

Acculturation et santé périnatale: le "paradoxe mexicain" est-il universel?

Pierre Buekens

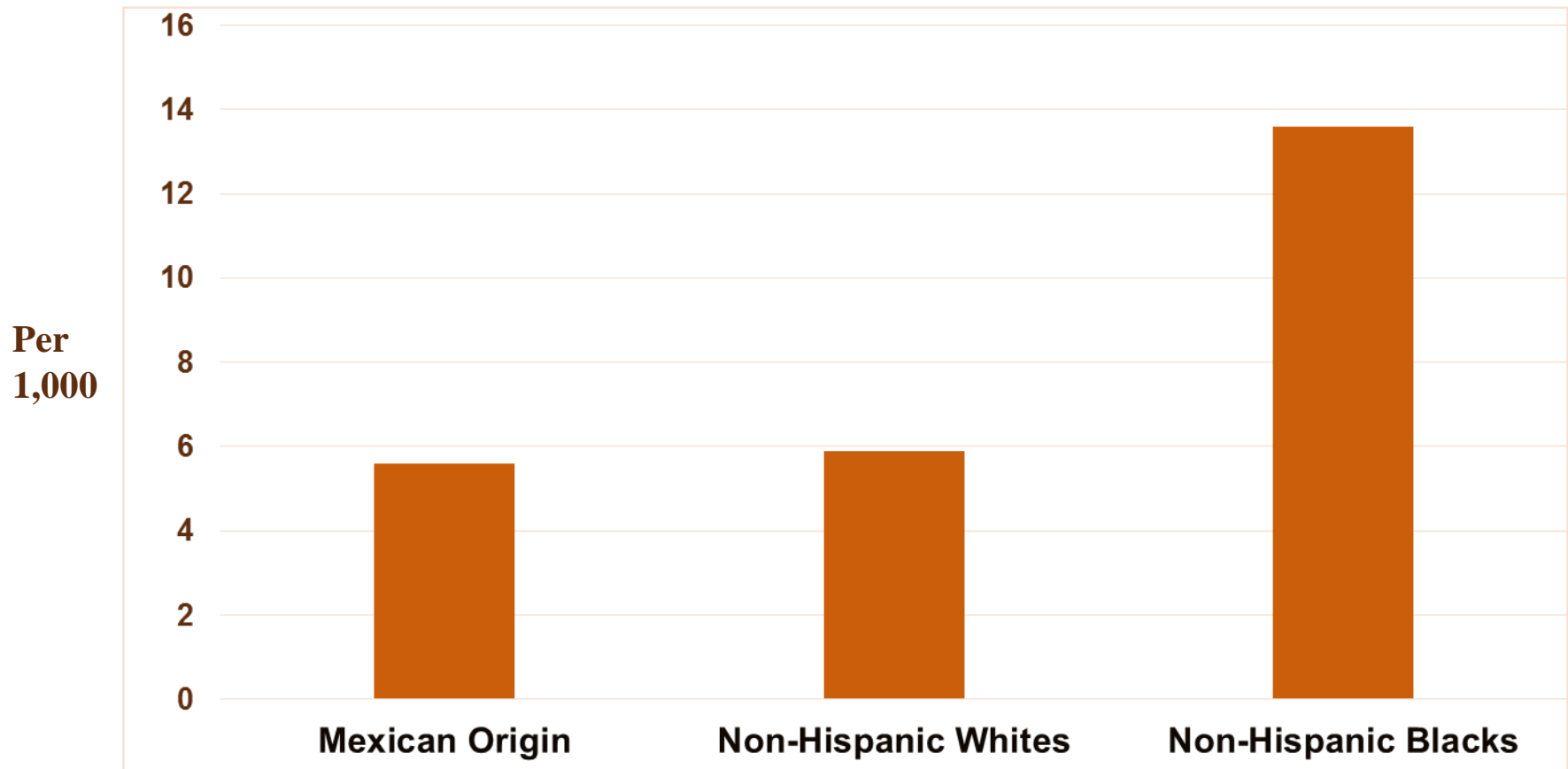
The Health of Hispanics in the Southwestern United States: an Epidemiologic Paradox

