



June 2026

NNDSS eSHARE Webinar

Office of Public Health Data, Surveillance, and Technology

June 23, 2026

Meeting Agenda

June 23, 2026, 3:00 pm ET

01 Welcome

02 General NNDSS Announcements

- Public Health Information Network Messaging System (PHIN MS) Update
- Key Dates for 2024 and 2025 NNDSS Annual Data Reconciliation

03 Generic Version 3 (GenV3) Update

- GenV3 Condition-Specific Guide Transition

04 Q&A





General NNDSS Updates

Andrew Kuehl, MIT, PMP

Office of Public Health Data, Surveillance, and
Technology

PHIN MS Update

- Sunsetting November 30, 2026
- Mercury S3 available as an alternative
- Support team will help jurisdictions:
 - Understand their SFTP/API options
 - Set up connections
 - Test connections
 - Cutover to production
- Send PHIN MS requests to edx@cdc.gov

Key Dates for 2024 and 2025 NNDSS Annual Data Reconciliation

- ✓ Feb 17: Reconciliation kick-off and eSHARE
- ✓ Feb 18: Reconciliation module open for 2024
- ✓ Mar 2: Reconciliation module open for 2025
- **July 17: CDC program databases closed**
- **August 7: Lock STD data**
- **August 17: STD Manager approval**
- **August 28: State/Territorial Epidemiologist approvals complete**



Generic v3 Updates

Anne McIntyre, PhD, MPH

Office of Public Health Data, Surveillance, and
Technology

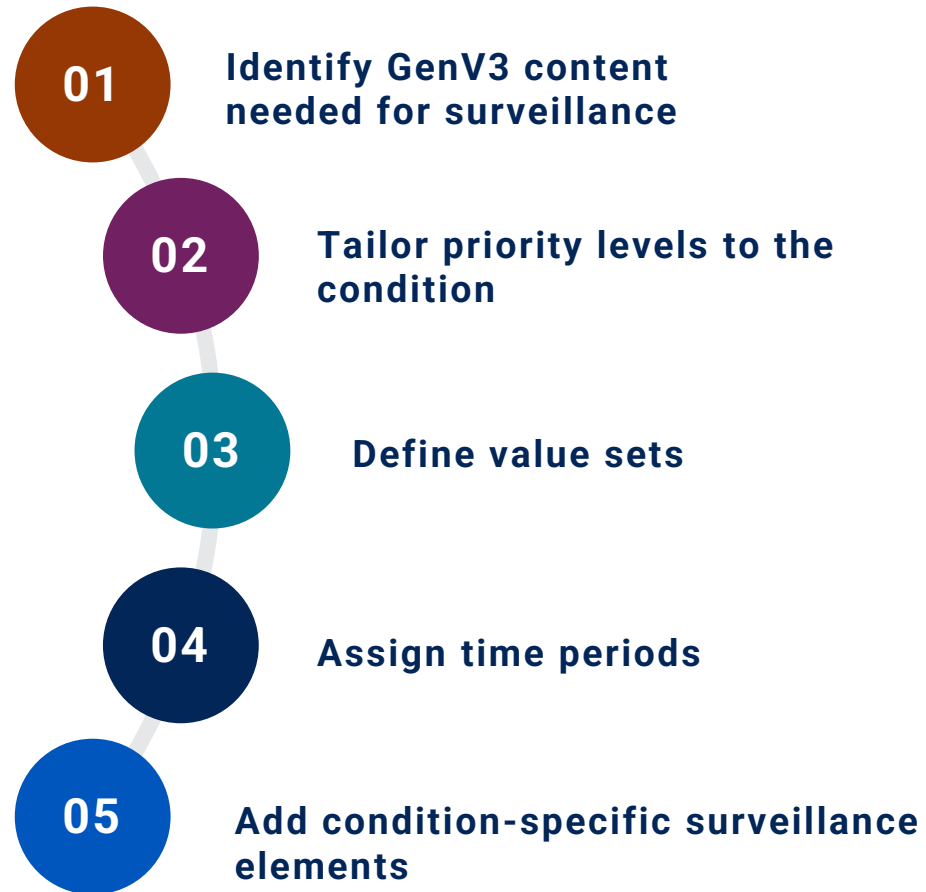
Creating Condition-Specific Guides from Generic v3 (GenV3)

- Message Mapping Guides (MMGs) have evolved through multiple development approaches, resulting in variation across MMGs and opportunities for greater standardization
- As a change from Generic v2 (GenV2), GenV3 contains basic demographic and case information *and* DSWG-standardized data classes
- With more content included in GenV3 than before, the approach to condition-specific guides with GenV3 is different than that of GenV2
- Instead of condition-specific MMGs adding fields to a minimal core (GenV2), condition-specific guides will now include the subset of the standardized GenV3 data classes and may add a few condition-specific elements.

