



England

Midlands Imaging Training Academy (MITA)

2023/2024

Imaging – hubs and spokes

Imaging Hubs:

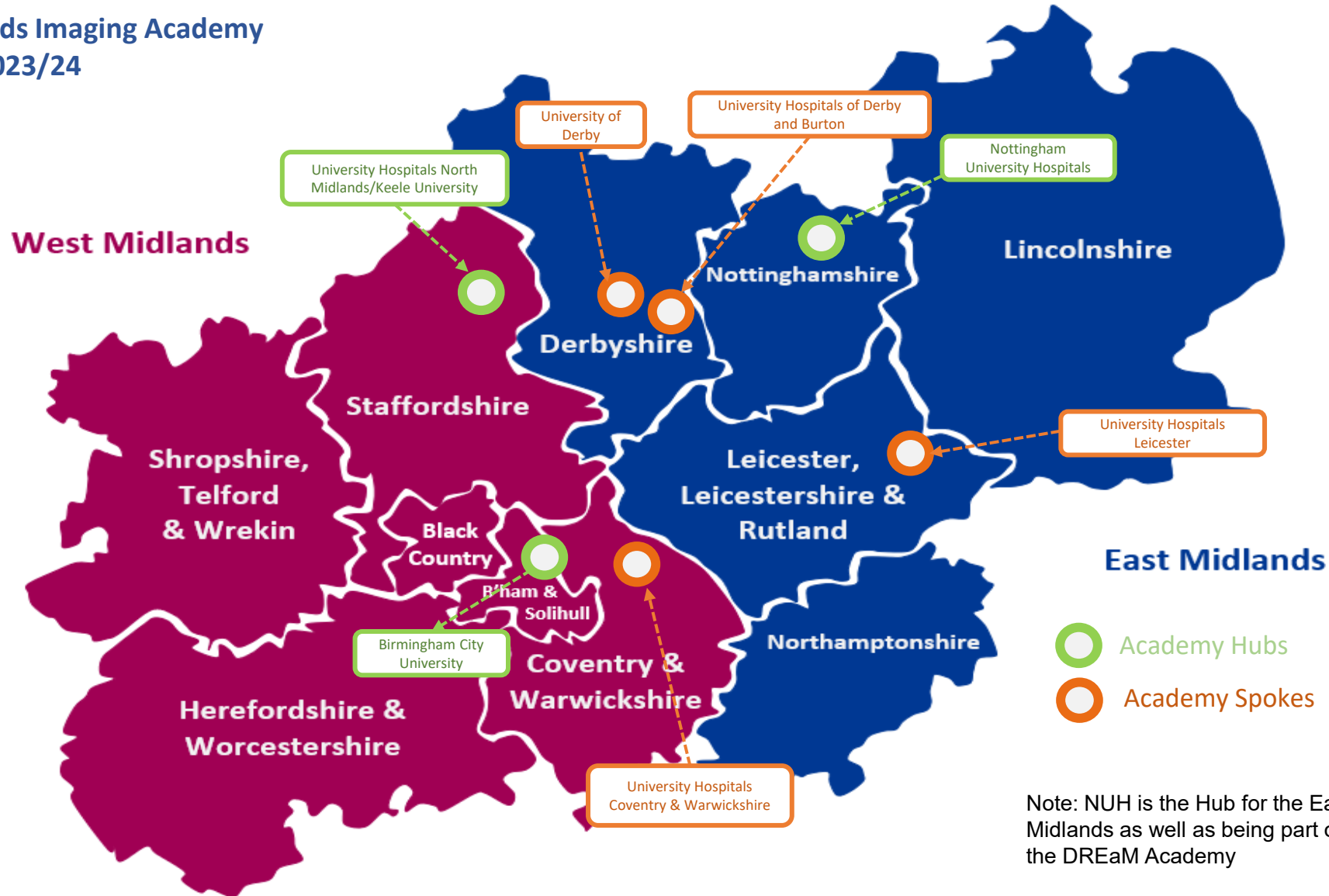
- University Hospitals North Midlands in partnership with Keele University, Birmingham City University, Nottingham University Hospitals (East Midlands multi site comprising the East Midlands Imaging Academy, DREaM radiology academy, linked into UHDB and UHL)

