

Maternal and Child Health, US-Mexico Border

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Definitions:

- Data refer to the US side only of the US-Mexico border
- Border region defined as 44 US counties within 62 miles or 100 kilometers of the border
- Data are from birth and death certificates for residents of the border counties, plus US Census
- Birth and death certificate data have some disadvantages, but several important advantages

U.S. Counties Included in Border Region



U.S.-Mexico Border Region



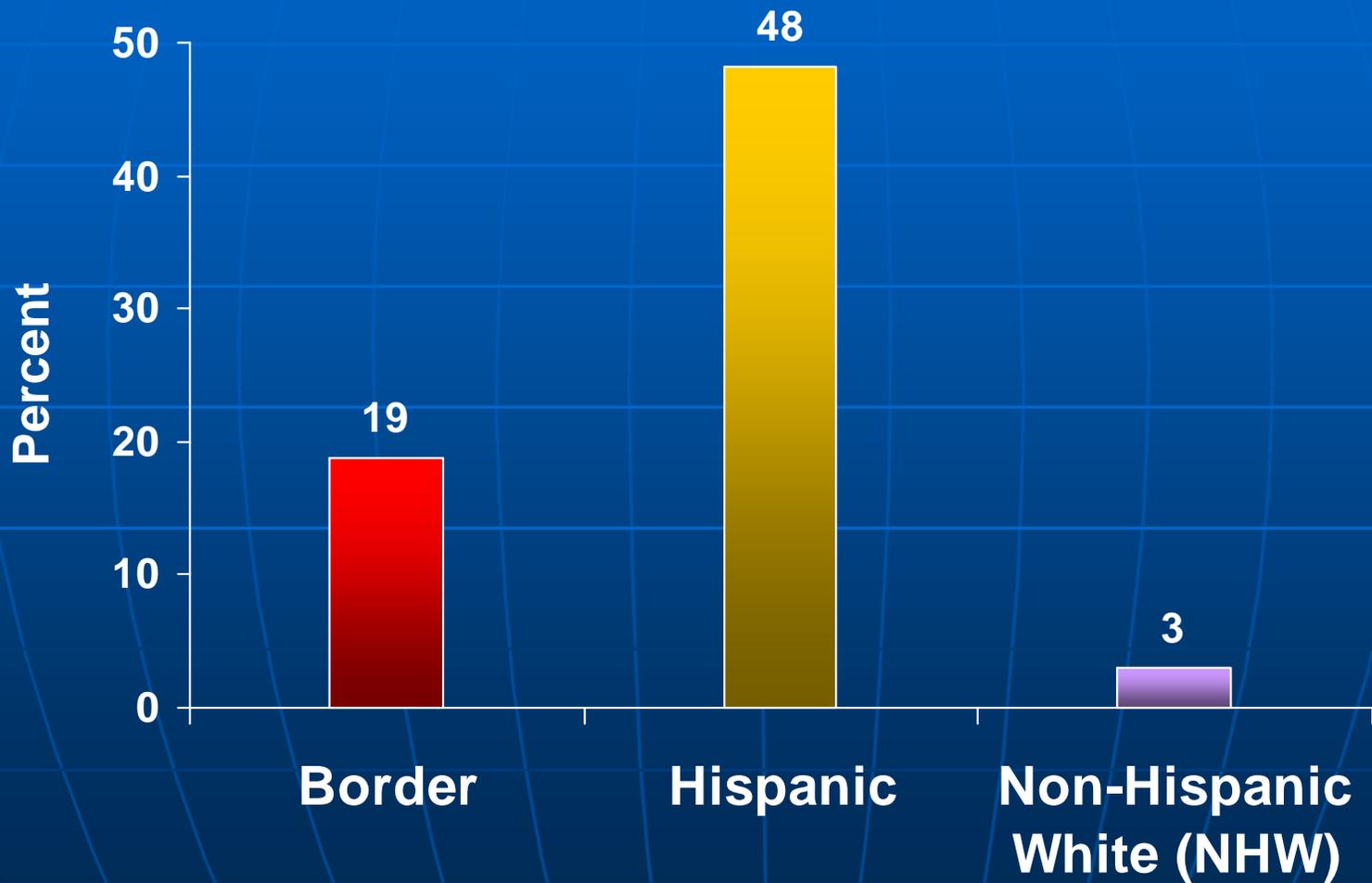
Population Growth, USA and US-Mexico Border 1990-2000