Including Standards in Case Report Form (CRF) Development

- Historically, condition-specific MMGs have been developed from condition-specific CRF
- Moving forward, CDC programs will continue to develop CRF based on surveillance and programmatic needs
- Earlier collaboration between CDC programs, NNDSS, and the Data Policy and Standards Division (DPSD) will help align content in CRF with DSWG standards and GenV3-defined data elements

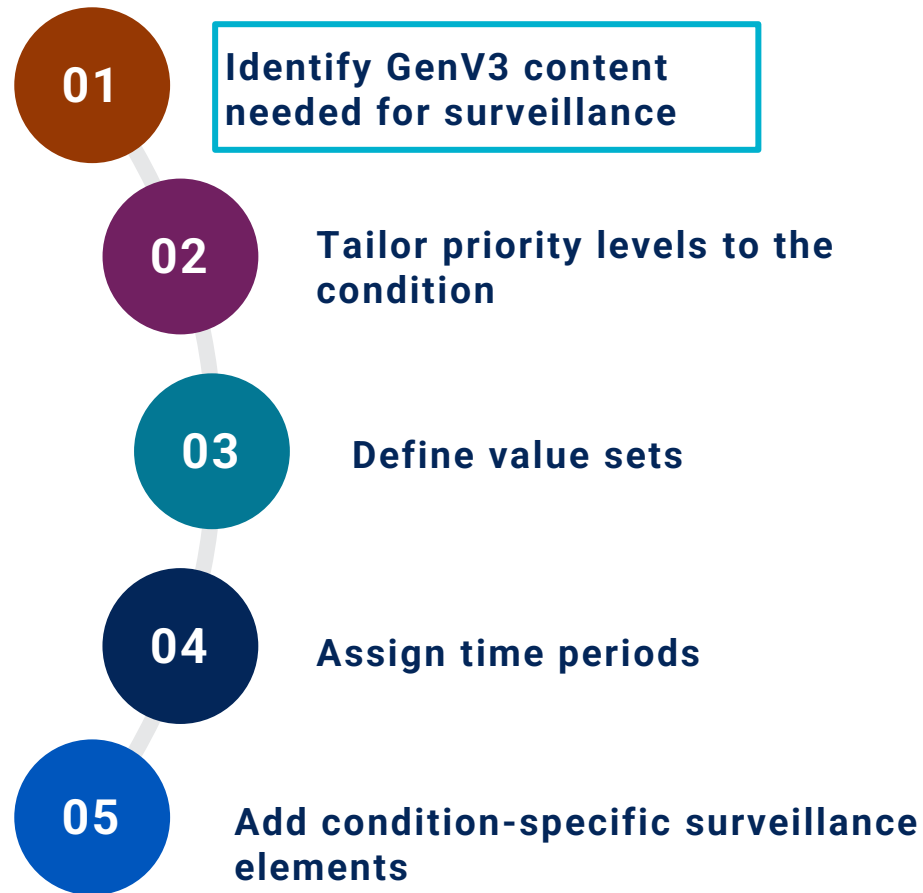
Development Process Summarized



Result: A condition-specific MMG that maintains cross-condition standardization

(Note: the process does not change existing GenV3 data elements)

