Tobacco Implementation Guide (TIG) eSubmission Pilot

Informational and Call for Volunteers Webinar

Christine Connolly, Head of Standards Projects, CDISC Chrissie Cai, Center for Tobacco Products, FDA 16 January 2025, 11am - 12:30pm EST



Agenda

- What is the Tobacco Implementation Guide (TIG)?
- TIG eSubmission Pilot Project
- Call for Volunteers
- Questions & Answers Session

What is the Tobacco Implementation Guide (TIG)?

About FDA Center for Tobacco Products (CTP)

Vision

To make tobacco-related death and disease part of our nation's past by ensuring a healthier future and advancing health equity for those living in the United Sates.

Mission

To protect the public health of the U.S. population from tobacco-related death and disease by comprehensively regulating the manufacture, distribution, and marketing of tobacco products; educating the public, especially youth, about the dangers of using tobacco products; and promoting and supporting strategies that ensure an equitable chance at living a healthier life for everyone.





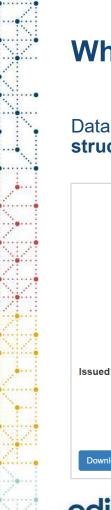
About CDISC

CDISC is a global, nonprofit standards development organization (SDO).

- Founded in 2000 (www.cdisc.org)
- Freely available research data standards
- Consensus-based development process

- Supporting research world-wide (e.g., Americas, Europe, Japan, China, India, Korea, other regions)
- Standards downloaded in 90+ countries





What is a data standard?

Data standards provide a consistent general framework on how a particular type of data should be structured, defined, formatted, or exchanged between computer systems.

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Final Level 2 Guidance											
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by:	Center for Center for Human Fo	for Biologics Evaluation and Research for Devices and Radiological Health for Drug Evaluation and Research Poods Program for Veterinary Medicine									
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- There are standards for everything, from how blood pressure is collected to how regulatory materials are submitted electronically to FDA.
- Only some standards are required by FDA. See the FDA Data Standards Catalog (located on the Study Data Standard's Resources page) for a list of standards currently supported or required.

https://www.fda.gov/regulatory-information/search-fda-guidance-documents/data-standards-catalog



Downl

Tobacco Implementation Guide (TIG)

Tobacco Implementation Guide (TIG) v1.0 standards are:

- The culmination of a collaborative project commenced by CTP and CDISC in 2021
 - Undertaken by FDA-CTP, CDISC, and industry stakeholders
- Designed to support the CTP Data Standards Strategy with standards to facilitate tobacco research, scientific review, harm reduction, and information exchange
- Non-proprietary, consensus-based, vendor-neutral, platform-independent submission data standards for tobacco product data published and freely available as of June 2024

https://www.cdisc.org/standards/foundational/tobacco-implementation-guide/tobacco-implementation-guide-v1-0



Tobacco Implementation Guide (TIG) v1.0

The TIG guides the use of CDISC standards and resources for the organization, structure, and format of tobacco product data.

The TIG describes how to use CDISC standards for the:

- Collection
- Representation; and
- Exchange of tobacco product data
- · With examples to demonstrate intended use

The goal is FAIR data.

• Findable, Accessible, Interoperable, and Reusable



Tobacco Implementation Guide

Version 1.0 (Final)

Developed by the CDISC Tobacco Implementation Guide Team

Notes to Readers

The Tobacco Implementation Guide Version 1.0 has been prepared with support from the US Food and Drug Administration Center for Tobacco Products using the CDISC standards development process. This document is a CDISC foundational standard that is a single, stand-alone, comprehensive implementation guide for tobacco product data submissions.

