



Improving Public Health

A Medicaid Opportunity

A Public Private Partnership
National MMIS Conference
September 27th 2006



Three basic questions - and my three answers

1. What is the goal of the MMIS:

Accurately and efficiently pay claims

2. What is the goal of Medicaid:

Ensure access to quality healthcare for our poorest, most vulnerable citizens

3. What is the Big Picture goal, why does society support these endeavors?

To make sure we all have the opportunity to lead healthy, productive or at least as comfortable as possible lives.



How are we doing?:

The evidence suggests that we are doing fairly well, considering the task, on paying claims and ensuring access, but not on the big picture making sure we all have the opportunity to lead healthy productive or at least comfortable lives.

But even in that instance we are doing about average. A recent study in the Harvard Medical Journal found virtually no difference in the quality of care received by our people, whether rich or poor.

So, you can say we are doing very well there too.

But, because we have the access to the data we could do much better, if we could allow policy makers equal access.



Consider these statistics:

- 7 of the top 25 generic drugs supplied to the Medicaid population are opiate equivalents.
 - Is pain the most common problem in a population of mostly young people?
 - Do you not think something else is going on here?
- 70-75% of the people in nursing homes in the country are on Medicaid
 - Are they being inoculated for pneumonia?
 - What's the incidence of bed sores?
- 40-50% of the babies born in the country are paid for by Medicaid
 - Can we identify from claims history the pregnant women
 - Can't we reach out to them
- 66% of the abused and neglected children in the country are on Medicaid
 - Do we screen our databases for indications of abuse
 - Do we alert social workers when we see it.



Overcoming the limits, helping kids and saving money:

An example: Using Medicaid data and diverse models from the information grid in an application to reduce the economic, social and health impact of child abuse

- The problem is great – each year, 1 million victims or 40 children per one thousand children in the United States, a rate that is ten times the incidence of cancer.
- The kids:
 - are significantly more likely to die during hospitalization (4.0% vs less than 0.5%),
 - have longer stays (8.2 vs 4.0 days),
 - twice the number of diagnoses (6.3 vs 2.8),
 - and double the total charges (\$19266 vs \$9513) than were other hospitalized children.
- Furthermore, the primary payer was typically Medicaid (66.5%).
- Using the best available research and conservative estimates, direct costs were estimated to be over \$24 billion dollars annually.
- But, the diagnosis of child abuse is seldom easy to make and requires a careful consideration of socio-behavioral factors and clinical findings. Information not readily available to caseworkers.



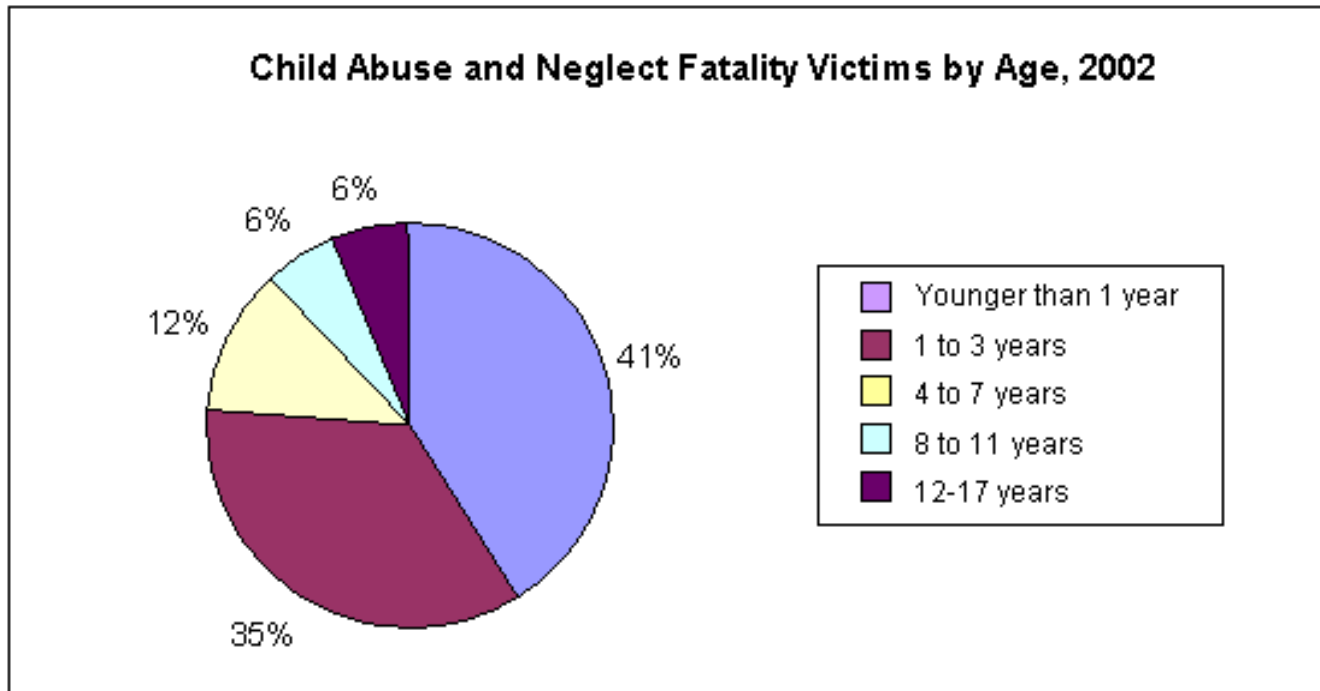
What are some other Predictors:

