The critical importance of understanding prognosis from prostate cancer in increasing uptake of active surveillance

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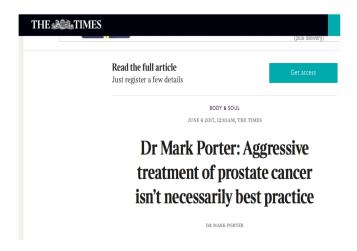
Why NOT treating prostate cancer 'is best for most men': Thousands with slow-growing tumours are undergoing unnecessary treatment

- Some slow-growing tumours will not spread and 'can never cause harm'
- · But treatment can be debilitating and lead to depression and anxiety in patients
- Prostate cancer treatment can result in incontinence and loss of sex drive



Prostate cancer survival rates very high regardless of treatment, study finds





Prostate cancer - the low key killer that must be stopped.

16 January 2020 at 12:01am

Number of men dying from prostate cancer hits all-time high

Prostate cancer now kills more in UK than breast cancer

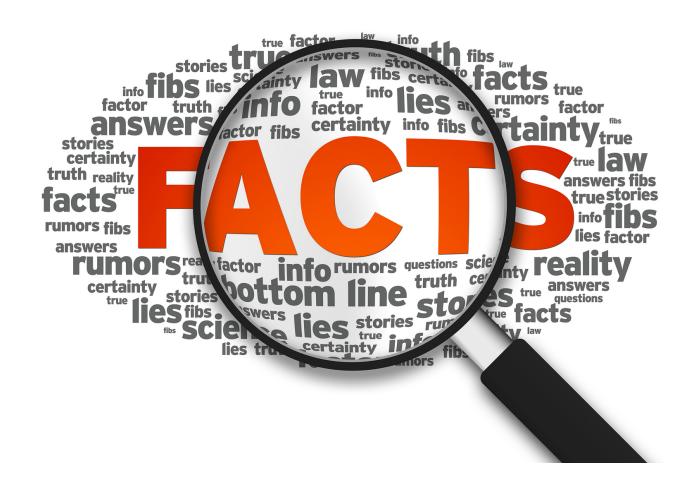






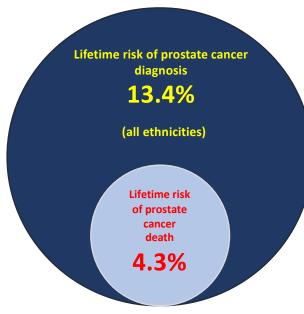








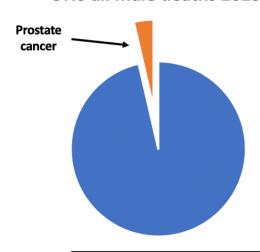
How lethal is prostate cancer in the male population? Only 4% of all male deaths



Lloyd et al 2015



ONS all male deaths 2023



<0.01% male 30-49y

0.9% male 50-59y

2.7% male 60-69y

4.2% male 70-79y

4.7% male 80-89y

4.5% in males >90



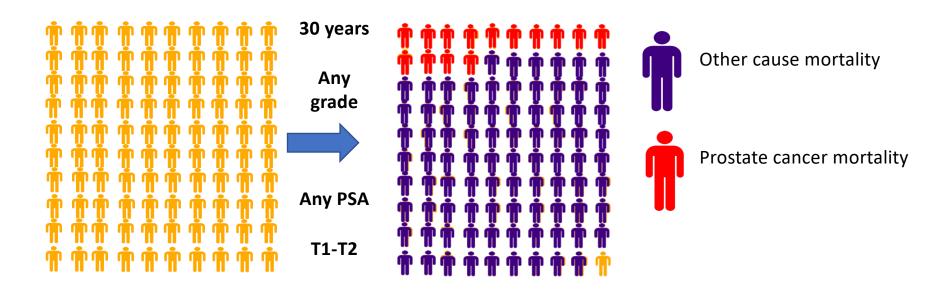
How lethal is prostate cancer? What happens if you don't treat i.e. natural history

Natural History of Early, Localized Prostate Cancer: A Final Report from Three Decades of Follow-up

Marcin Popiolek a,\dagger , Jennifer R. Rider $b,c,\dagger,*$, Ove Andrén a, Sven-Olof Andersson a, Lars Holmberg a,e, Hans-Olov Adami a,ϵ , Jan-Erik Johansson a

