

Submitting XML Incident(Event) Files to MATRIS

Login to <https://matris.dph.state.ma.us> with your ID/PW.

If you forget your password select “Click here if you forgot your password” and enter your email address.

In the upper left select

Data Exchange

NHTSA/NISE 2.2.1 XML Data Exchange

Getting Started	Page down to <u>Resource Links</u> for the code value lists of destinations, medications, procedures, prior aid and medical/surgical history.
Testing Utility	Can be used to test files and resolve problems.
Import XML File	Use this to submit the file exported from your ePCR.

Once you have submitted the file in the Import XML File section you need to check that it is processing correctly.

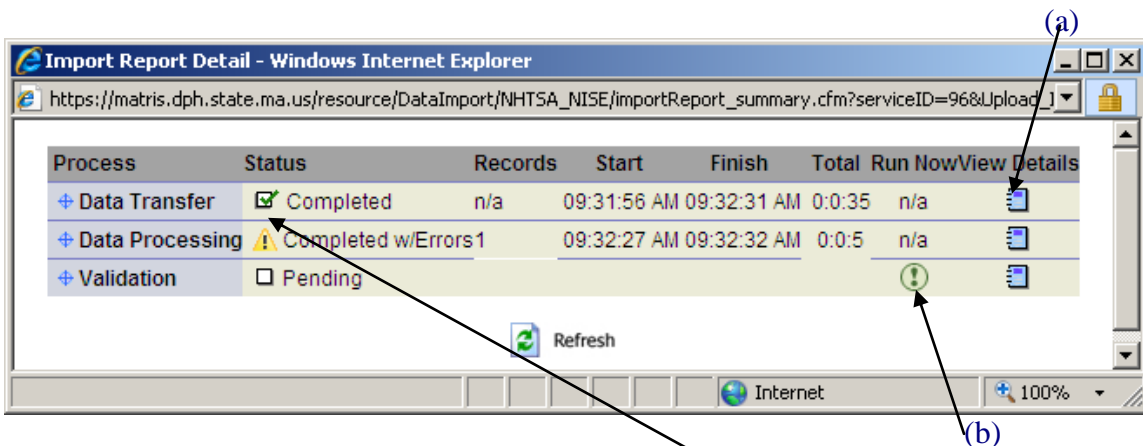
Select the **Modules -> Reports -> Data Transfer History**

The screenshot shows the MATRIS Service Bridge interface. The main content area displays the 'Data Transfer History' report. The report includes a legend: a green checkmark for 'Completed', a yellow triangle with an exclamation mark for 'Completed w/ Errors', a white square for 'Pending', and a red square with an 'X' for 'Incomplete'. The report table has the following columns: Uploaded Date, Utility, Total Records Found in File, Total Records Imported, User, Imported File, and Status. The Status column includes sub-columns for Import, Update, and Validate. The first row of the table is highlighted and contains a purple clock icon in the 'Status' column, indicating it is a file that is either completed or completed with errors.

Select the purple clock next to the file.

