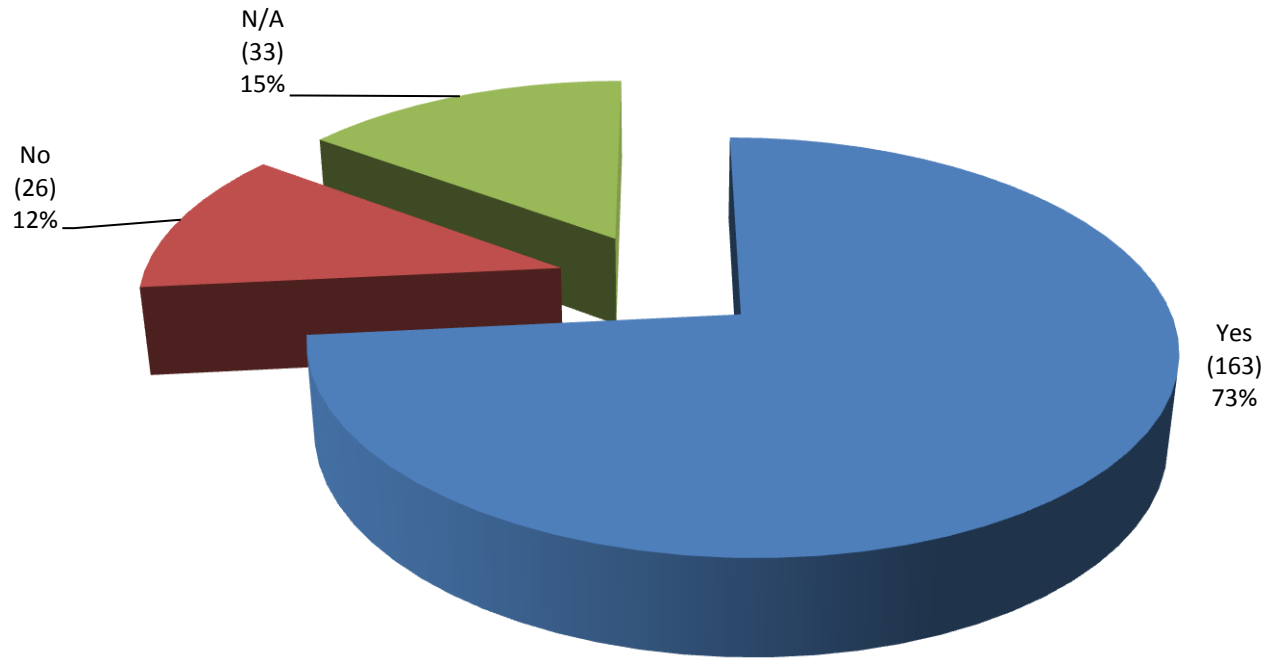
ECAD, 2010 (n 160)

No Annual Review: 33.1% (53)

Community: 3.8% (6)

Hospital: 61.9% (99)

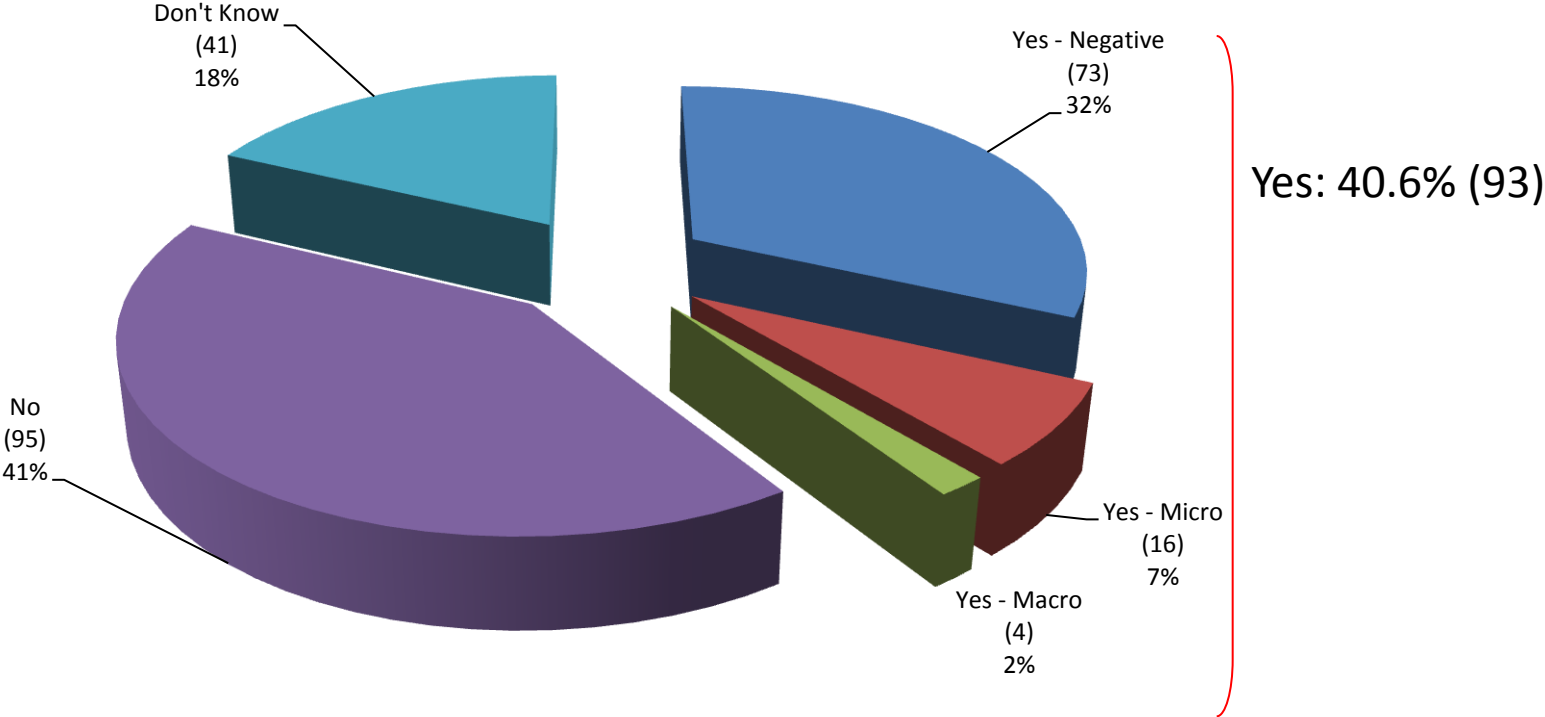
Annual Review Results on File



ECAD, 2010 (n 161)

Yes: 53.4% (86)

