

MyChristie
MyHealth

Keep the team
up-to-date
from home



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NHS Foundation Trust

This new service regularly monitors your symptoms at home, helping us better understand your health. Time spent with your clinical team can then be more focused on your care and any issues you may have during or after your treatment.



You will receive text messages from the Christie (+447860039092) which will give you access to MyChristie-MyHealth's online questionnaires.

You can complete these questionnaires from home on your mobile, tablet or computer. These are to be discussed with your clinical team at your next appointment.

The online questionnaires will ask about your:

- Symptoms
- Physical health
- Quality of life



Implementation of e-PROMs into routine clinical care: experience from a UK comprehensive cancer centre

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The Hong Kong Polytechnic University
HKSAR Global STEM Professor



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

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Christie Patients



- 3.2 million population
- 12 local authorities, 15 hospitals
- High deprivation levels
- The Christie, 2021-2022:
 - 100,000 patients treated
 - 500,000 patient contacts
 - 103,000 radiotherapy treatments
 - 85,000 outpatient chemotherapy treatments
 - 95% ambulatory care
 - Specialised services (regional and national)

What is a patient-reported outcome?

“Any report of the status of a patient’s health condition that comes directly from the patient, without interpretation of the patient’s response by a clinician or anyone else”

– FDA, 2009

- **Questionnaires** completed by patients
- Provide **insight** into patients’:
 - Physical and mental health
 - Acute and long-term (late effects) symptoms
 - Disease/treatment impact on lifestyle and quality of life

PROMs in oncology

- **Particular interest**

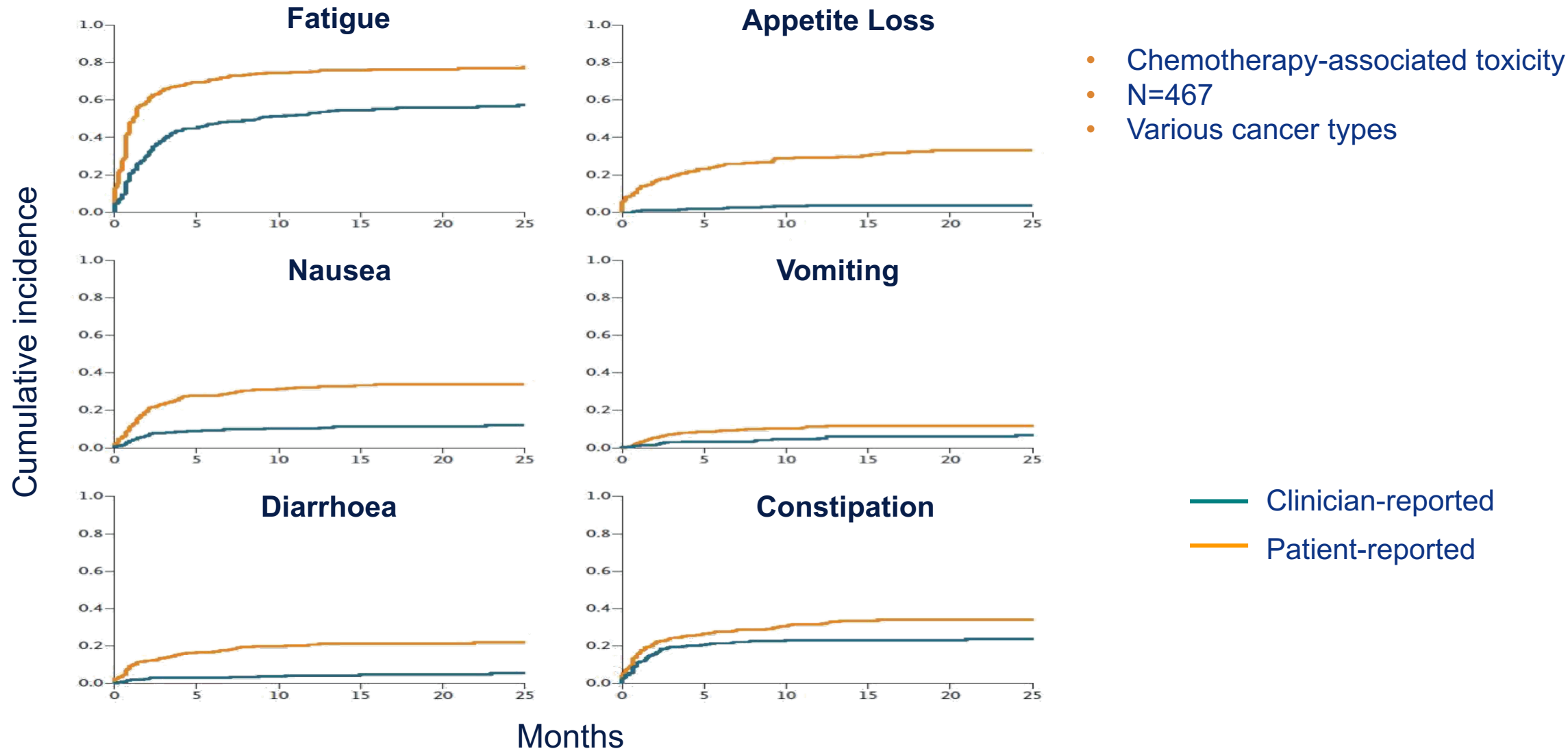
- Often limited survival and high disease burden
- Complex treatments requiring careful evaluation, shared decision-making

