

Gravity

Bridging the gap: HRSN data exchange and a future on FHIR



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Intros

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Gravity Overview

A collaborative initiative with the goal to develop consensus-driven data standards to support the collection, use, and exchange of data to address the social determinants of health (SDOH).



2024 Project Sponsors, Members and Partners



★ Founding Sponsors

Special thanks to the following for your in-kind contributions to Gravity Project: CMS, AMA, and Civitas Networks for Health

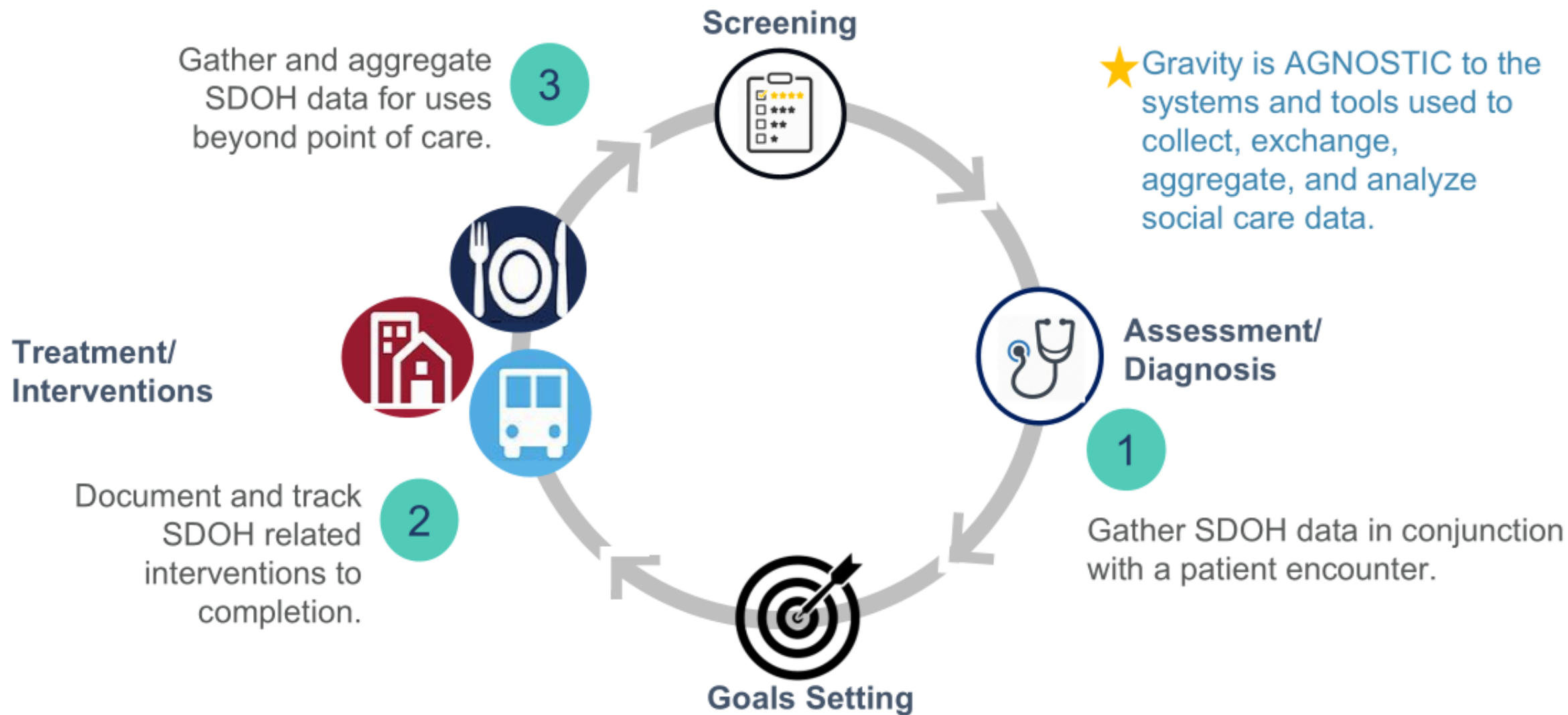
Rev. 2/27/24

Public Collaboration

Gravity convenes over **2,500+** participants from across the health and human services ecosystem to develop and test data standards to address the social determinants of health.