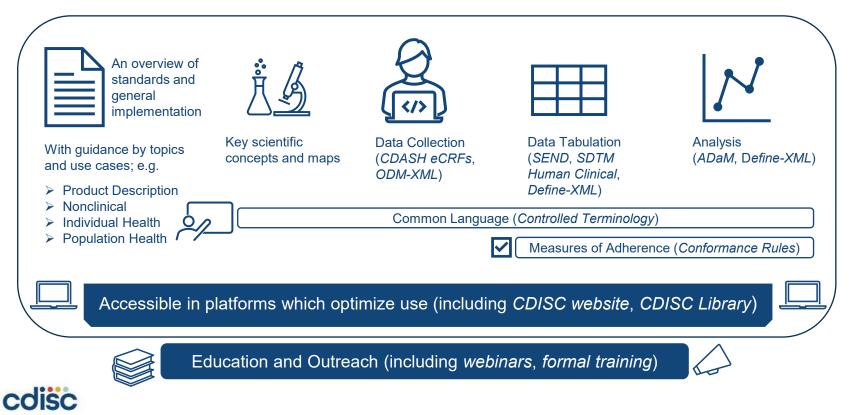
This document provides guidance for

- collection of data with case report forms using the Clinical Data Acquisition Standards Harmonization Model (Version 1.2),
- tabulation of data using the Study Data Tabulation Model (Version 2.1), and
- creation of analysis datasets using the Analysis Data Model (Version 2.1), with
- references to additional CDISC standards and resources to support implementation.



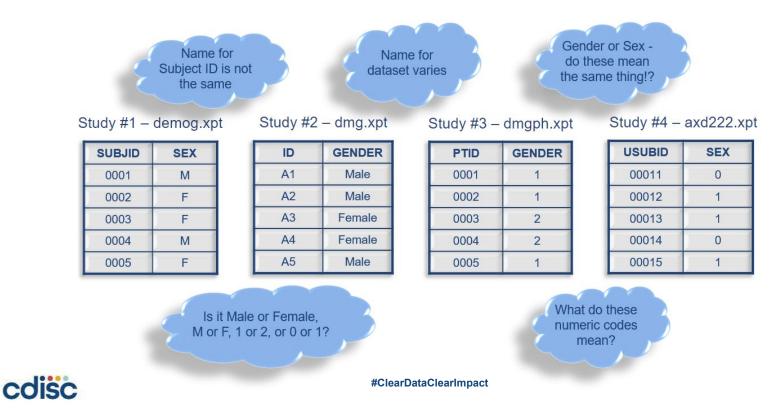
Tobacco Implementation Guide (TIG) v1.0

A single, comprehensive implementation guide designed for use cases unique to tobacco studies



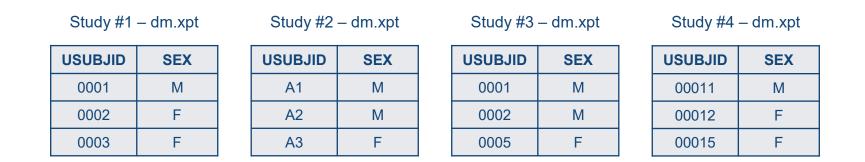
The Challenge

Data variability that is <u>not</u> based on science.



Tobacco Implementation Guide (TIG) v1.0

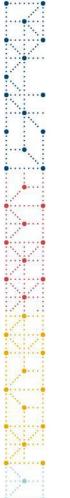
Without unnecessary variability, science is the focus.



- The tables above represent TIG v1.0 standardized demographic data for four different studies.
- Data are structured, defined, and formatted consistently, ready for sharing and use.



TIG eSubmission Pilot Project



Project Basics

What

• This project is a continuation of the collaboration formed to develop the TIG v1.0 with the goal to support adoption and stakeholder realization of efficiencies.

How

• This project enables standards adoption and efficiencies through hands-on experience and subject matter expert support.

When

• Two years, 2024 June through 2026 June

Who

• CDISC will engage FDA CTP, tobacco industry subject matter experts, and other relevant stakeholders through project duration



Stakeholder Adoption & Efficiencies Through Hands-on Experience



Initiate

 Adopt TIG data standards through electronic submission experience



Educate

 Educate for consistent use of standards for submissions to CTP



Future State

 Develop a framework for long-term collaboration and support



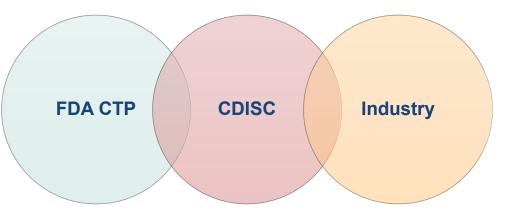


Community Benefit

A standing volunteer team will be formed support, manage, and refine TIG standards over time.

