

Scottish Clinical Imaging Network

Annual Report 2020/21

Network Imaging Managers: Mrs Anne-Marie Ross and Dr Jonathan McConnell
Programme Manager: Mrs Camilla Young
Programme Support Officer: Ms Veronica Mesquita/Mr Luke Rush

Background

Managed Diagnostic Networks are defined as co-ordinated groups of health professionals that support diagnostic services to continuously improve service delivery in order to ensure equitable provision of high quality, clinically effective services. Diagnostics, whether delivered in primary, community or secondary care, have an important role to play in achieving NHS Scotland quality ambitions by contributing to early, accurate and cost effective diagnosis, monitoring and self-management.

The role of the Scottish Clinical Imaging Network is to improve imaging services by developing and delivering a workplan, which will:

- Steer modernisation including service change and redesign
- Improve quality
- Ensure provision of an effective imaging service
- Anticipate and respond to user needs and future requirements and

Current position

In a year of unprecedented challenges for NHS Scotland due to the COVID-19 crisis, SCIN has still delivered the majority of targets in the workplan and has mobilised as a community to support the pandemic response. The network continues to deliver a workplan geared to the modernisation and sustainability of imaging services. SCIN has worked alongside major national initiatives to achieve this throughout 2020/21. Detailed information can be found in the attached workplan.

SCIN came together as a community during a challenging time and demonstrated its effectiveness as a network in relation to providing rapid communication and decision making in a number of key areas and information sharing across Boards during the COVID crisis. This included working with the Scottish Radiology Transformation Programme to launch a web repository of international materials to support clinicians working with Covid-19 patients. The SCIN website was utilised to provide a single point of access to a wide variety of imaging documents, guidelines and resources related to COVID for the community. The SCIN distribution list was also utilised to support the Scottish Government's survey for healthcare scientists to share about their experiences working during COVID

The network welcomed Anne-Marie Ross and Jonathan McConnell as Imaging Managers in June and August 2020 respectively. Some aspects of the workplan were on hold until these appointments were made, but work is now progressing at pace. Since they came in to post strong links have been forged with the Scottish Radiology Transformation Programme (SRTP) and Picture Archiving and Communication System (PACS) Clinical Advisory Group workstreams to ensure close collaboration on the development of imaging services across Scotland.

Highlights

Developing Workforce Sustainability

Assistant Practitioner. SCIN is engaging with NHS Education for Scotland (NES) and the Society and College of Radiographers (SCoR), to support development of the assistant practitioner (AP) in Radiology departments, which would be a significant step forward in developing a sustainable workforce model for Scotland.

There are four levels of clinical practice: consultant practitioner, advanced practitioner, practitioner and assistant practitioner, together with a general support workforce. The introduction of assistant practitioners should be as an adjunct to the development of advanced and consultant roles such that a clear career progression strategy for all staff is implemented in order to meet service demand. Support staff who aim to become assistant practitioners will need additional education and training, both in order to undertake the broad range of general tasks associated with the role and the limited clinical imaging or radiotherapy tasks they may be required to undertake. This work will develop the outcomes from previous Service Needs Analysis and Learning Needs Analysis with a view to developing both the AP's scope of practice and appropriate work based learning packages that can both be implemented as required across Scotland.

A New Service for Scotland

Positron Emission Tomography-Computed Tomography (PET-CT) Prostate Specific Membrane Antigen (PSMA). PET-CT is a unique imaging tool which shows pathology by using the combination of PET to detect derangement in tissue metabolism and CT to show structural changes. Certain types of cancer, such as Prostate and Neuroendocrine Tumours (amongst others), require PET-CT scans using different radiopharmaceuticals that are not routinely available in Scotland at present. Currently patients requiring these particular types of PET-CT scans may be referred to other sites in England. In 2018, the Scottish Government announced funding to allow for the installation of 4 Gallium (⁶⁸Ga) generators (one at each PET-CT site) to allow the centres to provide ⁶⁸Ga-Prostate Specific Membrane Antigen (PSMA) PET-CT for prostate cancer and ⁶⁸Ga-DOTA-Octreotide PET-CT for Neuroendocrine Tumours.

