Overview: Influenza and Routine Vaccination Administration Reporting

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May 3, 2023

Vaccination Data Submission Frequency

✓ **Routine Vaccination Data Values** for jurisdictions with a signed DUA, including **all demographic and vaccination records reported to the registry, are reported on a quarterly basis.**

✓ **Aggregate Influenza Vaccination Data Values** for jurisdictions with a signed DUA are **reported on a monthly basis.**

Current Data Specifications

Quarterly *Routine Vaccination Data*	*Monthly* *Aggregate Influenza Vaccination Data*
Version 13 of Appendix C and D	**Version 11 of Appendix B**

Routine and Influenza Vaccination – Key Metrics and Summary

DUA Signature Status (updated: 4/21/23)

Signed as Intended	Signed with Changes	In Progress (redlines)	Not Signed
43	6	3	18

Monthly Influenza Data Submissions (updated: 4/21/23)

Jurisdictions	Dec Data *Submitted Jan*	Jan Data *Submitted Feb*	Feb Data *Submitted Mar*	Mar Data *Submitted Apr*
	Total	Total	Total	Total
Expected to Submit[1]	25	27	31	34
Submitted	9	23	25	32

Quarterly Routine Data Submissions Metrics (updated: 4/21/23)

Data Submission	Q4 2022 Data *Submitted Jan*	Q1 2023 Data *Submitted Apr*	Q2 2023 Data *Submitted Jul*	Q3 2023 Data *Submitted Oct*
Jurisdictions Expected to Submit	25	29	-	-
Jurisdictions Submitted	15	6	-	-
Jurisdictions Submitting to PPRL[2]			-	-

[1]Expected to submit means signed DUA and onboarded to a submission mechanism.
[2]PPRL is paused pending contract finalization. Expected PPRL contract to be in place in May 2023.
[3]*In future iterations,* this can be used to denote number of jurisdictions using the aggregate quarterly specification.
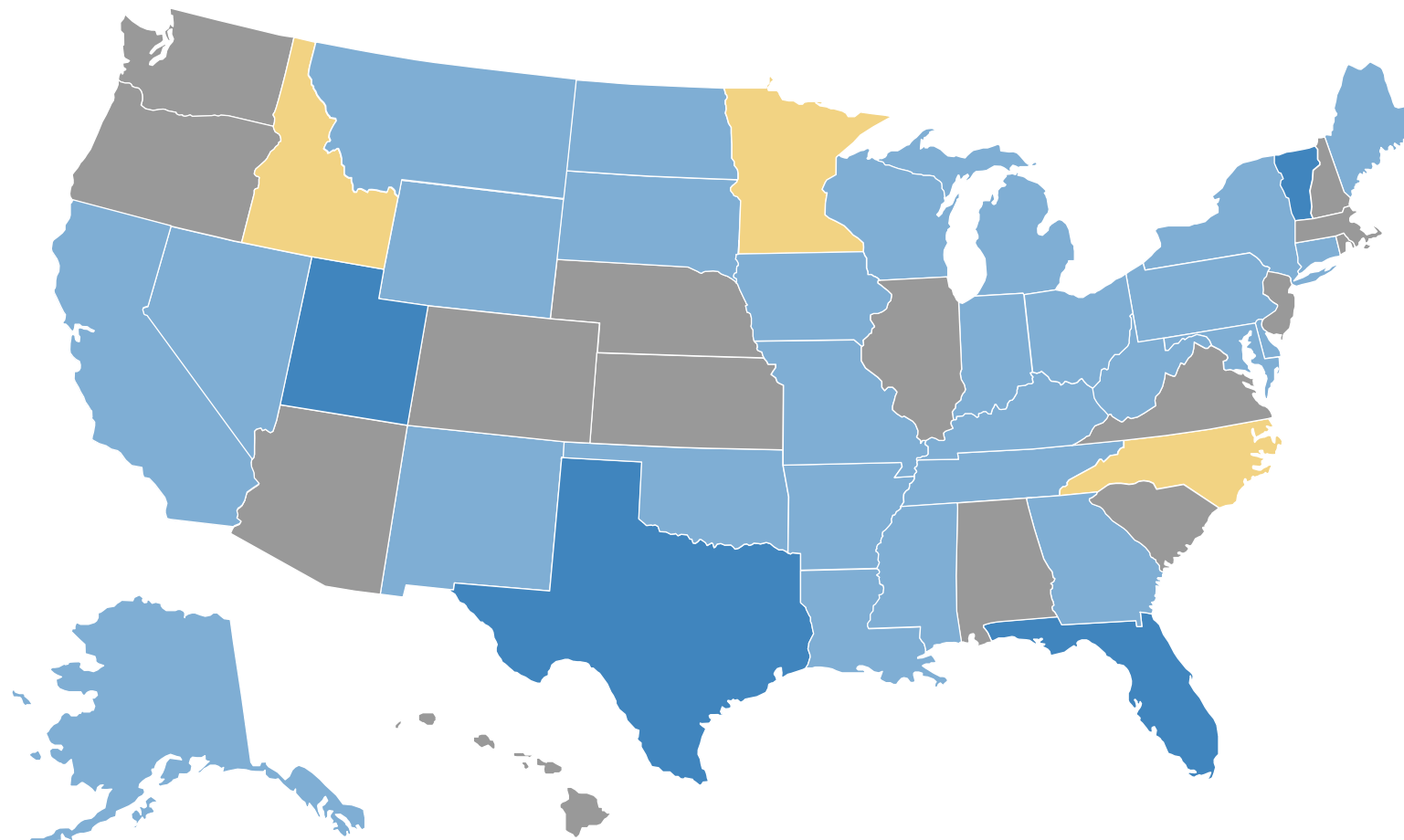
Notes and Trends

