

BNMS Annual Survey

Paul Hinton

BNMS Professional Standards Committee

Royal Surrey County Hospital

Introduction

- Previous Surveys
 - Methods, Data, Metrics
- Current Survey
 - Aims, Response
- Analysis
 - Equipment
 - Workforce
 - Workload
- Conclusions
- Future work

Why Survey?

- Numbers and types of studies
- Staffing levels
- Equipment status

Previous Surveys

Previous surveys in 1990, 2003 and 2007

Year	1990	2003	2007
Who	BNMS/IPEM	HPA/BNMS/IPEM	BNMS
Method	Postal survey	Email survey	Email survey
Response	160/296 (55%)	159/240 (66%)	165/216 (76%)
Metrics			
Estimated Total Studies (UK)	430,000	670,000	630,000
Gamma cameras	256	267	299
Gamma cameras per site	1.6	1.7	1.8
Average gamma camera age	6.1	7.3	
Studies per department			3527
Studies per 1000 population	7.6	11	



Survey Problems

- Large amounts of effort
- Response rate
- Different questioners and questions
- Different responders

Current Survey

Aims

- Reach all UK departments
- Web based
- Consistent data
- Collect data annually

Current Survey - Aims

Reach all departments

IOP Publishing | Society for Radiological Protection

Journal of Radiological Protection

J. Radiol. Prot. 36 (2016) 363–381

Adapting clinical gamma cameras for body monitoring in the event of a large-scale radiological incident

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A Nisbet^{1,2} and D A Bradley²

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Current Survey - Aims

Web based

The screenshot displays the BNMS website interface. At the top, there is a search bar and a 'Log Out' button. Below this is a dark navigation bar with links: Home, Events, Guidelines, Standards, Learning/Research, News, Work in NM, and Moly Supplies. The main content area is divided into three columns. The left column contains a sidebar with links: About Us, Get Involved, Members, Patients & Carers, Resources, and Upcoming Events. The middle column features the 'NMC Nuclear Medicine Communications Journal' section, which includes a description of the journal's content and a 'Read More...' link. The right column contains the 'BNMS Spring Meeting 2017' section, which includes a 'Select image to view the programme' link, a list of featured jobs, and a 'More info' link. The bottom of the page shows a 'Membership ID' field and a 'More info' link.

Current Survey Aims

Consistent data

Active Contact Information

Looking to manage your department listing? Click here.

Home

Submit Cancel

Specialty/Contact

Specialty: Radiopharmacy

Title: Mr

First Name: Paul

Surname: Hinton

Contact Telephone: 01483 406701

email: paul.hinton@rshs.net

Role/Descriptor: Clinical scientist

Head of Department: No

Site Information

Looking to manage your department listing? Click here.

Home

Edit Listing

Submit Cancel

Category: Directory [Change category](#)

Hospital: Royal Surrey County Hospital GU

Department Name: Department of Nuclear Medicine

Trust/IHP Name: Royal Surrey County Hospital NHS

Address: Egerton Road

Department Type: Nuclear Medicine - Stand Alone

County: Surrey

City: Guildford

Postcode: GU2 7XX

Telephone: 01483 406701

E-mail:

Website:

Workload data - 2014: [Choose file](#) No file chosen

Workload data - 2015: ☒ [RSCGildford2015noPET.xlsx](#) (20 views) [Choose file](#) No file chosen

Workload data - 2016: [Choose file](#) No file chosen



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Current Survey Aims

Consistent data

Staffing

Looking to manage your department listing? Click here.

Home

Submit Cancel

Workforce

Role Descriptor: Clinical practitioner - radiographer ▼

Grade: 8b ▼

WTE: 0.8

Vacant: No ▼

Post Created: 1/1/2000 

Post Removed: 

Equipment

Looking to manage your department listing? Click here.

