

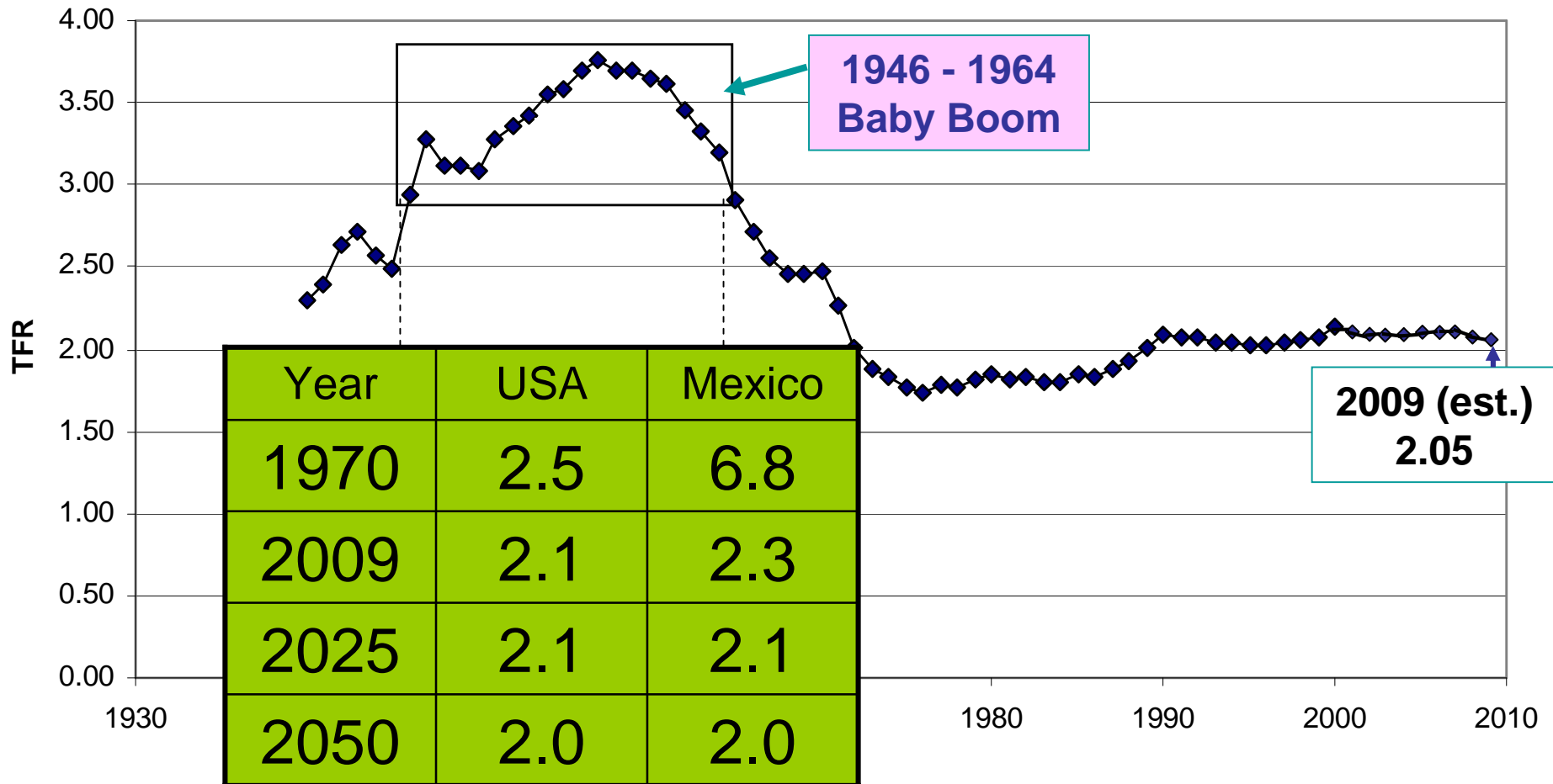
*Presentation to the Western States Water Council ~ November 17, 2009*

