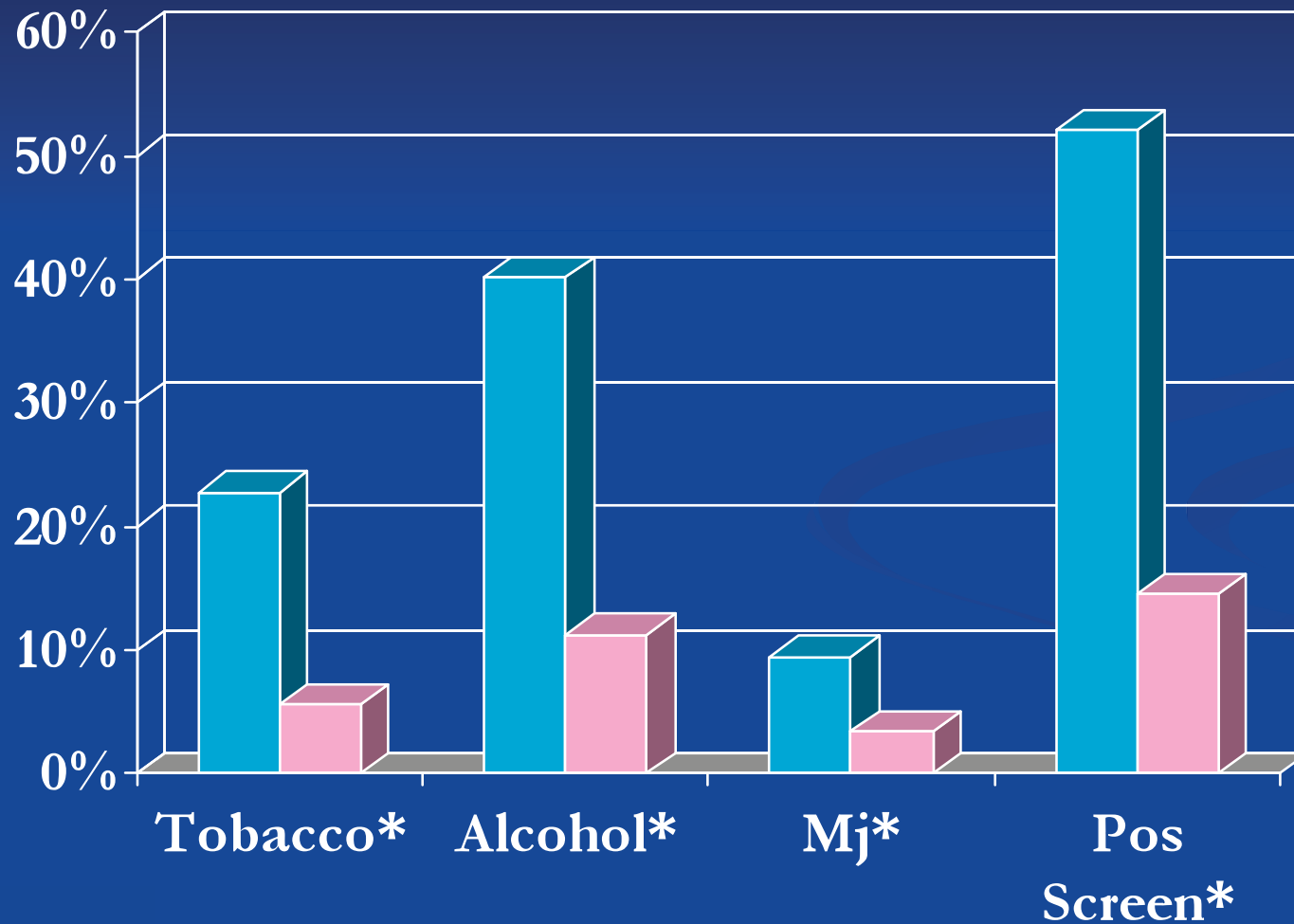


Special Populations: Race and Ethnicity