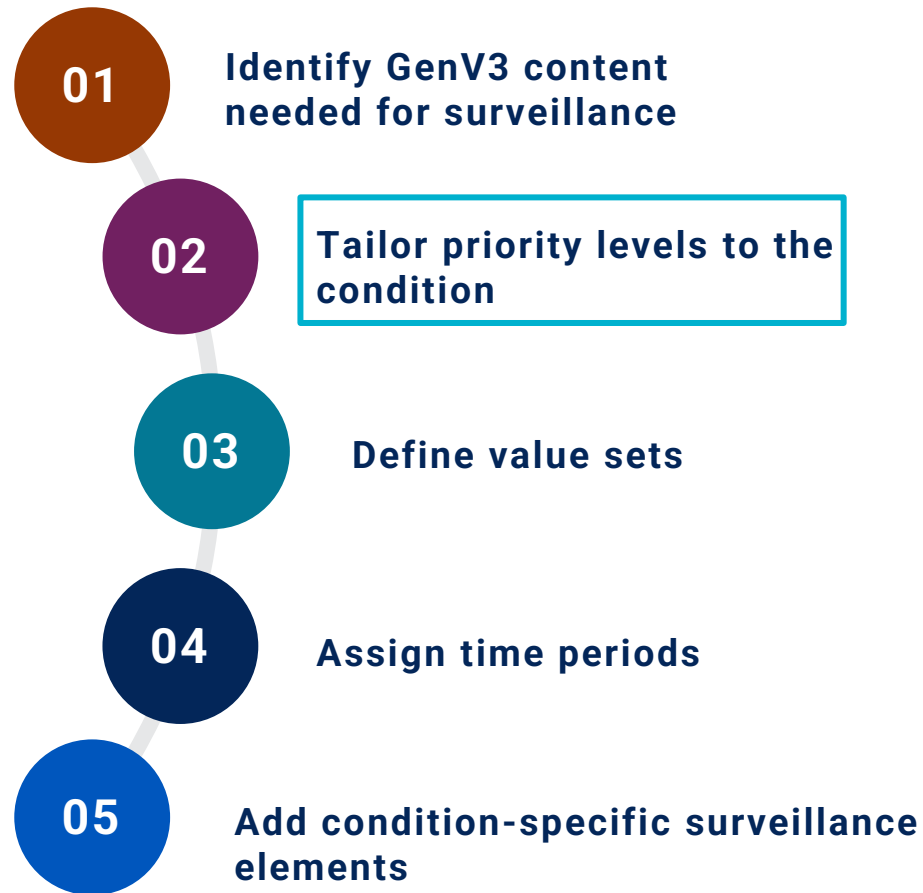
Development Process



Identify GenV3 content needed for surveillance

- Each MMG will be based on CSTE DSWG-defined standards that are included in GenV3
- All condition-specific guides will include universal data elements
- Programs may select additional GenV3 data classes as needed for condition-specific surveillance

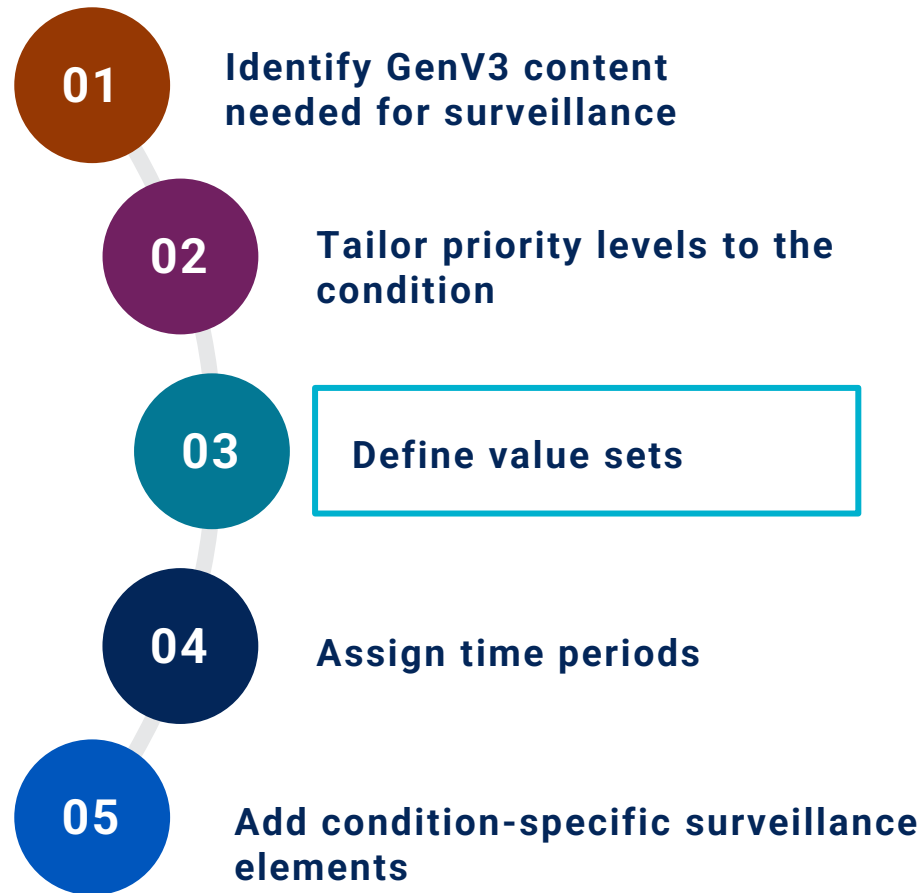
Development Process



Tailor priority levels to the condition

- CDC program defines priorities as 1, 2, or 3, depending on national surveillance needs
- **Required** data elements are mandatory for sending a message
- **Priority 1** data elements are critical for national surveillance activities
- **Priority 2** data elements are high priority data element that will support national surveillance activities
- **Priority 3** data elements should be considered for inclusion in the surveillance system and case notification

