

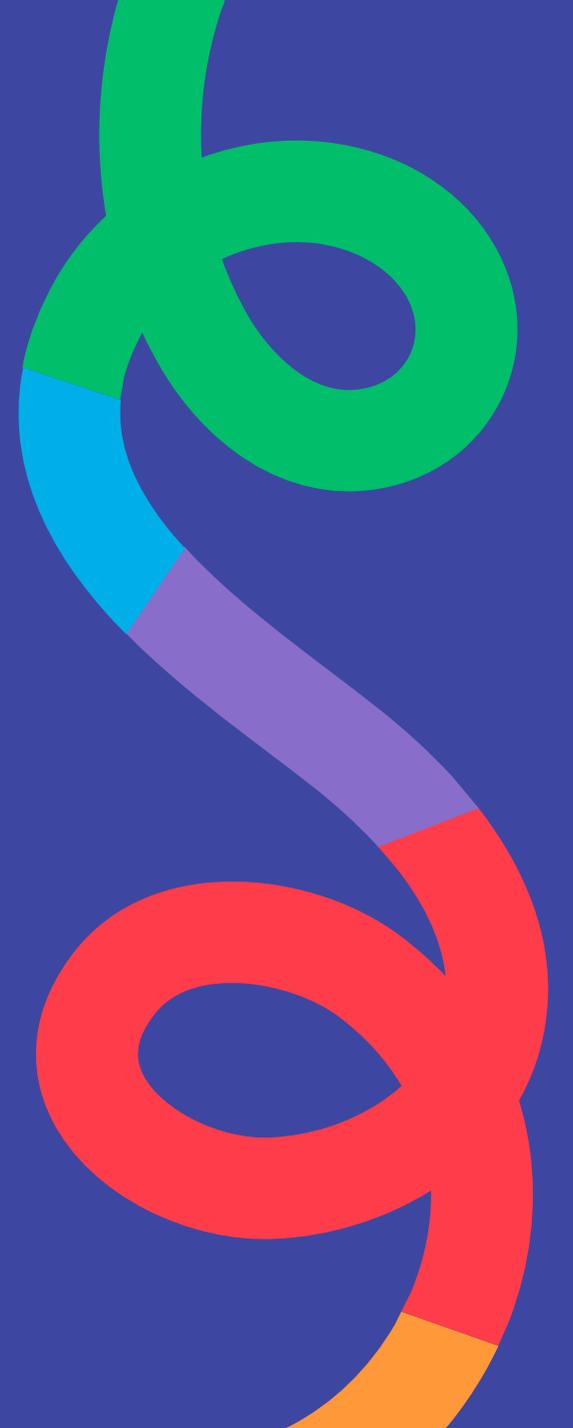


OHDSI CDM WORKING GROUP GOALS, OBJECTIVES, AND AGREED UPDATES FOR CDM V5.5

Defining updates and objectives for CDM version 5.5

AGENDA ITEMS

- 2026 Objectives and Key Results for CDM WG
- Community Feedback and Decision Process for CDM v5.5
- Detailed Review of Candidate Additions to CDM v5.5
- Summary Table of Proposed Changes and Their Status
- Key Questions and Considerations for Working Groups





**2026
OBJECTIVES AND
KEY RESULTS
FOR CDM WG**



RELEASE OMOP CDM V5.5 WITH A FOCUSED, COMMUNITY-VALIDATED, AND TIME-BOUNDED PROCESS

Focused Release Approach

The release process is carefully focused to ensure efficient development and deployment of OMOP CDM v5.5.

Community Validation

The release is validated by the community to ensure quality and broad consensus on the OMOP CDM v5.5.

Time-Bounded Process

The release is bound by a clear timeline to maintain project momentum and timely delivery.



KEY RESULT 1: COLLECT STRUCTURED FEEDBACK ON V5.5 CANDIDATE PROPOSALS

Structured Feedback Collection

Gather structured and documented feedback on all v5.5 candidate proposals from key stakeholders.

Engagement with OHDSI Groups

Involve OHDSI Working Groups, Technical Advisory Board, and tool developers in the feedback process by mid-2026.

