

Prostate Cancer Risk

Sunnybrook Calculator



November 5, 2012

1

Sunnybrook Prostate Cancer Risk Calculator

Prostate Risk Calculator

EUROPEAN PROSTATE CANCER RISK CALCULATOR

This online part of a questionnaire enrolls men 50 years or older undergoing prostate biopsy for prostate cancer. Your participation in the program does not indicate that you have prostate cancer, but it will help researchers further define the disease.

This particular component of the trial is not an active test but rather a questionnaire that provides individual prostate cancer risk, including patients with normal Prostate Specific Antigen (PSA) levels and high risk men who have been shown to perform better than conventional screening with PSA and Digital Rectal Exam (DRE) alone.

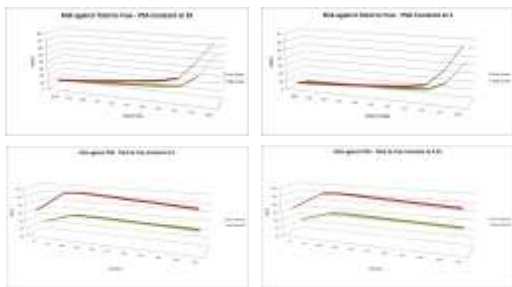
* All fields are required for calculator use.

Age: range (40 - 100)
 Prostate testing (2 or more times): range (0 - 100)
 PSA: range (0.4 - 8.0)
 PSA (Year since last test): range (0.0 - 100)
 Ethnic Background: African European Mixed Descent Other
 Family history of prostate cancer: Yes No
 Abnormal DRE (on history): Yes No
 Have you read the participant letter's following: I have read the document.

EUROPEAN PROSTATE CANCER RISK CALCULATOR

11/8/2012

Effect of 'Free to Total' on Risk



11/8/2012



11/8/2012

Study numbers

PSA testing in the community

Follow up results

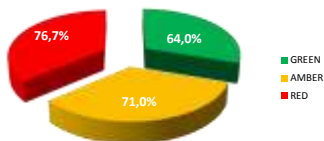
A feasibility study for the "Riskman Trial"



GROUP	Q SENT	Q RETURNED	RESPONSE RATE
GREEN	1371	877	64.0%
AMBER	644	457	71.0%
RED	956	733	76.7%
TOTAL	2971	2067	69.6%



Survey response rate



The mean age of the men completing the questionnaire was 65 years old.

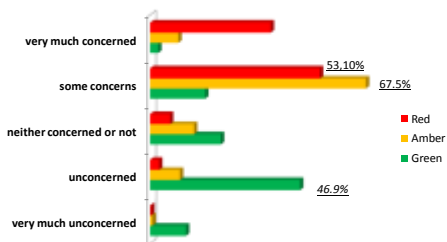


Reason for having 1st PSA test

Reason for 1st PSA test	Green	Amber	Red	Total
Other reasons such as family history	42 (7.9%)	24 (8.5%)	62 (11.1%)	128 (9.3%)
Friends asked to come along	109 (20.6%)	60 (21.3%)	184 (33.0%)	353 (25.8%)
Had problem with water work	38 (7.2%)	35 (12.4%)	88 (15.8%)	161 (11.8%)
Curiosity about prostate health	341 (64.3%)	163 (57.8%)	223 (40.0%)	727 (53.1%)
Total	100.0%	100.0%	100.0%	100.0%



Level of concern with initial PSA result

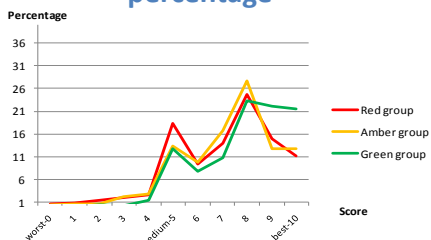


Men's attitude towards going through prostate cancer awareness session again in the future

Go through process again	Group			Total
	Red	Amber	Green	
No	33 (4.7%)	9 (2.0%)	6 (0.7%)	48 (2.4%)
	675 (95.3%)	434 (98.0%)	821 (99.3%)	1930 (97.6%)
Yes	708 (100.0%)	443 (100.0%)	827 (100.0%)	1978 (100.0%)



Experience of men attending prostate cancer awareness and PSA test as percentage

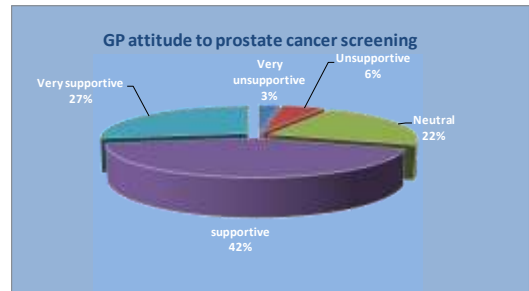


GP attitudes to PSA testing in the community

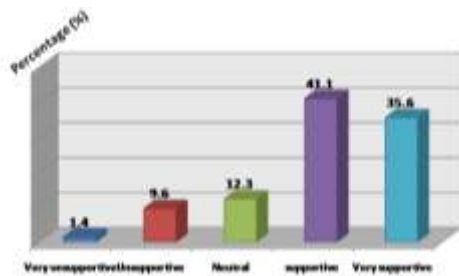


Area coverage of GP survey

Over 100 GPs responded to the survey



GPs' attitudes to the Riskman



Next Stage – GP Pilot Phase



GP Pilot Phase

- 2 Practices with large networks and research experience
 - Links to Birmingham University Medical School
- Randomisation takes place at individual practice level
 - control arm males tested for PSA and DRE only
 - active arm males tested for PSA, FT PSA and DRE
 - GPs select males and eliminate those with other chronic conditions and mental incapacities
 - Blood samples split into two – one for test and one for biobank
- Men in control arm above PSA threshold sent for biopsy
- Men in active arm who are above the threshold of either the PSA or FT PSA or both referred for biopsy



11/8/2012