- Comprised of FDA CTP, tobacco industry, and CDISC subject matter experts,
- To act as a support forum for industry applicants and FDA CTP reviewers; and
- To continue after project close for future TIG standards direction and development.

CDISC Tobacco Implementation Guide (TIG) Team







Community Benefit

This project gives participants the ability to:



Practice eSubmisson of standardized data with support and training



Design education resources to address community needs



Build a shared framework for long-term collaboration post project



#ClearDataClearImpact

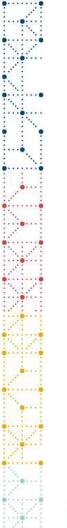


Participation

This is a **dynamic and collaborative** project to pilot the TIG v1.0 together!

Requirements Industry members must actively adopt TIG v1.0 standards within their organizations during the project adoption and stakeholder realization of efficiencies CTP and industry team members must complete the TIG online education curriculum at the project's start Engagement Please participate actively, Communicate openly, and; Drive this project per your expertise and organizational needs





Participation

Our focus is stakeholder **adoption and efficiencies**, <u>not</u> actual product submissions.

Expectations Data and supporting information shared as part of this project will not be used by FDA CTP for regulatory purposes.

Participants will not receive study or product related feedback from FDA CTP for shared data and supporting information.

Participation in this project and related data entry will not have any bearing on current and future regulatory decisions.

Data entry and related information shared as part of this project does not constitute a cross referenceable document for future regulatory product submission.





Project Aims

Initiate -

Educate -

Future State -

 Begin stakeholder adoption and further refinement of TIG v1.0 standards for submissions to FDA CTP via an electronic submission (eSubmission) pilot

• Provide and create educational content to promote understanding of the value of data standards in research and to support consistent implementation of TIG v1.0 standards for submissions to FDA CTP

• Develop a documented framework for long-term collaboration, support, and refinements to TIG v1.0 standards for subsequent eSubmissions and other data standardization needs

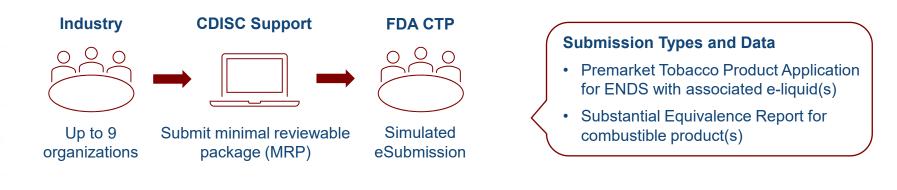


TIG eSubmission Pilot Project

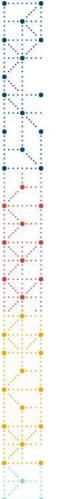
Initiate

Adopt TIG standards through eSubmission experience

- Industry application of TIG v1.0 standards in the context of an eSubmission to CTP
- CTP receipt and processing of standardized data as part of an eSubmission
- CTP reviewer understanding of standardized data in a way that facilitates of product review







Standards Adoption and Refinement

This project will focus on adoption of the:

- Tobacco Implementation Guide (TIG) v1.0
- TIG Conformance Rules v1.0
- CDISC Controlled Terminology

Draft standards for project use may developed if gaps are identified and will be considered for publication in future versions of the TIG.

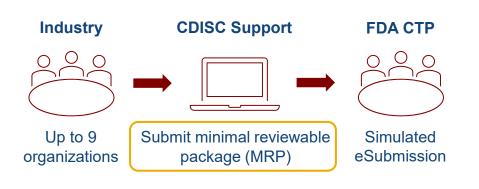
Gaps may also be addressed through education.

