

# IMPROVEMENTS IN PERINATAL HIV TESTING

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## RESULTS

### BACKGROUND

- In August 2003, Illinois passed the Illinois Perinatal Prevention Act to improve statewide perinatal HIV prevention practices
- The act mandated counseling and screening for HIV in all pregnant women as early as possible
- HIV test results are by mandate to be documented in prenatal and L&D charts
- On L&D, undocumented women are to be offered rapid HIV testing
- Revisions to the Act in 2006 required all newborns of undocumented mothers to be tested within the first 12 hours postnatally

### OBJECTIVE

To determine the factors associated with an increase in the percentage of newborns discharged from Illinois hospitals with a documented HIV status between January of 2006 and December of 2007.

### STUDY DESIGN

Longitudinal population-based program

### METHODS

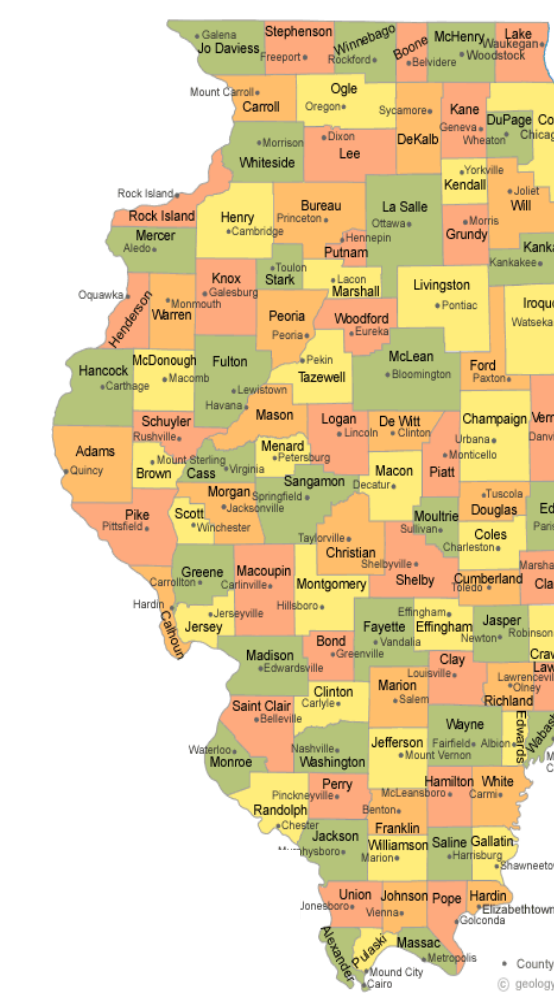
- A review of a statewide perinatal HIV database maintained by the Perinatal Rapid Testing Initiative in Illinois (PRTII) and the Illinois Department of Public Health was conducted.
- Data was analyzed regarding the number of patients delivering at Illinois birthing hospitals, percentage of HIV undocumented women presenting to labor and delivery, percentage of undocumented women receiving rapid HIV testing, and percentage of undocumented newborns undergoing rapid testing prior to discharge.
- Analyses were stratified according to year and geographic region.

