Using Public Health Population Based Systems For BMI Surveillance

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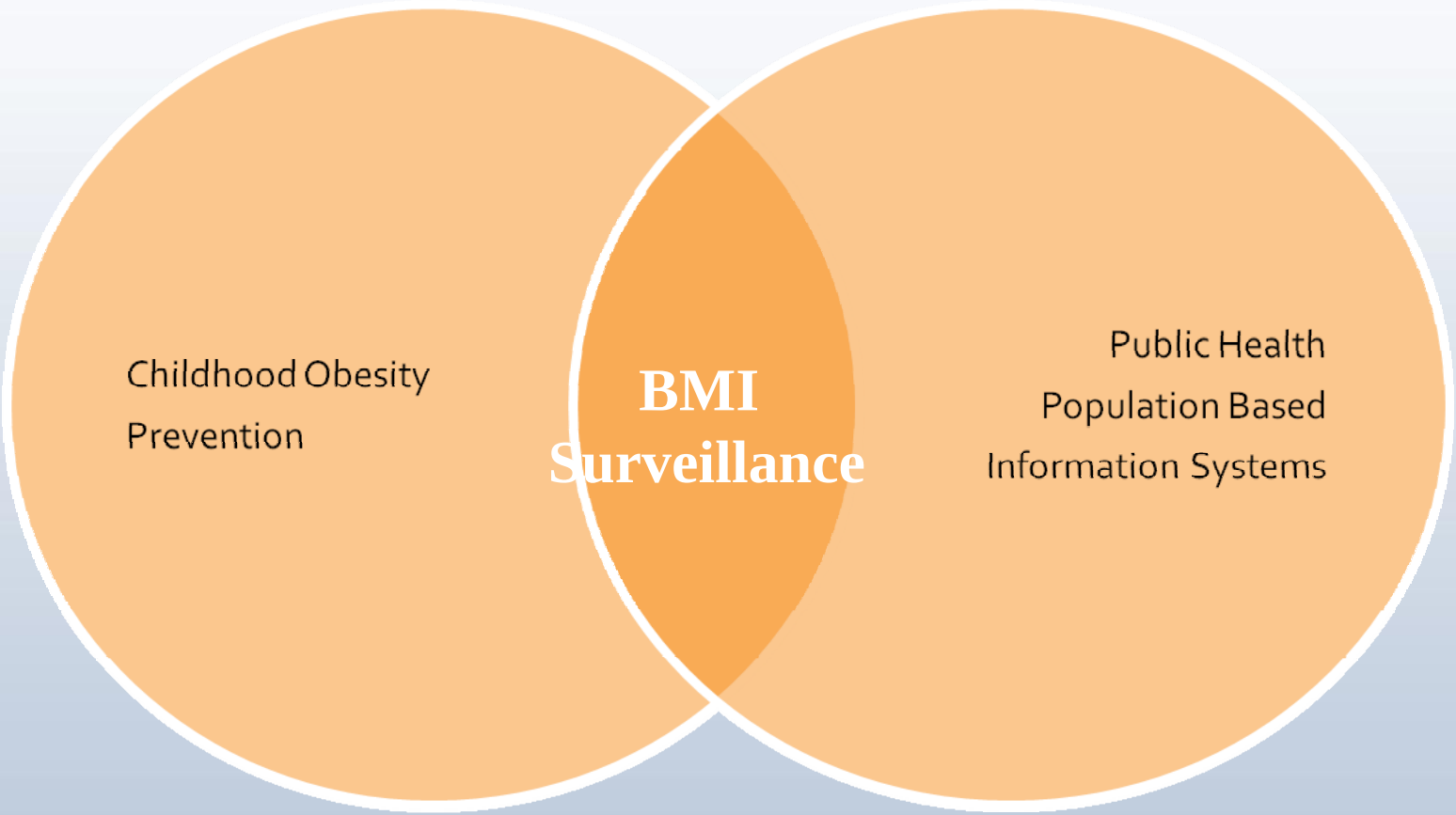
Emerging synergies