Home

Submit Cancel

Equipment

Equipment Type: SPECT/CT ▼

Manufacturer: GE

Model: Infinia Hawkeye

Equipment Description:

Date Installed: 01-12-2005 

Date Decommissioned: 22-02-2014  

Current Survey Aims

Collect data annually

Once baseline data is on the website
annual updates become simple

◀ April 2018 ▶

Mo	Tu	We	Th	Fr	Sa	Su
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6



14:14:00

Friday

Edit equipment, staff and workforce
changes and upload latest workload data

Workload data -2014:	Choose file	No file chosen
Workload data - 2015:	☒ RSCHGuildford2015noPET.xlsx (20 views)	Choose file
Workload data - 2016:	Choose file	No file chosen

Current Survey

Response

BNMS database

444 sites

348 NM and PET sites

96 Radiopharmacy sites

BNMS active contacts

323 sites

245 NM and PET sites

78 Radiopharmacy sites

Response

323 sites

130/245 (53%) NM and PET sites

35/78 (45%) Radiopharmacy sites



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Analysis - Equipment

Equipment Data - 141 sites

Site_ID	Beta Counter	Gamma Counter	Gamma Probe	Non SPECT gamma camera	SPECT gamma camera	SPECT/CT	PET/CT	PET/MR	Radionuclide Calibrator	Thyroid Counter	Whole Body Counter
1322		2				1			1	1	
1325							1				
1330						2					
1331		1	1		1				2		
1444					1						
1342						1					
1346					1				1		
1348					1						
1349			2		1				1		
1351					1						
Total	2	35	52	21	111	120	37	2	121	1	2
Sites	2	27	27	21	79	77	28	2	43	1	2

252 gamma cameras at 177 sites (1.4 GC per site) ←

Analysis - Equipment

Average Equipment Age – 141 sites

Equipment Type	Number	Average Age (y)
Beta Counter	2	14.5
Gamma Counter	35	13.4
Gamma Probe	52	7.8
Non SPECT gamma camera	21	10.8
SPECT gamma camera	111	10.4
SPECT/CT	120	6.8
PET/CT	37	4.9
PET/MR	2	4.6
Radionuclide Calibrator	123	10.5
Thyroid Counter	1	20.9
Whole Body Counter	3	13.8



Analysis - Equipment

Radiopharmacy – 21 sites

Site_ID	Gamma Counter	HPLC	Incubator	Isolator	Laminar Flow Cabinet	Radiochromatogram Scanner	Radionuclide Calibrator
1361				1			1
1365				2			3
1384				2			1
1387		1	1	1	1	1	
1392				2			
1400	1			1			4
1364				2		1	4
1410		1		4		1	1
1416					1		1
1438	1			2	1		2
1441	1				1		1
1449				1			1
Total	9	2	1	31	12	3	35



Analysis - Workforce

Nuclear Medicine Staffing 141 sites

Site_ID	HCA / imaging assistant	Admin/ clerical	Clinical practitioner - radiographer	Clinical practitioner - technologist	Clinical scientist	Nurse	Physician	Radiologist	Grand Total
1012		2.2	2.8	7	4				16
1123	2.1	2.2	1.8	8	4	0.6			18.7
1309		1	4.76						5.76
1017	1			4	0.2			0.5	5.7
1020			4						4
1333			1.83	0.21					2.04
1341				2					2
1342	1		2.4	1				0.1	4.5
1346	1		2						3
1348			3.1						3.1
1349			1.7		0.3			0.8	2.8
1351			2	1	0.1			0.2	3.3
Totals	73.0	151.3	279.6	367.9	182.3	46.8	43.4	52.2	1196.5

Analysis - Workforce

Radiopharmacy – 19 sites

Site_ID	Admin/ clerical	Clinical practitioner radiographer	Clinical practitioner technologist	Clinical scientist	HCA / imaging assistant	Radio- chemist	Radio- pharmacist	Radio- pharmacy Technologist	Grand Total
1357							0.74	0.77	1.51
1362	0.4			1		1	1	5	8.4
1366			0.77	0.13					0.9
1367			0.74	0.13					0.87
1384				1				2	3
1392				0.3	1.25		0.05	1.7	3.3
1400			0.75	0.3					1.05
1424			0.9	0.3					1.2
1438			0.74	0.13					0.87
1441							0.9	1.58	2.48
1445							1		1
1449							0.5		0.5
Total	0.4	1.6	6.7	6.29	1.25	1	10.19	23.27	50.7

