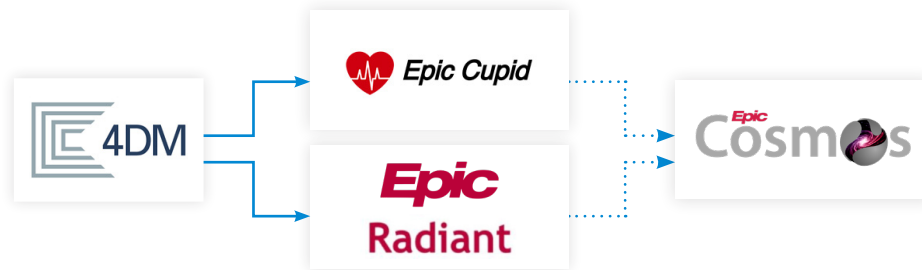


Seamlessly Integrate 4DM Values to EPIC



BACKGROUND

4DM generates and captures over 100 quantifications and patient-specific data during each cardiac review and assessment workflow. Often this information is used to inform the patient's therapy, and is then filed away until their next appointment.

4DM has been updated to more readily integrate with EPIC to seamlessly pass 80 quantitative values and data fields from each patient study. Cardiology professionals can now increase efficiency and generate more valuable information with this integration, which combines 4DM's certified clinical structure reports within EPIC Cupid (cardiovascular reporting), Radiant (radiology reporting) and Cosmos (data analytics) interfaces.

Although 4DM and many of its PACS system partners have cardiology-specific structured reports generated seamlessly with 4DM, many health systems standardize with EPIC reporting. Still others utilize analytical tools within EPIC for patient-level as well as system-wide analysis. 4DM now makes both reporting and analysis in EPIC seamless with this new update, serving several use cases.

BENEFITS

- Save time with improved workflow;
- Use EPIC's Cupid and Radiant reporting;
- Streamline reporting throughout the health system;
- Use Cosmos Analytics for patient specific as well as cardiology-wide insight;
- Or, utilize 4DM's Nuclear Cardiology-specific reporting, then export the patient's discrete data to Cosmos for analytics.



OPTIONS FOR SEAMLESS INTEGRATION

Use any or all of the three options to seamlessly integrate data into EPIC:

- **EPIC XML:** Use this integration method to populate Cupid or Radiant reports, before transferring those values to Cosmos Analytics.
- **HL7v2-ePDF:** With this method, 4DM reports save as encapsulated PDF files into EPIC for future reference and comparisons. Note that this option requires the OnBase® product.
- **HL7v2-rPDF:** Enables physicians to open the 4DM patient report using EPIC. Using this method, 4DM reports save as encapsulated PDF files at a location defined by the user. 4DM sends a URL link, to be stored in EPIC, that acts as a shortcut to open the saved file. Because values are not stored individually, this option does not feed into Cosmos Analytics.

GETTING STARTED WITH THE EPIC INTEGRATION

The 4DM to EPIC integration feature first became available with 4DM v2018, and has since evolved. Turn on this 4DM data transfer to EPIC feature using 4DM's Admin module or via Preferences within 4DM.

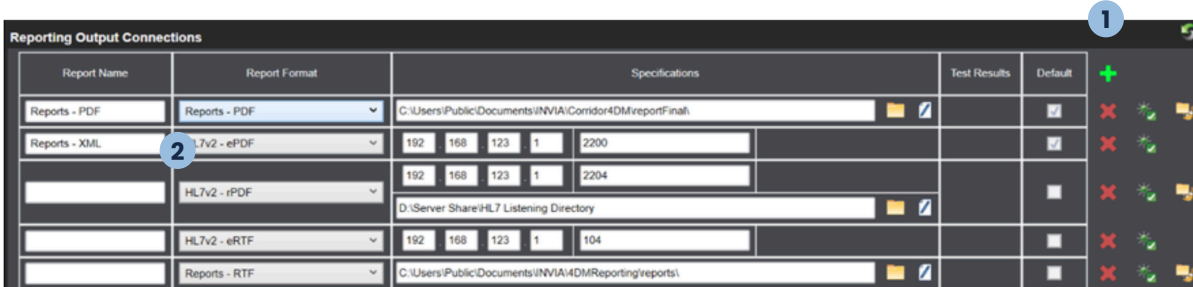
Contact INVIA customer support at support@INVIASolutions.com for help getting started.

CONFIGURING THE 4DM → EPIC INTIGRATION

HL7v2-ePDF

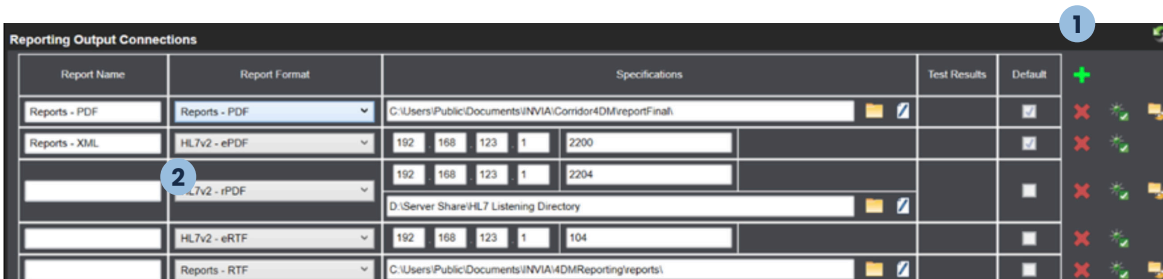
This output requires both EPIC and OnBase software.

