Housekeeping Reminders

- This is a Zoom webinar
- All webinar participants are automatically muted, and your video is not displayed
- If you would like to ask the presenters a question, please use the **Q&A** function on the task bar
- Use the **chat** feature to introduce yourself – name, organization and location; share resources, etc.
- If you have any questions following the webinar, please reach out to contact@civitasforhealth.org

Agenda

- **Welcome & Objectives**
- **Getting to Know Gravity**
  - Gravity Overview and Accomplishments
- **A Focus On Pilots and Implementation**
  - Robert Wood Johnson Foundation (RWJF) funded project administered by Civitas

    "National Dissemination, Implementation and Scale of Gravity Project SDOH Data Standards and Interoperability to Advance Public Health Data."
- **Q & A**

Objectives

- Build stakeholder understanding of the Gravity Project.

- Highlight Civitas activities focused on Gravity implementation and how to engage.

- Create a space for discussion, questions, and resource sharing.
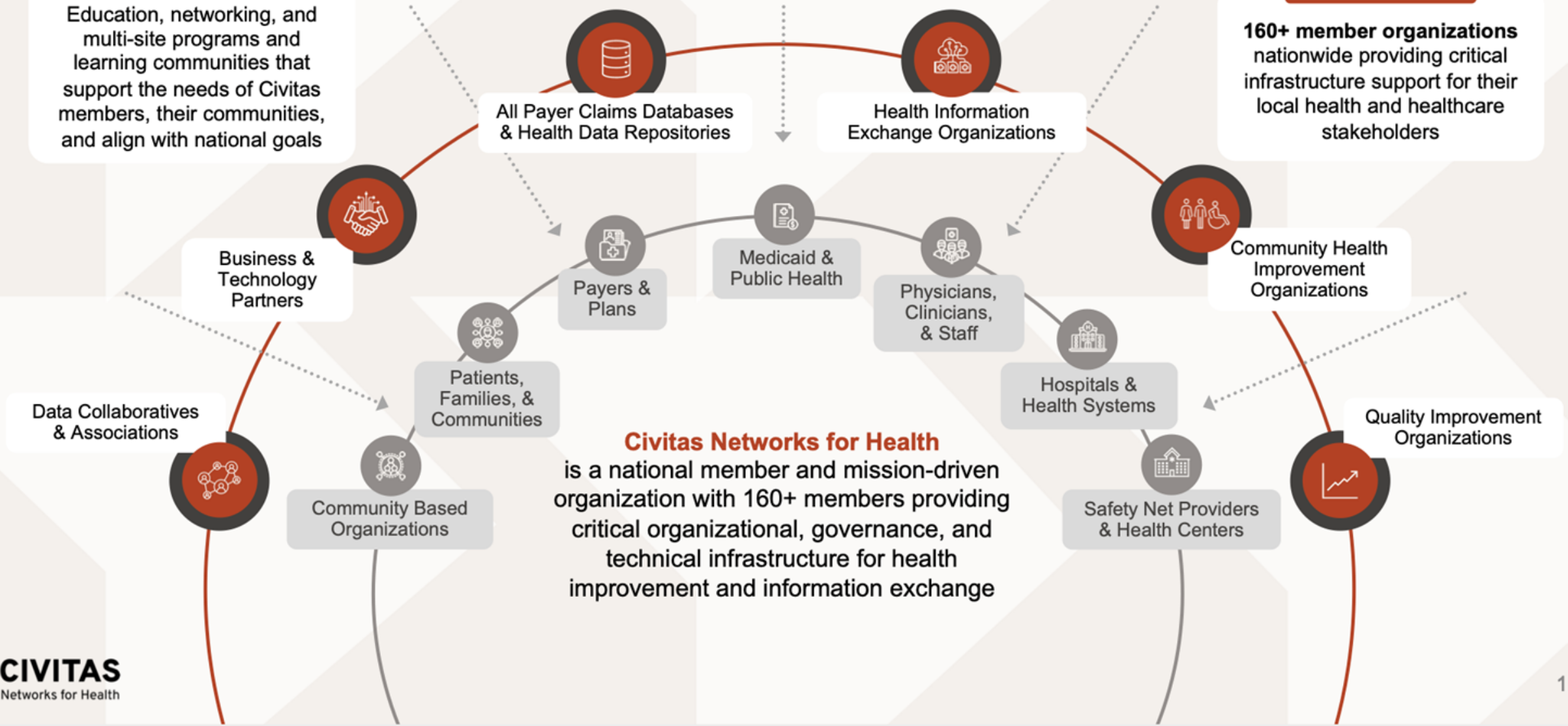
Exciting Collaboration is Underway!

