

Impact SIIS for School Nurses

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*A Link to
Better Health*



Where are those immunizations?



Impact SIIS is the solution!

- Impact SIIS is a secure Web based, quality assurance tracking tool used by public and private sites in an effort to raise immunization rates and meet healthy people 2010 goals!



Issues

- ❖ Over 11,000 children are born each day, needing 18-22 shots by age 6 to protect them
- ❖ One in five children receive at least one unnecessary dose of vaccine. Cost to the taxpayer: \$30 million
- ❖ 22% of all U.S. children have seen at least two health care providers by 2 yrs of age
- ❖ Research shows many parents think their children are up-to-date but are mistaken
- ❖ ORC 3313.671 requires schools to collect satisfactory written evidence of student immunization according to ODH's approved schedule
- ❖ Students without satisfactory immunization documentation should be excluded after 14 school days until documentation is provided

Opportunities

- ❖ Impact SIIS is a web based application that tracks Ohio's immunizations
- ❖ SIIS can capture and retain critical VFC documentation, assist in managing vaccine inventory, reminder/recall system, information source for participating practices, Quality Assurance Initiative
- ❖ Families may lose immunization records due to floods, frequent moves, health care provider practice closure, etc.—being able to access immunization records online can prevent school exclusion
- ❖ The more private physicians who participate in the registry, the more complete the records are
- ❖ School nurse access decreases school exclusion and can increase awareness by families & private physicians



Benefits of Impact SIIIS

- Impact SIIIS consolidates immunization records from the public and private sectors
- SIIIS registry is already populated with patient information from EBC data and public health data
- Web-based CASA (Immunization level assessment) can be generated directly from SIIIS
- Personalized practice/clinic Web-based Vaccine Management
- Automatically generate Reminder/Recall notices
- Can Run/Track the VFC Program with Registry
- This system is *FREE* to all licensed providers and clinics in the state of Ohio
- Now schools & child care can report closure for infectious disease (H1N1)



Impact SIRS Stats

(through 06/29/09)

- Total Number of patients in the system:
8,285,378
- Total Number of Immunization histories:
35,111,131
- Number of Sites accessing the registry:
over 800
- Over 32,000 providers using accessing the system
- Prior to 2007, schools could not access the registry

Confidentiality

Because of the confidential nature of information contained in the registry, procedures have been put in place to guard the information

- In schools:
 - School administration must sign a confidentiality agreement
 - School administration must choose a “Key Master” nurse for the district
 - Annually, the Key Master nurse must:
 - Provide proof of current Ohio Board of Nursing licensure
 - Sign a security agreement
 - Provide training, passwords, etc. to other nurses in the district
 - Collect documentation from other district nurses of licensure status and security agreements

IMPACT SIIS

Statewide Immunization Information System

Welcome to Ohio's immunization registry and reminder system.

The system belongs to the entire medical community for the benefit of patients and is housed at the Ohio Department of Health.

[Benefits and features of the system. Why use it?](#)

[How to become an authorized user?](#)

Username:

Password:

Login

Clear

[Having trouble logging in?](#)

WARNING - The information contained in this system is protected by the Privacy Act (5 USC 552(3)4). Unauthorized access, use or tampering with this computer system and its data will subject violators to criminal, civil, and/or administrative action. When you login you are agreeing to the conditions contained in the user [Security Agreement](#).

Please read the [Computer System Requirements](#). This site is best viewed:

- at a screen resolution of 600 by 800 pixels or above,
- using [Internet Explorer](#) (IE) - Press to download.

[How to contact Ohio Department of Health](#)



Pilot Project

- 2007-2008 School Year
- Included 37 school districts from around the state
 - 4 urban
 - 8 small city
 - 5 suburban
 - 11 rural
 - 8 non-public
- School nurses attended free ½ day training in Columbus (CNEs provided)



Pilot Participant Survey-Fall 2007

- 75% response rate
- 17 items on survey (both qual & quant)
- Responses included:
 - 100% were satisfied with summer training
 - 50% had trained additional district nurses
 - 88% had used Impact SIIIS during year
 - 38% found complete records on all students looked up
 - 78% had students NOT excluded
 - 1.6% had some trouble with system



Next Steps-Statewide Promotion

- Presentations at 3 Regional School Nurse Conferences and Orientation for Nurses New to Ohio Schools
- Information/invitation letter to Superintendents
- Information to school nurses by ODH School Nurse Bulletin Board
- Article published in fall edition of *Principal Navigator*, OASN e-newsletter
- Information posted on School Nursing program and Impact SINS Web sites
- Online training developed
- Procedures developed for granting access



Statewide Access began Summer, 2008

- 462 Key Master Nurses were granted access by November 1
- Ongoing process:
 - Continue to grant access to new users
 - Continue to provide technical assistance to those trying to register, access, with computer difficulties, etc.
 - Monthly CNE summative reports for online school nurse training
 - Continue promotion at conferences, etc.



Key Master Survey, December 2008

- Similar to pilot survey, but addition of questions regarding training through Ohio TRAIN
- 26 items on Survey Monkey (qual & quant)
- 413 were sent electronically
 - 11 (2.6%) bounced back as invalid e-mail addresses
 - 171 returned for 41.4% response rate
 - Those with missing data marked with * (used # respondents as denominator)

How did you learn about school nurse access to Impact SIIS?