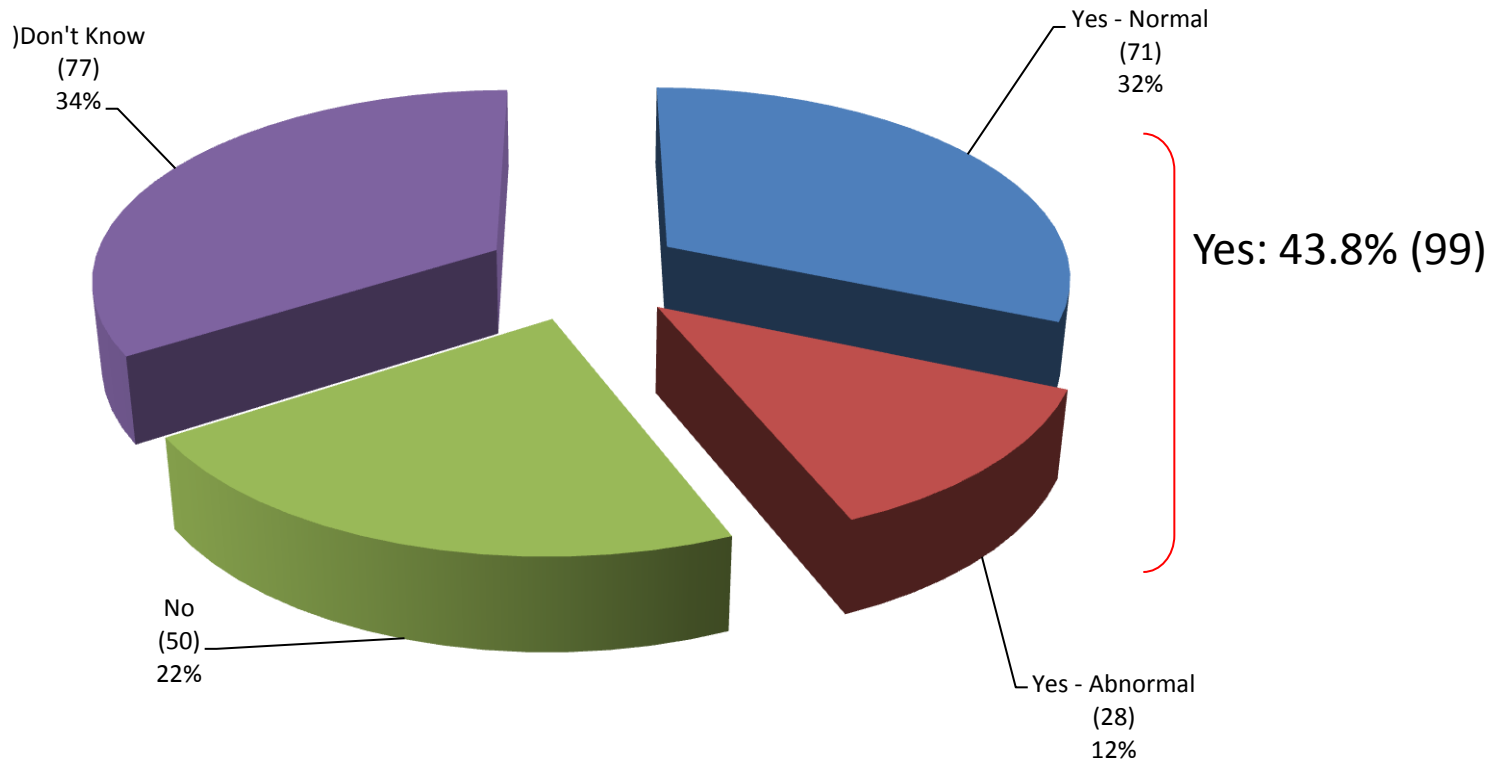
Micro-albuminuria Measurement



ECAD, 2010 (n 166)

Yes: 12.7% (21)