Population Based Reporting

- State Levels
- County Levels
- WIC Levels
- MEDICAID Health Plan Levels
- Clinic Site Levels
- School District Levels
- School Building Levels
- Migrant Schools
- Migrant Population

Michigan's BMI surveillance efforts

- Healthy Kids, Healthy Michigan project
  - Funded by the NGA using RWJF funds
  - Recognizes needed policy/environmental changes
  - 100 + organizations involved
    - Charged to develop a 'consensus' policy change plan
  - BMI surveillance emerged as a high-level priority
    - Public health and political necessity
    - Ability to build on MCIR a key point
    - Regulatory, legislative & other policy devices advancing

Michigan Care Improvement Registry

- 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

MDCH

MCIR Activity

- 4.7 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 is currently linked with

- Vital Records
- Lead Program
- WIC
- Medicaid

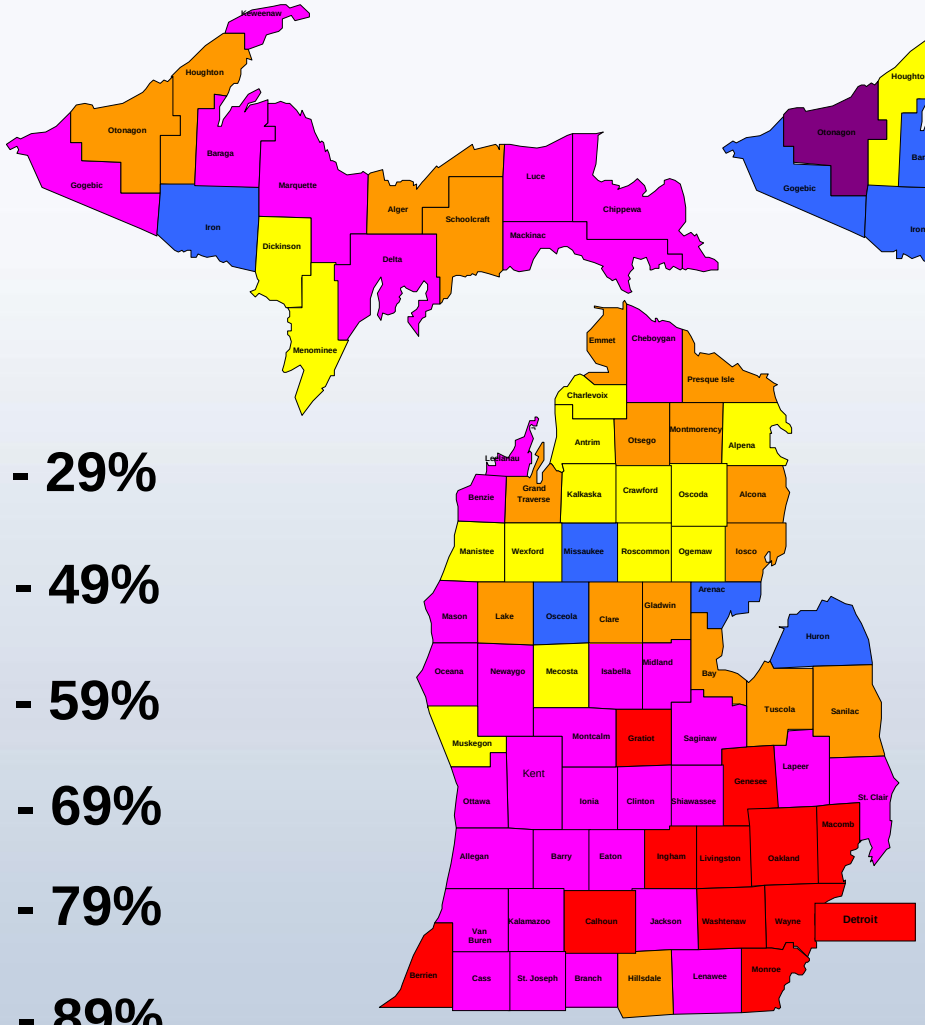
Collection of Immunization Data

- Direct data entry into MCIR
- Transfer from EMR's (one way)
- Transfer from Billing
- Scan Forms