2006  
women presenting to L&D with documented HIV status  
= 92.6%

2007  
women presenting to L&D with documented HIV status  
= 93.9%

P<0.01

### Illinois Geographic Testing Patterns

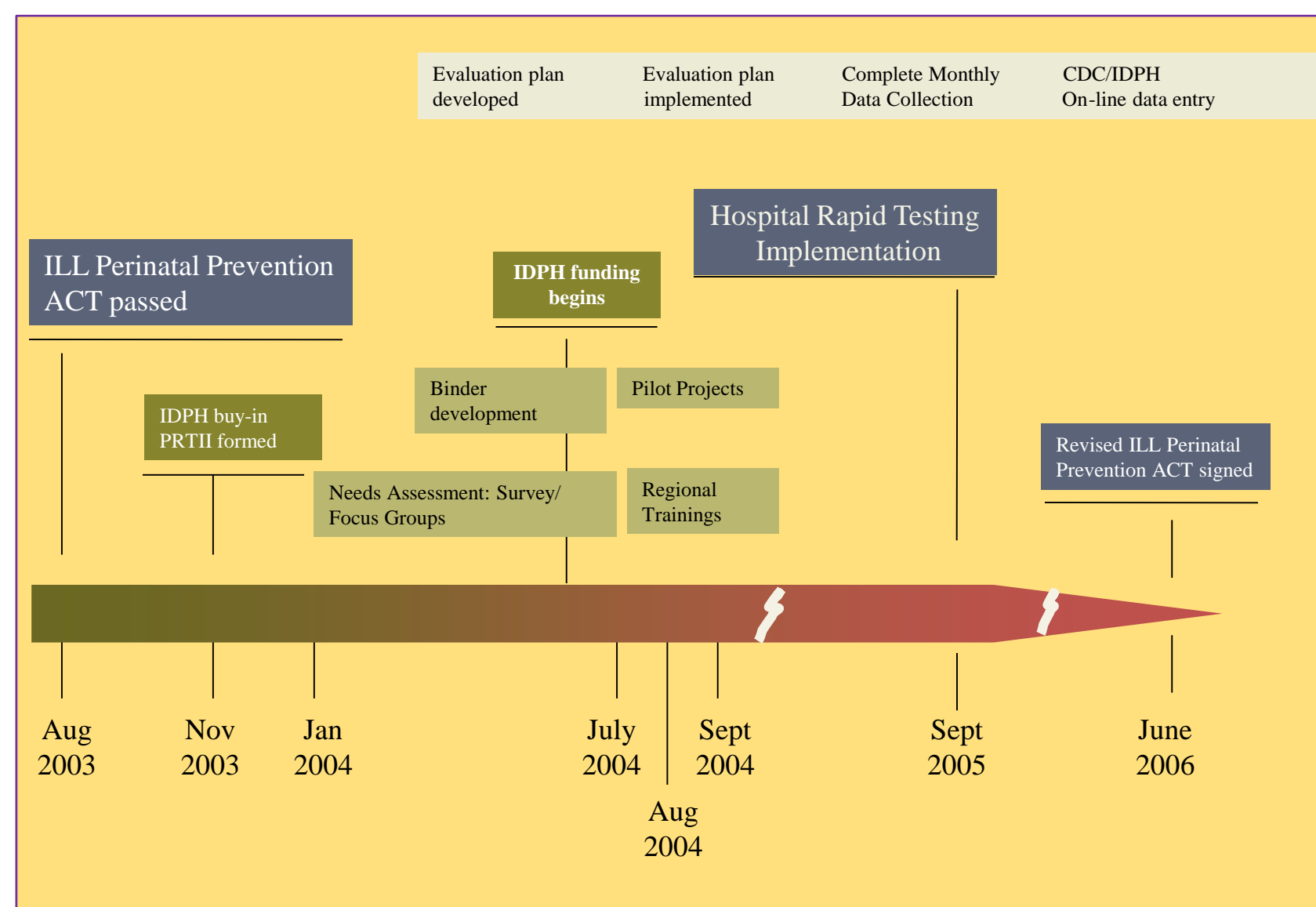