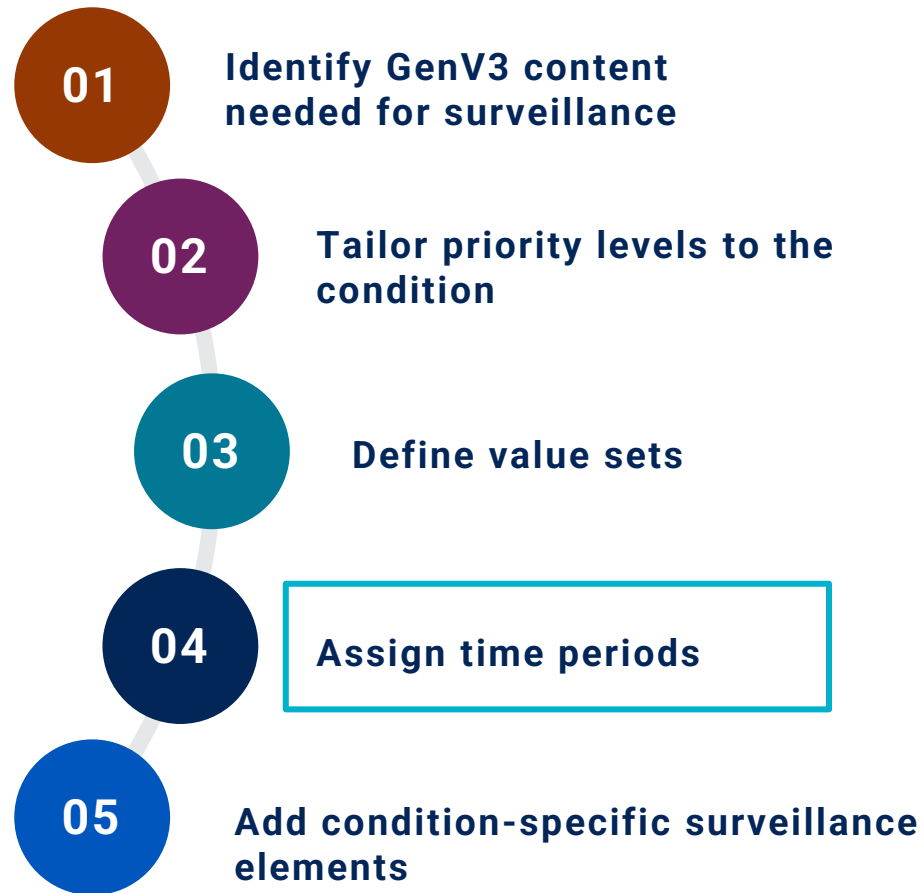
Development Process



Define value sets

- Exposures, Signs & Symptoms, Underlying Health Conditions, Medication, and Laboratory currently either lack value sets or only have code systems specified
- Development of MMGs will include creating value sets for each coded data element currently lacking a value set