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Epidemiologic Paradox

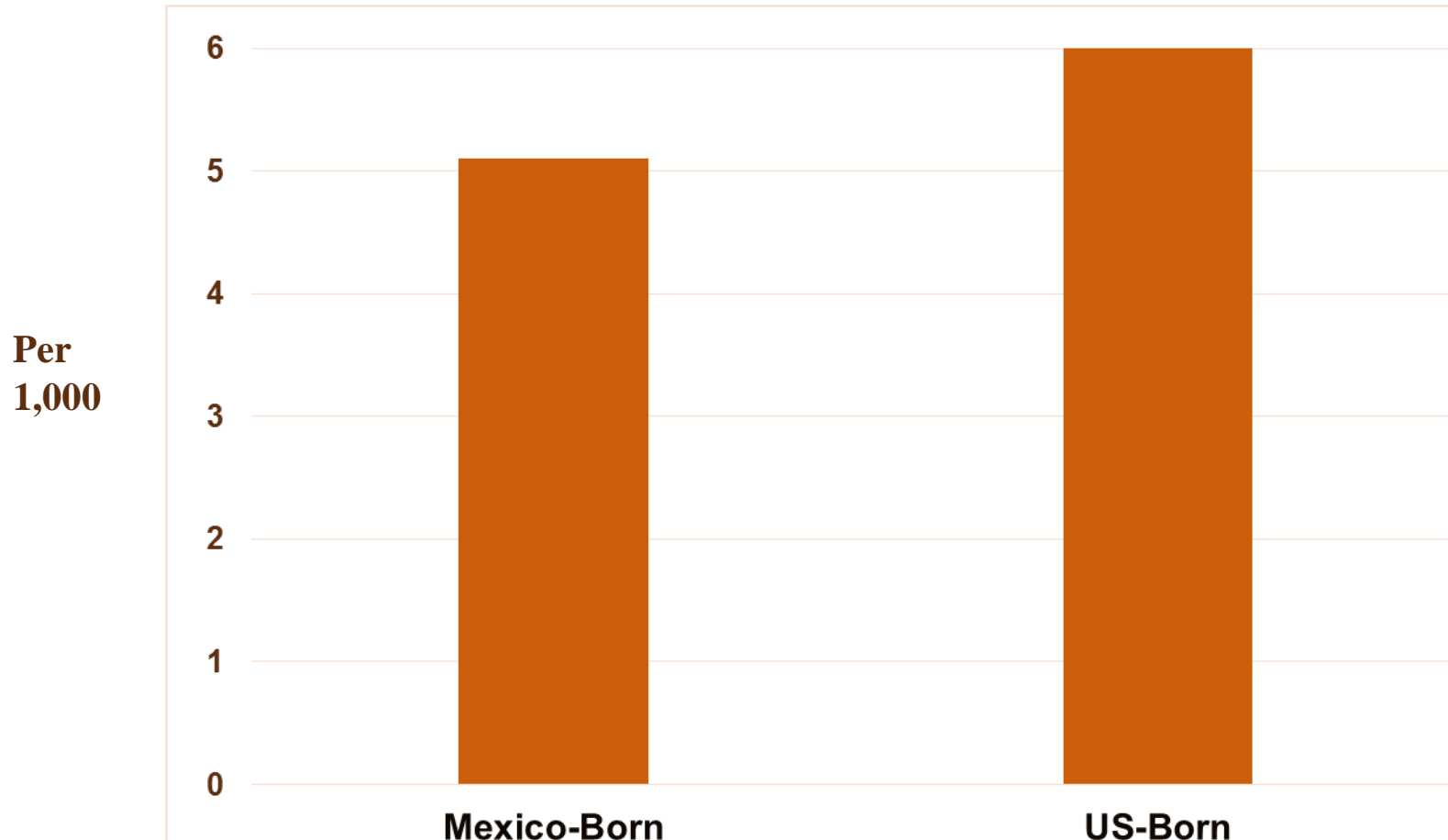
Infant Mortality USA 1995-2000



Mexican Paradox

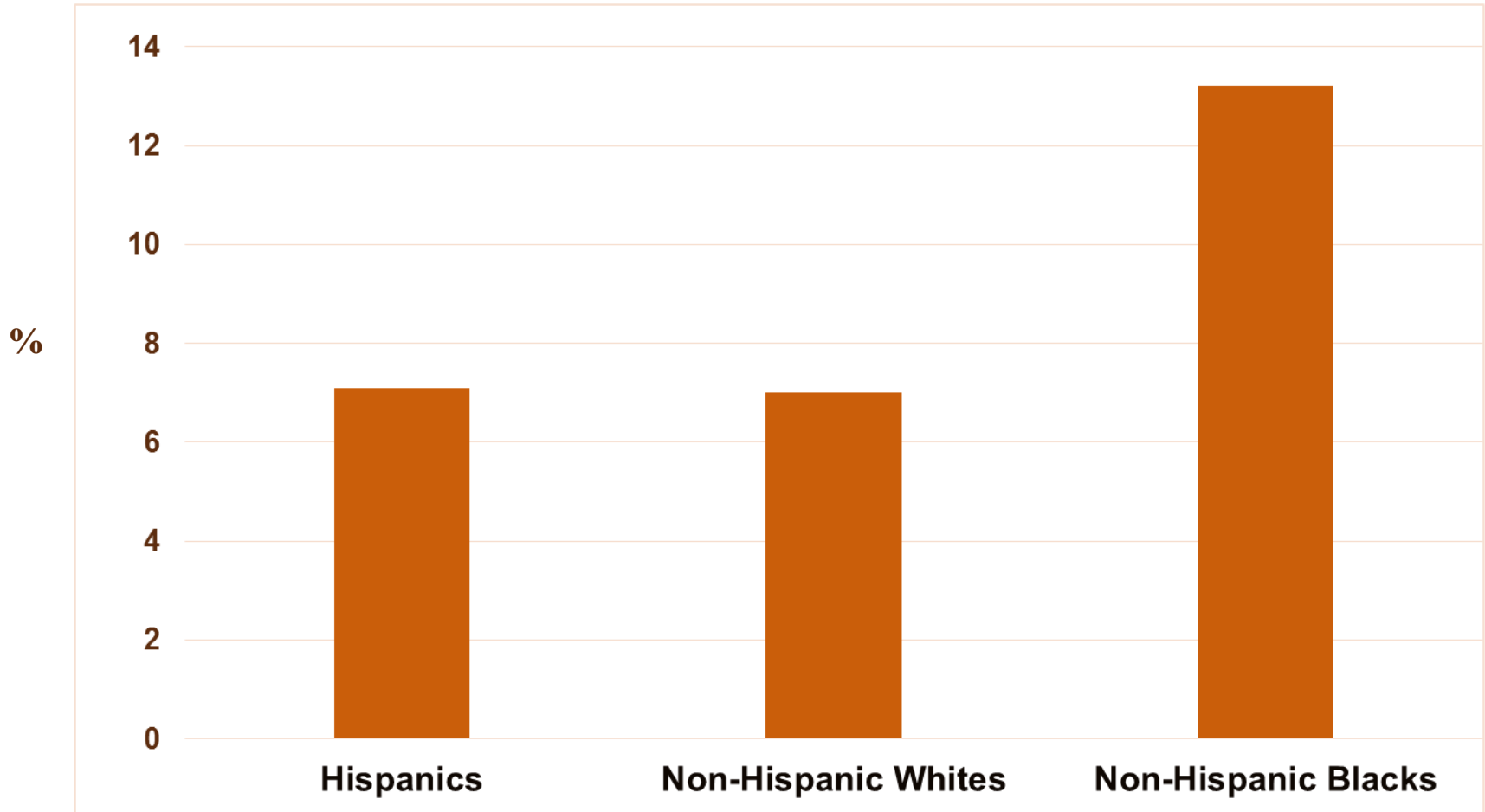
Infant Mortality USA 1995-2000

Women of Mexican Origin



Epidemiologic Paradox

