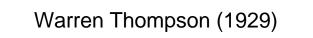
# The Demographic Transition and The Baby Boom

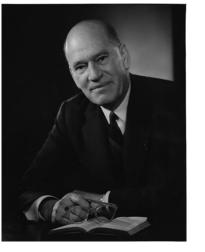
- Origins of the concept of demographic transition
- Four stages of the Demographic Transition
- Historical data
- The exceptions: France and the U.S.
- European Fertility Project
- Baby Boom
- Easterlin relative cohort size thesis

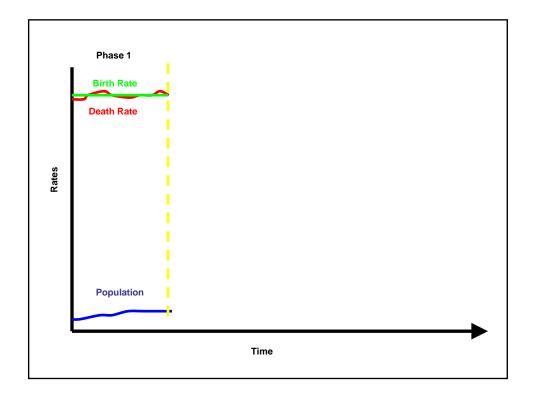


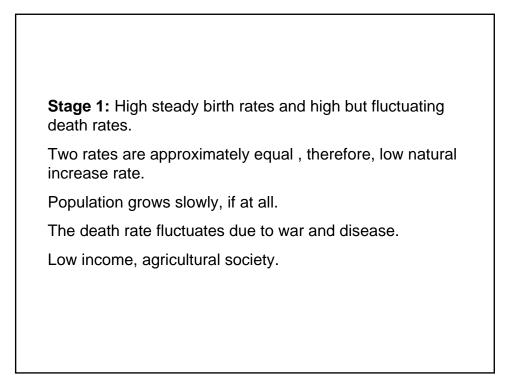
- Classified countries into three groups:
  - High birth rates and high but declining death rates
  - Declining birth rates and death rates, with death rates declining faster
  - Rapidly birth rates and death rates, with birth rates declining faster
- Assumed that these represented historical stages
- He had no data on a pre-transition population, and no post-transition population existed yet

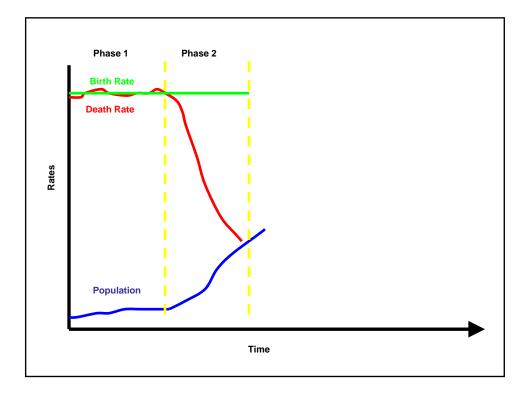
# Notestein (1945)

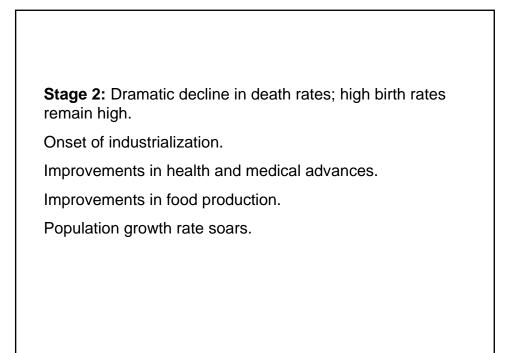
- Model of population change based upon effects of economic development.
- Based on the experience of the Western world, it was used for decades as a model to predict what should/would happen to developing countries eventually.
- All countries pass through four stages to a state of maturity.