Gravity Conceptual Framework & Use Cases



Social Care Co-Design:

Final Report Available on Confluence!

Social Care Co-Design Activities

Population/Community Level



Personal/Family Level

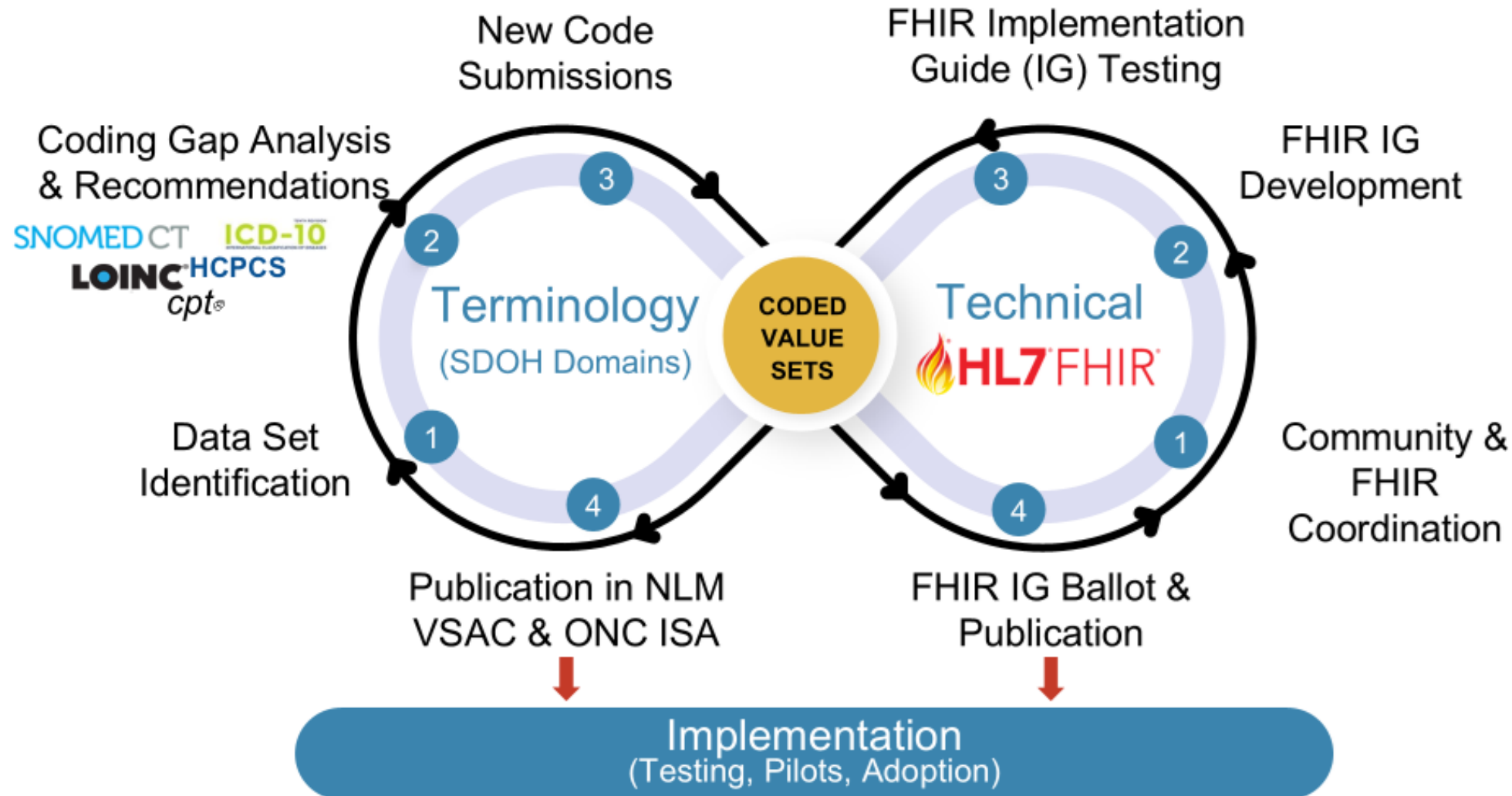


- Project of Gravity Project/ Civitas Networks for Health implementation partnership, with support from the Robert Wood Johnson Foundation.*
- Six session series completed August – October 2023.
- Focused on soliciting, synthesizing, and documenting social care and community based organizations’ feedback and insights to inform Gravity data standards.