- Key themes in redlines: full data of birth (DOB), county
- DUA signature blockers: policy (SC & MA), Privacy Preserving Record Linkage (PPRL) questions, data use questions/concerns
- An aggregate quarterly specification is currently in progress (will impact TX and possibly ID)

Data Use Agreement Signature Status (N=64)

Jurisdictions Not Depicted

- American Samoa
- Chicago*
- Guam
- Houston*
- Marshall Islands
- Micronesia
- Northern Mariana Islands
- NYC
- Palau
- Philadelphia
- Puerto Rico
- San Antonio*
- USVI
- Washington DC

Signed as intended (n=43) Signed with changes (n=6) In process (redlines) (n=3) Not signed (n=18)

*These cities are covered under their state DUA
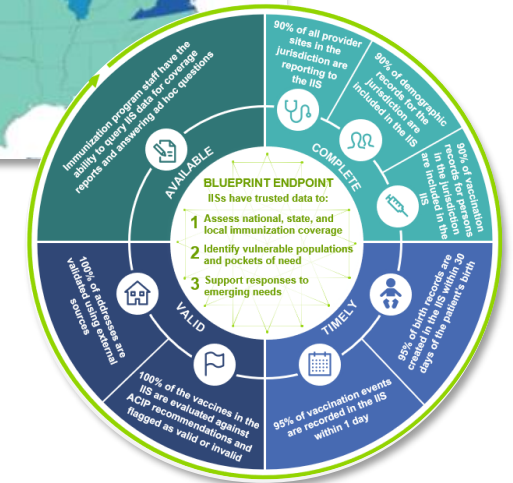
The Rationale Behind Data Submission

Building on the COVID-19 pandemic, we seek **to understand** the following important public health issues at the national level:

- Vaccination coverage at the national and jurisdiction level

- Areas of low vaccination coverage

- Populations at risk of vaccine preventable disease

- Characteristics of populations with high/low coverage

- Quality of IIS data (available, timely, complete, valid, accurate, consistent, unique)

Additional benefits:

- The effort takes advantage of data exchange infrastructure awardees are already using (IZ Gateway, CC4)

- CDC will provide regular feedback to help jurisdictions continue in their data quality improvement efforts

Reviewing the Systems for Routine and Influenza Vaccination Data Submission

Secure FTP (SFTP)

The secure file transfer platform enables encrypted file sharing from jurisdictions to CDC.

Quick Facts:

- SFTP is the **short-term solution**
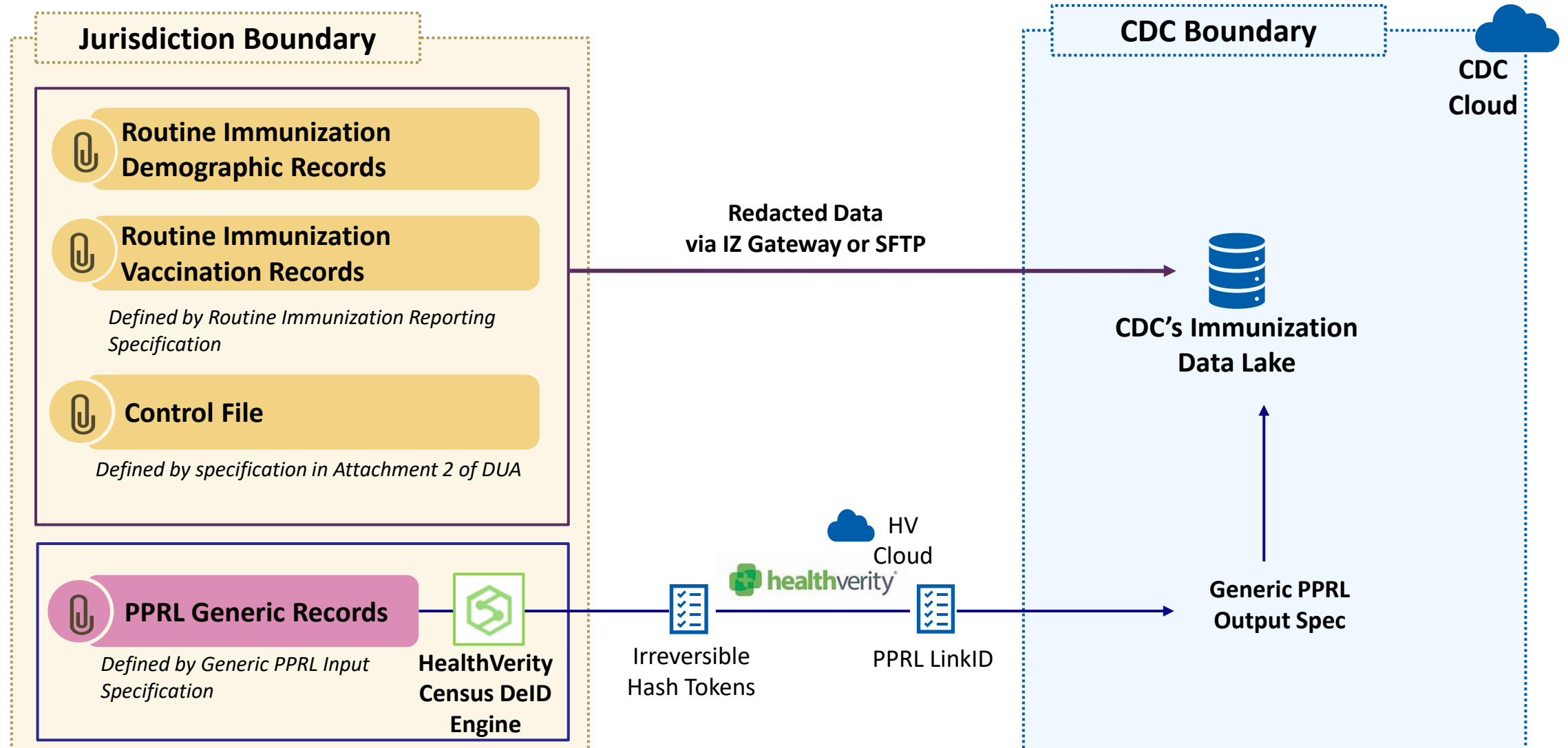- A login and password are required to access the secure FTP site