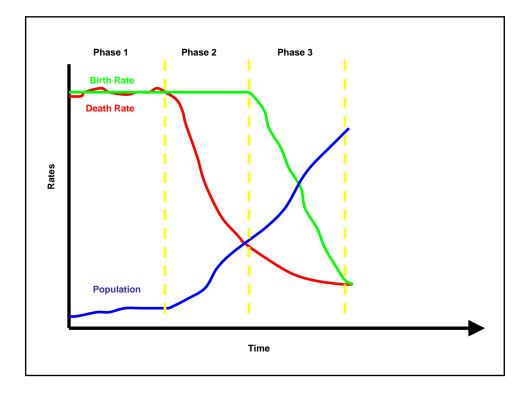


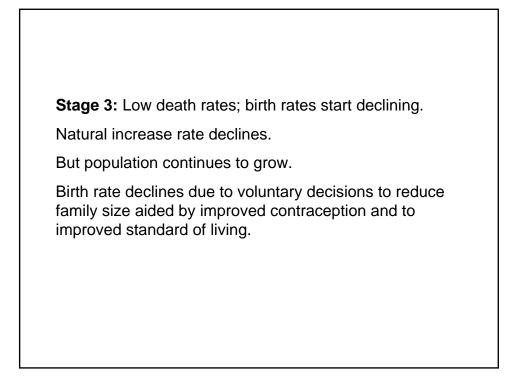


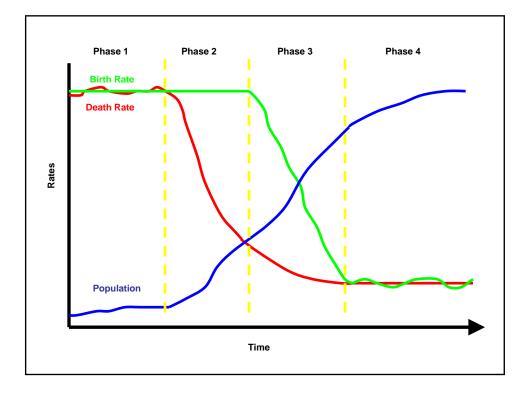




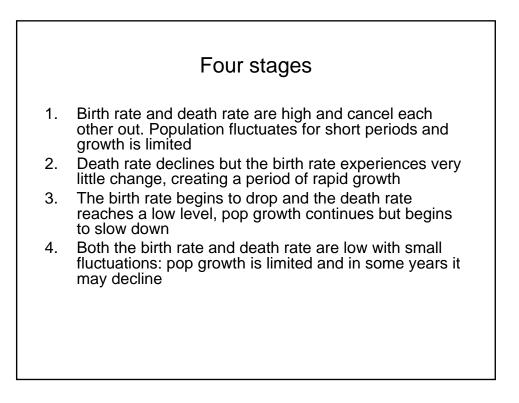


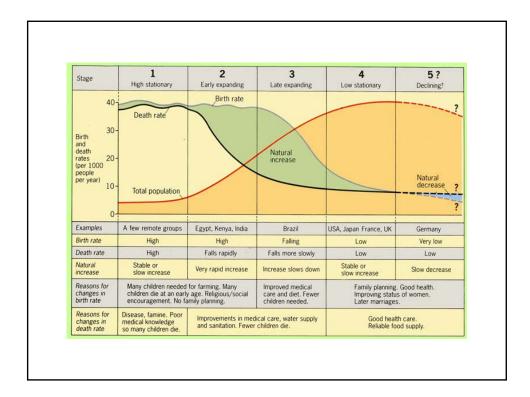


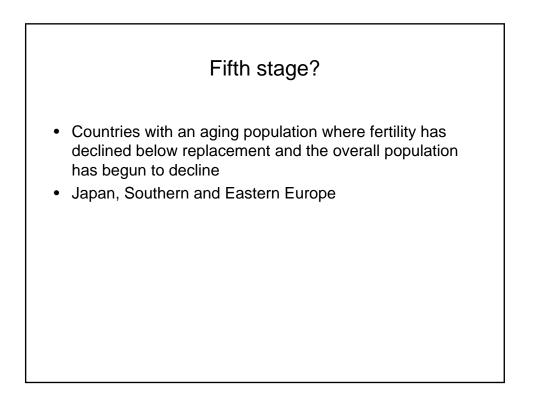




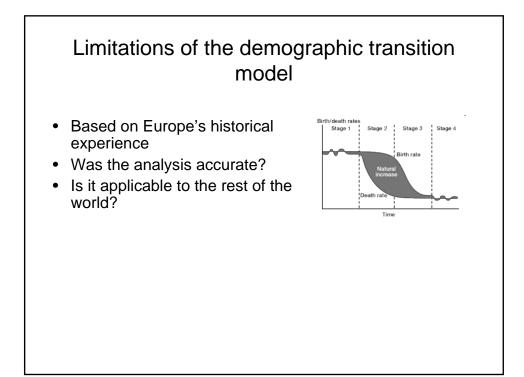
Stage 4: Low steady death and birth rates.Low natural increase rate, similar to Stage 1.Population growth rate falls.Population is large but not growing.