- [Social Care Voice Co-Design Final Report](#)

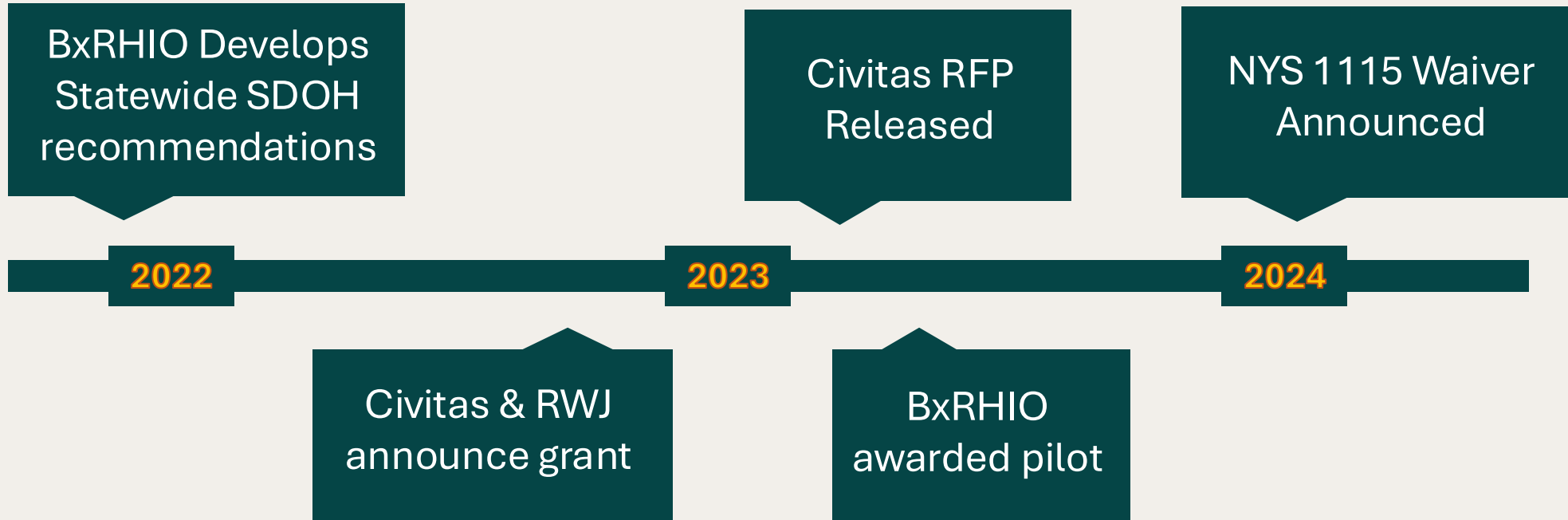
*Support for this initiative was provided by the Robert Wood Johnson Foundation. The views expressed here do not necessarily reflect the views of the Foundation.

Workstreams:

Terminology, Technical, Implementation



NYS Incubator Project



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- HL7 v2
 - OBX
 - TRN
- CCD
 - Diagnosis Section
 - Social History Section
 - Procedure Section
- Flat File
- Other
 - PDF