	1990	2000
USA	248,709,873	281,421,906
Border	5,432,305	6,553,766

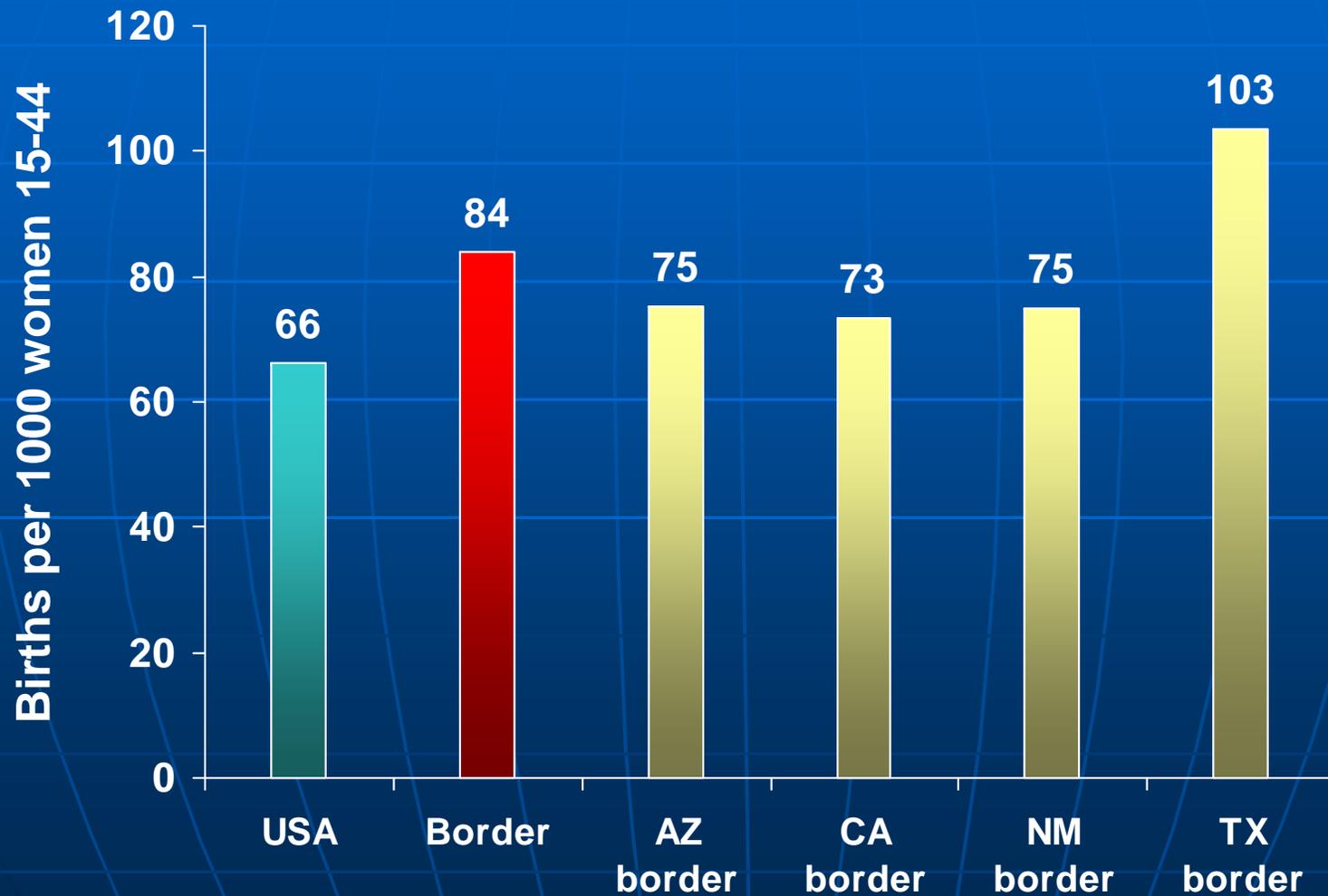
Source: 1990, 2000 Census.

Population Growth, US-Mexico Border 1990-2000



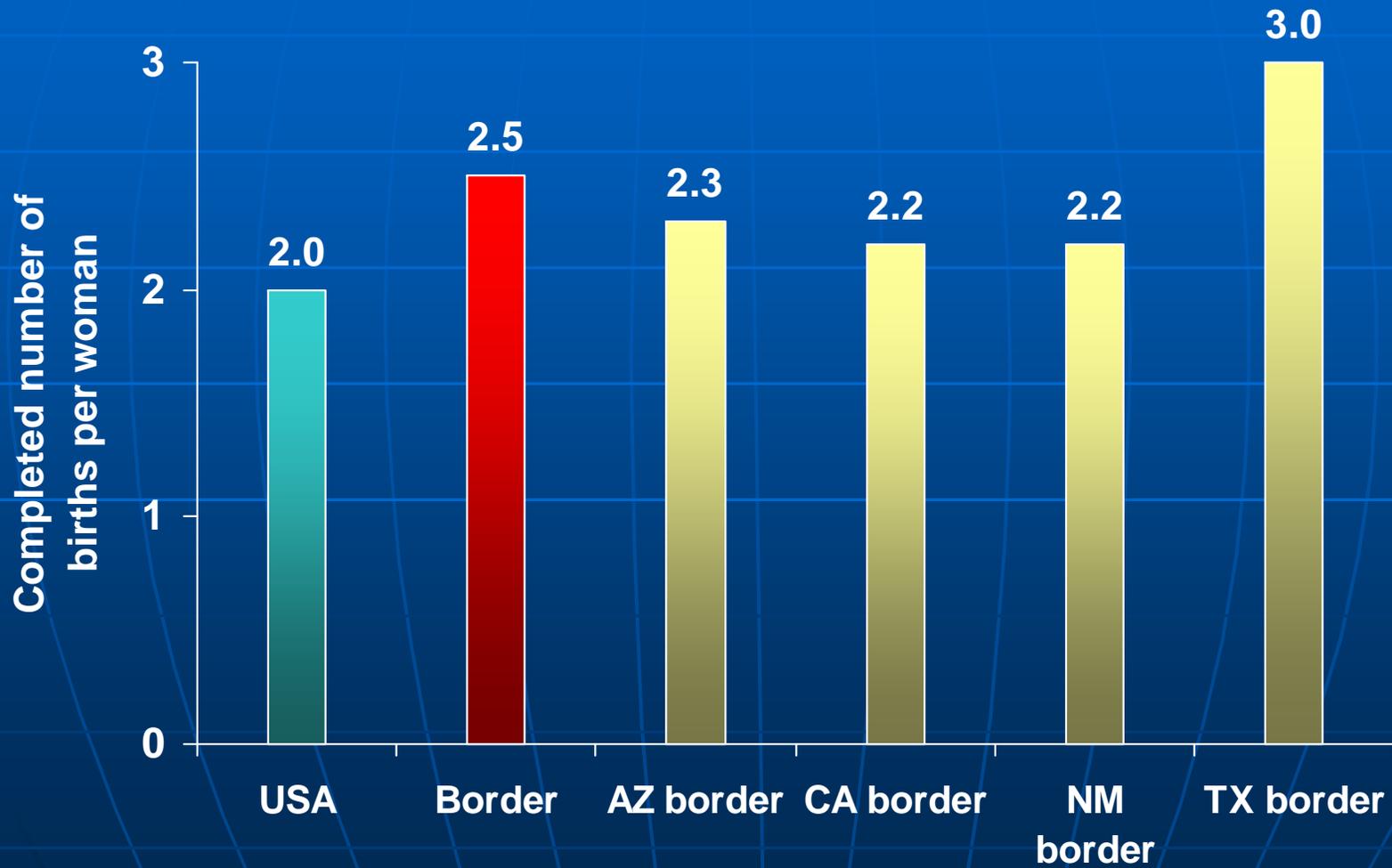
Source: 1990, 2000 Census.

