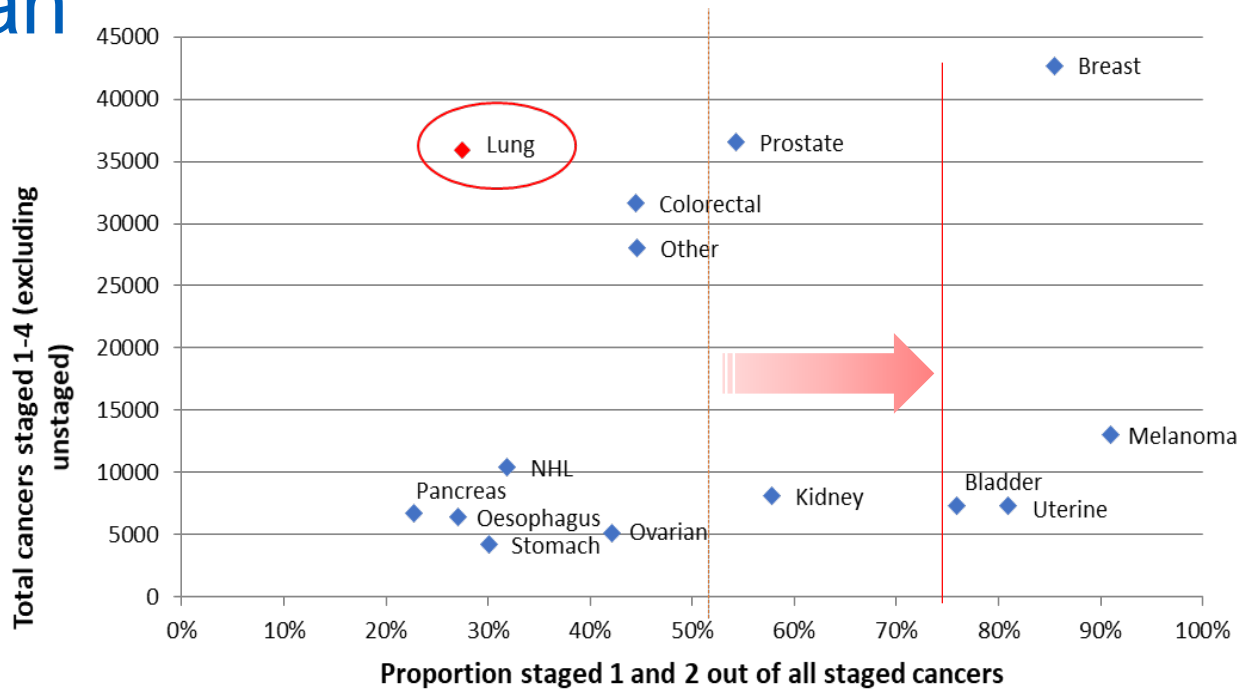


The NHS England TLHC Programme

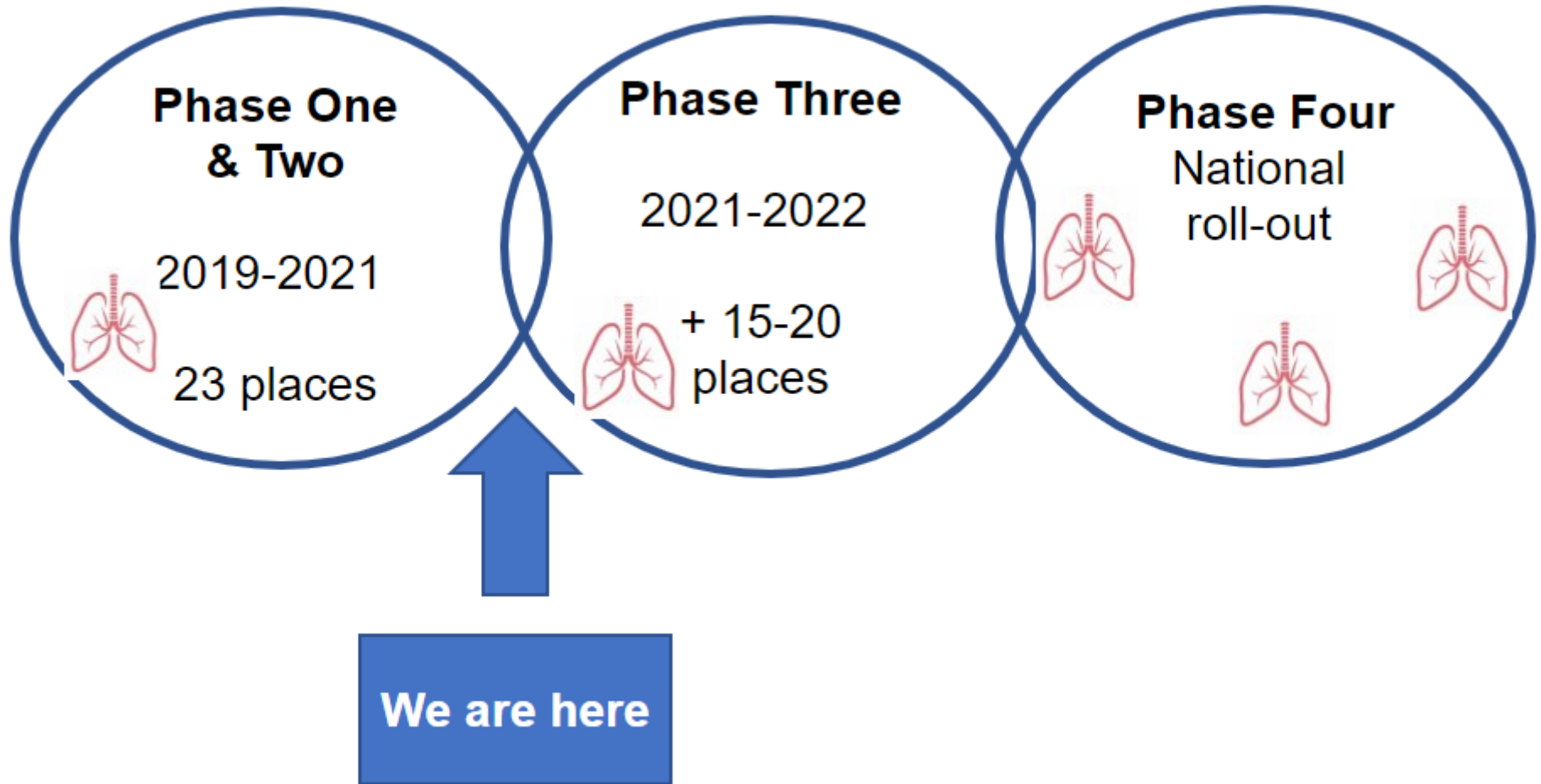