Analysis - Workforce

National Data - Electronic Staff Record

Suggested Area of Work Choices Covering Healthcare Science Specialisms:

Suggested Area of Work Choices Covering the Healthcare Science Specialisms	Life Sciences				Physiological Sciences			Physical Sciences & Biomedical Engineering	
	Blood Sciences	Infection Sciences	Cellular Sciences	Genetics	Cardiac, Vascular, Respiratory and Sleep Sciences	Neurosensory Sciences	Gastrointestinal and Urodynamic Sciences	Medical Physics	Clinical Engineering
	UFA	UFB	UFC	UFD	UFE	UFF	UFG	UFI	UFJ
	Blood Transfusion Clinical Biochemistry Haematology Histocompatibility and Immunogenetics Immunology Phlebotomy Point of Care Testing Blood Sciences Toxicology Pathology	Medical Microbiology Medical Virology Infection Sciences Pathology	Anatomical Pathology Cervical Cytology Cytopathology Electron Microscopy Histopathology Reproductive Science Tissue Banking Cellular Sciences Pathology	Clinical Genetics Pathology	Autonomic Science Cardiac Physiology Clinical Perfusion Critical Care Respiratory Physiology Sleep Physiology Vascular Science Cardiac, Vascular, Respiratory and Sleep Sciences	Audiological Science Neurophysiology Ophthalmic and Vision Science Neurosensory Sciences	Gastrointestinal Physiology Urodynamics Gastrointestinal and Urodynamic Sciences	Angiography Breast Screening Clinical Radiology CT Dental and Maxillofacial Radiology Diagnostic and Interventional Radiology Imaging Mammography Medical Illustration MRI Non-ionising Radiation Nuclear Medicine Radiation Safety Radiotherapy Physics Radiopharmacy Ultrasound Medical Physics	Clinical Measurement Medical Equipment Management Maxillofacial Prosthetics Medical Engineering Design Radiation Engineering Rehabilitation Engineering Renal Technology Clinical Engineering

U - Nursing & Midwifery p4 / P - Nurse Learner / S - S.T & T (AHPs) / S - S.T & T D2 / S - S.T & T D3 / S - S.T & T D4 / S - S.T & T D5 / U - Healthcare Science Professions / U - Healthcare Science / U - Healthcare Science



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Analysis - Workforce

National Data - Electronic Staff Record

Occupation Code Level	Job Level	Typical Entry Level Qualification	Example Job Titles
UA*	Consultant Healthcare Scientist	NHS Higher Specialist Scientific Training (HSST)	Consultant Clinical Scientist
U0*	Manager (See notes 1-3)	Scientific Qualification (+ management responsibility for a significant area of healthcare science)	Manager
U1*	Specialist Healthcare Scientist	Accredited Scientific Practice (AESP)	N/A
U2*	Healthcare Scientist	Masters degree + Certification of work based competence	Clinical Scientist
U3*	Specialist Healthcare Science Practitioner	Accredited Scientific Practice (ASSP), Masters modules or Masters Degree or equivalent	Advanced Practitioner Biomedical Scientist, Perfusionist
U4*	Healthcare Science Practitioner	Undergraduate degree + Certification of work based competence	Biomedical Scientist, Technician, Clinical Physiologist, Clinical Technologist
U5*	Healthcare Science Associate	Foundation Degree or equivalent	Assistant Practitioner, Cytoscreener, Technician / Technologist in Anatomical Pathology, Clinical Biochemistry, Haematology
U6*	Trainee Healthcare Scientist	Relevant undergraduate degree or equivalent	N/A
U7*	Trainee Healthcare Science Practitioner	A-levels or equivalent (entry to undergraduate)	N/A
U8*	Trainee Healthcare Science Associate	Sufficient to enter Foundation Degree	N/A
U9*	Healthcare Science Assistant	Various e.g. Apprenticeship	Assistant, Cardiographer, MLA, Phlebotomist