IZ Gateway

A cloud-based message routing service intended to enable data exchange between IISs, other provider systems, and the Immunization Data Lake (IZDL).
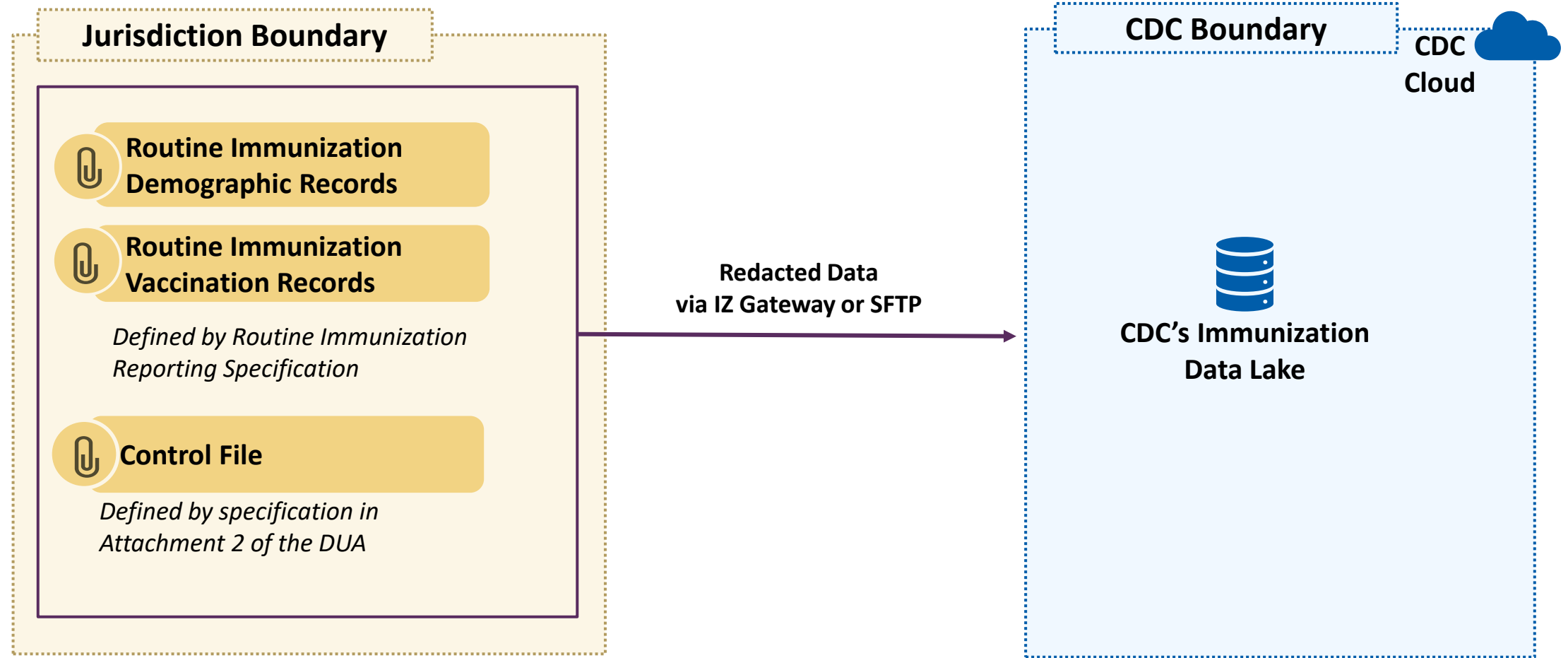
Quick Facts:

- IZ Gateway is the **long-term solution**
- Enables centralized data exchange and eliminate the need for multiple, individual, point-to-point connections
- Seven awardees are currently enrolled in a pilot program