Early Diagnosis and the Long Term Plan



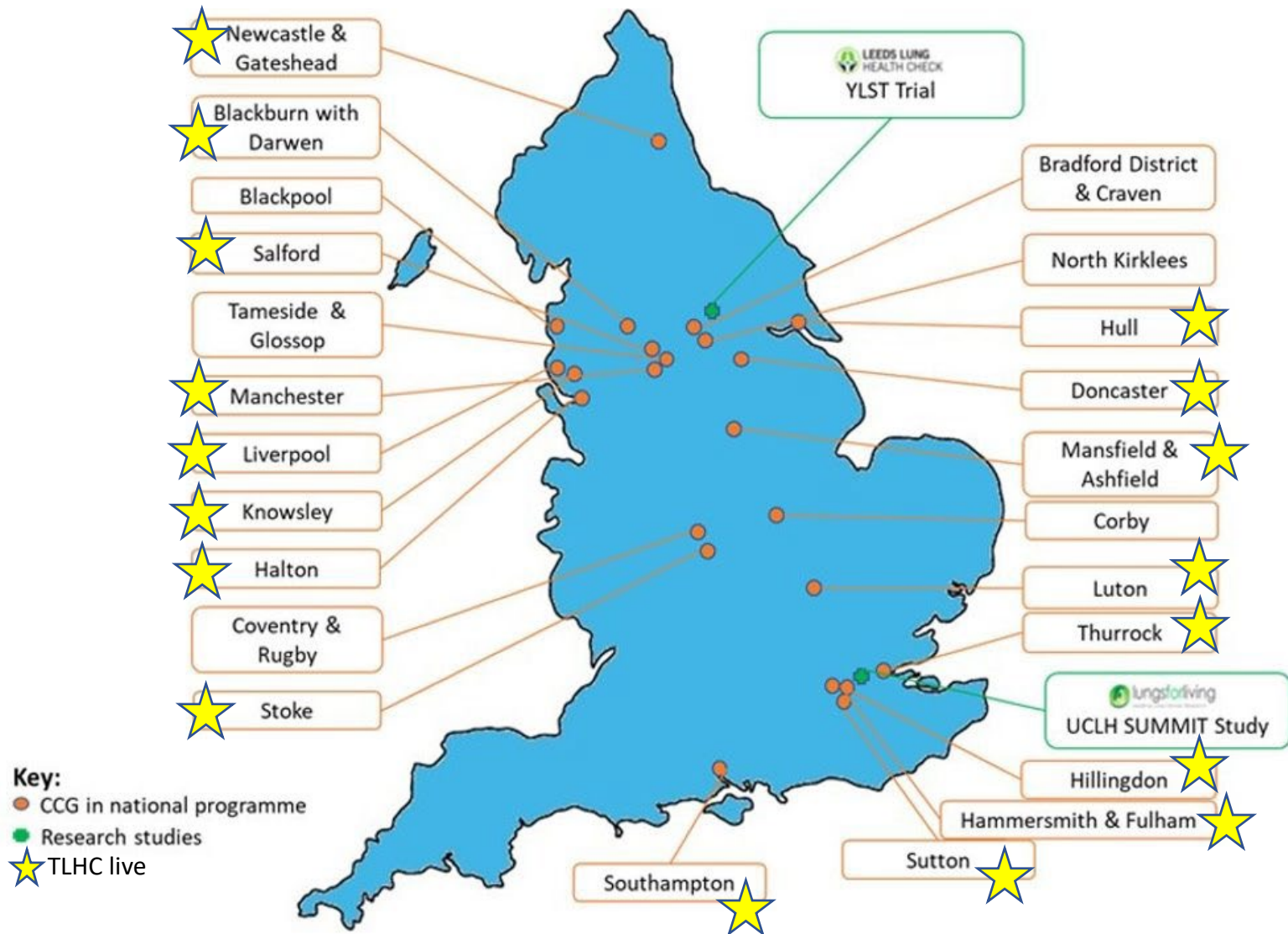
Two ambitions set by the government. By 2028:

- An extra 55,000 people each year will survive for five years or more following their cancer diagnosis.
- Three in four cancers (75%) will be diagnosed at an early stage.

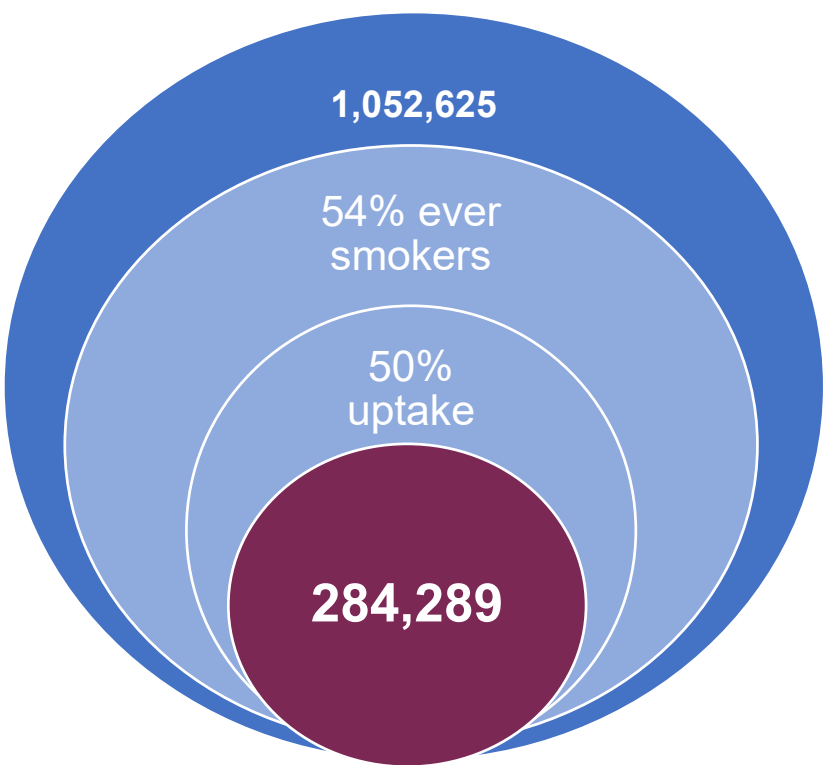
Targeted Lung Health Checks



Geographical Spread



Potential Impact of Phases 1 & 2



Aged 55 - 74	1,052,625
Ever smoked	568,418
Lung Health Checks	284,289
Initial CT scans	142,032
Clinical Investigations	8,380
Indeterminate results	20,168
24 month follow up CT scan	117,318
Lung cancers detected	6,101