Analysis - Workforce

National Data - Electronic Staff Record - RSCH

SBU	Role	Occupation Code	Position Title	FTE
Medical Physics	Healthcare Scientist	U2H	Clinical Scientist (Nuclear Medicine)	1.00
Medical Physics	Specialist Healthcare Scientist	U1H	Clinical Scientist (Nuclear Medicine)	.80
Medical Physics	Consultant Healthcare Scientist	UAH	Nuclear Medicine Physicist	1.00
Medical Physics	Specialist Healthcare Scientist	U1H	Clinical Scientist (Nuclear Medicine)	1.00
Medical Physics	Clerical Worker	G2C	Administration Manager Band 4	1.00
Medical Physics	Specialist Healthcare Scientist	U1H	Clinical Scientist (Nuclear Medicine)	1.00
Medical Physics	Healthcare Scientist	U2H	Clinical Scientist (Nuclear Medicine)	1.00
Nuclear Medicine	Consultant	016	Consultant Nuclear Medicine	1.00
Nuclear Medicine	Radiographer - Diagnostic, Manager	S1F	Nuclear Medicine Patient Services Manager	.86
Nuclear Medicine	Radiographer - Therapeutic	S1F	Deputy Clinical Services Manager	1.00
Nuclear Medicine	Clerical Worker	G2C	Administrator	.27
Nuclear Medicine	Helper/Assistant	S9X	Imaging Department Assistant	1.00
Nuclear Medicine	Clerical Worker	G2D	Receptionist & Secretary Nuclear Medicine	.54
Nuclear Medicine	Radiographer - Therapeutic	S1F	Advanced Practitioner Band 7	1.00
Nuclear Medicine	Helper/Assistant	S5X	Assistant Practitioner	.80
Nuclear Medicine	Clerical Worker	G2C	Administration Manager Band 3	.60
Nuclear Medicine	Radiographer - Therapeutic	S1F	Advanced Practitioner Band 7	1.00
Nuclear Medicine	Clerical Worker	G2D	Receptionist & Secretary Nuclear Medicine	.47

Analysis - Workforce

National Data - Electronic Staff Record

NHS Hospital & Community Health Service (HCHS) monthly workforce statistics - Provisional Statistics:
Scientific, therapeutic & technical staff and Support to scientific, therapeutic & technical staff by Staff Groups, Area and Level - Full Time Equivalent
[Return to contents](#)

Source: Provisional NHS Hospital & Community Health Service (HCHS) monthly workforce statistics, NHS Digital