- Civitas Networks for Health with support from the Robert Wood Johnson Foundation is working with Gravity Project to **collaborate on implementation and dissemination.**

- Gravity is an HL7® FHIR® Accelerator and a national public collaborative that develops consensus-based data standards to **improve how we use and share information on social determinants of health.**
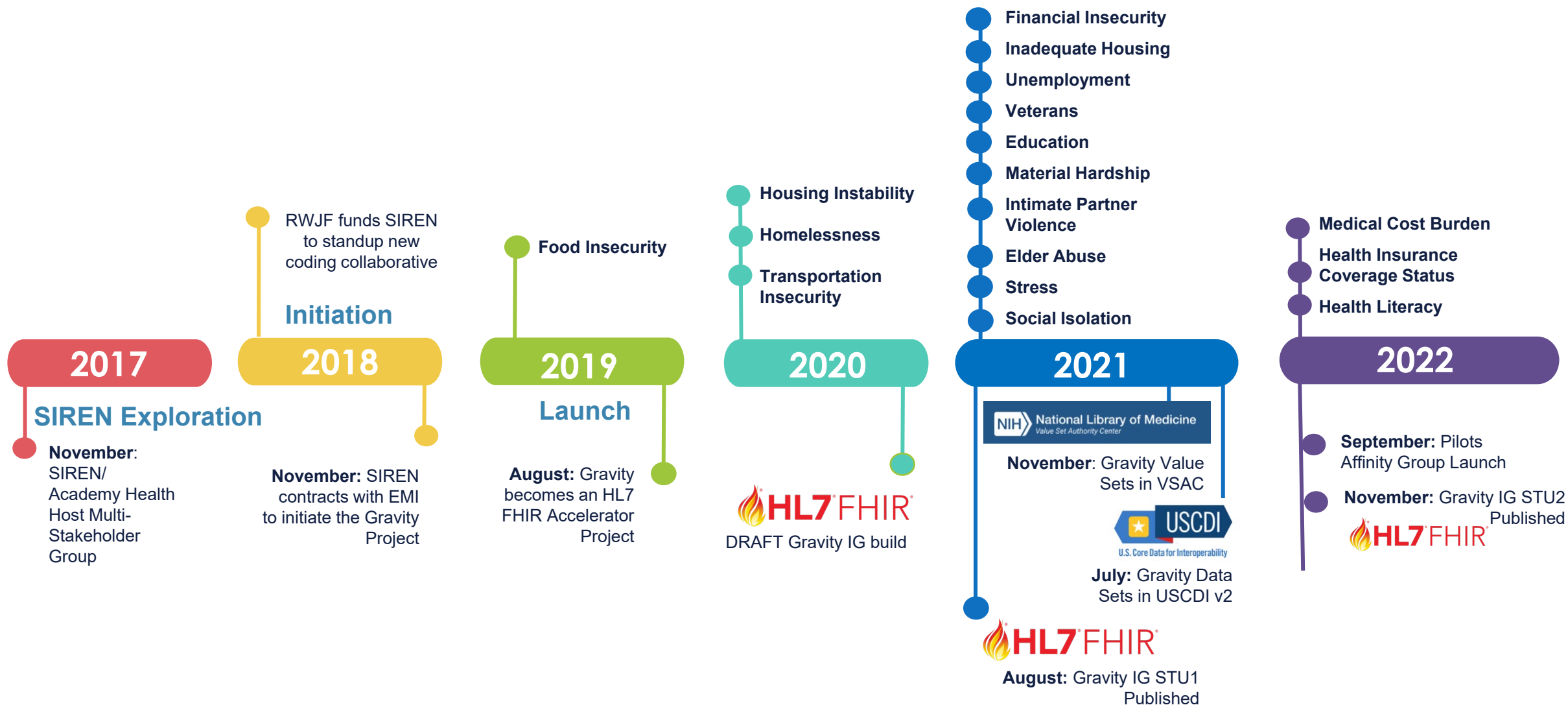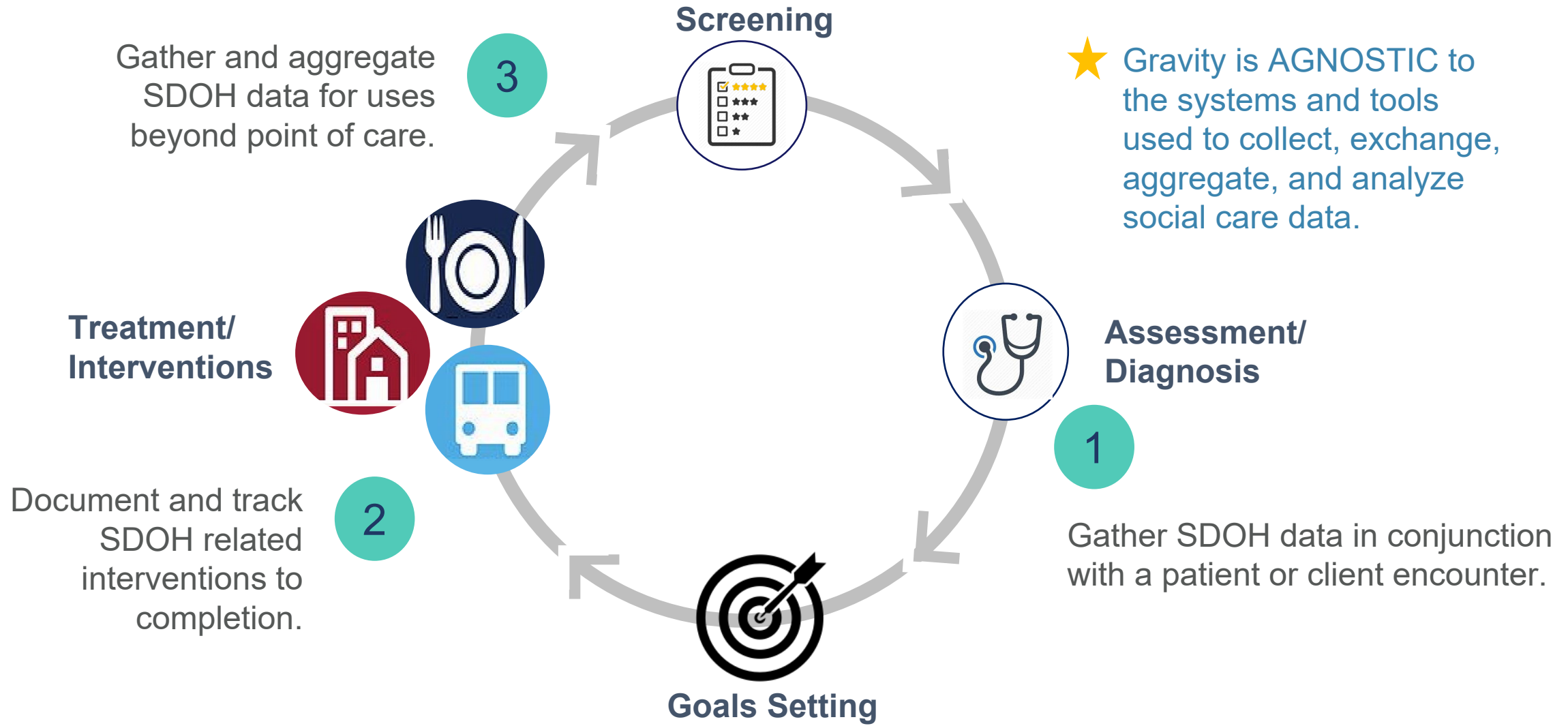
Gravity Overview

