





* Developing Digital Technology Solutions to Improve Care for Cancer Patients

Mr Tony Bradley – Patient representative
Dr Judy Christian - Clinical Oncologist
Dr Ananth Sivanandan – Clinical Oncologist

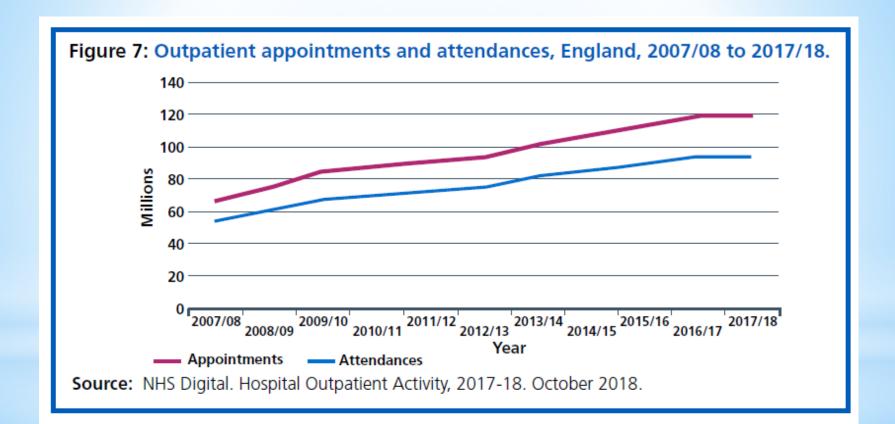
Nottingham University Hospital NHS Trust











WHY DIGITAL?

Improved Clinical Outcomes for Patients

Remove any unnecessary face-to-face follow up appointments to better target resources

Improved
Experience for
Patients

Giving patients more control over their secondary care, reducing impact on their time and cost.

Reducing Risk to Patients

Reduce Risks relating to patients that are immunocompromised by eliminating any unnecessary hospital attendances.



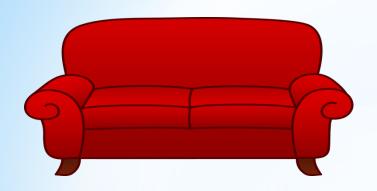
"The traditional model for outpatients is outdated and unsustainable..." RCP 2018

of pensioners who attended an outpatient appointment reported feeling worse afterwards because of the stress involved in the journey alone.



Ambition

If it was you having the treatment, what would you design?



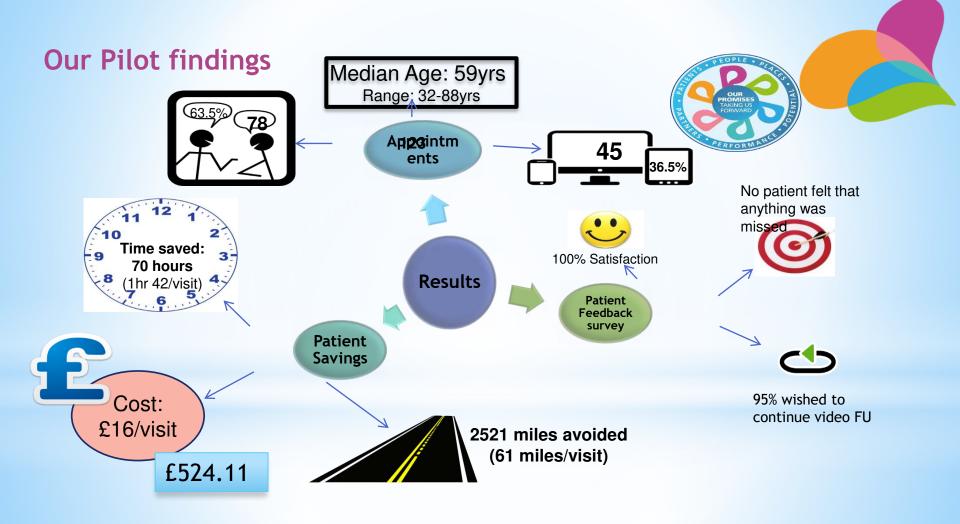
What if you could sit at home, on your sofa, with the cat, drinking your tea with your family and have your consultation from there?





"It is very silly what I am going to say but when you come out of the hospital, everyone is busy in their own lives but for you your world stops, you have nothing underneath you but you have to carry on, you have to get home. But if someone said that to me at home, then at least I am at home, I am safe, I can't explain it."

Virtual video clinics



What they told us.....

Geoffrey- 88 years old, Lincoln

"I felt that this was a excellent way to have an appointment and enabled me to continue caring for my wife as well as receive expert care."