1. To configure exporting a 4DM structured PDF Report to EPIC via an HL7-ePDF, your organization’s IT administrator must install and configure the ADT ONBASE listener.
2. Next, in the 4DM Admin module find the Connections page within the Reporting section.
3. Create a connection by selecting the green “+” icon **1** and set the Report Format to HL7v2-ePDF **2**.
4. Once you’ve entered the IP address and Port Number of the OnBase Listener, select the Test button **3** to confirm the connection between OnBase and 4DM.
5. Select the Default selection box;
6. SAVE before exiting.



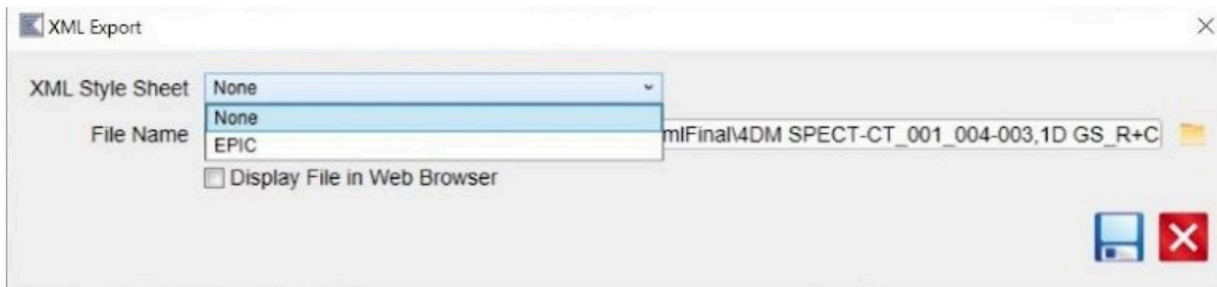
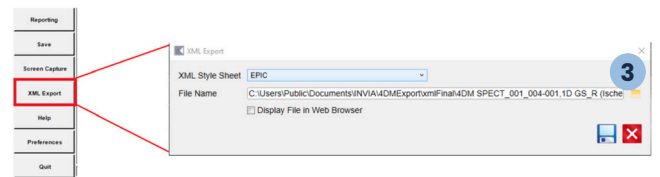
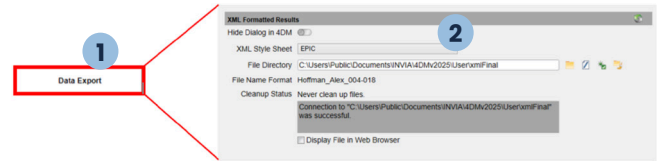
HL7v2-rPDF

1. To configure exporting a 4DM structured PDF Report to EPIC via HL7v2-rPDF, first contact your EPIC IT administrator to determine the IP address and Port Number for the EPIC ADT Listener.
2. Next, work with your local IT Administrator to define a folder directory location for 4DM to export and permanently store the structured reports as PDF file.
3. In the 4DM Admin module find the Connections page within the Reporting section.
4. Create a connection by selecting the green “+” icon **1** and set the Report Format to HL7v2-rPDF **2**.
5. Once you’ve entered the IP address and Port Number of the EPIC ADT Listener, select the Test button **3** to confirm the connection between EPIC ADT and 4DM.
6. Select the Default selection box;
7. SAVE the configuration settings.
8. You can save your files permanently or define a cleanup schedule for the directory in the 4DM Admin-Reporting-Connection screen.



EPIC XML

1. To configure 4DM discrete values export to EPIC via XML Export, contact your EPIC IT Administrator to define a folder directory location for 4DM to temporarily store the discrete data.
2. Next, launch a study in 4DM and select Preferences within Global Settings.
3. Click-on Data Export. **1**
4. Within the XML Formatted Results section, choose EPIC within the XML Style Sheet. **2**
5. Click the Browse button **3** to navigate to the file directory pathway defined by your IT Administrator.
6. Save to close the navigation window.
7. Next, select Check Connection.
8. Upon receipt of "connection is successful", click SAVE.
9. Finally, launch a study in 4DM to trigger the XML export between 4DM and EPIC.
10. Once the image interpretation is completed within the 4DM workflow, select the XML Export button to transfer values to EPIC.



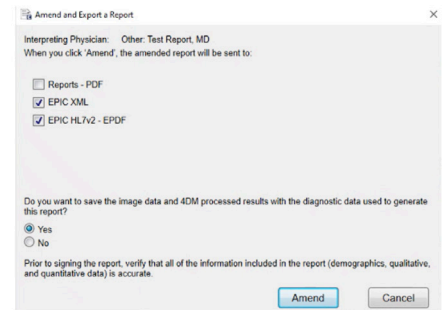
HOW TO USE THE 4DM → EPIC INTIGRATION

HL7v2-ePDF

To send patient reports once this integration is configured, you can select the HL7v2 option when the report is 'finalized' within the reports module.

HL7v2-rPDF

To send a patient report link once this integration is configured, you can select the HL7v2 option when the report is 'finalized' within the reports module.



EPIC XML

To send patient discrete data once this integration is configured, select the XML Export option from the lower left side of the screen.

