# Vaccine Code Sets Management Service (VCSMS) Pilot April 12, 2017

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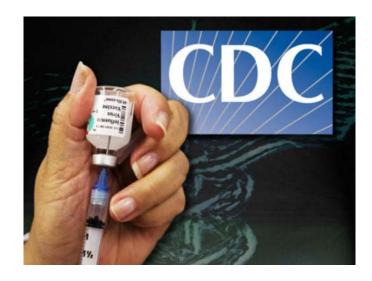
> John Wilkinson Clinical Architecture



# Agenda

- Background
- Pilot
- Next Steps





### **Background**

# **Emerging Strategic Priorities and Initiative Alignment**

Improving IIS
Performance and
Reducing
Performance
Disparities

Influencing the Health IT Environment

Improving Adherence to Standards

Improving Program Sustainability



Shared and centralized Services

Assisting awardees to diversify funding sources

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#### **Background**

#### **IIS Centralized Service Goals**

#### **IIS Centralized Service Vision & Mission**

*Vision:* IIS nationwide are standardized and can achieve efficiencies through shared services and support in order to meet the needs of the immunization community

*Mission*: To facilitate enhanced collaboration, support, and sharing of services to enable efficient, cost-effective, standardized and high quality services and support to multiple IIS

NCIRD Supports IIS Shared Service



Awardees Use IIS Shared Service



Sustainable Nationwide Immunization Information Management

# IIS Centralized Services Goals



Provide shared services to support IIS



Promote IIS
Best Practices
adoption



Reduce IIS Variability



Reduce costs



Increase IIS operational efficiency and effective



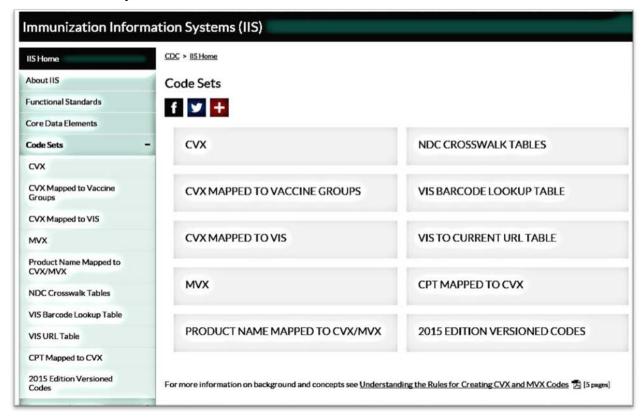
"Raise the bar" for awardees to achieve IIS goals

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# **Background**

#### Vaccine and Vaccine-related Code Sets

- **Challenge:** Need for increased flexibility and automation in data set management and distribution
- The current method for accessing the codes (illustrated below) will continue to be available
- New development will allow for enhanced features, easier content management, and new delivery methods



#### **Pilot Overview**

### Vaccine Code Sets Management Service (VCSMS)

A *pilot* for an improved mechanism to manage and deliver immunization code sets in a more flexible way.

**Objectives:** Provide IIS and other targeted users with a comprehensive mapping and translation service for vaccine-related codes.

- Provide users with the content and formats they need
- Offer direct delivery of vaccine-related codes as an additional option to end users
- Increase automation and efficiency of vaccine content management

**How:** Implement and configure a platform that will provide users with flexibility, enhanced content format options, and new ways of receiving content updates.

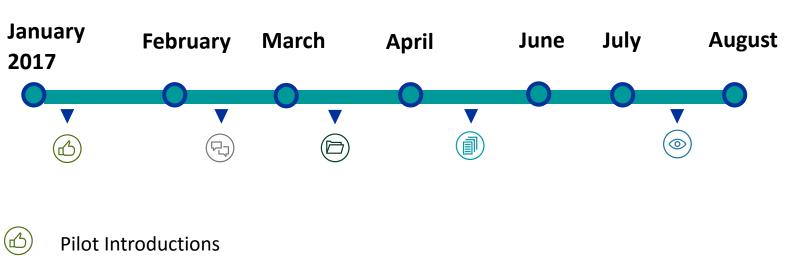
Who (content subscribers): IIS, EHRs, IHEs, and other electronic health systems

#### **Primary Goal Is More Efficiency and Automation**

The scope of the codes and mappings offered will remain consistent in Year One. However, delivery and management of the information will be improved.

#### **Pilot Timeline**

Community input will help define the new model and delivery options.