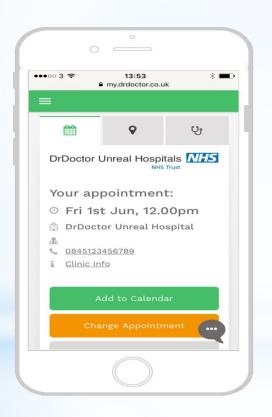
Ann- 65 years old, Northampton

"Wonderful to be able to speak to specialists in the privacy of our own home. This relieves the stress attached to travelling to and attending clinic. Thank you for offering this service. It would have cost us £50-£60 to attend"

Digital PROMS clinics

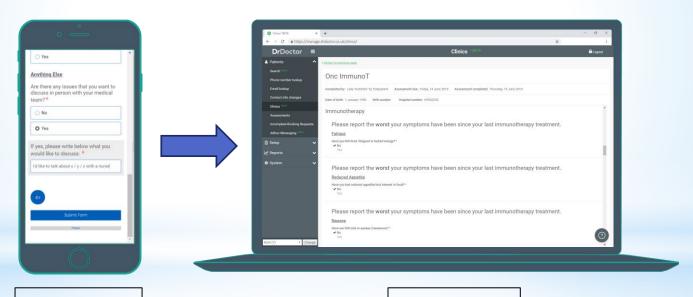
Does everyone with something to say, need to say it at the hospital?

Can we assess patients online?



Through the DrDoctor portal, patients can access and answer clinical questionnaires, written by the clinician

Questionnaires flow from Smartphone to Hospital



Patient

Clinician



Did the questionnaires correctly flag up symptoms?

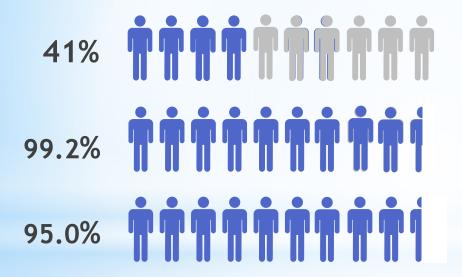
Grade 2 or above	Clinician		Totals
Patient	Yes	No	
Yes	44	16	60
No	3	27	30
Totals	47	43	90

96.7% (87/90) YES!!

False negative rate for patient questionnaires 3.30% (3/90)

(All for low-moderate symptoms)

Oncology Go Live! Reduced face to face activity



Enrolment Rate

27 patients out of 66 patients on the pathway

Questionnaire Completion Rate 99.2% of patient questionnaires have been completed (118 out of 119)

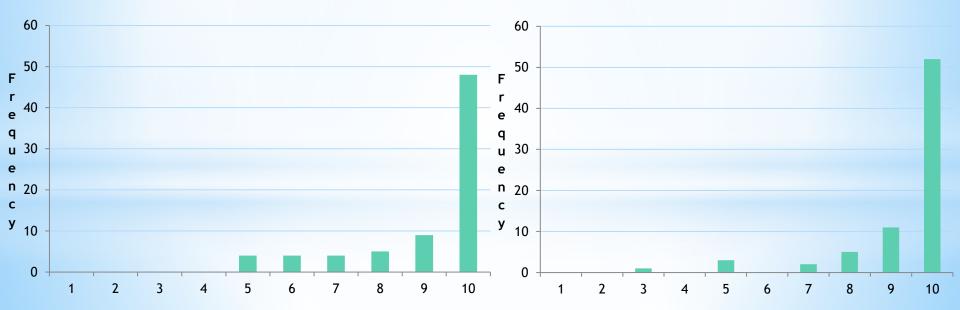
Reduction Rate

119 appointments on the digital review clinic - 113 didn't require a face-to-face follow up appointment.

Improved Patient Experience

Q. How confident were you with reading and answering the questions on the tablet?

Q. Did the questions cover everything you would normally discuss at clinic?



Improved Patient Experience

Would you be happy to use these questionnaires routinely to supplement your care?

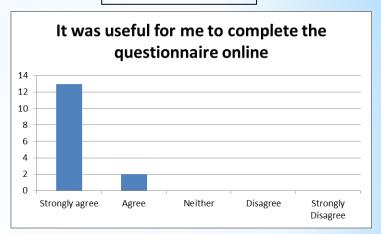


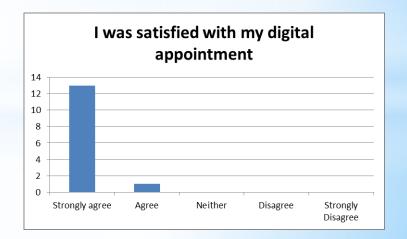
Face to face clinic





Digital clinic







➤ Digital questionnaires offer choices over routine care and don't replace current provision of urgent care.



Ambition

If it was you having the treatment, what would you design?







- *Dr Judith Christian
- *Dr Michael O'Cathail
- *Dr Ananth Sivanandan
- *NUH My Online Care team
- *All the patients who were willing to give it a go

Funding:

Nottingham Hospitals Charity
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