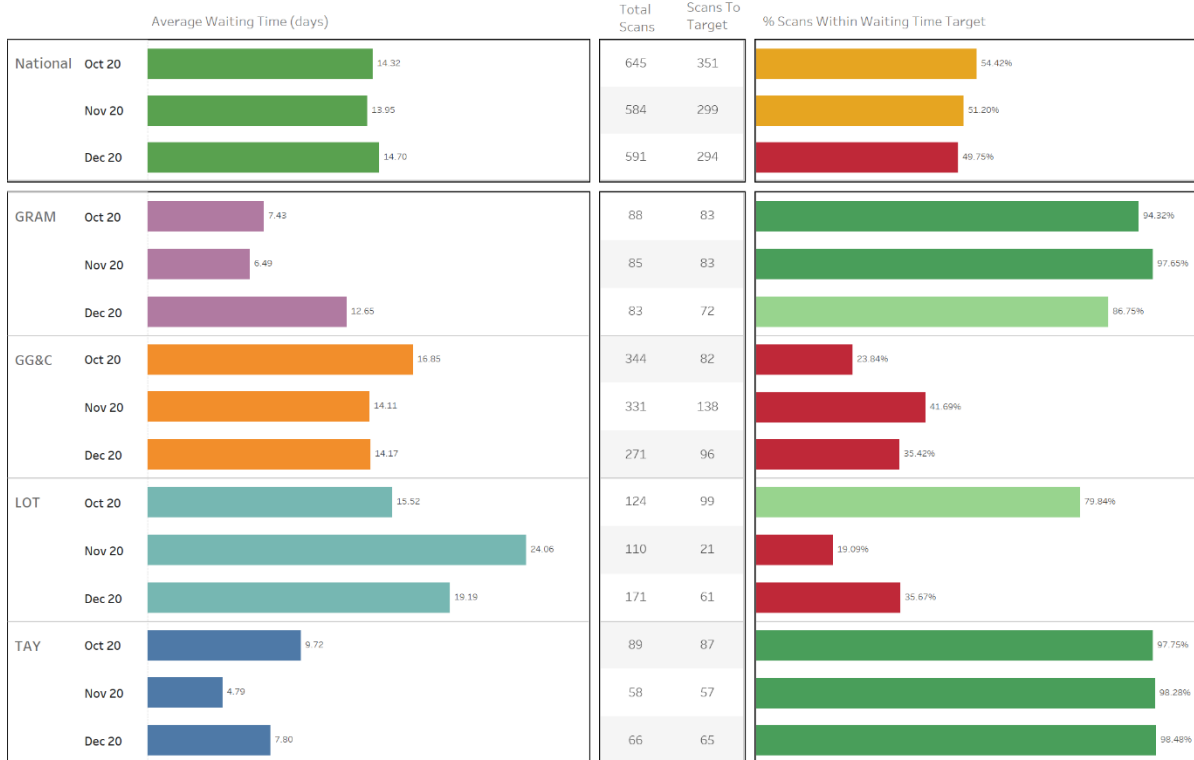
Work to provide these services to the Scottish population is well advanced, although there have been some delays to installation due to the COVID pandemic. Equipment is in place in Edinburgh and Dundee and it is anticipated they will be granted a licence to administer PSMA by the end of May 2021. Equipment is in place in Aberdeen and it is anticipated that the service will be going live in May/June 2021, the service in Glasgow will be up and running in the second half of 2021. It is also anticipated that until all sites are fully operational patients will have access to services at one of the other sites where appropriate. The network plays a key role in tracking progress towards delivery of the service and also to monitor capacity and demand once the service is in place.

Service Improvement

Waiting Times. This year marked further successful collaboration between SCIN's Network members and the Information Management Service (IMS) in relation to quality and performance benchmarking. Key Performance Indicators for PET-CT have been agreed and data is collected on a monthly basis and published quarterly on the SCIN website <https://www.scin.scot.nhs.uk/scin-work/scin-pet-ct/scin-pet-ct-waiting-reporting-times/>. This data is reviewed at the PET-CT Working Group meetings where variation in quality can now be readily identified. The data is also shared with the Scottish Governments Cancer Recovery Board to help inform their monitoring and direction of the remobilisation of cancer services.