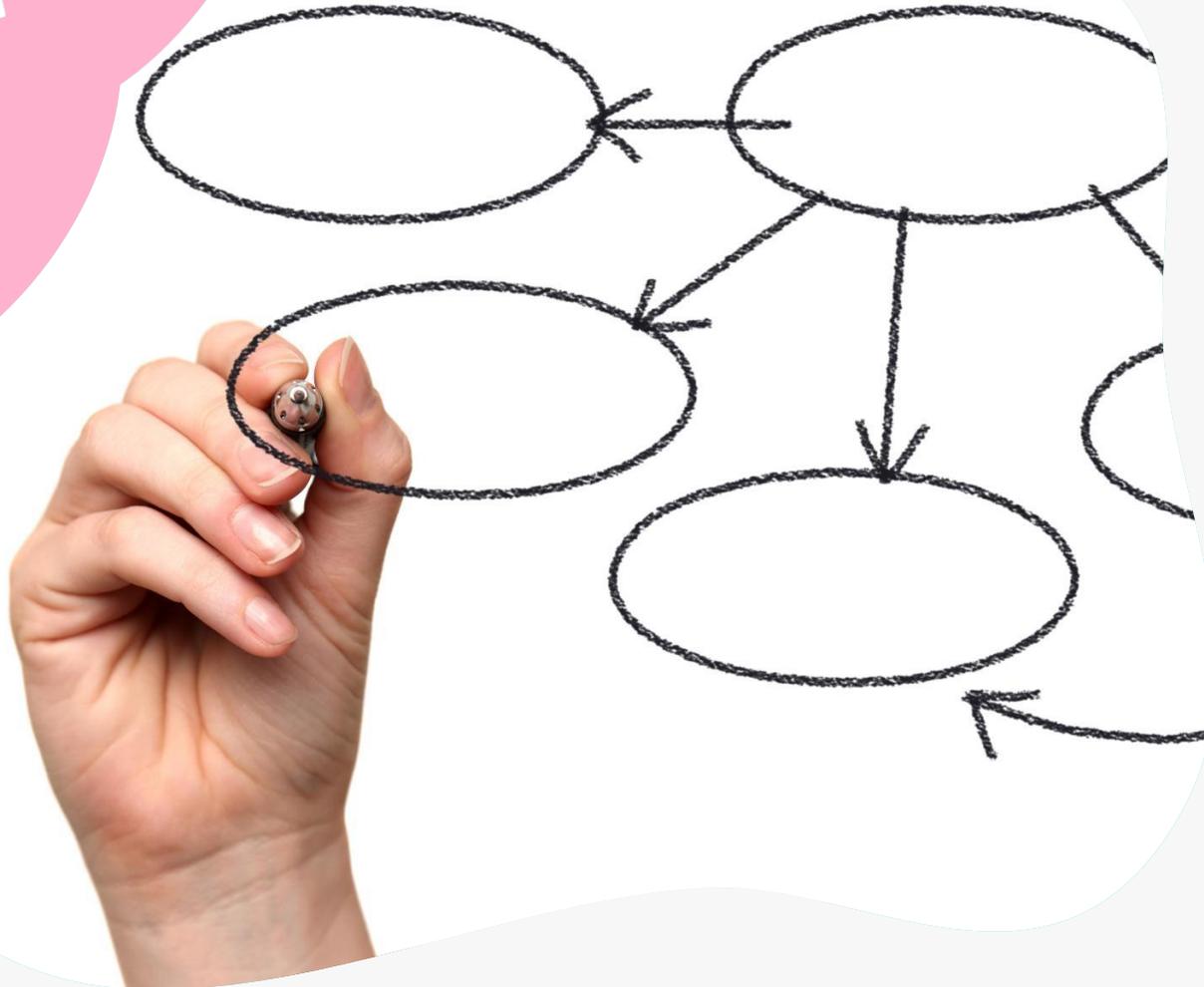
KEY RESULT 2: RESOLVE FEEDBACK INTO EXPLICIT DECISIONS (GO/MODIFY/DEFER)

Clear Decision Outcomes

Translate working group and developer feedback into explicit decisions for each proposal by mid-2026.

Decision Options Defined

Decisions include proceed as-is, modify proposals, or defer to future releases or extensions.



KEY RESULT 3: SHIP AND APPROVE CDM V5.5 RELEASE WITH UPDATED TOOLS AND DOCUMENTATION

Release Candidate Delivery

Deliver a candidate CDM v5.5 software release with updated tools and documentation.