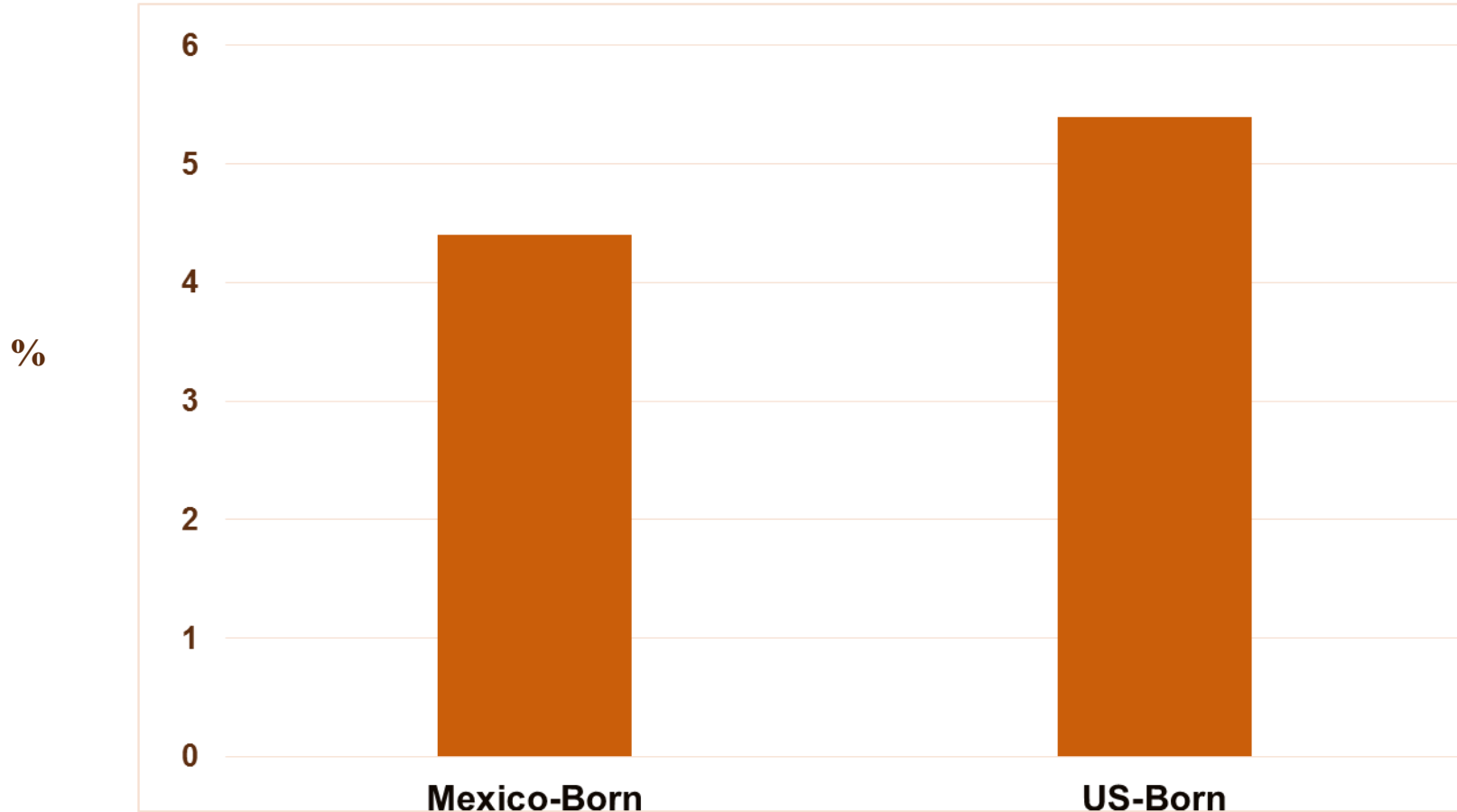
Low Birth Weight (<2,500g) USA 2014



Mexican Paradox

Low Birth Weight USA 2002

Women of Mexican Origin



Singletons ≥ 20

Acevedo-Garcia et al., 2007

Healthy Migrant Effect?



Birthweight Distributions in Mexico City and among US Southwest Mexican Americans: The Effect of Altitude

