

Osher Lifelong Learning Institute, Fall 2022 **Contemporary Economic Policy**

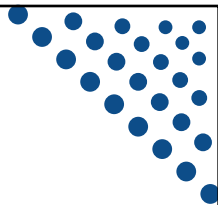
Duke University
October 10, 2022

National Economic Education Delegation



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1



Available **NEED** Topics Include:

- US Economy
- Healthcare Economics
- Climate Change
- Economic Inequality
- Economic Mobility
- Trade and Globalization
- Minimum Wages
- Immigration Economics
- Housing Policy
- Federal Budgets
- Federal Debt
- Black-White Wealth Gap
- Autonomous Vehicles
- US Social Policy



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2

Course Outline

- **Contemporary Economic Policy**

- Week 1 (9/19): US Economy (Geoffrey Woglom, Amherst College)
- Week 2 (10/3): Trade and Globalization (Alan Deardorff, Univ. of Michigan)
- **Week 3 (10/10): Economics of Immigration (Roger White, Embry-Riddle Aeronautical University)**
- Week 4 (10/17): Cryptocurrencies (Geoffrey Woglom, Amherst College)
- Week 5 (10/24): Trade Deficit and Exchange Rates (Alan Deardorff)
- Week 6 (10/31): Autonomous Vehicles (Jon Haveman, NEED)




3

Submitting Questions

- **Please submit questions of clarification in the chat.**
 - I will try to handle them as they come up.
- **We will do a verbal Q&A once the material has been presented.**
- **OLLI allowing, we can stay beyond the end of class to have further discussion.**
- **Slides will be available from the NEED website tomorrow (https://needelegation.org/delivered_presentations.php)**





4



The Economics of Immigration

Roger White, Ph.D.
Embry-Riddle Aeronautical University



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5


5

Outline

- What is immigration?
- Why do people migrate?
- History of immigration to the US

...Break (~10 minutes)...

- Economics of immigration

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6

6

What Is Immigration?

- **Immigration**
 - The action of coming to live in another country.

- **Emigration**
 - The act of leaving one's own country and going to live in another country.



7

Why Do People Migrate?

- **Push factors:**
 - Economic dislocation, violence, population pressures, religious persecution, or denial of political rights.

- **Pull factors:**
 - Potential for higher wages, job opportunities, and political or religious liberty.

- **Uneven development (internal to source):**
 - Disparities in income, standards of living, and the availability of jobs within and across societies.



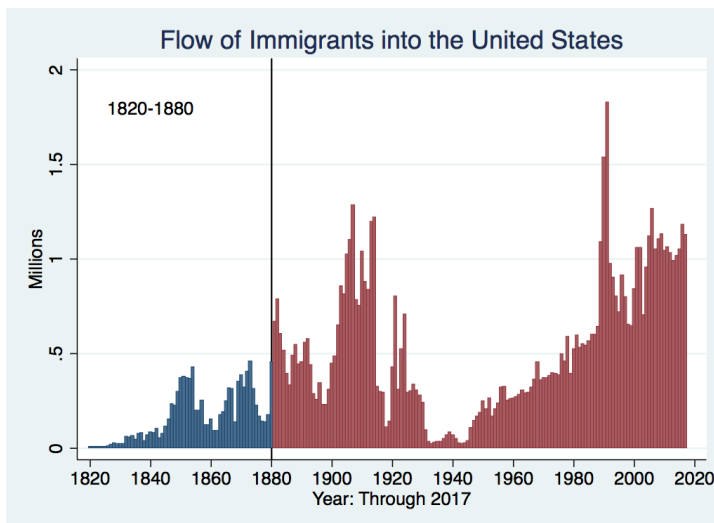
8

History of US Immigration

Source Countries	Pre-1790	Source Countries	1790-1820
African countries*	300,000	African countries*	85,000
England	300,000	Scotland-Ireland	50,000
Scotland-Ireland	100,000	England	45,000
Germany	100,000	France	40,000
Scotland	75,000	Germany	25,000

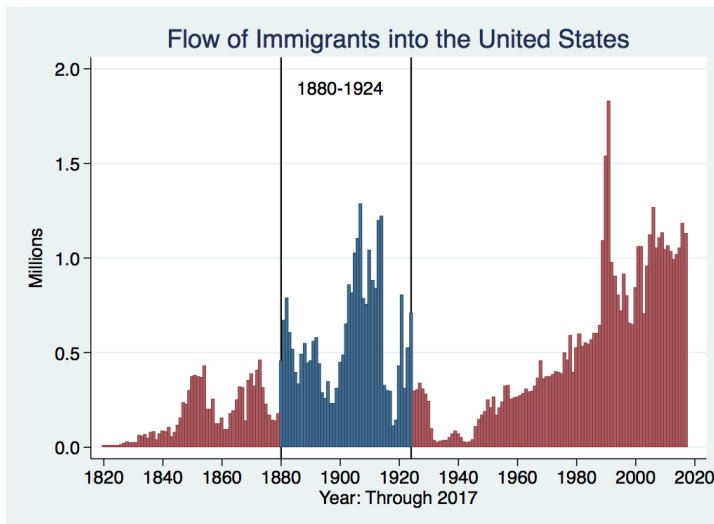
* Slave trade and clearly not voluntary or reflective of standard motivations for immigration.