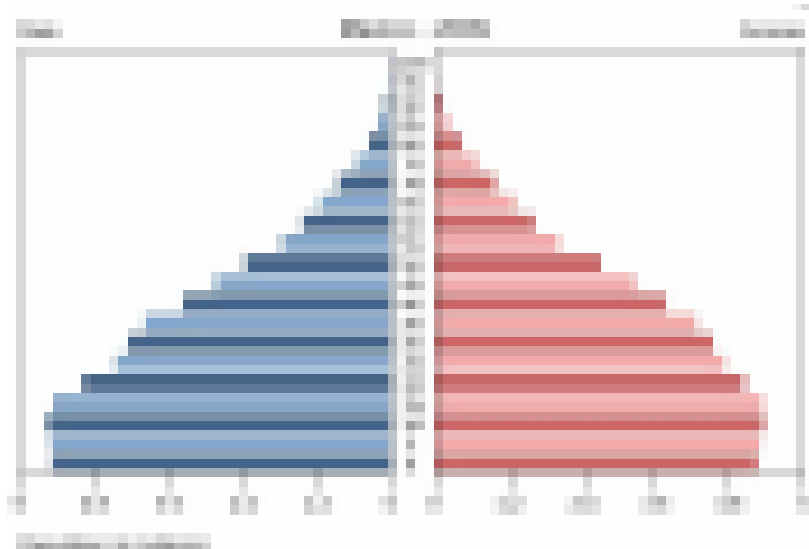
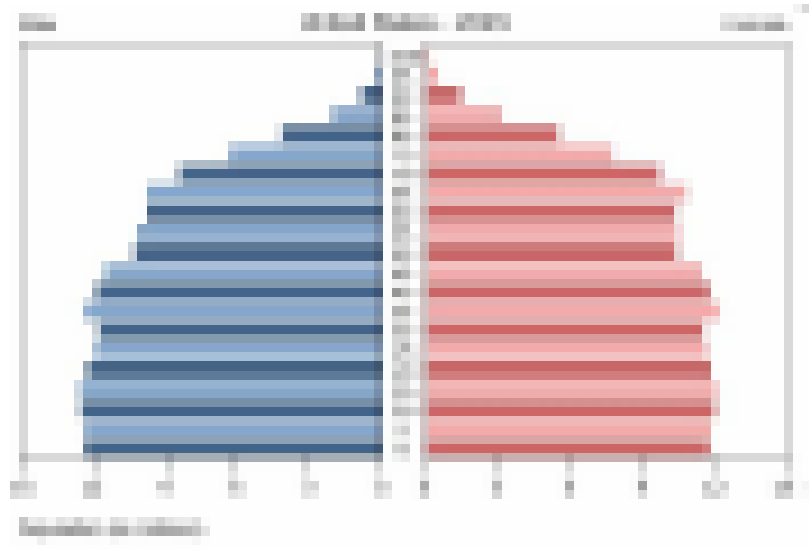
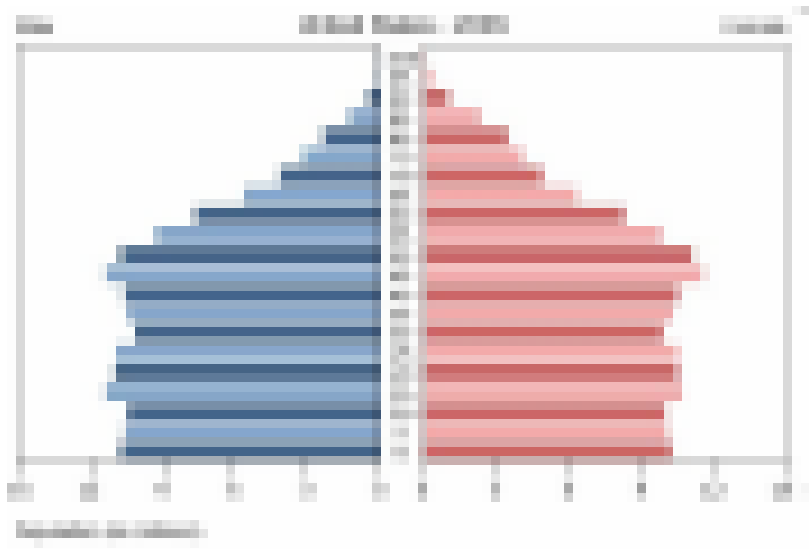
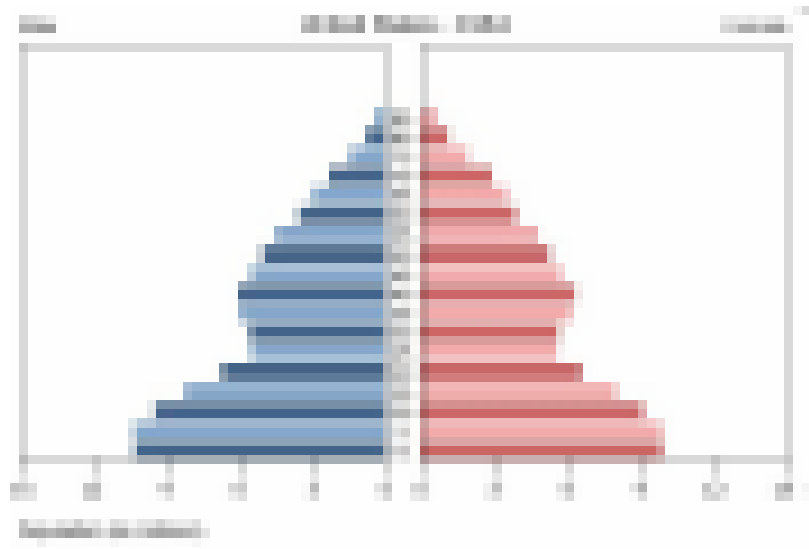
David Plane  
School of Geography & Development  
University of Arizona

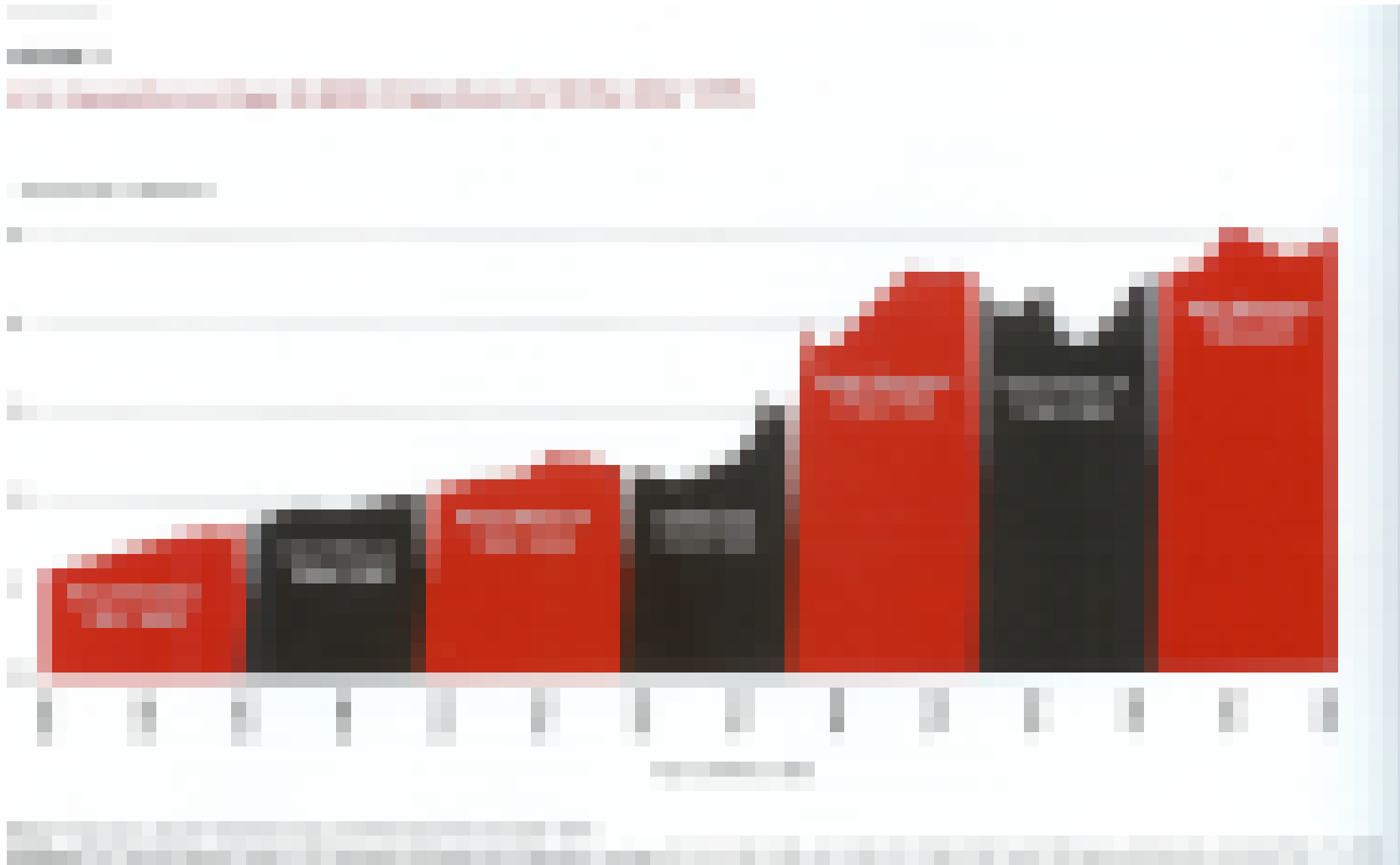
***“Demographic Trends  
in the West”***