Average Waiting Times & Monthly Scans Meeting 14 Day Target from Request to Scan (National and by Pet-CT Centre)

Select date (reports default to end of month automatically): 31/12/2020



Only 'standard' scans for NHS patients are included i.e. planned and research scans are not included as they may be booked several months in advance. Lothian waiting times are inflated because they currently include 'Planned' scans.

Quality and Data group. In early 2021 SCIN re-established its Quality and Data Subgroup. The group had previously stopped meeting as their work to develop an information platform was transferred to be progressed through SRTP and the development of a National Radiology Information and Intelligence Platform (NRIIP). The

re-convened group will now look at how the NRIIP data can be used to drive improvement.

This group has an ambitious workplan focusing on:

- Reviewing how radiology should gather and share data and make recommendations for future data collection
- Exploring the need to benchmark performance against standards elsewhere in the UK
- Linking with the PET CT working group in relation to data collection
- Reviewing the networks Data and Measurement plan, using Quality and Performance Benchmarking data to make local improvements
- Considering data requirements from the SCIN groups
- Linking with the Demand Optimisation Programme around data collection
- Hosting an annual data workshop with the wider imaging community

Measuring Quality. In 2019 SCIN developed and launched a quality measurement tool known as the Scottish Imaging Self-Assessment Tool (SiSAT). This aims to provide a Quality Scorecard using indicators assessing 4 key areas within Radiology, forming a record that can be used to evidence service quality.

12 months from the introduction of this tool it was decided that an audit of use would be useful to help inform future developments.

Although there was a limited response to the questionnaire that was distributed (see Appendix 1), the positive comments and ideas for development are encouraging and could be progressed before a re-evaluation of SiSAT is performed. During 2021 SCIN will establish a short life working group to consider how to develop the SiSAT tool, linking it to the recommendations from the Quality Standards for Imaging.

Quality Standards in Imaging. In November 2020 SCIN was asked to contribute to an exciting piece for work looking at updating the Quality Standards for Imaging. The Quality Review Service has been appointed by the Royal College of Radiologists (RCR) and The Society of Radiographers (SCoR) to lead the writing of the revised Quality Standards for Imaging, framing them where possible as outcomes based standards. This work is being led by the Quality Review Service and involves representation from across all 4 nations. It is anticipated that the new standards will be published in Autumn 2021 and SCIN will then look at how these can be used within Scotland, and will help inform the updating of the SiSAT.

PET-CT guidelines update. It is important that all clinical services regularly review any guidelines or clinical indications that they use to provide their service. During 2020 the PET-CT working group, in collaboration with national cancer networks, updated 8 clinical indications for the use of PET-CT. This means we now have refreshed guidelines in use across NHS Scotland. New guidelines were also developed for the use of ⁶⁸Ga-Prostate Specific Membrane Antigen (PSMA) PET-CT for prostate cancer and ⁶⁸Ga-DOTA-Octreotide PET-CT for Neuroendocrine Tumours in advance of the services being established across Scotland. These have been published on the SCIN website <https://www.scin.scot.nhs.uk/scin-work/scin-pet-ct/pet-ct-guidelines/>. It is anticipated that

the remaining clinical indications will be updated in 2021.

MR Prostate service audit. SCIN was asked by the Imaging Executive Board to carry out a mapping exercise to benchmark delivery of MR Prostate services across Scotland to understand the impact, if any, on radiology departments following the introduction of NICE guidelines. (NG131 Prostate cancer: diagnosis and management from May 2019). The audit demonstrated a large increase in demand for MRI Prostate scans, with an average increase of scans of 252.9% from 2016-2019.

