

Immunization Registry Conference
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Connecticut's Immunization Registry Reporting System



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Background

- ICES first deployed in 1994 using available technology
- Deployed as a FoxPro application over Citrix Winframe
- Still running in this environment
- @40 sites using the system (out of 400)
- Birth cohort @43,000 children

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The Challenge

- Undergoing acceptance testing for a new registry. Not sure test would be positive.
- Needed to provide additional reporting functionality to providers within current product framework.
- Wanted to limit investment but still enrich functionality.

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Solution

- Contracted with HLN Consulting, LLC to develop a stand-alone reporting system
- Contracted through local AAP chapter
- Limited but necessary functionality
- Support for display and printing
- Read-only application
- Precise formatting requirements

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System Architecture

- Visual Basic 5.0 wrapper for record selection and query via ODBC
- Call to MS-Access database which has report formats
- Data accessed from existing FoxPro files
- Winframe handles display and printing support.

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Three Reports

- Health Assessment Record (“blue form”)
- Child Health Record
- Youth Camp Health Exam/Record

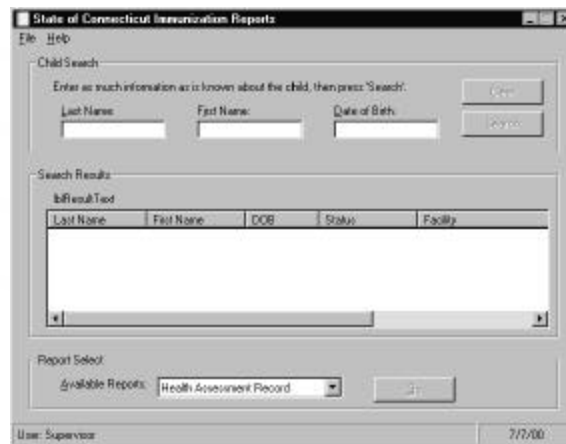
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System Walk-through: Login



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System Walk-through: Search



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System Walk-through: Selection

State of Connecticut Immunization Reports

Child Search

Enter as much information as is known about the child, then press 'Search'.

Last Name: [] First Name: [] Date of Birth: []

Search

Search Results

15 possible matches found:

Last Name	First Name	DOB	Status	Facility	MC
SALZ	THOMAS PA	07/02/1995	Deceased	CHILD GADLS HLTH/NEW HWN	MC
SANCHEZ	DARLAN	10/08/1986	Deceased	CT CHILDREN MED CNTR	DE
SANTAGO	THALIA	02/12/1987	Deceased	CENTRAL CLINIC	AE
SCOTT	MAURICE	10/13/1984	Deceased	MT SINAI/BURGDOFF	DA
LEE	ADOLF	04/12/1966	Active	RELI ASSOC/WESTERN CT	DA
SHAW	SARIFE	03/05/1995	Active	CS WTRM CHIL	MC

Report Select

Available Reports: Child Health Record

User: Supervisor 7/7/00

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System Walk-through: Output

State of Connecticut Immunization Reports - Child Health Record

CHILD HEALTH RECORD

State of Connecticut
Department of Public Health
Division of Immunization Reports
Immunization Information System

Child Name: ADOLF LEE Date of Birth: 04/12/1966 Sex: Male

Parent/Teacher: Address: []

IMMUNIZATION RECORD (Month, Day, Year for each dose)

IMMUNIZATION	DATE	STATUS	IMMUNIZATION	DATE
DTaP/DTaP-II	05/11/96	05/11/96	DTaP/DTaP-II	05/11/96
OPV/OPV-II	05/11/96	05/11/96	OPV/OPV-II	05/11/96
MM	05/11/96	05/11/96	MM	05/11/96
MM-II	05/11/96	05/11/96	MM-II	05/11/96
MM-III	05/11/96	05/11/96	MM-III	05/11/96
MM-IV	05/11/96	05/11/96	MM-IV	05/11/96

1. Yes No All birth records conducted in accordance with the ICD-9-CM

2. Yes No If you specify the record and select the correct indicator you did & the record number/percentage does not apply to the child

3. Yes No Does the child have a chronic condition that would prevent or delay the child's immunization?

4. Yes No If you specify the record and select the correct indicator you did & the record number/percentage does not apply to the child

5. Yes No Is the child's record in compliance with immunization reporting for the child as adopted by the Commissioner of Public Health (Connecticut General Statutes 19-10)?

GENERAL HEALTH RECORD

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Challenges and Conclusions

- Numerous problems getting this patchwork infrastructure to work properly
- Small staff not always able to focus on the issues
- Limited investments to extend aging technology can be made effectively

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