History of US Immigration



Source Countries	1820-1880
Germany	3,000,000
Ireland	2,800,000
Britain	2,000,000
Austro-Hungarian empire	1,000,000
Canada	750,000
China	230,000
African countries	50,000

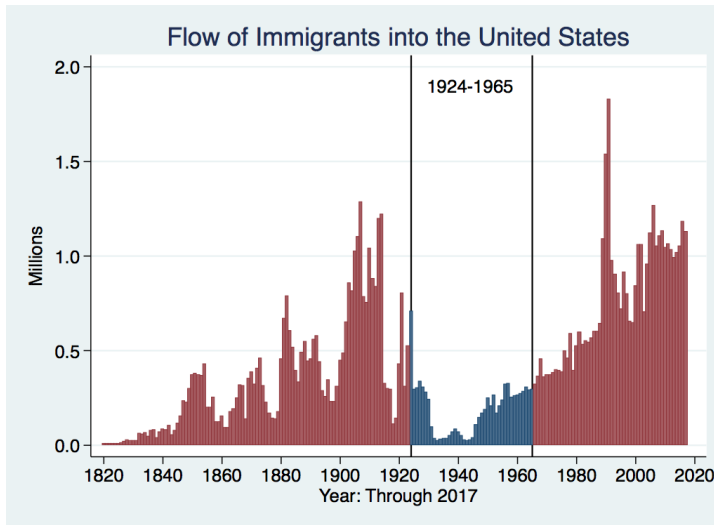
History of US Immigration



Source Countries	1880-1930
Italy	4,600,000
Austro-Hungarian empire	4,000,000
Russian empire	3,300,000
German empire	2,800,000
Britain	2,300,000
Canada	2,300,000
Ireland	1,700,000

11

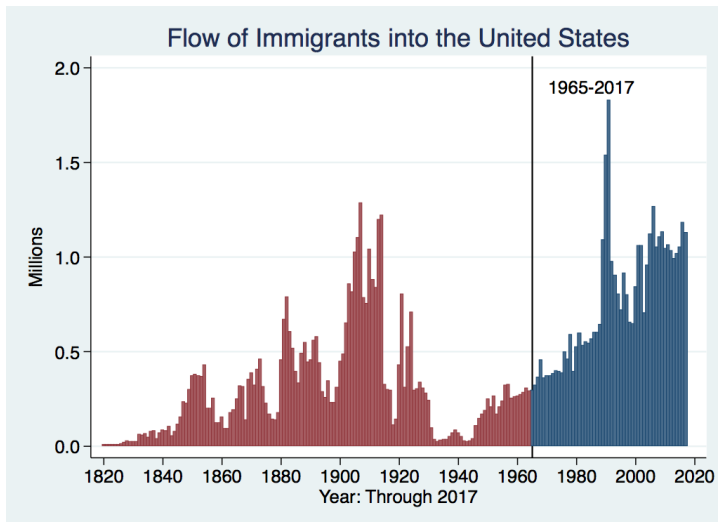
History of US Immigration



Source Countries	1930-1965
Germany	940,000
Canada	900,000
Mexico	610,000
Britain	480,000
Italy	390,000
Caribbean/ West Indies	310,000

12

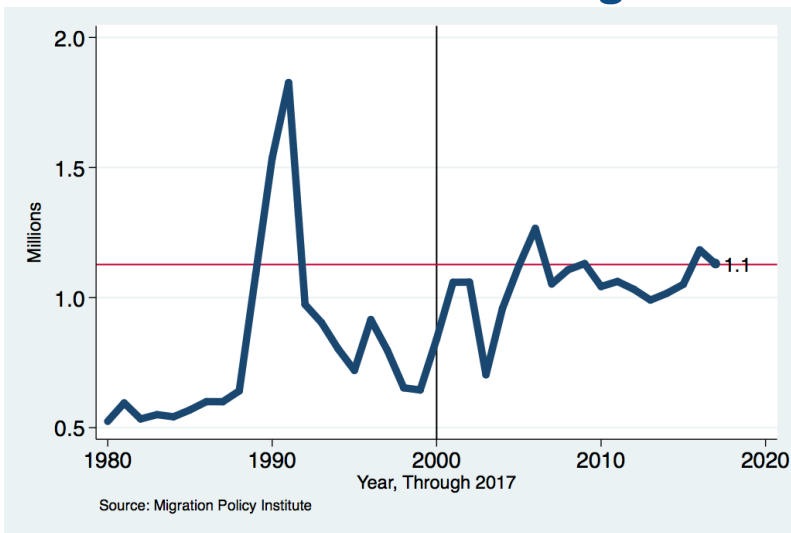
History of US Immigration: 1965-Today



Source Country	1965-2017
Mexico	4,300,000
Philippines	1,400,000
South Korea	760,000
Dominican Republic	750,000
India	740,000
Cuba	700,000
Vietnam	700,000
Canada	650,000