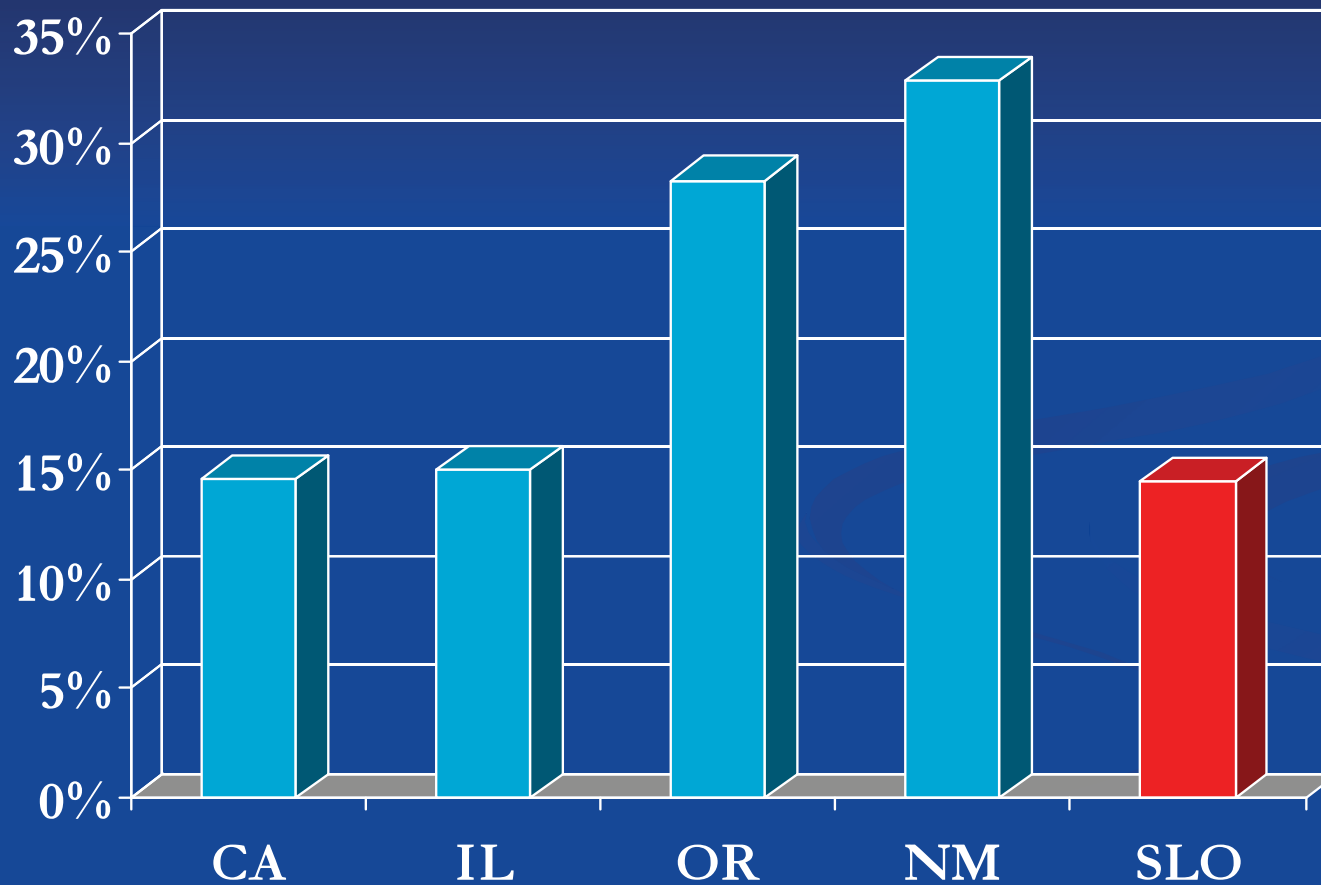
	Caucasian	3,379
	Hispanic	2,387

Screening Results by