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NHS Digital

Sum of Total FTE	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16
Staff Group 1: Staff Group 2: Area: Level:	126,060	125,293	125,395	125,565	126,352	127,921	128,350	128,870	128,533	128,786	129,271	129,085
017_Scientific, therapeutic & technical staff	61,208	60,899	60,901	61,069	61,566	62,341	62,435	62,616	62,348	62,507	62,613	62,434
018 Allied health professions												
019_Healthcare scientists	23,223	23,174	23,199	23,221	23,239	23,378	23,393	23,448	23,419	23,444	23,541	23,551
023_Nuclear Medicine & Diagnostic Radiology	18	16	17	17	11	13	11	10	8	9	9	6
007_Consultant Clinical Scientist (Grade C)	7	7	7	7	3	4	6	5	5	6	6	3
008_Healthcare scientist manager	1	1	1	1	1	1	0	0	0	0	0	0
009_Clinical Scientist (Grade A & B)	2	2	3	3	1	3	2	1	0	0	0	0
012_MTO / Technician	8	6	6	6	6	5	4	4	3	3	3	3
020_Other scientific, therapeutic & technical staff	41,629	41,219	41,295	41,276	41,547	42,203	42,523	42,806	42,767	42,835	43,118	43,099
010_Multi-therapies	833	816	840	830	807	826	828	838	855	784	831	837
011_Clinical psychology	6,979	6,750	6,756	6,889	6,631	6,690	6,896	6,949	6,922	6,955	6,943	6,874
012_Psychotherapy	3,605	3,584	3,585	3,660	3,705	3,805	3,868	3,928	3,925	3,950	4,009	4,011
014_Pharmacy	14,591	14,511	14,497	14,541	14,832	15,073	15,057	15,117	15,066	15,111	15,201	15,173
016_Dental	3,084	3,076	3,101	3,100	3,107	3,126	3,147	3,166	3,161	3,173	3,245	3,244
016_Operating Theatres	7,321	7,281	7,270	7,220	7,229	7,351	7,419	7,385	7,332	7,333	7,295	7,351
019_Social Services	1,811	1,820	1,823	1,812	1,826	1,885	1,871	1,916	1,968	1,984	2,010	2,020
020_Other ST&T staff	3,406	3,381	3,421	3,424	3,411	3,446	3,437	3,508	3,536	3,546	3,583	3,589
001_Consultant Therapist / Scientist	9	10	10	8	8	8	9	10	9	9	8	8
002_Other ST&T Manager	80	80	83	91	92	97	100	105	105	101	100	103
003_Therapist	1,611	1,600	1,612	1,627	1,613	1,630	1,630	1,655	1,675	1,682	1,681	1,669
004_Scientist	139	135	138	133	138	139	130	134	141	148	154	155
005_Scientific Officer	44	44	42	44	45	43	41	39	40	39	38	41
006_Technician	1,223	1,224	1,239	1,223	1,224	1,234	1,235	1,262	1,266	1,266	1,296	1,304
007_Instructor / Teacher	257	249	255	255	249	251	250	255	255	251	257	267
008_Tutor	41	40	43	43	42	43	42	43	45	39	40	40
032_Support to ST&T staff	51,859	51,836	52,166	52,189	52,080	52,558	52,721	53,113	52,913	53,319	53,462	53,606
034_Support to healthcare scientists	14,360	14,376	14,453	14,568	14,460	14,579	14,673	14,850	14,765	14,841	14,977	14,993
023_Nuclear Medicine & Diagnostic Radiology	14	12	6	6	4	4	5	4	4	4	4	4
006_MLA / ATO / Assistant	8	5	0	0	0	0	0	0	0	0	0	0
007_Assistant Practitioner	3	3	3	3	3	3	4	3	3	3	3	3
008_Trainee / Student	3	3	3	3	1	1	1	1	1	1	1	1

Page 1 of 1 | Title sheet | Nurses and Midwives | Ambulance | ST and T | Infra Support | Data | PJ



Analysis - Workforce

National Data - Electronic Staff Record

	Total	Staff within Medical Physics with a Tertiary Area of Work 'Nuclear Medicine'	Staff not within Medical Physics with a Tertiary Area of Work 'Nuclear Medicine'
Qualified Healthcare Scientists with a Tertiary Area of Work 'Nuclear Medicine'	531	517	14
Consultant Healthcare Scientist	47	46	1
Healthcare Scientist Manager	16	13	3
Specialist Healthcare Scientist	55	53	2
Healthcare Scientist	82	80	2
Specialist Healthcare Science Practitioner	85	85	-
Healthcare Science Practitioner	243	241	3
MTO / Technician ¹	3	-	3
Support staff to Healthcare Scientists with a Tertiary Area of Work 'Nuclear Medicine'	77	74	3
Healthcare Science Associate	23	23	-
Trainee Healthcare Scientist	11	11	-
Trainee Healthcare Science Practitioner	15	14	1
Trainee Healthcare Science Associate	1	1	-
Healthcare Science Assistant	27	25	3

Notes:

¹ In 2013 as part of the Modernising Scientific Careers (MSC) programme, the Occupation Codes for Healthcare Scientists were updated and a new U matrix was developed to replace the T matrix.