Gravity Project Mission

Advance and promote equitable health and social care by leading the development and validation of consensus-driven interoperability standards on social determinants of health.

Gravity Timeline

2017 — SIREN Exploration
- **November**: SIREN/Academy Health Host Multi-Stakeholder Group

2018 — Initiation
- RWJF funds SIREN to standup new coding collaborative
- **November**: SIREN contracts with EMI to initiate the Gravity Project

2019 — Launch
- Food Insecurity
- **August**: Gravity becomes an HL7 FHIR Accelerator Project

2020
- Housing Instability
- Homelessness
- Transportation Insecurity
- **HL7 FHIR** DRAFT Gravity IG build

2021
- Financial Insecurity
- Inadequate Housing
- Unemployment
- Veterans
- Education
- Material Hardship
- Intimate Partner Violence
- Elder Abuse
- Stress
- Social Isolation
- **NIH National Library of Medicine** Value Set Authority Center — **November**: Gravity Value Sets in VSAC
- **USCDI** U.S. Core Data for Interoperability — **July**: Gravity Data Sets in USCDI v2
- **HL7 FHIR** — **August**: Gravity IG STU1 Published

2022
- Medical Cost Burden
- Health Insurance Coverage Status
- Health Literacy
- **September**: Pilots Affinity Group Launch
- **November**: Gravity IG STU2 Published
- **HL7 FHIR**

Gravity Conceptual Framework & Use Cases

Screening

Gather and aggregate SDOH data for uses beyond point of care.

3

⭐ Gravity is AGNOSTIC to the systems and tools used to collect, exchange, aggregate, and analyze social care data.

Treatment/ Interventions

Assessment/ Diagnosis

1

Document and track SDOH related interventions to completion.

2

Gather SDOH data in conjunction with a patient or client encounter.

Goals Setting

3 Workstreams: Terminology, Technical, Pilots

New Code Submissions

FHIR IG Testing

Coding Gap Analysis & Recommendations

FHIR IG Development

Terminology (SDOH Domains)