Race and Ethnicity

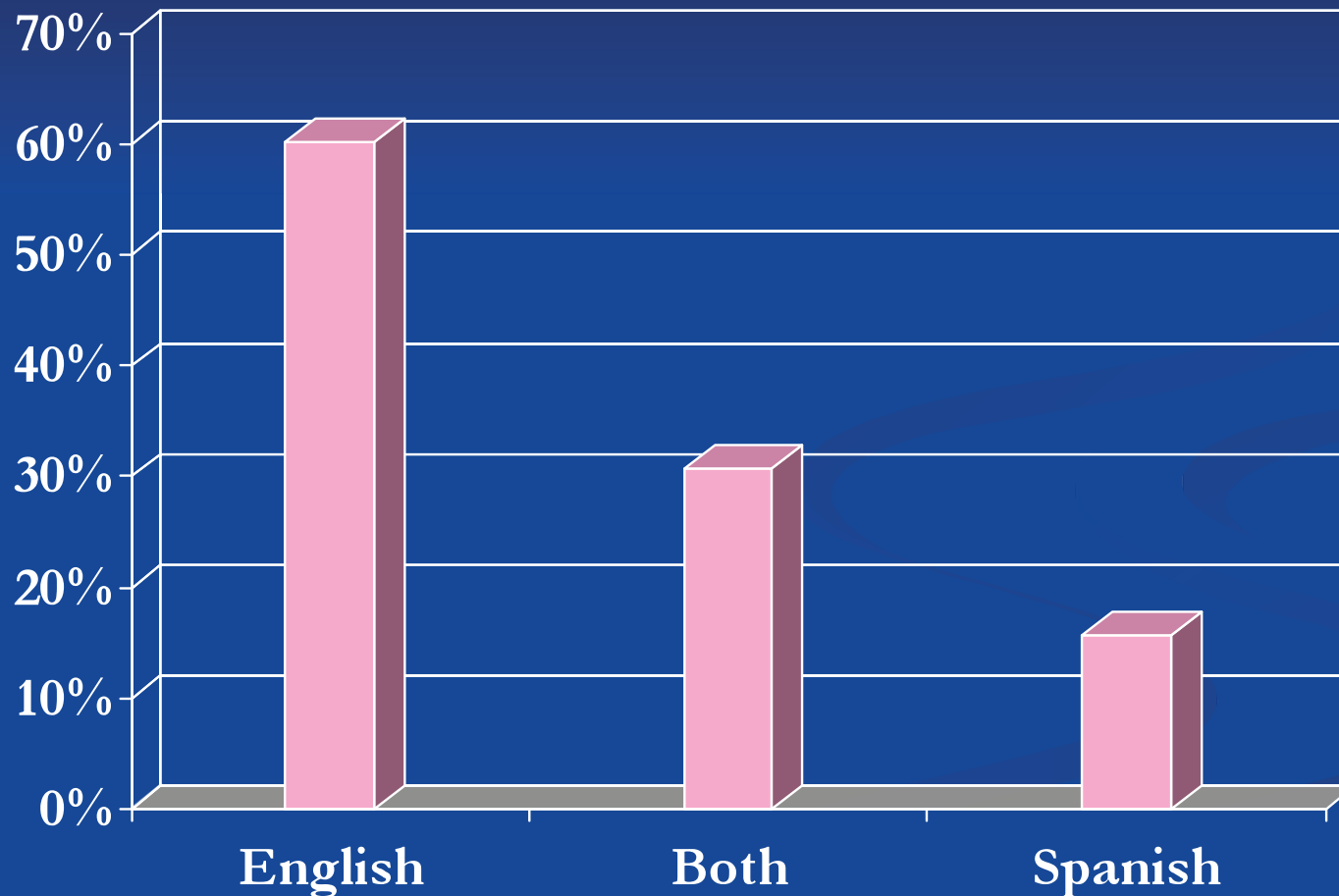


**P < .001*

Hispanic Women: A National View

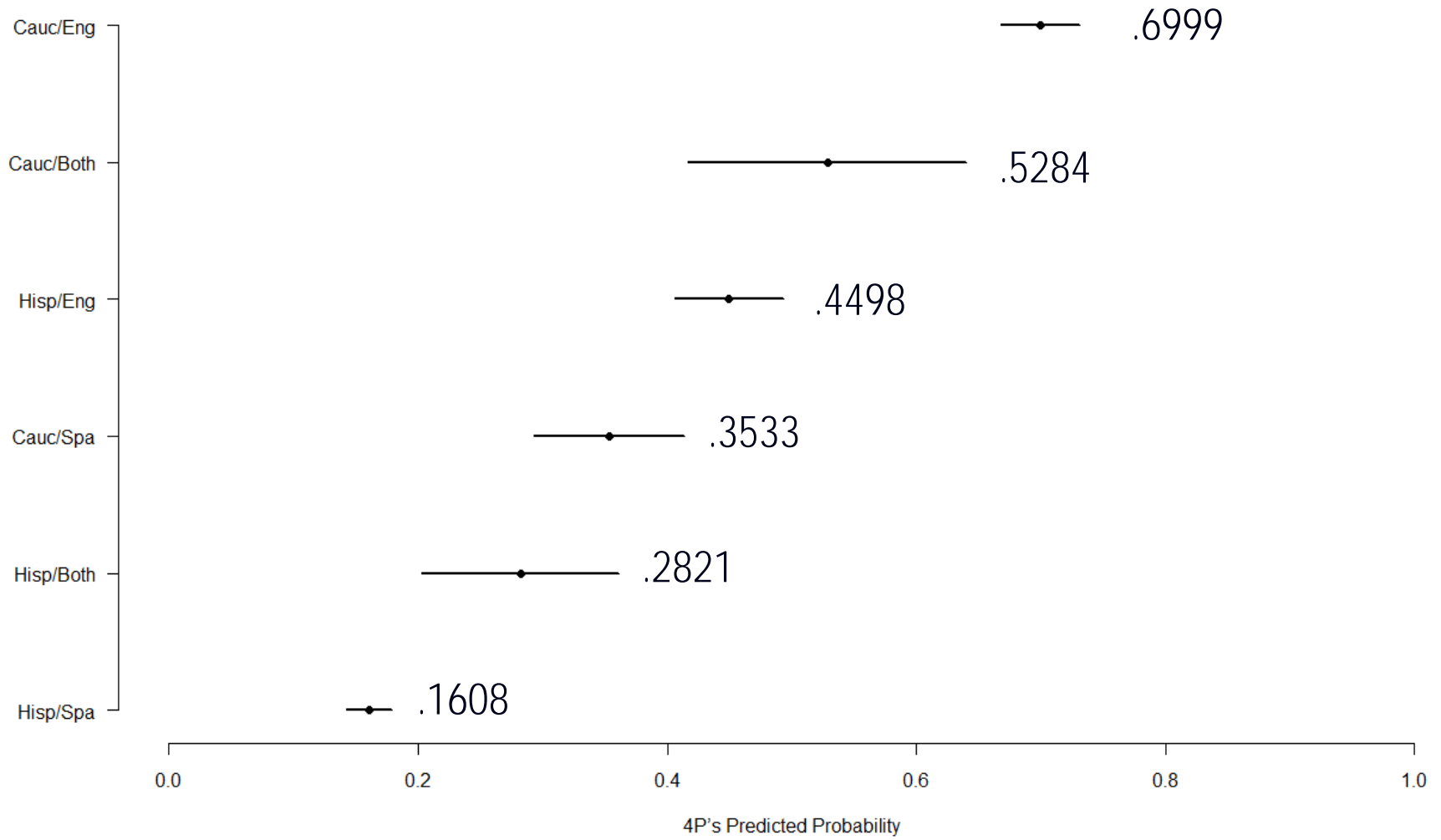


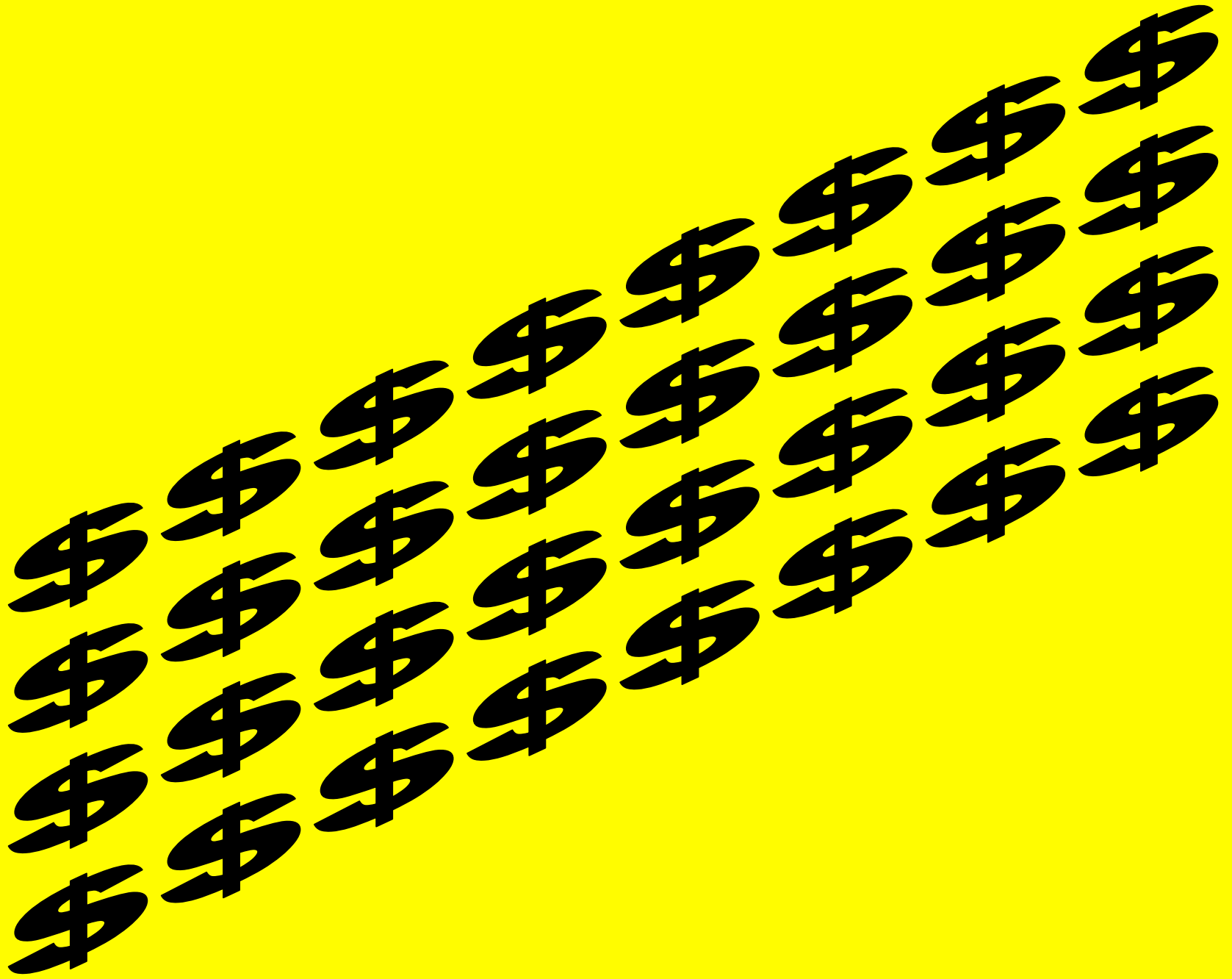
Solano County: Screening Results for Hispanic Women by Primary Language*



