Michigan Care Improvement Registry (MCIR)

Formerly known as the Michigan Childhood Immunization Registry
MCIR Background

- Web-based application
- Populated with electronic birth records (within 2 weeks)
- Operational with a regional approach
- Majority of the funding from the Healthy Michigan Fund (tobacco tax)
- First rolled out in 1998
MCIR is currently linked with

- Vital Records
- Lead Program
- WIC
- Medicaid
- Department of Education
MCIR Activity

- 4.5 million records
- Over 57 million shot records
- 13,000 user log-ins to MCIR every day
- 2,334 provider sites submitted data in 2007
- Over 35,000 Registered Users
MCIR Regions

- Provider recruitment
- Provider training
- Help desk
- Advisory boards
MCIR Tools

- Assessment of patient immunization status at the time of the visit
- Reminder/Recall Letters Coverage Level Reports
- High Risk Influenza/Lead Pop-up
- Lead Results
- Clinical Record
- All Hazard Component
Collection of Immunization Data

- Direct data entry into MCI R
- Transfer from EMR’s (one way)
- Transfer from Billing
- Scan Forms
MCIR R Electronic Interface Activity in February 2008

- 270,000 immunizations reported from provider offices
- 860,000 updates from Medicaid with beneficiary information
- 200,000 WIC ID updates
- 10,800 Electronic Birth Records
Population Based Immunization Reporting

- State Levels
- County Levels
- WIC Levels
- Medicaid Health Plan Levels
- Clinic Site Levels
- School District Levels
- School Building Levels
- Migrant Schools
- Migrant Population
Generates WIC Immunization Coverage Reports for:

- 250 Clinics
- 52 Agencies
- State Report
MCIR Immunization Levels for 4:3:1:3:3:1

- 72: Statewide
- 73: WIC
- 75: Medicaid Health Plans
Lead Data Results

- Added a lead pop-up window
  - Medicaid enrolled
  - Mapped to high risk zip codes
- 23% increase March – May of 2004 in lead testing as compared to 2003 data.
- Increased provider participation
General Information

Child Information:
- Legal Name: Lead
- Birthdate: 07/11/2001
- Responsible Party: Adult Lead 123 Screen
  (269)999.9966
- Additional Information
  - MCIR options:
    - [ ] Child does not receive
    - [ ] Child is migrant

MCIR ID: 20249742687

Lead Notification

This child may be at **high risk** for lead poisoning.

A **blood lead test** should be completed today, unless it can be determined by asking a parent/guardian that the child has already been tested within the last 12 months.

☐ Please check here if a test **has** been ordered or completed.

If you have questions regarding this message or how the lead risk for this child was determined, please read the Explanation of Risk Factors document. You may also contact the Michigan Department of Community Health at **(517) 335-8885**, if the above document does not address your concerns.

Done

Update Child  Unlock Child  Take off Roster  Reassess Child
General Information

Person: Deising, Lucy
Birth Date: 07/04/2003
Provider: Eligible

Personal Information:

Legal Last: Deising
Legal First: Lucy
Middle: Kristine
Suffix: 
Alias Last: 
Alias First: 
Mother's Maiden Name: Gallert
Gender*: □ Male □ Female □ Multiple Birth
Birthday: 07/04/2003

Responsible Party: Add New

Nancy Deising, 4237 Thomas St, Southeast Grand Rapids, MI 49503

- Provide caregiver lead education
- Provide follow-up testing (3 months)
- Local public health encouraged to provide family nursing visits (lead assessment and education); suggested within 30 days
- Additional information at 517.335.8885
- More...