Fertility Rate, USA and US-Mexico Border 2004



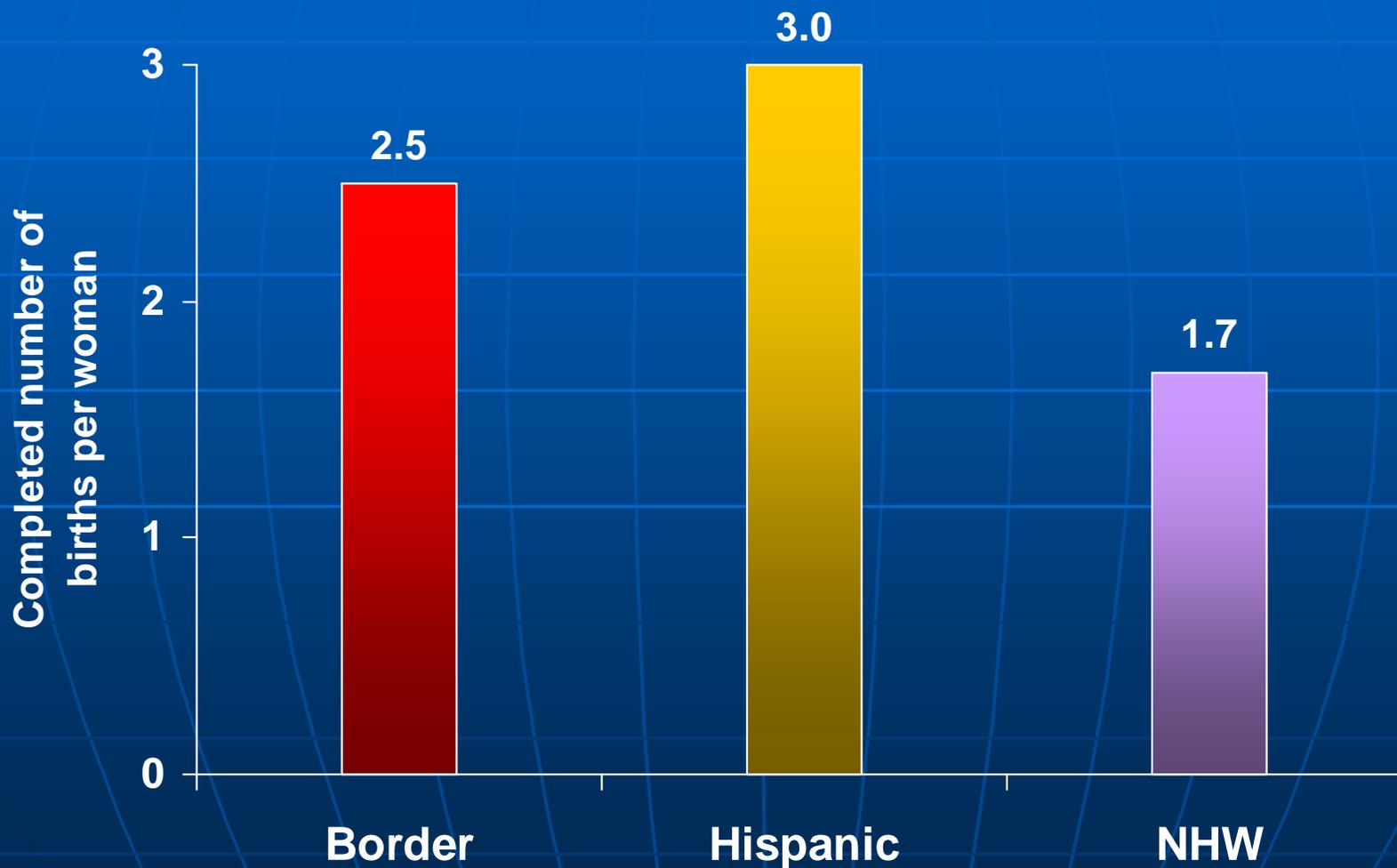
Source: National natality data, NCHS/CDC.

Total Fertility Rate, USA and US-Mexico Border 2004



Source: National natality data, NCHS/CDC.

