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Bwrdd Iechyd Prifysgol  
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University Health Board



## Freedom of Information Request: Our Reference CTMUHB\_78\_26

### You asked:

I am submitting this Freedom of Information request to obtain information regarding the NHS Organisation's Cardiology imaging systems, associated diagnostic reporting processes, and Cardiology departmental activity.

Definitions of key terms are provided at the end of this request to support consistent interpretation.

### \*\*\*\*\* Cardiology Imaging Systems – Core Information \*\*\*\*\*

This section relates to Cardiology specific digital systems used to store, manage, view, and report Cardiology investigations (for example echocardiography, cardiac catheter laboratory procedures, cardiac CT, or cardiac MRI).

For clarity, NHS Organisations may use a Cardiology PACS (cPACS), a Cardiovascular Information System (CVIS), a combination of both, or an enterprise imaging platform shared with other specialties.

Please answer each question as it applies to your NHS Organisation:

#### 1. What Cardiology imaging and/or Cardiology information system(s) are currently in use (please provide system name and supplier)?

McKesson – Optum  
Solus – HD Clinical  
MUSE – GE Healthcare  
Sentinel – Spacelabs  
DataLinQ – Fysicon

#### 2. Which of the following best describes the NHS Organisation's current Cardiology system configuration?

- **Cardiology PACS (cPACS) only**
- Cardiovascular Information System (CVIS) only
- CVIS with a separate Cardiology PACS (cPACS)
- Cardiology imaging managed within an enterprise PACS shared with other specialties (e.g. Radiology PACS)

#### 3. When did the current Cardiology system contract commence?

30/10/2025.

#### 4. When is the current Cardiology system contract due to expire? (Or is it on a rolling annual contract)?

31/03/2026.

**5. Are there any contract extension options available under the current agreement?**

Yes.

**6. Is the Cardiology system contracted locally by the NHS Organisation, or part of a shared, regional, or collaborative arrangement (for example multi Trust or ICB level)? If shared, please provide the name of the collaborative arrangement.**

Local to the NHS organisation.

**\*\*\*\*\* Cardiac Catheter Laboratory and Supporting Systems \*\*\*\*\***

**7. What haemodynamics system(s) are currently used within the cardiac catheter laboratory (please provide system name and manufacturer)?**

Mac-Lab – GE Healthcare  
ComboLab – GE Healthcare

**8. What C arm / angiography system(s) are currently used within the cardiac catheter laboratory (please provide system name and manufacturer)?**

Allura FD10 – Philips.

**9. What ECG management system is currently used by the NHS Organisation (for example for ECG acquisition, storage, and review)?**

MUSE – GE Healthcare.

**10. Is any AI software or advanced post processing software used for Cardiology imaging, such as 3D/4D post processing of echocardiography images? If yes, please provide the name and supplier of the solution.**

Not currently using AI software for our post processing of 3D/4D images.

**\*\*\*\*\* Cardiology Diagnostic Reporting \*\*\*\*\***

**11. Which of the following best describes where Cardiology diagnostic reporting is primarily undertaken?**

- Within a Cardiovascular Information System (CVIS)
- **Within a Cardiology PACS (cPACS)**
- Within the Trust's Electronic Patient Record (EPR)
- Within a Radiology Information System (RIS)

**\*\*\*\*\* NHS Organisation Cardiology Departmental Activity \*\*\*\*\***

**12. Approximately how many Cardiology imaging studies are undertaken by the NHS Organisation per annum?**

Approximately 20,000 Echocardiograms.  
Approximately 450 – 500 Angiograms.

**13. Approximately how many Cardiology imaging studies are shared externally per annum (for example via regional image sharing platforms or inter Trust transfer)?**

We are unable to confirm the total number sent via DICOM transfer and Web views are impossible to determine.

**14. Does the authority share Cardiology imaging studies with neighbouring Trusts?**

Yes.

**15. If so, which Trusts?**

University Hospital Wales – DICOM Transfer  
Swansea Bay University Health Board (UHB) – Web Viewer  
Aneurin Bevan UHB - Web Viewer  
Hywel Dda UHB - Web Viewer  
Cardiff & Vales UHB - Web Viewer

\*\*\*\*\* Definitions \*\*\*\*\*

Cardiovascular Information System (CVIS) A Cardiovascular Information System (CVIS) is a specialist clinical system used to manage Cardiology workflows and data. This typically includes scheduling, measurements, structured diagnostic reporting, and access to Cardiology imaging. CVIS solutions may access images via integrated image storage or via connection to a shared or enterprise imaging archive.

Cardiology Picture Archiving and Communication System (cPACS) A Cardiology PACS (cPACS) is a Cardiology specific imaging archive used to store, retrieve, view, and distribute Cardiology images and waveforms. This includes echocardiography, cardiac catheter laboratory angiography, cardiac CT, cardiac MRI, and ECG data. cPACS solutions focus primarily on imaging storage and viewing rather than full clinical workflow management.

Electronic Patient Record (EPR)  
An Electronic Patient Record (EPR) is used to hold a patient's broader clinical record across the organisation. In Cardiology, an EPR may reference Cardiology investigations and include summary results, but does not typically replace specialist Cardiology imaging or diagnostic reporting systems.

Radiology Information System (RIS)  
A Radiology Information System (RIS) is a system used to manage radiology workflows, including imaging orders, scheduling, and reporting. In some organisations, RIS platforms may also be used to support Cardiology reporting, particularly where Cardiology imaging is managed within an enterprise PACS.

Cardiac Catheter Laboratory (Cath Lab)  
A cardiac catheter laboratory is a specialised clinical environment used for diagnostic and interventional Cardiology procedures. Cath labs typically include haemodynamics systems, angiography (C arm) systems, and associated reporting and imaging software.

### Haemodynamics System

A haemodynamics system is used within the cardiac catheter laboratory to record, display, and analyse physiological measurements such as pressures, flows, and waveforms during diagnostic and interventional Cardiology procedures.

### Diagnostic Reporting in Cardiology

Diagnostic reporting in Cardiology refers to the interpretation and reporting of Cardiology investigations, including echocardiography, cardiac catheter laboratory procedures, cardiac CT, cardiac MRI, and other Cardiology diagnostics. Reporting may be performed within CVIS, cPACS, RIS, EPR systems, or a combination of these.