Imaging Spokes:

- University of Derby, University Hospitals Coventry and Warwickshire (UHDB, UHL as part of the linked East Midlands Imaging Academy and DREaM radiology academy)



Midlands Imaging Academy sites 2023/24



Note: NUH is the Hub for the East Midlands as well as being part of the DREaM Academy

Midlands Imaging Academy Priorities (Ambitious multi-professional model in line with Richards Review)



Enable immersive training

Supporting the rapid development of skills to expedite learning trajectory



Flexible and high quality training environments

For clinical radiology, diagnostic radiography, sonography, and imaging support staff



Increase imaging capacity

Using best practice across the region



Training Location at Community Diagnostic Centres

Training location in at least 1 CDC



Provision of multi-professional imaging training

Enabling large economies of scale and efficient high-quality training



Increase the number of learners

Thereby increase the numbers of imaging staff able to enter the workforce



Teaching faculties

To make best use of available faculties using co-ordinated plans

The Aim & Purpose of Imaging Academies

Imaging Training Academies

Aim

Training academies provide multi-professional environments where training and education of the future workforce is the primary focus, maximising the expertise of experienced educators and supervisors across a broad patch

Purpose

- Increase **training capacity** across a region
- Provide **multi-professional** training across a team
- Provide **flexible and high-quality training environments** for clinical radiology, diagnostic radiography & sonography, & support staff
- Enable **immersive training** in priority areas to support the rapid development of skills to support learning trajectory
- Make **best use** of available **teaching** faculty
- Ultimately the aim is to **increase the numbers of learners** and increase the numbers of imaging staff able to enter the workforce

Key Performance Indicators: Imaging

Key Performance Indicators

- Maximise capacity to support increases in Clinical Radiology training
 - education numbers
- Multi-professional engagement
 - Co-professional training
- Increase clinical placement capacity
 - support education across a wider range of stakeholders in clinical imaging
- Optimise use of estate and education resources
 - Expansion of venues and online capacity
- Ensure return on investment
- Align activity and investment with local, regional and national workforce development priorities (ICS)
- Optimise education in the hidden curriculum

22/23 Achievements

Completed 2022	Additional successes Q2/3 2023
County Imaging Simulation suite (Radiology, Medicine.....)	Online booking portal and networking BCU/UHCW/UHNM/UoD
BCU and Rugby/UHCW simulation facilities	Live streaming linked classrooms educational network
East SHIFT USS immersion training model	Expansion of USS training posts through course funding and PPEs
Cannulation courses Keele and NUH	Online CXR and AXR training
Supported 20% expansion of ST1 and ST2 trainees in East and West Midlands	Diagnostic (x1) and IR(x1) teaching fellow
Invested in c. £150K of radiography simulation funding	Prospectus for radiology service managers
Module A CT colonography Accredited procedural skill	Module B co-professional accredited CTC reporting
CIMAR Installation	CIMAR full library – 15,000 cases
BAU - 750k Trainer/IT/Admin support across the Midlands	BAU - £750k Trainer/IT/Admin support across the Midlands