- **Routine, longitudinal measurement in clinical practice**

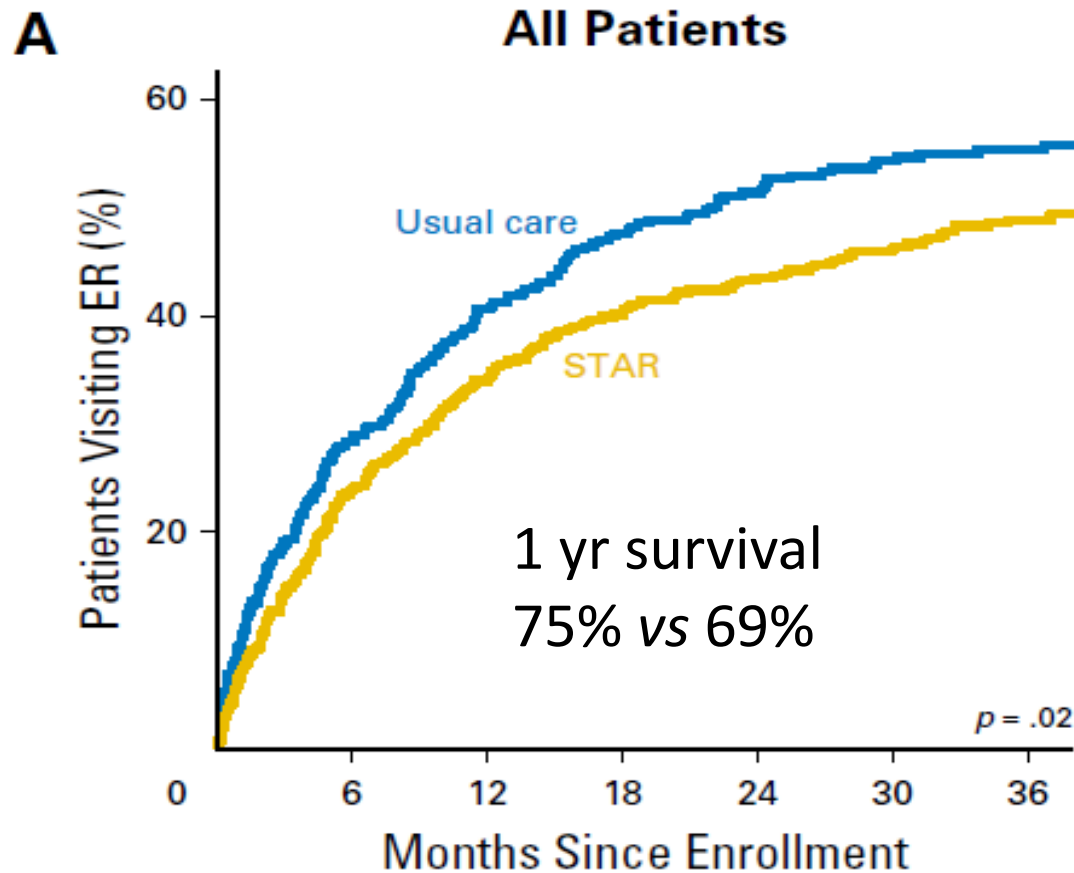
- Patient-centred care (communication, monitoring, detection of problems)
- General quality of care (patient management, health outcomes, transparency, accountability and public reporting)

PROMs provide important information directly from the patient – the ‘true story’

