

# Osher Lifelong Learning Institute, Winter 2023 Contemporary Economic Policy

University of Pittsburgh May-June, 2023

Host: Jon Haveman, Ph.D. National Economic Education Delegation



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## Available NEED Topics Include:

- Coronavirus Economics
- US Economy
- 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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- Contemporary Economic Policy
  - Week 1 (5/24): US Economic Update (Geoffrey Woglom, Amherst College)
  - Week 2 (5/31): Federal Debt (Brian Peterson, Lagrange College)
  - Week 3 (6/7): Economics of Immigration (Jon Haveman, NEED)
  - Week 4 (6/14): Economic Mobility (Jon Haveman)
  - Week 5 (6/21): The Gender Wage Gap (Jon Haveman)



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# **Submitting Questions**

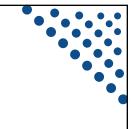


- Please submit questions of clarification in the chat.
  - I will try to handle them as they come up.
- We will do a verbal Q&A once the material has been presented.
- Slides will be available from the NEED website shortly after the talk (https://NEEDEcon.org/delivered\_presentations.php)



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#### The Gender Pay Gap

OLLI – University of Pittsburgh
June 21, 2023

Jon Haveman, Ph.D.





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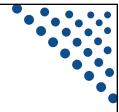


- This slide deck was authored by:
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- Disclaimer
  - NEED presentations are designed to be nonpartisan.
  - It is, however, inevitable that the presenter will be asked for and will provide their own views.
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- What is gender wage gap?
- Gender wage gap in numbers.
- What are the potential causes for this gender wage gap?
- What can we do?







"We have to pass pay equity for women workers. It is not acceptable that women are making 78 cents an hour compared to men."

-- Sen. Bernie Sanders (I-Vt.), speech to the National Press Club, March 9, 2015

"..42% [women] in the United States say they have faced discrimination on the job because of their gender... One of the biggest gender gaps is in the area of income: ...25% [women] say they have earned less than a man who was doing the same job.."

-- 2017 Pew Research Center survey



## **Popular Theories**



- Occupational segregation
- Biased managers and co-workers
- Inferior bargaining skills
- Lack of competitiveness
- Labor market incentives
- And more

We will delve deeper into what is meant by the gender wage gap and how economists think about the issue.



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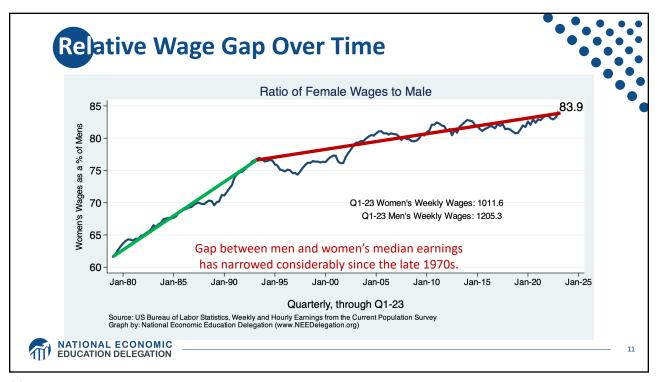
# What is Gender Wage Gap?

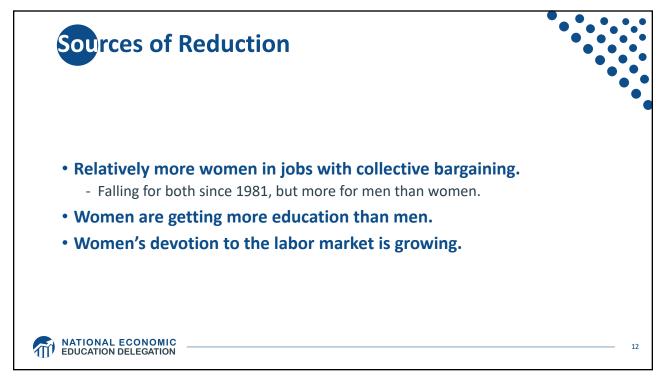


- Gender wage gap represents the difference in average earnings of women relative to those of men.
- The gap is usually calculated as a ratio of women's earnings to men's earnings.
  - For example, in 2023-Q1, median weekly earning for full-time women workers was \$955.5, and that for men was \$1,141.3.
  - Therefore, the gender wage gap in 2023-Q1 was:

$$\frac{\$1,011.6}{\$1,205.3} = 83.7\%$$







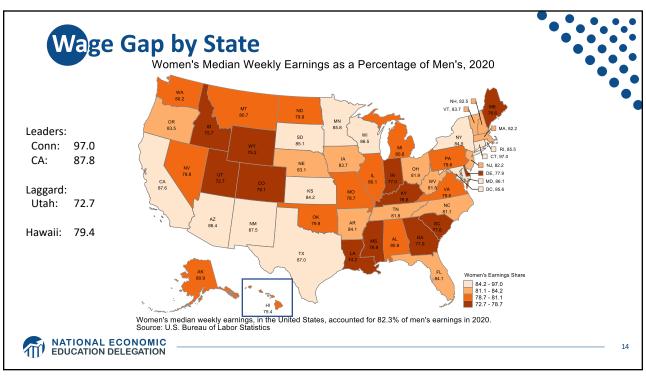


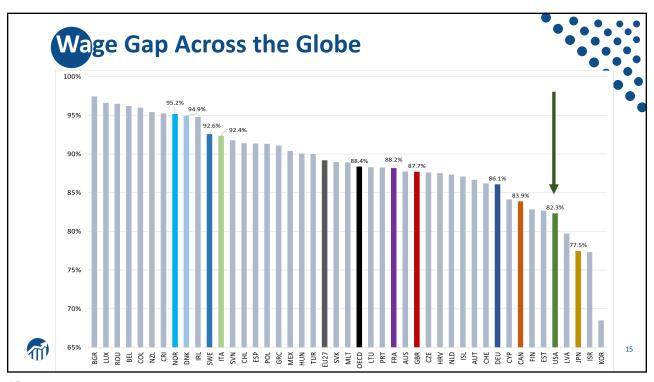
#### Significant Policy Strides Have Been Made

- Progress made in combating gender inequality and discrimination against women in workplace since the 1970s
  - The Fair Labor Standards Act of 1938,
  - The Equal Pay Act of 1963,
  - Title VII of the Civil Rights Act of 1964, and
  - The Pregnancy Discrimination Act of 1973 in conjunction with
  - Affirmative Action and other movements aimed at diversity
- "Gender Revolution"



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- Average wage comparison based on a limited sample. Men and women:
  - Working full time
  - Working year round
- Wage gap is not: Apples to Apples
  - Does not compare wages of men and women in the same occupation or industry.



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## What Does the Wage Gap Capture?

- It reflects gender differences in:
  - jobs,
  - hours worked,
  - years of experience,
  - educational attainment,
  - or personal choices that people make about their careers,
  - and discrimination.
- Which begs the question of why the non-discrimination aspects differ by gender?
  - Discrimination?
  - The structure of our economic system?



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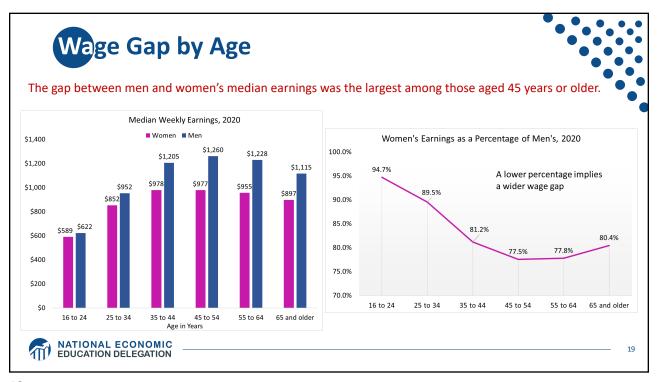
# What is NOT included in these calculations?