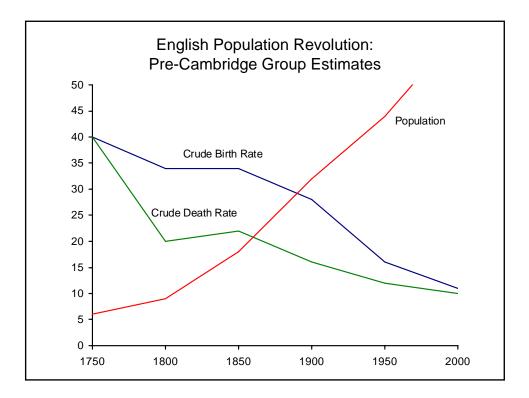


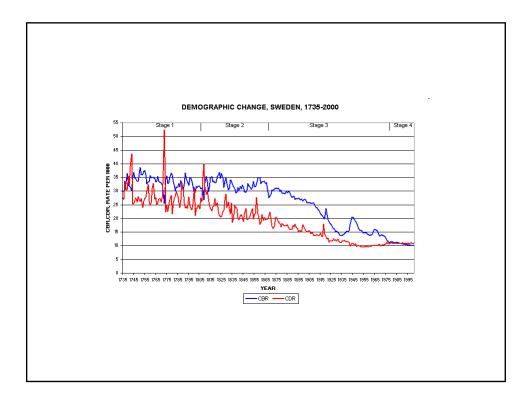


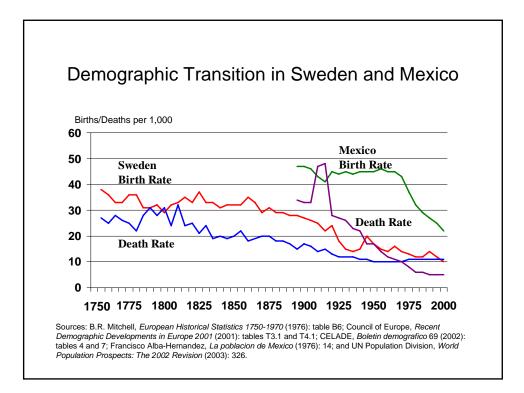


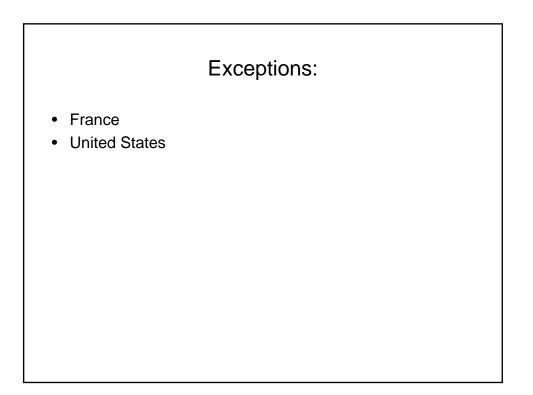
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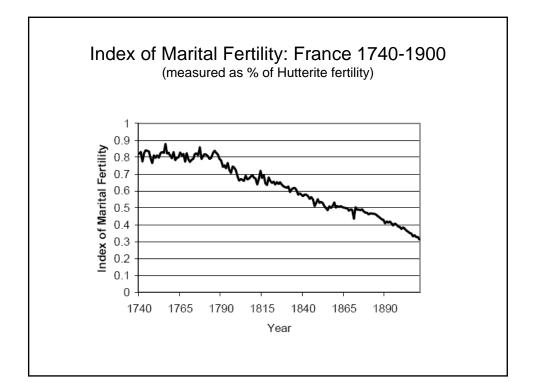