Steering Committee Approval

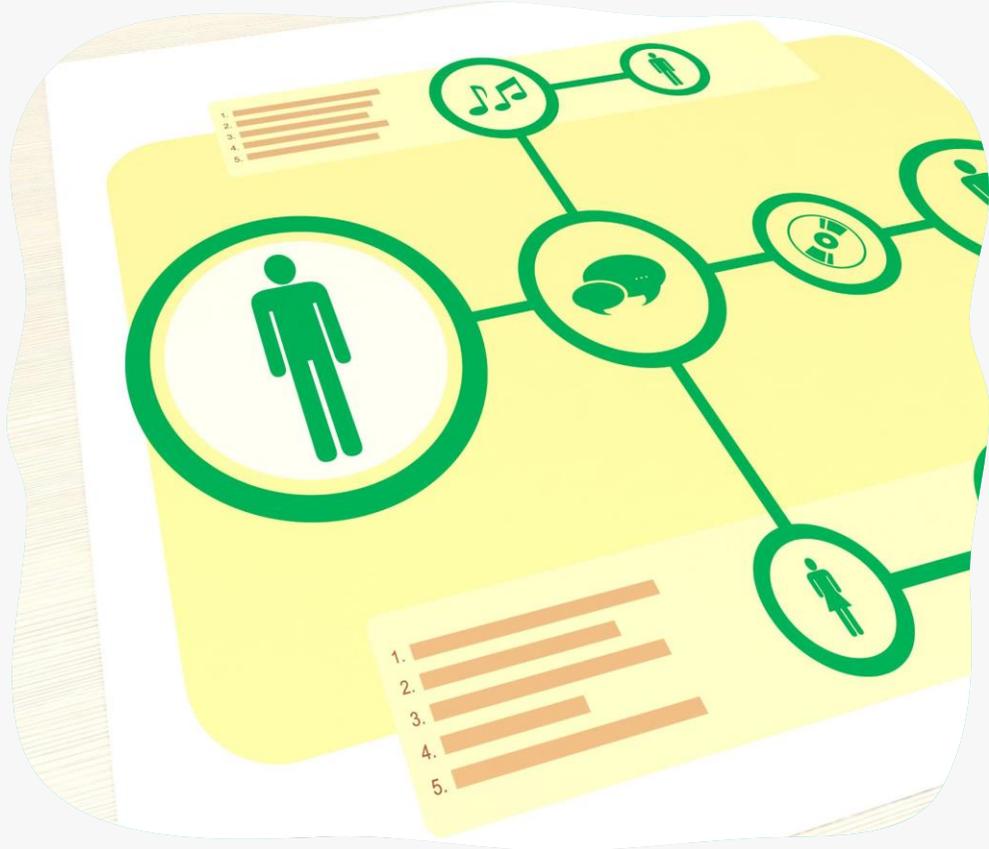
Obtain formal approval from the Steering Committee to finalize the CDM v5.5 release.

Migration Testing

Conduct comprehensive migration testing to ensure smooth transition to CDM v5.5.

Community Feedback Resolution

Summarize and resolve community feedback to improve the CDM v5.5 release quality.





**COMMUNITY
FEEDBACK AND
DECISION PROCESS
FOR CDM V5.5**

STRUCTURED FEEDBACK COLLECTION FROM OHDSI WORKING GROUPS AND STAKEHOLDERS

Objective of Feedback Collection

Aim to collect structured, documented feedback on all v5.5 candidate proposals from key OHDSI stakeholders by mid 2026.

Involved Stakeholders

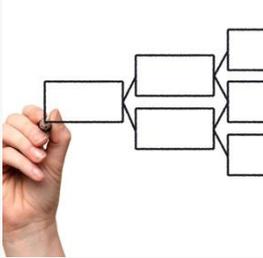
Engage OHDSI Working Groups, Technical Advisory Board, and core tool developers for comprehensive feedback.

Timeline for Feedback

Feedback collection scheduled between Q1 and Q2 of 2026 to ensure timely evaluation of proposals.



TRANSLATION OF FEEDBACK INTO CLEAR OUTCOMES FOR EACH PROPOSAL



Clear Decision Categories

Feedback is categorized into go, modify, or defer decisions to clarify next steps for proposals.



