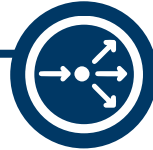


Earlier detection and diagnosis:

Use of AI in earlier lung cancer detection – Qure AI and Greater Manchester Cancer Alliance



- More than **43,000** people are diagnosed with lung cancer every year in the UK¹
- The UK has one of the worst five-year lung cancer **survival rates** in Europe²
- Observer scanning errors account for up to **30%** of lung cancers that are missed on chest X-rays



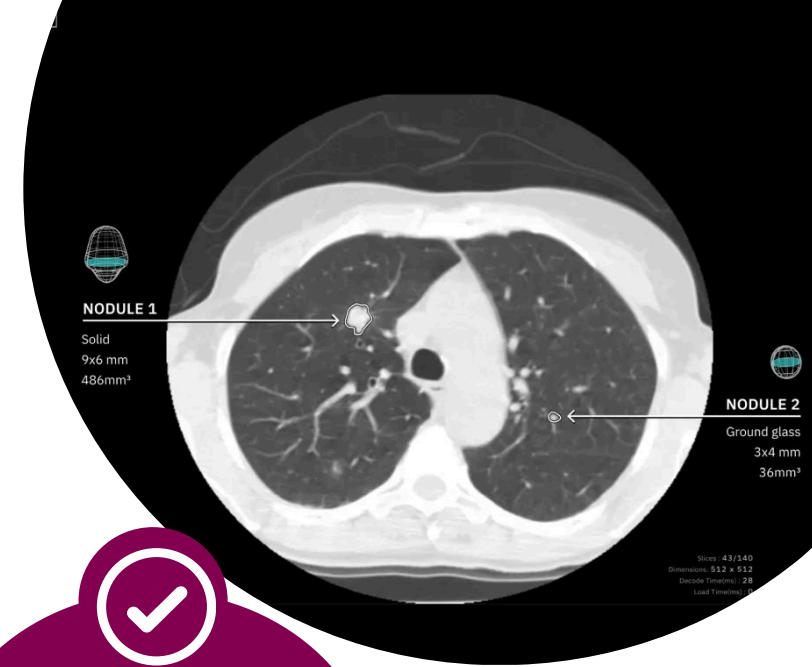
Our collaboration focuses on demonstrating the impact of **AI-enabled triage** on all the chest X-rays in GMCA in order to:

1. Diagnose patients earlier
2. Accelerate navigation through pathway to treatment
3. Increase curative intent treatment rates

This project is the first of its kind to implement AI at scale in lung cancer

qure.ai

NHS
Greater Manchester
Cancer Alliance



Covers **6 main Acute Hospital Trusts** in Manchester

>300,000 chest X-rays to be processed



Shown AI can reduce report turnaround times for prioritized chest x-rays with a **46% improvement** in achieving the national optimum lung cancer pathway target vs the average at the first pilot site

1. NHS UK. Conditions. Lung Cancer. Last accessed: May 2024

2. ABPI. Cancer in 2020 and beyond. Last accessed: May 2024.

3. Healthcare Safety Investigation Branch. Missed detection of lung cancer on chest X-rays of patients being seen in primary care. Last accessed: May 2024.