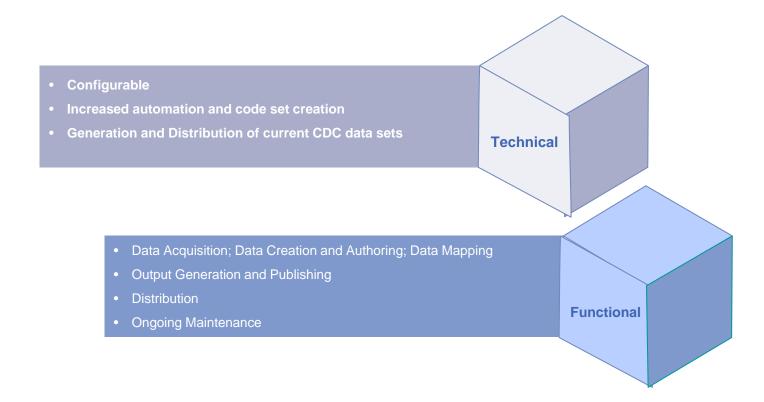


- Identify and Interview Volunteers, Finalize Requirements
- Confirm Pilot Package Options
- Pilot and Test the Service (April June)
- Pilot Evaluation (July August)

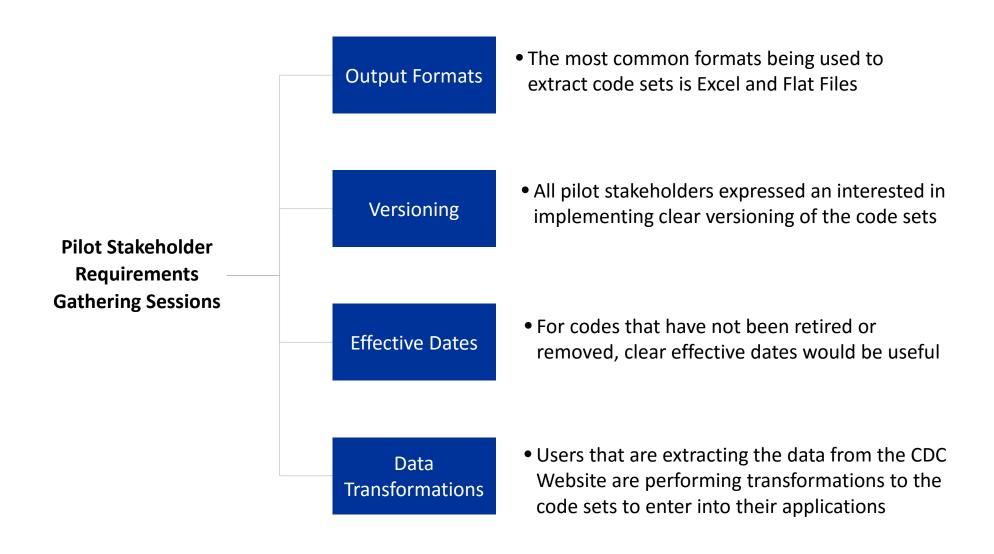
### **Pilot Requirements**

The Requirements Gathering Process consists of two methods:

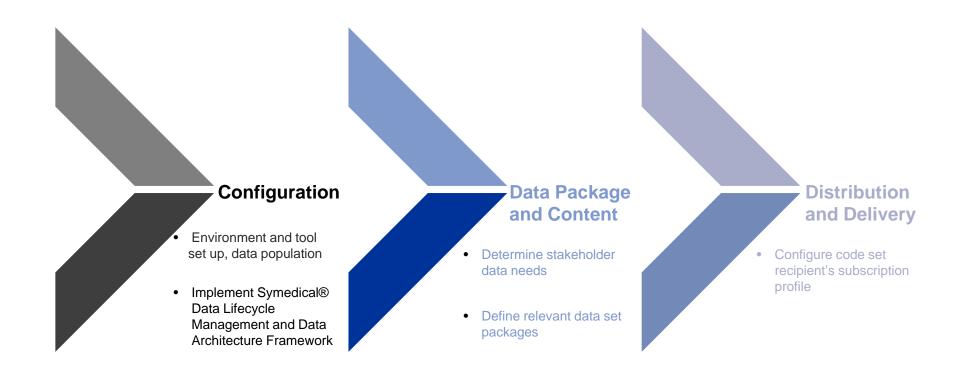
- 1. Detailed Discussions with Pilot Participants
- 2. Community Discussions and Education Sessions