Rate of Rapid HIV Testing of Undocumented Gravidas Presenting to L&D by Region

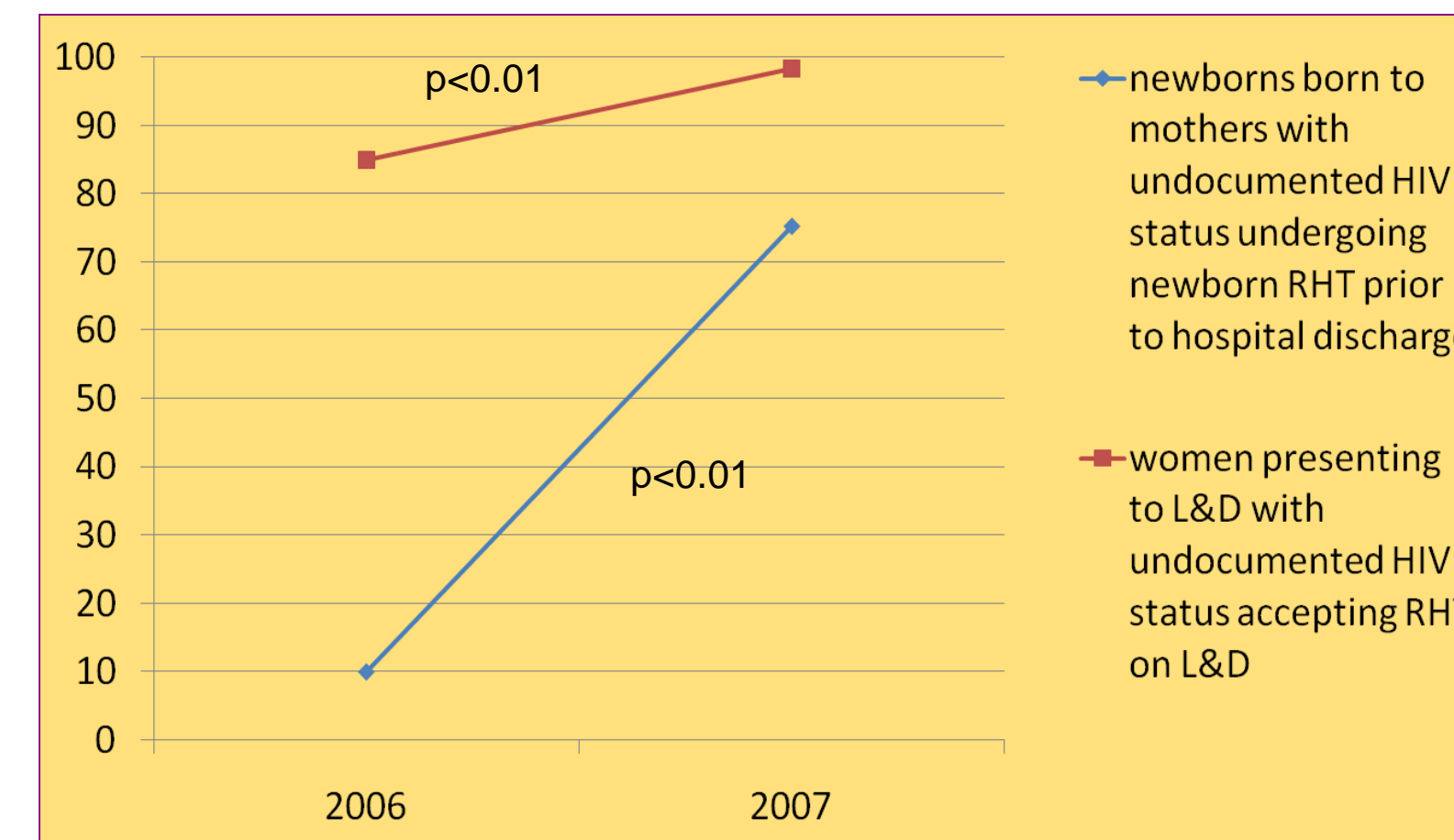
	2006 percent	2007 percent
Northern (Suburban)	65.8	97.3
Chicago-Cook (Urban)	95.0	99.0
Central- Southern (Rural)	71.3	95.8