- Rib fractures in young infants are very nearly diagnostic of child abuse.
- Children who were victims in the past were 42 percent more likely to be determined to be maltreated.
- Children with allegations of multiple types of maltreatment were 100 percent more likely to be determined to be maltreated than children with allegations of physical abuse.
- Children with allegations of psychological maltreatment were 27 percent less likely to be considered victims than children with allegations of physical abuse.
- Children who were younger than 4 years old were most likely to be determined to be maltreated compared to all other age groups.
- Children who were reported by law enforcement personnel were 100 percent more likely to be determined to be maltreated than children reported by social and mental health personnel.
- The vast majority of children were maltreated by one parent, usually the mother.
- Children with disabilities or mental retardation, for example, are significantly more likely to be abused
- Families in which there is substance abuse are more likely to experience abuse or are at a higher risk of abuse



Make predictions based on diverse facts

- Approximately 1,400 child deaths were related to abuse or neglect.
- Look at the age distribution below – we see a risk predictor - age.





Indicators

A screenshot of a Netscape browser window displaying the PredictCare website. The browser title is "Predicted Solutions - Netscape" and the address bar shows "http://localhost/site/indicators/". The page content includes a "PredictCare" logo with a hand icon, a "Logout" link, and a section titled "Indicators" with a "LOGOUT" link. The main content area explains that users can update weights for indicators, with a default weight of 100. It lists three indicators based on the age of the child: "Child under the age of 1" (default weight 141, current weight 200), "Child between the age of 1 and 4" (default weight 135, current weight 500), and "Child between the age of 4 and 7" (default weight 112, current weight 112). The browser's taskbar at the bottom shows the Windows Start button and several open applications, including "Inbox - Microsoft Out...", "mainepredictcare", and "Predicted Solutions - ...". The system clock shows "1:00 PM".



- REPORTS
- INDICATORS
- SITE ACCESS
- DOWNLOAD FILE TO DESKTOP/PDA

Filter

OFFICE:

GROUP:

CASEWORKER:

Search

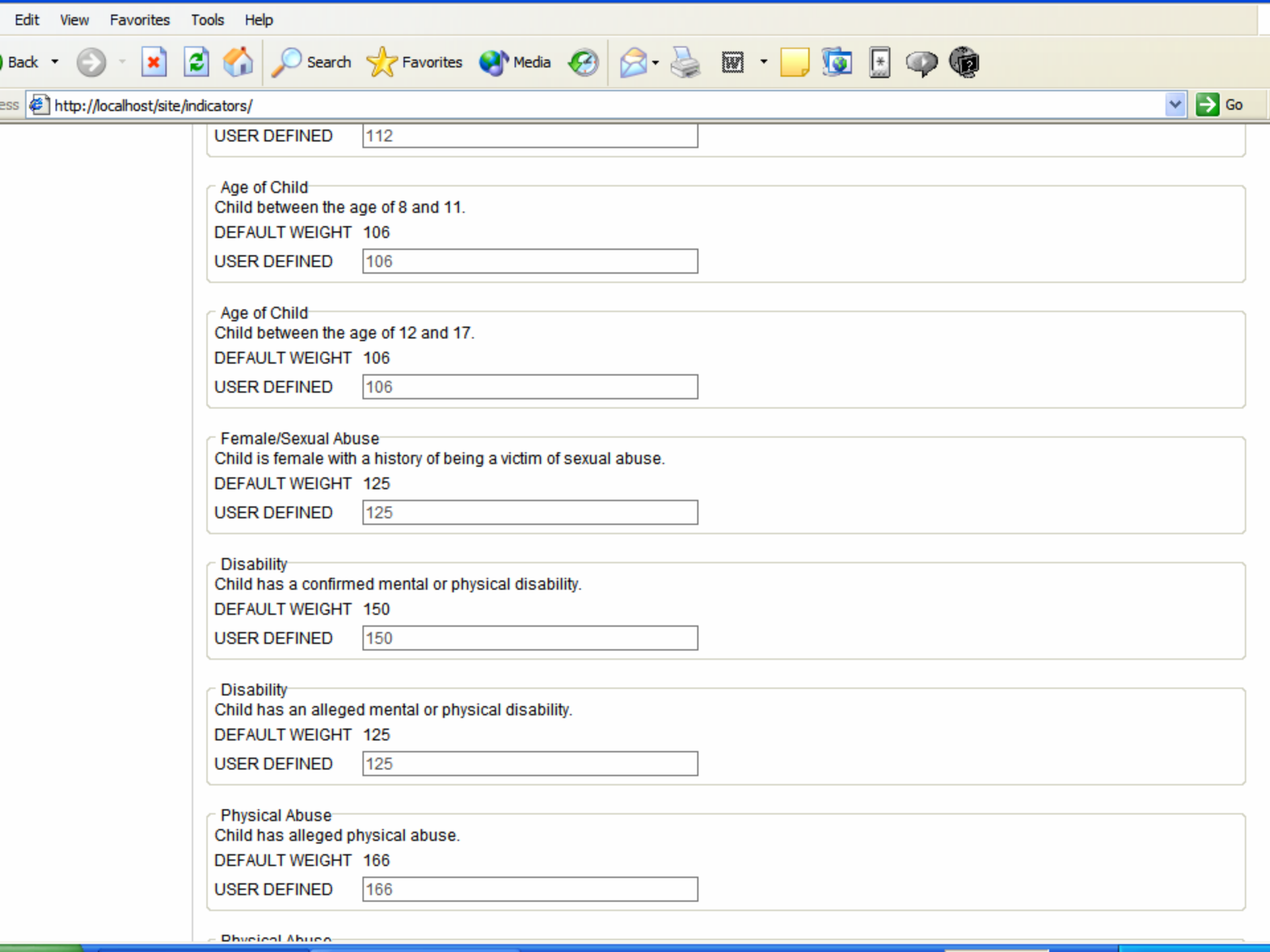
CASE NUMBER:

FAMILY NAME:

CITY:

action	case number	name	city	default weight	user defined
67890 (Alan Fitzgerald)					
view	5009293	SUSAN ANN BUTLER	BATH	1,060.00	1,060.00
view	5011363	GEORGE WILLIAM FLORES	LEWISTON	212.00	212.00
view	5000017	WILLIAM GEORGE WASHINGTON	AUBURN	407.04	407.04

56789 (James Kennedy)



USER DEFINED

Age of Child
Child between the age of 8 and 11.

DEFAULT WEIGHT 106

USER DEFINED

Age of Child
Child between the age of 12 and 17.

DEFAULT WEIGHT 106

USER DEFINED

Female/Sexual Abuse
Child is female with a history of being a victim of sexual abuse.

DEFAULT WEIGHT 125

USER DEFINED

Disability
Child has a confirmed mental or physical disability.

DEFAULT WEIGHT 150

USER DEFINED

Disability
Child has an alleged mental or physical disability.

DEFAULT WEIGHT 125

USER DEFINED

Physical Abuse
Child has alleged physical abuse.

DEFAULT WEIGHT 166

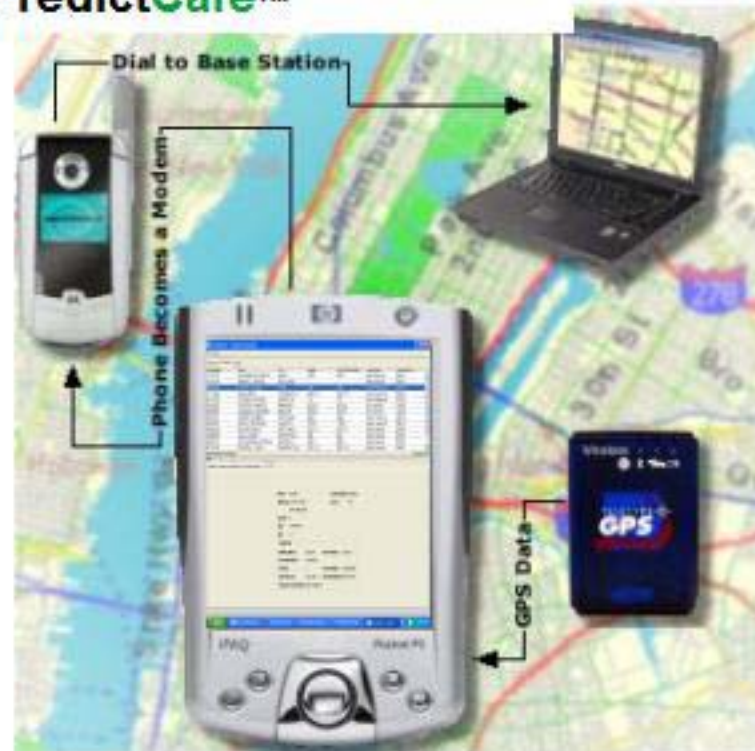
USER DEFINED

Physical Abuse

technology to better the lives of those we care for in the community



PredictCare™





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