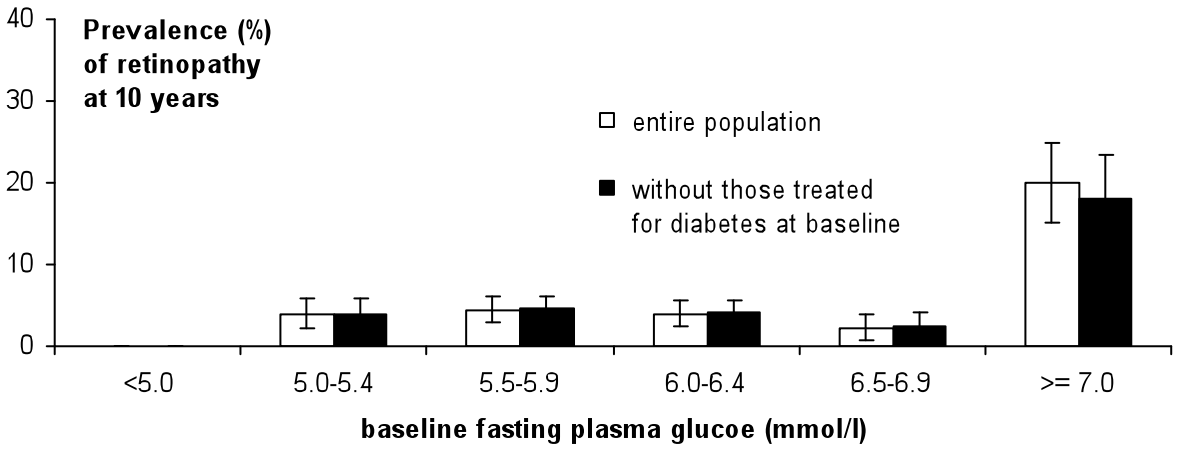
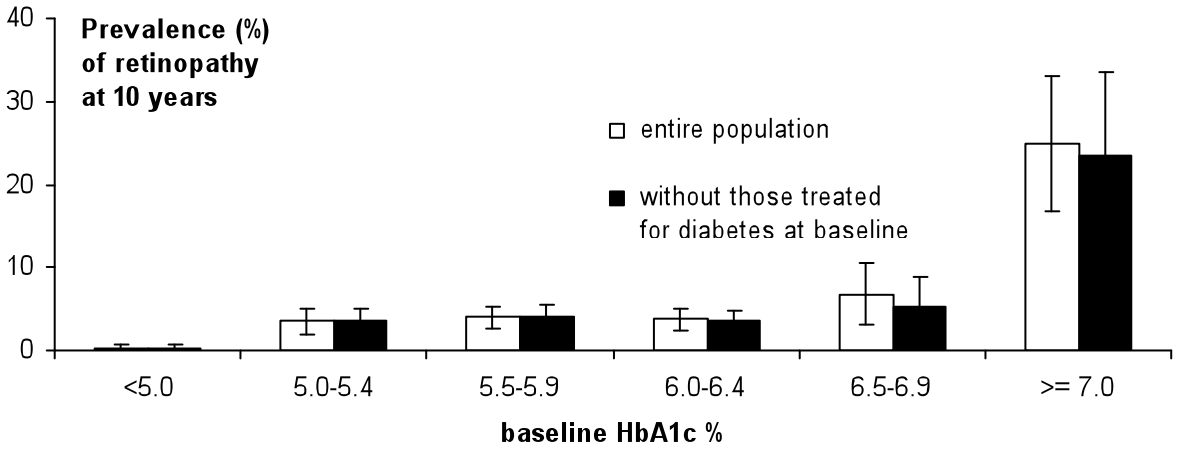
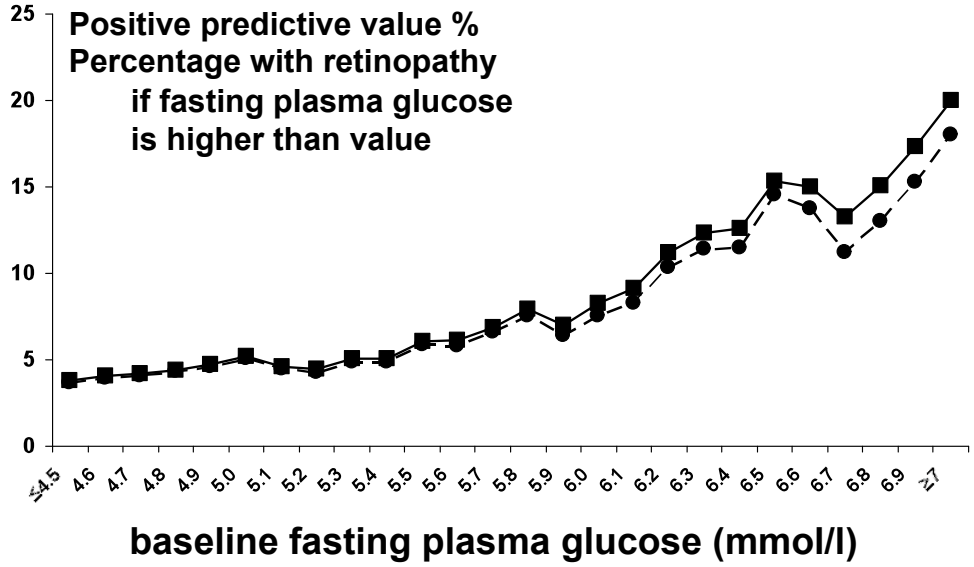
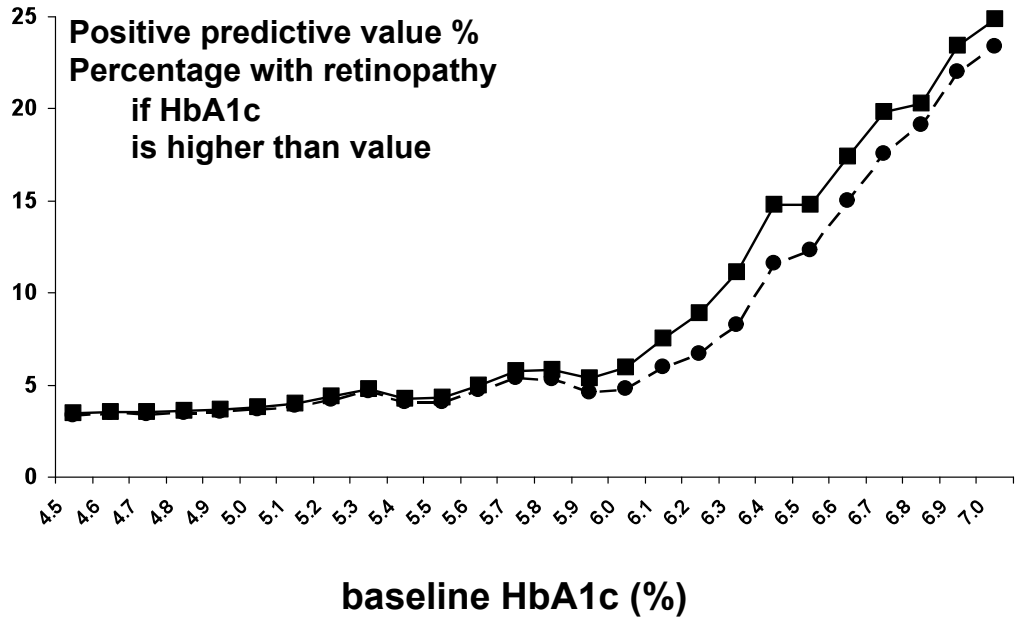
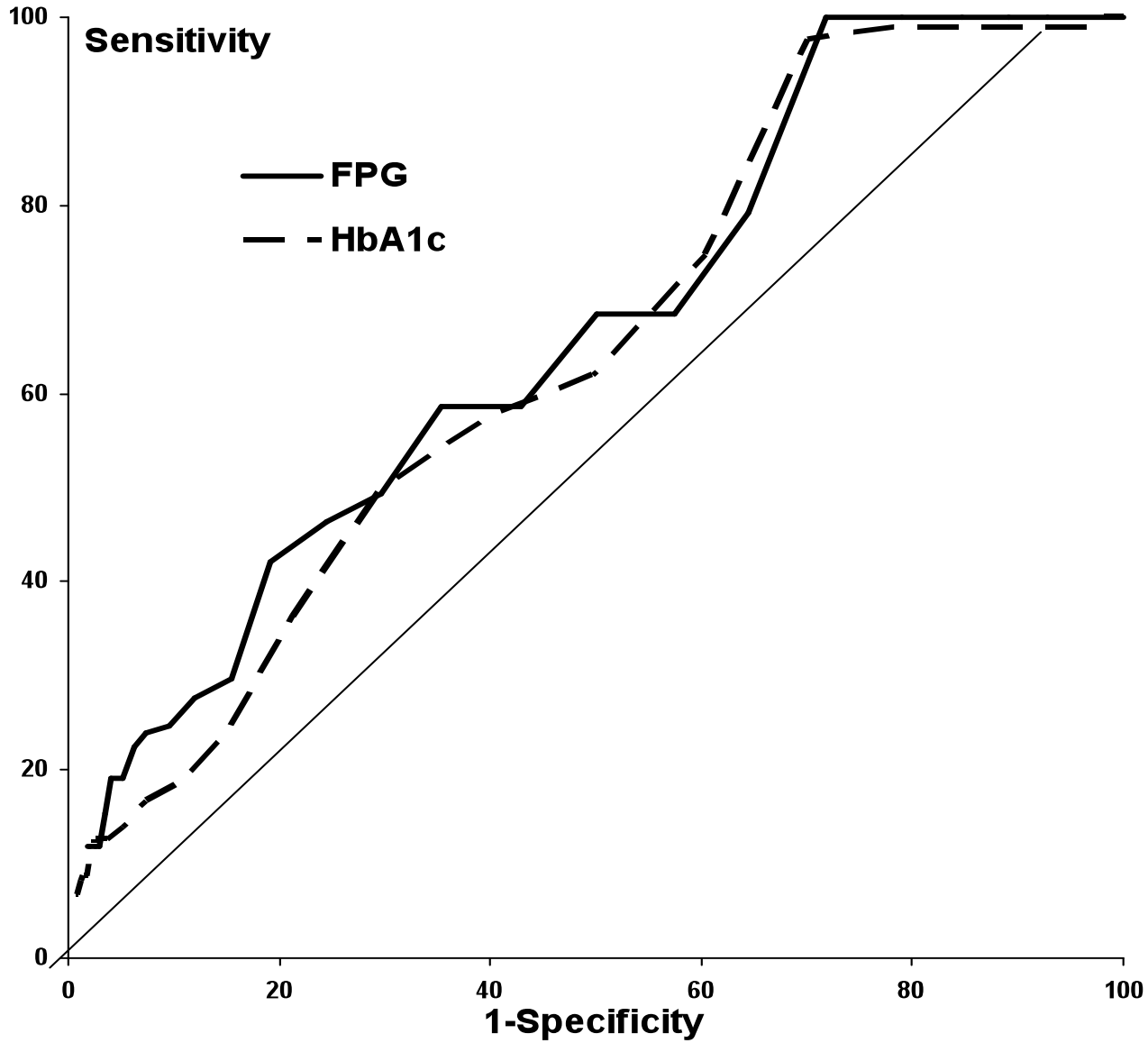
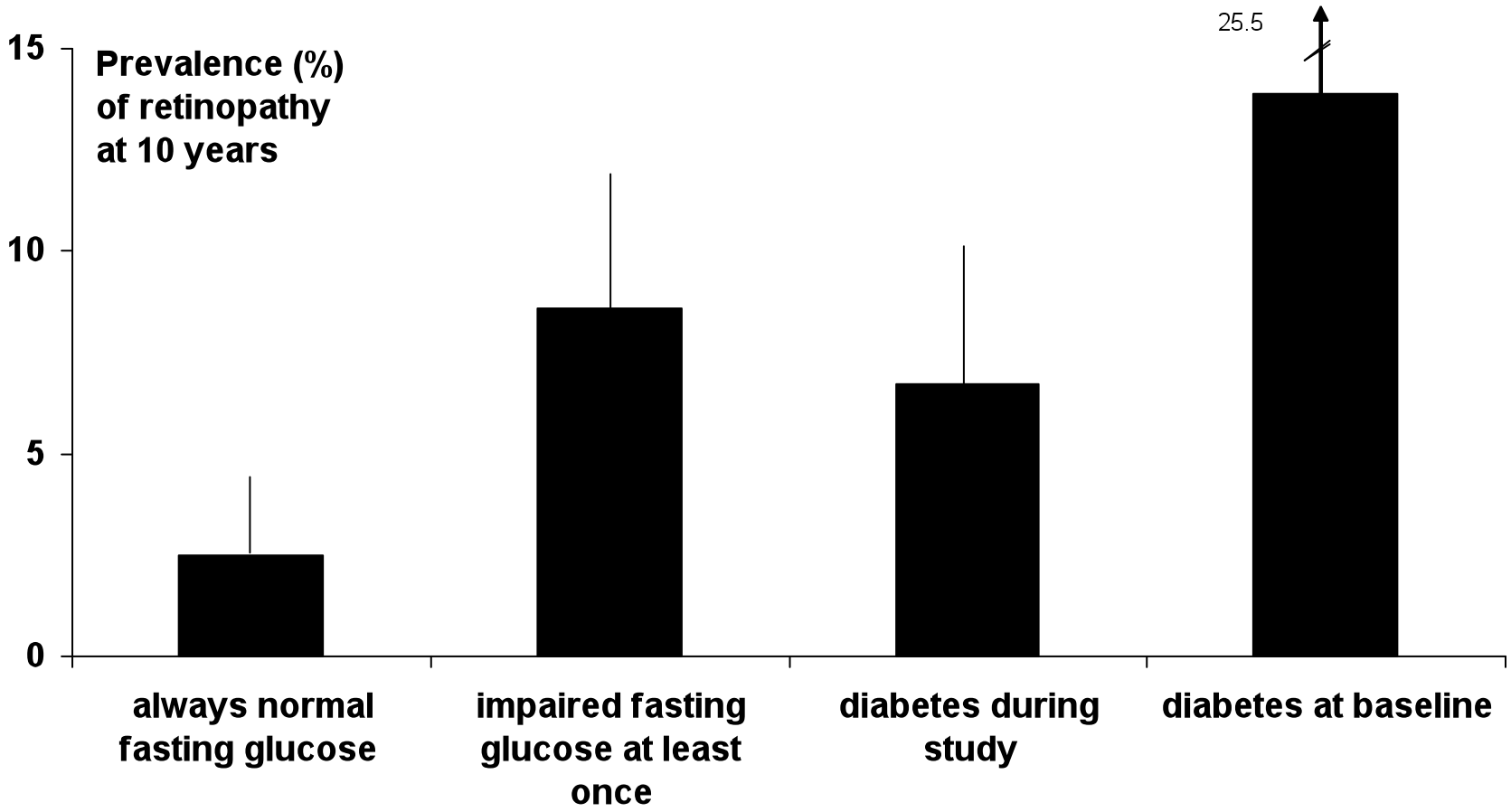

Prevalence (%)
of retinopathy
at 10 years
40
30
20
10
0
entire population
without those treated