Enable immersive training

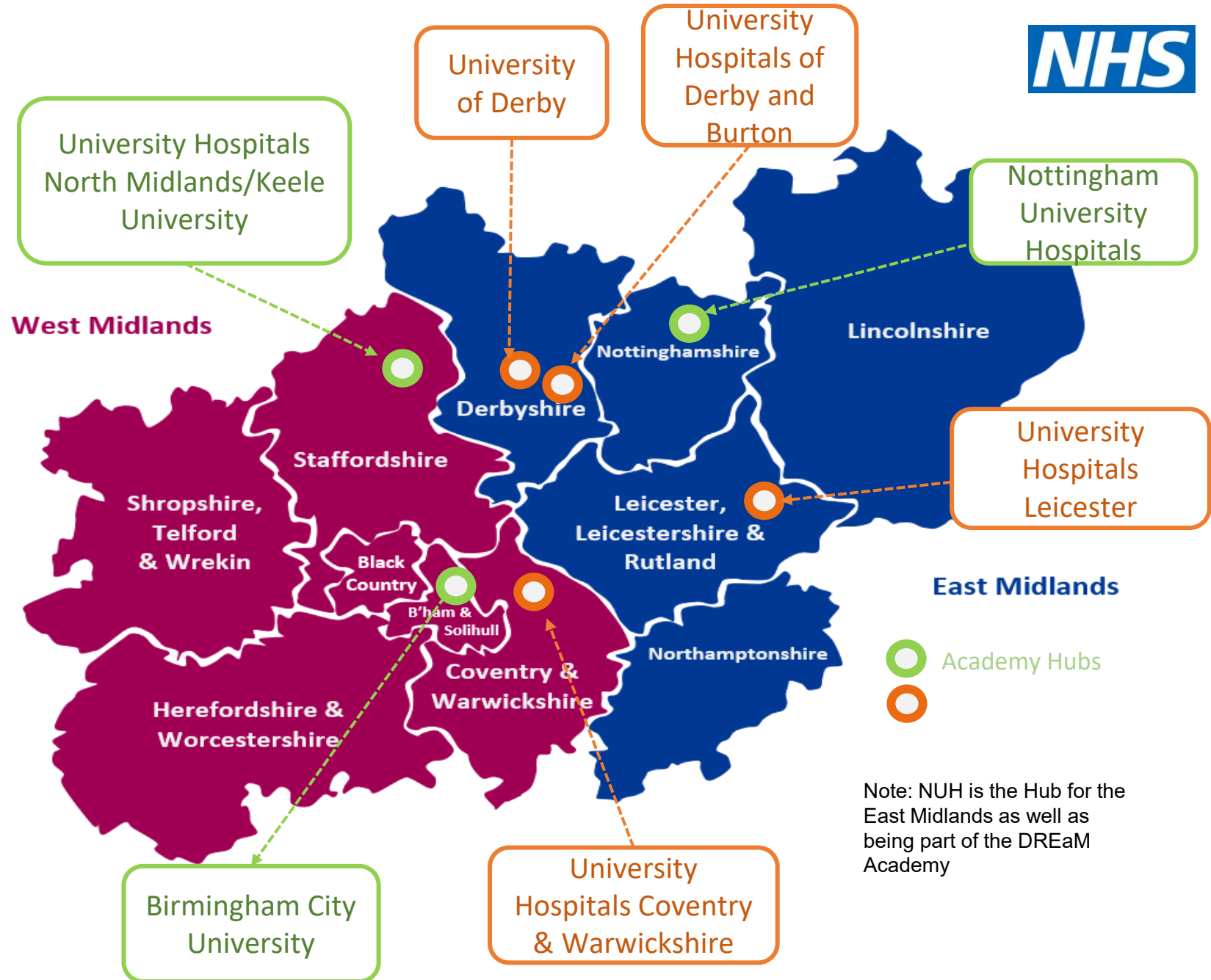
Supporting the rapid development of skills to expedite learning trajectory