Total Fertility Rate, US-Mexico Border 2004

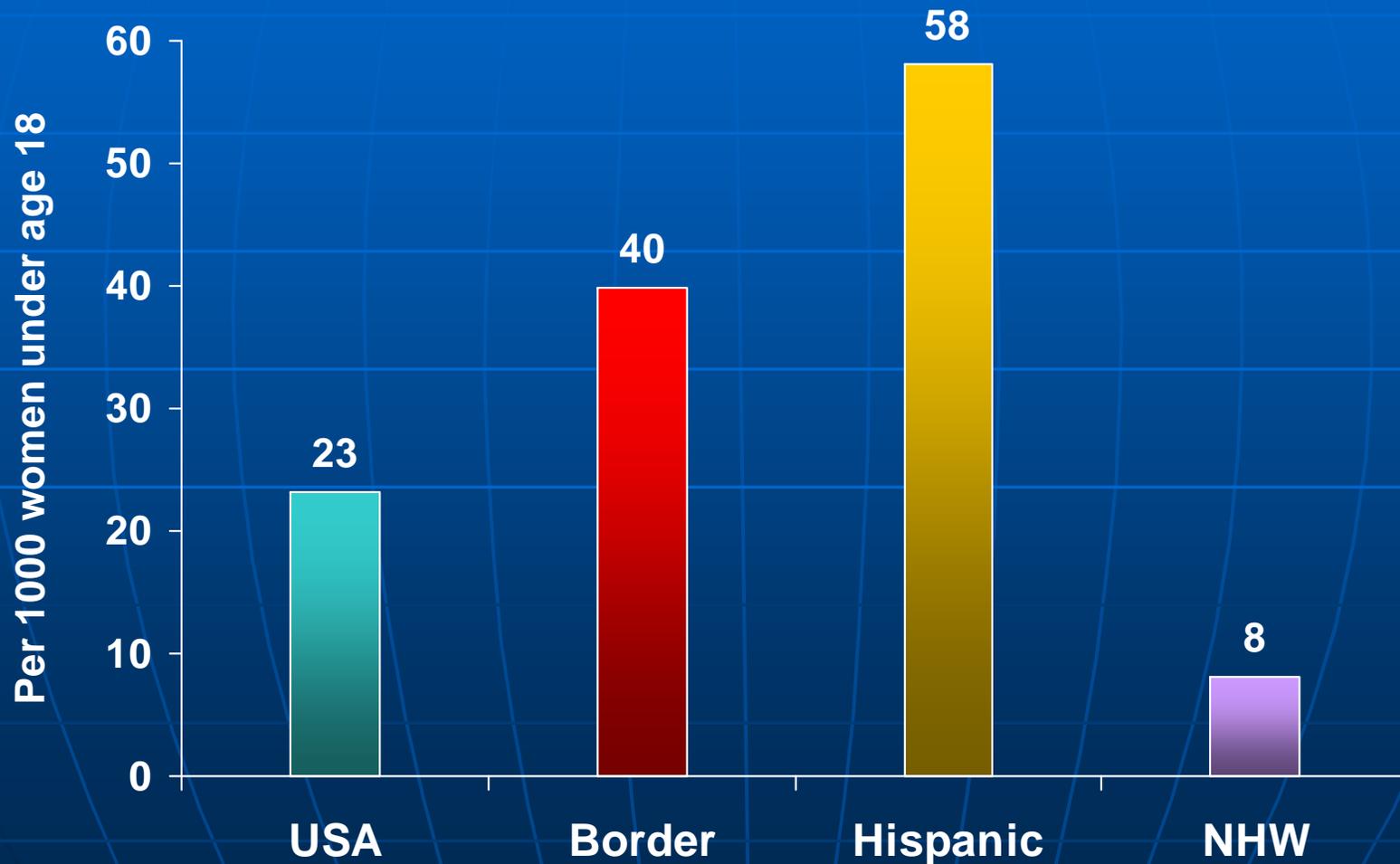


Source: National natality data, NCHS/CDC.

Risk Factors for Pregnant Women and Infants

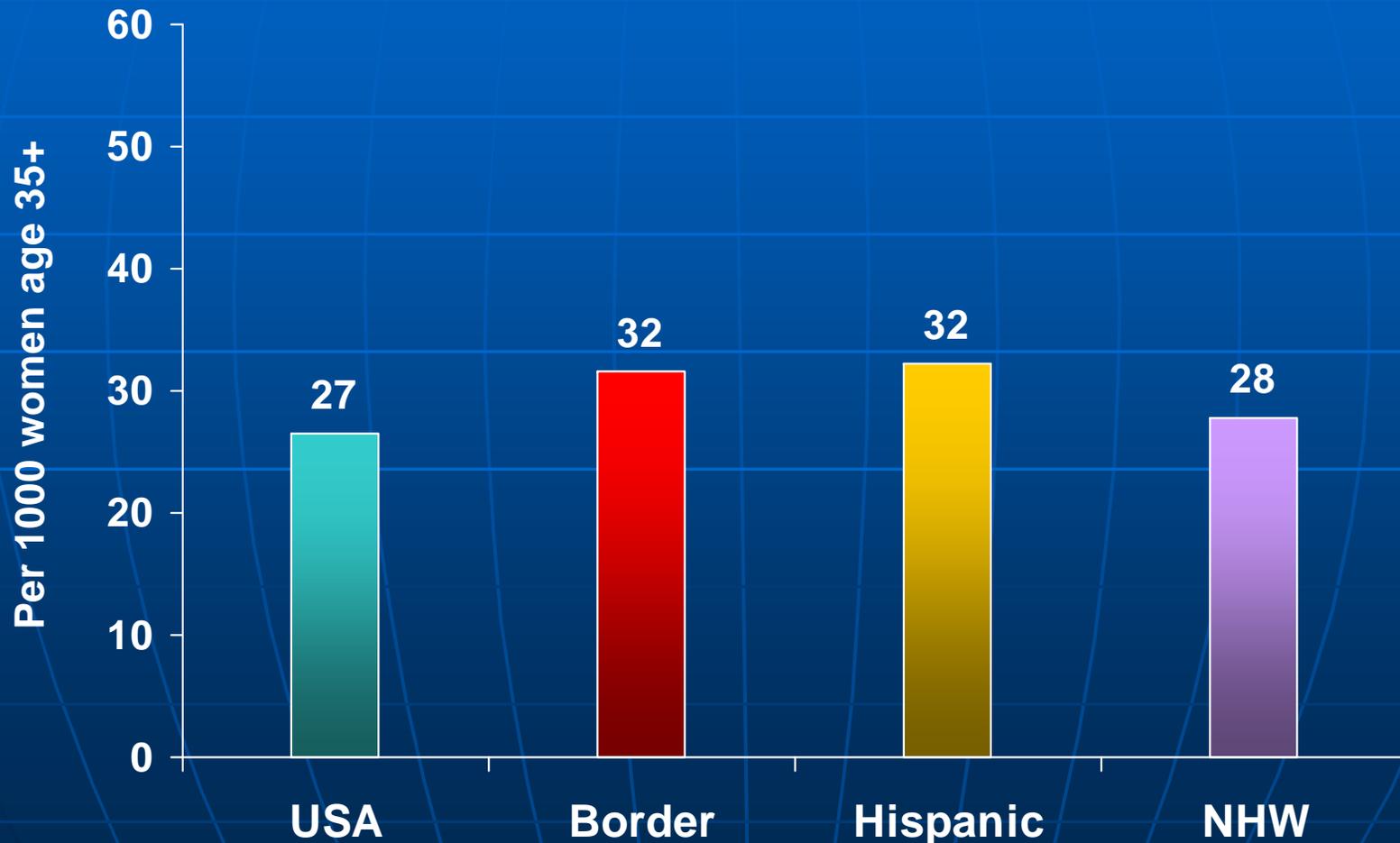
- Teen pregnancy/childbirth
- Pregnancy/childbirth at age 35+
- Low socioeconomic status
- Maternal smoking, drinking
- Access to prenatal care
- Maternal health conditions
- Maternal nutrition