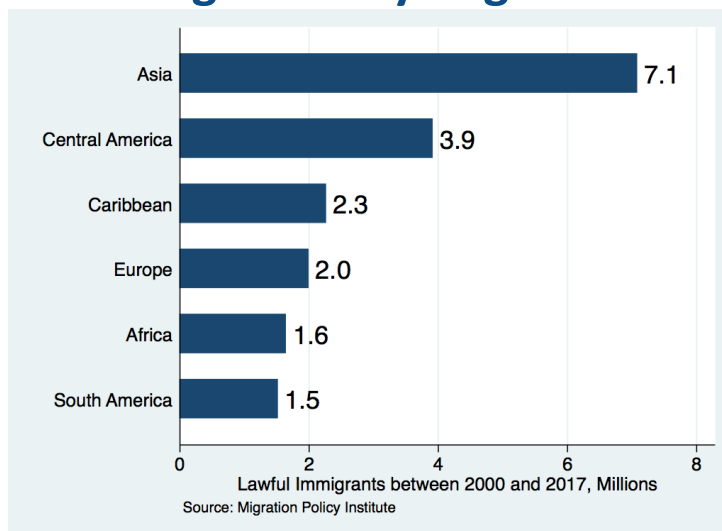
13

Recent Trends in Authorized Immigration



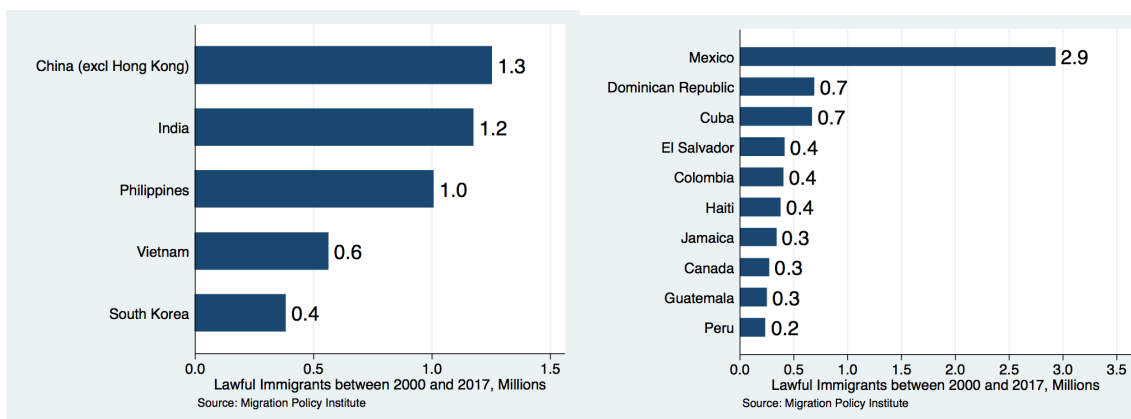
14

Authorized Immigration by Region



15

Authorized Immigration by Source

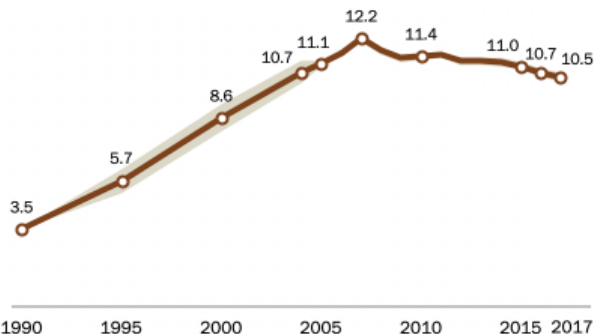


16

U.S. Unauthorized Immigration Totals

U.S. unauthorized immigrant total rises, then falls

In millions



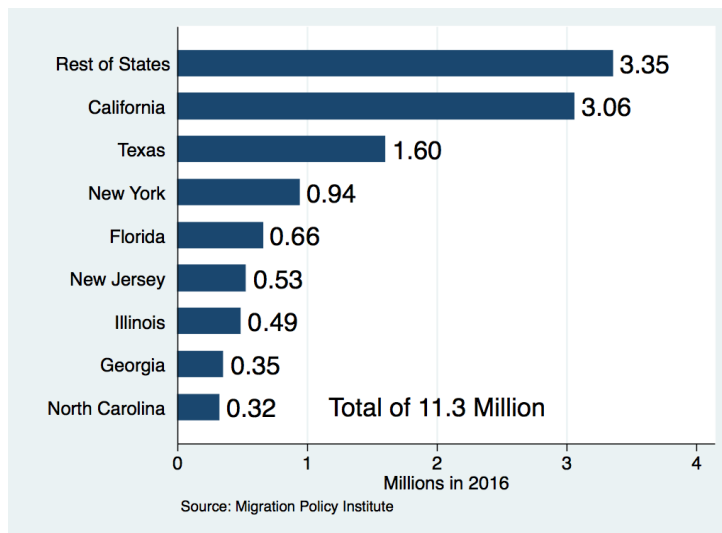
Note: Shading shows range of estimated 90% confidence interval.
 Source: Pew Research Center estimates based on augmented U.S. Census Bureau data.

PEW RESEARCH CENTER



Pew Research Center, 5 facts about illegal immigration in the U.S., June 12, 2019

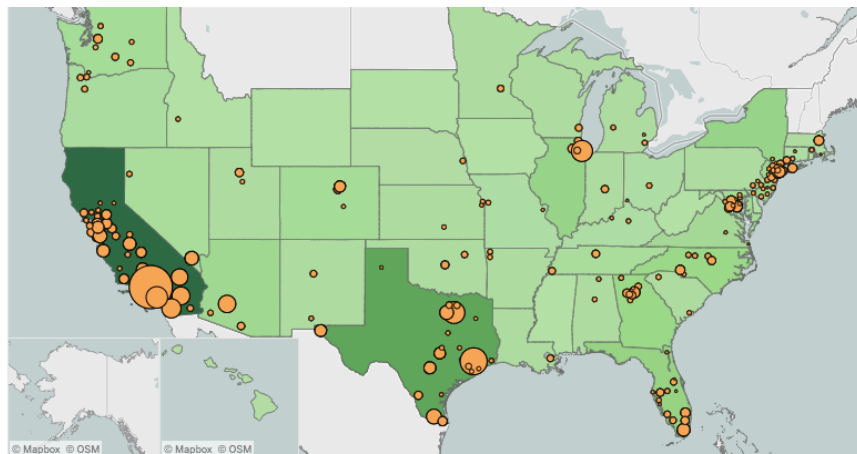
Unauthorized Immigration: Where They Live



Source: Migration Policy Institute



Unauthorized Immigration: 2012-2016



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<https://www.migrationpolicy.org/programs/data-hub/charts/unauthorized-immigrant-populations-country-and-region-top-state-and-county>

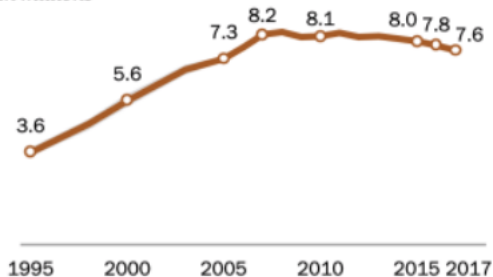
19

19

U.S. Unauthorized Immigration: Labor Force

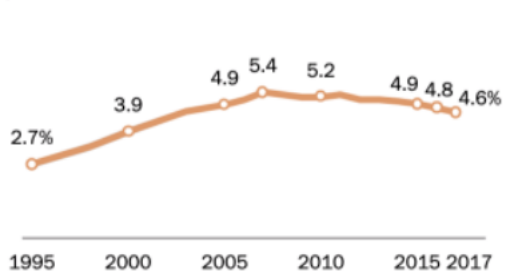
Number of unauthorized immigrants in U.S. workforce ticks down

In millions



Unauthorized immigrants decline as a share of the U.S. labor force

%



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Pew Research Center, 5 facts about illegal immigration in the U.S., June 12, 2019

20

20

Why Do We Care? Economic Implications

- GDP
- Labor markets
- Innovation, Entrepreneurship, and Inequality
- Government revenue and spending
- Exports and FDI
- Crime



21

GDP, Labor Markets, and Innovation, Entrepreneurship, and Inequality



22

Two Sets of Implications

- **Aggregate effects: The size of the pie**
- **Income distribution: The size of slices of the pie**



23

GDP: How Does This Work?

- **What determines the size of an economy?**
 - Technology/productivity
 - Physical capital
 - The number of workers
 - Immigration adds to the number of workers.
- **Number of immigrants in the labor force is high**
 - 28.2 million foreign-born persons ages 16+ in the labor force in 2018.
 - 17.4% of the total US workforce.
- **Evidence**
 - Immigrants added 11% to GDP (\$2 trillion) in 2016.