for diabetes at baseline
<5.0
5.0-5.4
5.5-5.9
6.0-6.4
6.5-6.9
>= 7.0
baseline fasting plasma glucoe (mmol/l)


Prevalence (%)
of retinopathy
at 10 years
40
30
20
10
0
entire population
without those treated
for diabetes at baseline
<5.0
5.0-5.4
5.5-5.9
6.0-6.4
6.5-6.9
>= 7.0
baseline HbA1c %


Positive predictive value %
Percentage with retinopathy
if fasting plasma glucose
is higher than value
25
20
15
10
5
0
≤4.5
4.6
4.7
4.8
4.9
5.0
5.1
5.2
5.3
5.4
5.5
5.6
5.7
5.8
5.9
6.0
6.1
6.2
6.3
6.4
6.5
6.6
6.7
6.8
6.9
≥7
baseline fasting plasma glucose (mmol/l)


Positive predictive value %
Percentage with retinopathy
if HbA1c
is higher than value
25
20
15
10
5
0
4.5
4.6
4.7
4.8
4.9
5.0
5.1
5.2
5.3
5.4
5.5
5.6
5.7
5.8
5.9
6.0
6.1
6.2
6.3
6.4
6.5
6.6
6.7
6.8
6.9
7.0
baseline HbA1c (%)


Sensitivity
FPG
HbA1c
100
80
60
40
20
0
0
20
40
60
80
100
1-Specificity


Prevalence (%)
of retinopathy
at 10 years
15
10
5
0
25.5
always normal
fasting glucose
impaired fasting
glucose at least
once
diabetes during
study
diabetes at baseline