Please note there is no direct mapping between the now closed T matrix codes and the U matrix codes

Analysis - Workload

Coding

- Workload data is uploaded by sites
- Requested national codes be submitted
- Data received in large array of formats

Analysis - Workload

Coding

From

INVBN DYN/SPOTS	2
INVBN DYN/WBDY/SPOTS	25
INVBN FEET	1
INVBN HI DY/WBDY/SPTS/SPET/CT	6
INVBN HI DYN/SPTS/SPET/CT	189
INVBN HI WBDY/SPOTS/SPET/CT	1
INVBN HI WBODY/SPET/CT	933
INVBN WBDY/SPOTS	12
INVBN WBDY	927
INVBR DATSCAN SPET/CT	370
INVBR ICTAL HMPAO SPET/CT	40
INVBR INTERICTAL HMPAO SPET/CT	15
INVCA DPD CARDIAC AMYLOID WBDY	30
INVCA MIBG CARDIAC SPOT + SPET	4
INVCA MIBI 1-DAY GATED	413
INVCA MIBI 1-DAY HI GATED	23
INVCA MIBI 2-DAY	720
INVCA MIBI HI 2-DAY GATED	1100
INVCA MIBI REST GATED	3
INVCA MUGA	561
INVCA MUGA + LPO	1

to

NDYBW	2
NBLPL	26
NBLSO	195
NBONW	1873
NSKIO	370
NMISCO	55
NMISC	40
NMMPR	1159
NMMPS	1536
NRVEN	562
NM123O	2
NPTHYO	81
NTHTC	72
NGIBS	4
NSGES	136
NMECK	13
NHEBI	12
NWCHMO	2
NWIND	1
NLUNV	92
NLYMP	29



Analysis - Workload

Coding - New NICIP codes were issued April 2017



NHS

Main Menu > Supporting Information Menu > Coding and Classifications Menu > Search

Coding and Classifications Menu

[Clinical Coding Introduction](#)
[European Dialysis and Transplant Association Coding Scheme](#)
[International Classification of Diseases](#)
[International Classification of Diseases for Oncology](#)
[National Interim Clinical Imaging Procedure Code Set](#)
[NHS dictionary of medicines and devices](#)
[OPCS Classification of Interventions and Procedures](#)
[Read Coded Clinical Terms](#)
[SNOMED CT](#)

Accident and Emergency Coding Tables
[Accident and Emergency Diagnosis Tables](#)
[Accident and Emergency Investigation Table](#)
[Accident and Emergency Treatment Tables](#)

National Interim Clinical Imaging Procedure (NICIP) Code Set
Related DDCN/DSCN/ISN

The National Interim Clinical Imaging Procedure Code Set (NICIP Code Set) is a comprehensive national standard set of codes and descriptions for imaging procedures and is maintained by the UK Terminology Centre. It is intended for use in all Imaging Department information systems.

The NICIP Code Set was approved by the Information Standards Board for Health and Social Care (ISB) and is mandated for all in-scope use cases. Further detail about the initial information standard and subsequent amendments can be found on the Information Standards Board for Health and Social Care website at: ISB 0148 "Interim Clinical Imaging Procedure Codes".

The NICIP Code Set is released biannually. The release dates are the 1st of April and the 1st of October each year.

All versions of the NICIP Code Set, both with and without SNOMED CT maps, are only available from the Technology Reference Data Update Distribution (TRUD).

Clinicians and system managers working with the Picture Archiving and Communication Systems (PACS) and Radiology Information Systems (RIS) can make requests for additions to the NICIP Code Set. All requests must first be checked for conformance to the Editorial Principles.

Requests for changes to the NICIP Code Set should be made via the Information Standards Service Desk and clearly marked "Diagnostic Imaging."

For further information on the National Interim Clinical Imaging Procedure Code Set, see the NHS Digital website at: National Interim Clinical Imaging Procedure (NICIP) Code Set.