Francis C. Notzon, PhD, José Luis Bobadilla, MD, PhD, and Irma Coria, MPH

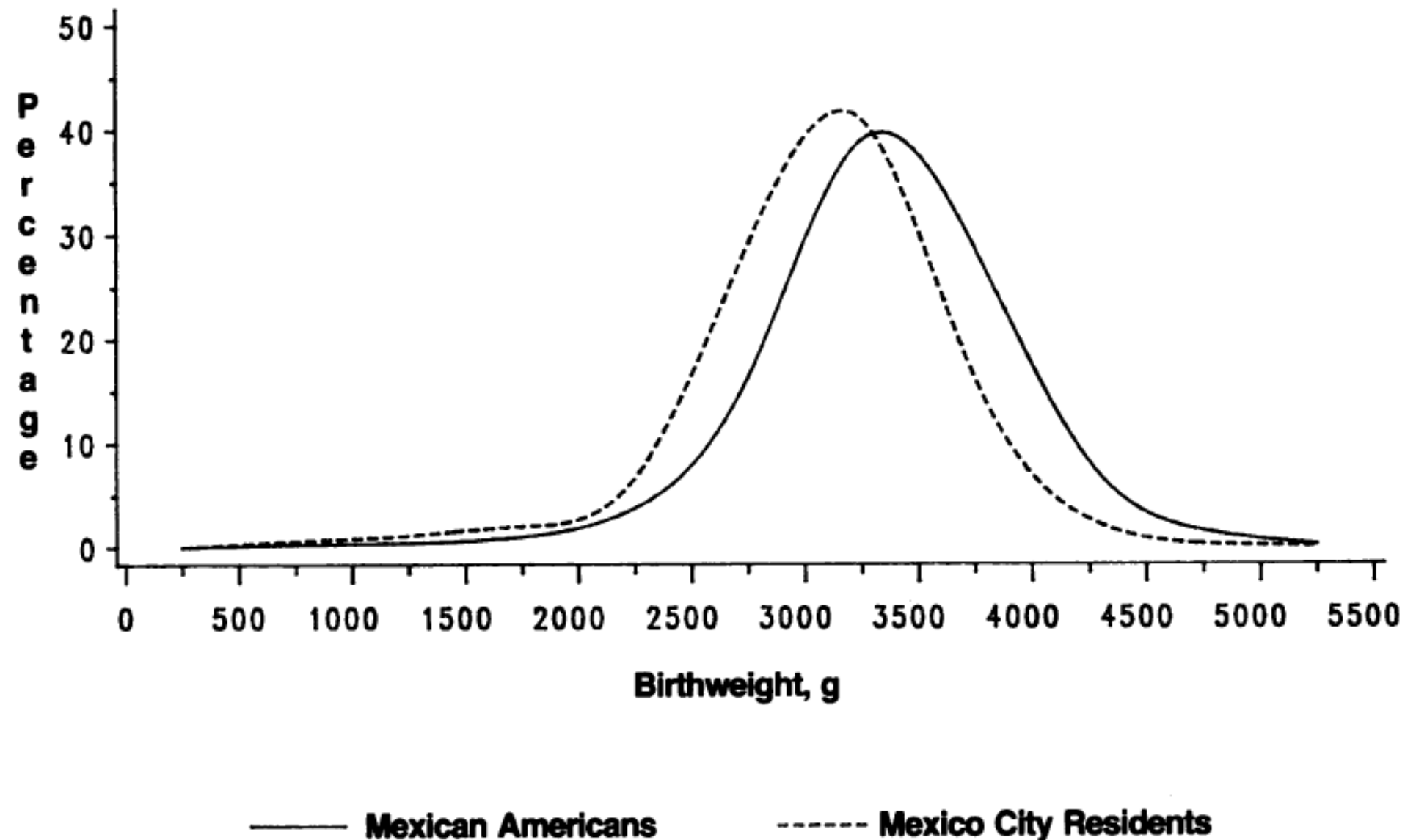


FIGURE 1—Birthweight distributions: US Southwest Mexican Americans, 1980–1984, and Mexico City Residents, 1984. Sources: US National Center for Health Statistics, national vital statistics data, 1980–1984; Mexico City, Center for Public Health Research, perinatal mortality study, 1984.

