



KIDSNET UPDATE

RHODE ISLAND'S INTEGRATED CHILD HEALTH INFORMATION SYSTEM

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Happy Holidays and Happy New Year from KIDSNET



2024 Major Accomplishments

The KIDSNET team was hard at work this year, collecting, scrubbing and analyzing the data as well as maintaining and improving the system for our users. Don't hesitate to contact KIDSNET at DOH.Kidsnet@health.ri.gov for training or information on new features. Following is a summary of some of the major accomplishments this year:

Data Entry

- *The direct immunization history data entry*, available to immunizers upon request, was expanded to include an immunization history data entry page, an enhanced search feature, and an allowance for the data entry of two RSV doses administered on the same day.

Reports

- COVID-19 vaccination was removed from the *Preventive healthcare measures report*.
- Patients who are up-to-date on COVID-19 immunization are now excluded from the *COVID-19 report* for 2024-2025.
- Contact information on lead reports was updated to reflect staffing changes.
- A report was developed for *DCYF to view Child Outreach screening data* to help ensure children in foster care receive this important developmental screening.
- Created functionality to generate CDC's *Hearing Screening and Follow-up Survey (HSFS) in Excel format*.
- Added "*Early Intervention*" as a needed service *and children whose diagnosis is still in progress to the Newborn Hearing Screening Report*.
- Created an *internal Early Intervention referral report for Early Hearing Detection and Intervention (EHDI) staff*.



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Electronic Data Submission

- *HL7 acknowledgements ("ACK" messages)* returned electronically to sending systems are now more specific when there are problems with the submitted data.
- To prevent duplicate records, processing of immunization *data sent electronically from non-hospital sources is delayed until babies are 7 days old* in order to wait for the birth record to come to KIDSNET.
- *Automated* the annual *EHDI data submission to CDC*.

Data Partnerships

- *Added data exchange with Florida, Michigan, Delaware, Illinois, Refugee Health and the Vaccine Administration Management System (VAMS)*, a system for pandemic and other mass immunization administrations newly adopted by the Center for Emergency Preparedness.
- *Plan of Safe Care information was added to First Connections referrals* so that family visitors will be aware of the plan prior to visiting.

Data Quality

- *Removed 300,000 child aliases* that matched child name.
- *Implemented an automated sequential deduplication feature* which merges records when two copies of the same patient are sent to KIDSNET at the same time by a provider EHR.
- *Improved KIDSNET's vaccine deduplication application* by making it faster and easier to deduplicate vaccinations in non-routine vaccine groups.
- Programming was put in place to *automatically delete more duplicate vaccine doses, including HPV and Flu doses*, continuing deduplication progress from last year. More than 10,000 flu doses sent to KIDSNET with a prior-year (quadrivalent) code instead of a current-year (trivalent) code were fixed.
- *Maintained code tables* to include new vaccines/treatments (example RSV, 2024 COVID-19)

Technology

- Tested connections to KIDSNET's Fast Healthcare Interoperability Resources (FHIR) server and use of the "FHIR bulk data" standard to efficiently access up-to-date immunization data on large groups of test patients all at once with two Electronic Health Record systems (Epic and eClinicalWorks) and three other organizations. Please contact jeff.goggin@health.ri.gov if you would like to establish electronic bulk query with KIDSNET/RICAIR.

Web Application

- *Red font makes "DECEASED" stand out* more on the Demographics page.
- Made several *enhancements to Patient Search* and added an online training module to the Patient Search page.
- *Enhanced the display of Critical Congenital Heart Disease screening results* on the Newborn Screening page.
- Immunization Evaluation and Forecasting: Added a *new dedicated row for RSV* for infants and adults with "DUE Now if no prenatal dose" forecasting for infants; updated forecasting for *2024-25 Flu and COVID-19, and for combination MenABCWY*.
- Made "*Date Tested*" start as "*blank*" for audiology visit data entry to prevent accidental selection of today's date.
- *Show specific newborn hearing risk factors on the Hearing Assessment page*, instead of just "Risk factors associated with hearing loss."
- Added *online KIDSNET tutorial for primary care providers* to the KIDSNET left-hand menu (other user groups already have access to online tutorials).

Vaccine Ordering

- Introduced a new feature that allows select practices to *order limited availability product* such as RSV, Mpox, and adult Polio.
- *Converted the COVID-19 ordering workflow to a more general weekly ordering feature* suitable for COVID-19, RSV, and any other vaccines that need to be ordered weekly.
- *Harmonized monthly and weekly ordering and transfer rules*.
- Added '\$' icon to mouse over *to show the direct-ship dose cost* for awareness.
- Enhanced order menu *to show both primary and secondary reasons for orders on hold*.