CODED VALUE SETS

Technical HL7 FHIR

Data Set Identification

Community & FHIR Coordination

Publication in NLM VSAC & ONC ISA

FHIR IG Ballot & Publication

Pilots (Testing & Implementation)
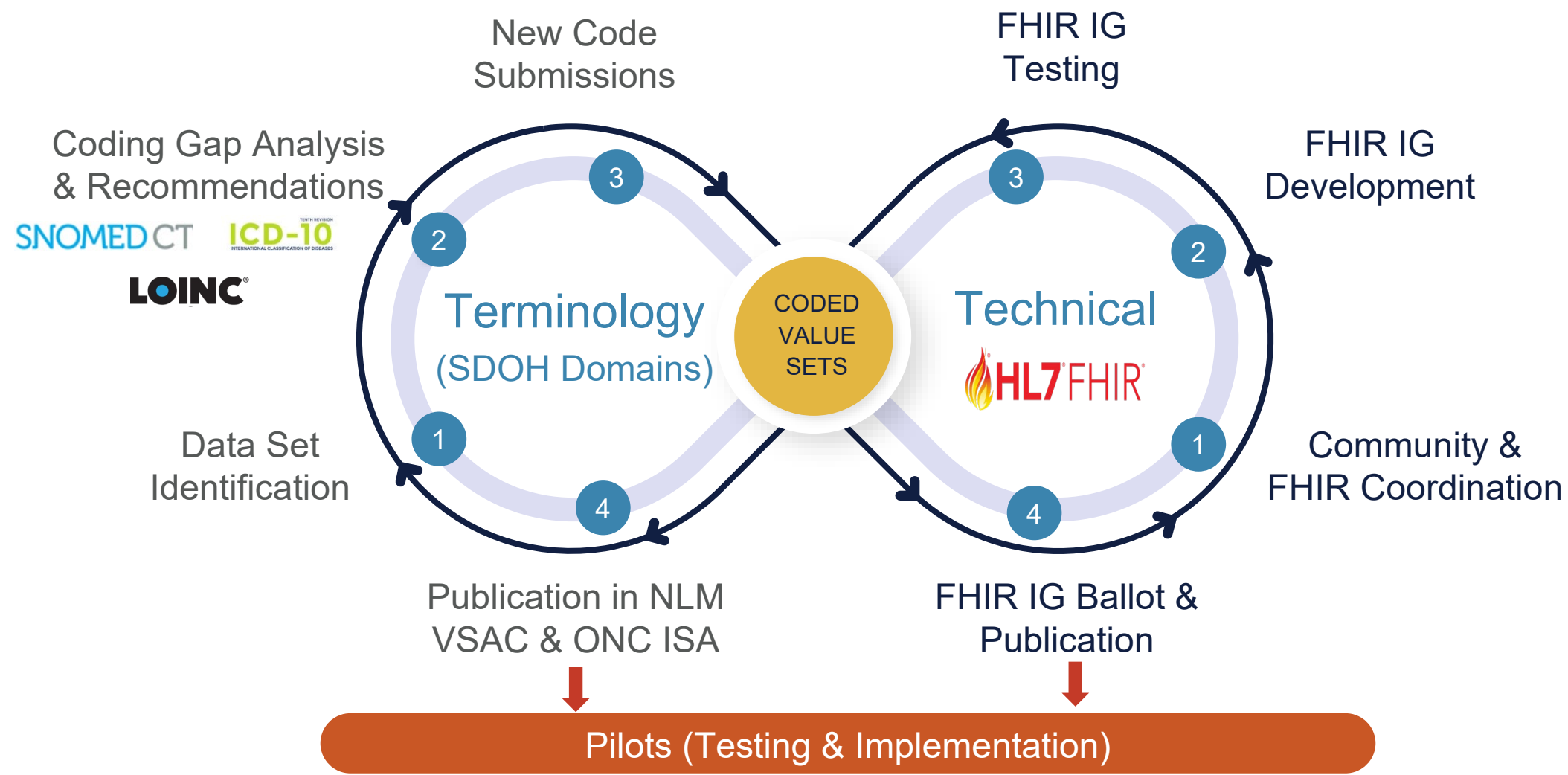
Public Collaboration

Gravity has convened over **2,500+** participants from across the health and human services ecosystem.

Terminology Workstream facilitated **bi-weekly** via virtual Public Collaborative meetings - paused

Technical Workstream facilitated via **weekly** HL7 Patient Care Work Group meetings - paused

Pilots Workstream facilitated via **monthly** Pilots Affinity Group meetings (last Thursday of the month from 2:30 to 4 pm ET) - active

https://confluence.hl7.org/pages/viewpage.action?pageId=46892669#JointheGravityProject-GravityProjectMembershipList

Terminology Workstream — Scope

SDOH Domains

- **Develop data standards** to represent and exchange patient level SDOH data documented across four clinical activities:
  - Screening,
  - Assessment/diagnosis,
  - Goal setting, and
  - Treatment/interventions.

- **Test and validate** standardized SDOH data for use in patient care, care coordination between health and human services sectors, population health management, public health, value-based payment, and clinical research.

FOOD INSECURITY	TRANSPORTATION INSECURITY
HOUSING INSTABILITY	HOMELESSNESS
INADEQUATE HOUSING	EDUCATION
ELDER ABUSE	FINANCIAL INSECURITY
INTIMATE PARTNER VIOLENCE (IPV)	MATERIAL HARDSHIP
SOCIAL CONNECTEDNESS	UNEMPLOYMENT
STRESS	Health Literacy
VETERANS	Health Insurance Coverage Status
	Medical Cost Burden

Domains grounded by those listed in the NASEM "Capturing Social and Behavioral Domains in Electronic Health Records" 2014
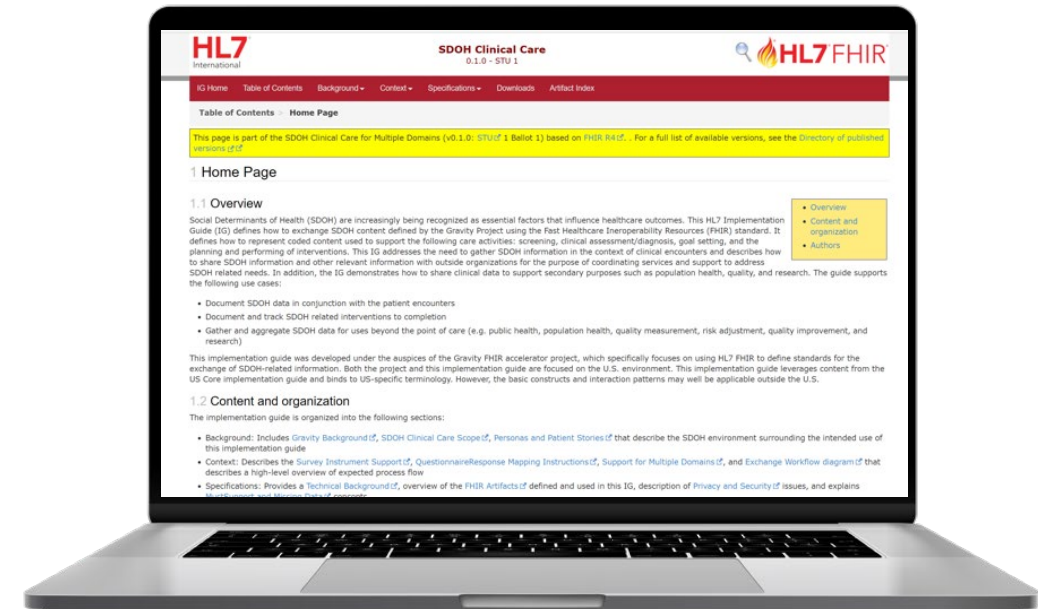
Technical Workstream —
HL7 SDOH Clinical Care FHIR Implementation Guide (IG)