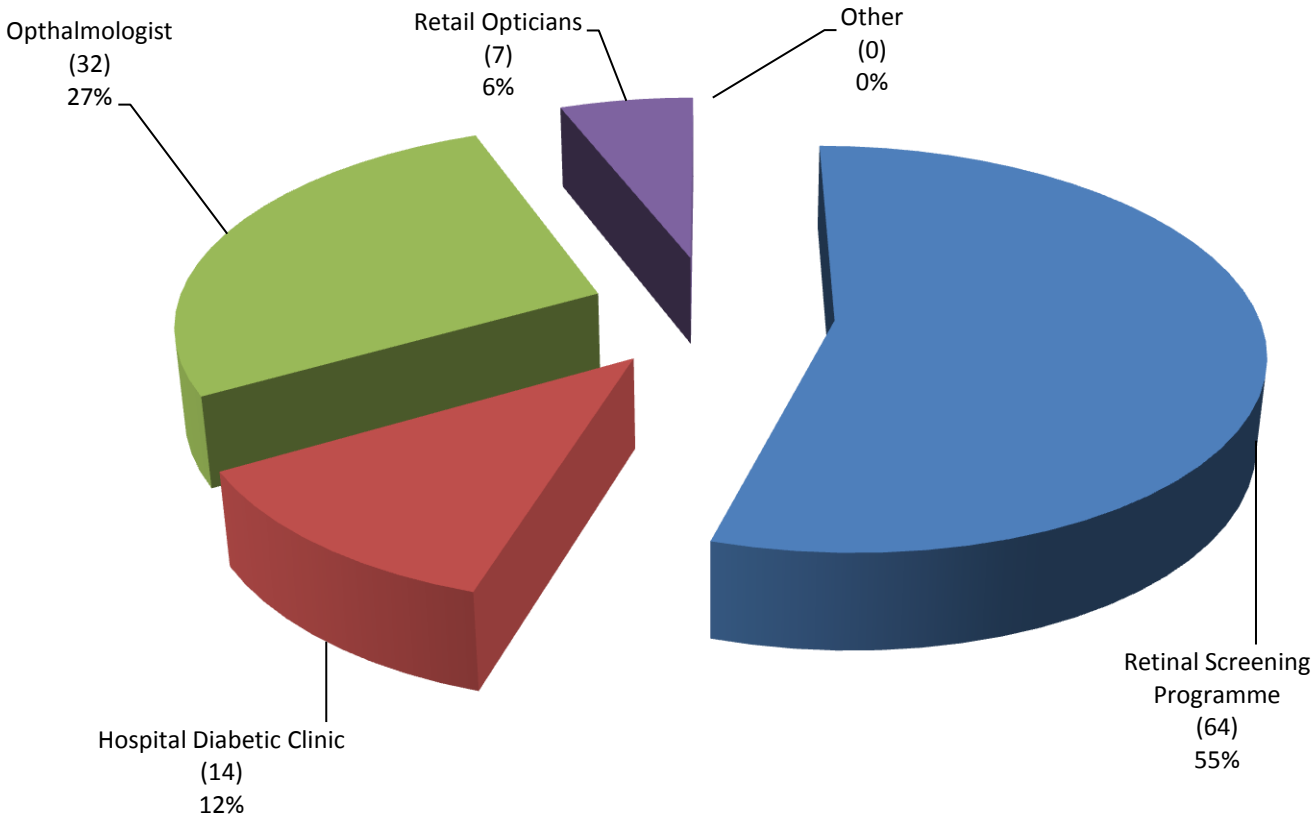
Retinal Screening



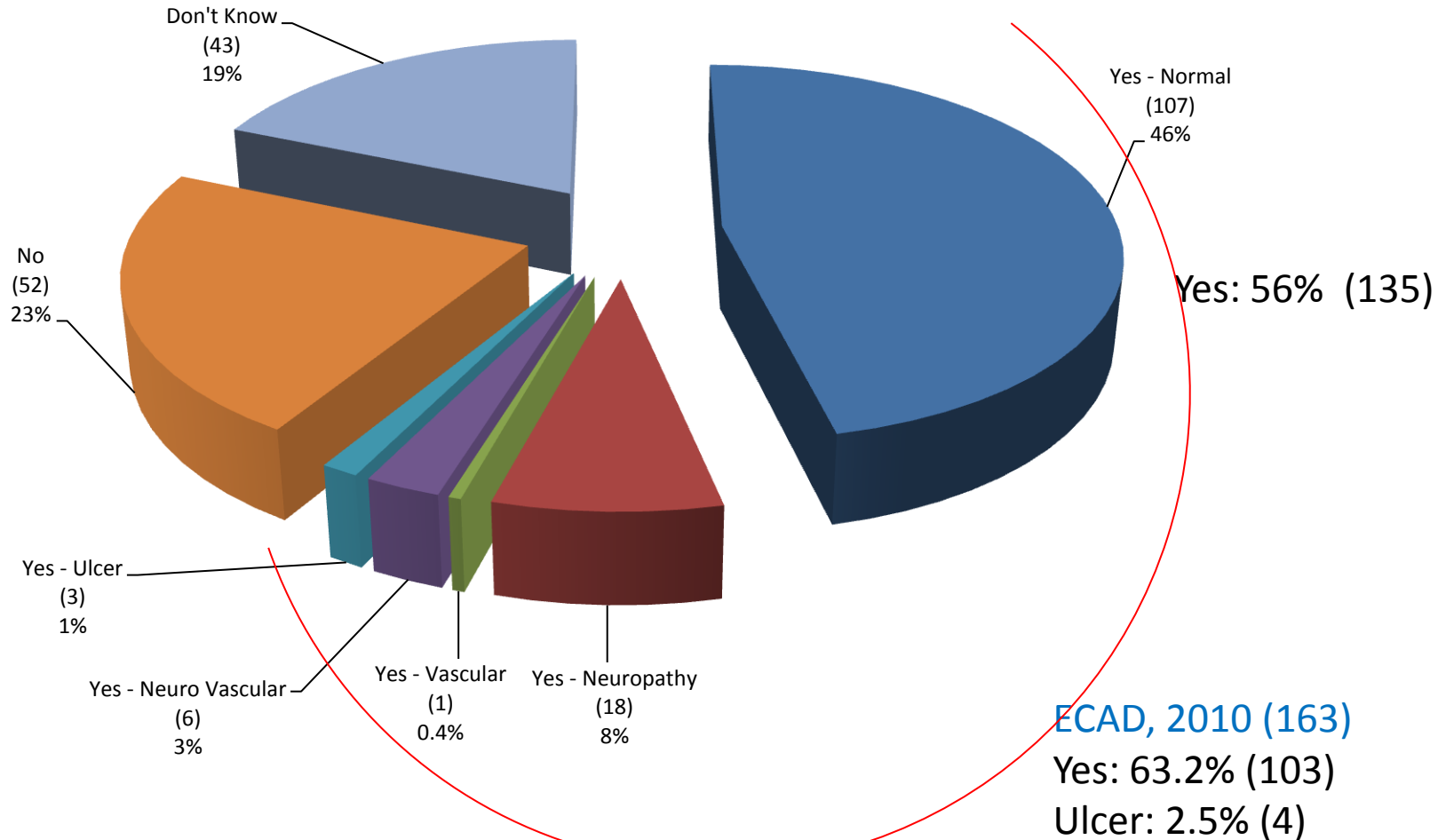
ECAD, 2010 (n 163)