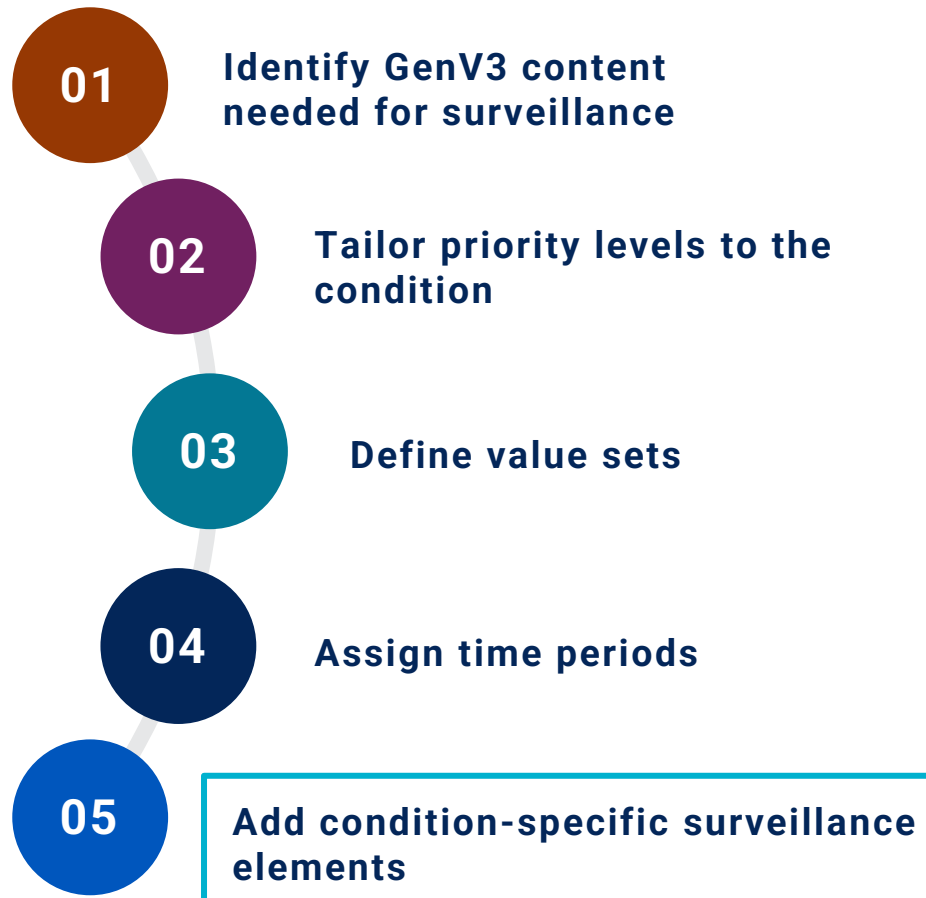
Development Process



Assign time periods

- Some data classes (e.g., exposures) require a specified time frame
- Examples:
 - *Within 14 days before symptom onset*
 - *From 10 days before diagnosis through 7 days after diagnosis*

Development Process



Add condition-specific surveillance elements

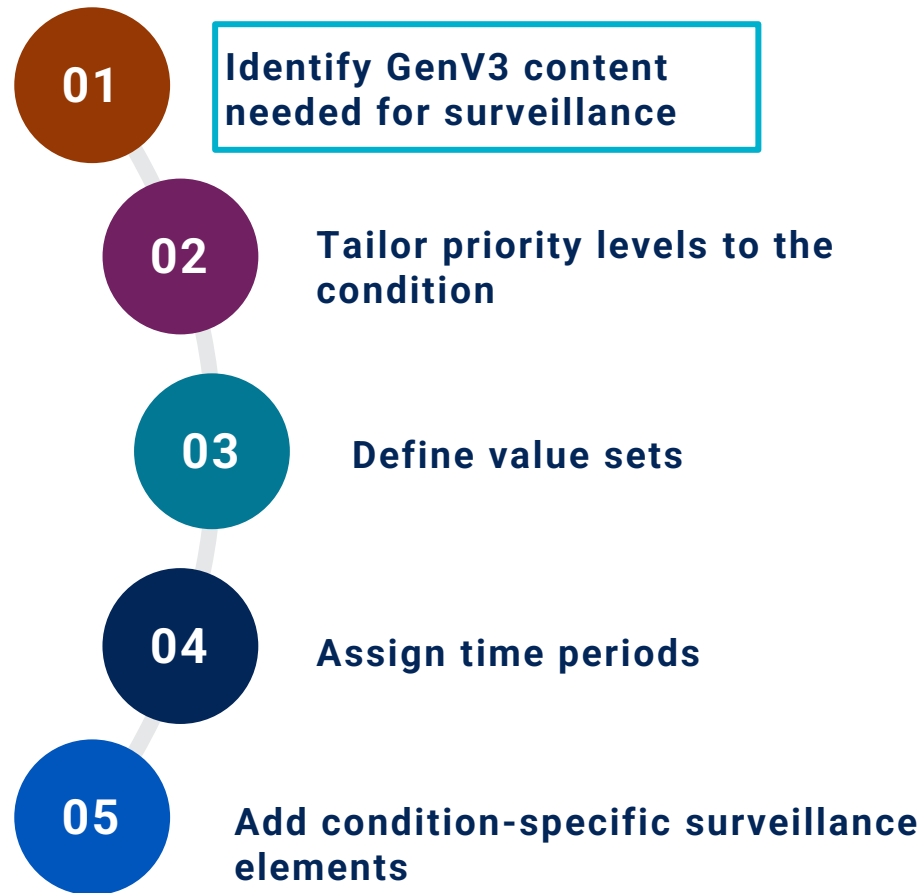
- Data elements critical for some national surveillance activities may not be present in GenV3
- CDC programs will be able to add certain data elements to meet national surveillance needs
- Added data elements can either be part of repeating groups or stand-alone

Example Scenario

- Condition '*Alpha Flu*' is added to list of nationally notifiable conditions (NNC)
- An MMG needs to be created to communicate what information should be sent to NNDSS for Alpha Flu