This is a framework Implementation Guide (IG) and supports multiple domains

IG support the following clinical activities
- Assessments
- Health Concerns / Problems
- Goals
- Interventions including referrals
- Consent
- Aggregation for exchange/reporting

- Exchange with patient/client applications

- Draft specifications for race/ethnicity exchange

Standard for Trial Use 2 (STU2) published November 2022!

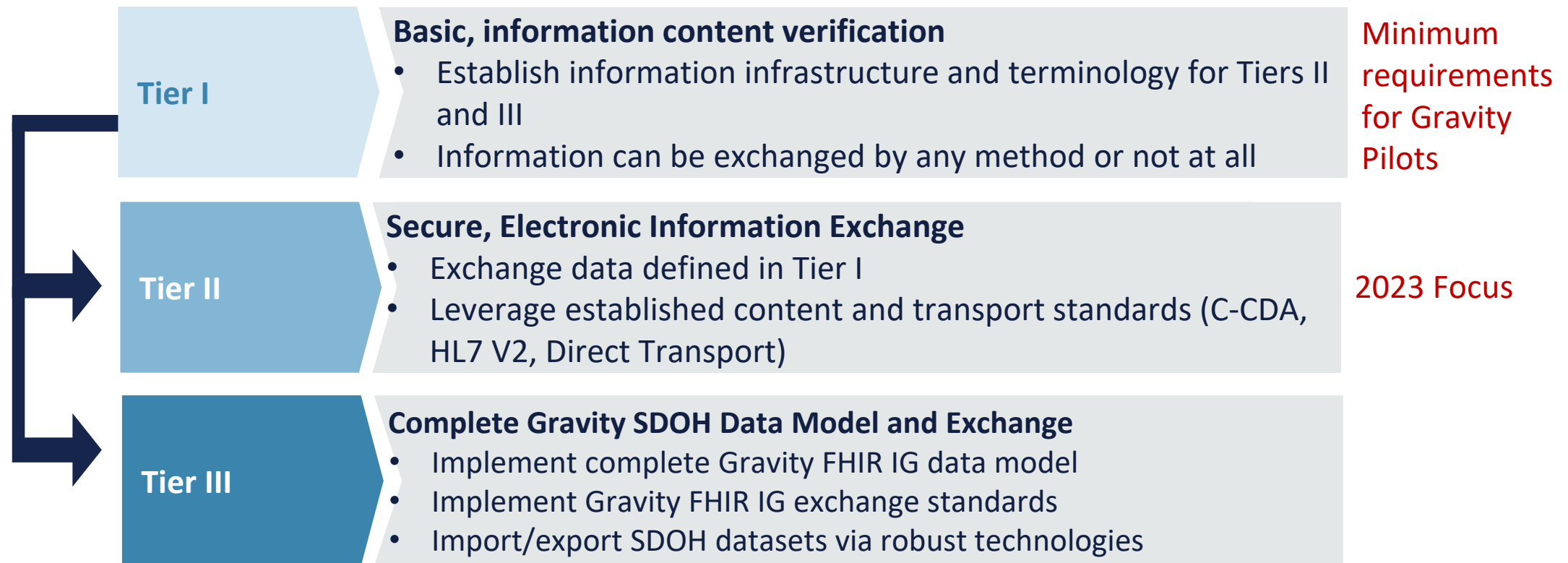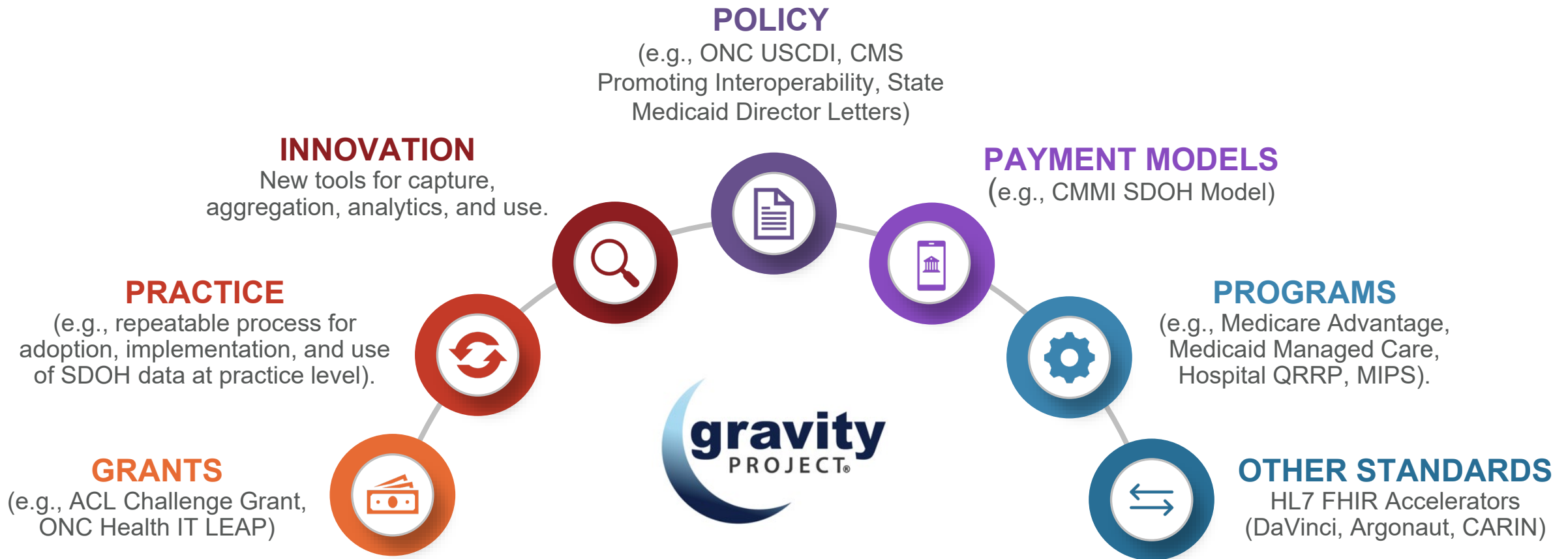http://hl7.org/fhir/us/sdoh-clinicalcare/STU1/