# U.S. Total Fertility Rate (TFR) 1940-2009

(Average total number of children born to women)

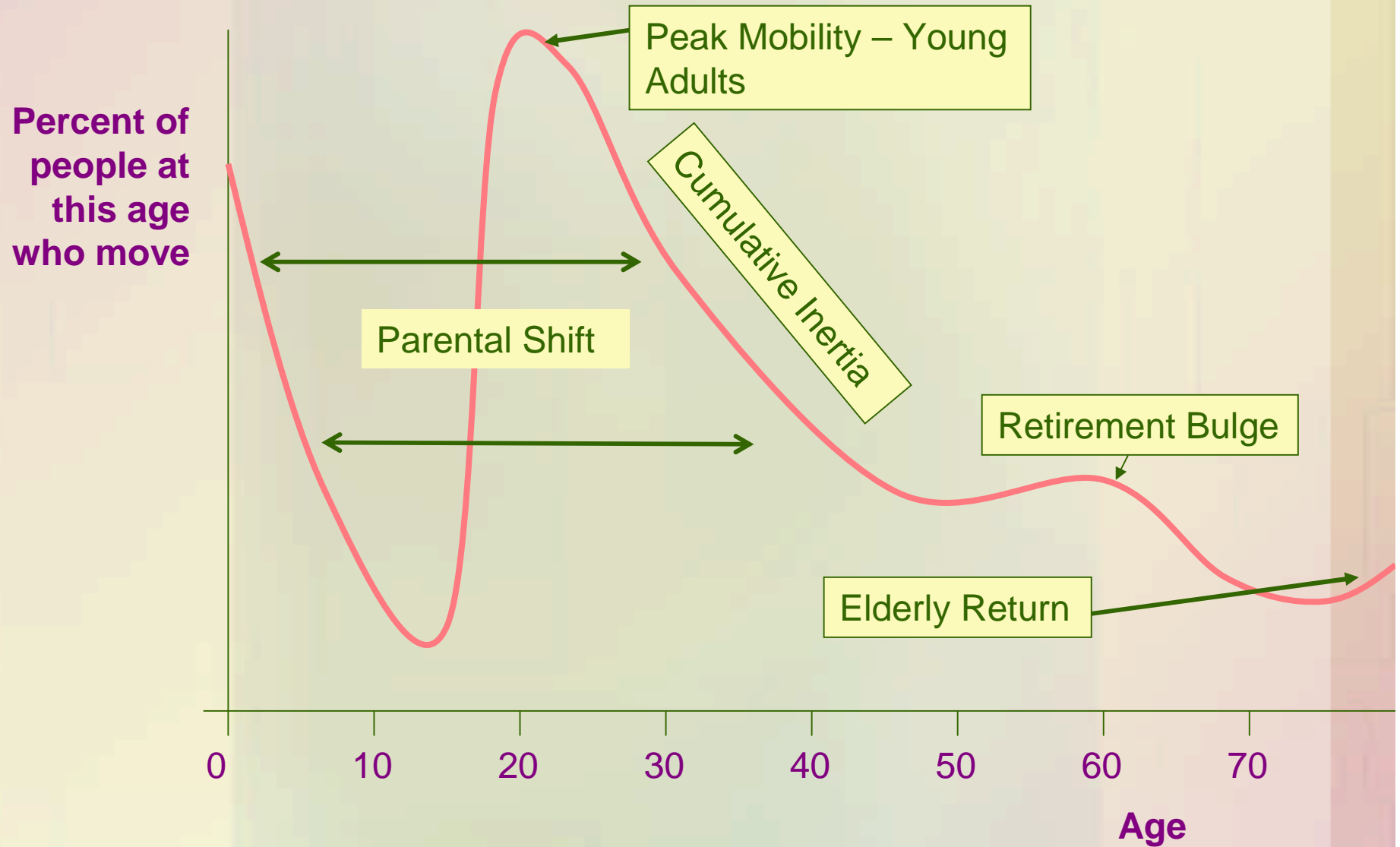




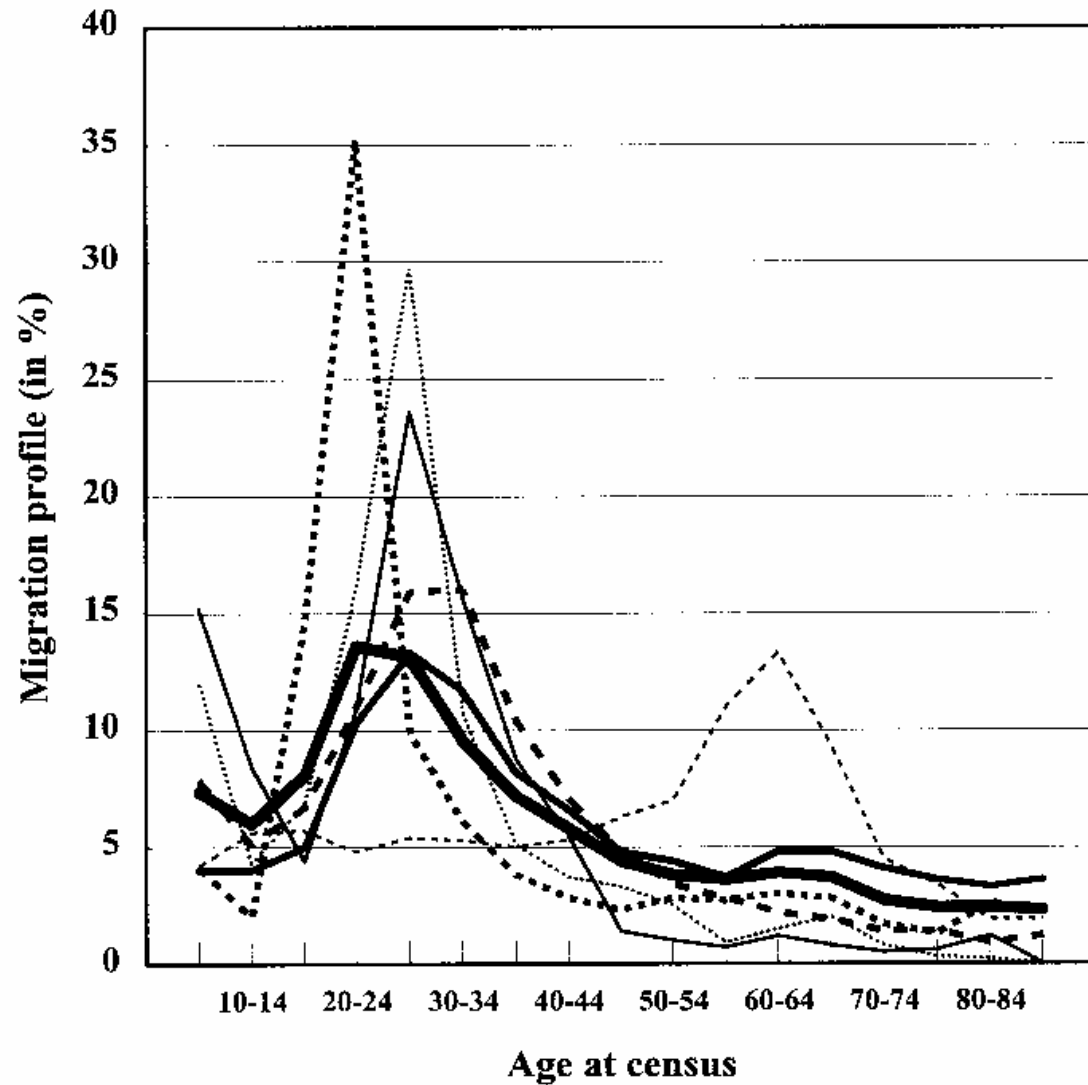


**Source: Carlson, Elwood 2009. 20<sup>th</sup> Century U.S. Generations, *Population Bulletin*, 64 (1). March.**

# The "Mobility Schedule"

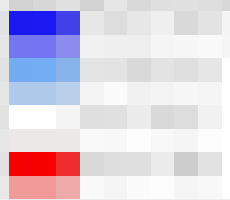
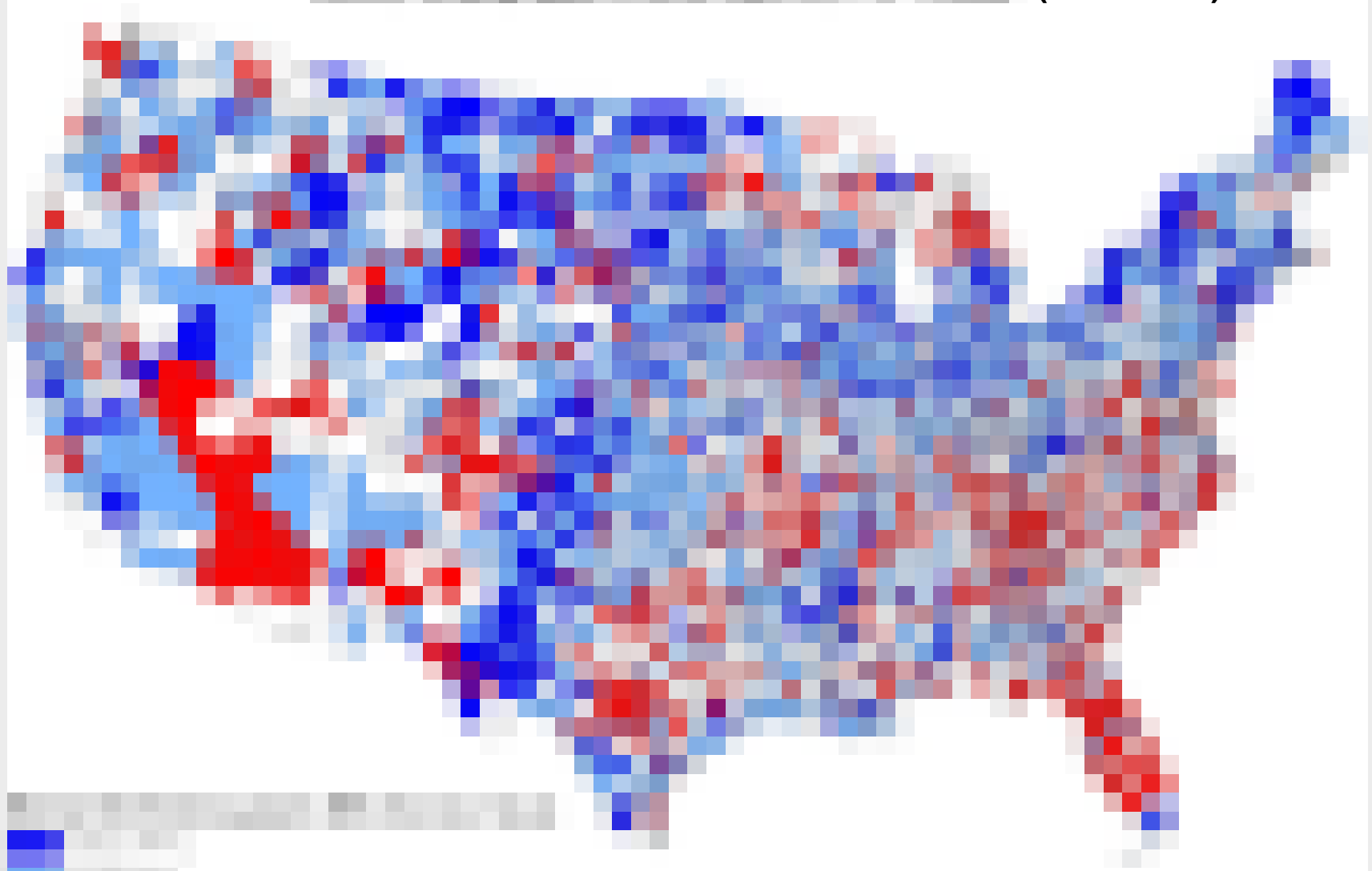


# Origin-Destination Age Schedules of Migration between Selected BEA Economic Areas



- ▣ 160 Los Angeles-Riverside-Orange ⇒ 10 New York-Northern New Jersey-Long Island
- ▬ 10 New York-Northern New Jersey-Long Island ⇒ 160 Los Angeles-Riverside-Orange
- 21 Greenville, NC ⇒ 160 Los Angeles-Riverside-Orange
- 10 New York-Northern New Jersey-Long Island ⇒ 33 Sarasota-Bradenton, FL
- ⋯ 10 New York-Northern New Jersey-Long Island ⇒ 9 State College, PA
- ⋯ 21 Greenville, NC ⇒ 10 New York-Northern New Jersey-Long Island
- ▬ US

(2000-2004)





Source:  
Henrie & Plane,  
*Professional  
Geographer*  
(2006)