Routine Vaccination Data Submission Process

Routine Vaccination Data Submission Without PPRL

Jurisdiction Boundary

Routine Immunization Demographic Records

Routine Immunization Vaccination Records

Defined by Routine Immunization Reporting Specification

Control File

Defined by specification in Attachment 2 of the DUA

Redacted Data
via IZ Gateway or SFTP

CDC Boundary

CDC Cloud

CDC's Immunization Data Lake

How to Submit Influenza Data

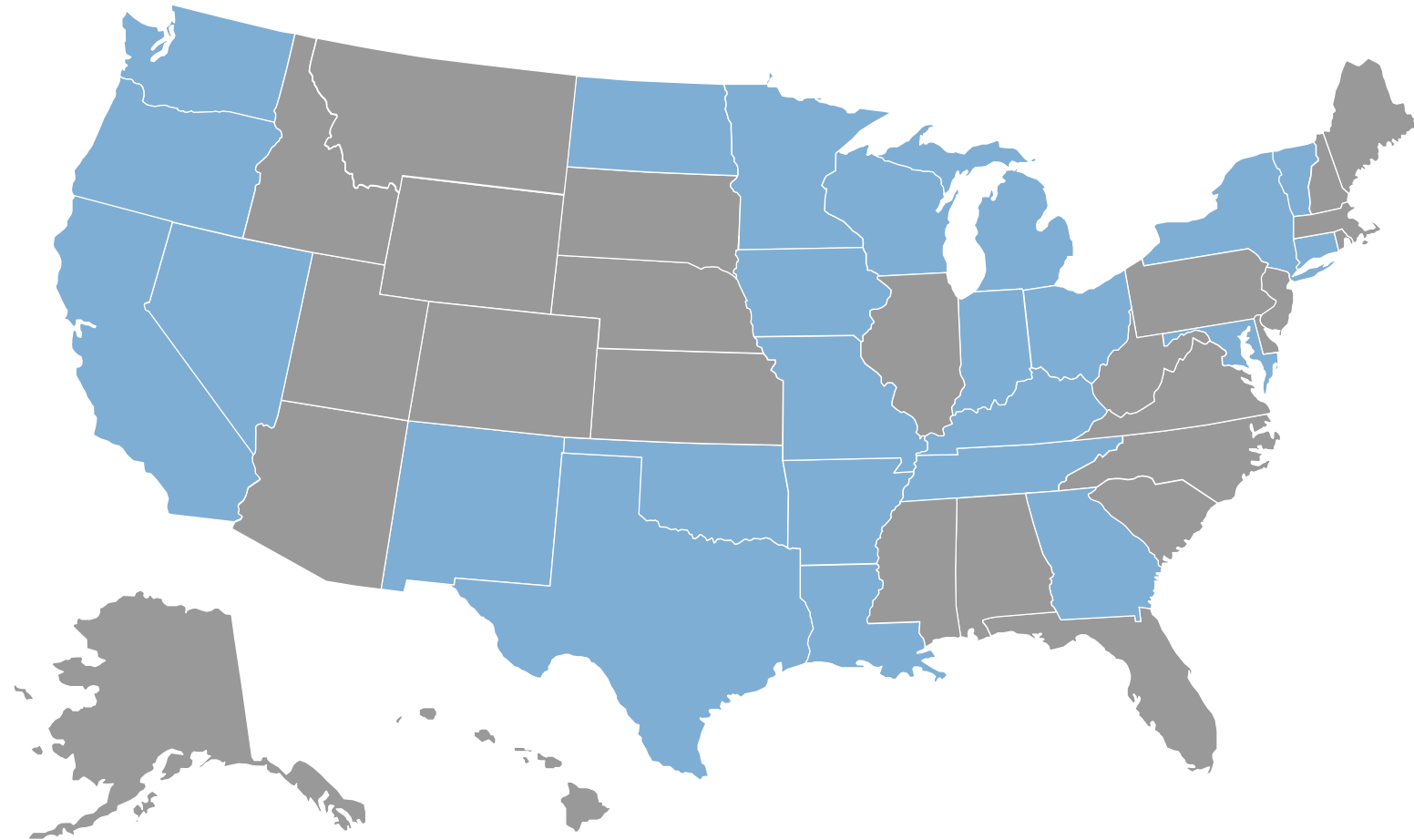| Flu Season	Month	Vax date	6 months-23 months	2-4 years	5-8 years	9-12 years	13-17 years	18-49 years	50-64 years	65+ years	6 months to 17 years	All adults (+18)	Overall (all ages)
# Persons who received 1+ flu dose, by age group													
2020-21			DOB range: 1/1/2020-7/1/2019	DOB range: 7/1/2018-7/1/2016	DOB range: 7/1/2015-7/1/2012	DOB range: 7/1/2011-7/1/2008	DOB range: 7/1/2007-7/1/2003	DOB range: 7/1/2002-7/1/1971	DOB range: 7/1/1970-7/1/1956	DOB <= 7/1/1955	DOB range: 1/1/2020-7/1/2003	DOB <= 7/1/2002	DOB <= 1/1/2020
	Jul	7/1/2020-7/31/2020											
	Aug	7/1/2020-8/31/2020											
	Sept	7/1/2020-9/30/2020											
	Oct	7/1/2020-10/31/2020											
	Nov	7/1/2020-11/30/2020											
	Dec	7/1/2020-12/31/2020											
	Jan	7/1/2020-1/31/2021											
	Feb	7/1/2020-2/28/2021											
	Mar	7/1/2020-3/31/2021											
	Apr	7/1/2020-4/30/2021											
	May	7/1/2020-5/31/2021											
	June	7/1/2020-6/30/2021											
2021-22			DOB range: 1/1/2021-7/1/2020	DOB range: 7/1/2019-7/1/2017	DOB range: 7/1/2016-7/1/2013	DOB range: 7/1/2012-7/1/2009	DOB range: 7/1/2008-7/1/2004	DOB range: 7/1/2003-7/1/1972	DOB range: 7/1/1971-7/1/1957	DOB <= 7/1/1956	DOB range: 1/1/2021-7/1/2004	DOB <= 7/1/2003	DOB <= 1/1/2021
	Jul	7/1/2021-7/31/2021											
	Aug	7/1/2021-8/31/2021											
	Sept	7/1/2021-9/30/2021											
	Oct	7/1/2021-10/31/2021											
	Nov	7/1/2021-11/30/2021											
	Dec	7/1/2021-12/31/2021											
	Jan	7/1/2021-1/31/2022											
	Feb	7/1/2021-2/28/2022											
	Mar	7/1/2021-3/31/2022											
	Apr	7/1/2021-4/30/2022											
	May	7/1/2021-5/31/2022											
	June	7/1/2021-6/30/2022											
2022-23			DOB range: 1/1/2022-7/1/2021	DOB range: 7/1/2020-7/1/2018	DOB range: 7/1/2017-7/1/2014	DOB range: 7/1/2013-7/1/2010	DOB range: 7/1/2009-7/1/2005	DOB range: 7/1/2004-7/1/1973	DOB range: 7/1/1972-7/1/1958	DOB <= 7/1/1957	DOB range: 1/1/2022-7/1/2005	DOB <= 7/1/2004	DOB <= 1/1/2022
	Jul	7/1/2022-7/31/2022											
	Aug	7/1/2022-8/31/2022											
	Sept	7/1/2022-9/30/2022											
	Oct	7/1/2022-10/31/2022											
	Nov	7/1/2022-11/30/2022											
	Dec	7/1/2022-12/31/2022											
	Jan	7/1/2022-1/31/2023											
	Feb	7/1/2022-2/28/2023											
	Mar	7/1/2022-3/31/2023											
	Apr	7/1/2022-4/30/2023											
	May	7/1/2022-5/31/2023											
	June	7/1/2022-6/30/2023											

