

PedCath Implementation Guide

Implementing PedCath at your institution should be a straightforward process that can be predominately handled by the PedCath administrator assigned by your hospital. The steps will vary depending on the chosen configuration options.

Planning

- Initial Discussion / Demo
- Determine PedCath Administrator
 - o This role should be assigned to an internal IT staff or team at your hospital
 - o Responsible for installation, upgrades, managing users, running database maintenance (typically quarterly), and replacing the license file annually. Role expected to take less than one hour per month.
- IT staff to review tech documents (IT Tech Overview / PedCath Administrator's Guide)
- Determine network configuration
 - o Determine where PedCath should be accessible
 - PedCath is typically used after the case in the physician's office and is often installed in the cath lab as well. PedCath can be installed on the server for faster maintenance, but it isn't required. PedCath can run over virtualization software such as Citrix.
 - o Determine a share folder location to host the database files.
 - An on-site Windows share is recommended.
- Determine optional features
 - o Multiuser access
 - o Importing data from hemodynamics systems.
 - o Exporting data to EMR/CVIS (HL7/XML/FTP license).

Implementation

- Work with Scientific Software to customize PedCath for your institution.
 - o Provide Scientific Software a logo image and header text to appear on the report.
 - o Determine the diagnostic coding system to use.
- Scientific Software will make the PedCath software and customized database package available for download.
- Set up the file share with read/write access to users.
- Download and run the blank database package to extract the files to the share. (5 minutes)
- Install PedCath software on the desired workstations and specify network path on startup. (5 minutes per workstation)
- Set up PedCath users (1 minute per user).

Set up a test server (optional)

To facilitate interface or upgrade testing you can set up a test server if you'd like.

- Download and run the sample database package to extract the files to a folder on the test share or to a share folder. (5 minutes)
- Install PedCath software on the test server and specify database path on startup. (5 minutes).

When importing data from your hemodynamics system(s):

- Work with your hemodynamics vendor to configure sending the case files to the PedCath data share (Data_In\ folder). If another path is preferred then the path would need to be set on each PedCath workstation within the Direct Data import Utility, and users given read/write access to the folder.
- Export sample cases from all labs you plan on importing from to the import folder, preferably with full data.
- Register the labs in PedCath within the PedCath Direct Data Import Utility.
 - o If the lab names show up blank in the utility then work with the hemodynamics vendor and Scientific Software to get those set.
- Modify cleanup options in the administrative options
 - o Import files generally aren't needed after the import. They can also be cleaned up with database maintenance.
- Change the import filter settings if desired (files from the last 7 days are shown by default). This is a per machine setting.
- Import a test case and make sure it imports with no errors and contains the desired data elements (at least 1 per lab).
- Make any mapping adjustments with Scientific Software for any data not coming through as desired.

If sending reports to the EMR

- Work with Scientific Software to determine export configuration (e.g. HL7 to file share with embedded PDF, file name format).
- Scientific Software will provide samples/specs and other documentation based on the format you are planning to use.
- Determine required administrative fields to be included in exports (such as order number, accession number, account number), and adjust import mappings and export configuration as needed with Scientific Software.
- Set up PedCath export configuration. Create sample files if needed.
- If needed configure integration engine or batch file processor to pick up PedCath interface files from the PedCath export folder to send to the EMR.
- Work with your EMR integration team to ingest the report files to the desired location in your EMR.

End-to-End Testing

If you are implementing both a hemodynamics import and outbound to the EMR then end-to-end testing is recommended.

- Test sending PedCath report
 - o Import Data from Hemodynamics system > Complete PedCath Report sections > Lock Report > Ensure report shows up in EMR.
- Test sending corrected report
 - o Choose Create Updated Report function on a locked report > Change some data elements > Lock Report > Ensure report shows up in EMR as corrected report.

Pre-Go Live

- Physician Web-Ex training
 - o Typically, one or two 1-hour sessions with Scientific Software.
- Configure global settings with physicians
 - o Determine if a default report layout should be used.
- Scientific Software can optionally join a run-through over a WebEx session of a live or test case with the physicians.

Post-Go Live

- Monitor that data is coming over as desired from your hemodynamics system.
- Monitor that the finalized reports are making it to the EMR.