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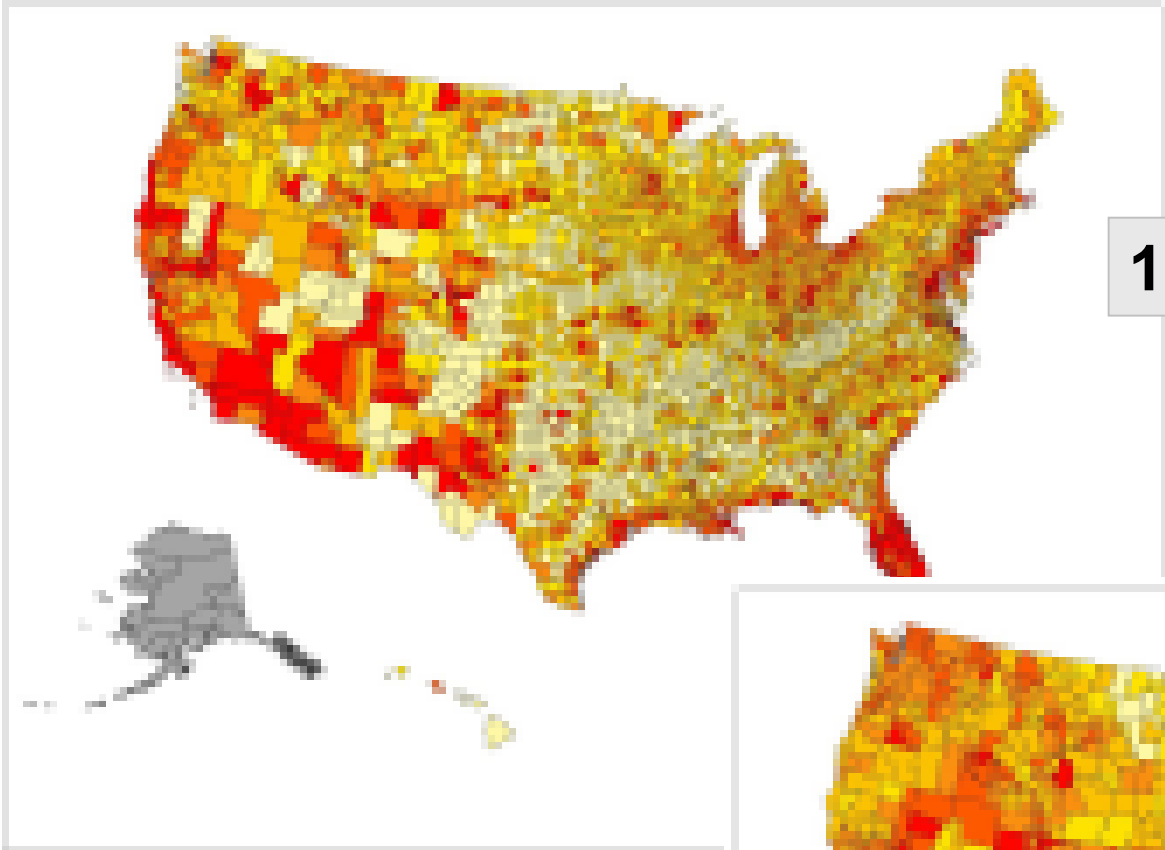
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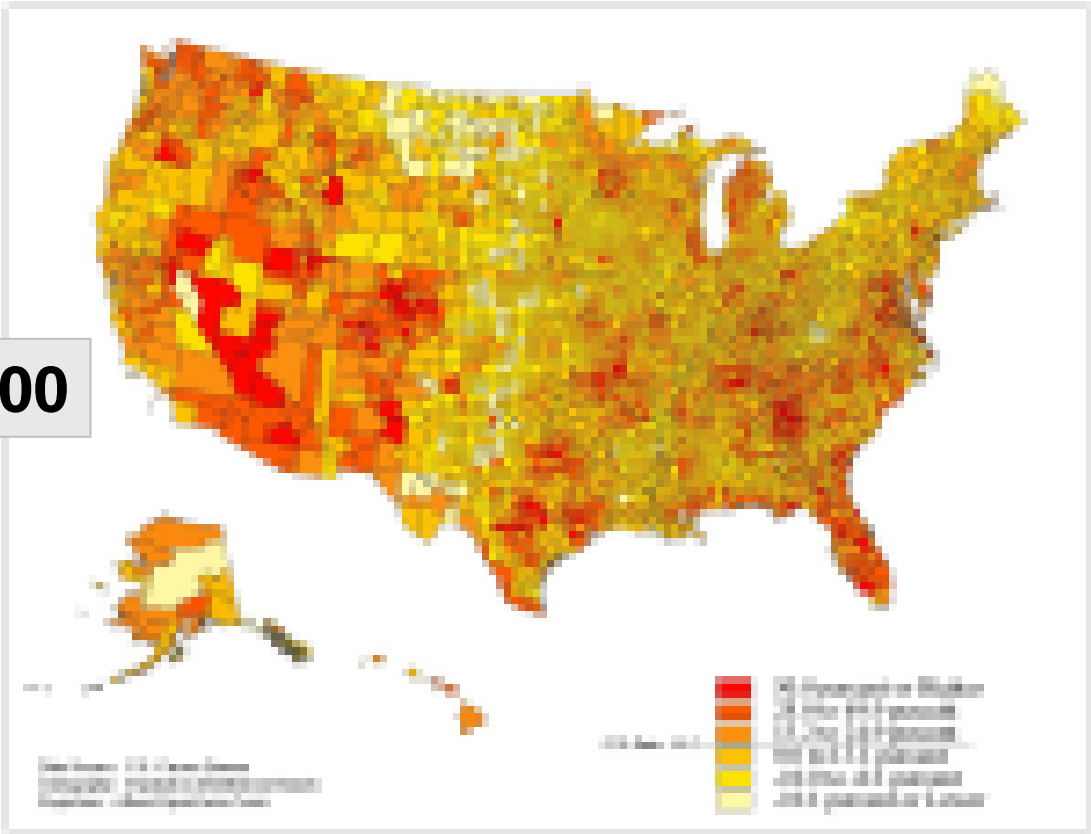
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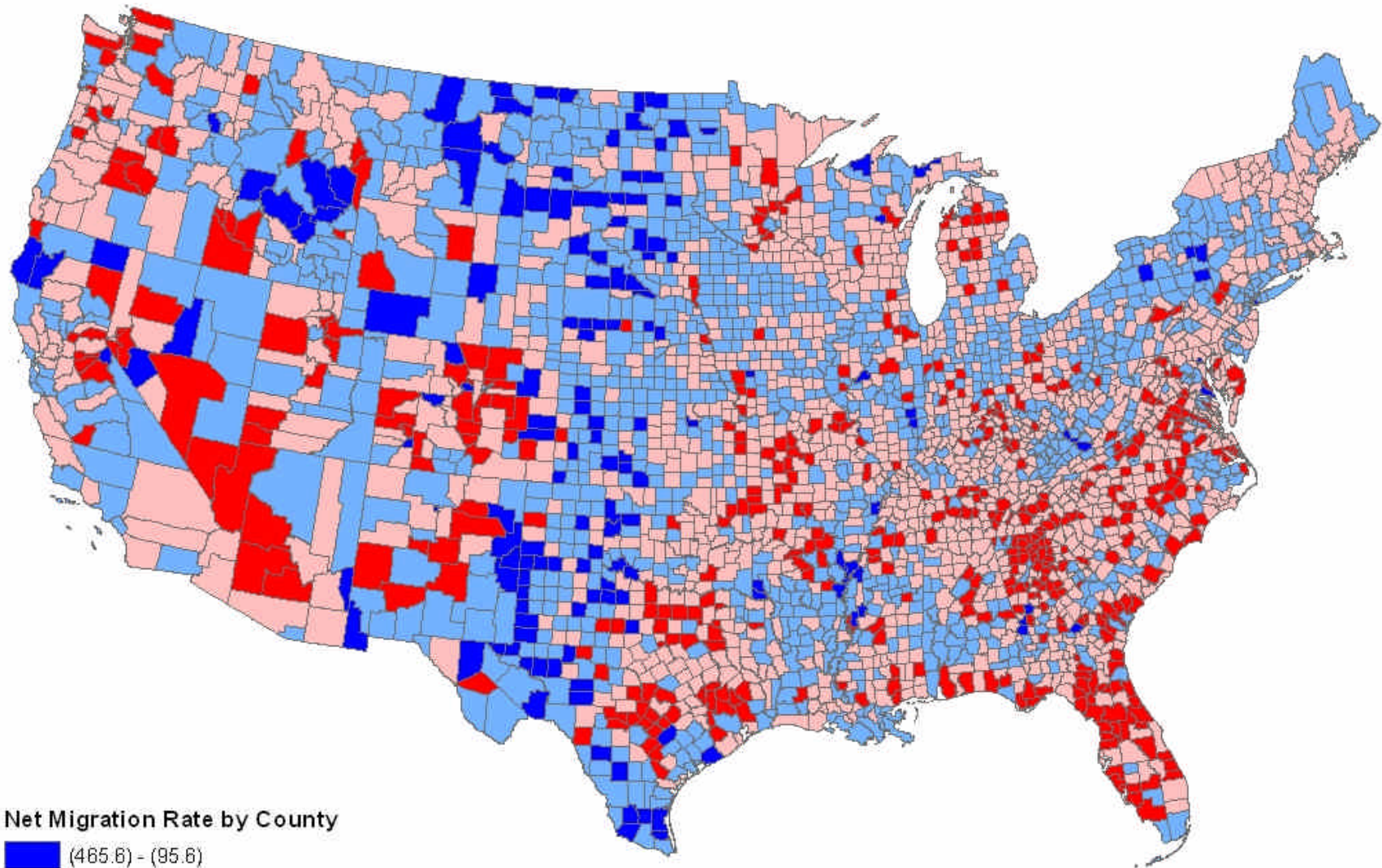
**1950 - 1960**

