

<b>Reference:</b>	FOI.8423.22
<b>Subject:</b>	Clinical Imaging Equipment
<b>Date of Request:</b>	8 March 2022

**Requested:**

We are currently updating data on your Trust's medical imaging equipment and spend. Can you please complete the fields below with what you currently hold?

A list of the current medical imaging equipment held by the Trust across all hospital sites, providing the following information:

1. What is your overall spend on medical imaging products and services for the current year?
2. How much do you spend on each modality requested below for the current year:
  - a. Computed Tomography (CT)
  - b. Magnetic Resonance Imaging (MRI)
  - c. Ultrasound
  - d. Fluoroscopy
  - e. Mammography
  - f. Nuclear
  - g. Mobile X-ray
  - h. Static X-ray
3. A list of the current equipment held by the Trust across all hospital sites for each of the following:
  - a. Supplier
  - b. Product
  - c. Contract start date
  - d. Contract expiry date
  - e. Number of devices
  - f. Age of product

Example Response: 3 x Siemens Acuson SC2000, Initial cost £ 29,000, Contract start date 10/02/2022 Contract end date 10/02/2026, 6 years old

4. Annual cost of maintenance of equipment
5. What percentage of your imaging equipment has an element of Artificial Intelligence?

**Definitions:**

1. Computed Tomography (CT) - is a medical imaging technique that uses computer-processed combinations of multiple X-ray measurements taken from different angles to produce images of a body, allowing the user to see inside the body without cutting. They are used within Medical Physics and Radiology departments.
2. Magnetic Resonance Imaging (MRI) - is a medical imaging technique used in radiology to form pictures of the anatomy and the physiological processes of the body. They are used in Medical Physics and Radiology departments.

3. Ultrasound – is an imaging method that uses high-frequency sound waves to produce images of structures within the body. Ultrasound machines are used in various departments such as Radiology, Renal, Urology, Vascular, Clinical Science and Medical Physics.
4. Fluoroscopy - is an imaging technique that uses X-rays to obtain real-time moving images of the interior of an object. These products are used in Radiology departments.
5. Mammography – is a screening system used to detect and diagnose breast cancer by taking an X-ray of the breast. These products are used by Radiology and Breast Imaging professionals.
6. Nuclear - is a specialised area of radiology that uses very small amounts of radioactive materials, or radiopharmaceuticals, to examine organ function and structure. These products are used in Medical Physics and Radiology departments.
7. Mobile X-ray - these units are used for radiographic imaging of patients who cannot be moved to the radiology department and who are in areas, such as intensive and critical care units or operating and emergency rooms, that lack standard, fixed radiographic equipment. Medical applications can include general radiography and orthopaedic, paediatric, skeletal, and abdominal imaging. They are usually used by Surgeons and Medical Physics and Radiology professionals.
8. Static X-ray - is used for taking standard x-rays. These products are used in Medical Physics and Radiology departments.

**Response:**

Hywel Dda University Health Board (UHB) is unable to provide you with the information requested for question 1, as it is estimated that the cost of answering your request would exceed the “appropriate limit” as stated in the Freedom of Information and Data Protection (Appropriate Limit and Fees) Regulations 2004. The “appropriate limit” represents the estimated cost of one person spending 18 hours (or 2 ½ working days) in determining whether the UHB holds the information, and locating, retrieving and extracting the information.

In order to provide you with the information requested, the UHB would need to undertake a manual search of the Finance ledger entries, to identify the information requested, as it is not recorded separately.

The UHB is therefore applying an exemption under Section 12 of the Freedom of Information Act 2000 (FoIA), which provides an exemption from a public authority’s obligation to comply with a request for information where the cost of compliance is estimated to exceed the appropriate limit.

However, under Section 16 of the FoIA, we are required as a public authority, to provide advice and assistance so far as it is reasonable, to individuals who have made a request under FoIA and therefore, the UHB provides the available data below.

The UHB has looked at the available data and can confirm that the estimated spend relating to medical imaging is £910,000.00, for the financial year 2021/2022, which includes estimated costs for March 2022.

2. The UHB provides, within the table overleaf, the estimated overall spend on each of the modalities requested, for the financial year 2021/2022, which includes estimated costs for March 2022.

Modality	Amount
Computed Tomography (CT)	£4,300,000.00
Magnetic Resonance Imaging (MRI)	£1,700,000.00
Ultrasound	£4,500,00.00
Fluoroscopy	£272,000.00
Mammography	£1,000,000.00
Nuclear	£415,000.00
Mobile X-ray	£0.00
Static X-ray	£4,400,000.00

3. The UHB provides the information it holds, within Attachment 1.
4. The UHB confirms that the annual cost of the Clinical Imaging Equipment maintenance is £1,200,00.00.
5. The UHB confirms that less than 2% of the Clinical Imaging Equipment has an element of Artificial Intelligence (AI), as only some of the new equipment have aspects of AI.