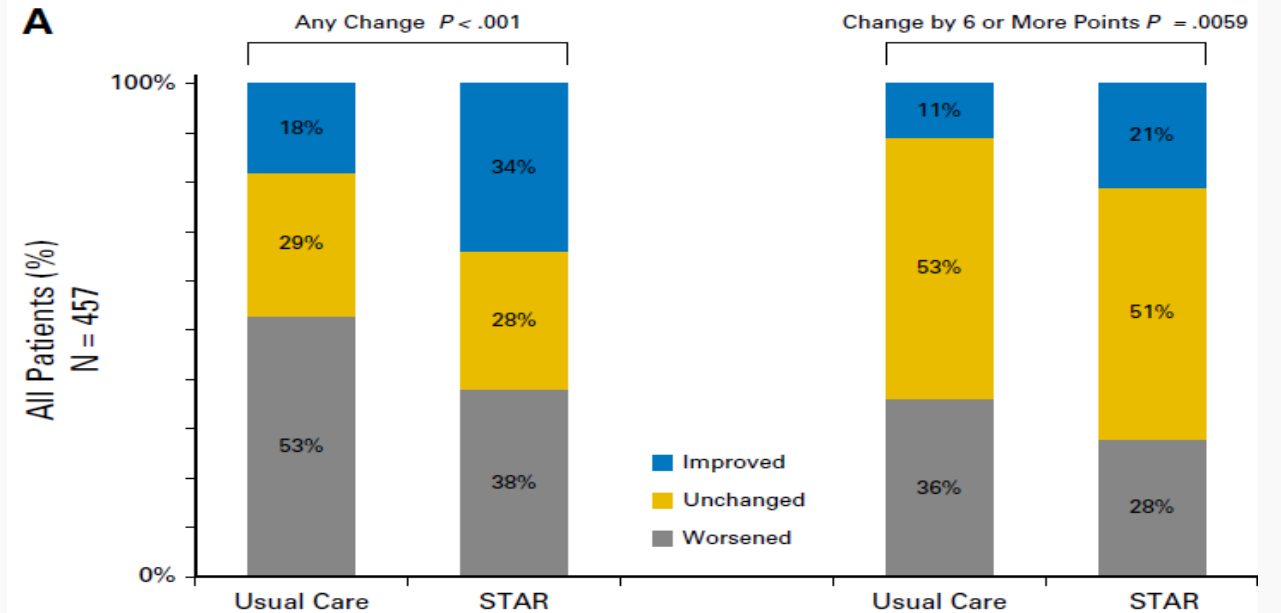
Patient- vs clinician-reported toxicity



Enhanced monitoring with ePROMs improves QoL



N = 766 pts; OP chemo, randomised to STAR (ePROMs) vs usual care
Nurses received automated alerts