#### **Requirement Findings - Common Themes**



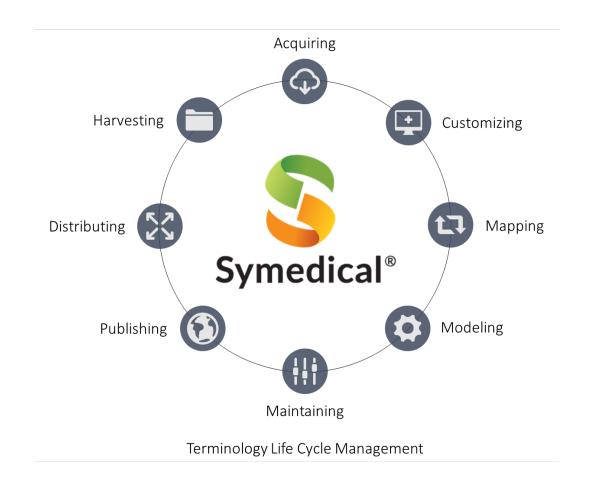
# **Symedical® Functions and Illustration**



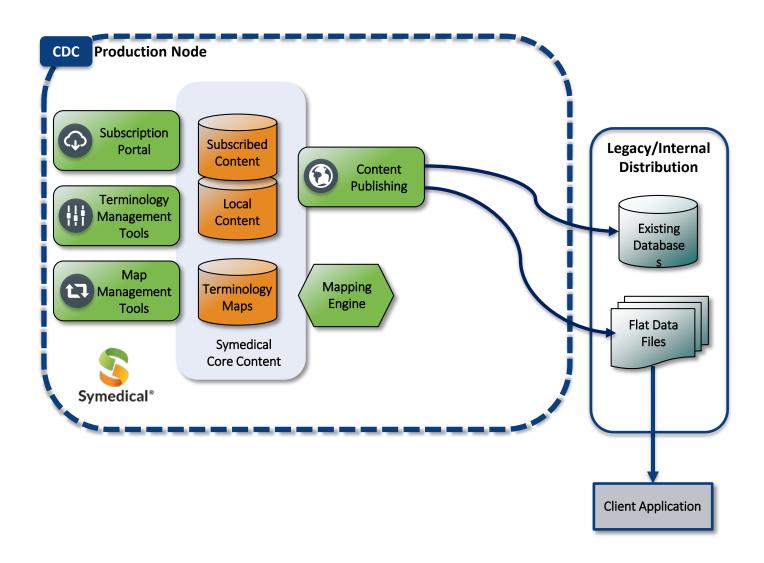
# **Enhanced Code Set Outputs for Users**

Creation of new content packages (attributes useful to users) Functionality for users to subscribe to relevant content packages New method of delivery (i.e. Content Cloud Agent) **Enhanced Code Set** Outputs **Clear Versioning Standardized Content Enhanced Automation** 

# **Symedical – Terminology Life Cycle Management**



# Focusing on Distribution – Web Site



#### **Clinical Architecture – Content Cloud**

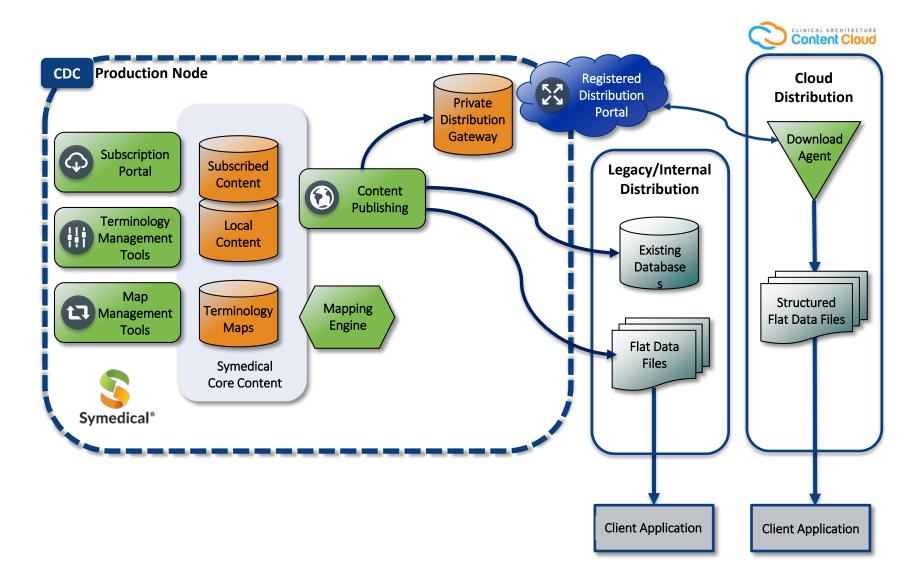
The Content Cloud will be a distribution method available to users of the vaccine code sets, in addition to the existing method of extracting outputs from the CDC Website.