24

Labor Market Implications: Complicated

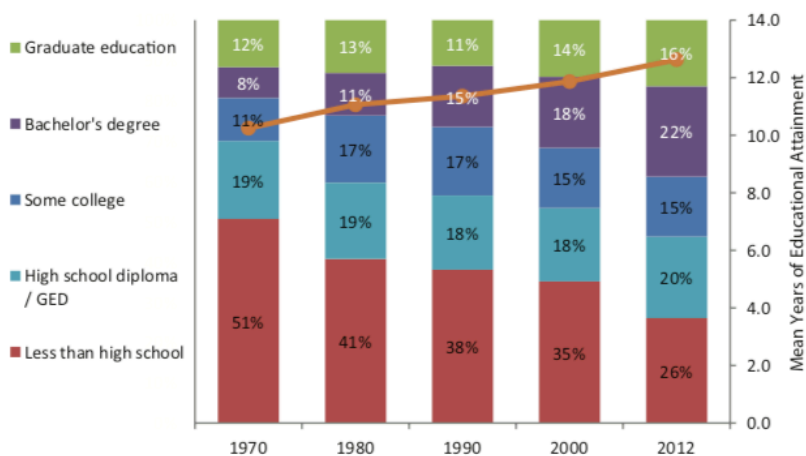
- **Depends on the type of immigrant: Skills/education**
 - Similar to native-born population?
 - Low-skilled?
 - Highly skilled?

- **Brings capital market implications**
 - Low-skilled immigrants – capital supplementing
 - Highly skilled immigrants – capital complementing

25

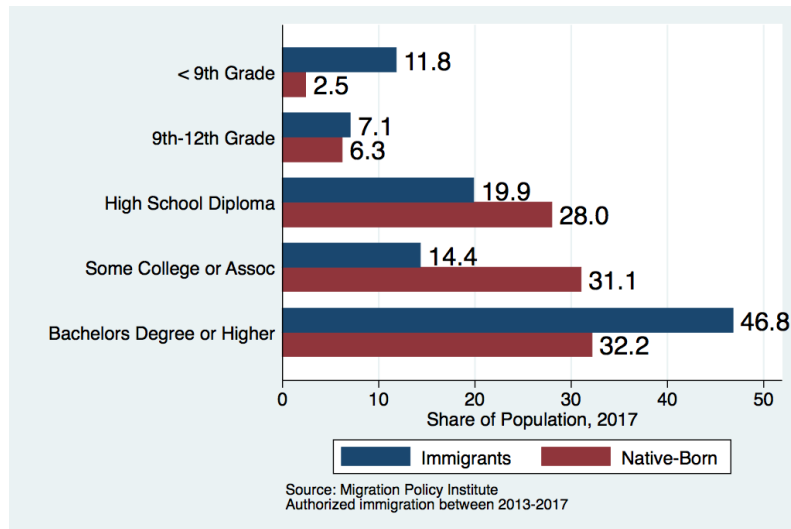
Pattern of Immigration

Educational Attainment of Recent Immigrants – Last 5 Decades



26

Recent Immigrants Are Less and More Educated



27

Labor Market Implications

- **Provides net benefits to the receiving economy**
 - Larger labor supply.
 - Changes in labor prices increase production of goods and services that use the type of labor offered by immigrants.
- **Short run: there are winners and losers**
 - Changes in wage structure and returns to capital affect native-born workers differently.
- **Long run: could be no winners, but also no losers**
 - The economy might adjust to pre-immigration wage structure and returns to capital. No change for native-born individuals.

28

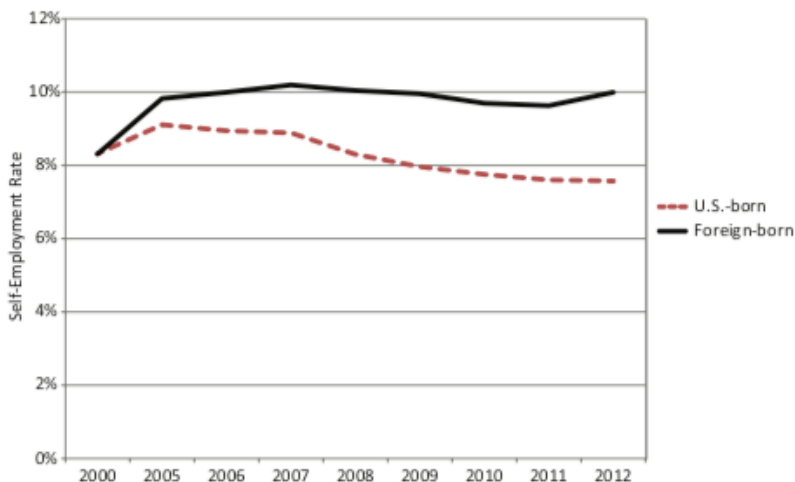
Skilled Immigrants and Innovation

- **1% increase in the share of the immigrant college graduate population**
 - 9-18% increase in patenting per capita
 - Increased immigration increases patenting by native-born population
 - Nonetheless, the effect is positive
- **In the 1990s**
 - Increased skilled immigration can account for one-third of increased patenting in that decade.
 - This translates into a 1.4-2.5% increase in GDP per capita by the end of the decade.