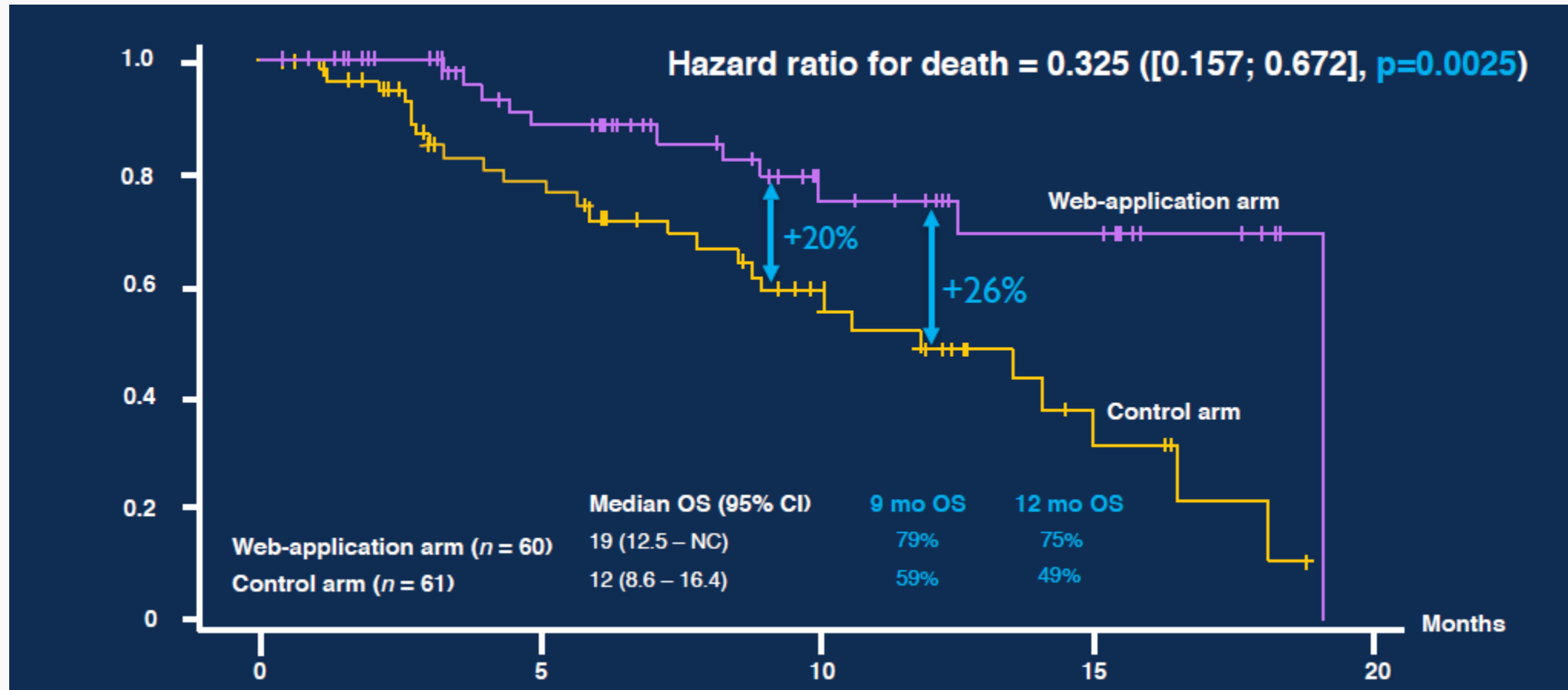
Proportion of patients with health-related QOL changes at 6 months compared with baseline

For patients randomised to STAR vs usual care at 6 months post-enrolment:

- ↑ HRQoL (34% vs 18%, $p < 0.001$)
- ↓ ED attendances (34% vs 41%, $p = 0.02$) & hospitalisations (45% vs 49%, $p = 0.08$)

Basch. et al. *Journal of Clinical Oncology* 34, no. 6 (February 20, 2016) 557-565. DOI: 10.1200/JCO.2015.63.0830

Symptom monitoring via ePROMs improves survival



Key Metrics



>30

Treatment Modalities



>16,000

Patients



>48,000

ePROMs completed

Patient story 1

- JM - 67 y.o. man, Stage III Non Small Cell Lung Cancer
- Heavy smoker, past medical history of heart disease & COPD
- Recruited on ePROM study May 2015
- 1 month post radiotherapy, dyspnoea score increased from 1 to 3

4. Do you get short of breath?	
I am not short of breath, even if very active such as walking, climbing stairs and running errands	<input type="radio"/> 0
I am short of breath, but this does not interfere with my daily activities	<input checked="" type="radio"/> 1
I am short of breath and this does interfere with my daily activities such as light housework and shopping	<input type="radio"/> 2
I am short of breath and because of this I am no longer able to carry out my daily activities and struggle to care for myself such as washing and showering	<input type="radio"/> 3
I have been in hospital with severe/life-threatening shortness of breath	<input type="radio"/> 4

- ePROM prompted clinic review, diagnosed with PE & treated

Patient story 2

- AR - 54 y.o. man, locally advanced tongue base cancer, HPV related
- Never smoker, no past medical history, self-employed joiner
- Received ePROMs as standard of care
- 4 months post radiotherapy, ePROM reported severe anxiety/depression

Mobility	I have no problems in walking about
Self-care	I have no problems washing or dressing myself
Usual activities	I have no problems doing my usual activities
Pain/discomfort	I have slight pain or discomfort
Anxiety/depression	I am severely anxious or depressed

- ePROM prompted referral to psycho-oncology, medication, therapy

MyChristie-MyHealth

- Linked to clinic activity or longitudinal scenarios or ad-hoc
- Patients receive text message 3-5 days prior to clinic
- Completed on phone / tablet by patient / carer
- Instantly uploaded to EHR

14:42

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Please enter your details so we can confirm who you are.

Last Name:

Date of Birth:

Postcode:

Let's go!

[Need help?](#)

By using the platform you are accepting our [Terms of Service](#) and our [Privacy Policy](#).