Boards commented that current service approaches would not allow them to accommodate that level of increasing demand. A range of measures have been attempted including additional lists and outsourcing. Many challenges were highlighted including lack of scanner capacity, lack of radiologist cover for contrast and antispasmodic injections and also specialist radiologists for reporting of images. Furthermore a lack of MRI trained radiographers to perform image acquisition, accommodating the increased time for MRI prostate protocols and overall lack of resources for extended working day or weekend, compound the ability to meet demand. The information gathered through the survey suggests that more work may be needed to fully assess the impact on MRI services across Scotland, this will be progressed through the network if required.

Looking forward

The role of the Scottish Imaging Network (SCIN) is to improve imaging services by steering modernisation, including service change and redesign, improve quality, ensure provision of an effective imaging service that anticipates and responds to user needs, future requirements and national guidelines.

SCIN is looking forward to an exciting year ahead supporting the work within the Scottish Radiology Transformation Programme in developing a Target Operating Model. Furthermore SCIN will be closely involved in the subsequent Road Map that will generate projects that will have an important role for the future of radiology in Scotland.

The introduction of a PET-CT PSMA service in Scotland will be a huge benefit to patients, and capacity and demand will be closely monitored within the PET-CT working group.

SCIN will continue to engage with NES, College of Radiologists, Society and College of Radiographers, Scottish Radiology Transformation Programme (SRTP) and the Scottish Government to develop a sustainable Imaging workforce.

Although the planned education events have not been able to be held due to the impacts of the pandemic, future events are planned and it is envisaged they will align with SRTP developments.

Finance

Whilst planned meeting costs have not been incurred, SCIN plans to utilise budget to raise awareness of the network amongst its stakeholder communities.

APPENDIX 1

SiSAT Survey

Health Board:

Site:

Completed by:

1. Are you aware of the Scottish Imaging Self-Assessment Tool (SiSAT) as available to download and use via SCIN web page? <https://www.scin.scot.nhs.uk/quality-scorecard/>
2. Do you actively use SiSAT within your department
3. If yes, how often do you refer to/ update this?
4. If no, is it something consider using in the future
5. If you do use SiSAT do you share this information internally?
6. Do you share this information externally? E.g. with another hospital within the same board?
7. Would you be willing to share any of the information with SCIN?
 - a. None
 - b. Limited (please state, e.g. such as RAG status)
 - c. All

Looking at SiSAT on the website, for each of the 4 sections, please review:

8. CLINICAL PERFORMANCE:
 - a. Are there any questions you found particularly helpful?
 - b. Are there any questions you would remove?
9. ENVIRONMENT, WORKLOAD AND WORKFORCE?
 - a. Are there any questions you found particularly helpful?
 - b. Are there any questions you would remove?
10. PATIENT EXPERIENCE
 - a. Are there any questions you found particularly helpful?
 - b. Are there any questions you would remove?
11. SAFETY CHARACTERISTICS
 - a. Are there any questions you found particularly helpful?
 - b. Are there any questions you would remove?
12. Are there any other items you would like to see added to SiSAT?

Thank you for your help.

Please submit responses to NSS.SCIN@nhs.net

SCIN WORKPLAN – 2020-21

When defining network objectives please consider the Institute of Medicine's six dimensions of quality, which are central to NHS Scotland's approach to systems-based healthcare quality improvement:

1. **Person-centred:** providing care that is responsive to individual personal preferences, needs and values and assuring that patient values guide all clinical decisions;
2. **Safe:** avoiding injuries to patients from healthcare that is intended to help them;
3. **Effective:** providing services based on scientific knowledge;
4. **Efficient:** avoiding waste, including waste of equipment, supplies, ideas, and energy;
5. **Equitable:** providing care that does not vary in quality because of personal characteristics such as gender, ethnicity, geographic location or socio-economic status; and
6. **Timely:** reducing waits and sometimes harmful delays for both those who receive care and those who give care.

Key

RAGB status	Description
RED (R)	The network is unlikely to achieve the objective by the agreed end date.
AMBER (A)	There is a risk that the network will not achieve the objective by the agreed end date but progress has been made.
GREEN (G)	The network is on track to achieve the objective by the agreed end date.
BLUE (B)	The network has been successful in achieving the network objective to plan.

