



# Programmatic View in Planning and Executing an IIS Infrastructure Upgrade

Gary Wheeler, Envision Executive VP and GM  
Kim Gulliver, CIIS and Data Operations Manager

AIRA National Meeting May 2023



# AGENDA

1. Project Background
2. Key Challenges
3. Adapting and Updating Interfaces
4. Planning, Communication, and Collaboration
5. Key Lessons and Path Forward

# Project Background



## Key Goals

- ☐ Move to MS Azure Government Cloud
- ☐ New HL7 Validation and Processing Engine

Project Kickoff November 2022

# Key Project Challenges

- ❑ External data exchange import process.
  - Need to migrate over 2,000 data exchange providers
  - Endpoint, Credential and Message format changes
- ❑ External systems that interface with CIIS:
  - Vitals Interface
  - WIC Interface
  - Refugee Health Interface
  - CEDRS Interface (Electronic Disease Reporting System)
  - Nonmedical Exemption Tool
  - CIIS User Request Form



# DX Partners Connections – Key Experiences



Connecting on Scope and Onboarding



Complete change in Onboarding Process



Classifying Partners Low, Med, High Level of Effort



Partner Communication, Planning and Feedback - Timing; easy doesn't mean duration is short



# Onboarding Scope



*I'm glad we all agree!*

- ☐ New Endpoint
- ☐ Data Quality Considerations
- ☐ Processing Changes

# Onboarding Process



HL7 Pre-Testing

Phase 1: Preparation (Kick-Off Meeting)