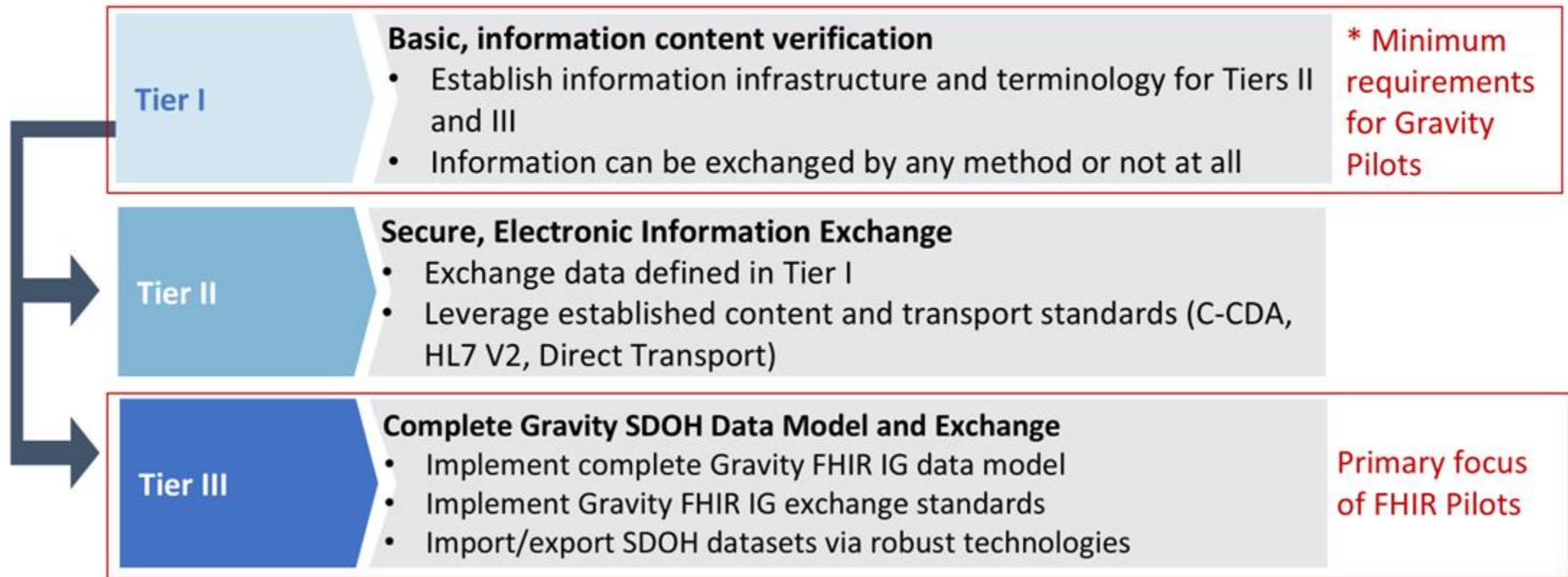
FHIR in the Wild



- Not everyone on FHIR
- Different standards = different data granularity

Gravity Three-Tiered Piloting Approach

- Defines incremental tiers for testing Gravity standards (terminology and technical).
 - Entities may participate at any Tier.



Not on FHIR? Bridge the Gap

- I'm not ready for FHIR but I know it's coming
 - Understand data needs for FHIR
 - Expand your data model

category 0..* CodeableConcept
Classification of type of observation
Observation Category Codes (Preferred)

value[x]	Σ I	0..1
valueQuantity		Quantity
valueCodeableConcept		CodeableConcept
valueString		string
valueBoolean		boolean
valueInteger		integer
valueRange		Range
valueRatio		Ratio
valueSampledData		SampledData
valueTime		time
valueDateTime		dateTime
valuePeriod		Period

Code
Code System
Code Description

SDOH Domain

- Housing-instability
- Medical-cost-burden
- Veteran-status
- Financial-insecurity
- etc

Navigating your Journey

- Room for Interpretation in the standards
- There may be multiple solutions to satisfy the data requirements
 - For example: Obs Screening Response vs QuestionnaireResponse
- Last Mile navigation

How did we Navigate it?

- Community input
 - Started with local community needs
 - Engaged Statewide network
 - Engaged Gravity
- Assessed options to determine the “best” way forward

Key Take Aways



Start Now



Focus on the end goal



It takes a village

- Things improved at Gravity *because* of this project

Thank you!

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