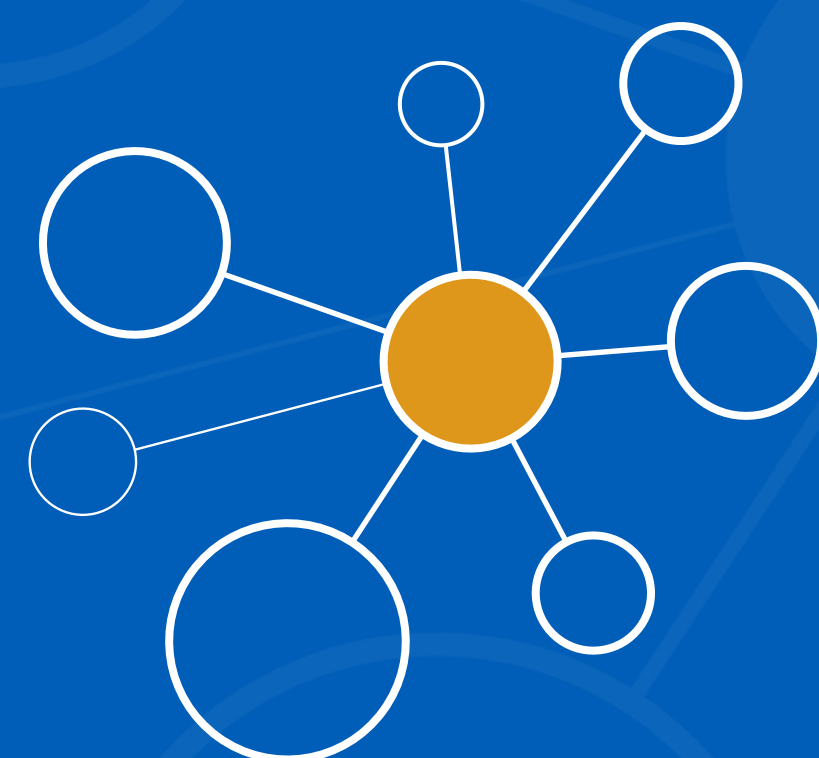




Increasing Radiographer Confidence in the Mark Up On Set Process

Ellie Pitt – Specialist Practitioner Radiographer, Radiotherapy
Megan Webb – Specialist Practitioner Radiographer, Radiotherapy



Safety Concern

NICE 2023- offer urgent radiotherapy for emergencies:
How is this done when there is downtime on the department's CT scanner?



Aim

Increase Radiographer confidence in the mark up on set process by 40% in 6 months by introducing an updated process, in line with clinical practice.



Cycle 1 – Create confidence questionnaire to assess current confidence in Mark Up On Set process, review results and prioritise areas for development with new training package and method of training delivery.

Cycle 2 - Creation of new mark up on set process, SOP and training package. Delivered to Radiographers using phantoms and re-measured confidence using second questionnaire.

Driver Diagram Summary



TRAINING

Staff training and competency

- Practical simulation-based learning
- Understanding of CBCT planning workflow
- Understanding of imaging limitations