**1990 - 2000**

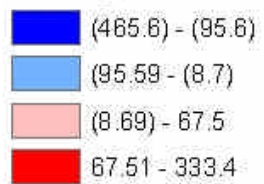


***Intercensal  
Population Growth  
Rates by County***

## 2000-2004 Net Migration Rate by U.S. County

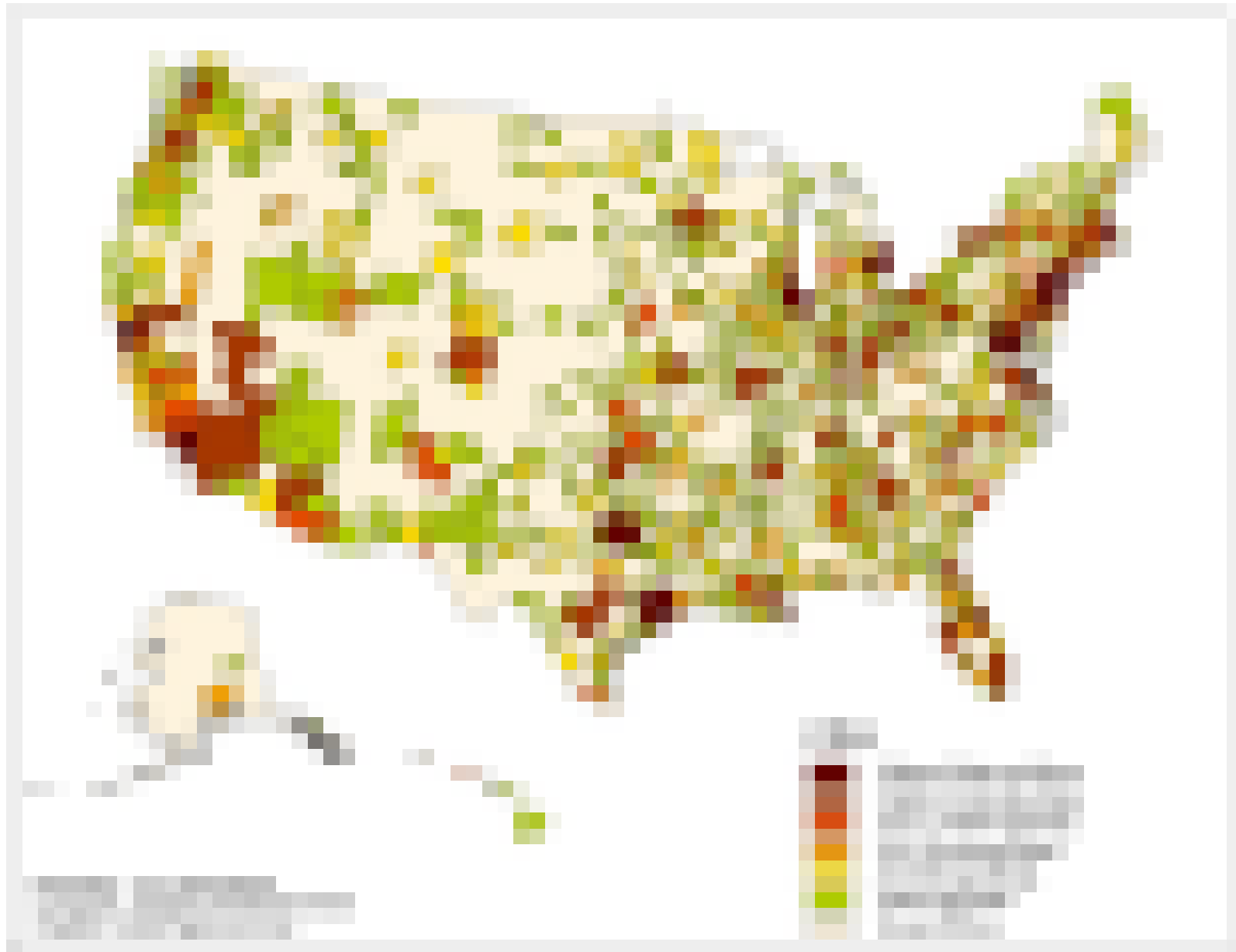


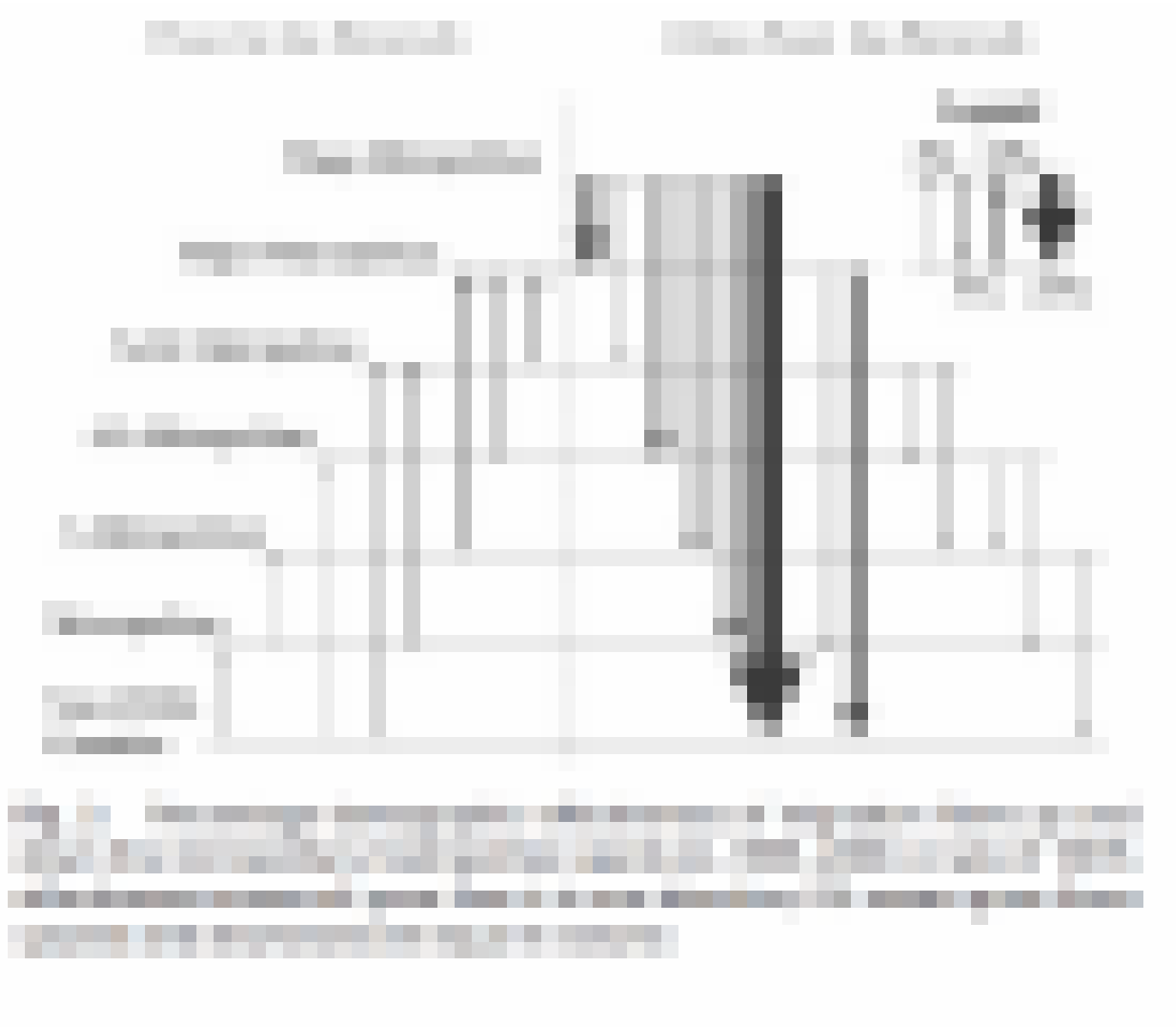