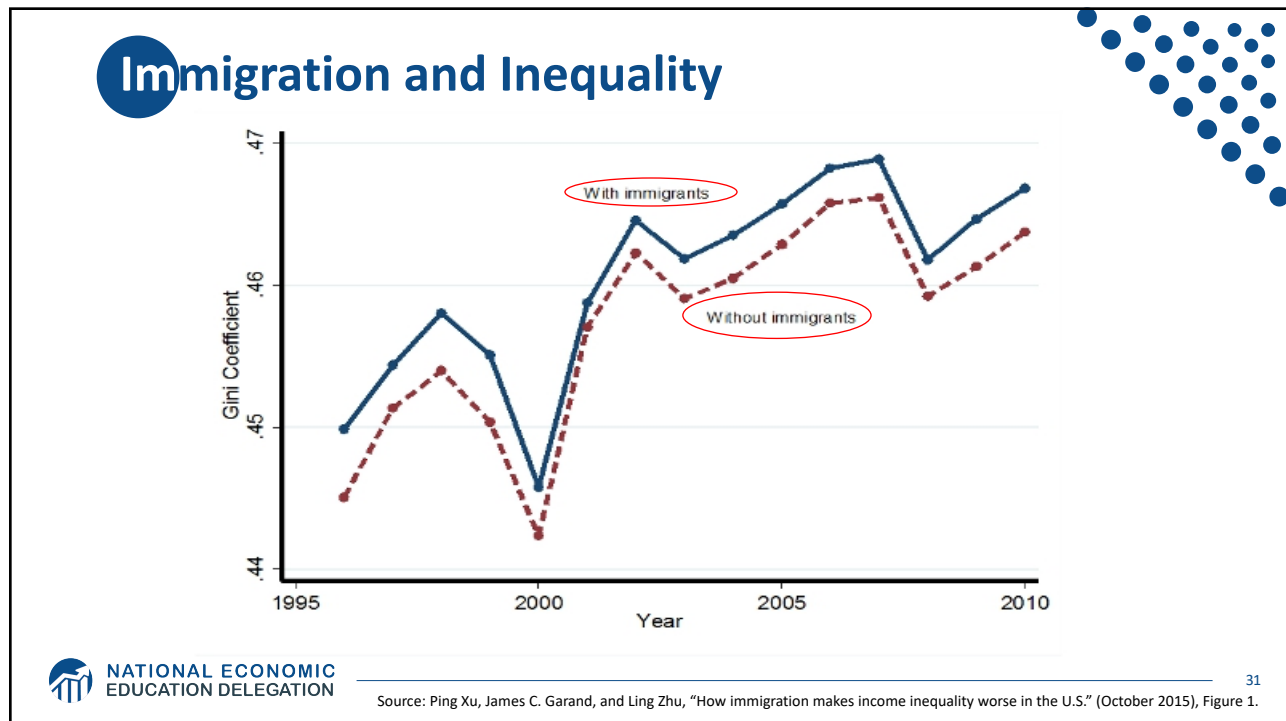
29

Immigrants and Entrepreneurship

Self-Employment Rates by Nativity



30



31

Immigration and Inequality: Summary

- **Beginning in about 1970, the immigrant share of the US population increased dramatically.**
 - 5% in 1970 and 14% in 2016
- **Compared to the native born, immigrants:**
 - Comprise a larger share of less-educated workers (less than HS diploma)
 - Comprise a larger share of highly educated workers (advanced degree)
- **Immigration has likely increased income inequality.**
- **Its effect has likely been small.**
 - ~5% between 1980 and 2000
 - No reason to think it has been bigger since then

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32

Government Revenues and Expenditures



33

Why Is This Important?

- **Important for understanding whether immigrants will be net contributors to the economy.**
- **Two additional reasons:**
 - Taxpayer inequity geographically
 - Necessary to understand the full consequences of admitting additional immigrants into the country



34

Topics?

- **Basic Question:**

- Taxes (income, sales, and other) immigrants pay vs. government expenditures on public benefits and services they receive.

- **More complicated:**

- Immigrants also affect the fiscal equation for many native-born residents.
 - Indirectly through labor and capital markets.
 - Changes in wages and the return to capital.



35

What Do We Know?