Early Teen Birth Rate, USA and US-Mexico Border 2004



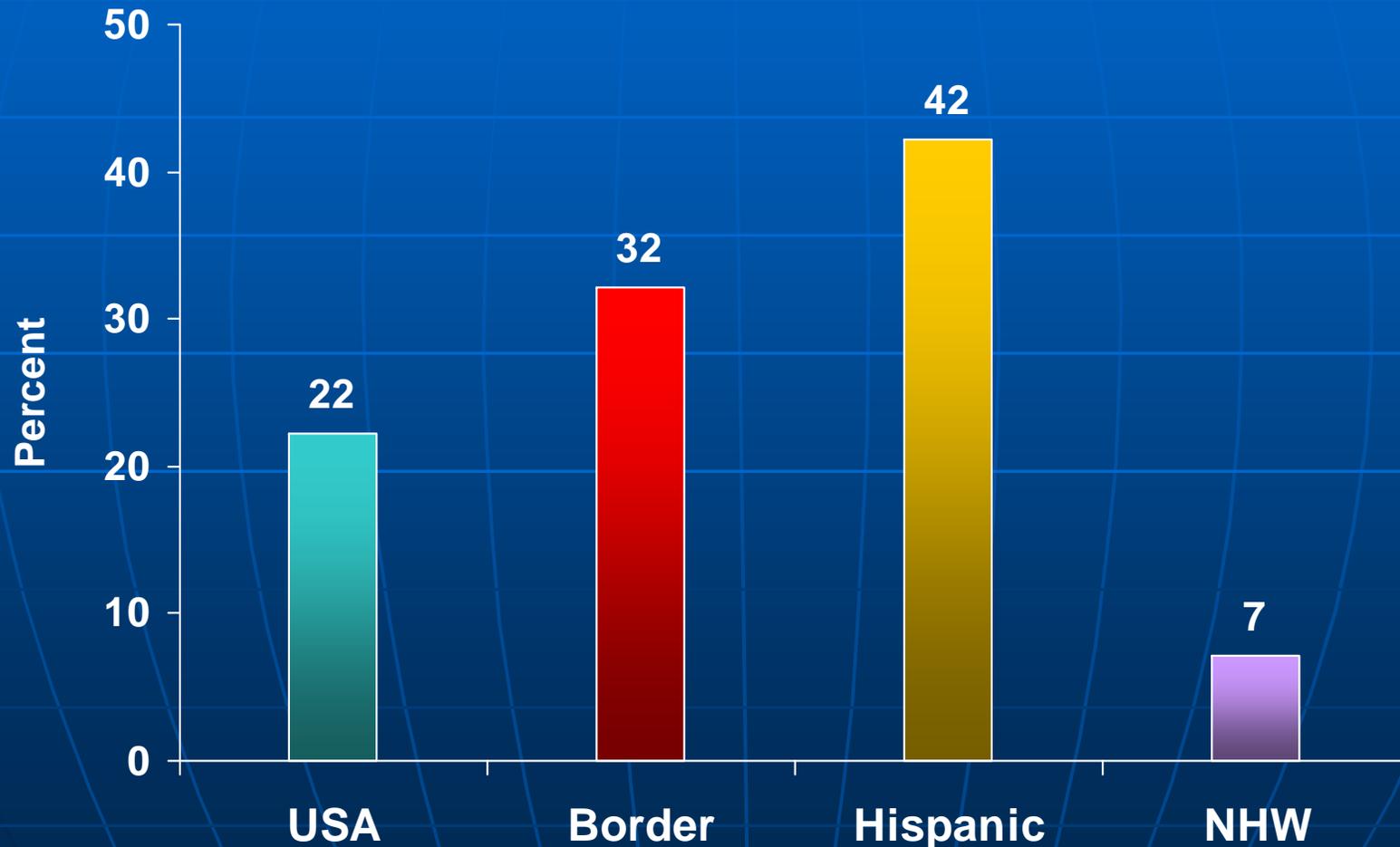
Source: National natality data, NCHS/CDC.