* $P < .001$

Error Bar for Ethnicity & Language



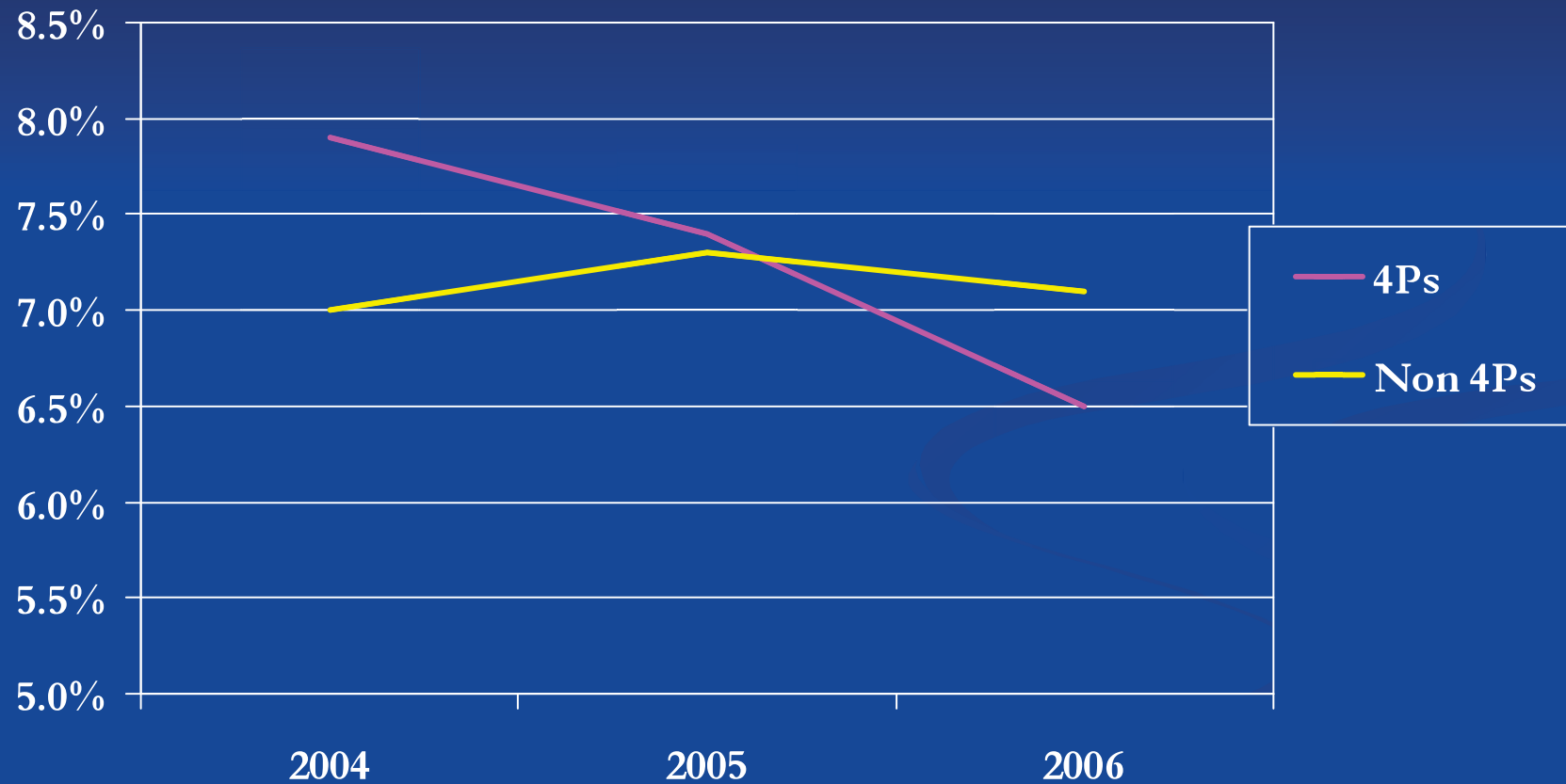


