



Division of Disease Control and Prevention

Immunization Program

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UTAH DEPARTMENT OF
HEALTH

Accuracy and Completeness of Immunization Records in USIIS

Major issues impacting accuracy and completeness of USIIS:

1. Reporting is voluntary; USIIS receives immunizations if a provider configures Electronic Health Record (EHR) to report or manually reports.
2. We do not have a good denominator of which clinics/providers administer immunizations.

Actions taken to improve accuracy and completeness of USIIS:

Issue 1: Tdap and TD underreported in youth

1. Implemented real-time process with Intermountain Healthcare to ensure USIIS has records all of all Intermountain patients and immunizations.
 - a. Enables better denominator of youth eligible for Tdap and TD.
2. Working with Granite School District to create interface with USIIS to exchange immunization data on students from school information system. This will improve completeness of school age immunizations.
 - a. Will roll out to all districts once pilot is complete.

Current Tdap rates in USIIS

RECORDS IN USIIS WITH A UTAH ADDRESS AND NOT MARKED AS DECEASED

Nis estimate	~89%		
Total records youth 11-18	548,431	Active records youth 11-18 (in last 10 years)	476,346
Total records with >= 1 tdap	302,031	Active records with >= 1 Tdap	301,741
PERCENT	55%		63%

Issue 2: Adults over 65 years old not linked to death records

1. Integrating with the Office of Public Health Informatics Department of Health Master Person Index (DOHMPI) to link USIIS records to DOHMPI.
 - a. Through DOHMPI, we will be notified when a USIIS record is linked to a death record.
 - b. Moving system to test, should be in production by October 2020.

Issue 3: Identifying how many medical providers are not enrolled in USIIS

1. Analyzing list of providers who submitted claims to the All Payer Claims Database (APCD) for an immunization

- a. H. B. 209 Health Data Authority Amendments (2020 GS) passed allowing APCD to disclose identifiable claims data to USIIS.
 - b. APCD participation is low. Only about 30% to 50% of the immunizations reported to USIIS are in APCD (USIIS received >3,200,000 immunizations in 2019, APCD has just under 1,000,000)
 - c. Many claims are submitted under provider name, not facility. Will take time to map providers to facilities to get a clean denominator.
2. There isn't an existing list of providers that perform immunizations
 - a. Working to obtain a list of healthcare businesses from the Department of Commerce.
 - b. Would have to manually call each business and confirm if they administer vaccines.
 - c. All major health systems, large pediatric clinics and hospitals are enrolled. Currently, there is no way to tell how complete reporting is.

Other USISS Improvements:

We are rolling out a phone app and website for individuals to access their own immunization records. Through improved access, we hope that will help individuals ensure their record is complete and contact their providers when immunizations do not show in the record. This effort is currently being pilot tested with Salt Lake County School District. Statewide rollout is expected to occur in October, 2020.