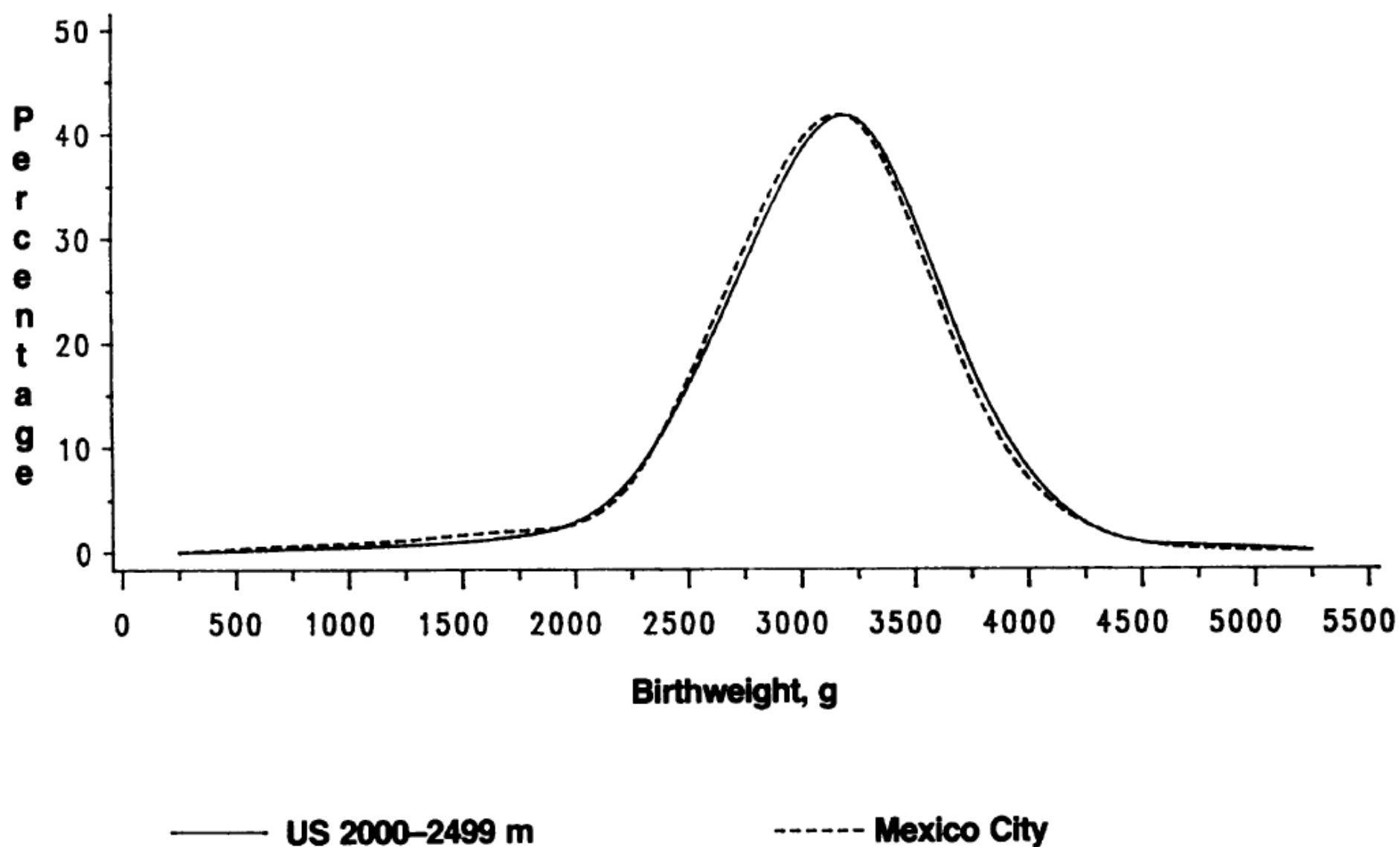
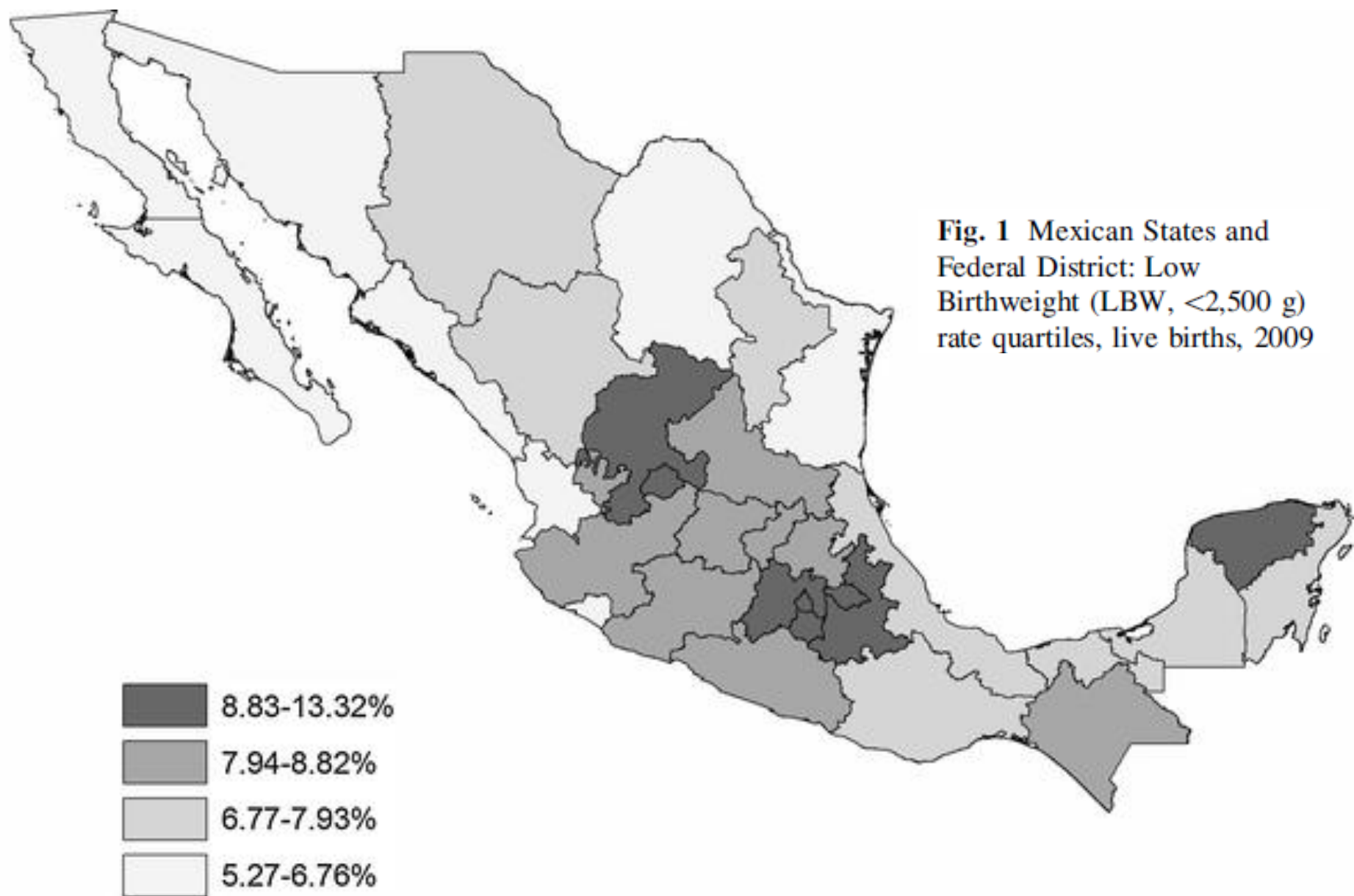


FIGURE 3—Birthweight distributions, adjusted for altitude: US Southwest Mexican Americans, 1980 to 1984, and Mexico City Residents, 1984. Sources: US National Center for Health Statistics, national vital statistics data, 1980 to 1984, and Bureau of Health Professions, Area Resources File, 1980; Mexico City, Center for Public Health Research, perinatal mortality study, 1984.