Birth Rate for Women 35+, USA and US-Mexico Border 2004



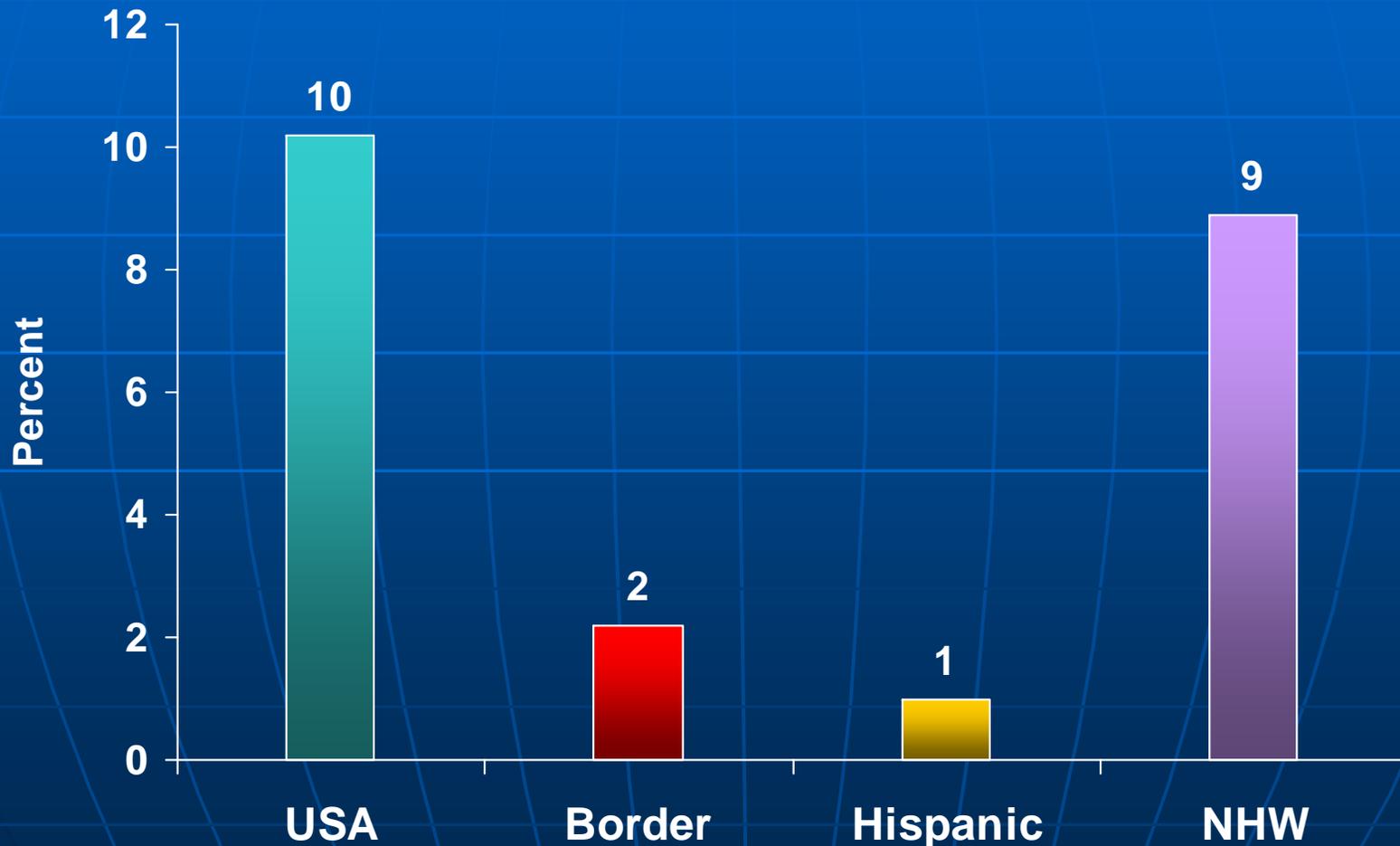
Source: National natality data, NCHS/CDC.

Percent of Mothers with Less Than 12 Years of Education, USA and US-Mexico Border 2004



Source: National natality data, NCHS/CDC.

