

Information Governance

5 October 2016

Our Ref: RFI 18024

Dear

Freedom of Information Act 2000 – Information in Relation to Imaging Services provided at Hospitals commissioned on behalf of the South Eastern Health & Social Care Trust

I refer to my earlier response dated 27 September 2016 regarding the above.

As promised, please find attached, an updated response which includes the items not responded to in my previous response.

If you have any queries about this letter, please do not hesitate to contact me. Please remember to quote the reference number above in any future communications.

Yours sincerely

L McAree (Miss)
Head of Information Governance &
Directorate Support

Q1. *Total number of and the manufacturer and model number(s) of each individual:*

- *MRI scanner*
- *CT scanner*
- *PET scanner*
- *SPECT scanner*
- *Ultrasound scanner*
- *Flexible Endoscope [An estimate of the number and predominant manufacturer brand will suffice]*
- *Catheter Lab X-ray machines*

A1. Please see Table 1 below which provides the number of scanners in use within the Trust. I can confirm that the Trust does not use PET, SPECT scanners.

Information in relation to flexible endoscope will be provided as soon as possible.

Table 1

System	Scanner Type	Number
MRI Scanner	Siemens Aera	1
MRI Scanner	Philips 1.5T Achieva	1
CT Scanner	Philips Brilliance 64	2
CT Scanner	Philips Brilliance 256	1
CT Scanner	Siemens Sensation 64	1
Ultrasound Scanner	Zonare, Model Z013-00	2
Ultrasound Scanner	Philips iU22	6
Ultrasound Scanner	Toshiba Aplio XG	1
Ultrasound Scanner	Toshiba Aplio X500	1
Ultrasound Scanner	Philips Epiq 7G	1
Ultrasound Scanner	GE Logiq E9	1
Cather Lab X-ray Machine	GE Innova 520	2

2. The year each individual scanner was purchased, the purchase method**, cost and the scheduled replacement year for each individual:

- MRI scanner
- CT scanner
- PET scanner
- SPECT scanner

Purchase methods include:

- *Direct Purchase* – trust/hospital outright bought the machine and is sole owner.
- *Lease* – trust/hospital pays an annual rental fee to the supplier.
- *Managed Equipment Services (MES)* – Single contract with an MES provider including leasing and maintenance.
- *Charity Purchase* – donated by an associated charity.
- *Private Finance Initiative (PFI)* – purchase is financed by a PFI scheme.
- *Please state the total cost for direct purchases and annual payments if lease or MES.*

Please indicate if equipment was purchased through a group purchasing organisation (e.g. NHS Supply Chain, East England Procurement Hub), a procurement framework or procured by the trust's own framework.

A2. Please see response provided in Table 2 below.

Table 2

System	Purchase Method	Cost	Scheduled Replacement Year
MRI Scanner			
System 1: Purchased March 2013	NHS Supply Chain	£826,145.56	2020
System 2: Purchased March 2012	NHS Supply Chain	£682,751.42	2019
CT Scanner - Ulster Hospital			
System 1: Purchased March 2008	NHS Supply Chain	£415,000	2022
System 2: Purchased May 2015	NHS Supply Chain	£767,000	2022
CT Scanner - Lagan Valley Hospital			
System 1: Purchased April 2007	Procurement Framework	£69,995	2014
CT Scanner – Downe Hospital			
System 1: Purchased March 2009	Procurement Framework	£405,000	2015

Ultrasound Scanner – Ulster Hospital			
Zone 1	NHS Supply Chain	£32,000	2014
Zone 2		£32,000	2014
Philips iU22 System 1		£75,900	2016
Philips iU22 System 2		£75,900	2016
Philips iU22 System 3		£74,000	2016
Philips iU22 System 4		£66,058	2017
Toshiba Aplio XG		£72,200	2014
Toshiba Aplio X500		£72,370	2017
Ultrasound Scanner – Lagan Valley			
Philips Epiq 7G	NHS Supply Chain	£67,372	2018
Philips iU22		£69,039	2018
Ultrasound Scanner – Downe Hospital			
GE Logiq E9	NHS Supply Chain	£76,690	2014
Philips iU22		£69,039	2018
Cather Lab X-ray Machine – Ulster Hospital			
System 1: Purchased December 2012	NHS Supply Chain & Direct purchase	£374,000	2020
System 2: Purchase June 2016	NHS Supply Chain	£410,365	2023

3. How each of the following equipment has been purchased (e.g. contract with OEM, NHS Supply Chain catalogue) and how often they are replaced on average:

- Ultrasound scanner
- Sets of Flexible Endoscopes
- Catheter Lab CT machines

Data may be available from purchasing/contracting department.