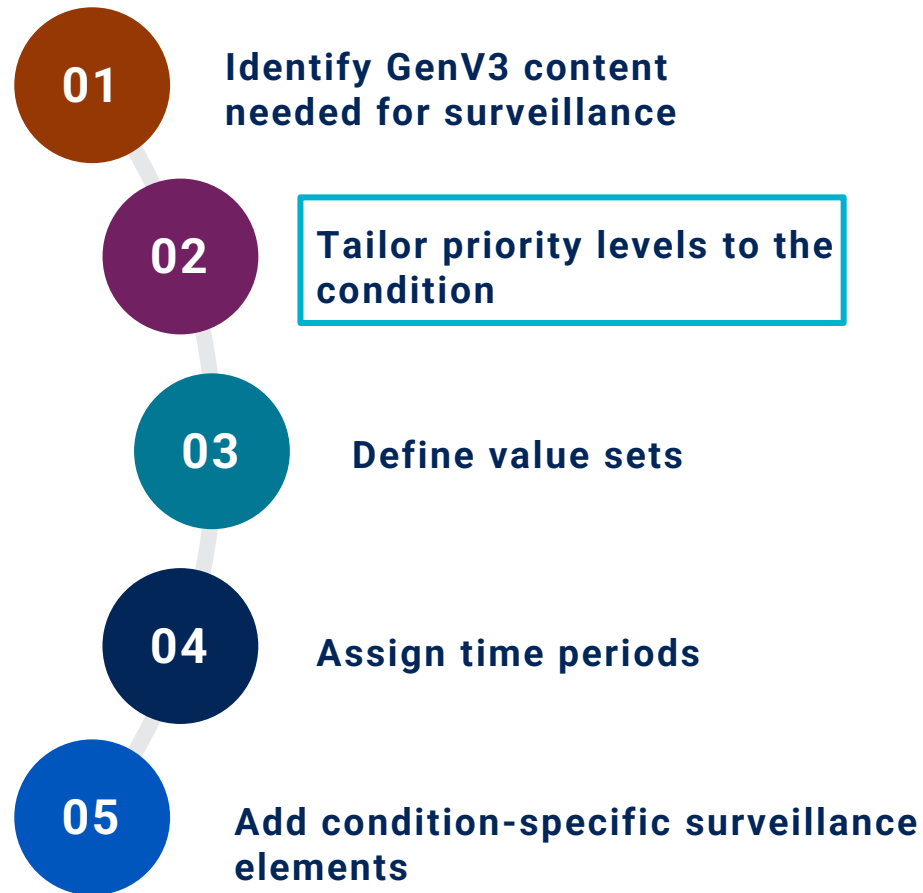
Development Example



Identify Generic v3 content needed for national surveillance

- In addition to the universal data elements, the CDC program needs information on the following for national surveillance of Alpha Flu:
 - Exposures
 - Laboratory
 - Signs & Symptoms

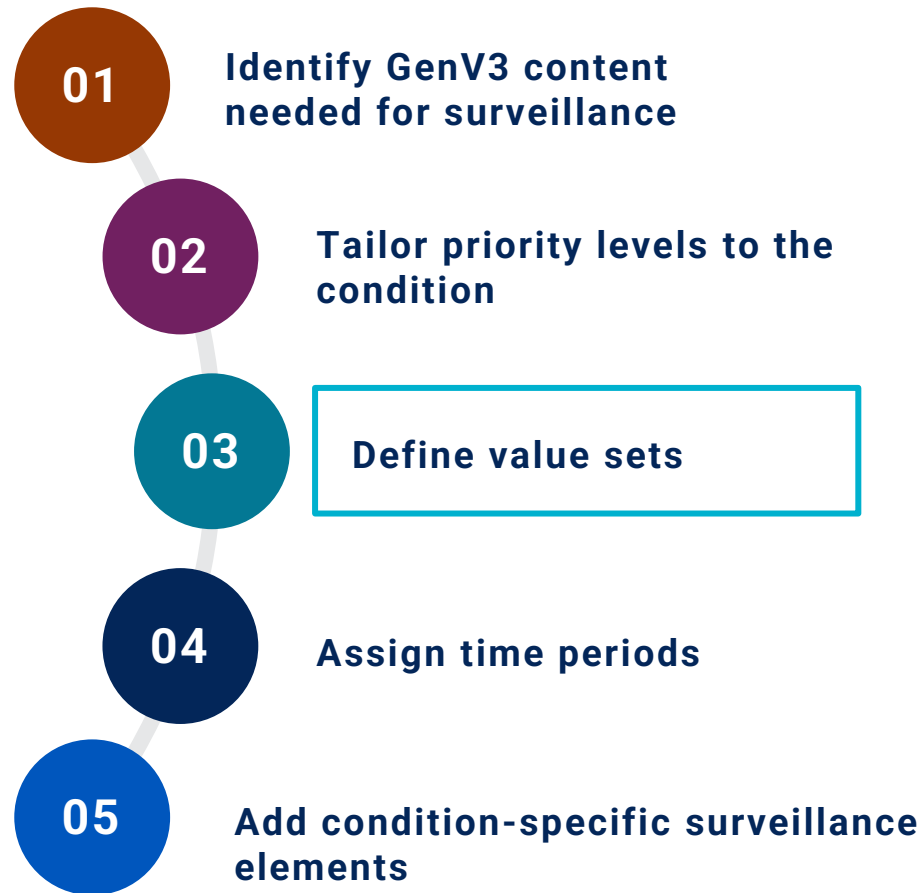
Development Example



Tailor priority levels to the condition

- CDC program defines priority 1-3 for each Alpha Flu data element, depending on the relative importance to the condition
- **Exposure** data elements are assigned **priority 1** for understanding possible transmission
- **Laboratory** data elements are assigned **priority 2** to understand testing completed and results
- **Signs & symptoms** are assigned **priority 3** as these are less important to know for this condition