2022
BCU and Rugby/UHCW simulation Facilities

2022 Q2/3
Sonography Immersion Training

2023 Q2
Online booking portal
BCU/UHCW/UHNM/UoD

2023 Q4
Midlands Imaging Academy
County Post Grad facility



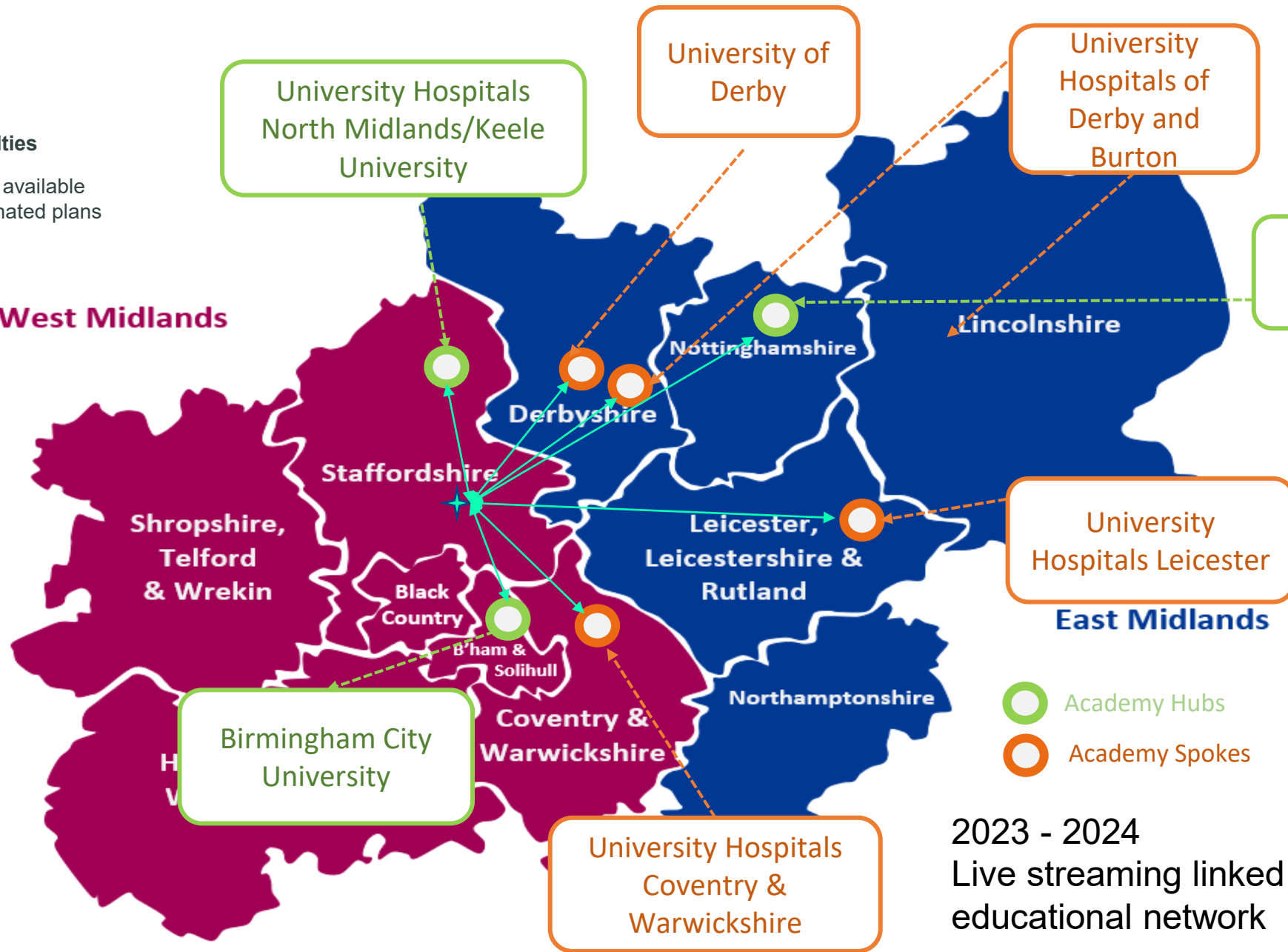


Teaching faculties

To make best use of available faculties using co-ordinated plans



West Midlands



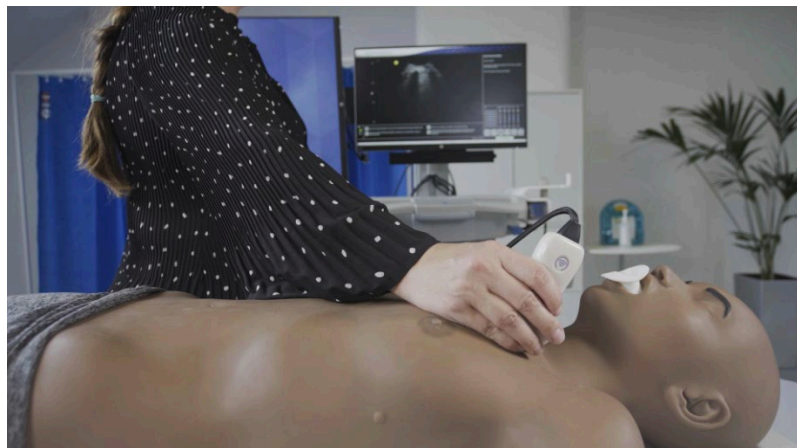
- Academy Hubs
- Academy Spokes

2023 - 2024
Live streaming linked classrooms educational network



Flexible and high quality training environments

For clinical radiology, diagnostic radiography, sonography, and imaging support staff