85% men died of other causes

Only 14% died due to prostate cancer





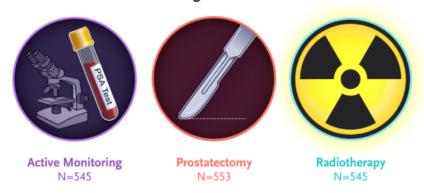
The ProtecT Trial

Prostate Testing for Cancer and Treatment

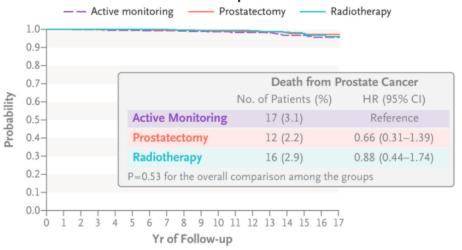
CONCLUSIONS

Men with PSA-detected, localized prostate cancer who had been randomly assigned to active monitoring, prostatectomy, or radiotherapy had similarly low rates of death due to prostate cancer during a median 15 years of follow-up.

Treatment Strategies for Prostate Cancer



Prostate Cancer-Specific Survival





Prostate cancer is a cancer that is all about benefits and risks and personalized choice





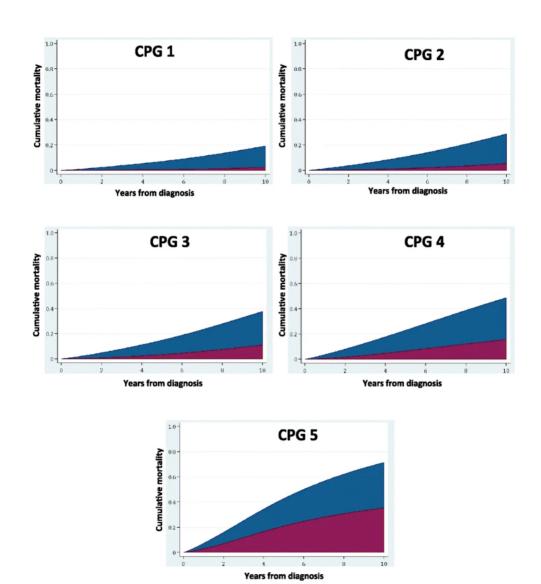


Cambridge Prognostic Groups (CPG)

NICE stratifies prostate cancer into 5 groups to link management to the risk of the disease causing death/mortality

Versus other causes of mortality

CPG1 and CPG2 - 40% of all new cancer diagnosis in the UK each year (15-20,000 men)





If not treatment then what management?

NICE National Institute for Health and Care Excellence

Active surveillance

A strategy to avoid overtreatment of disease which is unlikely to cause harm.

1.3.8 For people with CPG 1 <u>localised prostate cancer</u>:



- consider radical <u>prostatectomy</u> or radical radiotherapy if <u>active surveillance</u> is not suitable or acceptable to the person. [2019, amended 2021]
- For people with CPG 2 localised prostate cancer, offer a choice between active surveillance, radical prostatectomy or radical radiotherapy if radical treatment is suitable. [2019, amended 2021]
- 1.3.10 For people with CPG 3 localised prostate cancer:
 - offer radical prostatectomy or radical radiotherapy and
 - consider active surveillance (in line with recommendation 1.3.14) for people who choose not to have immediate radical treatment.

[2019, amended 2021]



NICE National Institute for Health and Care Excellence





What is Predict Prostate for?

Predict Prostate is a tool where the outcomes from conservative management (or monitoring) are compared with radical treatment (surgery or radiotherapy).

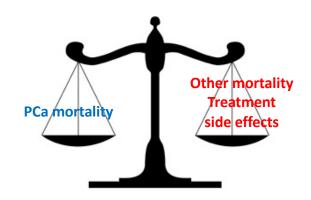
How do I use Predict Prostate?

Enter the details about yourself and your prostate cancer, and then select conservative management or radical treatment to see estimates of survival with each.

We recommend patients read the About Predict section before using the tool. Predict Prostate is only intended for use amongst men for whom both conservative management and radical treatment could both be appropriate options.

What will Predict Prostate tell me?