Objective Number	Smart Objective	Planned start/end dates	Detailed Plan Available / Owner	Description of progress towards meeting objective as at	Anticipated Outcome	RAGB status
1. Effective Network Structure and Governance [linked to Quality Dimensions 3,4,5,6]						
2020-01	The network will organise 3 Steering Group meetings and sub-group meetings as required throughout 2020/21 to ensure effective delivery of the workplan.	01/04/2020-31/03/2021	SCIN Steering Group/subgroup membership	Due to the COVID pandemic SCIN have held 2 Steering Group meetings over the year.	Effective delivery of the SCIN network workplan to ensure continuation of progress.	B
2020-02	Recruit Lead Clinician and Imaging Manager for the network.	31/05/2020	Programme Manager	SCIN have recruited 2 Imaging Managers to support delivery of the workplan.	Effective leadership of the SCIN network.	B
2020-03	SCIN will engage with the new, emerging strategic governance structure for diagnostic services in Scotland.	01/04/2020-31/03/2021	Senior Programme Manager	Imaging Managers are part of new governance structures.	SCIN is able to contribute to and be guided by the strategic vision for diagnostic services in Scotland.	B
2. Service Development and Delivery [linked to Quality Dimensions 1,2,3,4,5,6]						
2020-04	Repeat audit of Direct Access to CT of Chest/Abdomen/Pelvis for Patients with Unidentified Suspected Malignancy.	01/04/2020-31/03/ 2021	Imaging Manager	On hold due to COVID pandemic, will be picked up in 2021/22.	Equity of access for direct referral to CT for Patients with Unidentified Suspected Malignancy.	R
2020-05	Carry out a mapping exercise to benchmark delivery of MR prostate services across Scotland.	01/04/2020-31/03/ 2021	Imaging Manager	Report was submitted to Imaging Executive Board in February 2021.	Equity of access for patients needing MR prostate scans.	B

Objective Number	Smart Objective	Planned start/end dates	Detailed Plan Available / Owner	Description of progress towards meeting objective as at	Anticipated Outcome	RAGB status
2020-06	Take forward the recommendations from SCIN's position paper outlining the service requirements to provide a safe MR service to those patients with IECD undergoing non cardiac MR examination.	01/04/2020-31/03/ 2021	SCIN Core Team/Programme Manager	Further discussion being had around where this work should be progressed.	Equity of access for non cardiac MR examination to those patients with IECD.	A
2020-07	Work with the National Planning Team to progress the actions from the CTCA mapping paper.	01/04/2020-31/03/ 2021	Programme Manager	National Planning are taking this forwards with input from SCIN.	Equity of access for CTCA.	B
2020-08	Provide clinical expertise to the National Planning Board activity on Interventional Radiology, including guidance on developing service standards and the provision of data.	01/04/2020-31/03/ 2021	Assistant Programme Manager/Clinical Reference Group	CRG have developed standard training protocols for PICC Lines and Hickman lines. SCIN is represented on the National Planning Group taking this work forward.	A safe, equitable service across NHS Scotland with robust cover in place for interventional radiology services.	B
2020-09	Share recommendations for dose optimisation.	01/04/2020-31/03/ 2021	SCIN Steering Group	On hold	Safe, consistent dose optimisation.	R
2020-10	Indications for PET CT will be reviewed in light of any clinical development in partnership with SHTG.	01/04/2020-31/03/2021	PET-CT Working Group	8 Clinical indicators have been reviewed and are now on the SCIN website.	Support service modernisation and development in key strategic areas. There is national oversight and continuous improvement in PET-CT, ensuring appropriate use and reduced variation.	B