* Modelling derived from Manchester LHC pilot

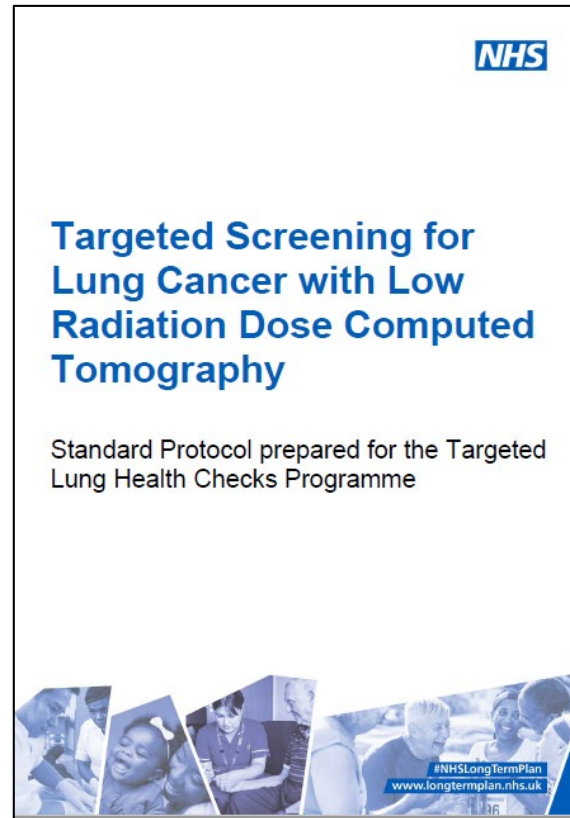
Rollout/expansion

- The TLHC programme will be expanded by 15-20 sites and an additional 750,000 – 1,000,000 eligible participants.
- It is estimated that over 4 years, an additional 4,500 cancers could be diagnosed, with 3,000 at an early stage
- A full national rollout could diagnose an additional 6,500 cancers at early stage each year by 2028,