The Predict Prostate tool shows you how different initial management strategies affect the percentage of men that survive ten and fifteen years after diagnosis. Nonindividualised data is also shown on the potential harms of each treatment type. This short video may help explain how Predict Prostate works.



Predict Prostate is a UK developed personalised prognostic tool to balance the risk from prostate cancer versus other competing risks to inform the need for treatment

Developed and validated in >350,000 men

Multiple ethnicities and age groups



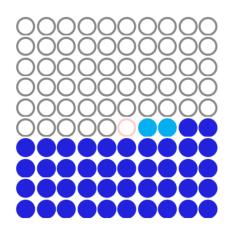




This table shows the percentage of men who survive at least 10 15 years after diagnosis, based on the information you have provided.

Treatment	Additional Benefit	Overall Survival %
Initial conservative management	-	42%
Radical treatment	1%	44%
If deaths from prostate cancer were excluded 45% would survive 10 years.		

This display shows the outcomes for 100 men. These results are based on the inputs and treatments you selected 10 15 years after diagnosis



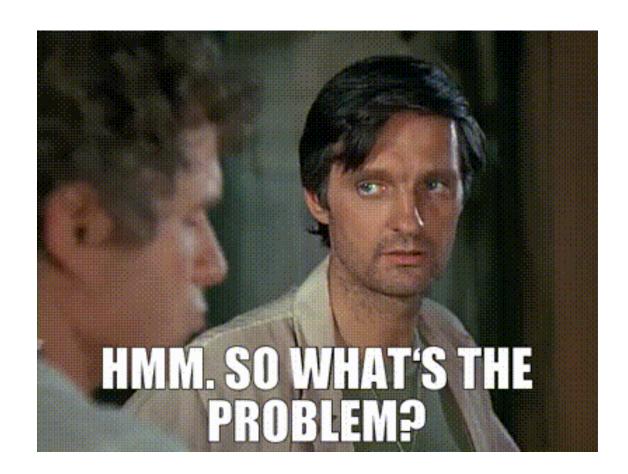
55 deaths due to other causes

1 prostate cancer related death

2 extra survivors due to radical treatment

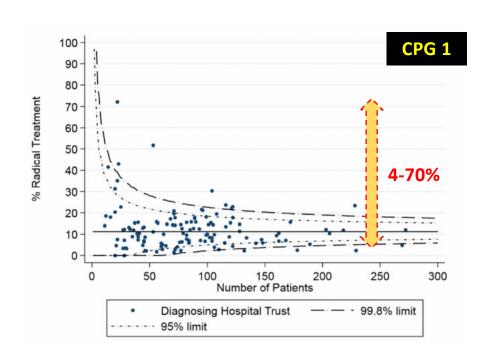
42 survivors with initial conservative management

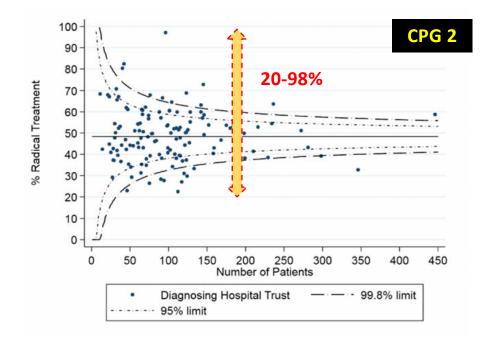






There is a huge variations in NHS treatment rates Significant over-treatment depending on where/by whom a man is seen

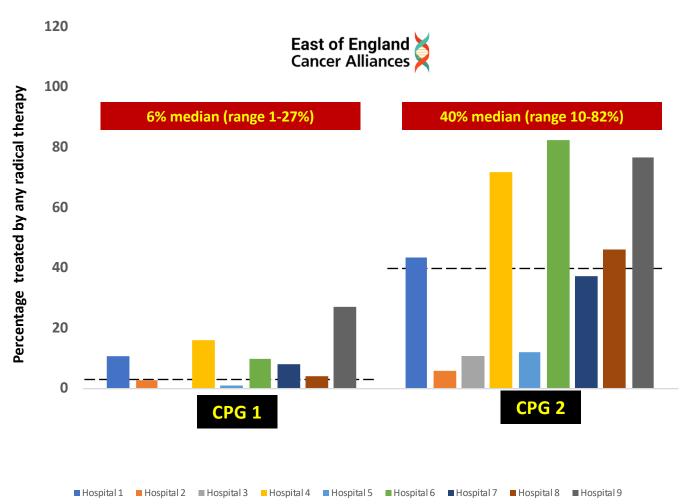








Radical Treatment by CPG 2024 audit – 10 hospitals



A critical
determinant of
whether a man with
early cancer gets
advised to have
treatement is where
and by whom they
have been seen – not
their disease type