See above for purchase methods.

An estimate of how often the trust/hospitals aim to replace the listed equipment would be useful (e.g. once every 2 years).

- A3. Please refer for information provided in Table 2 above.

4. The maintenance provider (e.g. the OEM or a third party) and the annual maintenance cost (if applicable) for each individual:

- MRI scanner
- CT scanner
- PET scanner
- SPECT scanner
- Ultrasound scanner
- Catheter Lab CT machines

Data may be available from purchasing/contracting department.
 Might be done by the Original Equipment Manufacturer (OEM) (e.g. Siemens maintenance for a Siemens MRI machine) or a third party. If so, please state the provider name.
 If no listed maintenance provider, please state – possibly the case for ultrasound

A4. Please see response provided in Table 3 below.

Table 3

System	Maintenance Provider	Annual Maintenance Cost
MRI Scanner		
System 1	Siemens	£62,225
System 2	Philips	£61,675
CT Scanner - Ulster Hospital		
System 1	Philips	£55,675
System 2	Philips	£53,256
CT Scanner - Lagan Valley Hospital		
System 1	Siemens	£58,726
CT Scanner – Downe Hospital		
System 1	Philips	£55,675
PET Scanner – Not applicable		
SPECT Scanner – Not applicable		
Ultrasound Scanner – Ulster Hospital		
Systems 1 & 2	Hospital Services Ltd	£654.12
Systems 3, 4 & 5	SMC	£7,220.20
System 6	Medical Imaging	£9,500
System 7	Medical Imaging	£9,496
Ultrasound Scanner – Lagan Valley Hospital		
Philips Eqiq 7G	SMC	£9,796.40
Philips iU22	SMC	£7,220.20
Ultrasound Scanner – Downe Hospital		
Logiq E9	MDI Medical	£7,546.40
Philips iU22	SMC	£7,220.20

Cather Lab X-ray Machine – Ulster Hospital		
GE Innova 520	GE	£50,000 (fully inclusive of injector pump, MAC Lab and Innova)
GE Innova 520 (new build)	GE	£50,000 (fully inclusive of injector pump, MAC Lab and Innova)

5. *Staffed hours for each individual: (Please note which of the individual scanners are available 24/7 for A&E purposes.)*

- *MRI scanner*
- *CT scanner*
- *PET scanner*
- *SPECT scanner*

Data may be available from radiology department.

Please state hours each scanner is manned. (e.g. 9am – 6pm, Mon-Fri).

Scanners used by A&E departments presumably must be 24/7, so please indicate these where relevant.

A5. Please see response provided in Table 4 below.

Table 4

System	Staff Hours
MRI Scanner	
System 1	60 hours per week
System 2	52 hours per week
CT Scanner - Ulster Hospital	
System 1	41.5 hours per week + 24/7 for A&E purposes
System 2	37.5 hours per week
CT Scanner - Lagan Valley Hospital	
System 1	37.5 hours per week+ 24/7 for A&E purposes
CT Scanner – Downe Hospital	
System 1	37.5 hours per week+ 24/7 for A&E purposes
PET – Not applicable	
SPECT – Not applicable	
Ultrasound Scanner – Ulster Hospital	
Zonare 1	Mobile
Zonare 2	Mobile
Philips iu22 system 1	41.5 hours per week

Philips iu22 system 2	39.5 hours per week
Philips iu22 system 3	39.5 hours per week
Philips iu22 system 4	44.5 hours per week
Toshiba Aplio XG	37.5 hours per week
Toshiba Aplio X500	37.5 hours per week
Ultrasound Scanner – Lagan Valley Hospital	
Philips Epiq 7G	37.5 hours per week
Philips iU22	37.5 hours per week
Ultrasound Scanner – Downe Hospital	
GE logiq E9	37.5 hours per week
Philips iu22	37.5 hours per week
Cather Lab X-ray Machine – Ulster Hospital	
Current Innova System	37.5 hours per week+24/7for emergencies
Operations Hours 08:00 hrs – 16:00 hrs	

6. *Number of scans/procedures performed annually in period financial year 2005/06 - 2015/16 for the following: [See the attachment for the relevant OPCS and modality ID codes].*

- *MRI scans**
- *CT scans**
- *PET scans**
- *SPECT scans**
- *Ultrasound scans*
- *Endoscopy procedures (Upper GI, Lower GI and Urological)*
- *Cardiac Angiography and Angioplasty procedures*
- *Cardiac Electrophysiology procedures*

Data may be available from Radiology Information System (RIS), possibly obtainable from head of radiology.