Pilots Workstream — Three-Tiered Piloting Approach

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

Tier I

Basic, information content verification
- Establish information infrastructure and terminology for Tiers II and III
- Information can be exchanged by any method or not at all

Minimum requirements for Gravity Pilots

Tier II

Secure, Electronic Information Exchange
- Exchange data defined in Tier I
- Leverage established content and transport standards (C-CDA, HL7 V2, Direct Transport)

2023 Focus

Tier III

Complete Gravity SDOH Data Model and Exchange
- Implement complete Gravity FHIR IG data model
- Implement Gravity FHIR IG exchange standards
- Import/export SDOH datasets via robust technologies

Success Factors — Integration of Data Standards Into…

POLICY
(e.g., ONC USCDI, CMS Promoting Interoperability, State Medicaid Director Letters)

INNOVATION
New tools for capture, aggregation, analytics, and use.

PAYMENT MODELS
(e.g., CMMI SDOH Model)

PRACTICE
(e.g., repeatable process for adoption, implementation, and use of SDOH data at practice level).

PROGRAMS
(e.g., Medicare Advantage, Medicaid Managed Care, Hospital QRRP, MIPS).

GRANTS
(e.g., ACL Challenge Grant, ONC Health IT LEAP)

OTHER STANDARDS
HL7 FHIR Accelerators (DaVinci, Argonaut, CARIN)

Recent Accomplishments

Terminology Workstream Accomplishments

- **17** SDOH Domains with consensus definitions and code submissions

- **16** domains with **LOINC®** encoded screening instruments

- **14** domains with **ICD-10-CM** and/or **SNOMED CT®** codes

- **16** domains with **SNOMED CT®** intervention codes

- **159** value sets in National Library of Medicine (NLM) Value Set Authority Center

  - Including USCDI SDOH activity value sets

- For an up to date list of current terms see VSAC and the Gravity confluence
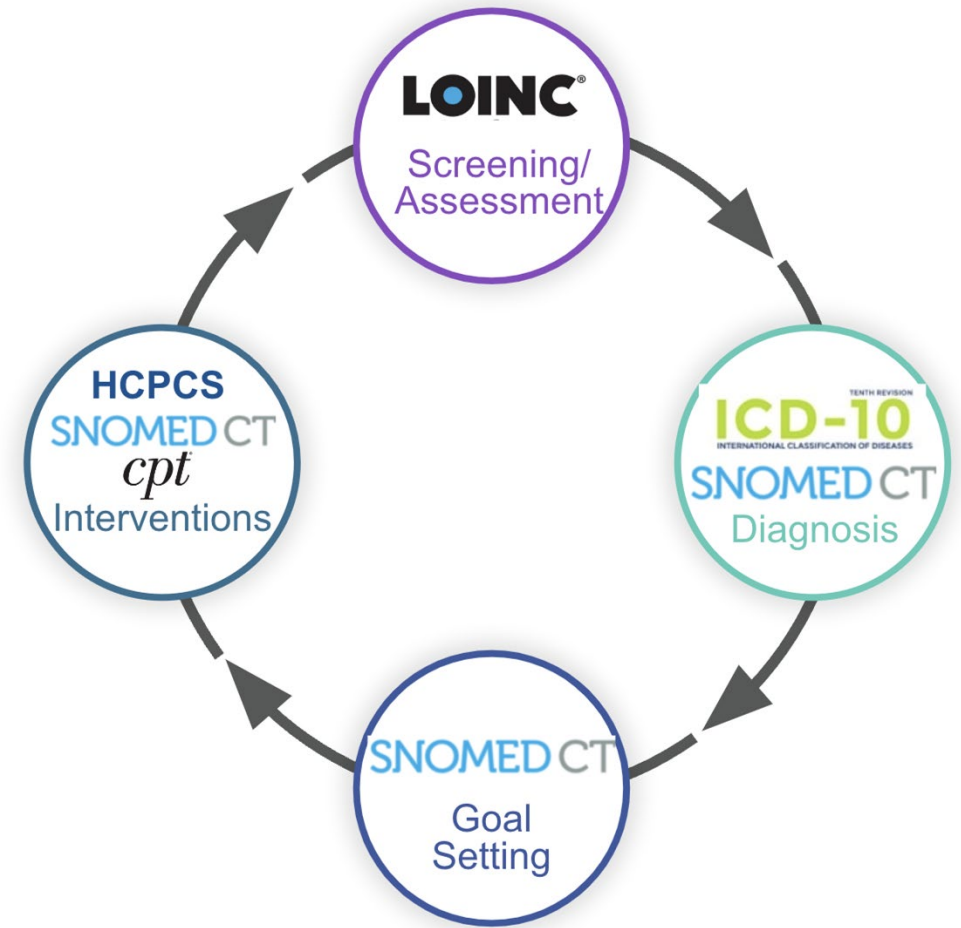
Technical Workstream Accomplishments