14:42

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MyChristie - MyHealth

A new online service, where you can keep us up to date with how you are doing, from home.

What is MyChristie - MyHealth and how will it help me?

- It is a new online service that aims to improve communication between you and your clinical team.
- It allows you to keep your clinical team informed on how you are doing between your appointments.



14:42

NHS
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Please answer the following questions according to how you have been feeling **in the past week**.

Do you have any pain in your head, face, throat or neck? *

☐ Yes

☐ No

Do you have a feeding tube? *

☐ Yes

☐ No

I have no problems in walking

Christie ePROMs

Please answer the following questions according to how you have been feeling **in the past week**.

Do you have any pain in your chest, throat, neck, back or abdomen (stomach)?

☐ Yes

☒ No

Do you have any difficulty swallowing?

☐ Yes

☐ No

Do you feel short of breath?

☐ Yes

☐ No

Do you have a cough?

☐ Yes

☐ No

Do you have any difficulty swallowing?

☒ Yes

☐ No

- ☐ I can eat normal foods (Image 1)
- ☐ I can only eat soft and bite-sized foods (Image 2)
- ☐ I can only eat minced and moist foods (Image 3)
- ☐ I can only eat pureed foods (Image 4)
- ☐ I can only eat liquidised foods (Image 5)
- ☐ I can only manage to swallow liquids (drinks)
- ☐ I am unable to swallow liquids (drinks)

This is a guide to help you answer the question above about the foods you can manage.



1

2

3

4

5

The International Dysphagia Diet Standardisation Initiative 2016
@<https://iddsi.org/framework/>.

Please select the ONE response that best describes your health TODAY.

ANXIETY / DEPRESSION

EQ-5D-5L

- ☐ I am not anxious or depressed
- ☐ I am slightly anxious or depressed
- ☐ I am moderately anxious or depressed
- ☐ I am severely anxious or depressed
- ☐ I am extremely anxious or depressed

© EuroQol Research Foundation. EQ-5D™ is a trade mark of the EuroQol Research Foundation

Please select the number that best matches the colour of your urine in the last 24 hours

7

1 2 3 4 5 6 7 8

www.thinkkidneys.nhs.uk



How does the service work?



Images and information provided by J Yorke, The Christie NHS Foundation Trust.