Yes: 19% (31)

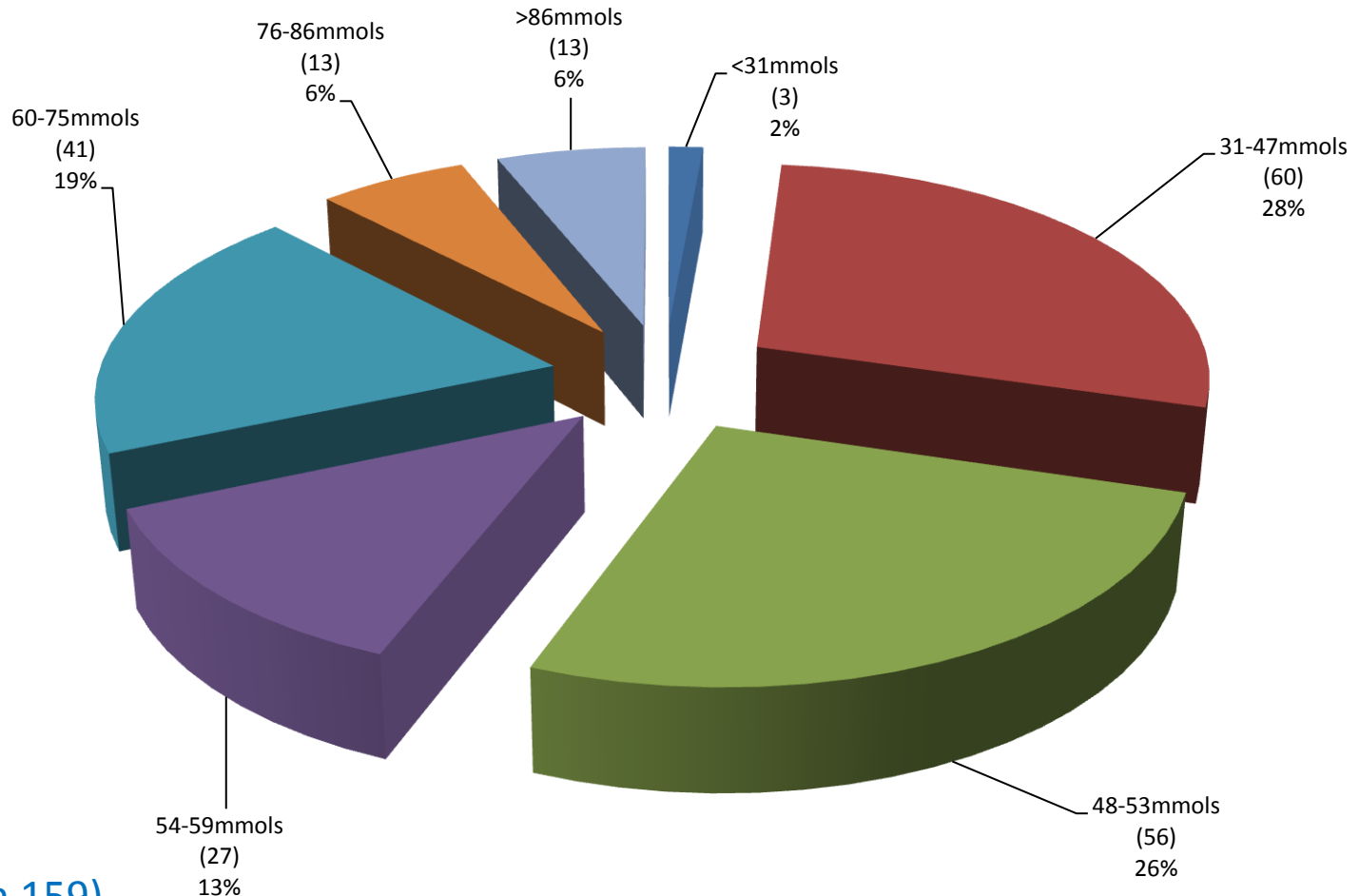
Retinal Screening Location



Foot Assessment



Last HbA1c Record

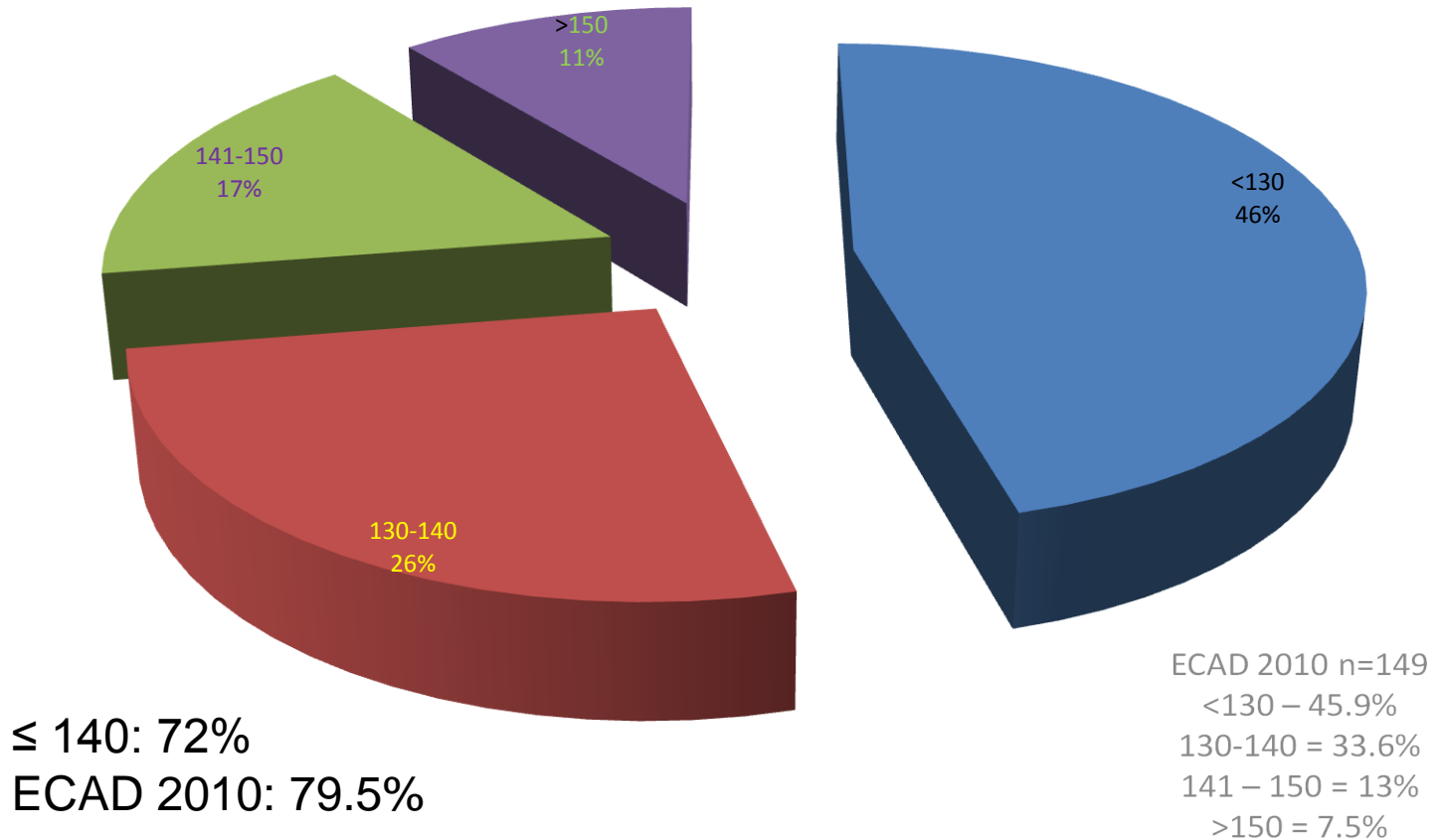


ECAD, 2010 (n 159)

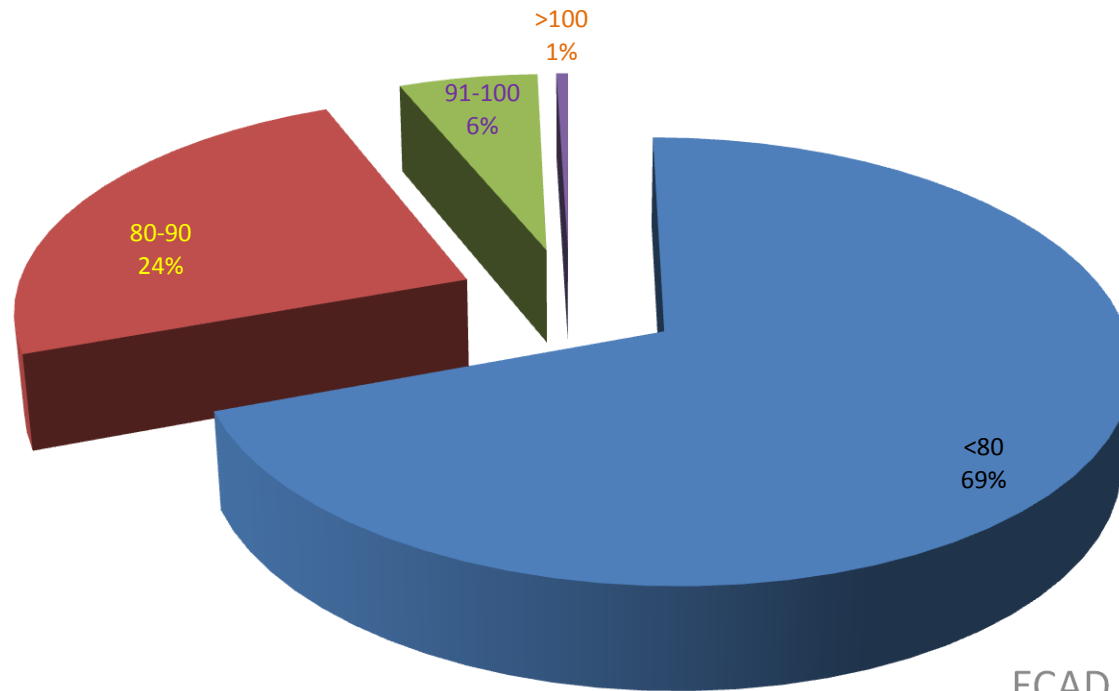
Within Target (≤ 53) 62% (98)
 Poor Control (54-75) 29.5% (47)
 Very Poor control (76->86) 8.8% (14)

Within Target (≤ 53) 55.8% (119)
 Poor Control (54-75) 31.9% (68)
 Very poor control (76 ->86) 12.2%(26)