Gravity SDOH Clinical Care FHIR Implementation Guide (IG) Standard for Trial Use v2 (STU2) publication in November 2022

- Gravity Track at January 2023 HL7 Connectathon
- Successful integration of MITRE team into Technical Workstream/IG development
- Completed January 2023 ballot review of US Core 6 IG

Priorities: **Widespread Adoption and Use of SDOH Clinical Care IG**

- STU2 update to SDOH CC IG with focus on making implementation easier and more accessible to all stakeholders
- Providing technical support to Gravity Pilot Affinity Group to gain a practical understanding about what is working and not working with the IG in the real-world

Pilot Workstream Accomplishments

Pilots Affinity Group

- A peer-to-peer learning forum for entities participating in the real-world testing of Gravity standards launched on September 29, 2022.
- Registered Members: 8 Gravity Project Pilot Partners, 13 Pilot Participants seeking partnerships, and 126 Observers.

Promising Practices

- 2021 ONC LEAP in Health IT Projects: The University of Texas at Austin's FHIR-Enabled Social and Health Information Platform pilot aims to manage social needs via a two-way information exchange between providers and social care organizations.
- Success Story on the Gravity website about ACL Challenge team, FHIR-FLI, transforming of social care referrals for NJ residents.
- ONC Blog Moving Standards to Support SDOH Data Capture from the Sandbox to Production mentions Gravity Pilots Affinity Group.
- Visit our Gravity Pilots Confluence for more information.

Gravity Pilot Sites

This is a sample (not all-inclusive list) of organizations that have participated in the Gravity Pilots Affinity Group.
We are grateful to all organizations adopting the work of Gravity to advance SDOH standards

A Focus On Pilots and Implementation

Implementation Activities Supported by RWJF

Dissemination and Implementation activities to Advance Public Health Data

- **Sustainable, cross-sector data sharing** partnerships

- **Co-designed approach to implementation** that centers health equity

- Development and dissemination of **resources and technical assistance**

- Terminology and technical workstreams to address **public health and health equity objectives**

**Activities are designed to align with and advance
Recommendations from the National Commission to Transform Public Health Data Systems**

A Focus on Gravity Education and Implementation Resources

- Building accessible resources that focus on implementer needs

- Ensuring alignment with multiple use cases

- Centering community voices with Civitas hosted virtual codesign sessions with diverse stakeholders

A Focus on Peer-to-Peer Learning Opportunities

For Everyone:

- Ongoing Gravity Pilots Affinity Group (Civitas-supported)
  - Last Thursday of the month from 2:30 pm ET to 4:00 pm ET
  - Continuing meeting series through September 2023
- Ad hoc shared learning based on community needs

For 3 Selected Pilots:

- Bi-weekly Virtual Technical Assistance sessions
- Designated In-person Regional Convenings
- Peer-to-Peer Learning Opportunities

A Focus on Health Equity & Public Health

Pilot sites will be selected through an RFP process to identify 3 cross-sector teams focused on:

- Public health use cases
- Health equity use cases

Key Dates for Gravity Pilots Phase 2

RFP Release Date
- February 2, 2023

Office Hours for RFP
- February 9, 2023 from 2:00 pm to 3:00 pm ET

Application Due Date
- February 24, 2023

Notification Date
- March 17, 2023

2023 Pilots Affinity Group Meeting Schedule
- Every last Thursday of the month from 2:30 pm ET to 4:00 pm ET

Questions and Answers

Please submit questions through the Zoom Q&A function

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Announcements

Please submit questions through the Zoom Q&A function

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Opportunity to Launch New Domain in 2023

HL7 International — The Standard
The Official Blog of Health Level Seven® International

HL7 Gravity Project: Opportunity to Help Launch First National Digital Access and Digital Literacy Data Standards Development

Jan 4, 2023 9:42:10 AM / by Gravity Project PMO

Opportunity in partnership with Kaiser Permanente, HL7 and others!

As grounding, the Gravity Project is a national consensus project that develops and tests data standards to represent and exchange social risk data in electronic systems. Together, with a broad collective of stakeholders, Gravity Project defines the language needed to comprehensively address social risks in clinical and community-based settings. To date, the terminology team has completed 17 social risk domains. This has included building critical screening, diagnosis, goal, and intervention concepts for food insecurity, housing instability and homelessness, transportation insecurity, and

KAISER PERMANENTE®

Gravity Project
1,440 followers
1mo · Edited · 🌐

Join Kaiser Permanente and support our upcoming domain development!