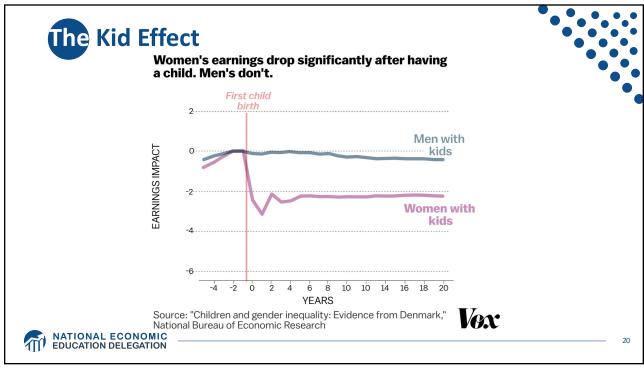


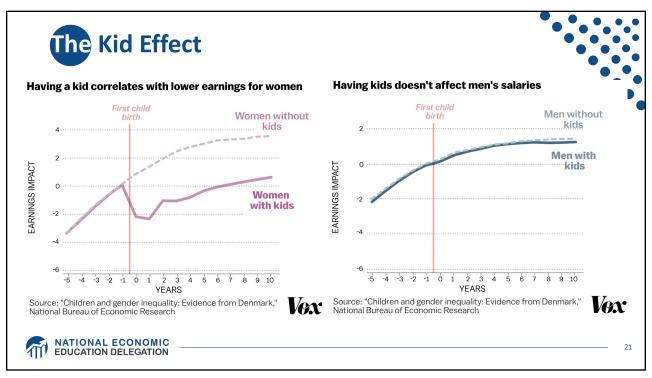
- The difference doesn't take into account important determinants of earnings such as:
  - Age
  - Occupation
  - Educational attainment
  - Job skills and responsibilities
  - Work experience
  - Specialization
- Gender wage gap is not a single statistic; it is dynamic.

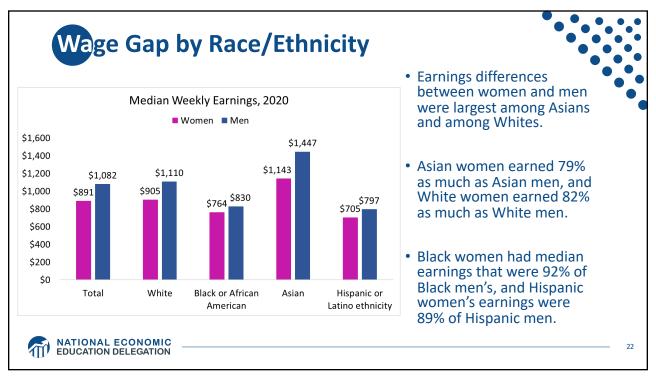


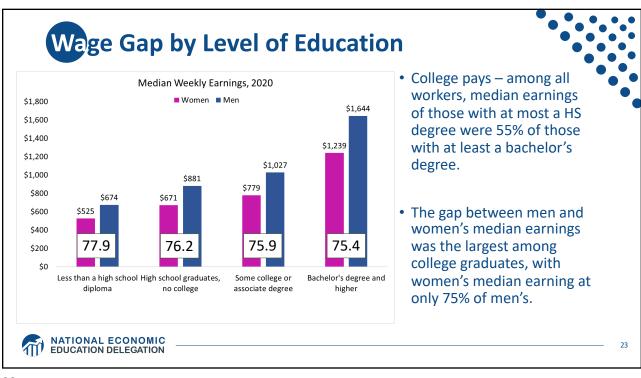
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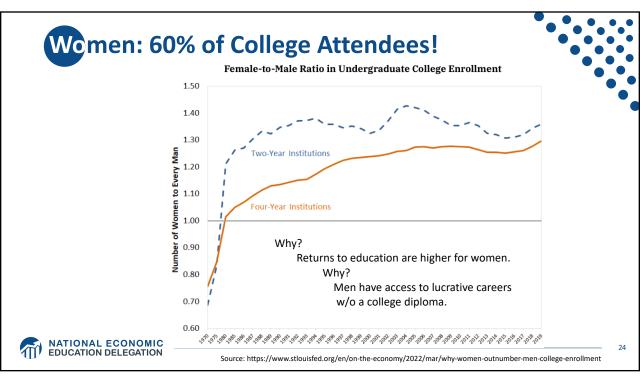