Clinical Impact: Low Birth Weight Rates

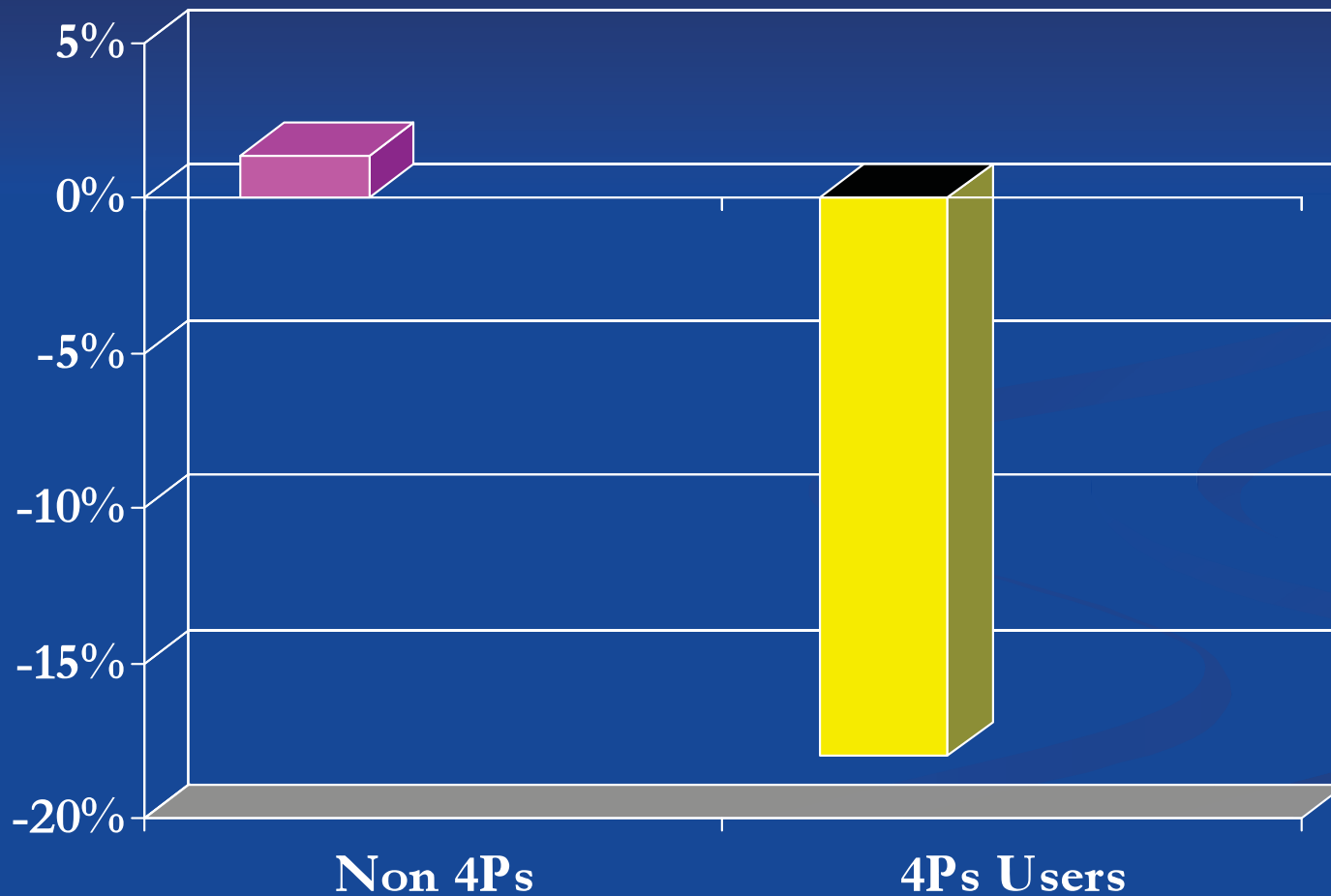
Two groups of physicians'
patients in SBC