<u>https://www.cdisc.org/standards/foundational/tobacco-implementation-guide/tobacco-implementation-guide-v1-0</u>

https://www.cdisc.org/standards/terminology/controlled-terminology



Minimal Reviewable Package (MRP)



The MRP is comprised of:

ed of:

Data must be a reasonable facsimile of actual data and contribute to a reasonable representation of a hypothetical product

- Deidentified actual and/or dummy data
- In datasets standardized per the TIG v1.0 in SAS V5 Open Transport format
- With a summary of content within and across datasets



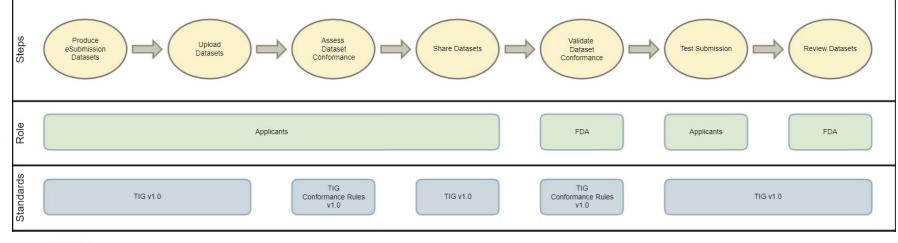


Conformance

Dataset conformance to TIG v1.0 standards will be assessed:

- Using TIG Conformance Rules v1.0
- An instance of the CDISC Open Rules Engine (CORE)

Simulated eSubmission Workflow





TIG eSubmission Pilot Project

Educate

Educate for consistent use of standards for submissions to CTP

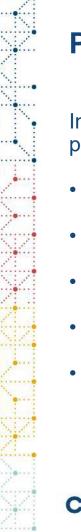
- Promote community awareness and adoption of TIG v1.0 resources, and project progress
- Support consistent implementation of standards
- Enable use of applicable CDISC tools, technology, platforms, and tools by standards implementers





A minimum set of education resources is already planned to support simulated eSubmission and adoption. Additional resources will be developed to support adoption based on needs.





Planned Education Resources

In additional to the full CDISC TIG online education curriculum, resources will be provided for the following topics:

- Controlled Terminology
- CDISC Library
- CDISC Open-Source Alliance (COSA)
- Conformance Rules
- FDA Reviewer Training



TIG eSubmission Pilot Project

Future State

Develop a framework for long-term collaboration and support

- White paper to summarize experience with learnings and recommendations
- Framework to guide steps for long-term collaboration, support, and enhancements to standards

The white paper and long-term framework are intended as a foundation for future CTP, CDISC, and/or industry guidance. FDA CTP, Industry, & CDISC





White Paper and Framework Development

The white paper and framework will be informed by the following reviewed and organized into key learnings and themes:

- All team member feedback and resolutions
- Draft standards developed to support stakeholder adoption
- Conformance rules findings
- Education developed to support stakeholder adoption

Additional topics may also be explored including:

- Machine-readable data dictionaries (i.e., CDISC Define-XML)
- CDISC Dataset-JSON formatted datasets





Project Work The CDISC Tobacco Implementation Guide (TIG) Team will address aims in tandem over project duration. Initiate Adoption through eSubmission Experience

Up to 9 organizations

Submit minimal reviewable package (MRP)



Simulated eSubmission

Future State for Collaboration





Framework

Educate for Adoption of Standards



All comers!

Develop and access

Community resources





Project Work and Timelines

The TIG eSubmission Pilot Project is in progress!



With planning and development work to support upcoming activities





Project Scoping

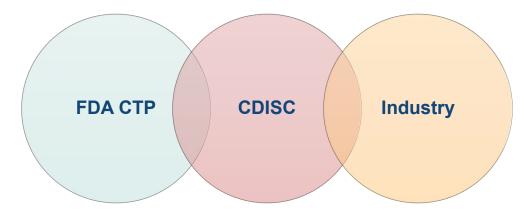
Project activities began with a collaborative scoping exercise undertaken by CTP and CDISC to identify:

- Basic regulatory expectations for use of TIG v1.0 standards for simulated eSubmission
- Submission types and supporting data needed for piloting
- A basic subset of corresponding TIG v1.0 standards and conformance rules to be implemented for piloting

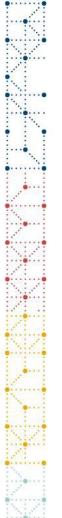


CDISC Tobacco Implementation Guide (TIG) Team Kick-off

- Our Kick-off meeting is planned for **early February**.
- Current volunteers will receive a poll this week to support scheduling.
- It is never too late to volunteer; new volunteers will be onboarded.





