
***NAPHSIS Project for Analysis of
New Birth Certificate Items from
the 2003 Revised Certificate***

***Shae R Sutton, PhD
South Carolina***

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Background

- 2003 US Standard Certificate of Birth
- Includes new & revised data items
- Resolution passed – 2005 NAPHSIS annual meeting

Due to funding issues, states will 'loan' new data items to NCHS for evaluating data quality; NCHS will not release new data items except to communicate back to the jurisdictions and at NAPHSIS meetings

Given the public health importance of many of the new or revised items, NAPHSIS should assume responsibility to compile, analyze, and disseminate the new data

- Presentation of NAPHSIS sponsored analysis of new birth certificate items at 2006 NAPHSIS annual meeting

Project Plan 2005

- Revised Certificate Data Analysis Committee
- Committee membership
 - * Jurisdictions implementing the revised birth certificate
 - * NAPHSIS statistics Committee

Project Plan 2005 – Phase I Plan

- 9 jurisdictions implemented in 2003 or 2004
- Pennsylvania, Washington, Florida, Idaho, Kentucky, New Hampshire, New York State, South Carolina, and Tennessee
- Frequency distributions for selected data items
- Rationale
 - Preview of national data
 - Identify problems in data completion and data quality
 - Provide initial plans for more comprehensive analysis of 2005 data in Phase II

Project Plan 2005 – Phase I Action

- Revised jurisdictions provided aggregate data for presentation of new variables
- Committee compiled data
- Tables and graphs for new data items were presented at the 2006 NAPHSIS Annual Meeting

Project Plan 2005 – Phase II Plan

- 14 jurisdictions including states who revised in 2003 or 2004 and the following states who revised in 2005: Kansas, Nebraska, Puerto Rico, Texas, Vermont
- 1.3 million birth records
- Represents 30% of the births occurring annually in the US
- Goal: Prepare data report similar to the NCHS report on the 1989 revised birth certificate

Project Plan 2005 – Phase II Action

- Due to limitations regarding resources for analysis and data management, Phase II was revised
- Revised Goals:
 - Survey states regarding interest and method of data compilation
 - Present a simple view of selected new data items from the revised states
 - Build foundation for future collaborations between states and other entities

Project Plan 2005 – Phase III

Phase III Initial plan:

Compilation, analysis, & dissemination of new and revised data items on the revised death and fetal death certificates

Phase III revised:

New project plan to be developed by jurisdictions and NAPHSIS statistics committee to analyze revised births, deaths and fetal deaths