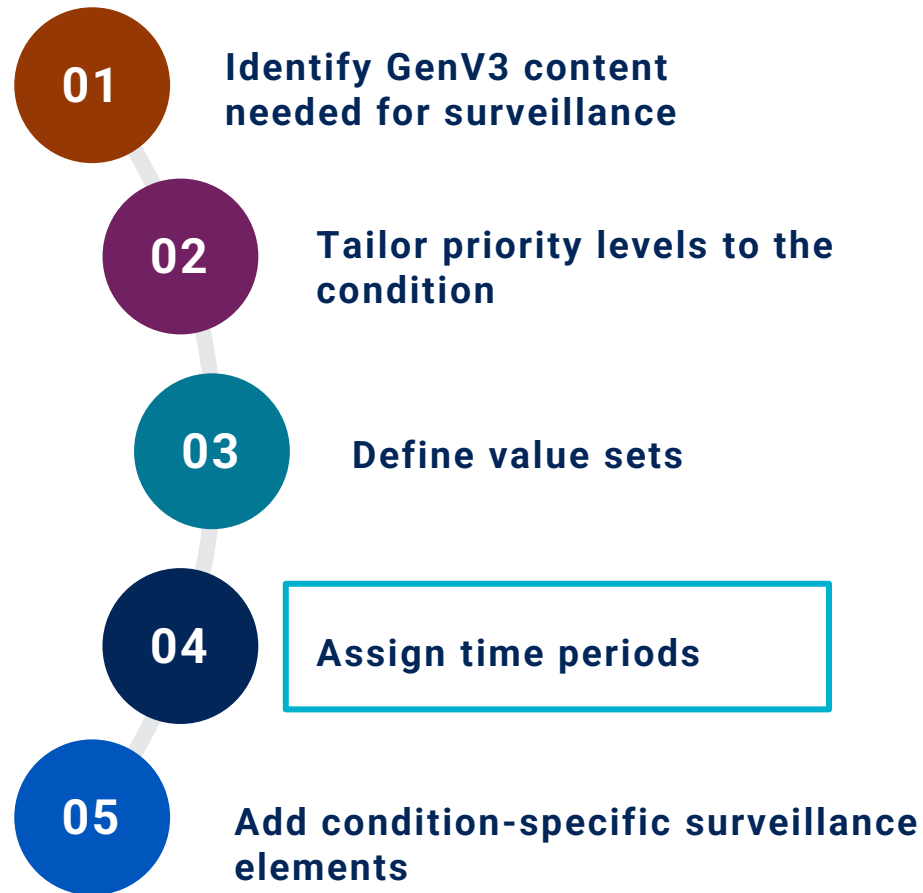
Development Example



Define value sets

- CDC program and OPHDST work together to define value sets for Alpha Flu
- **Exposures** value set includes:
 - Contact with a known case
 - Was on a cruise
 - Injection drug use
 - Was resident of a nursing home
- **Signs & symptoms** value set includes:
 - Headache
 - Fever
 - Vomiting
 - Nausea

Development Example



Assign time periods

- Data elements associated with exposures require a time frame to define when the exposure is relevant for the condition
- For Alpha Flu, the program defines exposure window as 5-14 days before symptom onset