- 4P's Plus Providers N= 8,520
- Non 4P's Plus N=23,137

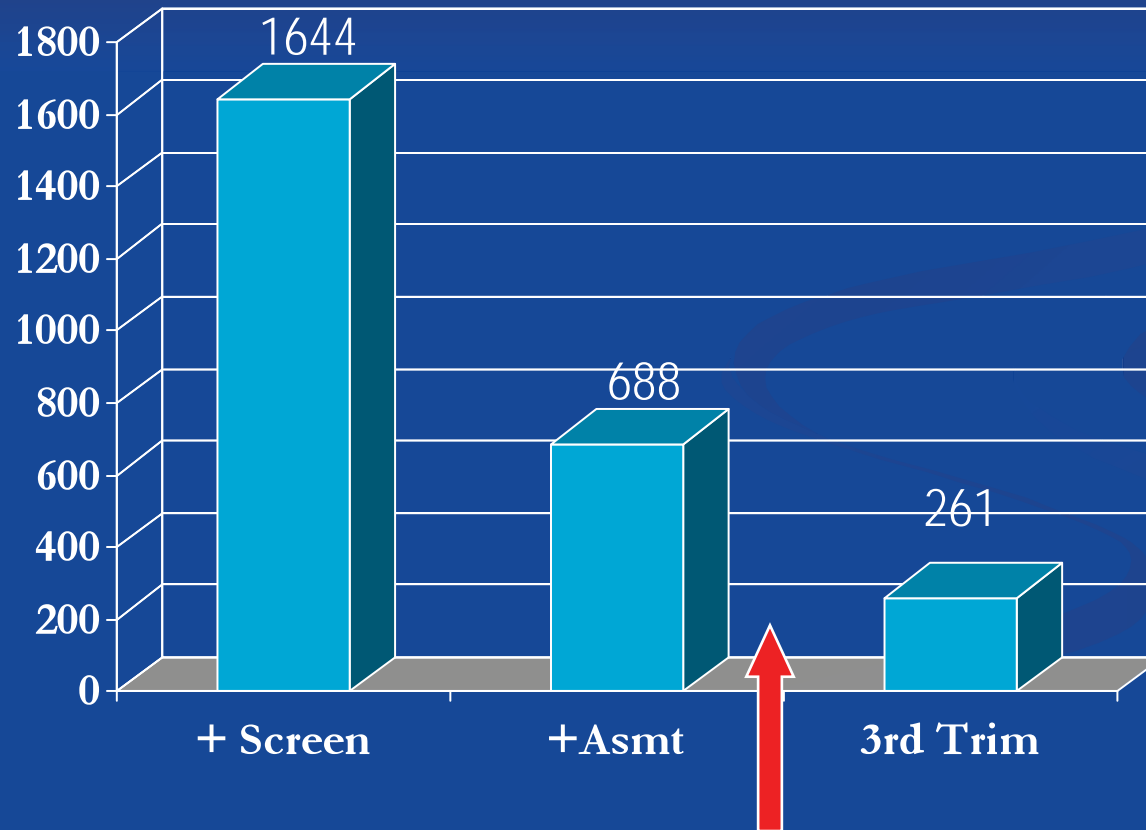
San Bernardino County Low Birth Weight Rates



Clinical Impact in SBC: Changes in Low Birth Weight Rates



Substance Use Patterns Among Women in Solano County with a Positive Screen



Cost of Medical Care in First Year of Life*

Low Birth Weight baby = \$49,000

Normal Birth Weight baby = \$4,551

**March of Dimes, 2006*

LBW Savings in the First Year of Life: Solano County

*688 using → BI → 261 continued using
405 stopped using*

Low birth weight rate for 405 is 3% →

12.2 LBW babies¹

If 405 continued then LBW rate is 12% →

48.6 LBW babies²⁻⁵

¹CDC, USDHHS

²Chasnoff et al 1992

³Windham et al, 1995

⁴Martin et al, 2006

⁵Bandstra et al, 2001

LBW Savings in the First Year of Life

48.6 - 12.2 = 36.4 babies not born LBW

SAVED

\$49,000 \times 36.4 LBW babies = \$1,783,000

Long Term Cost Implications

- Systems impacted by these children:
 - health
 - mental health – co-occurring disorders: 94% ARND
 - substance abuse – significant increase in alcoholism
 - Education – 40% LBW babies are in special ed
 - child welfare – 4-5 x increased rate of abuse/neglect
 - criminal justice – 60% of FAS children end up in jail



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