Systolic BP

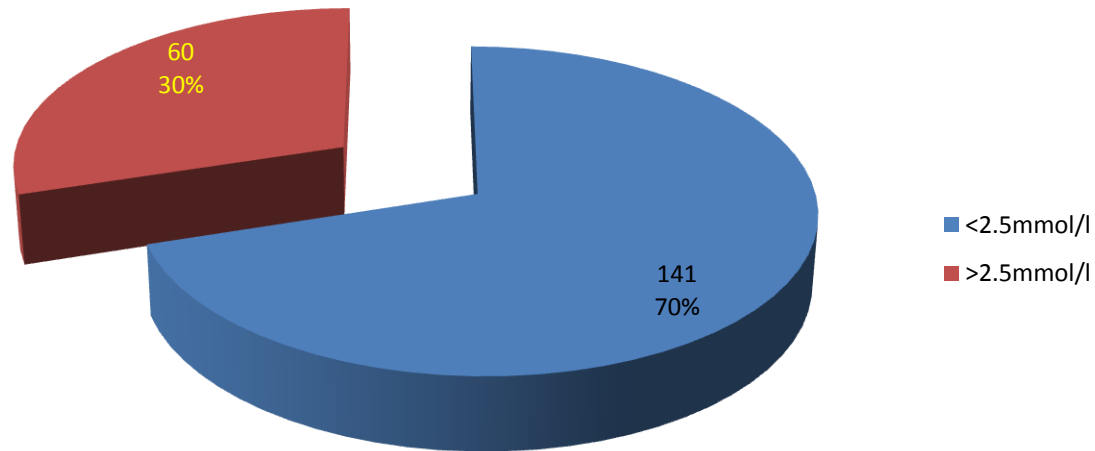


Diastolic BP



ECAD 2010
<80 = 72.7%
81-90 = 22.4%
91-100 = 4.9%

LDL



ECAD 2010: <2.5mmol/L 58.8%

ECAD 2010

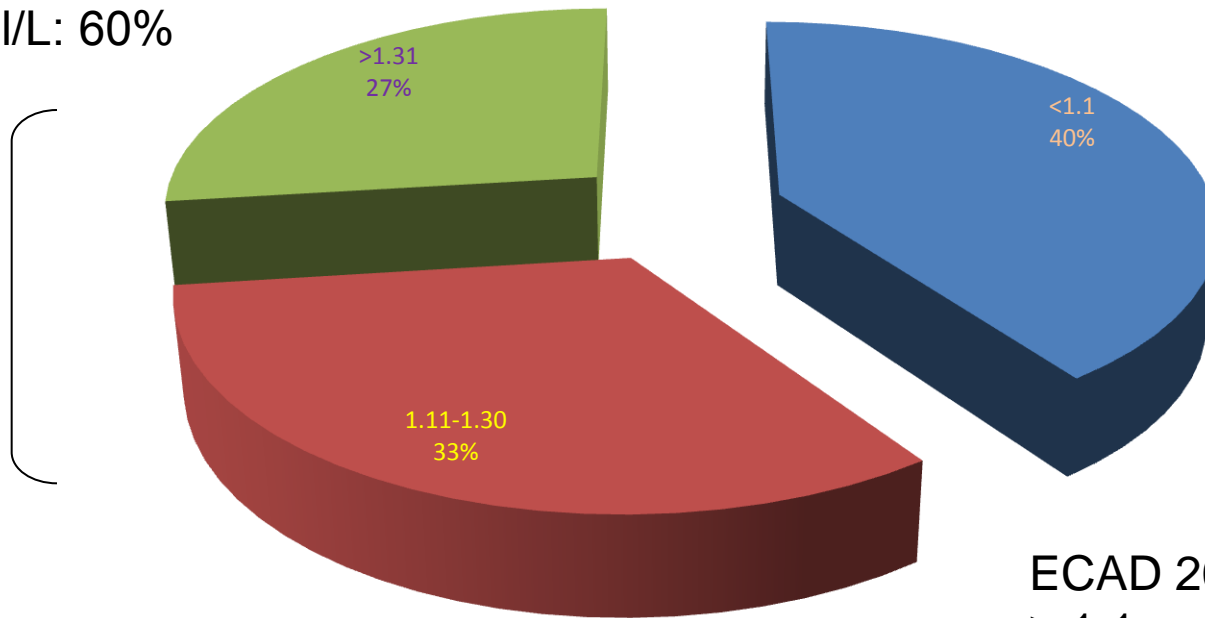
<1.8 = 23.5%

1.8 – 2.5 = 35.3%

>2.6 = 41%

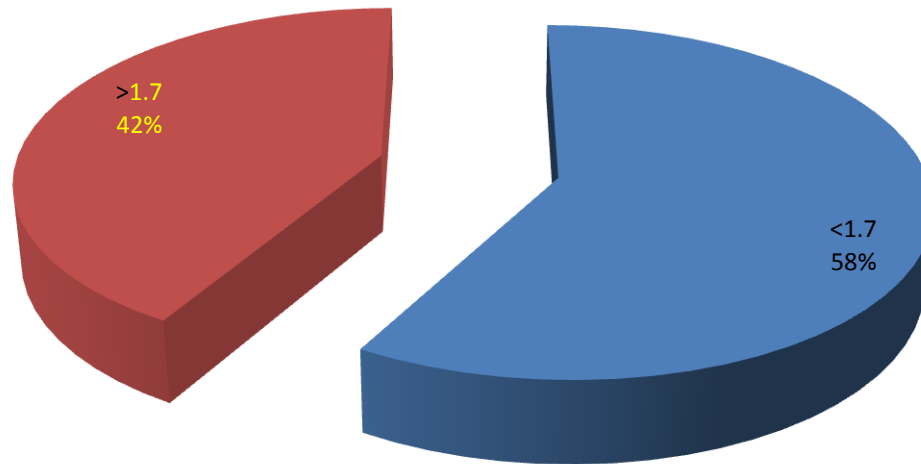
HDL

$\geq 1.1\text{mmol/L}$: 60%



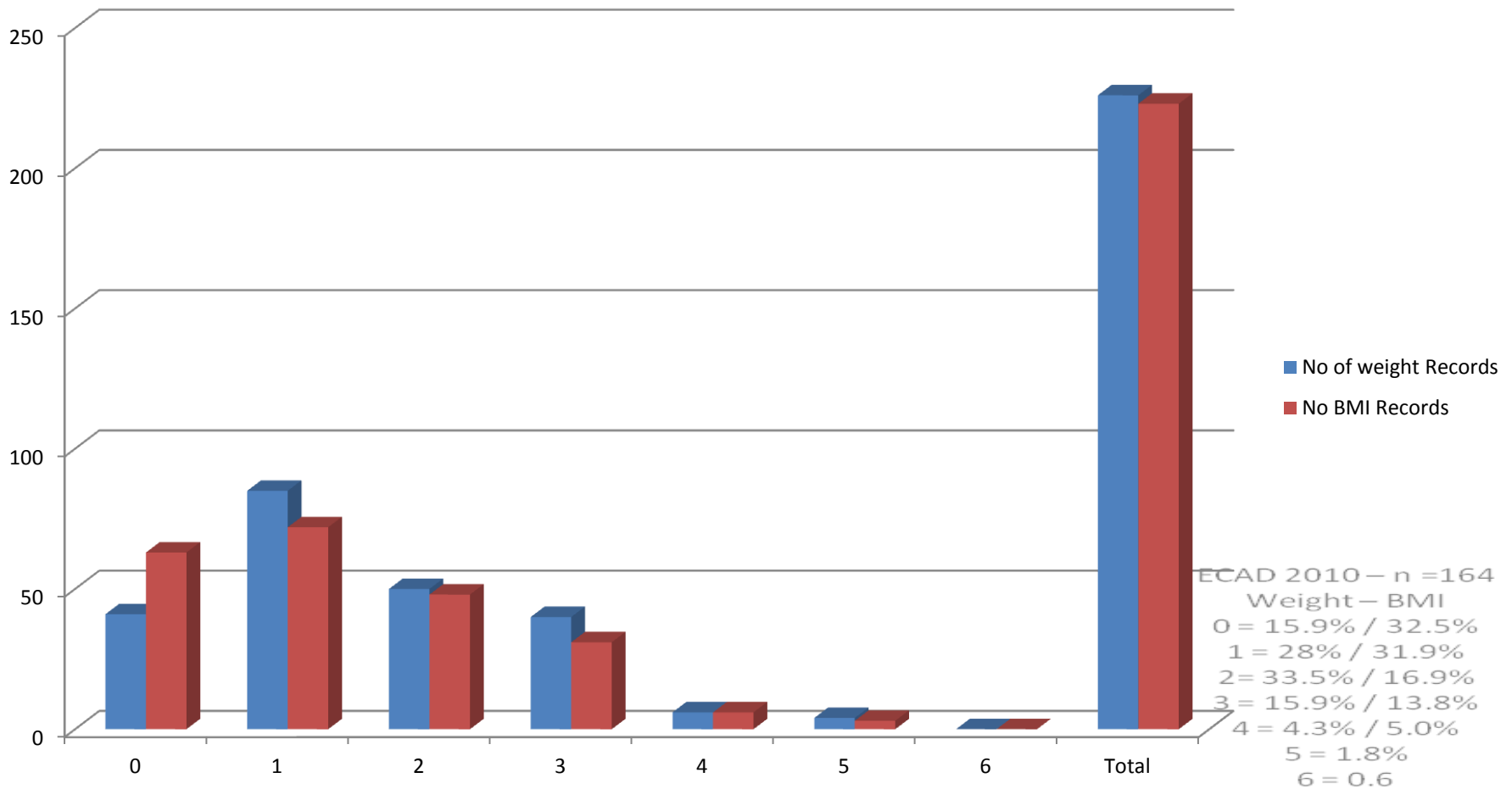
ECAD 2010
 $\geq 1.1\text{mmol/L}$:
Male= 57.9%
Females=70%