- **Immigrants who arrive while of working age:**

- Are, on average, net contributors.
- 21-year-old with a high school diploma: +\$126,000 over a lifetime
 - Though this value gradually declines with age at arrival.
 - Turns negative for arrivals of age 35+

- **Net contribution crucially depends on characteristics**

- Age distribution, family composition, health status, fertility patterns
- Temporary or permanent relocation
- Employment in the legal labor market
- Authorized or unauthorized



36

Bottom Line/Consensus of Estimates

- **Federal level: fiscal impact is generally positive.**
- **State and local level: typically negative fiscal impact.**

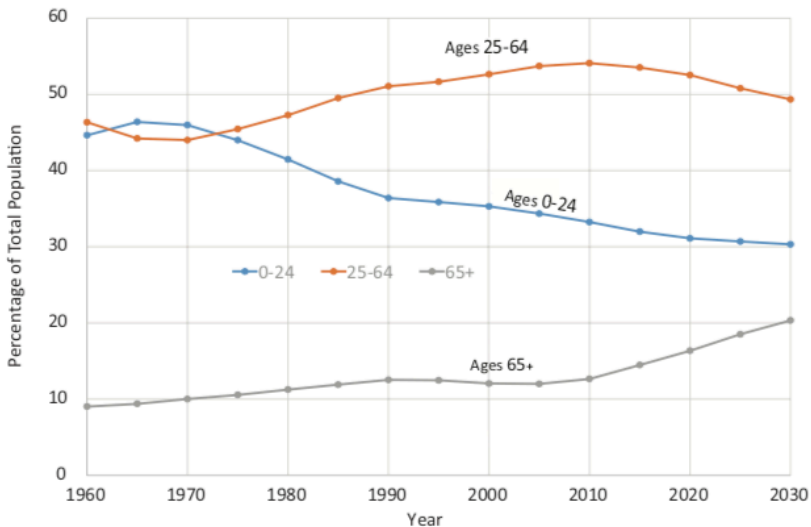
37

Implications for Major Federal Programs

- **Documented immigrants are less likely to use Social Security and Medicare.**
- **Unauthorized immigrants are ineligible.**
 - They will pay into the system but cannot receive benefits.
- **Medicaid: not available to legal residents for the first five years.**
- **Provide a source of revenue for an aging population.**

38

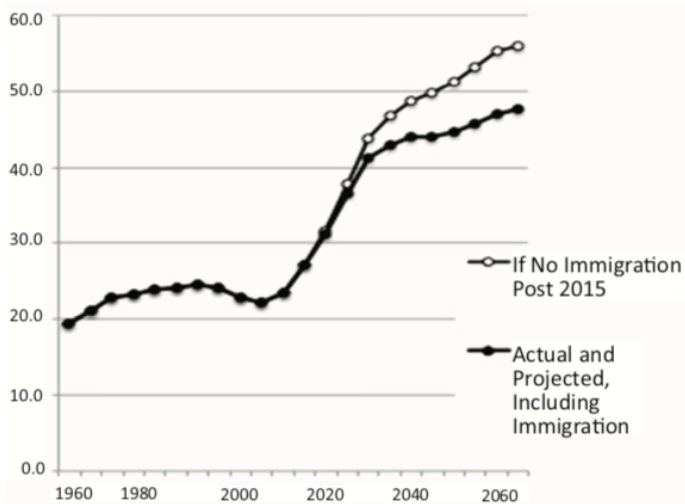
The Aging US Population



39

Implications for Social Security

Population Age 65+ per 100 of Working Age (25-64)



40

Other Implications of Immigration



41

Exports and FDI

- **Flows of goods, services, and investments internationally rely heavily:**
 - Information
 - Contacts abroad
- **Immigrants bring both information and networks.**
- **A variety of studies show that increased immigration from a particular country leads to**
 - Increased exports to that country.
 - Increased flows of investment to that country.
- **Migrant networks do indeed complement both trade and FDI.**



42

Immigrants and Crime Rates

- **Conventional wisdom:**

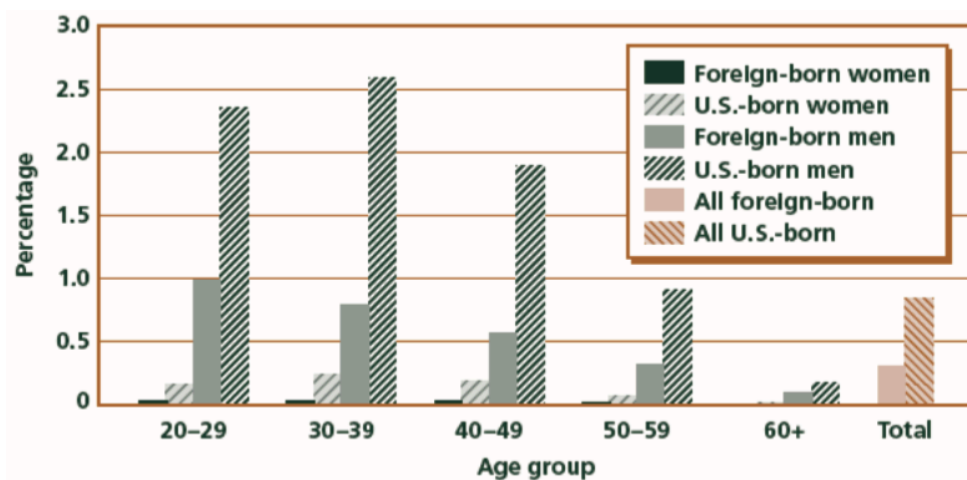
- Immigrants commit crimes more frequently than do native born residents.
- Rising immigration leads to rising crime.