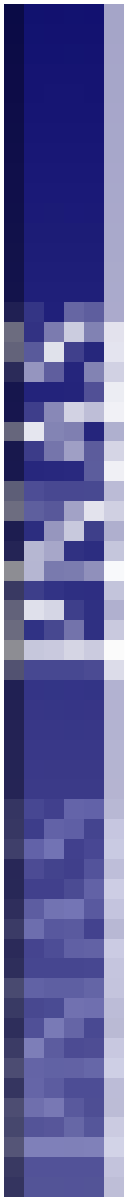
### Net Migration Rate by County



Source: U.S. Census

# Plane-Henrie 7-level Metropolitan (CBSA) Hierarchy

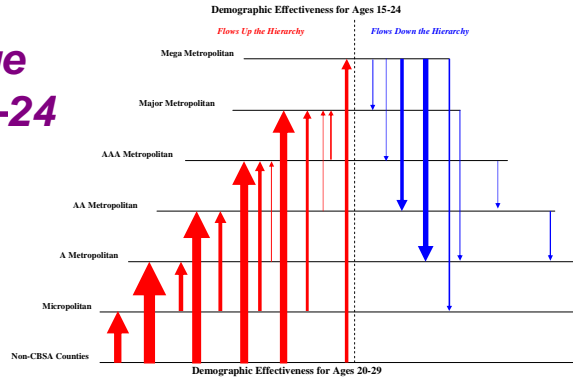




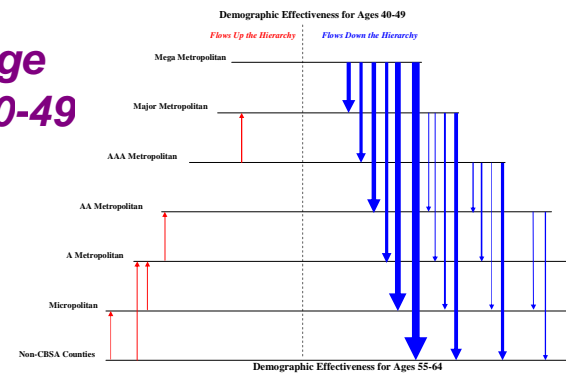
# Internal Migration Down the Urban Hierarchy...