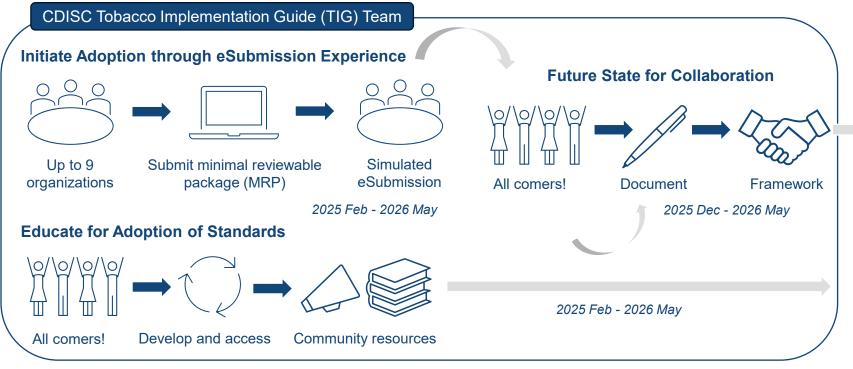


What comes next?

Feb 2025 – May 2026	Initiate	Prepare for eSubmission			
101dy 2020		eSubmission and gap assessment			
		Develop resources as needed			
	Educate	Provide planned resources			
		Gap assessment			
		Develop resources as needed			
Dec 2025 –	Future State	Assess project learnings and theme			
May 2026		Develop and finalize framework			



TIG eSubmission Pilot Project



Enable standards adoption and realization of efficiencies through hands-on experience & support.



Call for Volunteers

CDISC Tobacco Implementation Guide (TIG) Team

The project team, operating as a full team and through two workstreams, will meet monthly to review strategy, progress, and findings, with additional weekly workstream meetings (up to one hour, plus two hours of prep).

Simulated eSubmission Workstream

 Up to nine industry organizations will apply TIG v1.0 standards in project-specific eSubmissions to CTP

Education Workstream

 Open to all adopters to strengthen CTP and industry knowledge and adoption of TIG v1.0 through focused educational content





How can I volunteer?

We invite you to participate as part of a multi-disciplinary team with membership from CTP, industry, and CDISC.

Sign-up through the CDISC Website

<u>https://www.cdisc.org/volunteer/form</u>

Reach out if you need help!

Email: Christine Connolly, cconnolly@cdisc.org





Follow Project Progress

Project progress will be shared with the community regardless of participation.

Current information will be available any time via the:

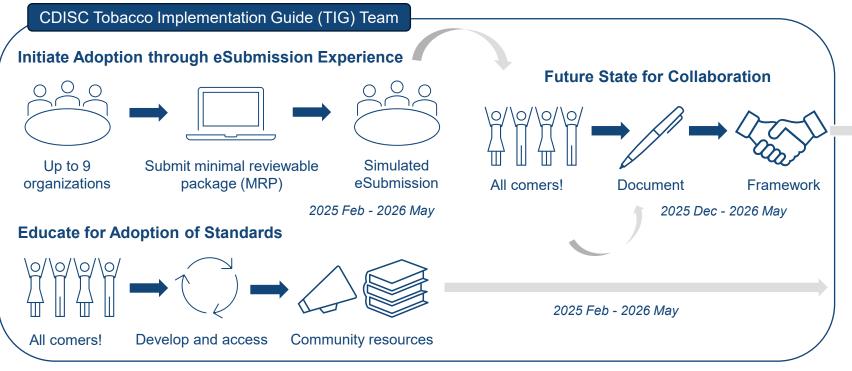
- CDISC website
 - https://www.cdisc.org/tig-esubmission-pilot
- CDISC TIG LinkedIn page
 - <u>https://www.linkedin.com/showcase/tobaccoimplementationguide</u>

Periodic in-person and virtual presentations via conferences, webinars, and workshops will be conducted to address community questions in real-time.





Please join us!



Enable standards adoption and realization of efficiencies through hands-on experience & support.



Questions & Answers Session

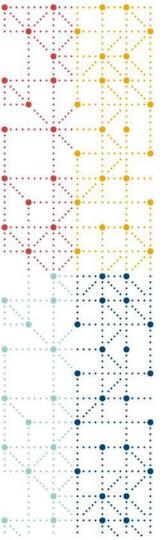


Audience Questions





#ClearDataClearImpact



Thank You!