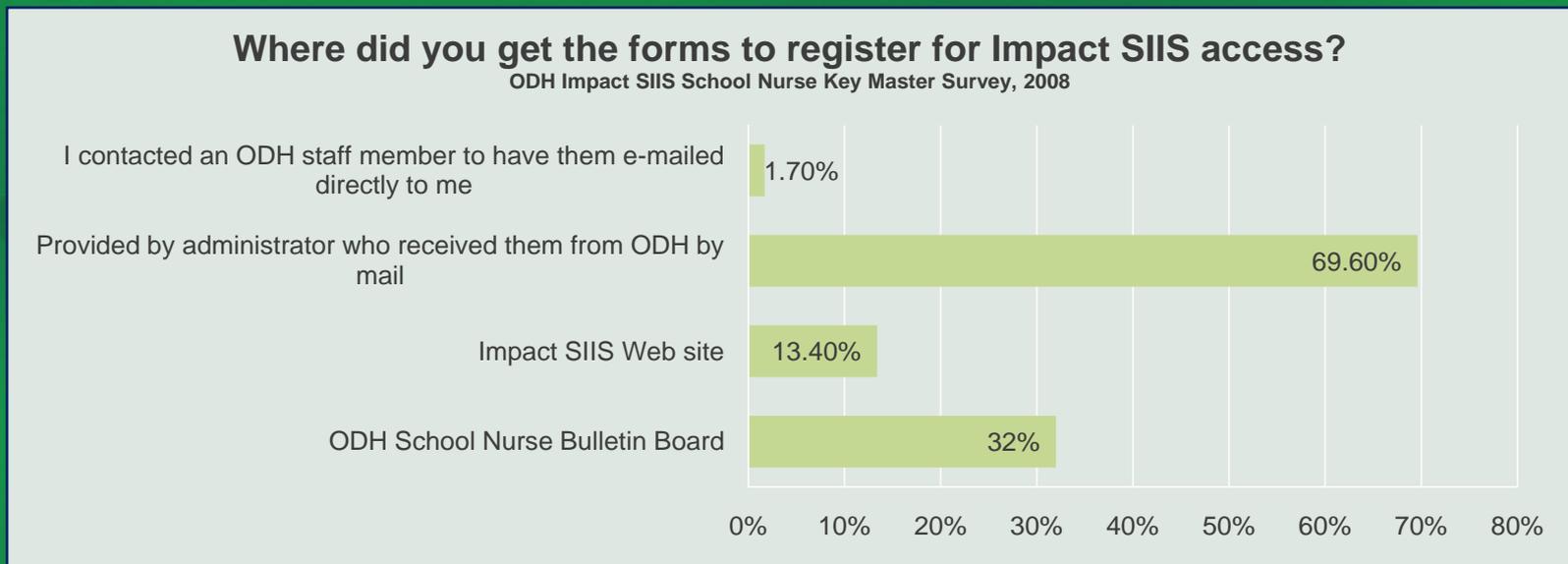
ODH Impact SIIS School Nurse Key Master Survey, 2008



Registration Process

ODH Impact SIIS School Nurse Key Master Survey, 2008

- 92.4% reported registration instructions were clear & concise



- 60% of respondents reported biggest registration challenge was getting signature of school administrator*

Online School Nurse Training

ODH Impact SIIIS School Nurse Key Master Survey, 2008

- 67.4% of Key Masters took the online training
- Ohio TRAIN evaluation:
 - 74.8% did not have an account prior to this training*
 - 21.6% reported having difficulty with Ohio TRAIN*
- 96.8% found information in training adequate*
 - 95.8% did not feel additional information was necessary*
 - 99.1% did not feel information should be deleted*
- 91.3% felt adequately prepared to train and login other district nurses*
 - 24.3% had not trained all district nurses*
 - Mean # district nurses trained by Key Master=2.55 (range 0-42)

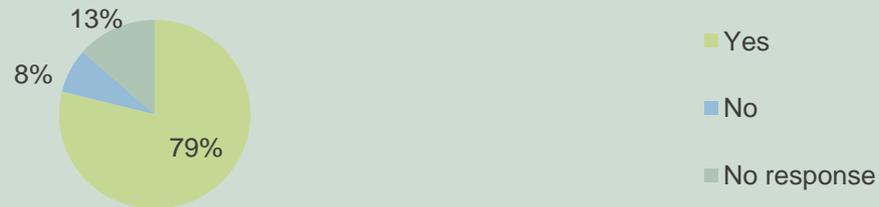


School Nurse Use of Impact SIIIS

ODH Impact SIIIS School Nurse Key Master Survey, 2008

Have the nurses in your district/private school used Impact SIIIS this school year?

ODH Impact SIIIS School Nurse Key Master Survey, 2008



- 4,373+ student records were looked up in registry
 - Mean student records accessed per district=24.2 (range 0-500)
- 28.7% found complete and accurate student records*
- 87.8% found registry access helpful
- 67.5% kept student from exclusion
 - 1,257 students not excluded
 - Mean=19.64 students per district (range 0-750)

Impact SIIS Technical Assistance

ODH Impact SIIS School Nurse Key Master Survey, 2008

- 76.5% reported no problems with Impact SIIS
 - Comments include: “It's been wonderful!”
- 29.5% called 800# Help Line for assistance*
 - 77.6% found the Help Line helpful*
- 92.9% of school nurses had NOT referred a physician*
 - 51.2% reported they knew how to refer*
- 95.1% report they will use the registry again next year



Currently....

- Information about program provided in letter to superintendents in May, 2008
- 2007-2008 school nurses will be blocked July 1
- Access will be granted to Key Masters ASAP when 2008-2009 paperwork is received
 - Many have already submitted
 - Change in procedure so that paperwork comes directly to School Nursing program

Questions?

Thank you for your attention!

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