Reference:	FOI.19514.26
Subject:	Cardiology systems
Date of Request:	5 February 2026

Requested:

***** 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)?

2. Which of the following best describes the NHS Organisation's current Cardiology system configuration?
   a. Cardiology PACS (cPACS) only
   b. Cardiovascular Information System (CVIS) only
   c. CVIS with a separate Cardiology PACS (cPACS)
   d. Cardiology imaging managed within an enterprise PACS shared with other specialties (e.g. Radiology PACS)

3. When did the current Cardiology system contract commence?

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

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

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.

***** 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)?

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

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

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.

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

11. Which of the following best describes where Cardiology diagnostic reporting is primarily undertaken?
    a. Within a Cardiovascular Information System (CVIS)
    b. Within a Cardiology PACS (cPACS)
    c. Within the Trust's Electronic Patient Record (EPR)
    d. 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?

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

14. Does the authority share Cardiology imaging studies with neighbouring Trusts?
    - If so, which Trusts?

***** 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.

Response:

1. Hywel Dda University Health Board (UHB) confirms that the current Cardiology imaging system used is the Change Healthcare Picture Archiving and Communication System (PACS) provided by Optum.

2. The UHB's current Cardiology system configuration is:
   a. Cardiology PACS (cPACS) only

3. The UHB's current contract commenced in 2017.

4. The contract end date is 31 December 2026.

5. Yes, there is an option available to extend the contract.

6. The Cardiology system is contracted locally by the UHB.

7. The Haemodynamics system currently used within the UHB's cardiac catheter laboratory is Mac-Lab provided by GE Healthcare.

8. The C arm/angiography system currently used within the cardiac catheter laboratory is the Siemens Artis Zee.

9. The UHB's Electrocardiogram (ECG) management system currently used for reporting is the Sentinel Cardiology Information Management System and the system currently used for analysing is SpaceLabs Pathfinder.

10. The UHB confirms that it does not use Artificial Intelligence (AI) software or advanced post processing software for Cardiology imaging.

11. The UHB's Cardiology diagnostic reporting is primarily undertaken:
    b. Within a Cardiology PACS (cPACS)

12. Approximately one hundred and eighty thousand (180,000) Cardiology imaging studies are undertaken per annum.

13. Approximately seventy-one (71) Cardiology imaging studies are shared externally via the Image Exchange Portal (IEP), per annum.

14. The UHB confirm that it shares Cardiology imaging studies across NHS Wales and NHS England.