Medicine, A&E, ITU



Flexible and high quality training environments

For clinical radiology, diagnostic radiography, sonography, and imaging support staff



Peripheral and Neuro vascular (Cardiology)

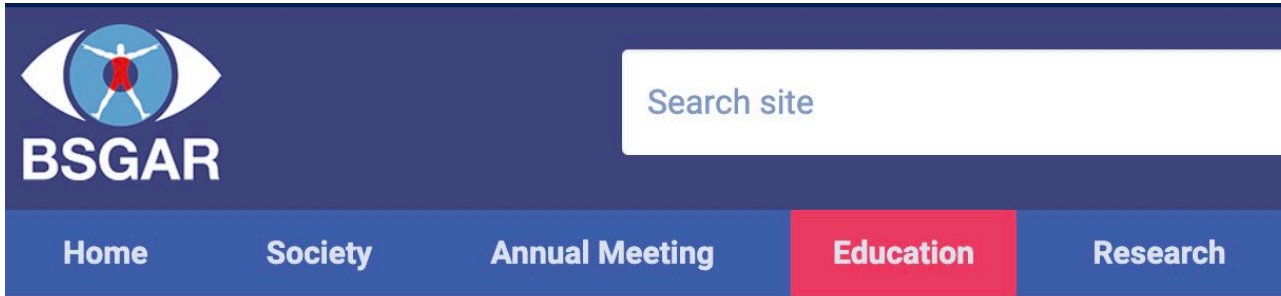


Stereotactic biopsy (therapeutic)

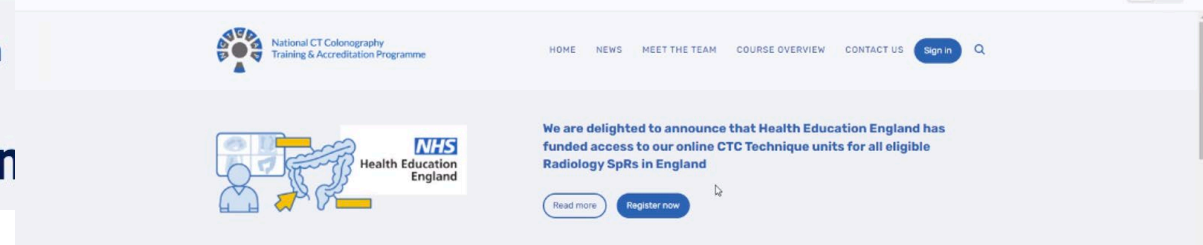


Provision of multi-professional imaging training

Enabling large economies of scale and efficient high-quality training



BSGAR National entry level GI Radiology ST1 & 2 and GI APRs



BSGAR Constitutional change – Radiographers full members

NHSE (formerly HEE) funded access to all Radiology SPRs – Module A
National funding for 7 regions x 30 Radiographers – A&B





Increase the number of learners

Thereby increase the numbers of imaging staff able to enter the workforce

In 22/23 we:

Supported 20% expansion of ST1 and ST2 trainees in East and West Midlands

- Sustainability, Capacity

Recruited a Diagnostic (x1) and IR(x1) teaching fellow – County post grad simulation facilities

- Co-professional learning

Expanded USS training posts through course funding and 52 Practice placement educators

- USS
- Plain film
- (Therapeutic radiography)

Piloted a successful East SHIFT USS immersion training model

- 2022 & 2023



Teaching faculties

To make best use of available faculties using co-ordinated plans



UNIVERSITY OF
LINCOLN

Nottingham University Hospitals 
NHS Trust



University Hospitals of North Midlands
NHS Trust



Keele 
UNIVERSITY



University Hospitals
of Leicester
NHS Trust



University Hospitals
Birmingham
NHS Foundation Trust

Midlands Imaging Academy Priorities (Ambitious multi-professional model in line with Richards Review)