Triglycerides

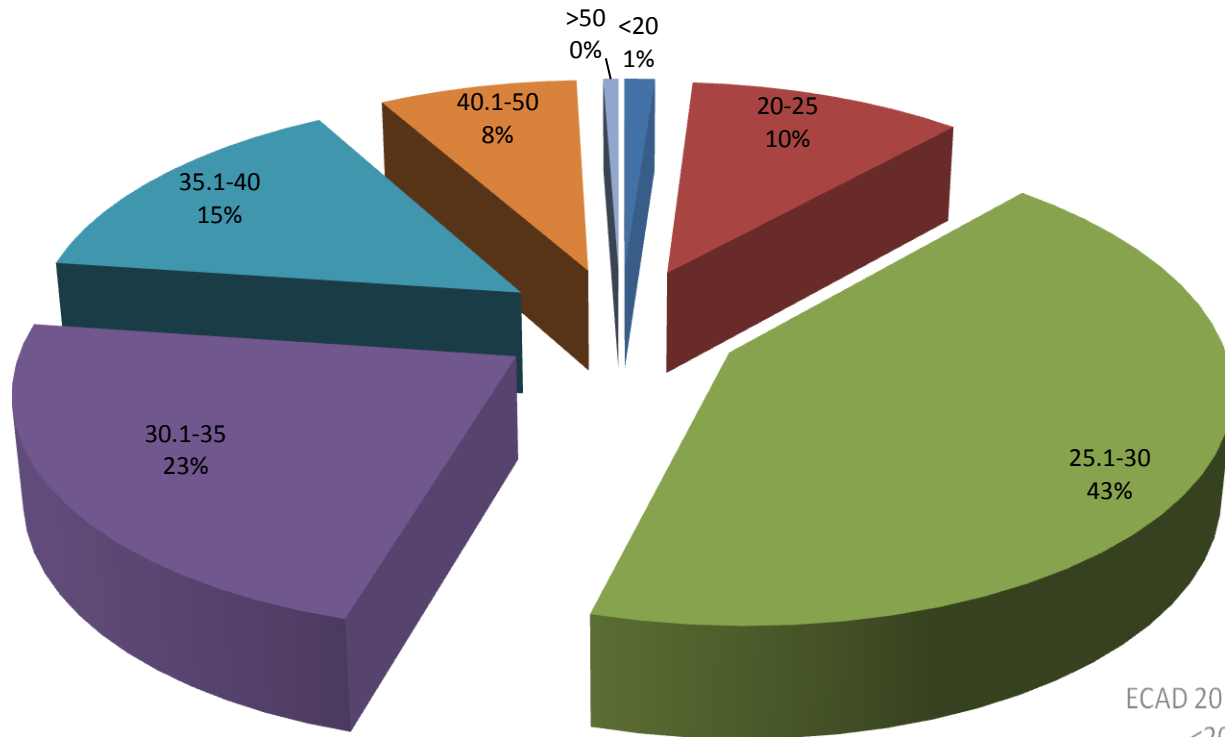


ECAD 2010
<1.7 = 66.4%

Weight & BMI Records

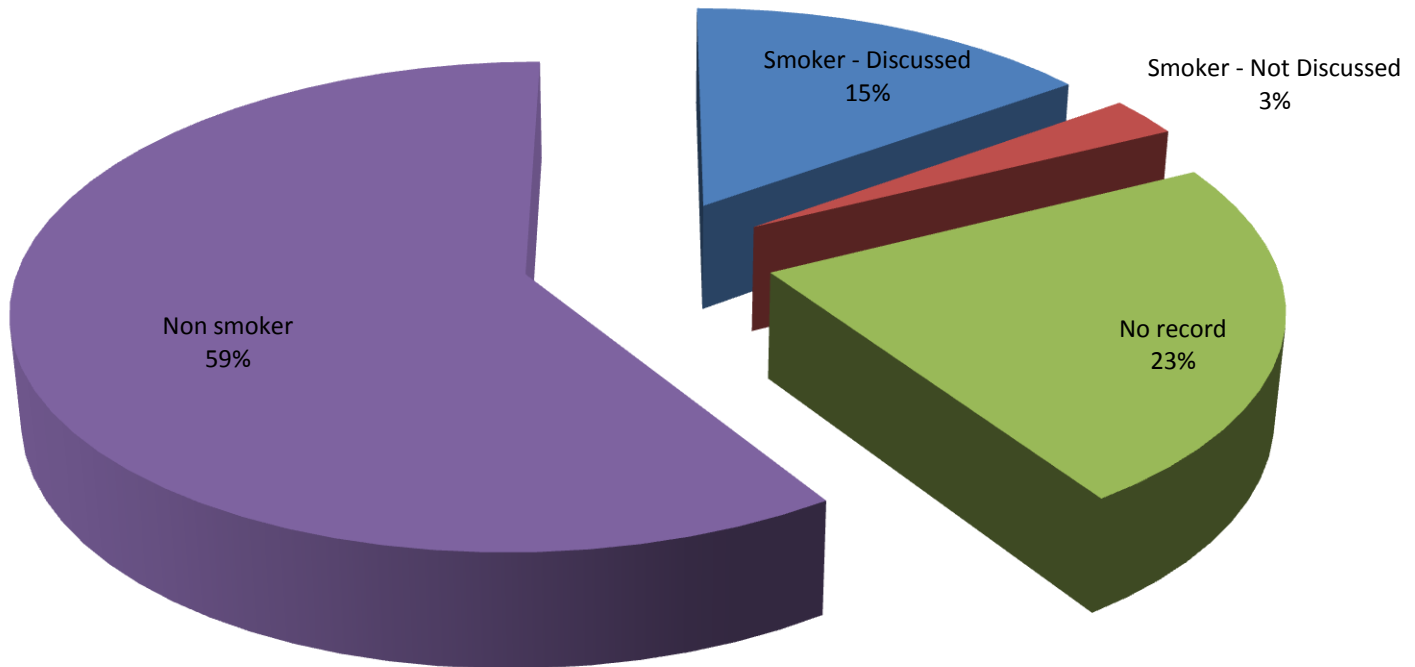


Most recent BMI



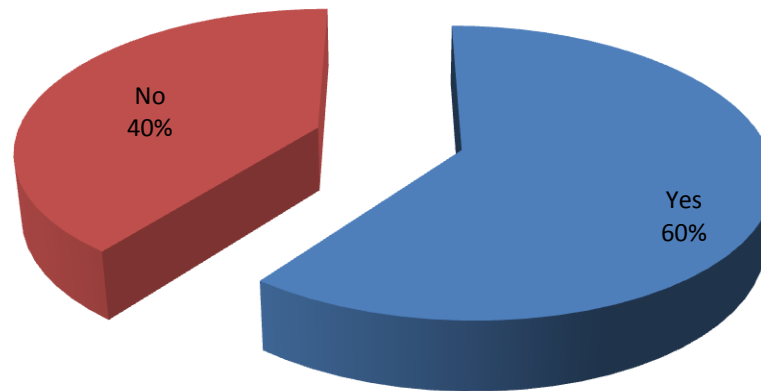
ECAD 2010 – n = 118
<20 = 6%
20-25 = 11.1%
25.1-30 = 36.8%
30.1-35 = 25.6%
35.1-40 = 12.8%
40.1-50 = 7.7%

Record smoking status



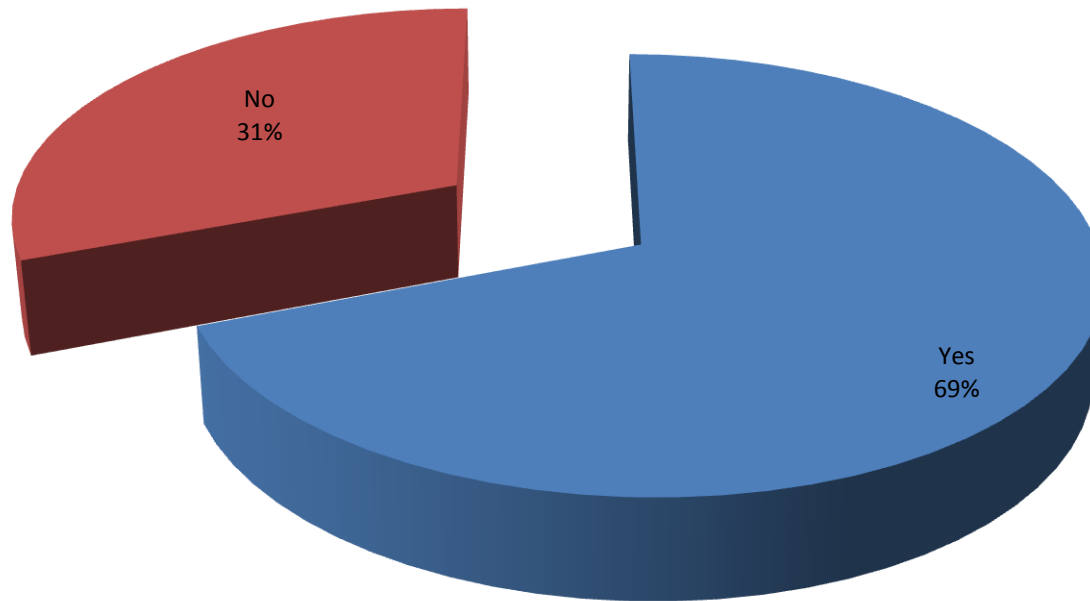
ECAD 2010 n =162
O=16.8%
Non.s.=67%
S.discussed=13.7%
S. Not disc. = 2.5%