Objective Number	Smart Objective	Planned start/end dates	Detailed Plan Available / Owner	Description of progress towards meeting objective as at	Anticipated Outcome	RAGB status
2020-11	Development of a Supply Strategy for PET CT across Scotland.	01/04/2020-31/03/2021	PET-CT Working Group	On hold, to be progressed in 2021/22.	Ensure there is a sustainable supply of isotopes for PET CT across Scotland.	R
2020-12	Progress PET CT Gallium workplan with the development of referral guidelines for PSMA scans.	01/04/2020-31/03/2021	PET-CT Working Group	Guidelines currently on the website as of Jan 2021.	There is national oversight of PET-CT PMSA scanning, ensuring appropriate use and reduced variation.	B
2020-13	SCIN will continue to support paediatric education through the Paediatric SIG.	01/04/2020-31/03/2021	SCIN Paediatric sub-group	Group has not met due to COVID crisis.	Issues in paediatric imaging are understood and integrated into SCIN operations with key improvements progressed.	A
2020-14	Support the National Planning team with the National Radiotherapy programme. Scope, design and analyse a survey to describe the 5 centres current ability to remotely access radiotherapy planning systems.	01/04/2020-31/03/2021	Programme Manager/Assistant Programme Manager	Survey has been completed and the work is with National Planning to take forward.	Report produced outlining service gaps.	B
3. Stakeholder Communication and Engagement <small>[linked to Quality Dimensions 1,3,4,5,6]</small>						
2020-15	Support the development of sustainable imaging services through coordinated working with the Scottish Radiology Transformation Programme by providing SCIN expertise and guidance on relevant topics	01/04/2020-31/03/2021	SCIN Core Team/Steering Group	Current coordinated practices in place between SCIN and SRTP. SCIN Imaging Manager sitting on the SRTP Advanced Practice and	An imaging service capable of national reporting with robust governance and QA processes in place to facilitate this.	B

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	whilst ensuring communication channels are maintained between SCIN and SRTP.			Radiographer Reporting sub-groups to provide expertise and guidance. The SCIN core team also continue to attend the SRTP Monthly Stakeholder Meetings to ensure communication between the two groups. SCIN Imaging Manager has been instrumental in workstreams such as Advanced Practice within radiography and reporting radiographers.		
2020-16	SCIN will issue regular newsletters.	01/04/2020-31/03/2021	Programme Manager	Ongoing	Regular updates will ensure the work of the network is disseminated widely.	B
2020-17	SCIN will use twitter to engage with the imaging community.	01/04/2020-31/03/2021	Programme Manager	Ongoing	The profile of the network will be raised within the community.	B
4. Education [linked to Quality Dimensions 1,2,3,4,5,6]						
2020-18	Deliver two education events.	01/04/2020-31/03/2021	SCIN Core Team/Steering Group	These are currently on hold due to the COVID pandemic, however virtual learning events	A workforce that is trained and skilled to deliver the service of the future, including an	R

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				are in planning and the SIG leads will be approached to provide support and focus to encourage a wide audience input. Aim is to extend the advanced practice focus begun in November 2019 with support from inputs via CHPO and SRTP so on-going developments are available to radiographers.	understanding of gaps in education and a clear way to address succession planning requirements.	
5. Audit and Continuous Quality Improvement <small>[linked to Quality Dimensions 1,2,3,4,5,6]</small>						
2020-19	There is a need to identify service requirement for Advanced Practice roles and to ensure that these roles meet the other pillars of Advanced Practice other than the clinical skill. SCIN will provide clinical expertise with regards to how these roles should be developed in NHS Scotland.	01/04/2020 – 31/03/2021	Imaging Manager/Society of Radiographers/ Scottish Radiology Transformation Programme	SCIN and the Society of Radiographers will scope what the current practice is for band 5 radiographers. How radiography skills base is built in CT/MR and how the boards succession plan for ultrasound. The CoR Education and Career Framework is under development and invites have gone out for participants to	SCIN and the Society of Radiographers will be able to advise the Scottish Government of what needs to be implemented to ensure radiographers are sufficiently trained to meet the future demands of health care needs.	B