Timeline for Implementation

The goal is to complete translation of feedback into decisions by mid-2026, ensuring timely progress.



Stakeholder Engagement

Working group and developer feedback are integral to shaping explicit outcomes for each proposal.



**APPROVED/ NOT
APPROVED
CANDIDATE
ADDITIONS FOR CDM
V5.5**

OVERVIEW OF PROPOSED CHANGES AND THEIR ENDORSEMENT PROCESS

Endorsement and Approval

Proposals were endorsed at the 2025 OHDSI Symposium and approved for feedback by the Steering Committee, pending workgroup review.

Proposed Additions Overview

Five optional, non-breaking additions proposed for OMOP CDM version 5.5 aim to enhance functionality while maintaining compatibility.

Community Feedback Process

The CDM Working Group is collecting feedback from cross-community stakeholders to ensure broad input on proposed changes.



SUMMARY OF ITEMS NOT APPROVED FOR V5.5

Not Approved Items

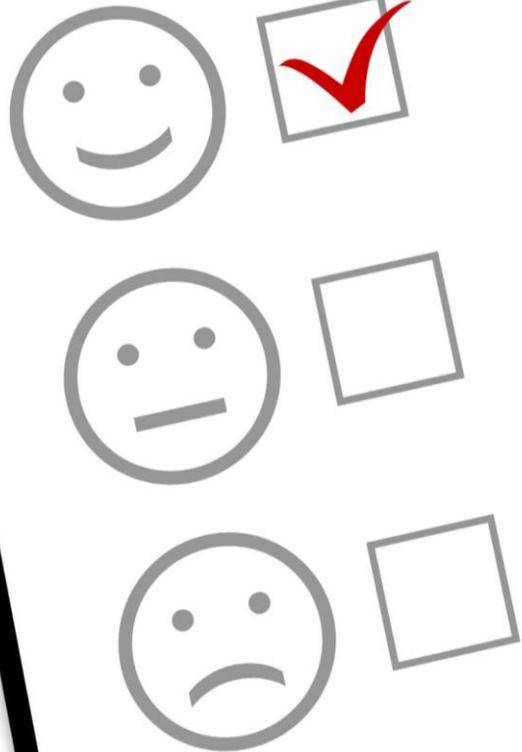
Several proposed changes were discussed but ultimately not approved for version 5.5 during the symposium.

Visit Occurrence Source Key

Proposal to add visit occurrence source key to VISIT_OCCURRENCE was voted down in the symposium.

Polymeric Keys in Procedure Occurrence

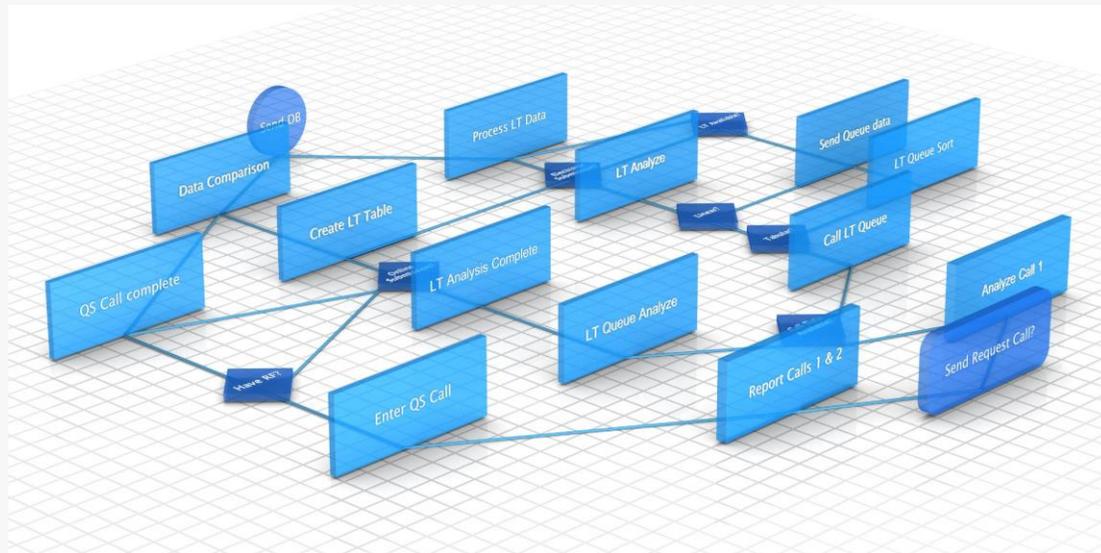
Adding polymeric keys to PROCEDURE_OCCURRENCE was proposed but not approved at the symposium.