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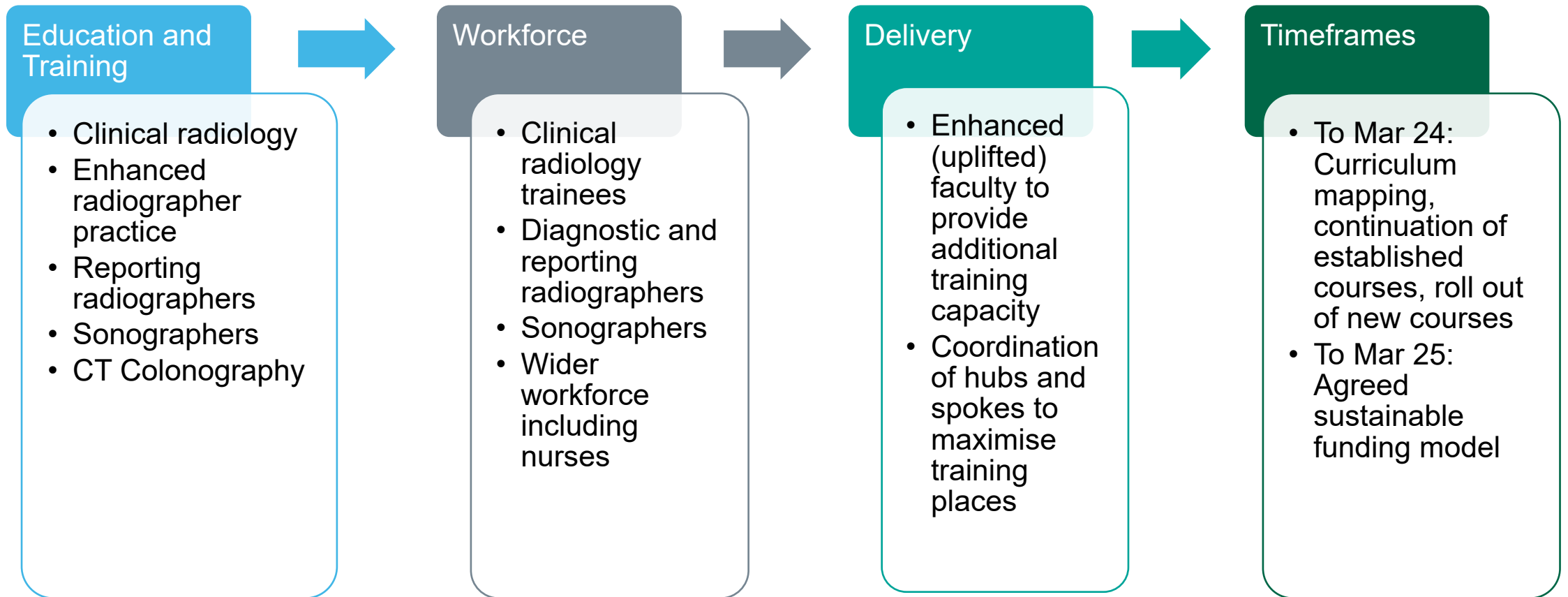
23/24 Focus

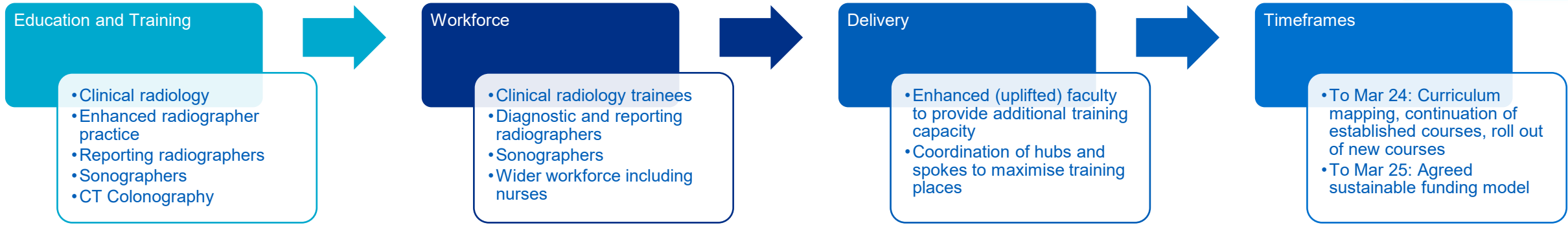
Item	
Continue to support learning and expansion by investing in faculty	
Invest in further sonography training	
Support medical physics by providing lectures, training supervision and a clinical technologist	
Increase STP medical physics Practice Educators, courses and elective funding	
Provide FRCR Medical physics Regional networked lectures and revision	
Invest in radiology nurse training (educators, Vascular IR module, Non vascular IR, General Radiology module, Nuclear Medicine module)	
Roll out SHIFT USS programme to the West Midlands	
Deliver radiography apprenticeships and reporting radiography through the academy	