- **What do the data say?**

- Rates of incarceration are lower for the foreign born than US born.
- Neighborhoods with more immigrants have lower crime rates.
- There is no evidence that deporting noncitizen immigrants affects crime rates.

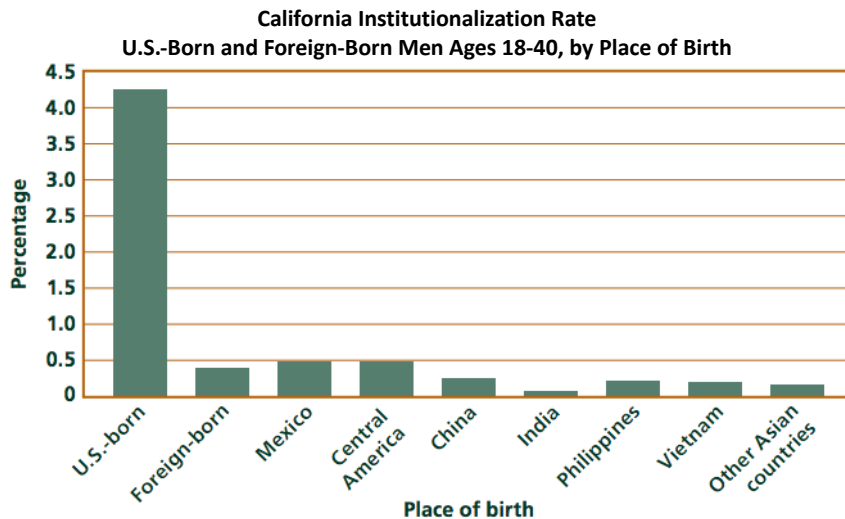
43

Crime: Incarceration Rates in California

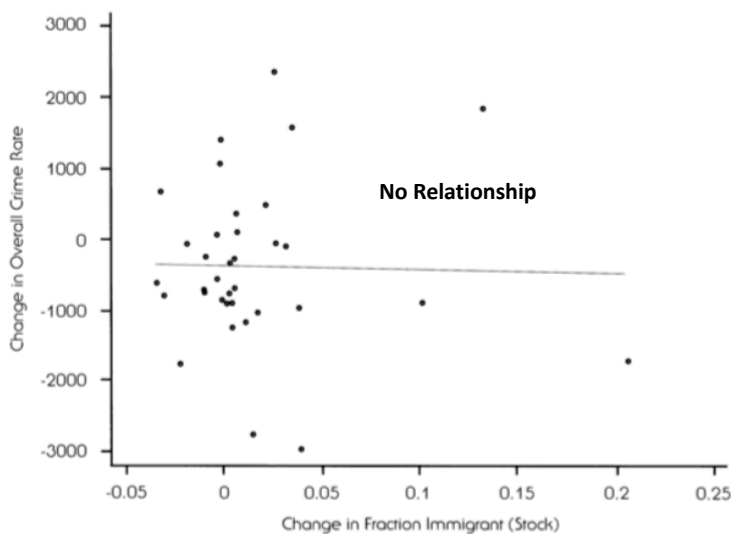


44

Crime: Incarceration Rates in California



MSAs: Growing Immigration and Crime



Summary

- Immigration should be thought of as increasing the population of the United States.
- This brings economic growth and opportunity, just as does increasing the native-born population.
- Including unauthorized immigrants, the supply of low-skilled workers is increased
 - This lowers the wages of low-skilled workers.
 - But also increases labor force participation among highly skilled workers.



47

At the Same Time....

- **Immigrants are often a select group:**
 - Willing to incur an enormous personal or familial cost to better their lives.
- **As a result:**
 - Immigrants tend to commit crimes at low rates.
 - Immigrants tend to be entrepreneurial and to add significantly to economic growth.
- **Although there are distributional issues:**
 - Immigration is an important contributor to economic growth.
 - Immigration helps to sustain vital government programs.



48

Credits and Disclaimer

- **This slide deck was authored by:**
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 - Kirk Doran, Notre Dame
 - Ethan Lewis, Dartmouth College
- **Disclaimer**
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 - It is, however, inevitable that presenters will be asked for and will provide their own views.
 - Such views are those of the presenter and not necessarily those of the National Economic Education Delegation (NEED).



49

Thank you!

Any Questions?

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50