**DETAILED REVIEW
OF CANDIDATE
ADDITIONS TO
CDM V5.5**

ADDITION OF VISIT_OCCURRENCE_ID AND VISIT_DETAIL_ID TO SPECIMEN TABLE



Purpose of Addition

Adding visit_occurrence_id and visit_detail_id links specimens to patient encounters for better data integration.

Benefits of Update

This update increases analytic usability and supports microbial and diagnostic workflows effectively.

Implementation Considerations

ETL processes require updates and two fields are added to a lightly used table, with low controversy.



ADDITION OF VALUE_AS_DATE TO OBSERVATION TABLE

Purpose of value_as_date

Allows storage of observation values as dates, supporting events like expected due dates or patient timelines.

Advantages

Fills a gap by supporting date values and enables richer clinical and contextual data including survey and temporal outcomes.

Challenges

Introduces complexity in observation conventions and requires thorough documentation to prevent misuse.

ADDITION OF PACK_CONTENT VOCABULARY REFERENCE TABLE



Purpose of PACK_CONTENT Table

The PACK_CONTENT table provides structured data on multi-drug packs, enhancing drug pack handling accuracy.



Advantages of PACK_CONTENT

Improves vocabulary transparency without affecting patient-level ETL processes, ensuring seamless integration.



Considerations and Challenges

Requires additional table management and tooling adjustments to properly handle the new vocabulary data.

ADDITION OF VOCABULARY METADATA TABLES: CONCEPT_METADATA & CONCEPT_RELATIONSHIP_METADATA

Purpose and Rationale

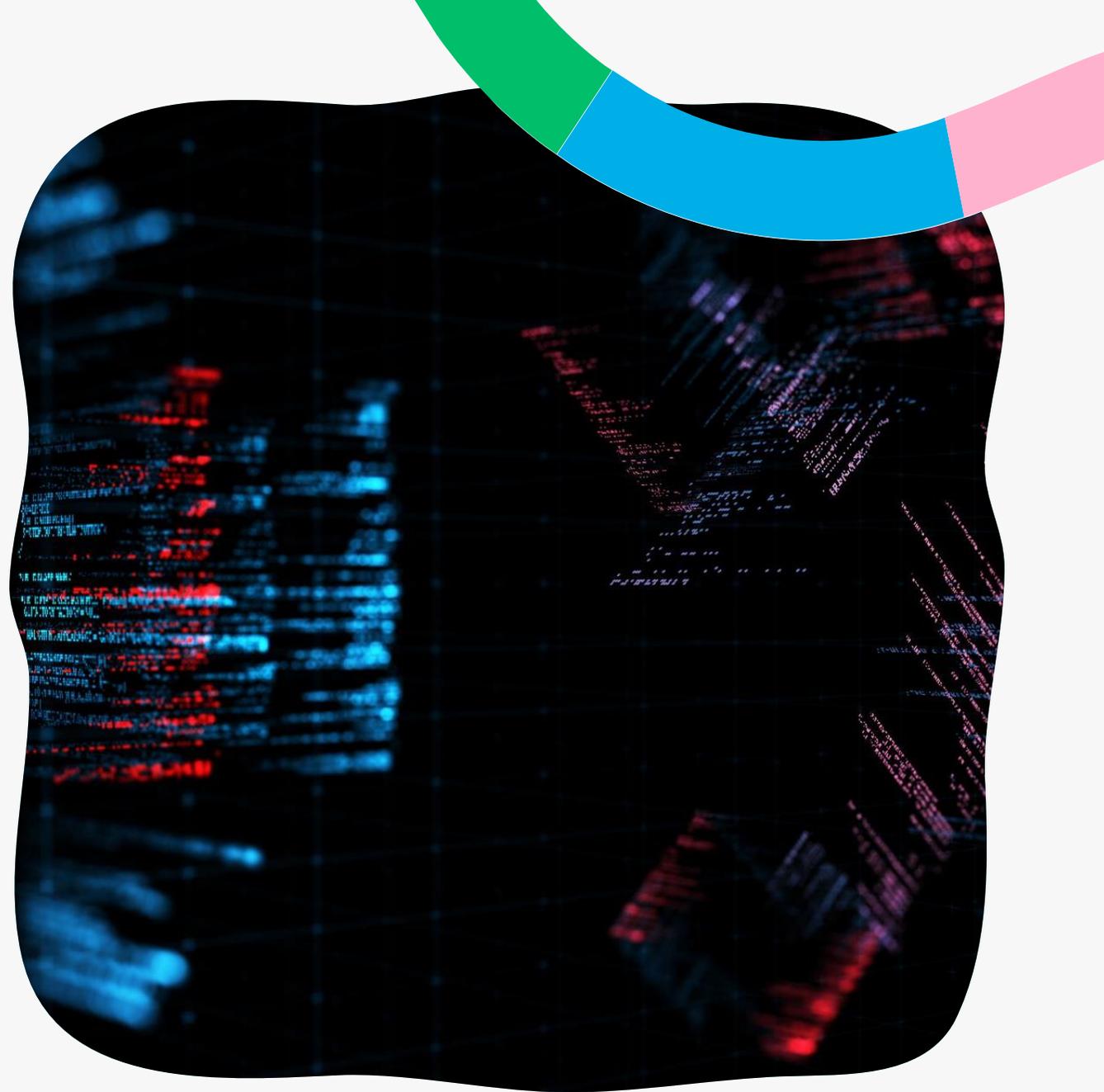
New tables improve transparency on concept origins and mapping, supporting community and LLM-generated vocabularies.