#### **Content Cloud Details**

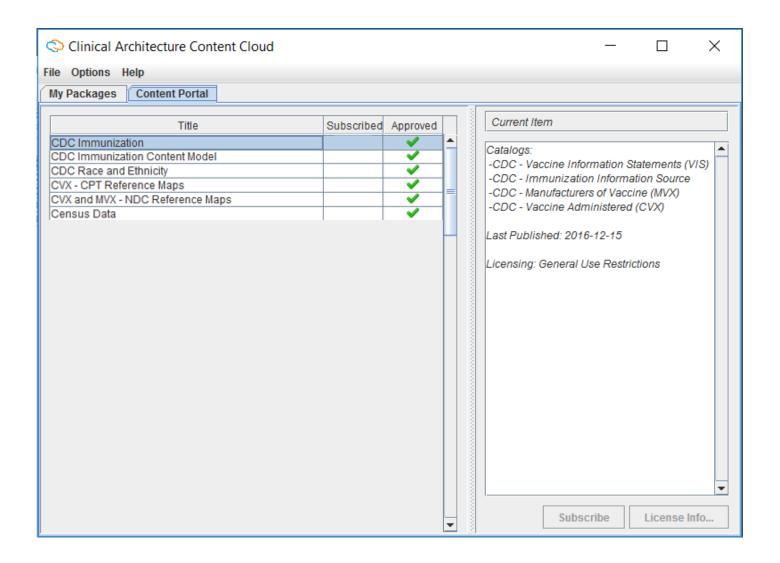
- Clinical Architecture's hybrid push method of delivery
- Application used to access and subscribe to content packages available within the Clinical Architecture Content Cloud
- Files are delivered as pipe-delimited ASCII text files easier for users to retrieve only the data needed
- Technical requirements and components will be installed with assistance from the Clinical Architecture team



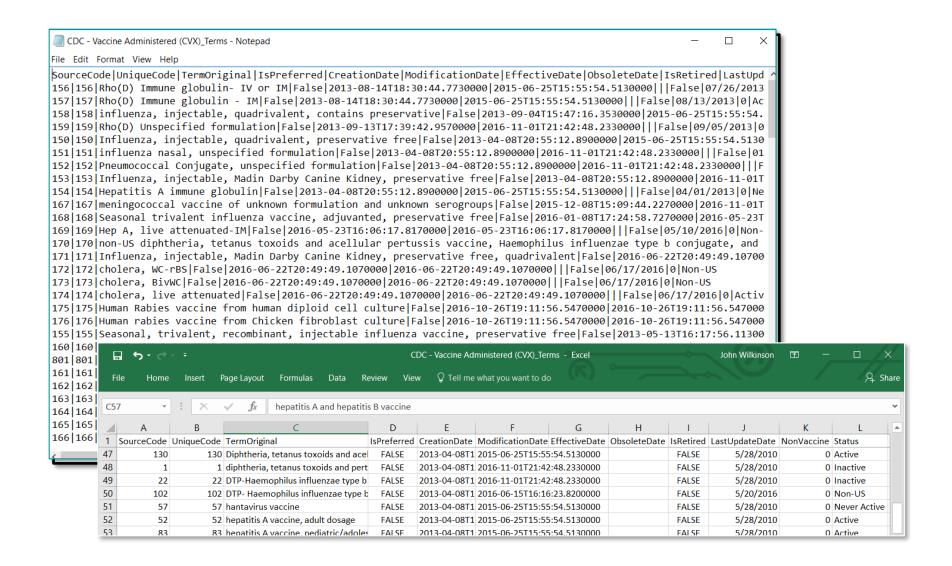
# Focusing on Distribution – Hybrid Push/Pull Model



#### **Clinical Architecture – Content Cloud**



#### Clinical Architecture – Content Cloud



#### **Future Considerations**

- Lot Number Discrepancies
- Codes Not Currently Published on IISSB Web Site (i.e. Codes in PHIN-VADS)
- User-Defined Output Formats



# Thank you!

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

National Center for Immunization and Respiratory Diseases

Immunization Services Division