Current Immunization Profile for 19 - 35 Month Old Children

Based on MCIR Data

- 0 - 29%
- 30 - 49%
- 50 - 59%
- 60 - 69%
- 70 - 79%
- 80 - 89%
- 90 - 100%



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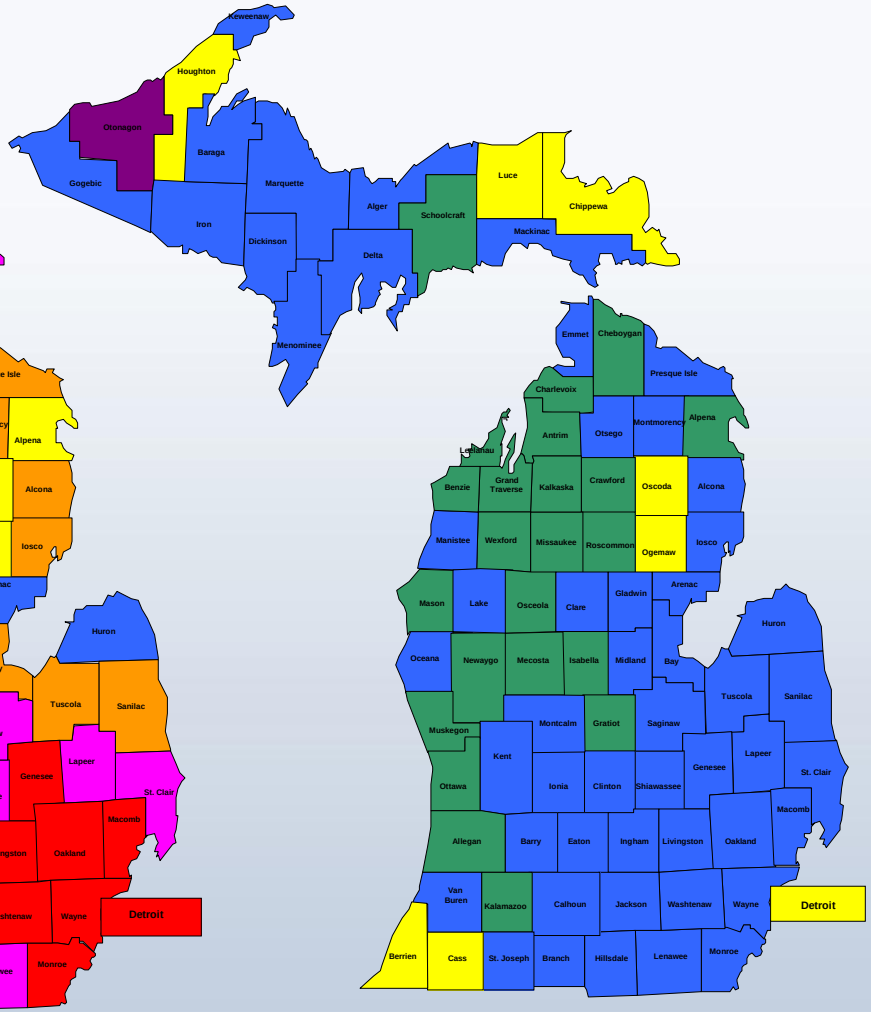

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Benefits

- High provider participation (90%)
- Population based system
- Reports to demonstrate "pocket of need"
- Flexibility to allow linkages with other public health systems
- Infrastructure setup with regional staffing model

Lessons Learned

- Health Plan Incentives
- Mandated Reporting
- Billing Data vs Medical Record
- Regional Training and Support