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Analysis - Workload

Coding

- >350 codes relevant to NM
- Codes for individual planar, SPECT and CT or combinations
- NM sites are coding study visits completely differently
- BNMS need to produce guidance



Analysis - Workload

Workload Data – 100 sites 350 codes

Code	Description	Aberdeen	Aintree	AML	Barnsley	Basildon
NMISC	Infrequent planar scans or unknown code	1	13	0	2	0
N123W	NM Iodine 123 whole body	0	0	0	1	0
N123WO	NM Iodine 123 whole body SPECT	0	0	0	0	0
N131W	NM Iodine 131 whole body	0	0	0	24	0
N131WO	NM Iodine 131 whole body SPECT	19	0	0	0	0
N177SY	NM Lu177 somatostatin analogue scan	0	0	0	0	0
NAMYS	NM Amyloid study	0	0	0	0	0
NBLPL	NM Bone Local Planar	0	79	0	92	130
NBLDP	NM Blood pool scan	0	0	0	0	260
NBLSO	NM Bone Local SPECT	0	593	0	0	24
NSKIO	Brain dopamine transporter study I123	65	92	0	28	33
NBODW	NM Whole body SPECT	0	0	0	0	0
NBONW	NM Bone whole body	1617	352	0	323	660
NMISCO	Infrequent SPECT	0	0	0	0	0
NBPIMO	NM Brain perfusion imaging SPECT	281	0	0	0	0
NBREM	NM Bremsstrahlung imaging post therapy	0	0	0	0	0
NC123W	NM Iodine 123 whole body SPECT CT	0	0	0	0	0
NC131W	NM Iodine 131 whole body SPECT CT	0	0	0	0	0
NCAIMC	NM Cardiac iodine 123 MIBG scan	0	0	0	0	0

Analysis - Workload

Downfall

Where are
the GFRs?

Code	Description	Number
NBONW	NM Bone whole body	61614
NCGENW	NM Whole body FDG PET CT	33521
NMMPS	NM MPS Stress	30391
NMMPR	NM MPS Rest	25031
NBMTF	NM Bone local lumbar spine SPECT	13506
NSENT	NM Sentinel node localisation & imaging	11860
NDMSA	NM Renal DMSA	10235
NBLPL	NM Bone Local Planar	8466
NRVEN	NM Cardiac ventriculography rest	7134
NREND	NM Renogram with diuretic	7021
NBLSO	NM Bone Local SPECT	6907
NSEBS	NM Radionuclide SeHCAT bile study	6210
NSLOC	NM Sentinel node probe localisation	5968
NCLAC	NM Lung ventilation and perfusion	5661
NSKIO	Brain dopamine transporter study I123	5301
NCHEQ	NM Lung perfusion scan Q	5231
NMISC	Infrequent planar scans or unknown code	5188
NMREN	NM Renogram	4381
NCHVQ	NM Lung ventilation and perfusion	4307
NDYBW	NM Bone dynamic	4223

Analysis - Workload

National Workload Data



Home > Statistics > Statistical work areas > Diagnostic Imaging Dataset > Diagnostic Imaging Dataset 2016-17 Data

Diagnostic Imaging Dataset 2016-17 Data

Background and Guidance

[Background and guidance for this collection can be found here](#)

Date of Next Publication

22nd June 2017

Statistical Commentary

[Statistical Release 18th May \(PDF 606KB\)](#)

Data

The following data relates to April 2016 – January 2017. New months' data will be appended to these files until all data for 2016-17 have been published.

[Table 1a-1j: 2016-17 Modality Provider Counts 2017-05-18 \(XLSX, 263KB\)](#)

[Table 2a-2j: 2016-17 Modality Provider Medians Request To Test 2017-05-18 \(XLSX, 242KB\)](#)