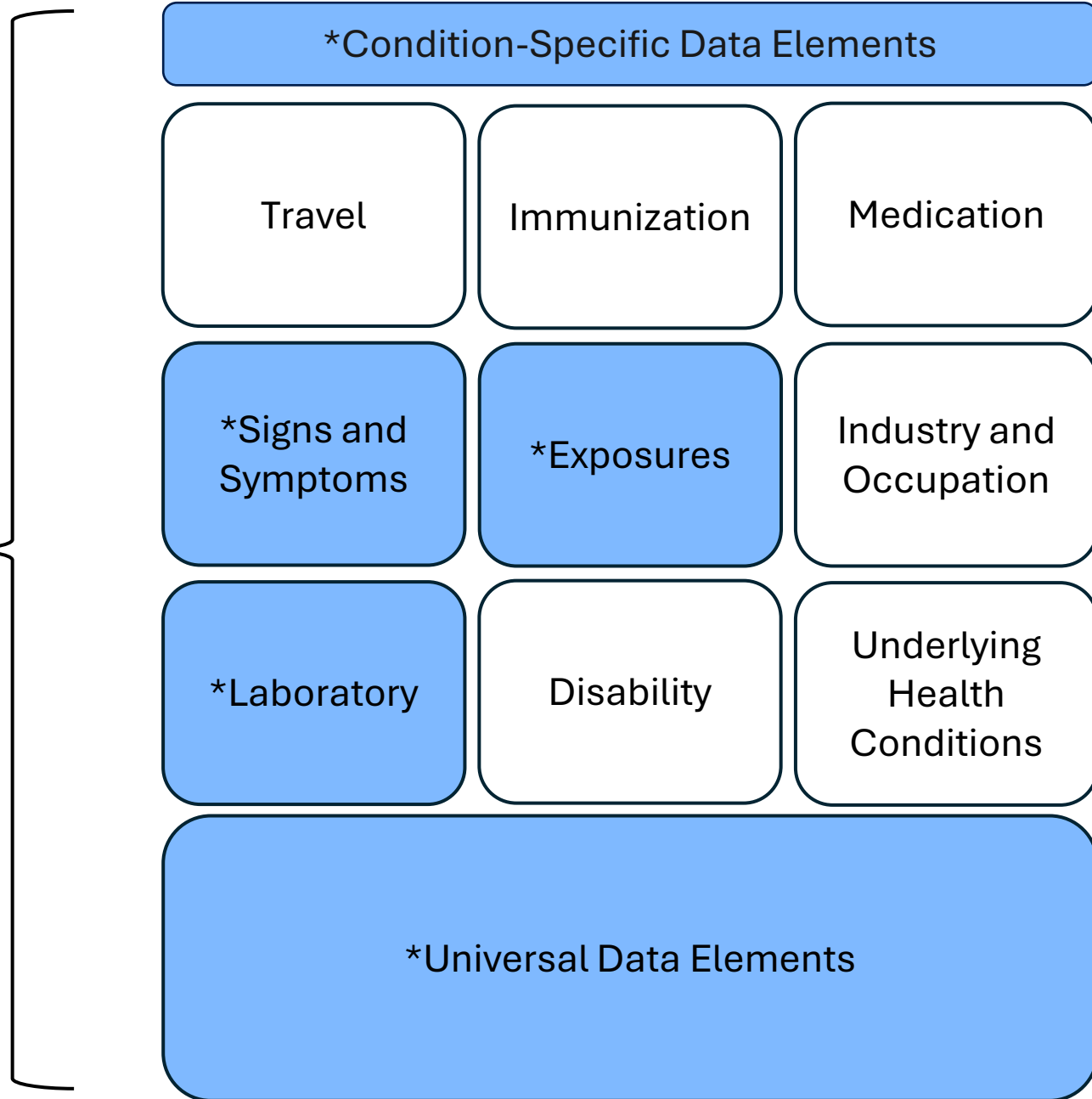
Development Example



Add condition-specific surveillance elements

- In addition to Generic v3 content, national surveillance for Alpha Flu also needs:
 - History of blood transfusions & organ transplants (**2** data elements)
 - Whether patient was a food handler or healthcare worker (**2** data elements)
- For the Alpha Flu MMG, **4** data elements are added to gather this information
- Any additional data elements beyond GenV3 will be asked similarly across all MMGs

Case Notification for Alpha Flu



*GenV3 data elements to be included for alpha flu case notifications

Publish for Jurisdictional Review

- Share MMG for jurisdictions to review and provide feedback ahead of any implementation
- We are proposing to add two questions for programs to answer for each condition-specific data element beyond what is in GenV3. These answers will be made available to jurisdictions as part of the review.
 1. How will the CDC program use this data to support public health action?
 2. How should jurisdictions expect to collect this information?
 - For example, what data sources, transformations, and mappings are necessary for collecting this information?

Piloting and Cohorts

- After completion of each Generic v3-aligned condition-specific guide, we will hold a pilot like the current Generic v3 pilot
- Feedback from the pilot will inform the final guide
- We will offer cohorts the same way cohorts are offered for the current GenV2-aligned guides

Upcoming Work

- Currently have 21 GenV2-based condition-specific MMGs that will need to move through this process
- MMGs will be divided into groups and updated in phases over the next several months
- MMGs will be grouped and prioritized based on criteria such as:
 - Potential to be needed for response
 - Program readiness
 - Potential to transition jurisdictions from legacy formats
- Preparing to start first group this fall – finalizing with programs
 - Foodborne and Diarrheal Diseases (FDD), Tickborne and Rickettsial Diseases (TBRD), and Sexually Transmitted Diseases (STD), and hepatitis in consideration for group 1



Q&A

Thank You!

Next NNDSS eSHARE: July 21, 2026



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



Appendix:

Accompanying Text

Accompanying Text for Slide 21

(Section 508 Compliant Text)

- The graphic shows the groups of GenV3 data elements that would be included for case notification for alpha flu. Case notification for alpha flu would include the universal data elements, laboratory, signs and symptoms, exposures, and condition-specific data elements.

[Return to relevant slide](#)