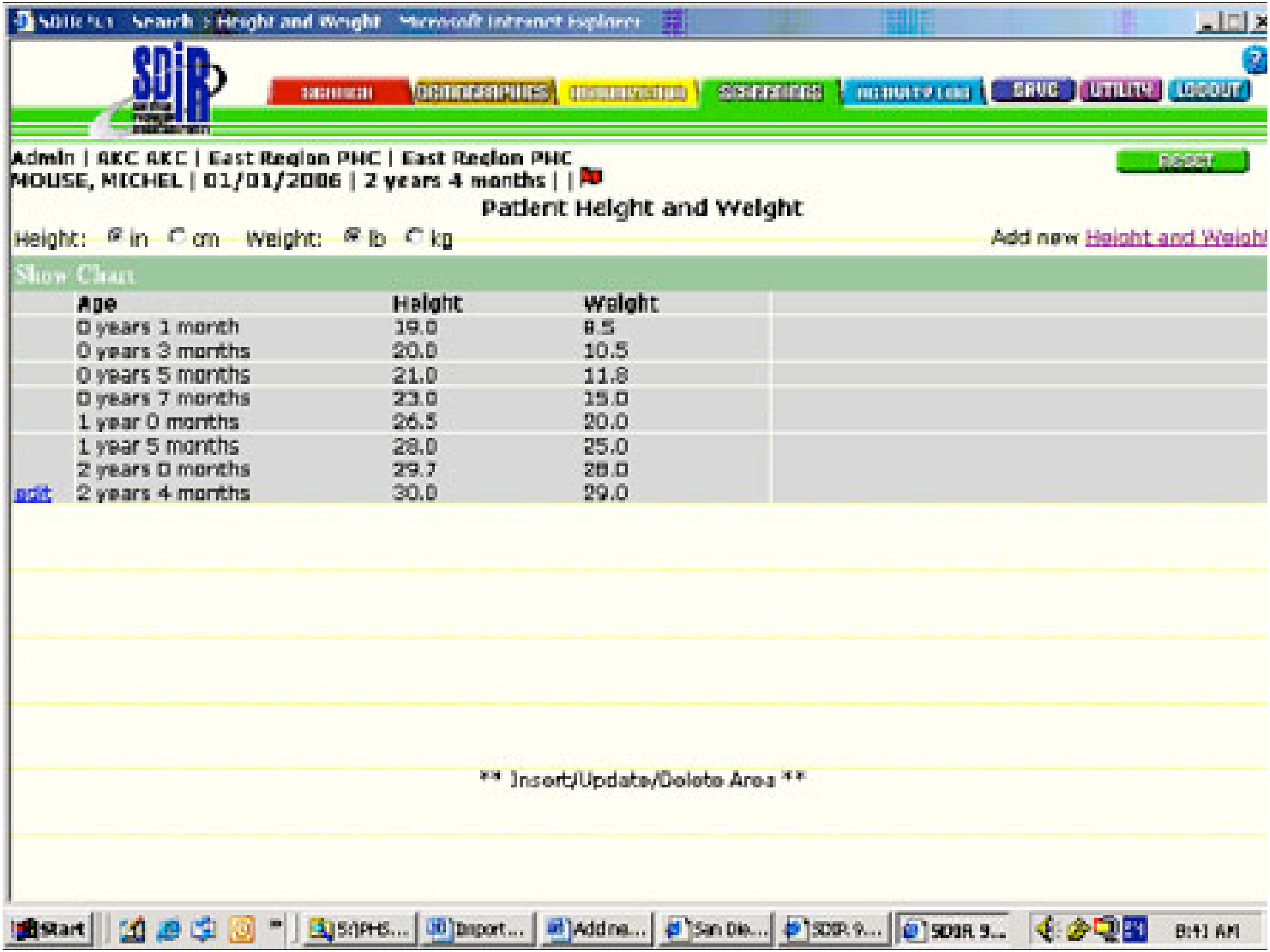
MDCH

Timeframe

MDCH plans to roll out its BMI surveillance system in the next few months.