P<0.01 for each comparison between 2006 and 2007

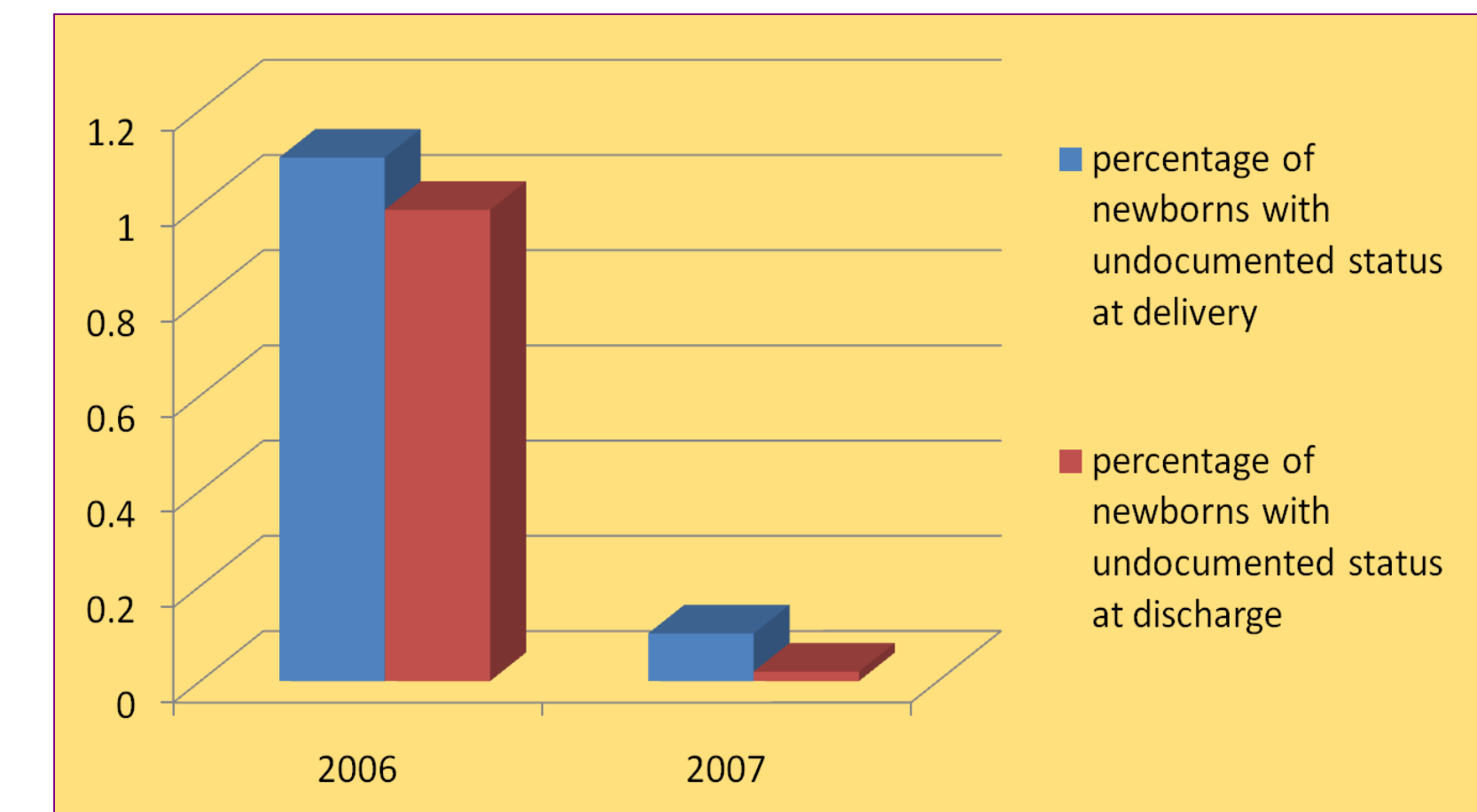
### Illinois Timeline



### COMPARISONS IN PERCENTAGES OF UNDOCUMENTED MOTHERS AND NEWBORNS RECEIVING RAPID HIV TESTING (RHT) BY YEAR



### PERCENTAGE OF NEWBORNS WITH UNDOCUMENTED STATUS BY YEAR



p<0.01

### CONCLUSIONS

- Statewide improvements in the rates of prenatal HIV testing and the in-hospital Rapid HIV Testing of undocumented mothers and neonates have both contributed to the significant decrease in the percentage of undocumented newborns in the state of Illinois.
- Rates of Rapid HIV Testing of undocumented mothers increased most dramatically in the suburban and rural areas of the state.