There is no UK standard for how men are counselled for prostate cancer and what tools are used

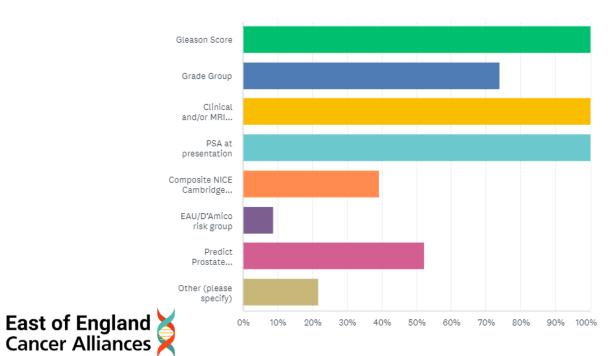
Despite NICE guidance on using CPG and Predict - Large variability in uptake

POSTCODE LOTTERY

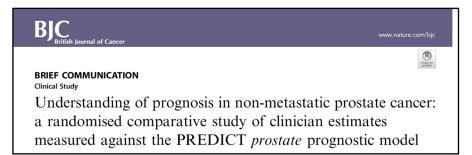
Do you use prognostic tools in your counselling?

Yes No Sometimes Don't know of any 0% 10% 20% 30% 40% 50% 60% 70%

What information do you give your patients?





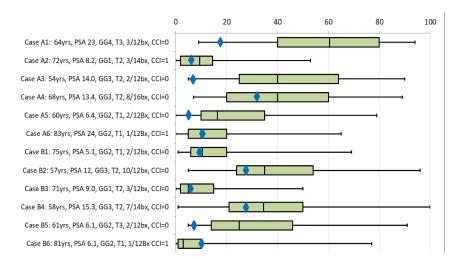


The range of opinions from clinicians on how likely the disease would result in prostate cancer mortality



The actual mortality risk from prostate cancer





Using CPG and Predict prognostic tools is proven to

Reduce variations in clinician likelihood of recommending over-treatment







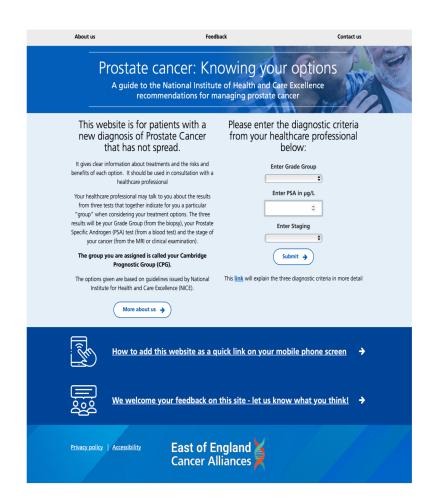


The reduction impact in clinicians changing their recommendations to have treatment after using the Predict Prostate estimates



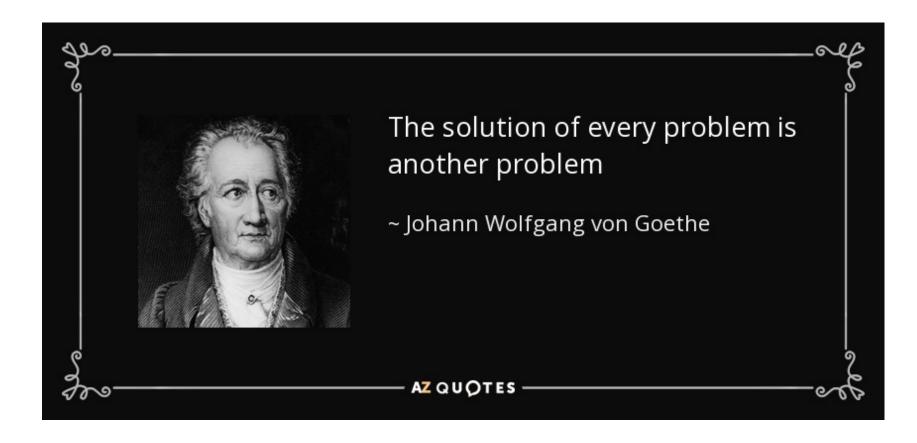
To reduce over-treatment and national variations We need