Percent of Live Births by Mother's Race and Hispanic Origin

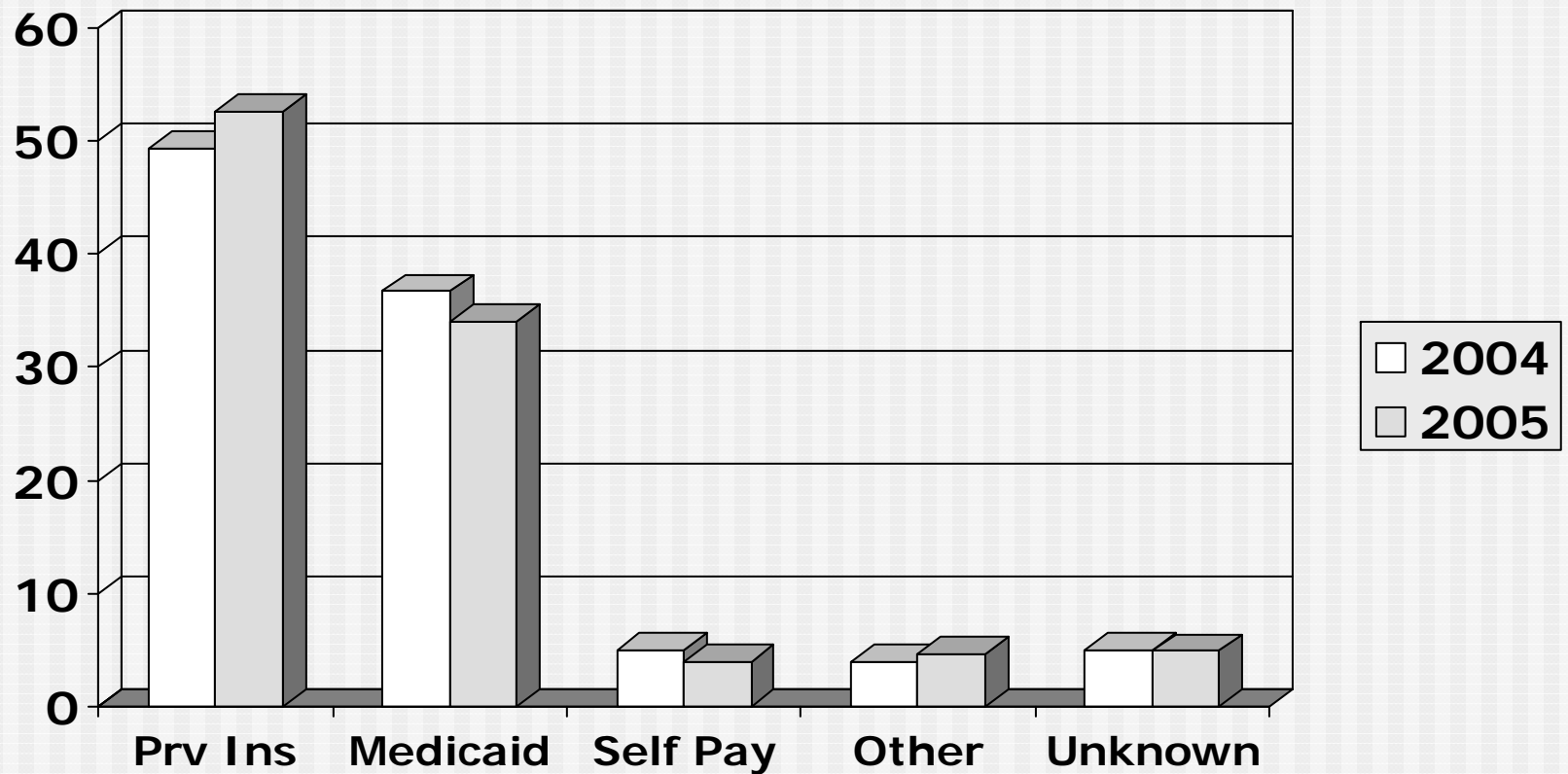
Race	2004	2005
One race	97.4	97.7
Two or more races	1.9	1.7
Mother, Not Hispanic		
One race	98.3	98.3
Two or more races	1.6	1.5
Mother, Hispanic		
One race	94.8	92.3
Two or more races	2.5	3.3

Completeness of Date of First & Last Prenatal Care Visit

	First Visit		Last Visit	
	2004	2005	2004	2005
Date complete	82.8	88.7	88.6	87.7
Missing month only	0.0	0.0	0.0	0.0
Missing day only	9.0	4.0	3.5	3.3
Missing year only	0.2	0.3	0.2	0.2
Missing two parts of date	0.1	0.0	0.3	0.2
Missing three parts of date	7.9	6.1	7.5	7.5

	<u>2004</u>	<u>2005</u>
No prenatal care	1.2	1.0

Source of Payment for Delivery



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Percent of Live Births by Maternal Morbidity

Maternal Morbidity	2004	2005
Maternal transfusion	0.17	0.30
3 rd or 4 th degree perineal laceration	1.06	1.23
Ruptured uterus	0.03	0.02
Unplanned hysterectomy	0.03	0.03
Admission to ICU	0.13	0.12
Unplanned OR procedure following delivery	0.17	0.21

Percent of Live Births by Mother's Level of Education

Mother's Education	2004	2005
≤8 th grade	4.7	4.0
9 th -12 th grade, no diploma	14.5	14.6
HS graduate/GED completed	31.9	26.4
Some college, no degree	15.5	19.2
Associate degree	8.1	8.0
Bachelor's degree	17.0	17.1
Master's degree	5.8	8.1
Doctorate	1.5	1.8
Unknown	1.0	0.8

SUMMARY

- Successful beginning
- Resources needed for data compilation and analysis
- Survey sent to revised jurisdictions
- New project plan to be developed

Next Steps

Use the data!!

Next Steps

- Develop method for housing the data in a common format
- Develop workgroups for collaboration between states and other entities