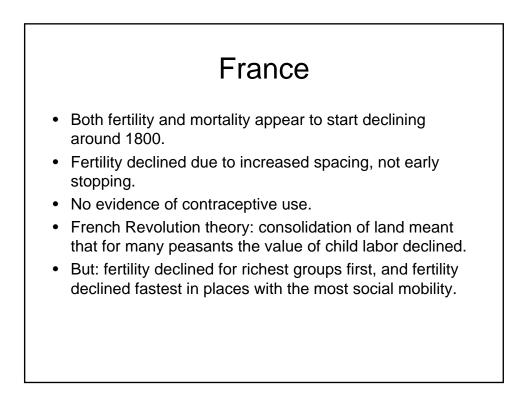


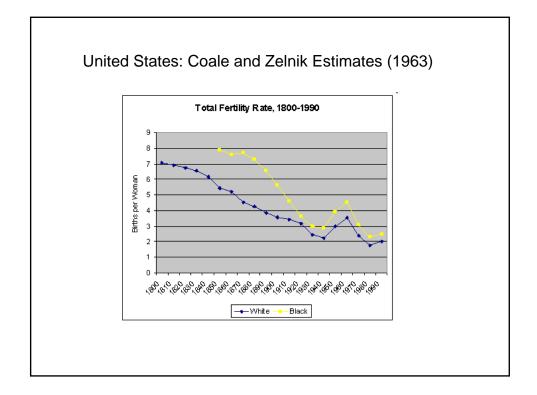










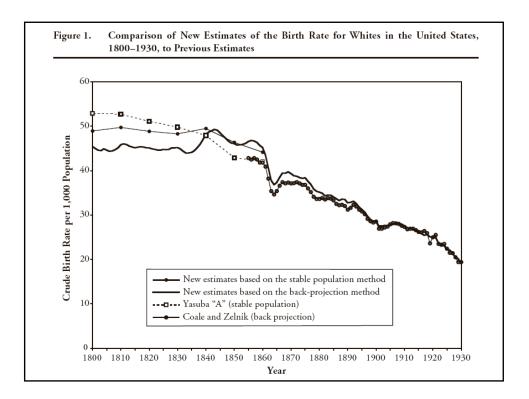


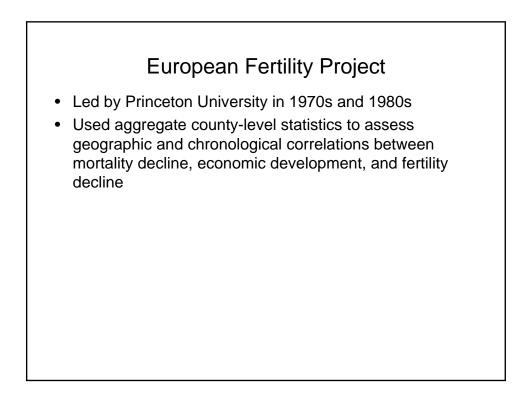
# RETHINKING THE "EARLY" DECLINE OF MARITAL FERTILITY IN THE UNITED STATES\*

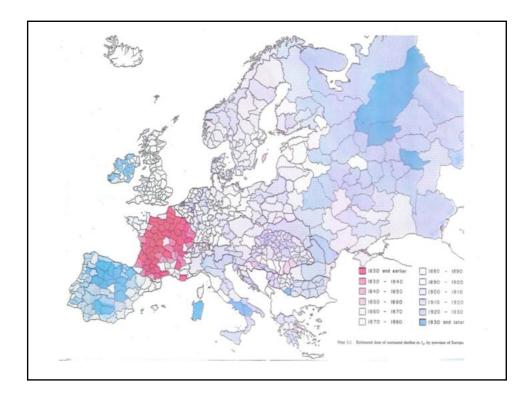
### J. DAVID HACKER

In this article, I rely on new estimates of nineteenth-century mortality and the Integrated Public Use Microdata Series to construct new estimates of white fertility in the nineteenth-century United States. Unlike previous estimates that showed a long-term decline in overall fertility beginning at or before the turn of the nineteenth century, the new estimates suggest that U.S. fertility did not begin its secular decline until circa 1840. Moreover, new estimates of white marital fertility, based on "own-children" methods, suggest that the decline in marital fertility did not begin in the nation as a whole until after the Civil War (1861–1865).