## Demographic Effectiveness

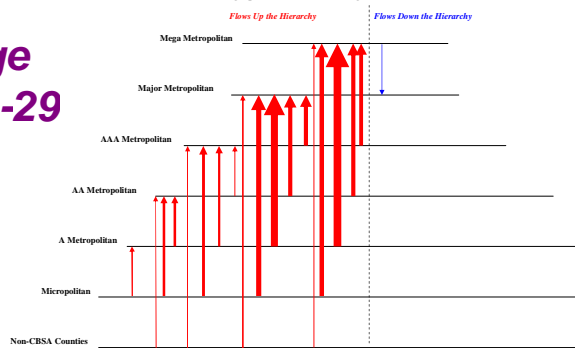
Age  
15-24



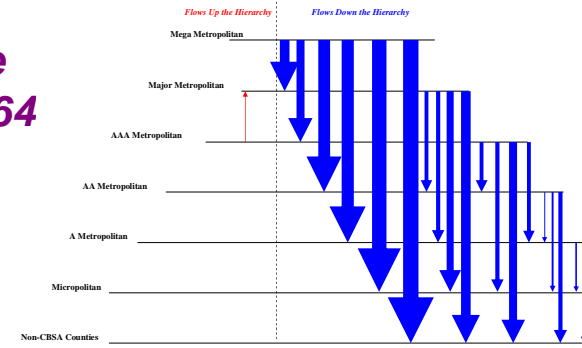
Age  
40-49



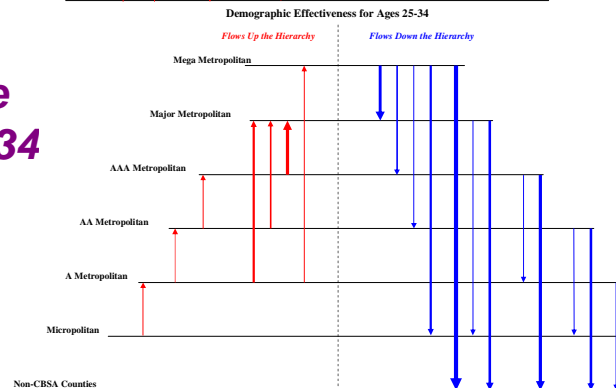
Age  
20-29



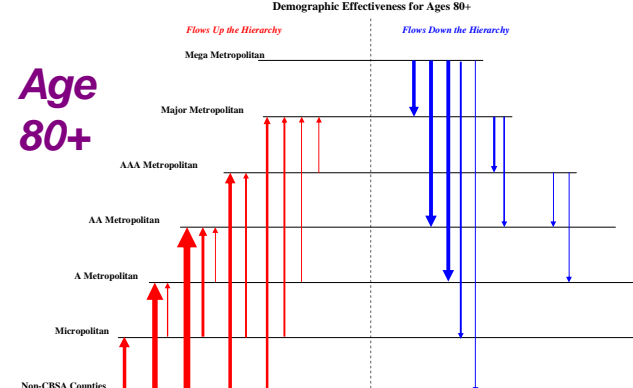
Age  
55-64



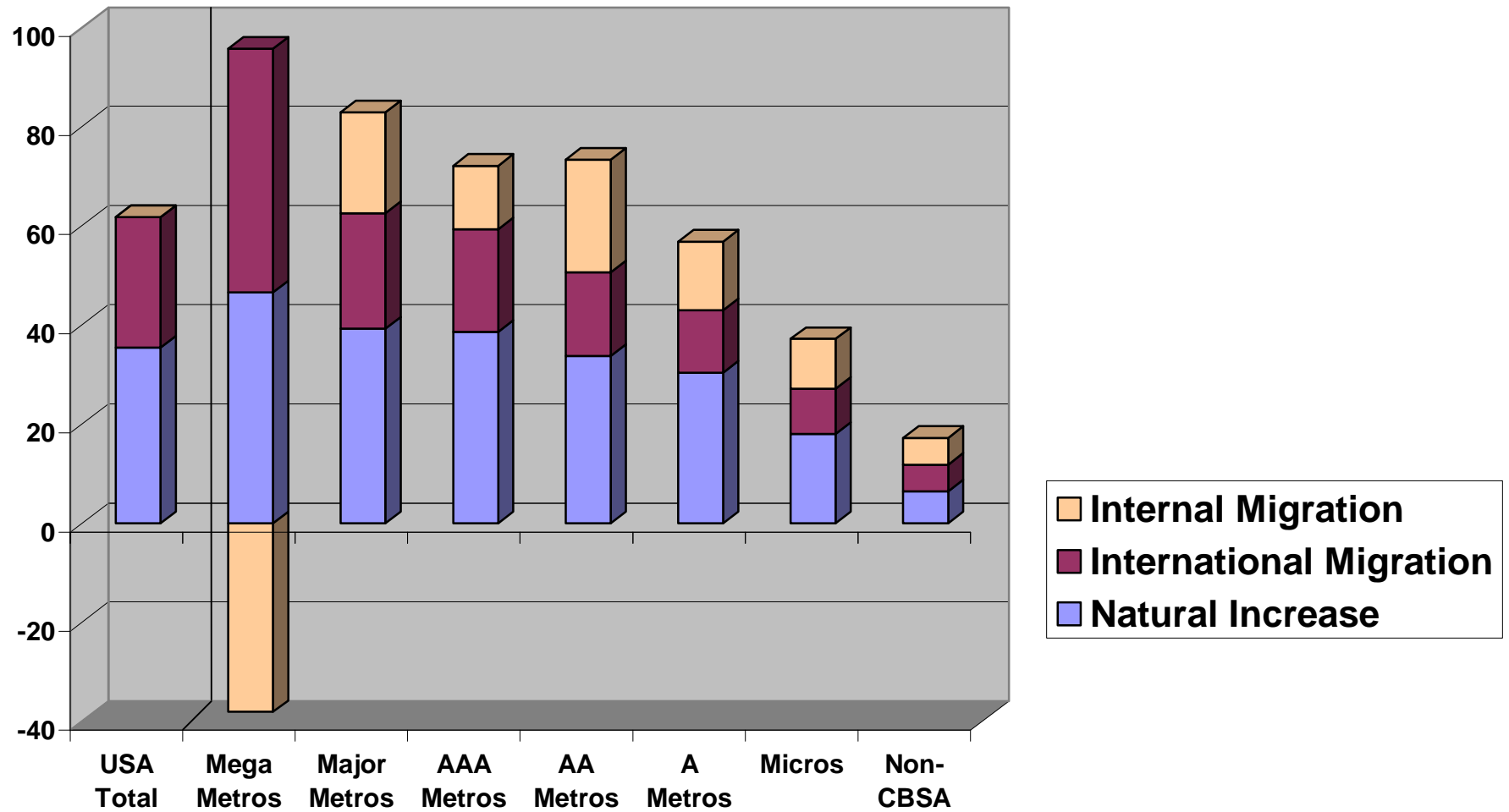
Age  
25-34



Age  
80+



**Source:  
Plane &  
Jurjevich  
Professional  
Geographer  
2009**



**Figure 1. Components of U.S. Population Growth, 2000-2006, by CBSA Hierarchy Level (Rates per 1,000)**