In partnership with Gravity Project and Health Level Seven International, Kaiser Permanente has committed funding towards launching the first national #DigitalAccess and #DigitalLiteracy domain terminology development. Check out Kaiser's letter of support for the standards development below.

Gravity seeks additional sponsorship to stand up the new domain in 2023. Please reach out to Jillian Annunziata at jillian.annunziata@emiadvisors.net if you are willing to match their contribution.

https://lnkd.in/eA3ZgAvH

You and 24 others   7 reposts

Help Launch National Digital Access & Literacy Data Standards Development

Thanks to Kaiser Permanente for helping launch the first national Digital Access and Digital Literacy data standards development. HL7 Gravity Project seeks additional sponsorship for the new domain and **more details can be found in The Standard, HL7's official blog**.

Please reach out to Jillian Annunziata at jillian.annunziata@emiadvisors.net about sponsoring this work

Stay Engaged!

- Keep in touch with Civitas news and network announcements by signing up at www.civitasforhealth.org and by joining Civitas' public webinars, *Collaboratives in Action*.

- Consider attending the Civitas Networks for Health Annual Conference in August 2023.

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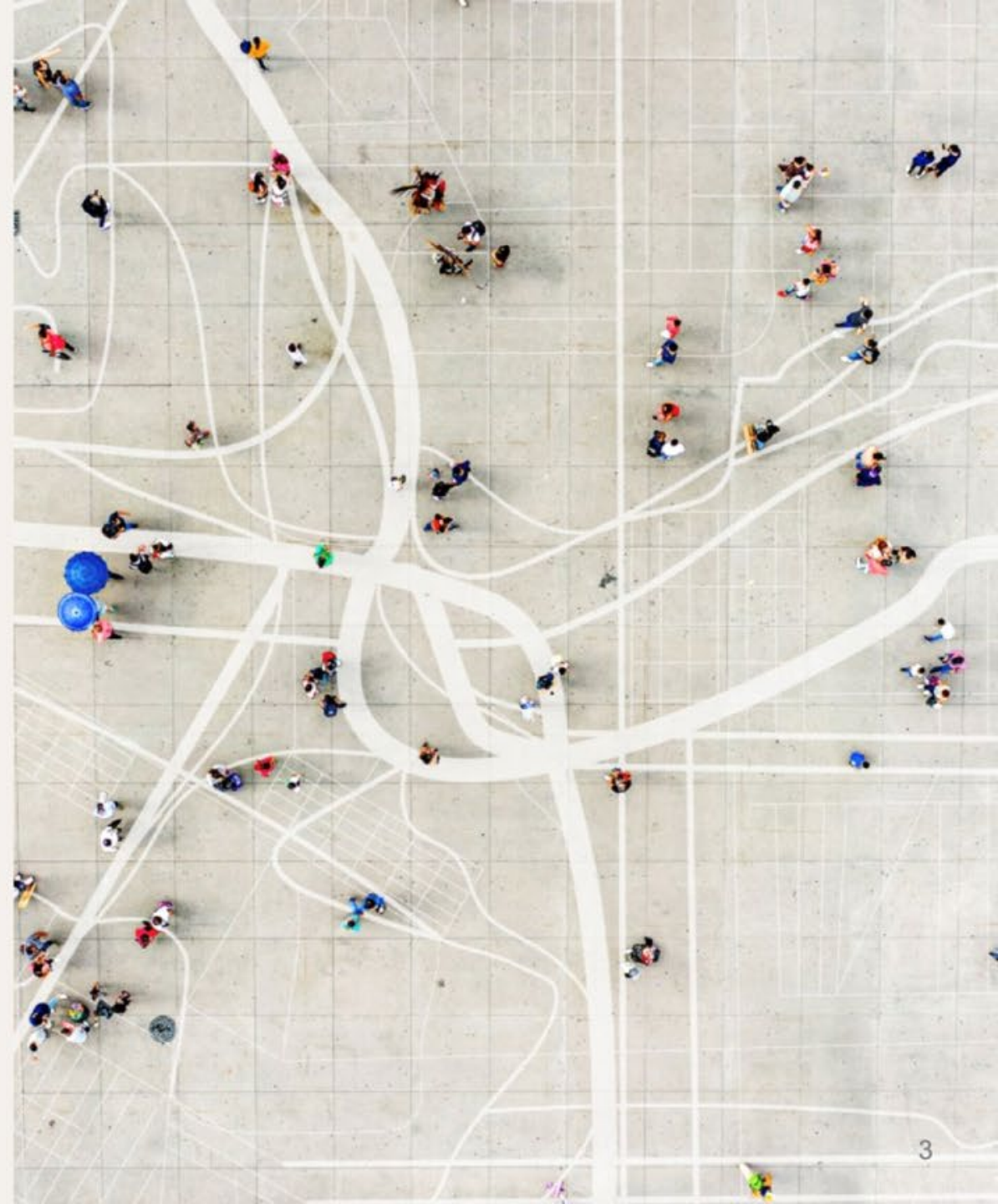
Contact

🖱 www.civitasforhealth.org

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✉ contact@civitasforhealth.org

gravityproject@emiadvisors.net