Advantages

Enhances vocabulary auditability, reproducibility, and supports advanced LLM-assisted vocabulary generation methods.

Considerations

Adds complexity with two new tables requiring consistent updates; some data holders may not use them.





ADDITION OF VALUE_SOURCE_CONCEPT_ID TO MEASUREMENT AND OBSERVATION

Purpose of value_source_concept_id

Captures original source-level concepts for values in measurements and observations, enhancing data detail.

Advantages of Addition

Improves representation of complex question-answer pairs, aiding survey data and ICD code interpretation.

Challenges and Concerns

Introduces conceptual confusion risk and breaks standard source-to-standard mapping patterns in CDM.

Community and WG Feedback

Mixed votes and calls to postpone reflect unresolved vocabulary modeling issues across working groups.



SUMMARY TABLE OF PROPOSED CHANGES AND THEIR STATUS

TABLE SUMMARIZING CHANGE, PATIENT DATA IMPACT, BREAKING STATUS, SENSITIVITY, AND APPROVAL STATUS

CHANGE	PATIENT DATA?	BREAKING?	WG SENSITIVITY LEVEL	STATUS
Add visit IDs to SPECIMEN	Yes	No	Low	Strong support
Add value_as_date to OBSERVATION	Yes	No	Moderate	Supported
PACK_CONTENT table	No	No	Low	Supported
Concept metadata tables	No	No	Low	Supported
Add value_source_concept_id	Yes	No	High (THEMIS, Vocab, Survey need alignment)	Controversial



KEY QUESTIONS AND CONSIDERATIONS FOR WORKING GROUPS

FEEDBACK AREAS: WORKFLOW IMPACT, CONVENTIONS, ETL BURDEN, GOVERNANCE, AND ALIGNMENT



Workflow Impact

Assess if changes affect the group's data or analytics workflows and overall productivity.

Conventions Clarity

Ensure conventions are clear, consistent, and free from ambiguities across teams.

ETL Burden and Risk

Evaluate potential ETL burdens or implementation risks introduced by proposed changes.

Governance and Alignment

Clarify governance at vocabulary-CDM boundaries and determine if cross-group alignment is needed.



CONCLUSION: ADVANCING OHDSI CDM V5.5 THROUGH COMMUNITY-DRIVEN ENHANCEMENTS

Strategic Objectives for 2026

The OHDSI CDM Working Group sets clear goals for the 2026 release to enhance data model capabilities.

Community Feedback Mechanisms

Open channels for community input help tailor CDM v5.5 to user needs and priorities.

Transparent Decision Process

The decision-making process is clear and inclusive, fostering trust and alignment within the network.

Commitment to Data Standards

Efforts focus on improving data standards and harmonizing practices across the OHDSI network.