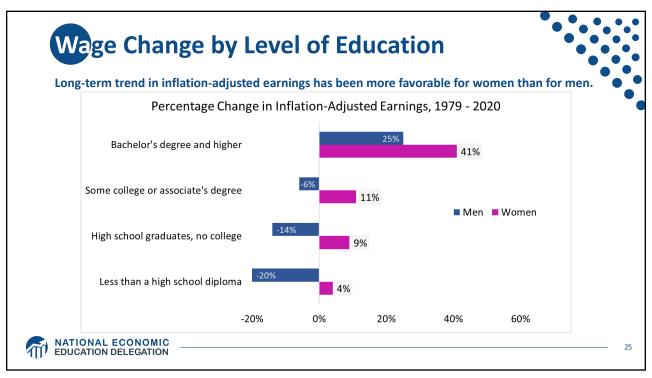


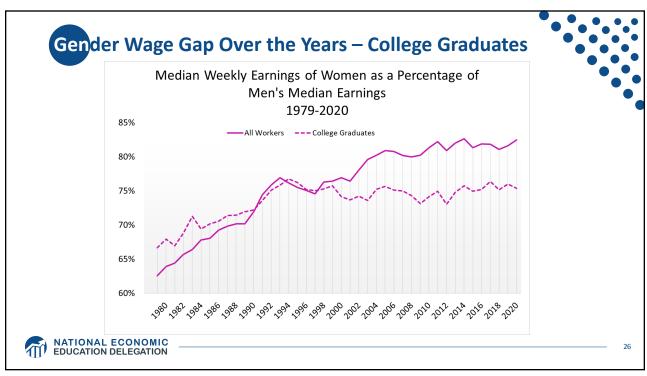


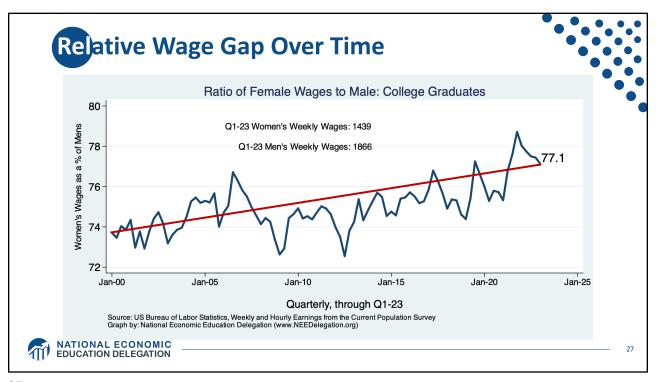


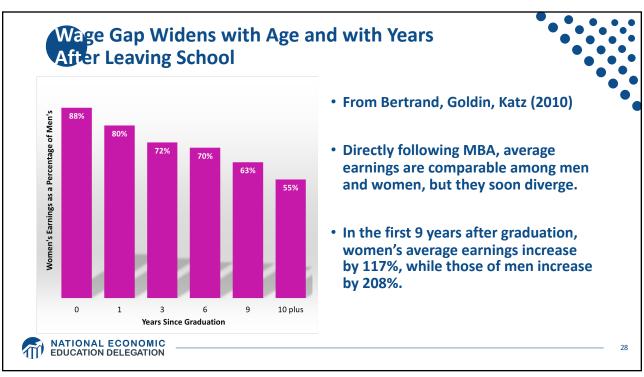










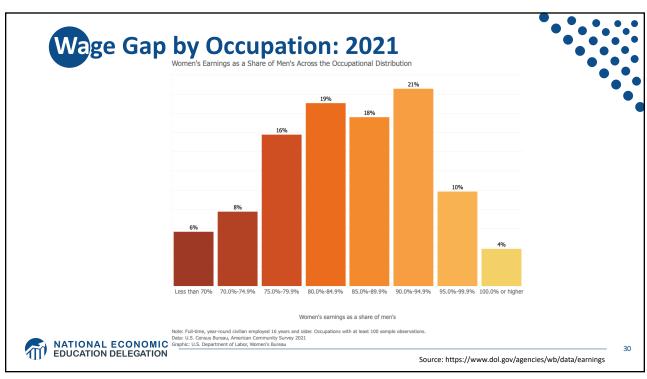


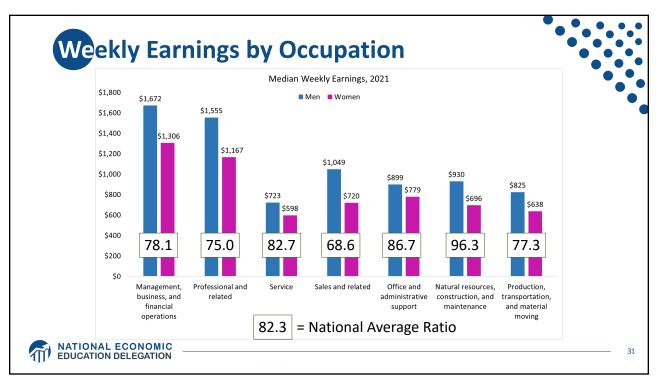


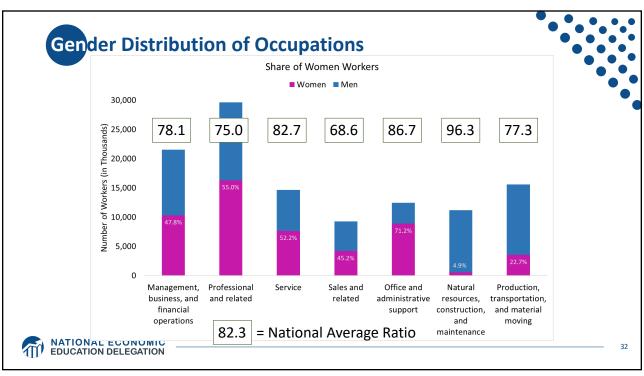
- The sample controls for ability, training and education.
- Almost all the gap can be explained by:
  - Career interruptions.
  - Differences in average weekly work hours.
    - $_{\circ}$  49 hrs vs 57 hrs for men.
    - o More part-time, self-employed workers.
- The gap grows largely with the arrival of children.
  - Well-intentioned paternalism by supervisors.
  - Husband's position on the earnings distribution and his interaction with children also a factor.
- Several studies, even those from Nordic countries, support these results.