Record of alcohol status



ECAD 2010 n = 162
Yes = 68.5%

Discussion of physical activity

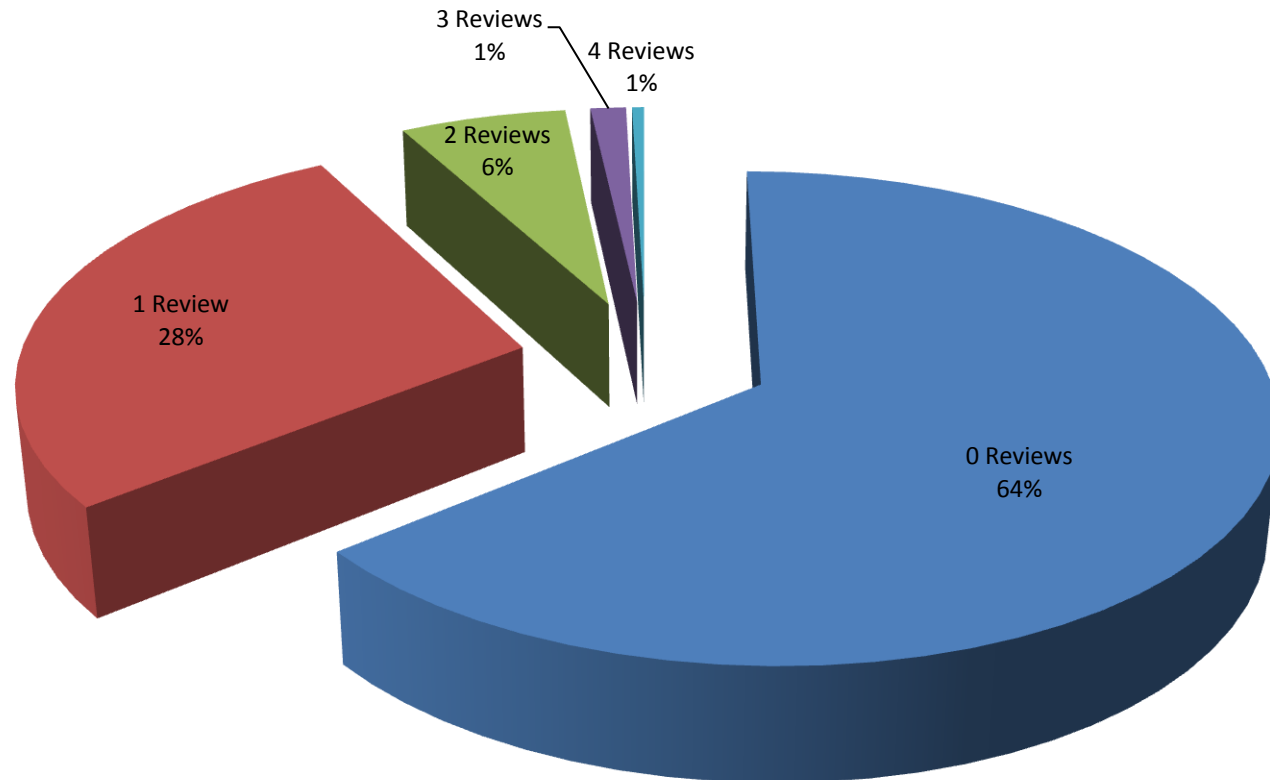


ECAD 2010 n = 161

No = 27.5%

Yes 72.5%

Number dietitian reviews



ECAD 2010 – n =161

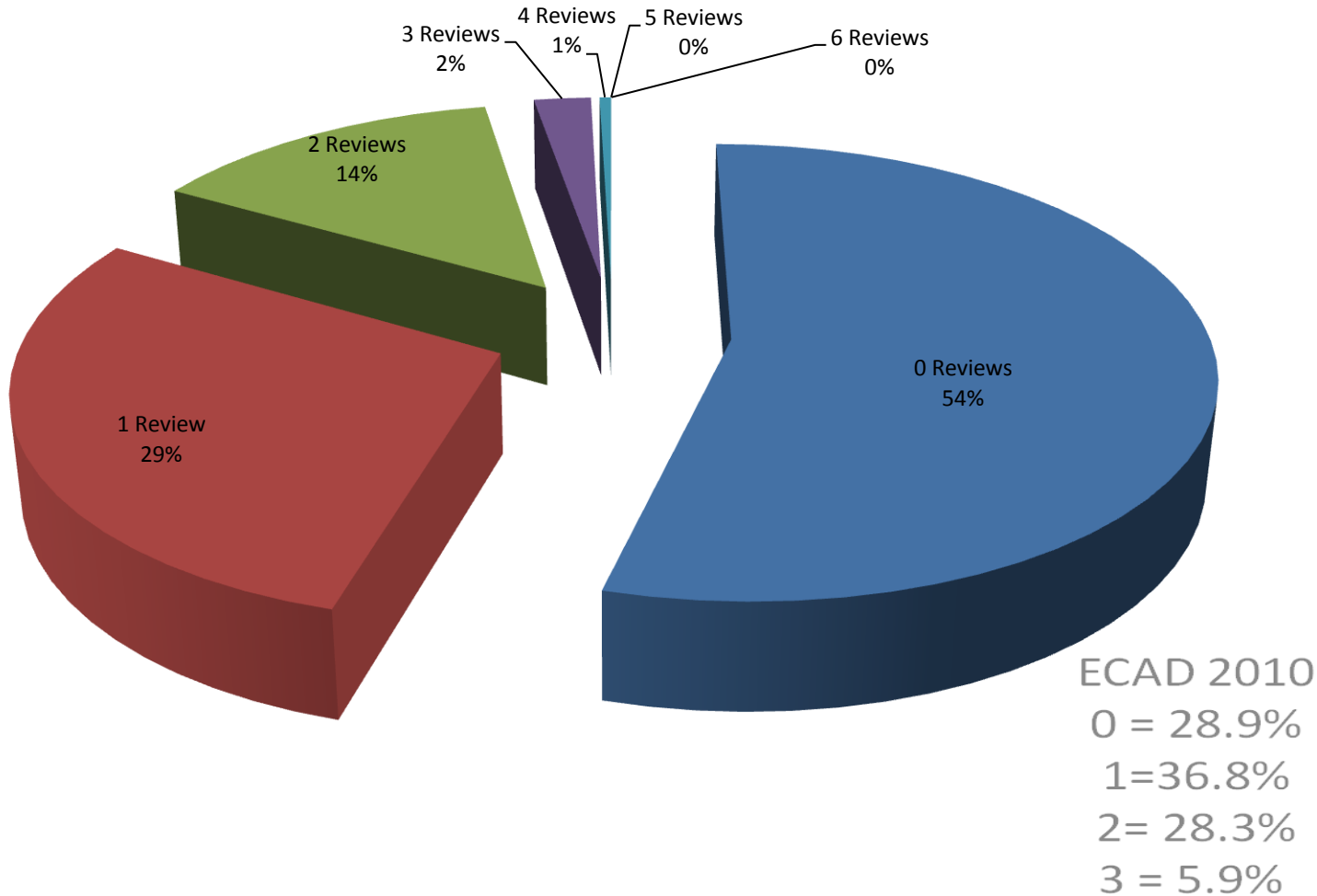
0 = 30.6%

1 = 41.9%

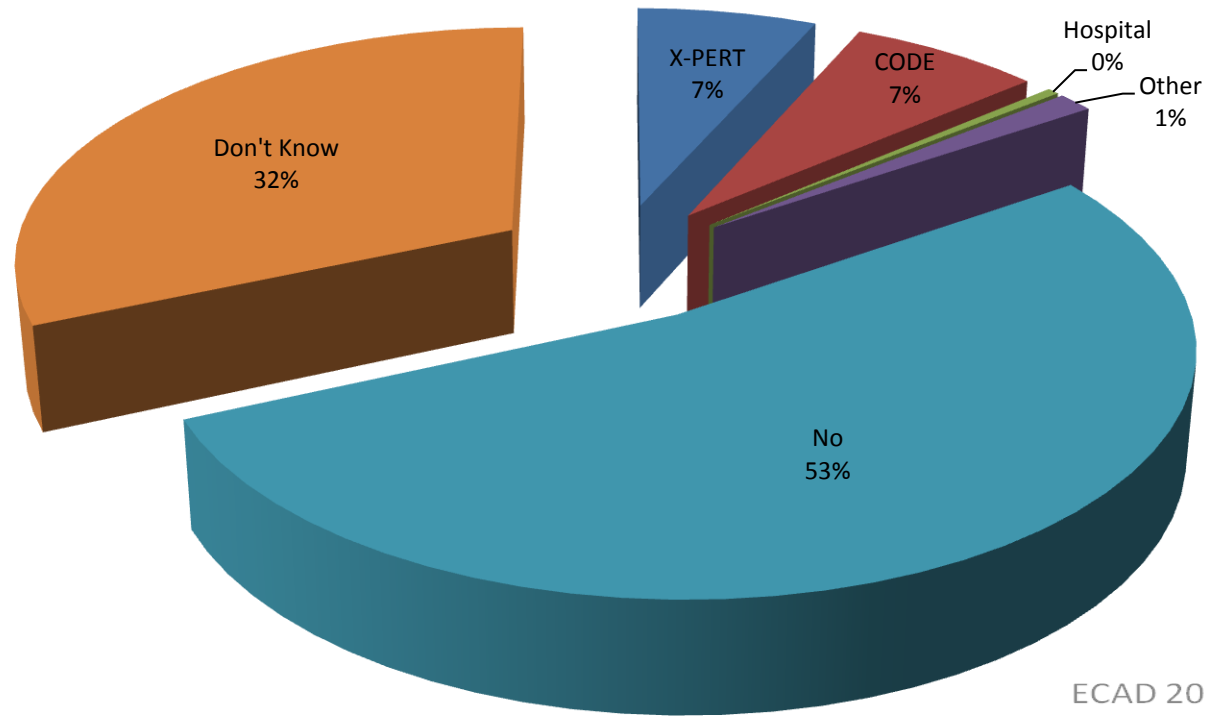
2 = 24.4%

3 = 3.1%

Number of DNS reviews

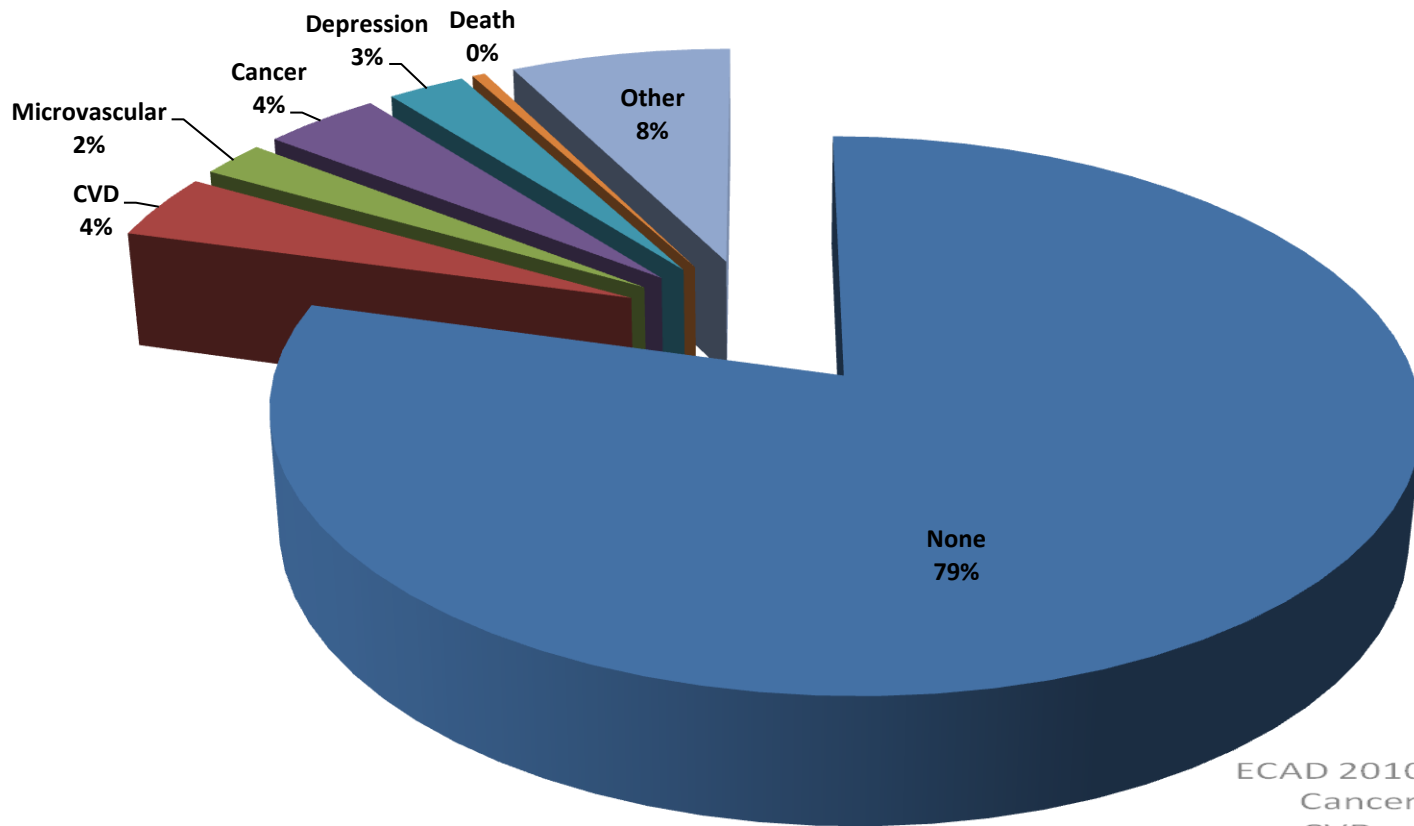


Attendance at structured education



ECAD 2010 n=168
CODE = 9.6%
Xpert = 13.8%
Don't know=12.6%
Hospital=6%
None= 53.3%
Other = 4.8%

Major Events



ECAD 2010 n = 165
Cancer = 3%
CVD = 2.4%
Depression = 2.4%
Microvascular = 0.6%
Other = 3%
None 88.5%

Comparison with DIG (n=2,488), Diabetes Watch (n=1,245) & Midlands' Audits (n=989)

Annual Reviews

Measure	ECAD (2015)	DIG (2010)	Midlands (2010)
Micro-albuminuria Measurement	40.6%	40%	73.5%
Retinal Screening	43.8%	47%	51.5%
Foot Examination	56%	48%	77.6%

Hba1c

HbA1c mmol/mol	ECAD (2015)	DIG (2010)	Diabetes Watch (2010)	Midlands (2010)
<48	30.2%	36%	51.3%	36.3%
48-58	46.5% (48-59mmol/mol)	37%	32.4%	38.1%
>58	23.3% (>59mmol/mol)	28%	16%	25.6%

Blood Pressure

Systolic mmHg	ECAD (2015)	DIG (2010)	Diabetes Watch (2010)	Midlands (2010)
≤130	46%	39%	43.9%	43.3%
≤140	75.5%	69%	-	70.7%
≤160	89% (≤150mmHg)	94%	-	93.9%

Diastolic mmHg	ECAD (2015)	DIG (2010)	Diabetes Watch (2010)	Midlands (2010)