Appendix B: Monthly Influenza Reporting Template

Monthly Influenza Submission Reminders

- File names should follow this format: **MonthlyFlu_(three digit state code)_ (applicable yearmonth).xlsx**
    - Example: A February submission from AAA would look like: **MonthlyFlu_AAA_2020FEB.xlsx.**
- Both xlsx and xls formats are acceptable
- Do not zip the file
- Cumulative counts with recently updated numbers should be submitted to reflect only the current month within the specific influenza / flu season
    - For example, 7/1-7/31 for July; 7/1-8/31 for August; 7/1-9/30 for September
    - The submission of cumulative counts allows for the inclusion of results from past month results to account for doses reported after the date of the previous month's report
    - You do not need to re-run the past month or past season results

March 2023 Monthly Influenza Submissions (submitted April 2023)

Jurisdictions Not Depicted

- American Samoa
- Chicago*
- Guam
- Houston*
- Marshall Islands
- Micronesia
- Northern Mariana Islands
- NYC
- Palau
- Philadelphia
- Puerto Rico
- San Antonio*
- USVI
- Washington DC

● Submitted (n=28)   ● Not submitted (n=36)

*Data from these cities is submitted with state submissions

Common Influenza Submission Errors

February Errors	# of occurrences in February
Naming Convention of File	5
Reported Numbers are Incorrect	1
Incorrect Template	9
Placed in Wrong Folder	1
Total	16

March Errors	# of occurrences in March
Naming Convention of File	5
Reported Numbers are Incorrect	0
Incorrect Template	0
Placed in Wrong Folder	1
Total	6