A sustained decline in marital fertility is believed to have begun in France and the United States in the late eighteenth century, at least three-quarters of a century before marital fertility began to decline in other nations (Binion 2001). Unfortunately, empirical data on the "early" decline of marital fertility in the United States are weak. Most estimates of fertility before 1880 have been based on the age structure of the population reported in federal censuses, and thus are sensitive to changes in mortality, immigration, and census underenumeration. The lack of information on marital patterns also hinders interpretation. Upon the weak foundation of child–woman ratios and indirect estimates of crude birth rates, however, demographic historians have built increasingly sophisticated

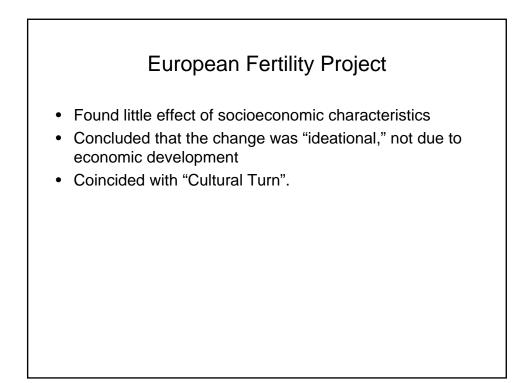


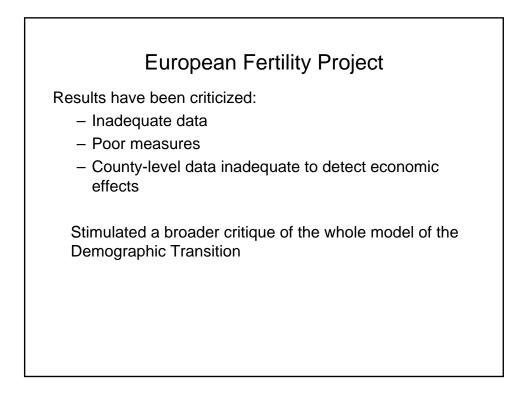


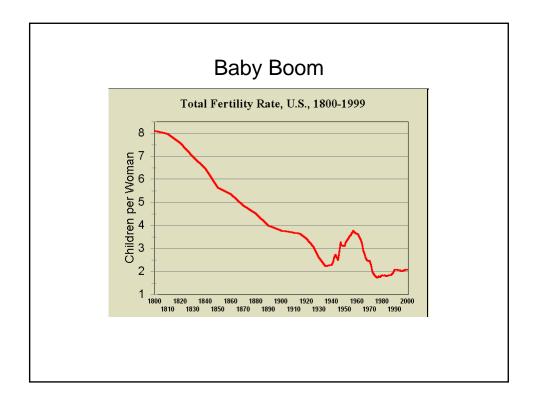


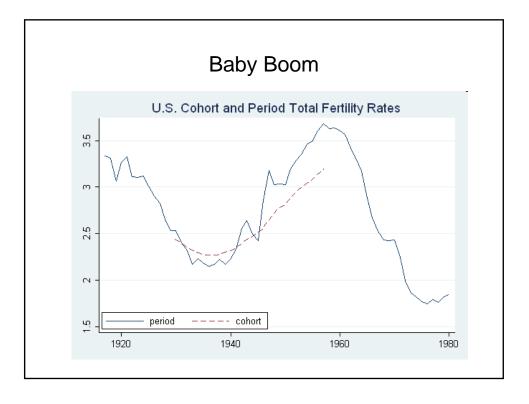
# KEY RESULTS OF THE EUROPEAN FERTILITY PROJECT

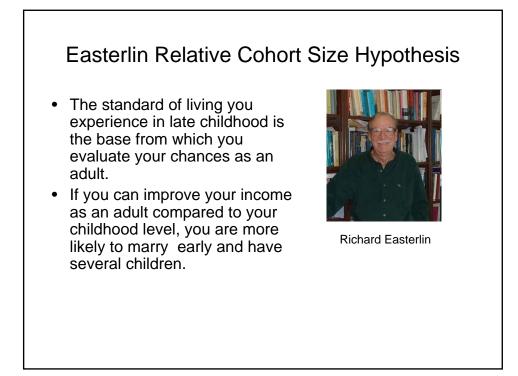
- 1. Prior to the demographic transition there was little individual initiative to regulate family size.
- 2. The death rate declined all across Europe at about the same time, but the timing of subsequent birth rate decline varied markedly across the continent.
- 3. The decline in the birth rate exhibited a threshold behavior: once birth rate had declined by about 10%, thereafter it always declined very rapidly.
- 4. The timing of the birth rate decline (e.g., the year in which it reached this threshold) was spatially clustered.