Analysis - Workload

National Workload Data NM & PET 2015

CRIS long	Short	Count
NM Bone whole body	NBONW	100345
NM Whole body FDG PET CT	NCGENW	57175
NM Whole body PET FDG	NGENWO	27935
NM MPS Tf stress gated	NMTFS	20640
NM Sentinel node Loc and imaging	NSENT	19940
NM GFR estimation 3 and late sample	NGFR4	19610
NM MPS Tf rest gated	NMTRG	15560
NM Renal DMSA	NDMSA	15285
NM MPS MIBI stress gated	NMMSG	14570
NM Renogram with diuretic	NREND	12890
NM MPS MIBI rest gated	NMMRG	12680
NM Radionuclide SeHCAT bile study	NSEBS	11850
NM Cardiac myocardial perfusion scan	NCMP5	11735
NM Lung perfusion scan Q	NCHEQ	11730
NM Octreotide scan whole body	NOCTW	10800
NM Lung ventilation and perfusion	NCHVQ	8225
NM Renogram	NMREN	7880
NM Cardiac ventriculography rest	NRVEN	7330
NM Parathyroid MIBI	NPTHY	6290
NM Bone dynamic	NDYBW	6130
NM MPS Tf stress	NMSTT	5725



Analysis - Workload

National Workload Data – PET 2015

CRIS long	Short	Count
NM Whole body FDG PET CT	NCGENW	57175
NM Whole body PET FDG	NGENWO	27935
Positron emission tomography with CT	NPET	3200
NM Cardiac rest PET NH3	NCNRNO	3000
NM F18 choline PET CT	NCPCH	980
NM Brain FDG PET CT	NCBRA	945
NM Cardiac stress PET Rb81	NCARSO	1705
NM Ga68 DOTATATE whole body PET CT	NCGDW	690
NM Head and neck PET CT FDG	NFDGH	515
NM Brain PET FDG	NBRAIO	505
NM Cardiac rest PET FDG	NCARDO	270
NM Choline whole body PET F18	NF18WO	245
NM F18 choline whole body PET CT	NCF18W	210
NM Cardiac rest gated FDG PET CT	NCCAG	130
NM Cardiac rest PET NH3	NCNRNO	95
NM Cardiac stress Rb81 PET CT	NCCAS	55
NM C11 choline PET CT	NCC11	45
NM Cardiac stress PET Rb82	NSRB82	40
NM Ga68 DOTATATE whole body PET	NGADWO	35
NM Ga68 DOTANOC PET CT whole body	NDTNW	35



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Analysis - Workload

National Workload Data Therapy 2015

CRIS long	Short	Count
NM Thyroid I131 thyrotoxicosis therapy	NT131Y	3265
NM Radium 223 therapy	NR223	1710
NM Thyroid I131 Carcinoma thyroid Abl	NC131Y	1165
NM Lu177 somatostatin analogue therapy	N177AY	445
NM Y90 Somatostatin analogue therapy	NY90AY	225
NM Rhenium-186 HEDP therapy	NR186Y	215
NM Hepatic microsphere therapy	NHEPMY	195
NM Radionuclide synovectomy	NSYNY	110
NM Phosphorus 32 therapy	NPH32Y	70
NM Iodine 131 MIBG therapy	NMIBGY	50
Fluoro Guid Pc hepatic Y90 microsphere	NY9HEY	5
NM Y90 antibody therapy	NY90TY	5
NM Strontium 89 therapy	NSR89Y	5
NM Samarium-153 EDTMP therapy	NS153Y	5

Analysis - Workload

National Workload

Data Non-imaging

2015

CRIS long	Short	Count
NM GFR estimation 3 and late sample	NGFR4	19610
NM C13 urea breath test	NC13U	900
NM Thyroid uptake Iodine 131 no images	NTU13	570
NM Red cell mass and plasma volume	NRCPV	350
NM Red cell mass estimation	NRCME	260
NM C14 glychocholic breath test	NC14G	195
NM C14 urea breath test	NC14U	155

Conclusions

- Putting data onto the BNMS website is a worthwhile activity – please continue/start
- National data is still not correct and needs improving and verifying
- Coding of NM workload data and ESR data needs to be improved



Future Work

- Develop tools for analysis of data and write up analysis of 2015/16 data
- Choose new provider for BNMS website
- Populate with existing datasets
- Annual data update and analysis
- BNMS guidance on coding of NM scans
- Work with NHS Digital to improve and verify national data for workforce and workload
- Liaise with ARSAC on equipment data