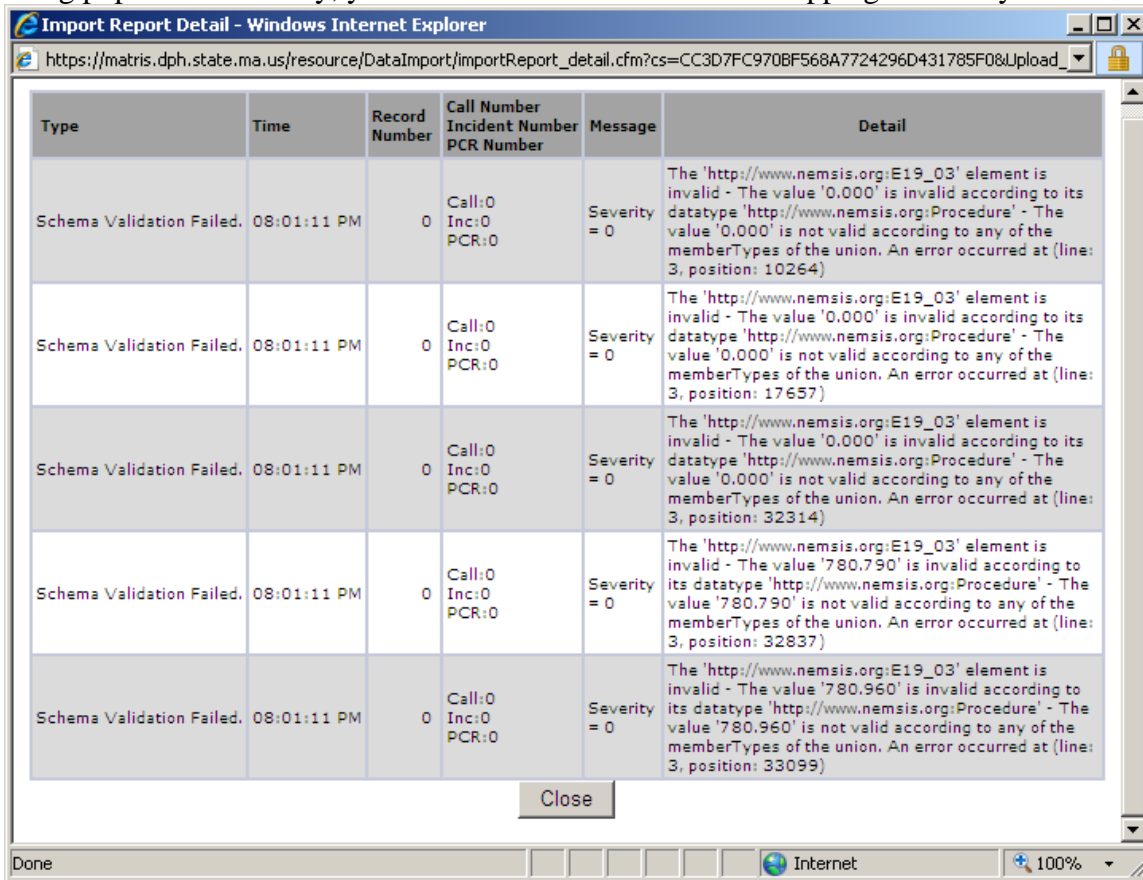
This window will display. When you first submit the file line 1, **Data Transfer** will be completed or Completed with Errors. If it completes with Errors click on the “View Details” (a) blue page icon on the right.

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If it completes successfully Status will have the green check mark.
 The same rules apply to the **Data Processing** Step.

Sometimes a step will error causing the next step not to run, but will not show the yellow caution sign, click on the **View Details** for the first step to see the issue.
 The Details page displays information about the errors for all steps, some of them are obvious but often not. In the example below E19_03 which is Procedure Code, is not being populated correctly, your vendor needs to correct the mapping or teach you how.



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If you need help interpreting the results send an email to the Matrissupport@state.ma.us mailbox or anyone on the MATRIS team. You can also submit to ImageTrend at tickets@imagnetrend.com

Common errors in the Data Transfer and Data Processing steps include:

Error	Solution
Using the wrong Agency ID	You can find your ID under Service Setup.
Bad codes for Procedures (E19_03), Medication Given(E18_03) or other elements	Contact your ePCR vendor, probably a mapping error. Procedures can be ICD9 codes, see the NEMESIS V2.2.1 data dictionary at http://www.nemesis.org/v2/downloads/datasetDictionaries.html or the MATRIS data dictionary at www.mass.gov/dph/oems/matris for the valid values. You can also use the NISE codes for these which you can find in Data Exchange, NHTSA/NISE 2.2.1
Bad FIPS codes in addresses	Look up correct code on www.NEMESIS.ORG under Version 2, Downloads

The **Validation** step runs every 4 -6 hours so you can check the results later or you can force it to run immediately by clicking on the **green** exclamation point under **Run Now (b)**. If this step does not complete with 24 hours please contact the MATRIS support team.

