

Real World Data Overview

RWD Audit Readiness

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Real World Data Overview



Real World Data (RWD) Related Initiatives at TransCelerate



Health Authority Engagement*

Leveraging RWE use cases as a discussion mechanism with Health Authorities, develop a reliable, streamlined, & scalable approach for interactions with Heath Authorities to clarify regulatory requirements on RWE use to supplement or replace clinical trials.



Audit Readiness*

Engage with Health Authority & Data Service Providers to develop documentation that supports quality management (QA, QC, and audit) for RWD sources, resulting in an "Audit Readiness Considerations" tool targeting data relevance and reliability



Pragmatic Clinical Trials

Identify the current requirements and regulatory guidance that could be applied to PCTs and identify where guidance gaps are causing sponsor-specific challenges for pragmatic clinical trial conduct



Evaluate current practice and identify novel practice opportunities in using rapid non-protocolized RWD analyses to complement Safety Signal Assessment practice opportunities.



Clinical Trial Data Sharing

Control Arm substitution & complementary use of historical data as part of trial design & evidence package



Vulcan FHIR Accelerator**

A multi-stakeholder collaboration aligning clinical care and clinical research data at the point of collection to support the bidirectional flow of data through the development of the HL7® FHIR standard.



^{*} Initiatives part of this overview presentation

^{**}TransCelerate is an active member of Vulcan which operates up der HLZNC



Real World Data Audit Readiness Initiative Overview



TransCelerate's RWD Audit Readiness Initiative

Focus

Operationalize the thought leadership stemming from Duke Margolis/FDA and many others on the use of RWD in regulatory decision-making.

The team will leverage Health Authority and Data/Service Provider interactions to develop documentation that supports quality management (QA, QC, and audit) for RWD sources, resulting in an "Audit Readiness Tool" targeting data relevance and reliability.

Desired Outcomes







Build Trust

Reduce Barriers

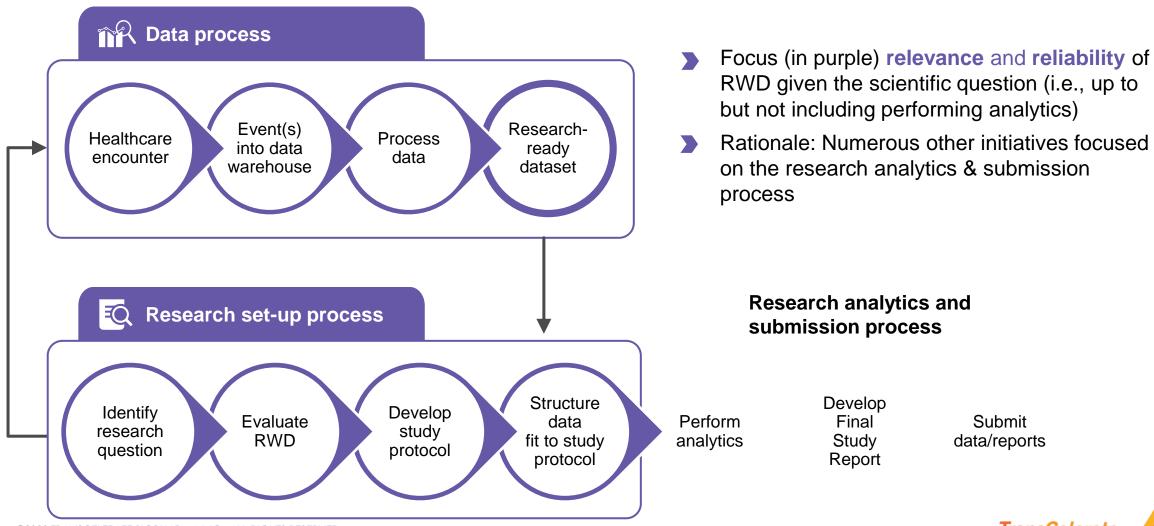
Demonstrate Fitfor-Purpose Use



The Audit Readiness
Considerations will help
operationalize best practices in order
to aid quality management oversight
of RWD, including inspection
readiness, in a manner suitable for
regulatory decision making.



Scope of RWD Audit Readiness Initiative





RWD Audit Readiness: Data/Service Provider Survey Background



Survey Intention

Help answer the question: 'what is feasible to include in an 'Audit Readiness Tool' targeting data relevance and reliability?' that could increase HAs confidence in using RWD for regulatory decision making*.



Survey Population

Data/Service Providers such as: Market Suppliers | EMRs / EHRs | Clinical Disease Registries | Qualified Clinical Data Registry Companies



Survey Sections

Organization Information | Point of View of Organizations | Representativeness | Accrual | Completeness | Accuracy | Provenance | Documentation | Audit Readiness Checklist

*Please note: The survey does not seek any specific documentation or examples of documentation, rather the goal is to assess what types of documentation would be available to share with clients/health authorities that could increase the health authorities' confidence in using RWD for regulatory decision-making.



Survey Insights from Data/Service Providers



RWD Audit Readiness Initiative

Focus

Operationalize the thought leadership stemming from **Duke Margolis/FDA** and many others on the use of RWD in regulatory decision-making.

The team will leverage Health Authority and Data/Service Provider interactions to identify potential documentation that supports quality management (QA, QC, and audit) for RWD sources, resulting in an "Audit Readiness Tool" targeting data relevance and reliability.

Deliverable

'Draft RWD Audit Readiness Considerations'*

What is it? This tool will help operationalize best practices to aid quality management oversight of RWD, including inspection readiness, in a manner suitable for regulatory decision making.