≤80	69.4%	71.2%	76.1%	72.3%
≤90	93.8%	94.5%	-	95.8%
≤100	99.5%	99.2%	-	99.7%

Lipids

Lipids mmol/L	ECAD (2015)	DIG (2010)	Diabetes Watch (2010)	Midlands (2010)
LDL <2.5	70.1%	63%	67.8%	66.9%
HDL >1.0	60% (>1.1mmol/L)	60%	44.6% (≥1.2mmol/L)	75.4%
Triglycerides < 1.7	58.3%	68% (<2.0mmol/L)	-	59.3%

Main Findings

- Older age group
- Longer duration of diabetes
- More attending primary care only for DM Care
- Improvement in AR rates / more ARs in community
- More AR reports on file
- Improvement in Micro-albuminuria & Retinal screening rates but below 50%
- Reduction in foot assessments
- Reduction in foot ulcers

Main Findings

- 55.8% Hba1c within target
- BP control reasonably good
- Lipid control reasonable
- BMIs in over-weight & grade 1 obesity categories lowered
- Reduced dietetic reviews
- Poor uptake structured education
- 79% no major events
- Increased incidence micro-vascular & CVD

Limitations

- Conducted by ECAD health professionals
- Small sample

Recommendations

- Routine annual ACR
- Foot Assessment – Foot care education
- Retina screen – register, change of address, etc
- Structured Group Education
- Future audit of DNS & Dietitian referral/review
- Diabetes Passport

Future

- Diabetes Cycle of Care
- Audit

Thank You

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