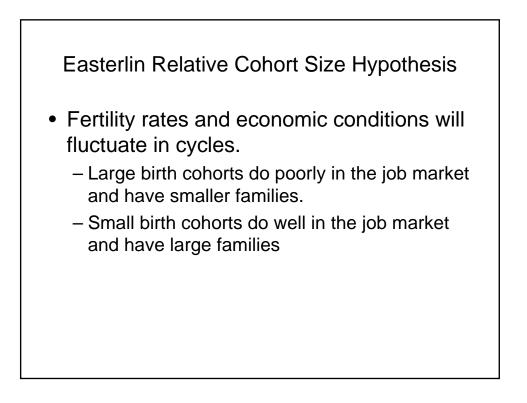












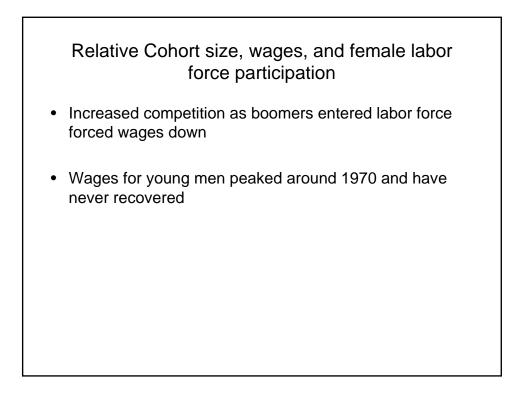
## **Relative Cohort Size and the Demographic Transition**

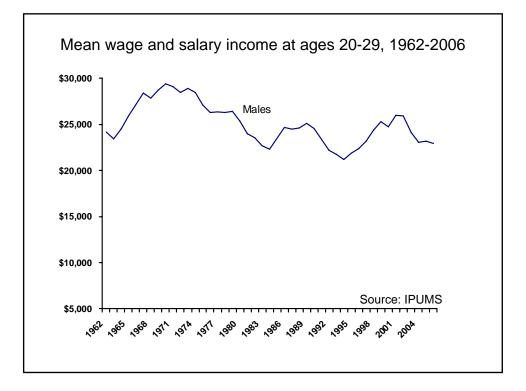
"The increase in relative cohort size (defined as the proportion of the population aged 15 to 24 relative to that aged 25 to 59) which occurs as a result of declining mortality rates among children and young adults during the demographic transition, appears to act as the mechanism of transmission which determines when the fertility portion of the transition begins. As hypothesized by Richard Easterlin, the increasing proportion of young adults would generate a downward pressure on young men's relative wages, which in turn causes young adults to accept a trade-off between family size and material well-being, setting in motion a "cascade" or "snowball" effect in which total fertility rates tumble as social norms regarding acceptable family sizes begin to change. (Macunovich 2000)

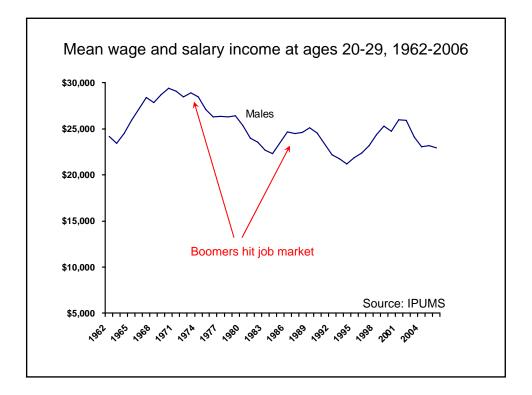


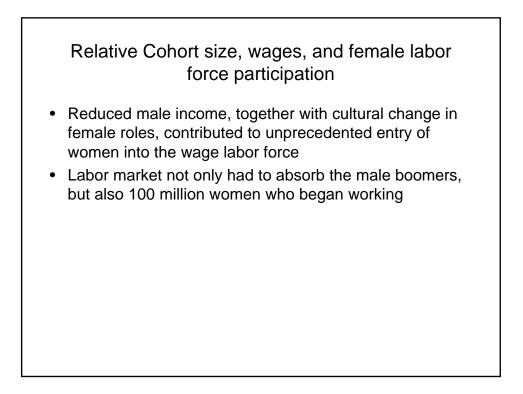
Thus relative cohort size can be thought of as the mechanism which prevents excessive rates of population change--reducing ferility when previous high rates, in combination with low mortality rates, have caused relative cohort size to increase, and increasing fertility when previous low rates have caused relative cohort

