



KIDSNET UPDATE

RHODE ISLAND'S INTEGRATED CHILD HEALTH INFORMATION SYSTEM

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NOVEMBER / DECEMBER 2018

HAPPY HOLIDAYS

from the **KIDSNET** Team!



TESTIMONIAL

"KIDSNET is the first place I go to when I'm tracking a child lost to care. I check to see if they have siblings and if they are receiving services."

-Gail Davis, Registered Nurse, Certified (RNC)

KIDSNET Tips

1. When using KIDSNET web or your Electronic Health Record (EHR) to Query KIDSNET, information will only be returned for individuals who are currently under the age of 19, even if immunizations were submitted to KIDSNET before the person was 19 years old.
2. Search results with multiple children can be sorted by clicking on the column headings. When "date of birth" is clicked, the search results will be sorted from youngest to oldest. If this column heading is clicked again, the results will be sorted from oldest to youngest. Initially, all searches are sorted by last name, first name, middle name.



2018 ACCOMPLISHMENTS AND ACTIVITIES

Please join KIDSNET in celebrating the following 2018 accomplishments:

New Reports and Features:

- New address software is being used to validate and standardize addresses and reduce duplicate addresses. Over 775,000 addresses were adjusted in 2018.
- The Patient List Report now allows primary care providers to efficiently remove a child from their KIDSNET list by clicking a box when a child moved out of state or left the practice. This results in better outcomes for quality improvement activities, such as immunization coverage and lead screening.
- "Permission to provide information to KIDSNET" consent form was added to the Forms and Resources page for school nurses covered by school privacy laws.
- The Demographic Update page now allows primary care providers to edit demographic information (such as names, addresses, parent/guardian), to remove children from their practice, and to link a child to their practice by selecting their own practice under "Current PCP".
- Search results with multiple children can now be sorted by clicking on the column headers, such as "name" or "date of birth".

Immunization Registry:

- Disease immunity for Measles, Mumps, Rubella, Hepatitis B, Hepatitis A and Varicella can be recorded and displayed.
- Bi-directional Query-Response is available and in use by many practices. Providers with electronic health records (EHRs) that have this capacity can electronically "ask" KIDSNET if there are any immunization data for a specific child, and KIDSNET will respond electronically.

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- Practices can now run coverage reports to identify patients not meeting/meeting immunization requirements for quality improvement activities and care coordination.
- Influenza vaccine ordering is now age-based, allowing multiple products to be distributed based on patient age rather than a specific product brand.
- Statewide rollout of School Nurse Reports was completed. These reports list individual children meeting school immunization requirements by district school and grade, as well as providing aggregate summary data.
- KIDSNET can now accept and store National Drug Codes (NDCs) for immunizations when sent with the required CVX codes from electronic health records.

Other Maternal and Child Health Programs

- Three new conditions identified by the newborn bloodspot testing were added on October 1, 2018.
- Developmental screening data from family visiting programs are now sent to KIDSNET from the family visiting database and displayed on the Developmental Screening page.
- Healthy Families America and Parents as Teachers enrollment data from the family visiting database to KIDSNET was re-established.
- Newborn hearing screening results are now downloaded electronically directly from newborn hearing screening equipment.
- Immunization, Lead Screening, and Newborn Hearing Screening report features were extended to community partners that send enrollment data to KIDSNET, including Family Visiting, Early Intervention, WIC, Head Start, and Cedar.

Collaborations and Partnerships

- Participated in an interagency data project on child maltreatment led by the Executive Office of Health and Human Services (EOHHS) Data Ecosystem team.
- Collaborated with the Care Transformation Collaborative/Patient Centered Medical Home Kids initiative on care coordination of high-risk children and patient risk profile reports.
- Participated in a statewide project to assemble and analyze childhood obesity data.
- Participated on an advisory committee and data workgroup of the Environmental Public Health Tracking Network.
- WIC Lead Pilot Project – Lead screening status is displayed indicating if the WIC pilot site should conduct on-site screening.
- Completed state-wide rollout of the Pregnancy Risk Assessment Monitoring Survey (PRAMS)/WIC partnership.
- Initiated work with RI-AIR to increase submission of asthma action plans to KIDSNET.
- Provided data to RI Kids Count for their annual Fact Book.
- Worked with Hassenfeld Institute at Brown University on an early childhood data initiative.
- Provided data for numerous Institutional Review Board approved academic research projects.

Trainings/Presentations

- Developed online training module for school nurses.
- Published six issues of KIDSNET update newsletter.
- KIDSNET demonstrations at the 10th annual Center for Health Data and Analysis open house.
- Presentations at:
 - National Immunization Conference
 - RI State-Supplied Vaccine workshop
 - RI Immunization Provider conference
 - KIDSNET Reports Supporting Coverage Rate Improvement
 - KIDSNET Provider awards
 - American Immunization Registry Association National Conference
 - Web-Based Immunization Reports for Public Health Programs
 - Won honorable mention in Address Cleansing competition
 - Care Transformation Collaborative Annual Meeting
 - Insights into Your Patient Population from KIDSNET
 - Early Hearing Detection and Intervention (EHDI) poster presentation award
 - Rhode Island EHDI program ensuring that families are supported and engaged by improving the follow-up process, after a diagnosis of hearing loss.



Technical Improvements

- Completed an incremental migration of KIDSNET web services to a virtual server, retiring an older and less capable physical server.
- As part of a review of security best practices, strengthened KIDSNET password requirements (see "New Reports and Features" above) and installed Host-based Intrusion Detection software on KIDSNET's web server to supplement existing firewalls and other security measures.
- Updated KIDSNET's Transport Layer Security (SSL/TLS) certificate to maintain current industry standards, and installed operating system, database, and application server security patches.
- Successfully tested KIDSNET functionality using the Aggregate Analysis Reporting Tool (AART) provided by the American Immunization Registry Association.
- Improved the management and tooling for KIDSNET's source code and build processes to improve efficiency in the development and maintenance of enhancements across several environments (production, development, training, etc.)