Spec. Date | Spec. Id | Reported | Sample Type | Result (µg/dL)
---|---|---|---|---
05/15/2006 | 06-135-02988 | 05/23/2006 | Venous | 11
03/03/2006 | 06-062-03084 | 03/10/2006 | Venous | 15
12/20/2005 | 05-354-02430 | 01/06/2006 | Venous | 18
09/15/2005 | 0525802893 | 09/29/2005 | Venous | 37
09/14/2005 | 6732 | 09/20/2005 | Capillary | 46

Birth Facility Information:
Name: Spectrum Hlth-Butterworth
State: MI
County:

MCIR options:
- Person does not receive medical care in Michigan
- Person is migrant
- Person is deceased
- Use alias name on reports

Done
Medicaid Interface

- Medicaid interface updates MCIR every month with:
  - Medicaid ID’s
  - Health Plan information
Health Plan Incentives

- $250.00 up to date 2 year old
- $100.00 up to date 2 year old
- $30.00 for up to date Medicaid 2 yr. Old
- $125.00 for up to date 11 to 13 yr old
- Enter historical data for providers
- Health plans require clinics to participate in the MCI R
Schools and Daycares Utilizing MCI R

4813 Schools
95% enrolled in MCI R

4235 Daycares
89% enrolled in MCI R
Reporting Adverse Events (in development)

- Integrated VAERS form
- Auto populates data
- Transmission to CDC
MCIR Benefits

- High provider participation (>90%)
- Supports all programmatic functions of the Immunization program
- All Hazard tracking capabilities
- Population based system
- Reports to demonstrate “pocket of need”
- Flexibility to allow linkages with other public health systems
- Infrastructure setup with regional staffing model
Future Innovations

- Linking MCIR with other public health databases to share electronically public health information with private providers
  - Newborn hearing
  - Newborn screening
  - Asthma
  - BMI
  - Vision
  - Hearing
  - EPSDT
  - Tb test results and tracking
  - Sickle cell case reporting
**General Information**

**Person Information**
- **Name:** John Jacob Jingleheimer-Schmidt
- **DOB:** 02/09/1997
- **Gender:** Male
- **Address:** 312 South First Street NW Apt 3E Kalamazoo, MI 49009-1773
- **Phone:** (517)555-1212
- **Age:** 10yrs 4mos
- **County:** Kalamazoo
- **Contact:** Andy Warhol (P/G)

**MCIR ID : 1234567890AB**

**High Risk Conditions**

**Immunizations**

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<thead>
<tr>
<th>Series</th>
<th>Dose 1</th>
<th>Dose 2</th>
<th>Dose 3</th>
<th>Dose 4</th>
<th>Dose 5</th>
<th>Dose 6</th>
</tr>
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<tbody>
<tr>
<td>DTaP</td>
<td>04/1/1998 DTaP 8wks 3days 16wks 3days 27wks 3days 1yr 2mos 5yrs 6mos</td>
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<tr>
<td>Polio</td>
<td>06/11/1997 OPV 8wks 3days 16wks 3days 27wks 3days 5yrs 6mos</td>
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<tr>
<td>MMR</td>
<td>02/25/1998 MMR 1yr 16days 5yrs 6mos</td>
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<tr>
<td>HIB</td>
<td>04/16/1997 Hib-PedvaxHib 8wks 3days 16wks 3days 27wks 3days 1yr 16days</td>
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<tr>
<td>HEPB</td>
<td>02/17/1997 HepB (Ped) 3days 8wks 3days 27wks 3days</td>
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<tr>
<td>Varicella</td>
<td>10/22/1998 Varicella 1yr 8mos</td>
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<tr>
<td>Influenza</td>
<td>10/20/2004 Influenza-split 10/19/2006 Influenza (hist) 7yrs 8mos 9yrs 8mos</td>
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<tr>
<td>PCV7</td>
<td>04/16/1997 PCV7 (Prevnar) 8wks 3days 27wks 3days</td>
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</tbody>
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**Invalid Doses**
- DUE NOW Varicella
- DUE NOW PCV7 (Prevnar)
- Series Complete
- Dose 5 Tdap Up-to-date
Future Innovations

- Partner with Health Information Exchange (HIE)
- Partner with the Michigan Health Information Network (MI HIN)
- State to State data sharing
- Vaccine Management Business Improvement Plan (VMBI P) and Vaccine Ordering Distribution System (VODS)
For more information about the Michigan Care Improvement Registry go to WWW.MCIR.ORG