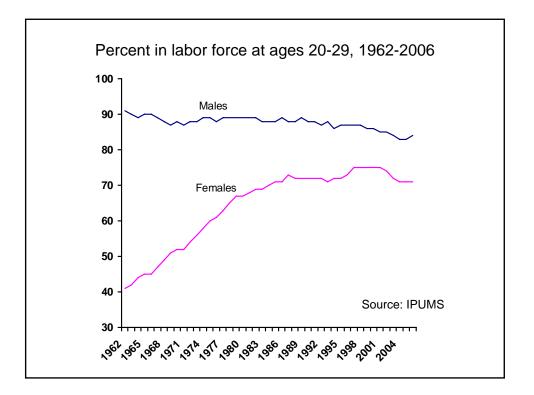
size to decline. (Macunovich 2000)

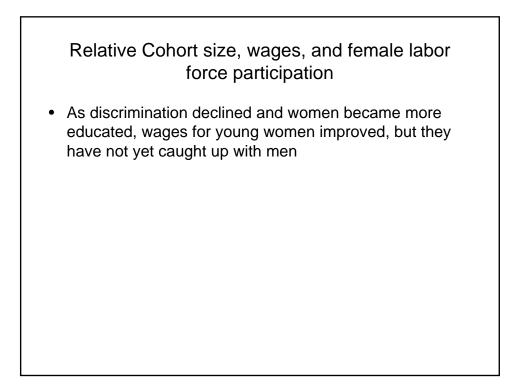


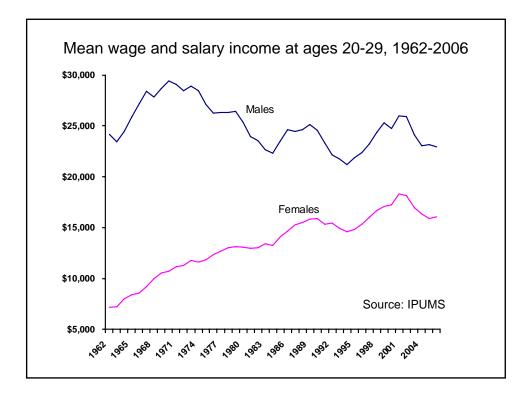


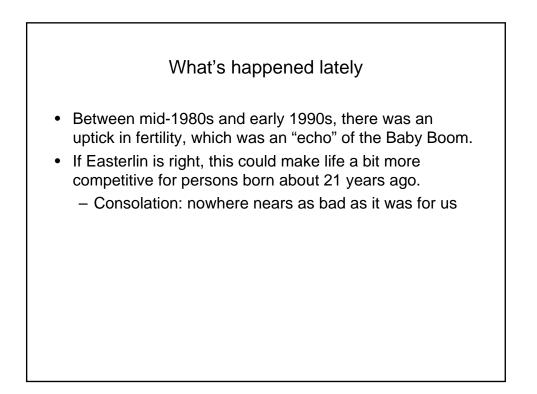


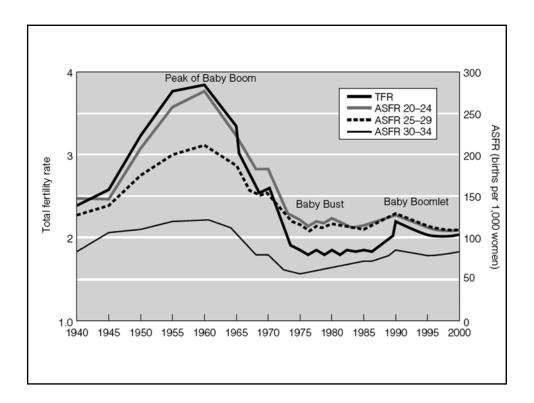


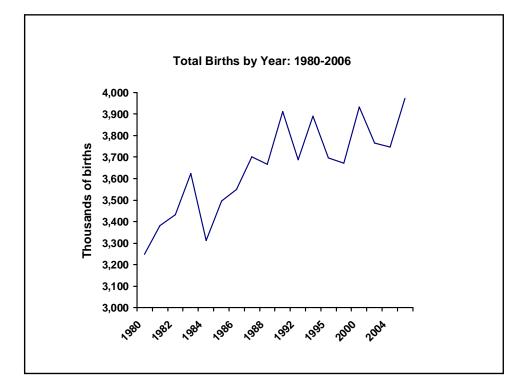












# What we can expect

- Total fertility would already be declining below replacement were it not for immigration.
- Prospect: fertility is likely to decline, which may make it possible for wages to finally begin to rise.