Christie ePROMs Programme

**ePROMs
Hospital-wide
roll out**



**ePROMs-driven
personalised
follow-up**

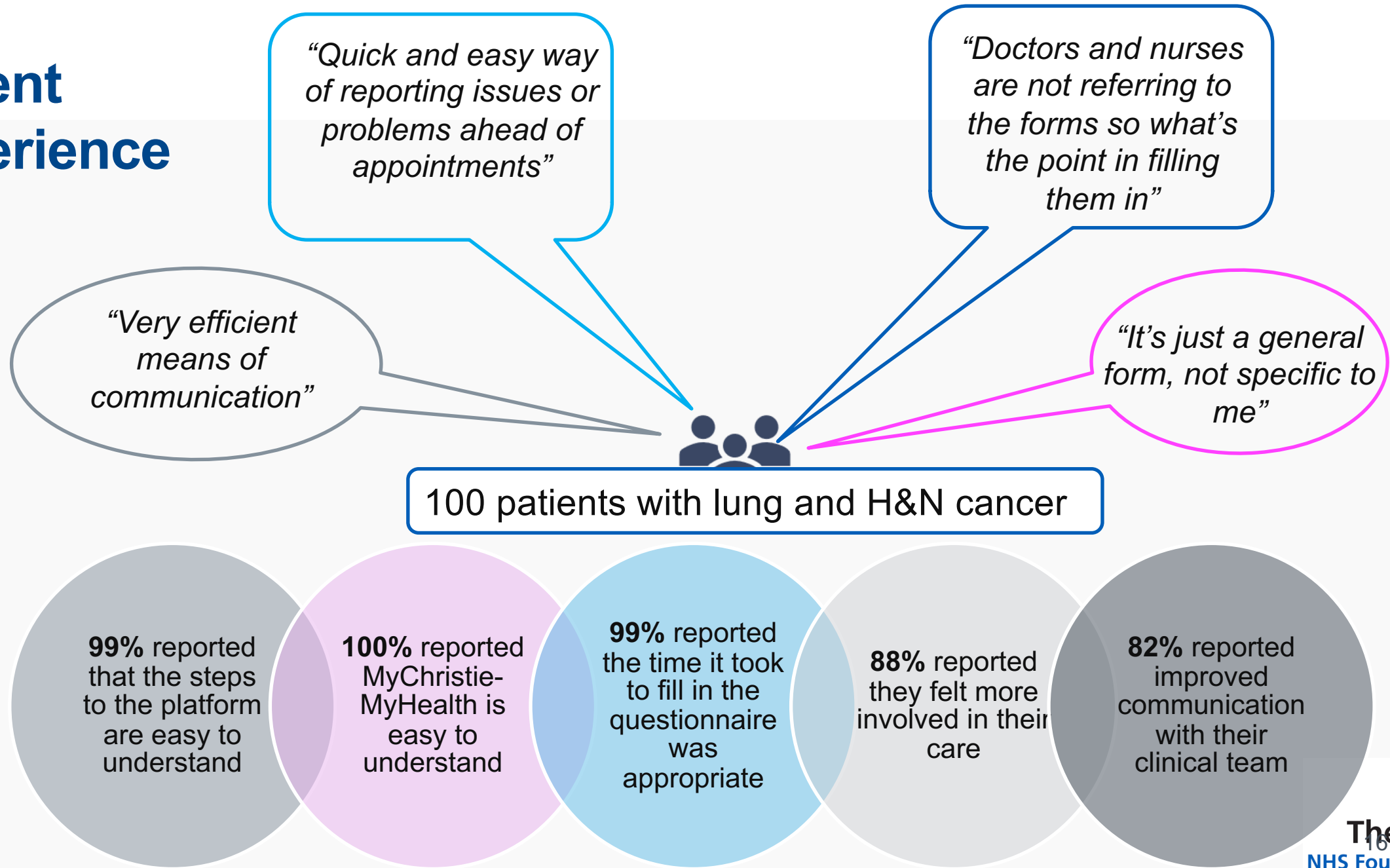


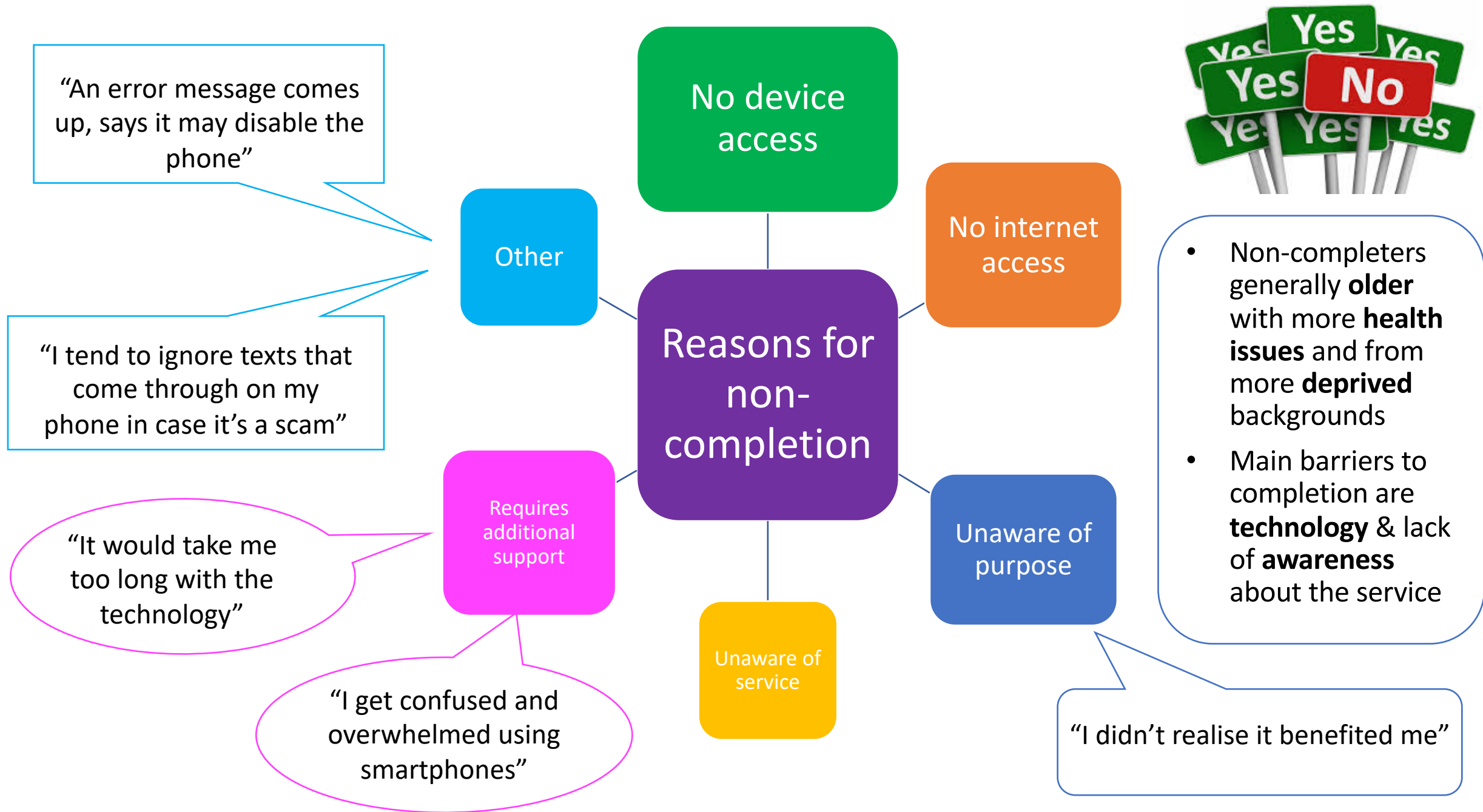
**Responsive
ePROMs service**



Real World Data Research - Learning from every patient

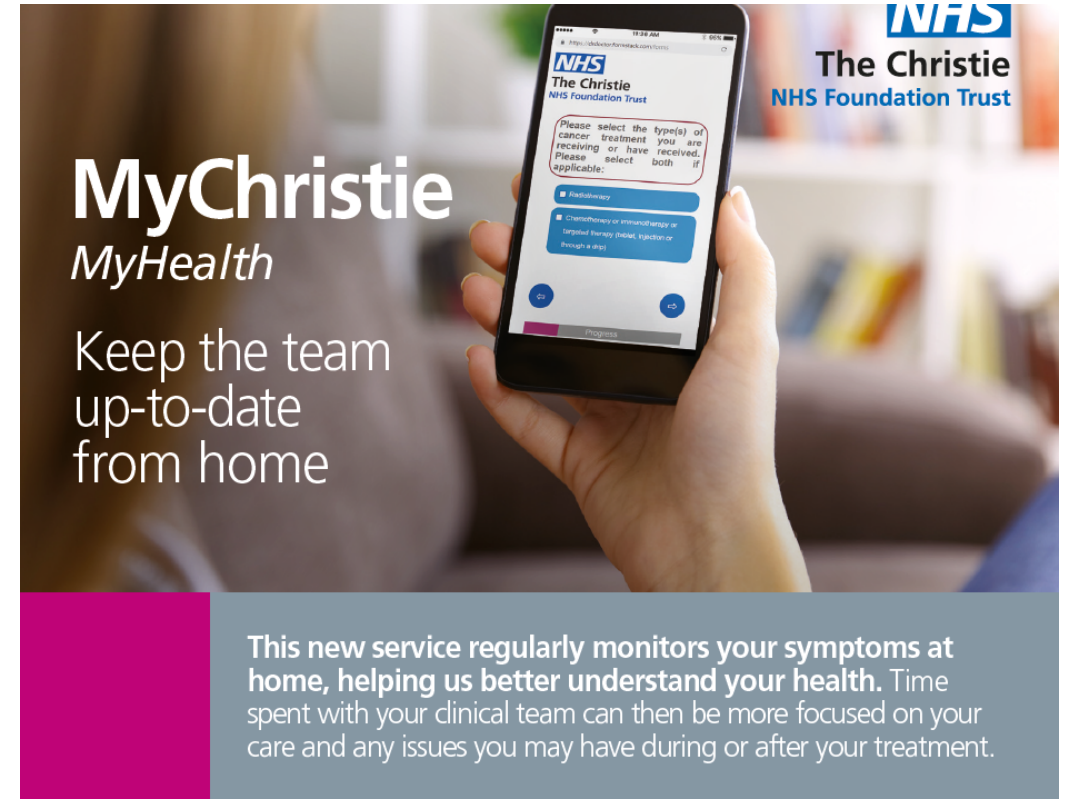
The Patient Experience





Summary

- The use of PROMs is an integral part of excellent clinical care
- ePROMs are convenient and advantageous for patients & clinicians
- Particular role in treatment pathways and capturing toxicity
- Clinician buy-in essential
- Need to ensure equality of access



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LEADERS IN REAL WORLD OUTCOME

Real World Outcome office



WORLD CLASS RESEARCH

The Christie
NHS Foundation Trust



CANCER
RESEARCH
UK

MANCHESTER
CENTRE

Cancer Economics



Bioinformatics
Biomarkers
Comorbidity
Polypharmacy



Real World
Pragmatic trials



Personalised
treatments



A new online service, where
you can keep us up to date
with how you are doing,
from home.