Acculturation?



Acculturation

- Process of cultural change in which one group or members of a group assimilate various cultural patterns from another.

Perceptions of Acculturation

Diversity

Integration

- ← Acculturation → +



Acculturation

- Potential negative effects:
 - Stress
 - Smoking
 - Alcohol
 - Diet
 - Loss of social networks



Acculturation and Low Birthweight among Latinos in the Hispanic HANES

RICHARD SCRIBNER, MD, MPH, AND JAMES H. DWYER, PhD

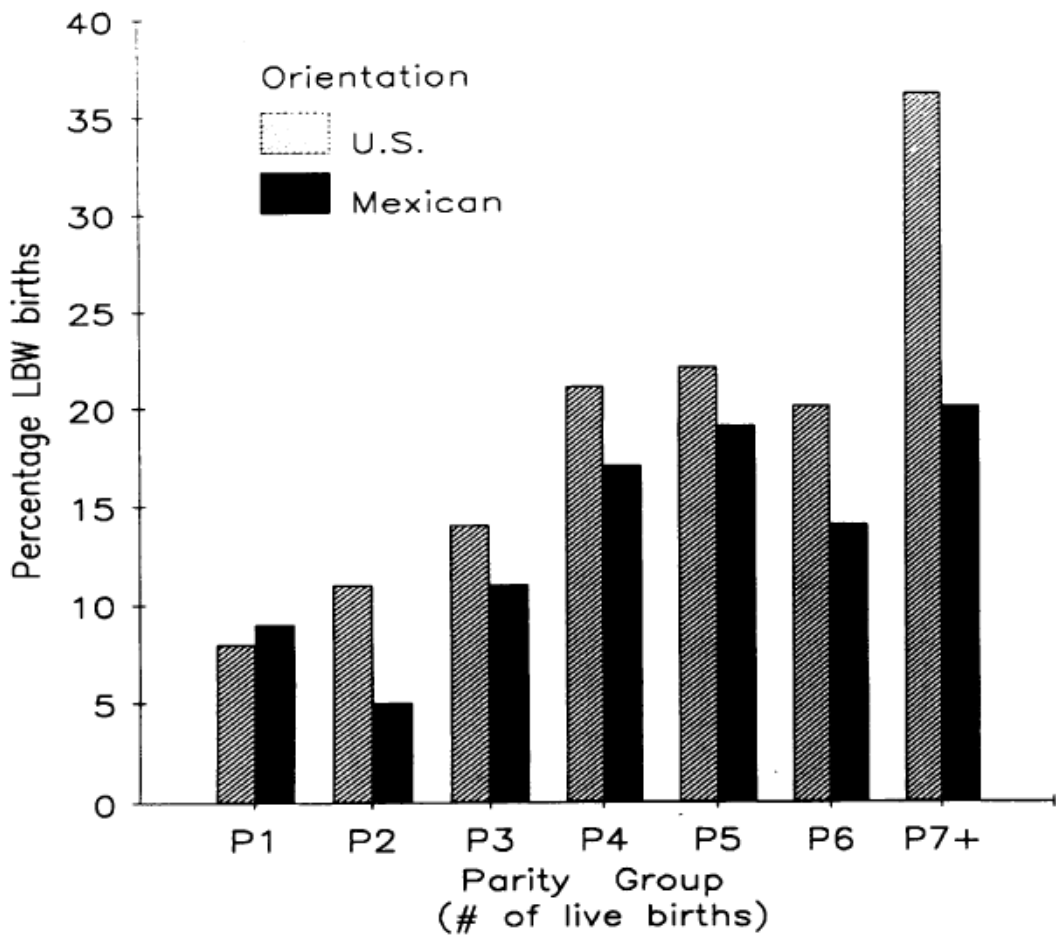


FIGURE 2—Percentage of Mothers with Low Birthweight Births for each Cultural Orientation by Parity Group

Acculturation Scales

- ARSMA-II Acculturation Rating Scale for Mexican Americans-II
- 30-item Likert type scale
- 3 primary factors:
 - language
 - ethnic identity
 - ethnic interaction

U.S. vs. Europe

- U.S.
 - No official language
 - Ethnicity
 - Diversity
- Europe
 - Official languages
 - Nationality
 - Integration



Le "paradoxe mexicain" est-il universel?