CONFIDENCE

Staff confidence and engagement

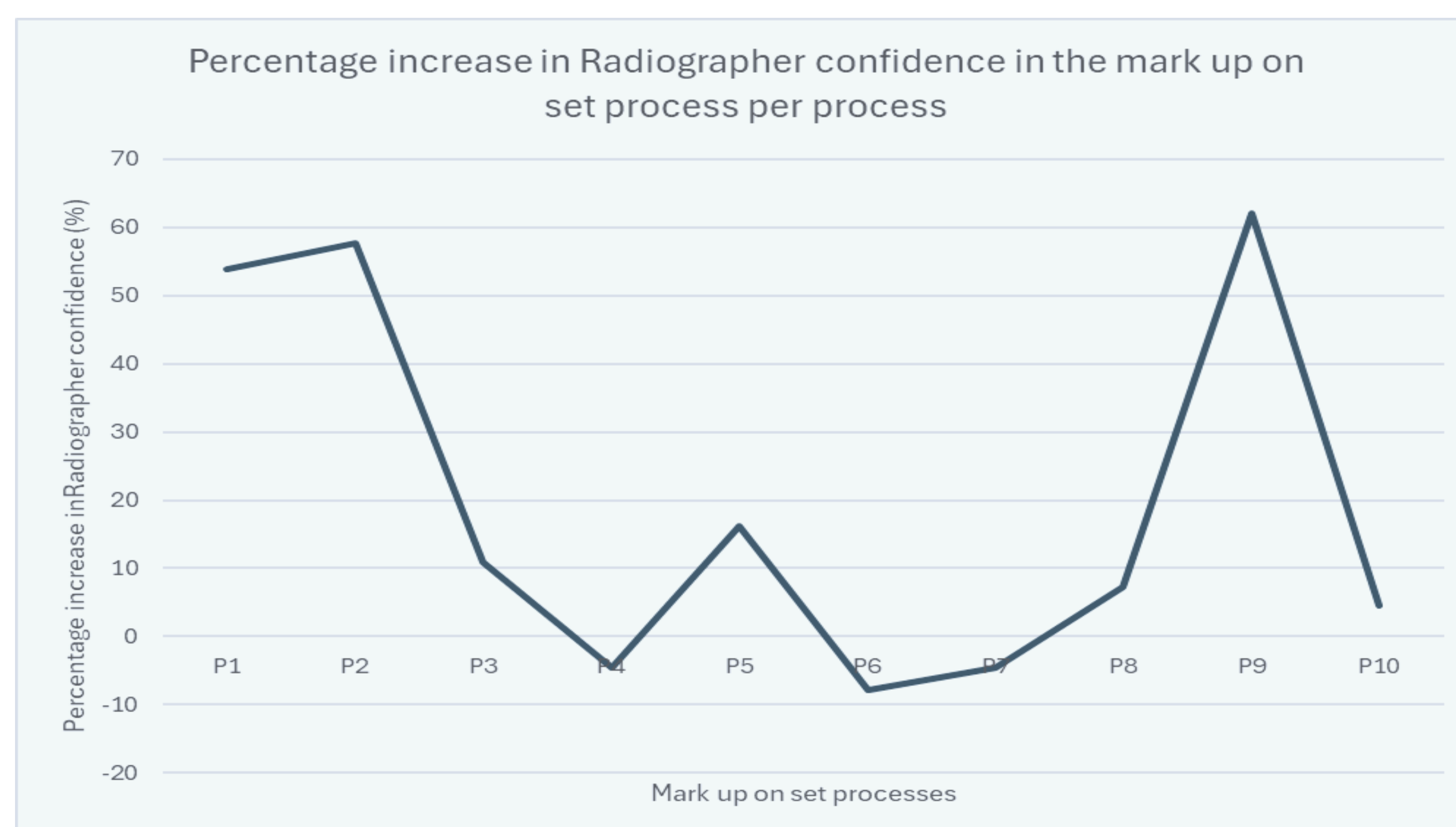
- Increased familiarity with CBCT workflow
- Confidence in decision making



ACCESS

Access to reliable imaging for patients

- Alternative planning pathway during CT downtime
- Enable RT closer to home
- Reduced dependence on CGH CT scanner



Overall % increase in confidence = 15%



OUTCOME

Increased confidence of procedure, based on feedback from the questionnaire following training



PROCESS

- Review feedback from process
- Review confidence of staff to establish if further training needed.