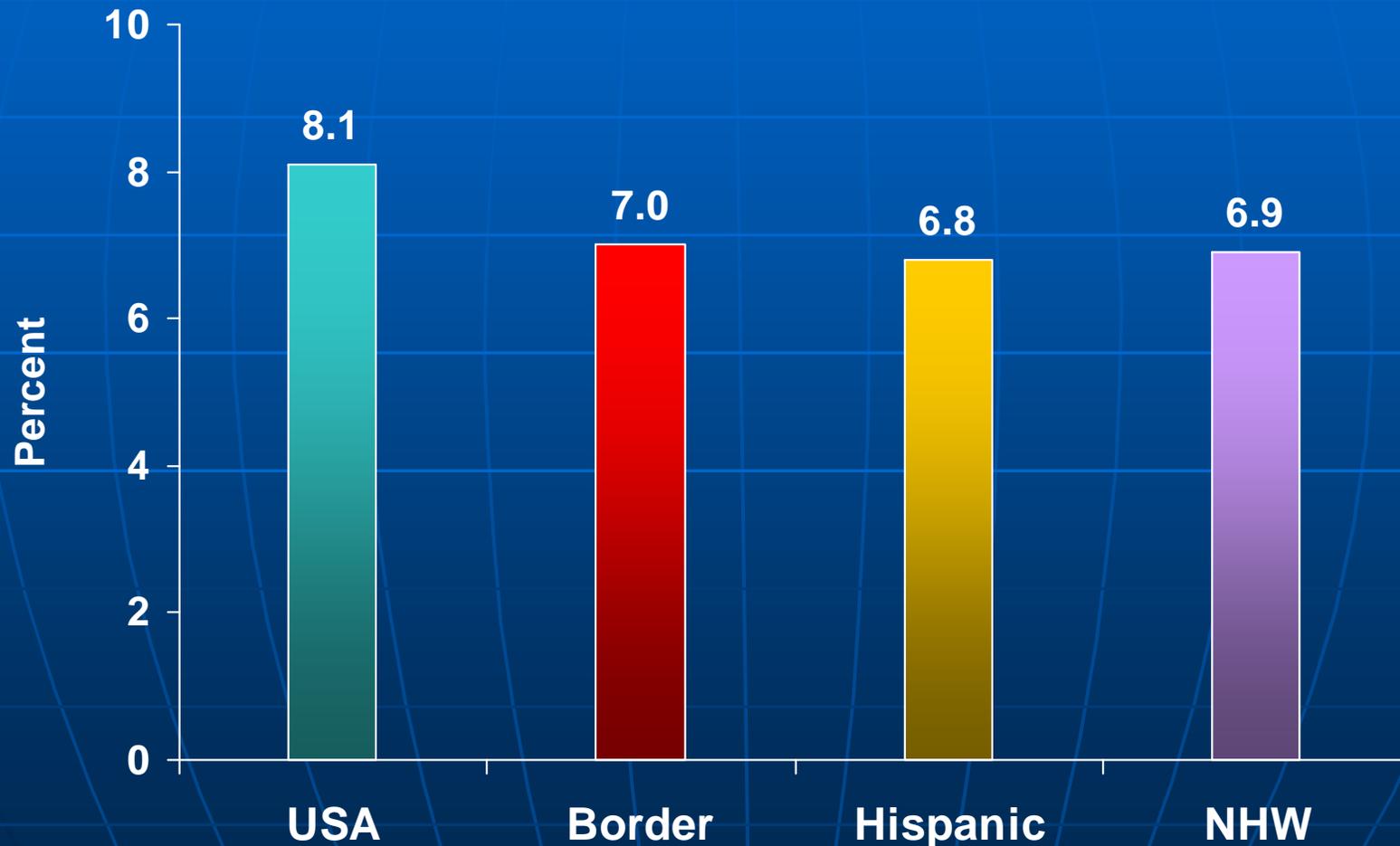
Percent* of Mothers Who Smoked During Pregnancy, USA and US-Mexico Border 2004



Source: National natality data, NCHS/CDC.

*Excludes data for California and other states.

Percent Low Birth Weight, USA and US-Mexico Border 2004



Source: National natality data, NCHS/CDC.

Infant Mortality Rate, USA and US-Mexico Border, 2004



Source: National natality and mortality files, NCHS/CDC.

Hispanic Paradox

- Why do Hispanic mothers, infants and children have such good health despite their low income, low education, and other disadvantages?