San Diego Regional Immunization Registry

Users may now enter height and weight data (in U.S or metric units) for patients. These measurements are plotted on a growth chart (for children under 36 months) or on a Body Mass Index percentile chart for individuals over 2 years of age.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MOUSE, MICHEL | 01/01/2006 | 2 years 4 months | |
RESET
Patient Height and Weight
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Add new Height and Weight
Show Chart
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0 years 1 month 19.0 8.5
0 years 3 months 20.0 10.5
0 years 5 months 21.0 11.8
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MOUSE, MICHEL | 01/01/2006 | 2 years 4 months | |

Patient Height and Weight

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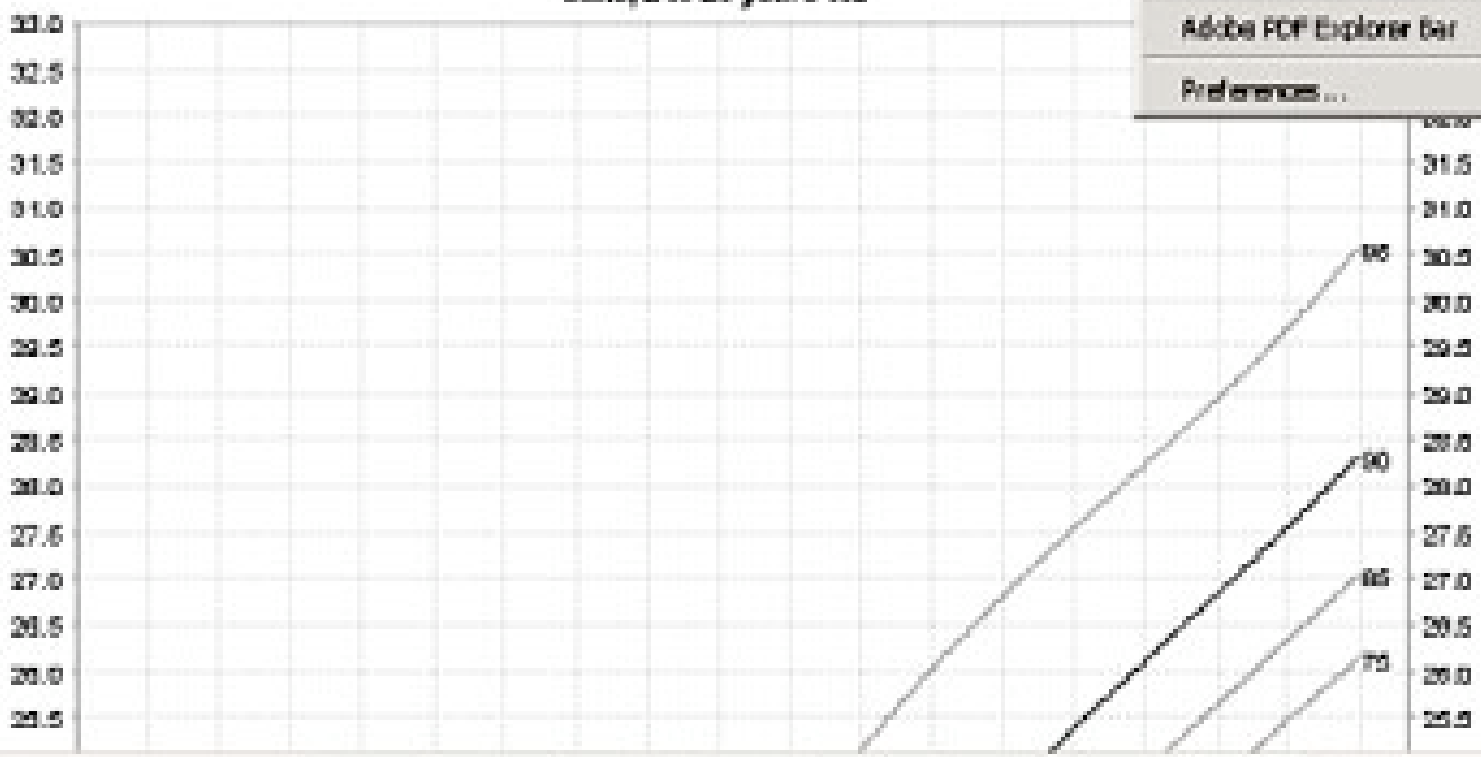
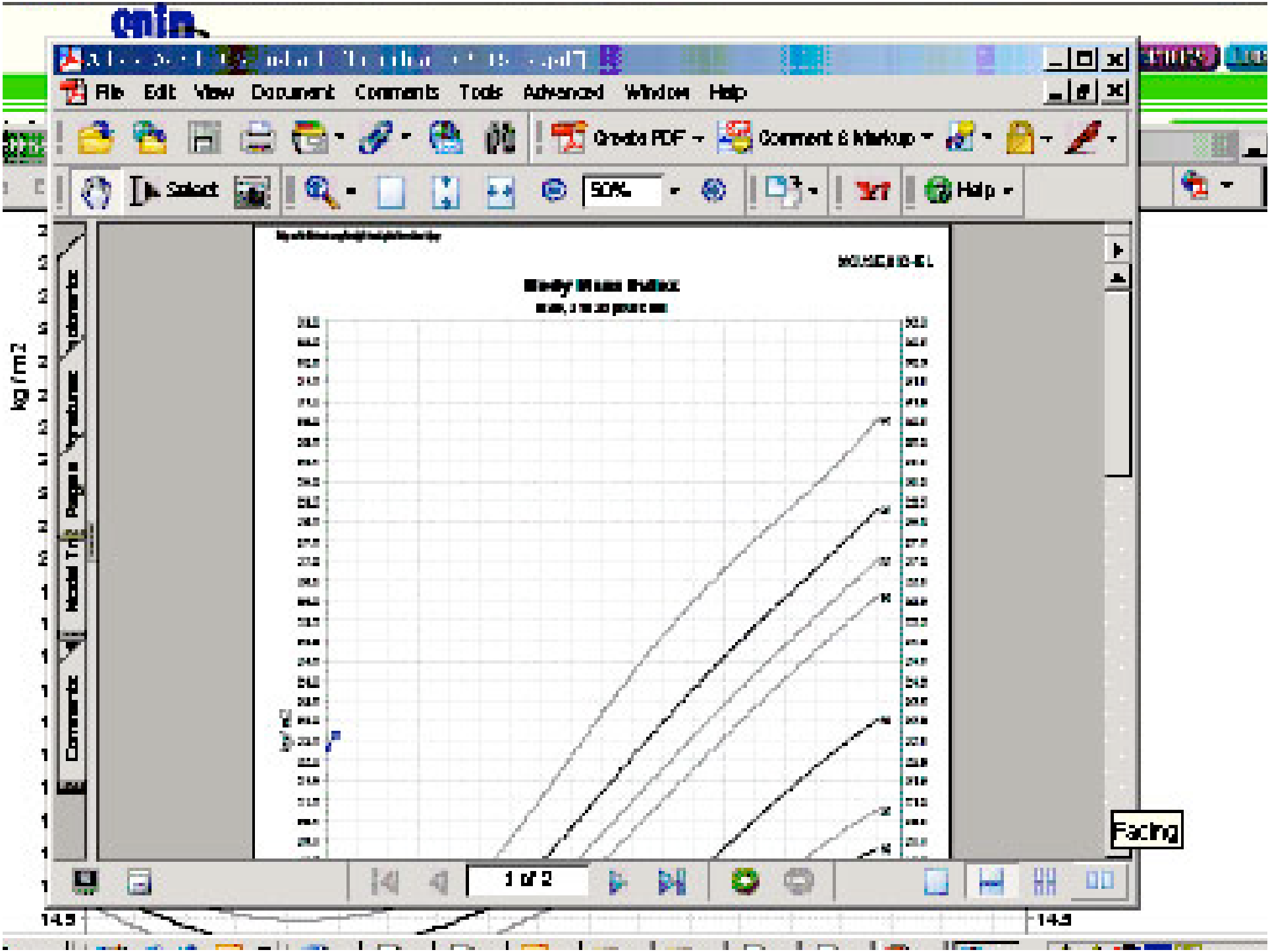
Body Mass Index

Male, 2 to 20 years old

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Maine

- Collects BMI from Medicaid well child visit forms. Maine is working on standardizing the Medicaid form because not all the forms collect the same information.

Maine

- Maine will begin collecting BMI with a new form in January 2009. The number of children birth to 18 years of age qualifying for Medicaid services is 600,000.

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