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				register via SIGs and Maria Murray.		
2020-20	Review and update SiSAT.	01/04/2020-31/03/2021	Imaging Manager	Report was submitted to IEB in February 2021. Recommendations will be taken forward in 2021/22.	Imaging departments are equipped to understand the quality of their service and share plans and improvement stories.	B
2020-21	Agree targets for key performance indicators for PET CT.	01/04/2020-31/03/2021	PET CT working group	KPIs have been agreed and data is published on the SCIN website.	Imaging departments are equipped to understand the quality of their service and share plans and improvement stories.	B
2020-22	Develop QI Programme for PET-CT through regular data collection and reporting.	01/04/2020-31/03/2021	PET CT Data Group	PET CT waiting times data is now published on the SCIN website.	Imaging departments are equipped to understand the quality of their service and share plans and improvement stories.	B
2020-23	Map key performance indicators for imaging across Scotland and look to set National KPIs.	01/04/2020-31/03/2021	Imaging Manager	On hold due to development of 4 Nations Quality Standards. To be progressed in 2021/22.	Imaging departments are equipped to understand the quality of their service and share plans and improvement stories.	A
2020-24	Contribute to workforce planning, development and education to equip the workforce of the future.	01/04/2020-31/03/2021	Interventional radiology Clinical Reference Group/ SCIN Steering Group/ PET-CT Working Group	Actively engaged in workforce planning discussions.	A workforce that is trained and skilled to deliver the service of the future, including an understanding of gaps in education and a clear way to address succession planning requirement.	B

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2020-25	SCIN is engaging with the NHS Education for Scotland, College of Radiologists, Society and College of Radiographers, HEIs Scottish Radiology Transformation Programme (SRTP) and the Scottish Government to develop a sustainable Imaging workforce.	01/04/ 2020-31/03/2021		Actively engaged in workforce planning discussions.	This work informs the Scottish Government of vacancies, likely impact of retrials and succession planning. Constraints to education such as funding, training time and backfill are also on the agenda for continued discussion.	B
2020-26	Develop JD and Framework for Breast Imaging. Continue to work with Scottish access collaborative in reviewing and updating Breast Imaging Framework to reflect service developments.	30/04/2020-31/03/2021	Imaging Manager	Work has recommenced with the Scottish Access Collaborative.	A workforce that is trained and skilled to deliver the service of the future.	B
6. Value [linked to Quality Dimensions 1,2,3,4,5,6]						
2020-27	SCIN will undertake an assessment of the value it has added through benefits realisation work to measure the impact of past SCIN workstreams.	01/04/2020-31/03/2021	SCIN Core Team	Ongoing	An awareness of the extent to which SCIN has influenced the medical imaging agenda nationally.	B

SCIN WORKPLAN – 2021-22

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Objective Number	Smart Objective	Planned start/end dates	Detailed Plan Available / Owner	Description of progress towards meeting objective as at	Anticipated Outcome	RAGB status
1. Effective Network Structure and Governance [linked to Quality Dimensions 3,4,5,6]						
2021-01	SCIN will engage with the new, emerging strategic governance structure for diagnostic services in Scotland, and will be appropriately structured and resourced to ensure delivery of an effective workplan to deliver modernisation of imaging services.	01/04/2021-31/03/2022	Steering Group and subgroup membership		SCIN is able to contribute to and be guided by the strategic vision for diagnostic services in Scotland, with the effective delivery of the SCIN network workplan to ensure continuation of progress.	G
2. Service Development and Delivery [linked to Quality Dimensions 1,2,3,4,5,6]						
2021-02	SCIN will promote equity of access to Direct Access to CT of Chest/Abdomen/Pelvis for Patients with Unidentified Suspected Malignancy through annual audit and monitoring.	01/10/2021-31/03/2022	Imaging Manager		Equity of access for direct referral to CT for Patients with Unidentified Suspected Malignancy.	G
2021-03	SCIN will promote equity of access to MR services for patients with IECDs by taking forward the recommendations from the position paper outlining the service requirements to provide a safe MR service to those patients	01/08/2021-31/03/2022	SCIN Core Team/ Programme Manager		Equity of access for non cardiac MR examination to those patients with IECD.	G