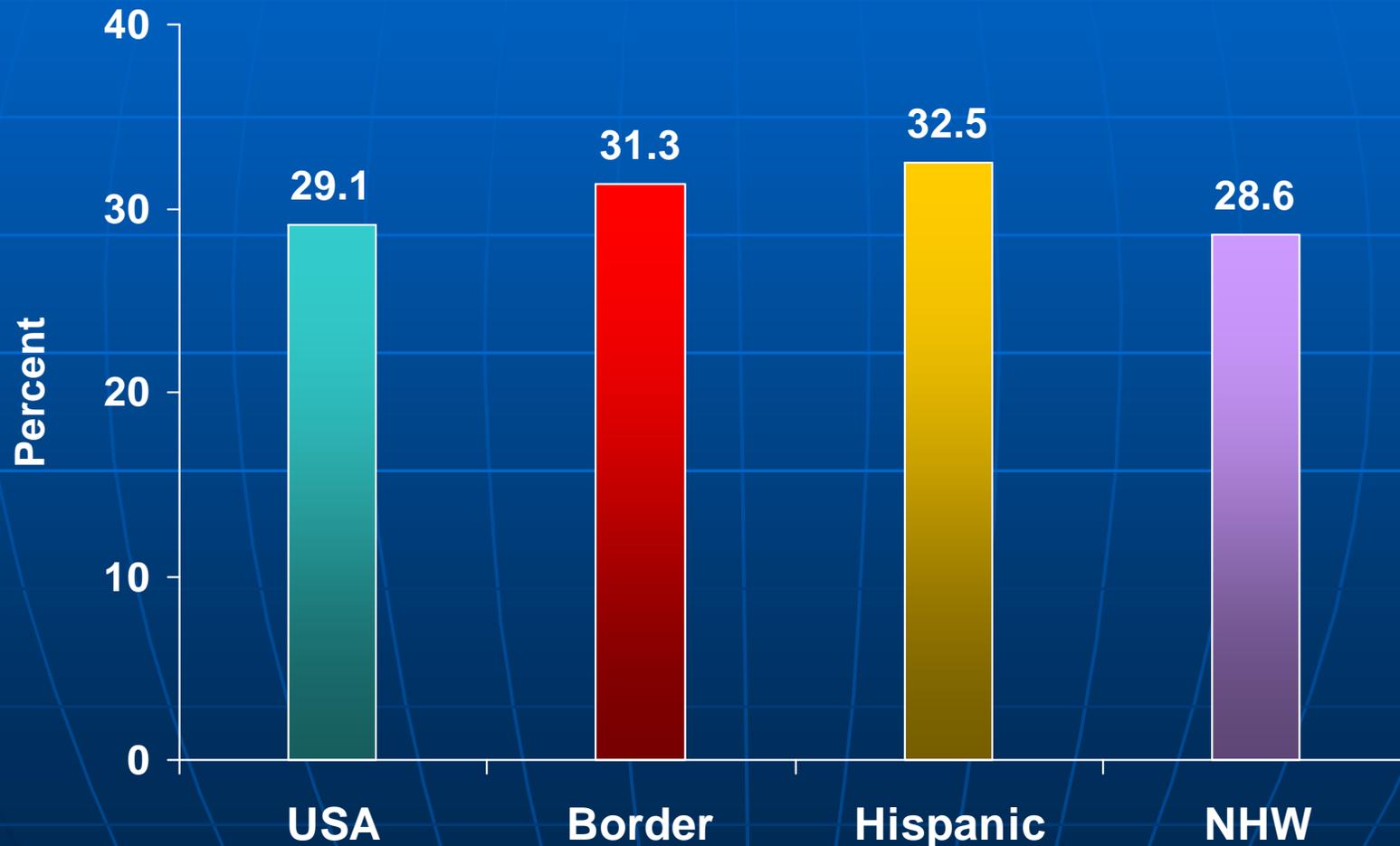
MCH Data Quality

- Birth weight:
 - Very few birth certificates do not contain this information
 - Accuracy of birth weight data is certainly good enough to be confident of the percent low birth weight
- Infant mortality:
 - Border figures are similar to national rates for Hispanics and non-Hispanic Whites
 - Border Hispanic rate may be affected by women crossing border to give birth in US

Childhood Health

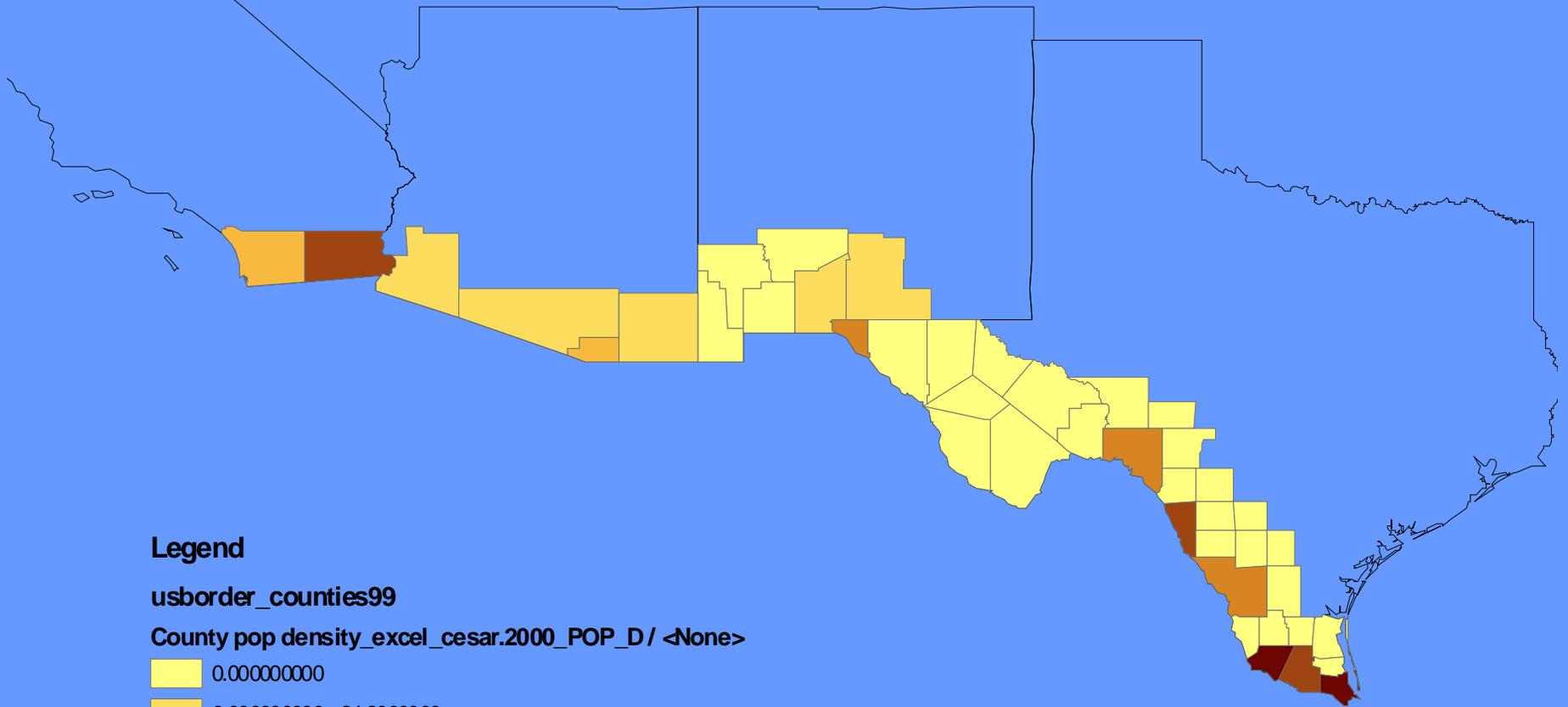
- Beyond the first year of life, the leading cause of childhood death is injuries, for both the border and the USA
 - Within the injury category, motor vehicle crashes is the leading cause
- Childhood obesity and type 2 diabetes are increasing concerns on the border

Percent Cesarean Section Deliveries, USA and US-Mexico Border 2004



Source: National natality data, NCHS/CDC.

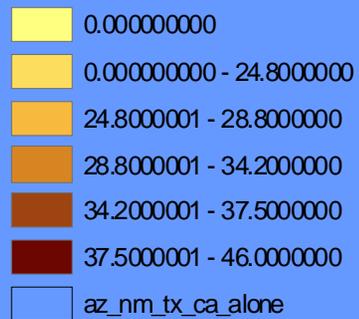
Cesarean Section Rate, US-Mexico Border 2004



Legend

usborder_counties99

County pop density_excl_cesar.2000_POP_D / <None>



Thanks!

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