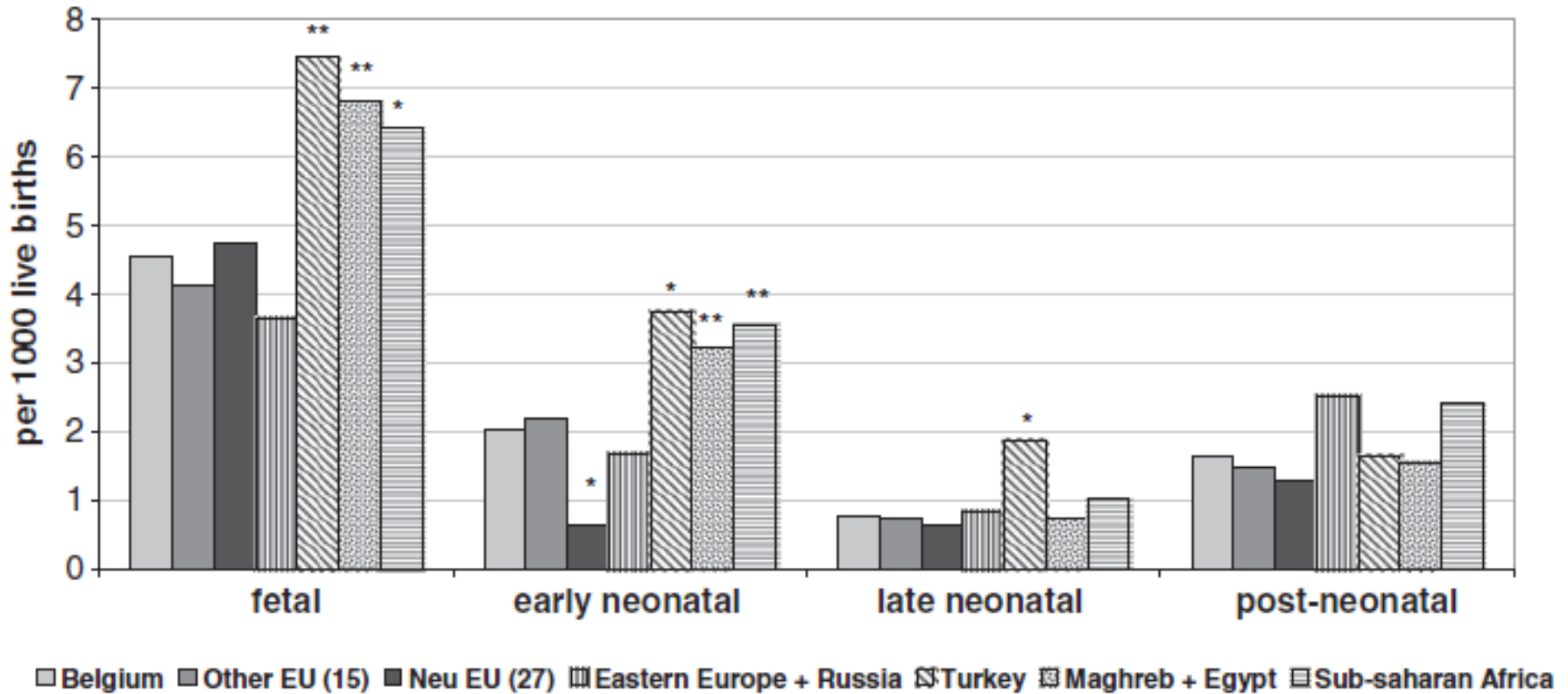


U.S. (1995) vs. Belgium (1992) Low Birth Weight

- U.S.: aOR
 - U.S. Born 1
 - Mexico Born 0.68 [0.67-0.69]
- Belgium:
 - Belgian 1
 - North African 0.68 [0.60-0.80]

Brussels (1998-2006)

Mortality



Acculturation?



Naturalization

Belgium 1998-2010

- Low birthweight: aOR

Belgium:	1
Maghreb:	0.45 [0.43-0.47]
Maghreb naturalized Belgian:	0.53 [0.50-0.56]

Adjusted for age, parity, employment, education

Naturalization

Belgium 1998-2010

- Perinatal mortality: aOR

Belgium:	1
Maghreb:	1.12 [1.01-1.25]
Maghreb naturalized Belgian:	1.02 [0.91-1.15]

Adjusted for age, parity, employment, education

U.S. vs. Europe

- U.S.
 - Infant mortality
 - Ethnicity
 - Acculturation
- Europe
 - Perinatal mortality
 - Nationality
 - Naturalization



Conclusions

- Paradoxe universel pour le poids de naissance
- Plus complexe pour la mortalité
- Les risques liés à l'acculturation sont à étudier avec une approche commune



