

## Introduction

This page contains information on many of the tools currently available or under development for use with Dataset-XML files. Dataset-XML is a new CDISC XML Technologies standard developed as a data transport format for representing SDTM, SEND, ADaM, and legacy datasets. Dataset-XML functions as an alternative to SAS Version 5 Transport (XPT) for the transmission of datasets. More information can be found on this standard at the [CDISC web site](#).

## Dataset-XML Tool Summary

| Name                           | Description   | Provided By                                     | Links  |
|--------------------------------|---|---|--|
| XPT2Dataset XML                | <ul style="list-style-type: none"><li>Transforms XPT datasets into Dataset-XML datasets</li><li>Freely available</li></ul>  | XML4Pharma                                      | <ul style="list-style-type: none"><li>Available under the <a href="#">Smart SDS-XML View project on source forge</a></li></ul>   |
| Smart Dataset-XML Viewer       | <ul style="list-style-type: none"><li>Similar to the SAS Viewer, but with additional functionality</li><li>Supports working with Define-XML + Dataset-XML files</li><li>Supports SDTM, SEND, and ADaM data</li><li>Basic validation</li><li>Open source</li></ul>   | Univ. Appl. Sciences FH Joanneum Graz - eHealth | <ul style="list-style-type: none"><li>The application and tutorial is available under the <a href="#">Smart SDS-XML View project on source forge</a></li><li><a href="#">Youtube video on the Smart Dataset-XML Viewer</a></li></ul> |
| EZ Convert                     | <ul style="list-style-type: none"><li>Converts Dataset-XML files into SAS datasets</li><li>Supports Define-XML Version 1 or Version 2</li><li>Open Source</li></ul>   | <a href="#">Sally Cassells</a>                  | <ul style="list-style-type: none"><li><a href="#">EZConvert Demonstration video</a></li><li><a href="#">Beta version of EZConvert</a></li></ul>  |
| SAS Clinical Standards Toolkit | <ul style="list-style-type: none"><li>Dataset-XML support (writing/reading/validation) will be part of the next release of SAS<sup>®</sup> Clinical Standards Toolkit. Updated information will be published at the SAS web site.</li><li>Support for Dataset-XML is available as a pre-production package that contains SAS macros, XML schema files, sample data, and sample programs to support the following functionality:<ul style="list-style-type: none"><li>Creating Dataset-XML files from SAS data sets</li><li>Creating SAS data sets from Dataset-XML files</li><li>Validating Dataset-XML files against an XML schema</li><li>Comparing original SAS data sets with SAS data sets created from Dataset-XML files</li></ul></li><li>These macros are standalone and do not require SAS<sup>®</sup> Clinical Standards Toolkit.</li></ul> | SAS Institute Inc.                              | <ul style="list-style-type: none"><li><a href="#">SAS Clinical Standards Toolkit</a></li><li><a href="#">SAS Macros to support Dataset-XML v1.0.0</a></li></ul>  |
| OpenCDISC v1.5                 | <ul style="list-style-type: none"><li>OpenCDISC v1.5 works with Dataset-XML files and Define-XML v2.0</li></ul>   | OpenCDISC                                       | <ul style="list-style-type: none"><li><a href="#">OpenCDISC.org</a></li></ul>  |
| R4CDISC                        | <ul style="list-style-type: none"><li>R4CDISC package includes functions for reading Dataset-XML and Define-XML files.</li></ul>  | Ippei Akiya                                     | <ul style="list-style-type: none"><li><a href="#">CRAN project page with downloads</a></li><li><a href="#">Reference manual</a></li></ul>  |

## Dataset-XML Test Datasets

The following attached .zip files contain Dataset-XML datasets and a Define-XML file created by xml4pharma from the LZTZ test datasets.

[Files\\_from\\_LZZT\\_Pilot\\_2013\\_Dataset-XML\\_OK.zip](#)

[Files\\_from\\_LZZT\\_Pilot\\_2013\\_Dataset-XML\\_with\\_errors.zip](#)

The following attached .zip file contains Dataset-XML datasets and a Define-XML file (including its HTML rendition) created by [Marcelina Hungria](#). These Dataset-XML example files were created from the original SAS XPT files published in the SDTM-MSG V1. The example files are also part of the Dataset-XML 1.0 release package.

[ExampleFromSDTM-MSG-V1.zip](#)