Imaging timeline – planned activity 23-24

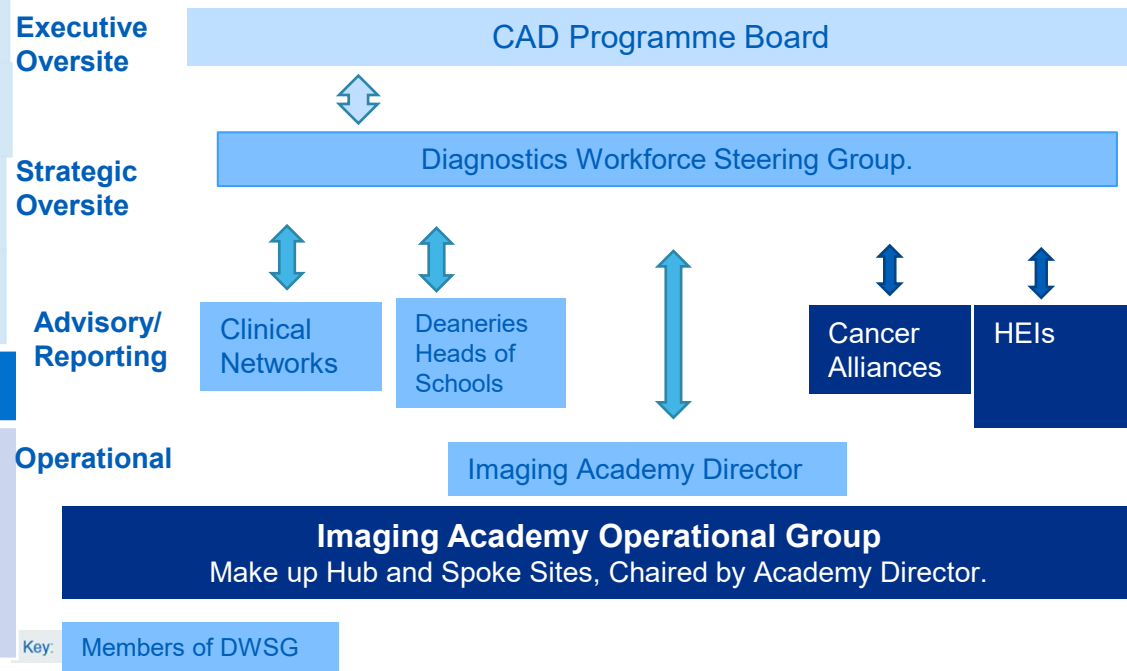
Activity		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
In academy	CT Colonography	Fully booked until 2024, applying for funding for further places												
	Radiography	24/7 training												
	Sonography								Numerous courses East and West, rolling SHIFT to the West					
	Radiology	WMSoR and DREaM						WMSoR and DREaM (expansion of 20%), online BSGAR lectures						
	AXR & CXR						Sprs, established Radiographers, recently qualified Radiographers – min 70 but infinite capacity as online							
	Radiology Nurses								Educators and modules					
Coming into the academy	Radiography Apprenticeships	Taking place with NHSE admin						Admin responsibility moves to the Academy						
	Reporting radiographers	Taking place with NHSE admin						Admin responsibility moves to the Academy						
	Medical Physics	Enhanced STP training capacity												

Midlands Imaging Academy Operating Model





Governance



Role	Area	WTE	Role
Academy Lead	Pan Midlands	4 PA	Coordinate and deliver the design and development of the Academy, working with stakeholders to facilitate the required planning and implementation of the Training Academy model.
Senior Project Manager	Pan Midlands	1	Development and implementation of Academy, with particular emphasis on appropriate governance, reporting and other mechanisms to ensure the delivery of the Academy's aims and training model met (inc. KPIs, maturity framework).