- Adherence and compliance with NICE recommendations and tools
- A standardized method to provide information and counselling
- A national program of clinician reeducation
- Patient empowerment to access
 National Guidance without the arbitrary knowledge base of who they may see and where







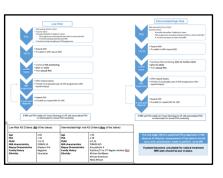


If we dont need to offer radical treatment then we need to have something else just as good to monitor men



BUT.....Active Surveillance the Wild West of prostate cancer management







Cheshire & Merseyside

Cancer Alliance

Protocol for Supported Self-Management in the follow

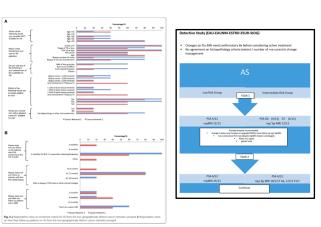
up of Breast, Colorectal and Prostate cancer



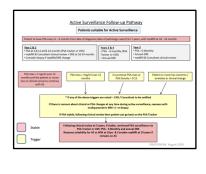






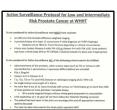






SELF MANAGEMENT









NO well evidenced standard

NO set protocol

NO quality control

NO measurable outcome

NO agreed budget/resources

NO investment

NOT a PRIORITY for cancer targets

NO dedicated team/staff

Active surveillance does not have a quality benchmark



Any interventional treatment for prostate cancer





Active surveillance





To have good active surveillance practice

We need



Empower men to be aware of their management and what to look out for

Have a clear evidence based protocol with end points and triggers for better management

Ensure men are supported while on AS and equally be aware early of disease progression that needs treatment



Patient confidence





Active Surveillance for Early Prostate Cancer:
Recommended Risk stratified follow-up schedule.

Active surveillance refers to monitoring of early prostate cancer. The aim of active surveillance is to avoid treatment unless the cancer develops to a stage where it may cause harm. Indeed, and compatition studies it has been found to be as good is nimediate treatment in terms of survival (the risk of dying of prostate cancer). In men with Cambridge Prognostic Group (PG) or CPG2 prostate cancer, active surveillance is a recommended option for managing prostate cancer by the KI National Institute for Health Care Excellence (NICE). To read about the NICE recommendations and what CPG means, please access the East of regland Cancer Allance website and NICE Guidance information website – links found on this page.

**Voil the NICE Cambridge Prognostic Group Verball Cancer Surveillance (STRATCANS programme has been developed to provide a personalised schedule for monitoring app and of active aurveillance. The evidence for this website on the Department of Unology.

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Prostate Volume (mis)

PSA Density

PSA Density

**No Cambridge Prognostic Group 3 or higher, It also assumes all diagnosis topics were using MB guidance to sample from targets of Cambridge Prognostic Group 3 or higher, It also assumes all diagnosis topics and the three to a greater of the prognostic or the schedule of the prognostic or active and the prognostic active and the

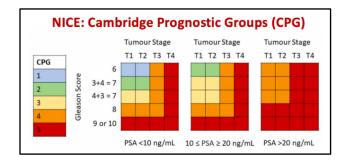


Personalised Risk Stratified Active Surveillance

Implementation toolkit for men with Cambridge Prognostic Group 1 (CPG1) or CPG2 prostate cancer.

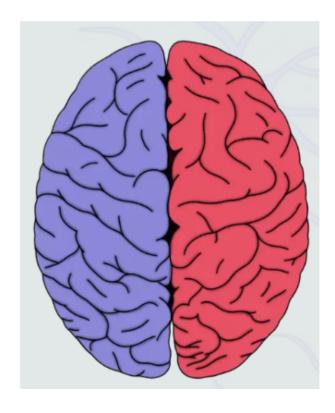


To reduce over-treatment of prostate cancer We need both



Educated doctors and nurses to understand prognosis and use national endorsed guidance and tools.







Robust, standardized and well resourced
Active Surveillance programmes in the NHS