**For MRI, CT, PET and SPECT these may be covered by submissions to HSCIC for the Diagnostic Imaging Dataset (DID)*

(<http://www.hscic.gov.uk/did> [For NHS England]), but we are looking for more granular data by individual machine if possible.

- A6. Please note the Trust is unable to provide any information prior to mid-2009 due the systems used for recording.

Please see figures provided in Table 5 below.

Table 5

Year	Number of Scans/Procedures Performed
MRI Scans	
2009/2010	Information not held
2010/2011	6005
2011/2012	6815
2012/2013	8668
2013/2014	10257
2014/2015	12162
2015/2016	12506
CT Scans	
2009/2010	6887
2010/2011	16,527
2011/2012	18857
2012/2013	20,346
2013/2014	21158
2014/2015	23,459
2015/2016	24034
PET Scans	
	Not applicable
SPECT Scans	
	Not applicable
Ultrasound Scans	
2009/2010	10229
2010/2011	23587
2011/2012	25571
2012/2013	27816
2013/2014	29875
2014/2015	31,235
2015/2016	31548
Endoscopy procedures (upper GI, Lower GI and Urological)	

Cardiac Angiography and Angioplasty procedures	
CT Angiography Numbers	
2009/2010	272
2010/2011	799
2011/2012	1166
2012/2013	977
2013/2014	869
2014/2015	842
2015/2016	618
Cardiac Catheterisation Angiography Numbers	
2012/2013	211 (equipment operational date January 2013)
2013/2014	1105
2014/2015	1038
2015/2016	901
Cardiac Electrophysiology Procedures	
No electrophysiology procedures carried out in the Trust, all procedures are referred to the Belfast Health & Social Care Trust	

7. *Number of scans/procedures performed by external providers on behalf of the trust in this same period. How much was paid per scan/procedures on average? Please list by external provider name. For the following:*

- *MRI scans*
- *CT scans*
- *PET scans*
- *SPECT scans*
- *Ultrasound scans*
- *Endoscopy procedures (Upper GI, Lower GI and Urological)*
- *Cardiac Angiography and Angioplasty procedures*
- *Cardiac Electrophysiology procedures*

Number of activities performed by an external provider (NHS or Non-NHS), data may be collected by LCGs.

A7. Please see Table 6 below and also Appendix 2.

Table 6

Type of Scan/Procedure	Number of Scans/Procedures Performed by an External Provider
MRI Scans	353 (for the period 03/08/2012 – 12/01/2014)
CT scans	Not applicable
PET scans	Not applicable
SPECT scans	Not applicable
Ultrasound scans	Not applicable
Endoscopy procedures (upper GI, Lower GI and Urological)	Nil
Cardiac Angiography and Angioplasty procedures	Nil
Cardiac Electrophysiology procedures	Nil

8. *Average cost per scan from by year for the period 2005/06 – 2015/16 for the following:*

- *MRI scans*
- *CT scans*
- *PET scans*
- *SPECT scans*

Data may be available from person responsible for collecting NHS reference cost data.

A8. *Please see response provided in Table 7 below.*

Table 7

Type of Scan	Average Cost
MRI scan	<i>Currently £145 (one body part, no contrast; includes consultant report)</i>
CT scan	<i>Currently £97 (one body part, no contrast; includes consultant report)</i>
PET Scan	<i>Not applicable</i>
SPECT scan	<i>Not applicable</i>

For previous year costs, please refer to the NHS tariffs

9. *The provider of tracers for PET (e.g. FDG) and annual spend on tracers. Data may be available from purchasing/contracting department.*

A9. Not applicable.

Scopes provided by external providers 01/04/2006-31/08/2016 (financial year)

		2007/2008	2008/2009	2009/2010	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017	Totals
Colonoscopy	4352	67	1	1	94	50	486	2			701
	435W				5	163	187	138		1	494
	4WOD	8									8
Colonoscopy Total		75	1	1	99	213	673	140		1	1,203
Gastroscopy	4352	202			70	72	249				593
	435W				31	325	409	302	6		1073
	4HIL			1							1
	4WOD	2									2
Gastroscopy total		204		1	101	397	658	302	6		1,669
Flex Sigmoid	4352	13	7	3	21	31	218	2			295
	435W				15	60	109	72	1	1	258
	4FIW						1				1
Flex Sigmoid total		13	7	3	36	91	328	74	1	1	554
Cystoscopy	4352			2			1				3
	435W						2	7	1		10
	4NWW							1		1	2
	4SFR						1				1
Cystoscopy Total				2			4	8	1	1	16
Grand total		292	8	7	236	701	1663	524	8	3	3,442

Please note: totals for 2016-2017 may change as coding is updated.
Information only available for 10 years.

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