Roles and responsibilities

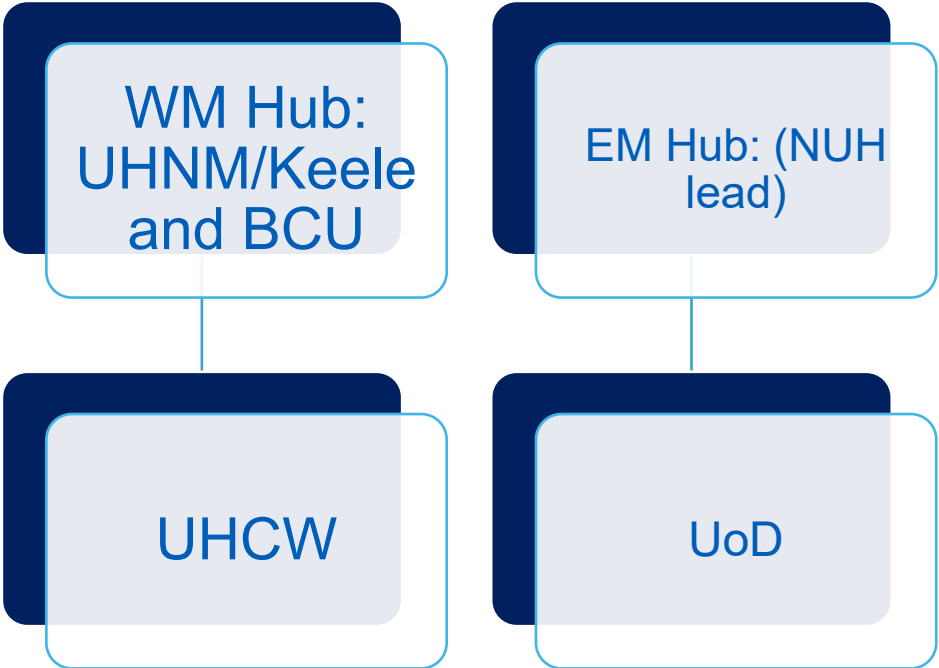
Academy Director: Ingrid Britton

Lead on development of the Imaging Training Academy, provide regional leadership to deliver high quality, cross specialty, and multi-professional imaging training. Development and implementation of Academy, with particular emphasis on appropriate governance, reporting and other mechanisms to ensure the delivery of the Academy's aims and training model met (inc. KPIs, maturity framework).

Developing and agreeing future provision of courses/training, including annual training needs analysis.

HEE PM, Zena Wynn-Jones,
zena.wynn-jones@nhs.net

Development and implementation of Academy, with particular emphasis on appropriate governance, reporting and other mechanisms to ensure the delivery of the Academy's aims and training model met (inc. KPIs, maturity framework).



Hubs may not necessarily delivery training services directly on their premises but are responsible for achieving the full curriculum offer. Hub manage relationships with other Trusts and Providers (including designated Spokes) to achieve a co-ordinated multi-disciplinary offer accessible to learners across the Midlands geography.

Spoke sites are required to augment the hub provision to ensure good cover across the whole of the Midlands. The spokes will not be required to provide all of the facilities identified as a requirement of the hub but may provide some training provision. For example an organisation may be able to provide some training lists and/or courses to achieve the priorities

22/23 funding – what does it provide?

Equipment
Training
Education
Training and education staff
Administration staff
IT

Note: HEE will aim for equity across the region

Trainee salary
Travel expenses
Relocation expenses

Note: there are funding streams either through trusts, the Tariff (via trusts) or additional HEE funding streams held by PDME. The Academy funding is not to be used for this type of expense

Contact details:

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