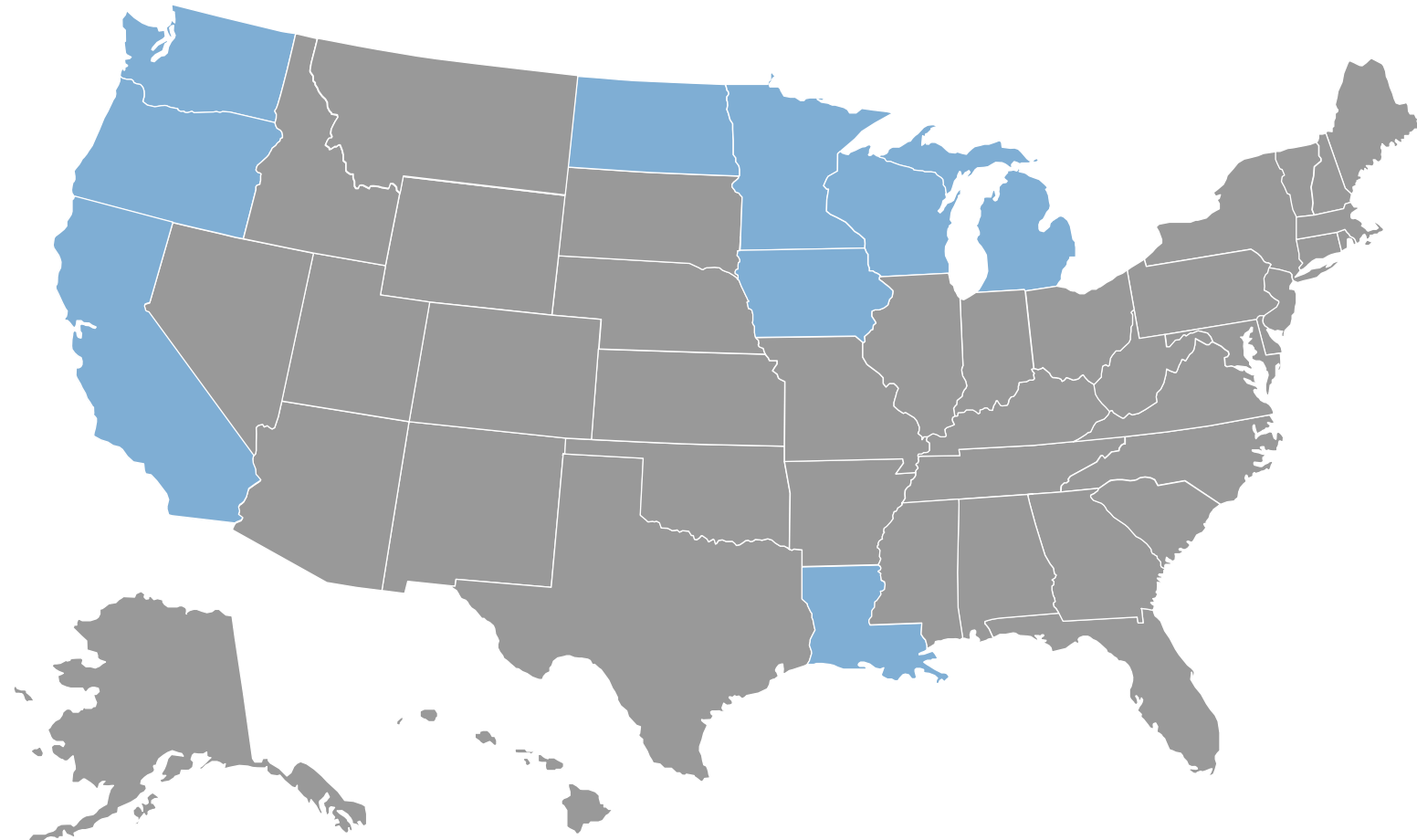# How to Submit Routine Data

Preparing for Routine Data Submission

For jurisdictions that **have** signed the Routine and Seasonal Influenza Vaccination Data Use Agreement (DUA)

✓ Ensure a Point of Contact (POC) who will oversee the data submission process for your jurisdiction has been identified at the time your DUA is signed

- Send POC information for your jurisdiction to your IIS SME

✓ Confirm your staff who will oversee business processes related to data submission (e.g., preparing test files, preparing production files, troubleshooting, and executing submission)

✓ Work with your IIS technology partner to:

- Create a demographic record file using specifications in Appendix C of the DUA

- Create a vaccination record file using specifications in Appendix D of the DUA

- Create a control file using specifications in Attachment 2 of the DUA

Q4 2022 Quarterly Routine Data Submissions (submitted January 2023)

Jurisdictions Not Depicted

- American Samoa
- Chicago*
- Guam
- Houston*
- Marshall Islands
- Micronesia
- Northern Mariana Islands
- NYC
- Palau
- Philadelphia
- Puerto Rico
- San Antonio*
- USVI
- Washington DC

Submitted (n=10)   Not submitted (n=54)