Benefits:

- ➤ A practical and usable approach to assess RWD sources as suitable and "fit-for-purpose" for the generation of RWE that could be used by health authorities, sponsors, and data service providers
- ➤ May assist researchers interested in using RWD for regulatory submissions. The overall goal of this list of considerations, when used in conjunction with published guidance documents from regulatory agencies and other groups of experts, is to help provide insights into what factors and circumstances may affect a Health Authority's willingness to accept and use RWD as a basis for regulatory decision-making in the drug approval process.

RELEVANCE

ACCRUAL

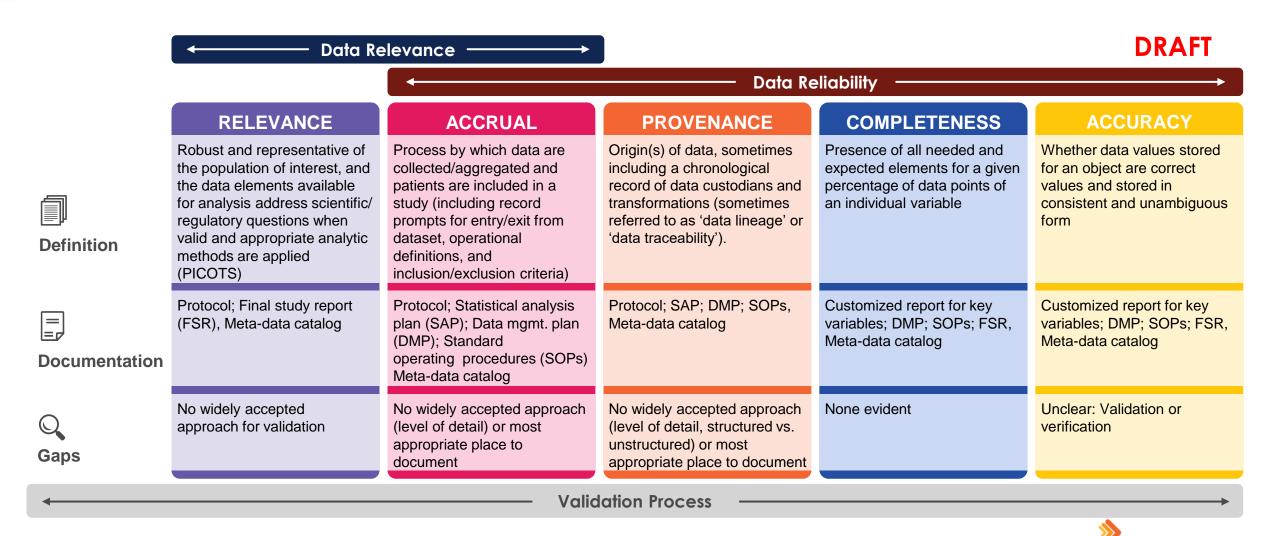
PROVENANCE

COMPLETENESS

ACCURACY



RWD Audit Readiness Initiative: Landscape Assessment Insights Framework



^{*} Insights gathered from targeted literature review, including the following sources: Daniel et al. Characterizing RWD Quality and Relevancy for Regulatory Purposes. Oct 2018; Franklin et al. Evaluating the use of nonrandomized real-world data analyses for regulatory decision making. Clin Pharmacol Ther 2019;105:867; Kahn et al. A Harmonized Data Quality Assessment Terminology and Framework for the Secondary Use of Electronic Health Record Data. Egems 2016;4:1244; Mahendraratnam et al. Determining Real-World Data's Fitness for Use and the Role of Reliability. Sep 2019; US FDA. Framework for FDA's Real-World Evidence Program. Dec 2018; Data Quality Framework for regulatory purposes. September 2021

Draft RWD Audit Readiness Considerations* Example

PROVENANCE Purpose Describe the source dataset metadata and audit trail Shows how, why, when and by whom data system for each original data source: may have been changed or updated and is □ Was data collection done as a matter of routine thought to be a fundamental element of proving reliability. practice or is the data captured as part of a 'bespoke' program or process? ☐ What type of system does the data originate from (e.g., EHR, administrative data, registry, primary data collection, chart review, etc.)? What information was collected, how was information coded/recorded, who performed collection or how (e.g., digital health tech)? □ Were there changes to data collection over time? Are the audit trails/metadata complete? i.e., do they fulfill the minimum ALCOA+ criteria? Are the audit trails/metadata viewable/accessible? Can the information be changed?



Draft RWD Audit Readiness Considerations* Website

TOOLS TO CONSIDER WHEN ENGAGING HEALTH AUTHORITIES

CONSIDERATIONS FOR DATA RELEVANCE AND RELIABILITY

CONSIDERATIONS FOR DATA RELEVANCE AND RELIABILITY

The RWD Audit Readiness Initiative drafted a functional list of key considerations of RWD quality that can assist researchers interested in using RWD for regulatory submissions. The overall goal of this list of considerations, when used in conjunction with published guidance documents from regulatory agencies and other groups of experts, is to help provide insights into what factors and circumstances may affect a Health Authority's willingness to accept and use RWD as a basis for regulatory decision-making in the drug approval process.

Preview the draft RWD Audit Readiness Considerations Document*.

Public review period closed February 17, 2023. Should you have any questions please contact feedback@transceleratebiopharmainc.com and put RWD Audit Readiness in the subject line.

*TransCelerate released this document as a draft. Deliverable is still in progress.

https://www.transceleratebiopharmainc.com/assets/real-world-data-solutions/#audit-readiness





THANK YOU