If you open up a single run under the tab **Incidents -> Run History** it will also calculate the validation score upon opening and you can view the detailed validation errors. For more information on this, please refer to the document posted on the MATRIS landing page for instructions on how to review and correct them, [Validation Score Review Instructions](#) - posted 5/11/2011

Data Quality Report

For each file successfully processed there will be a Data Quality Report generated. This can be accessed under **Data Transfer History** by clicking on the icon to the right of the file entry line under the column “Data Quality Report”.

Data Transfer History
 = Completed = Completed w/ Errors = Pending = Incomplete

Uploaded Date	Utility	Total Records Found in File	Total Records Imported	User	Imported File	Status			Data Quality Report
						Import	Update	Validation	
02/01/16 11:01 AM	XML 2.0	102	102		NEMESISimport.xml				
02/01/16 10:46 AM	XML 2.0	351	351		NEMESISimport.xml				
02/01/16 09:08 AM	XML 2.0	292	292		NEMESISimport.xml				
02/01/16 09:08 AM	XML 2.0	600	600		NEMESISimport.xml				
01/29/16 11:16 AM	XML 2.0	454	454		NEMESISimport.xml				
01/28/16 02:04 PM	XML 2.0	231	231		NEMESISimport.xml				
01/28/16 01:48 PM	XML 2.0	497	497		NEMESISimport.xml				
01/28/16 01:37 PM	XML 2.0	76	76		NEMESISimport.xml				
01/28/16 01:37 PM	XML 2.0	600	600		NEMESISimport.xml				

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Data Quality Report - Mozilla Firefox
https://matris.dph.state.ma.us/resource/intranet/reports/Data_Quality_report.cfm?uploadID=113913

Data Quality Report
 Report Printed On: 02/09/2016

Report Summary

Primary Service: ██████████ User: ██████████ Date Uploaded: 02/01/16 11:01:31 AM Software Vendor: ██████████ Total Records in File: 102 Records Imported: 102	Avg Validity for Imported Data: 96 Records Valid (80-100): 100 Records Valid (60-79): 2 Records Valid (40-59): 0 Records Valid (0-39): 0 Your Avg Validity for last 90 days: 94 System Avg Validity for last 90 days: 85
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System Validation Issues

Validation Error	Count
Leave Scene date/time (E05_09) is missing when not canceled	8
Patient's Home City (E06_05) is missing when Disposition(E20_10) is Treated	7
Patient's Home State (E06_07) is missing when Disposition(E20_10) is Treated	7
Destination Code(E20_02) is missing when Treated and Transported by EMS	4
Duration of Chief Complaint (E09_06) is missing when Disposition is Treated(E20_10) and Type of Service Requested (E02_04) is not Medical Transport or Interfacility Transfer	3
Minimum of 2 Crew Members (E04_01) required if Primary Role of Unit(E02_05) is Transport, 1 if Non-Transport, Supervisor or Rescue	3
Time Units of Duration of Chief Complaint (E09_07) is missing when Disposition is Treated(E20_10) and Type of Service Requested (E02_04) is not Medical Transport or Interfacility Transfer	3
Leave Scene date/time (E05_09) can not be before Arrived Patient date/time (E05_07)	2
Cardiac Arrest Etiology (E11_02) is missing or null when Cardiac Arrest (E11_01) is Yes	1
Incident City (E08_12) is missing	1
Incident State (E08_14) is missing	1
Patient's Home Address (E06_04) is missing when Disposition(E20_10) is Treated.	1
Possible Injury (E09_04) Must be Yes when Primary Impression(E09_15) = Traumatic Injury	1

The Count column is the number of runs with that validation error, sorted by highest to lowest. Most of these can be resolved by contacting your ePCR vendor.

Demographics Data

Note: MATRIS does not currently allow for import of demographics data, this must be entered manually by the service and amended as necessary, typically once a year.