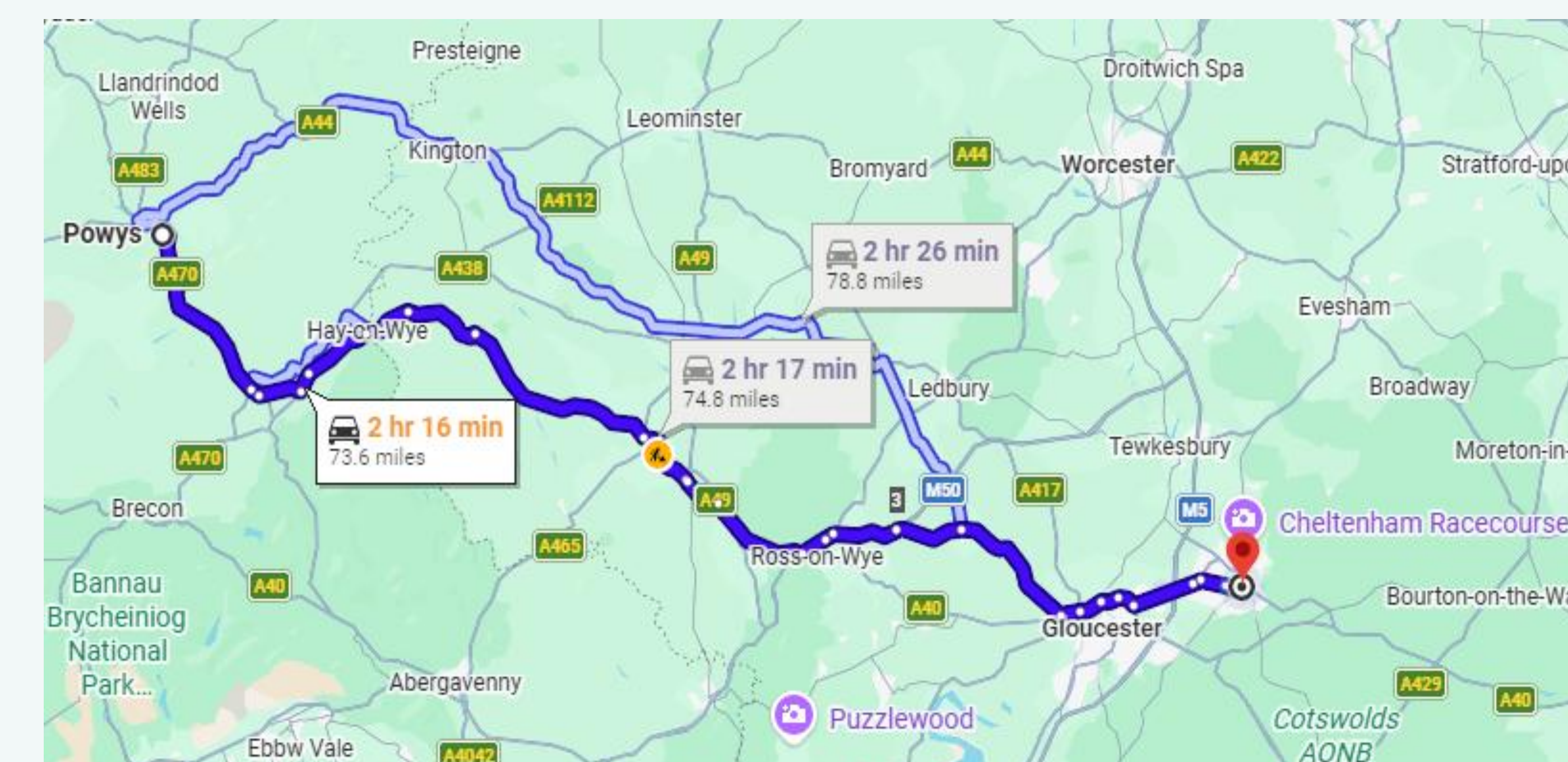
BALANCING

- Review whether there is an increase in mark up on set numbers due to an increase in confidence
- Review the impact on Linac capacity

Other Benefits

- Reduced need to travel to CGH
- Enable radiotherapy closer to home
- Minimise discomfort for patients with advanced cancers
- In line with National Cancer Plan - 2026

Acknowledgements: Dr Katie Wallace, Elaine Smith, Ramona De Souza, Mark Foggarty, Alison Cole



Next Steps- Additional training, implement into clinical practice and review staff confidence and patient numbers over 12 months.