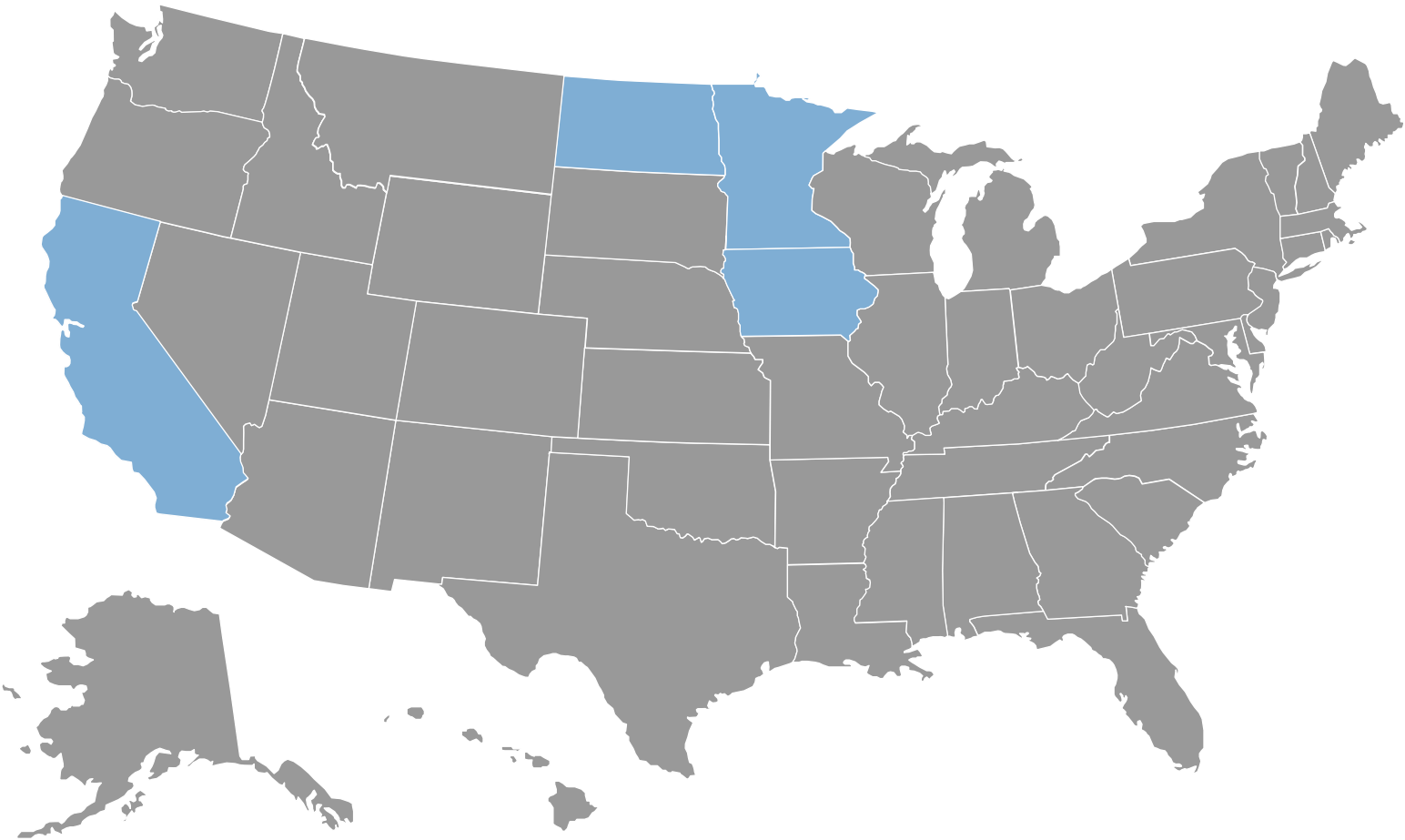*Data from these cities is submitted with state submissions

Q1 2023 Quarterly Routine Data Submissions (submitted April 2023*)

Jurisdictions Not Depicted

- American Samoa
- Chicago*
- Guam
- Houston*
- Marshall Islands
- Micronesia
- Northern Mariana Islands
- NYC
- Palau
- Philadelphia
- Puerto Rico
- San Antonio*
- USVI
- Washington DC

Submitted (n=4)   Not submitted (n=60)

*Data from these cities is submitted with state submissions

Next Steps for Data Submission

Next Steps for Jurisdictions

Jurisdictions that returned a signed DUA

- ❑ Submit monthly influenza vaccination data
- ❑ Confirm quarterly routine vaccination data submission project wave
- ❑ Begin to prepare for quarterly routine data submission
  - o Send contact information for the person who will oversee the data submission process for your jurisdiction
  - o Work with your IIS technology partners to:
    - o Create a demographic record file using specifications in Appendix C of the DUA
    - o Create a vaccination record file using specifications in Appendix D of the DUA
    - o Create a control file using specifications in Attachment 2 of the DUA

Jurisdictions that have not signed their DUA

- ❑ Update your IIS SME on submission of your DUA
- ❑ Work with your IIS SME to address questions hindering you from signing your DUA
- ❑ Confirm that your quarterly routine vaccination data submission project wave is correct

Next Steps

Jurisdictions that….	Should Plan to…
Submitted data	Continue to do so
Signed their DUA	Start submitting data
Have not signed their DUA	Sign the DUA and start submitting data
Are participating in the IZ Gateway pilot	Submit routine and influenza data via STFP until they can use IZ Gateway

Next Data Submission Dates

By May 9 aggregate Influenza data

By July 31 quarterly routine vaccination data

Contact your IIS SME with any questions.

Thank you for attending!

Contact IISInfo@cdc.gov with questions.

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348   www.cdc.gov

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.