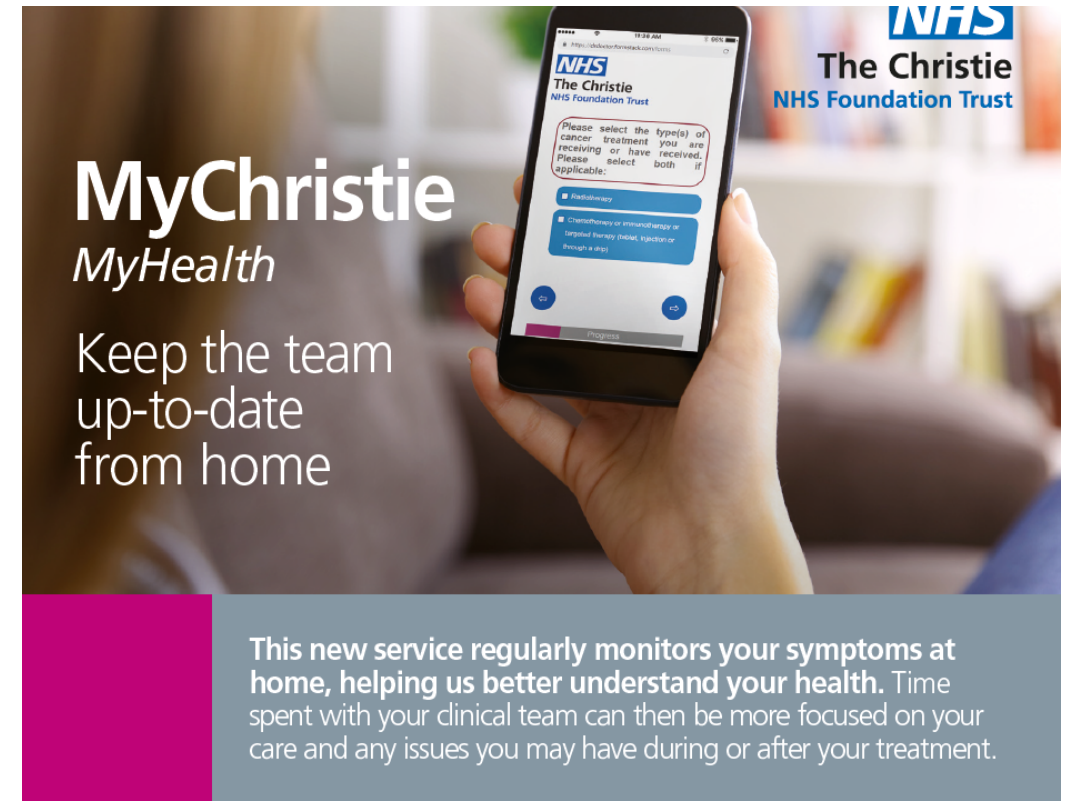
Our ePROMs team receiving the Innovation Award at the first-ever [Greater Manchester Cancer Awards](#).

- The Routine Clinical Implementation of Electronic Patient-reported Outcome Measures (ePROMs) at The Christie NHS Foundation Trust (Crockett. Clin Oncol. 2021)
- Initial Clinical Experience of Routine Electronic Patient-Reported Outcome Measures at the Christie NHS Foundation Trust (Crockett. Clin Oncol. 2022)
- The Role of Electronic Patient-Reported Outcome Measures in Assessing Smoking Status and Cessation for Patients with Lung Cancer (Convill. Oncol Ther. 2022)
- Experience With the Routine Use of Electronic Patient-Reported Outcome Measures for Patients With Lung Cancer (Crockett. JCO Clin Cancer Inform. 2023)
- Patient and clinician-reported experiences of using electronic patient-reported outcome measures (ePROMs) as part of routine cancer care (Payne. J Patient Rep Outcomes. 2023)

Thank You

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