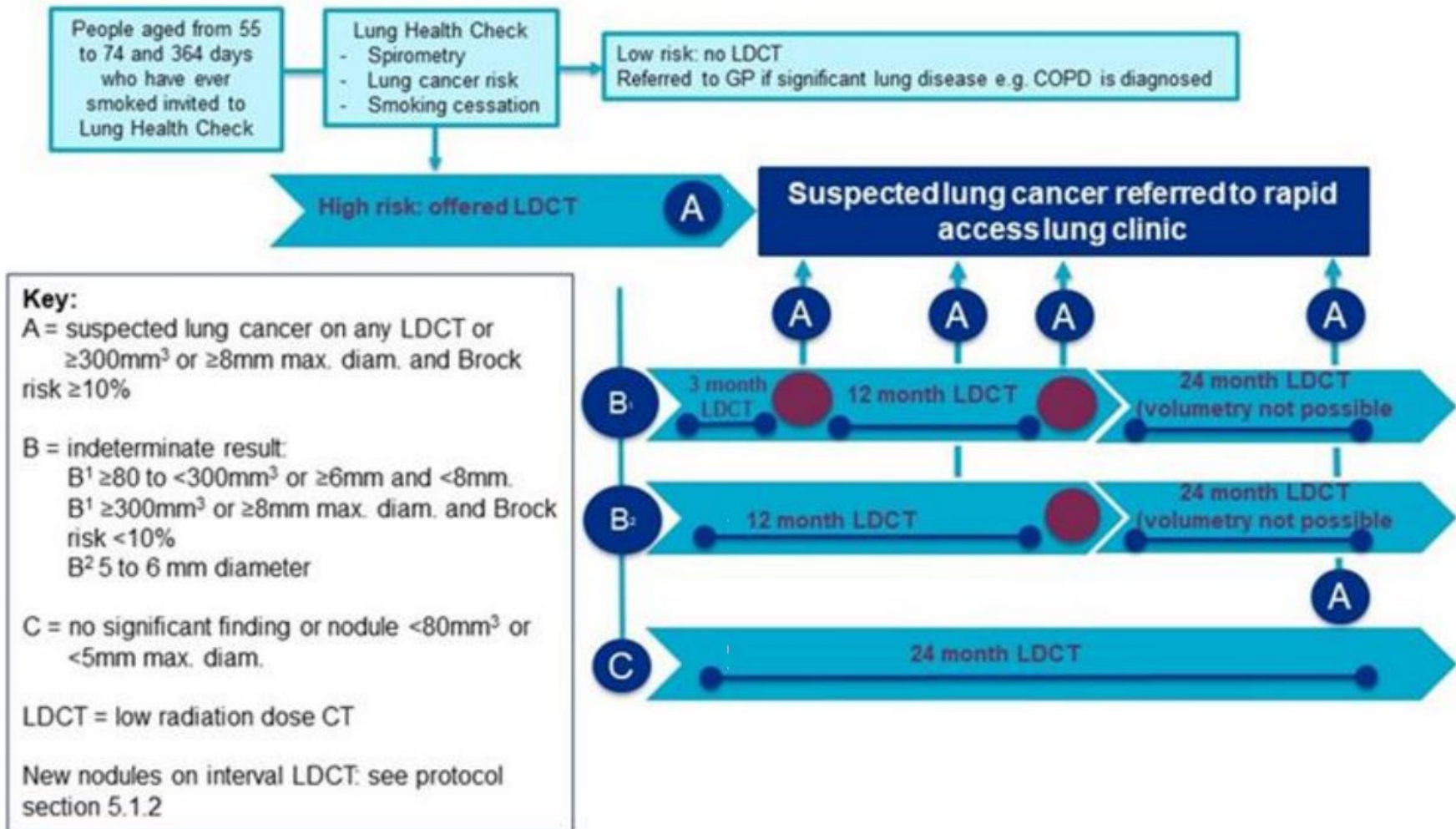
How TLHC works

- Standard Protocol
- Patient pathway
- Governance
- Risk tools
- Quality Standards
- Smoking cessation

Standard Protocol



Standard Protocol: Patient pathway



Standard Protocol: Risk tools

- PLCO risk prediction model
 - ($\geq 1.51\%$ over six years)
- Liverpool Lung Project v2
 - ($\geq 2.5\%$ over five years)
- Common risk factors:
 - Age
 - Smoking history
 - Family history
 - Other conditions
- Other factors
 - Education level
 - BMI
 - Ethnicity
 - Gender
- MHRA approval



Standard Protocol

FAQ Decision Log

Patient information and consent

- Information resources are available on Futures
- Patients must be made aware of the risks and benefits of LDCT

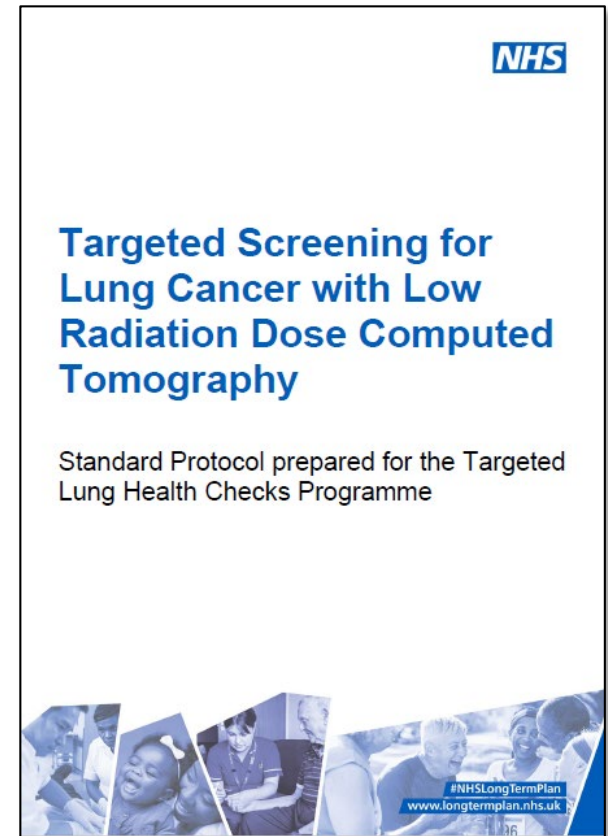
LDCT acquisition and reading

- Software requirements
- CT image acquisition protocol
- Repeat LDCT (follow-up scans)

Management of findings

- BTS 2015 pulmonary nodule guidelines
- NICE guidelines

Communication of results



Smoking cessation

- Entire population of current smokers
- Participants should be offered a smoking cessation intervention
- Different approaches
- Co-location of TLHC and smoking cessation services

Sandwell

- **Total eligible population** 62,234
- **Ever smoked** 33,606
- **Appointments booked** 16,803
- **Non attendees** 1,344
- **LHC's performed** 15,459
- **Positive LHC's** 8,657
- **Excluded from CT scan** 260
- **Initial CT scans performed** 8,397
- **Indeterminate - require second scan** 1,192
- **Negative CT Scan - 24 months follow-up** 6,936
- **Activity Impact of Cancers Identified**
- **Findings No.**
- **Patients needing clinical investigation (following first scan, three months follow-up and 12 months follow-up)** 495
- **Cancers found** 252
- **24 months follow-up** 6,936
- **Patient needing clinical investigation following 24 month scan** 166
- **Cancers found at 24 months follow-up** 109
- **Total cancers found** 361

Questions