Objective Number	Smart Objective	Planned start/end dates	Detailed Plan Available / Owner	Description of progress towards meeting objective as at	Anticipated Outcome	RAGB status
	with IECD undergoing non cardiac MR examination.					
2021-04	SCIN will promote equity of access to Interventional Radiology by working with National Planning in the development of service standards and the provision of data.	01/04/2021-31/03/2022	Clinical Reference Group		A safe, equitable service across NHS Scotland with robust cover in place for interventional radiology services.	G
2021-05	SCIN will work with colleagues at Scottish Government to develop a Supply Strategy for PET CT across Scotland.	01/04/2021-31/03/2022	PET-CT Working Group		Ensure there is a sustainable supply of isotopes for PET CT across Scotland.	G
2021-06	SCIN will establish a National PSMA service by progressing the PET CT Gallium workplan, and monitoring progress towards delivery of this.	01/04/2021-31/03/2022	PET-CT Working Group		There is national oversight of PET-CT PMSA scanning, ensuring appropriate use and reduced variation.	G
3. Stakeholder Communication and Engagement <small>[linked to Quality Dimensions 1,3,4,5,6]</small>						
2021-07	SCIN will support the development of sustainable imaging services through coordinated working with the Scottish Radiology Transformation Programme by providing SCIN expertise and guidance on relevant topics whilst ensuring communication	01/04/2021-31/03/2022	SCIN Core Team/Steering Group		An imaging service capable of national reporting with robust governance and QA processes in place to facilitate this.	G

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	channels are maintained between SCIN and SRTP.					
2021-08	Continue to raise the awareness of SCIN and its work through:- <ul style="list-style-type: none"> Refreshed communications strategy Newsletters (minimum 2 per year) Informative and up to date website, including members area 	01/04/2021-31/03/2022	Programme Manager		Stakeholders are updated on the work of SCIN and have opportunity to provide input. SCIN's work is enriched from the input of a wider range of stakeholders.	G
4. Education [linked to Quality Dimensions 1,2,3,4,5,6]						
2021-09	SCIN will refresh their education and training strategy to help improve the knowledge and skills within the imaging community and its service users. This will include the delivery of 2 education events	01/04/2021-31/03/2022	Programme Manager/SCIN Core Team		A workforce that is trained and skilled to deliver the service of the future, including an understanding of gaps in education and a clear way to address succession planning requirements. This will improve and enhance skills and improve patient care.	G
5. Audit and Continuous Quality Improvement [linked to Quality Dimensions 1,2,3,4,5,6]						
2021-10	SCIN promote a culture of continuous quality improvement and will refresh their Quality	01/04/2021-31/03/2022	Programme Manager/		SCIN will take an active role in promoting a culture of continuous	G

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	Strategy and re-established the Quality and Data Subgroup. SCIN will continue to support the QI Programme for PET-CT through regular data collection and reporting.		Programme Support Officer		improvement in imaging, articulated through an annual workplan to demonstrate intended improvements year on year, quantified from the perspective of the service user.	
2021-11	SCIN will support local quality measurement by taking forward the recommendations from the revised Quality Standards for Imaging, framing them where possible as outcomes based standards linked to SiSAT.	01/05/2021-31/03/2022	Imaging Manager		Development of outcomes based standards with a staged approach. Allowing departments to display stages, collect and provide evidence of good quality service and to achieve accreditation on inspection.	G
2021-12	By engaging with the NHS Education for Scotland, College of Radiologists, Society and College of Radiographers, HEIs, SCIN is Scottish Radiology Transformation Programme (SRTP) and the Scottish Government, SCIN will contribute to workforce planning, development and education to equip the workforce of the future. SCIN will provide clinical expertise with regards to how Advancing Practice roles are developed to	01/04/2021-31/03/2022	SCIN Steering Group/SRTP		A workforce that is trained and skilled to deliver the service of the future, including an understanding of gaps in education and a clear way to address succession planning requirement.	G

Objective Number	Smart Objective	Planned start/end dates	Detailed Plan Available / Owner	Description of progress towards meeting objective as at	Anticipated Outcome	RAGB status
	ensure that these roles meet the 4 pillars of clinical practice.					
6. Value [linked to Quality Dimensions 1,2,3,4,5,6]						
2021-13	SCIN will undertake an assessment of the value it has added through benefits realisation work to measure the impact of past SCIN workstreams.	01/04/2021-31/03/2022	SCIN Core Team		An awareness of the extent to which SCIN has influenced the medical imaging agenda nationally.	G