

Improving the National Immunization Surveys (NIS)-IIS Match Reports

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Agenda

- Background
- Purpose of this Workshop
- Breakout Sessions
- Group Discussion

Background

NIS-Child Overview

- Sponsored by the Centers for Disease Control and Prevention (CDC)
- Monitors vaccination coverage rates for children 19-35 months
- Nationwide cell-phone random-digit-dial (RDD) survey
 - Was dual-frame landline/cell-phone through 2017
- National, state, and selected local area and U.S. territory estimates of vaccination coverage using a standard methodology
- Two phase data collection: household and child's provider(s)
 - Household telephone interview to obtain data on child, mother, and household and to gain consent to contact health care providers
 - Providers mailed an Immunization History Questionnaire (IHQ) for detailed vaccination records

IIS Overview

- Immunization Information Systems (IISs) are state or local confidential, computerized, population-based data systems that collect and consolidate vaccination doses administered to individuals by participating vaccination providers
- Functional standards established in the 1990s
- Varying levels of completeness of the population of children 19-35 months
- Varying levels of completeness of child vaccination histories for children included in the IIS

Matching Process

- IIS match projects offer ability to compare and assess the quality and completeness of the IIS data to data collected in the NIS-Child
- During the NIS-Child household interview, respondents are asked for permission to contact both the child's vaccination providers and their local immunization registry
- For respondents with consent to contact the IIS, NORC matches the NIS-Child children to children in the IIS database
 - Matching process looks for exact and “likely” matches between the NIS-Child and IIS eligible children
 - Manual review of likely matches to assess probability of match
- Match report provides findings around matching and completeness of IIS vaccination histories compared to the NIS-Child data

History of NIS-IIS Match Projects

- IIS match projects began in 2008
- Built on similar projects conducted in 2002, 2004
- 29 IIS match projects have been completed since 2008 for NIS-Child across 18 geographic areas
- Some states requested reports for multiple years
- Currently being offered as incentive for engaging in the first wave of the IIS-NIS integration in 2019
- Participants will receive a report containing results based on the 2019 data collection
- Will continue to be offered as a stand-alone product

Purpose of this Workshop

NIS-IIS Match Project Goals

- Assess IIS quality and completeness using NIS-Child data
- Help IISs understand the following
 - How complete is IIS in terms of children aged 19-35 months
 - How do vaccination rates computed from the IIS vaccination histories compare to rates computed from the NIS-Child provider-reported vaccination histories
 - How complete are the vaccination histories for each ACIP-recommended vaccine or series in the IIS compared to the NIS-Child
 - What characteristics of providers or children/families are associated with completeness of IIS vaccination records, especially characteristics that would provide actionable information for the IIS

Our Mission

- We want the NIS-IIS match project to be as useful as possible to jurisdictions who participate in the project

Feedback? Yes, Please!

- Please help us gather feedback from you on what would be the most meaningful and useful for the reports that result from this project



Breakout Sessions

For the next 20 minutes...

- Moderators will lead a discussion in small groups and record your feedback on the NIS-IIS match process
- After 20 minutes, we will come back together and hear some of the ideas that were generated during the small group discussions



Group Discussion

Your Suggestions and Feedback

- Potential topics for discussion:
 - Past participation
 - Format of information delivery
 - Data elements included
 - Type of information displayed
 - Actionable items
 - Level of customization
 - Technical assistance

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Thank **YOU** for your participation today!

For more information, contact CDC
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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 Centers for Disease Control and Prevention.