Phase 2: Connectivity Setup

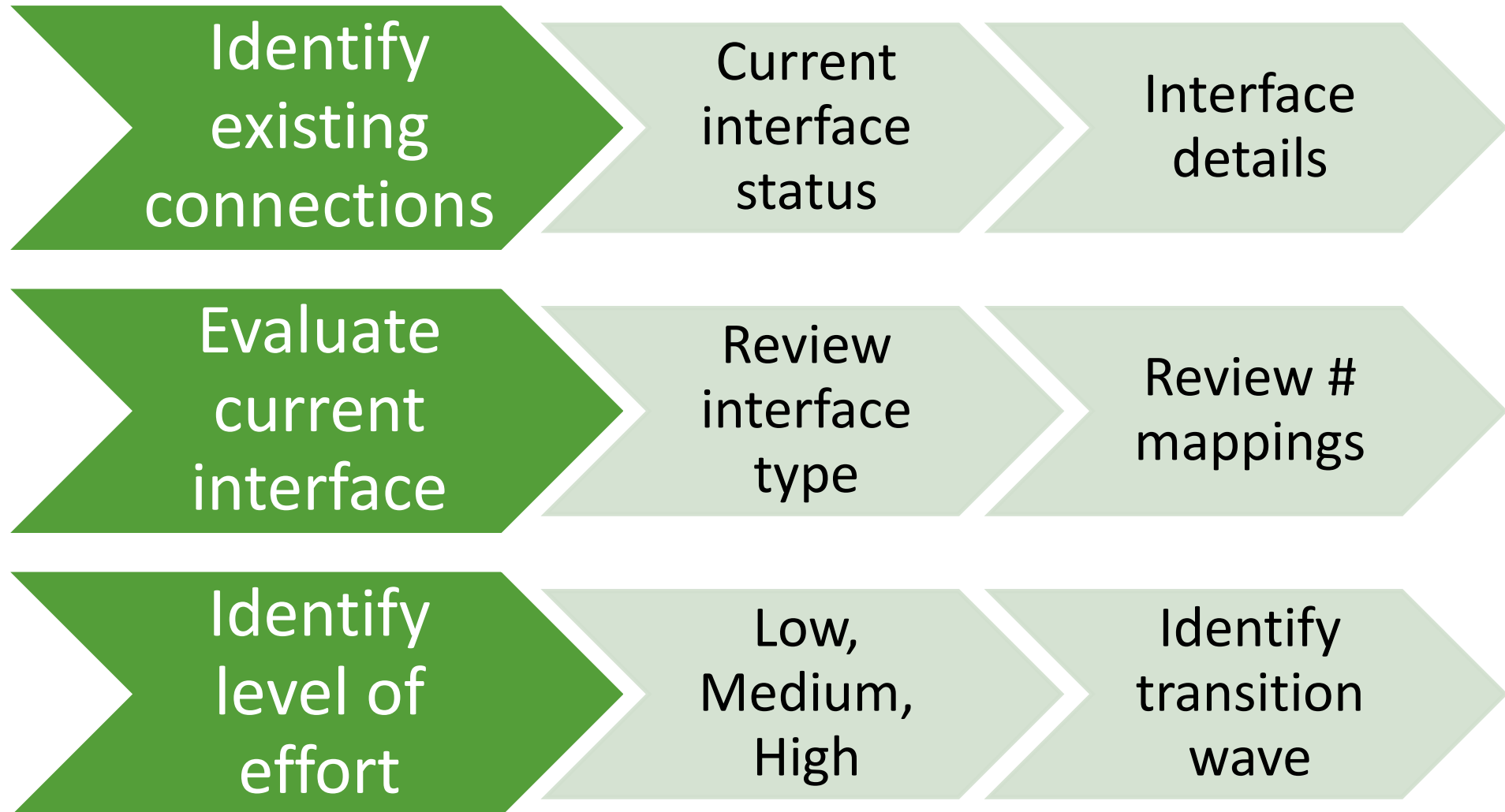
Phase 3: Initial Data Quality Review

Phase 4: Data Validation

Phase 5: Go Live Planning

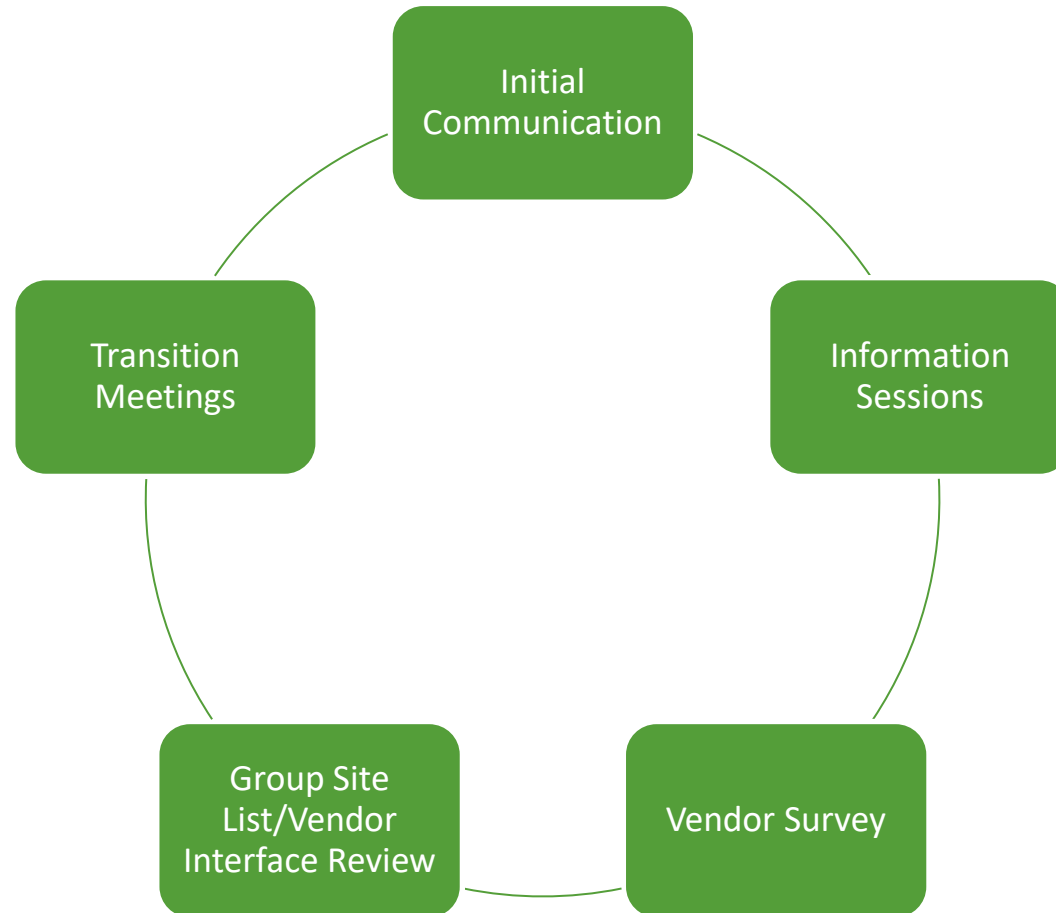
- ❑ Phase 1: Alter all KO meetings and evaluate vendor involvement.
- ❑ Phase 2: Move 1 connection to 2; modify all credentials and endpoints.
- ❑ Phase 3: No access to SQL reports for accuracy and completeness; new tools.
- ❑ Phase 4: Unable to use home-grown Data Validation tool.
- ❑ Phase 5: Connection change and inability to backload data.

# Classifying Partners





# Provider Communication



- ❑ Initial Communication
  - Intro to project and next steps
- ❑ Information Sessions
  - Provide vendors w/ project details
- ❑ Vendor Survey
  - Capture additional info (MSH-22, ACK message process)
- ❑ Group Site List/Vendor Interface Review
  - Verify active sites before transition
- ❑ Transition Meetings
  - Discuss details of each transition

# System Connections



- ❑ External systems that interface with CIIS
- ❑ Key Challenges:
  - Ongoing evolution of current systems
  - Availability of meaningful documentation and SMEs

# Lessons and Path Forward

- ❑ Value of shared Project Repository, account for complication of syncing tools
- ❑ Assessing Partners
- ❑ Accommodations for standards can take more time in the future
- ❑ Effective collaboration and shared understanding key
- ❑ Importance of SMEs and Documentation
  - getting beyond just what it does, but understanding why/ recommendations/ how it is used
- ❑ Demands on teams/timing



# Remaining Project Plan/Approach

- ☐ Ongoing Onboarding
- ☐ System Connections
- ☐ Targeted Go-live December 2023



# Thank You!

Questions or additional information please contact:

Gary Wheeler

[gwheeler@envisiontechnology.com](mailto:gwheeler@envisiontechnology.com)



Kim Gulliver

[kim.gulliver@state.co.us](mailto:kim.gulliver@state.co.us)