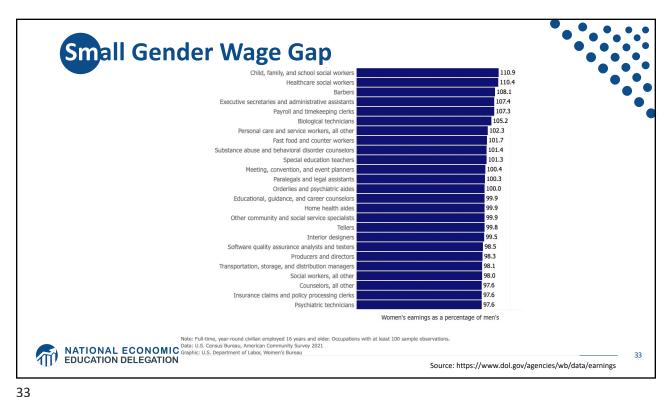


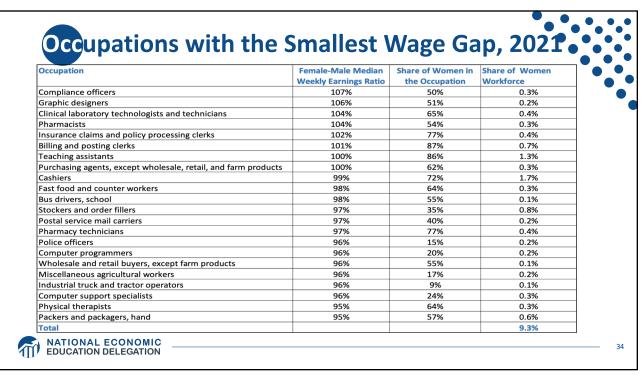
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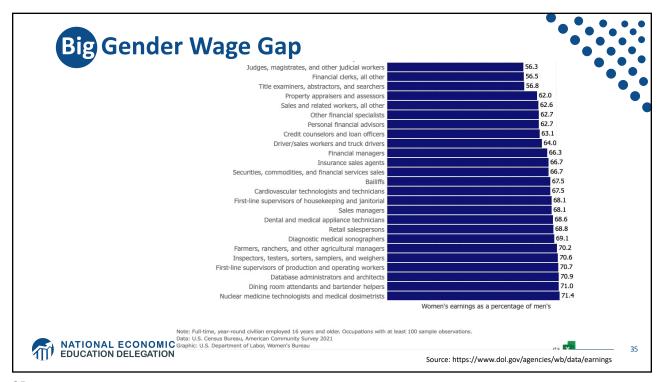


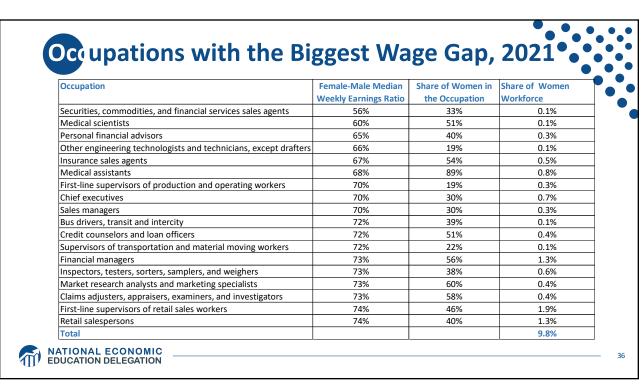












# **Explaining Gender Wage Gap by Occupation**

- Women, traditionally, the "on-call" parent.
- Prefer occupations with:
  - shorter hours,
  - fewer "on-call" hours,
  - predictable schedules,
  - standardized products/services, and,
    - o greater substitutability of workers within teams.
- Men, traditionally, opt for jobs with greater time demands but pay more.
- Men appear to care less about time flexibility.
  - Ready to work evening/weekend hours to meet clients.
  - Affects occupation selection.



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#### **Explaining Gender Wage Gap by Occupation**



- High time demand occupations:
  - Contact with others
  - Frequency of decision making
  - Time pressure
  - Structured vs. unstructured work
  - Establishing and maintaining interpersonal relationships
- Level of competition within an occupation
- Income inequality among men within an occupation



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#### **Gap Occurs Primarily WITHIN Occupations**



Where does the wage gap come from?

	Between Occupations	Within Occupations
All Workers	15%	85%
College Graduates	35%	65%



Source: Reassessing the Gender Wage Gap: Sharing Jobs, Equalizing Pay, Right Now, the Expanding Harvard Universe.

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## Non-Linearities in Pay and the Wage Gap

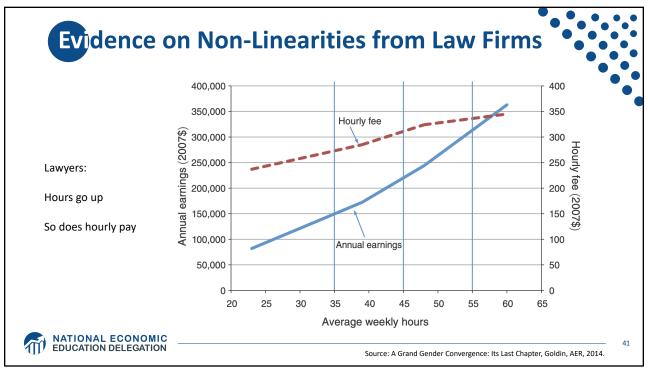


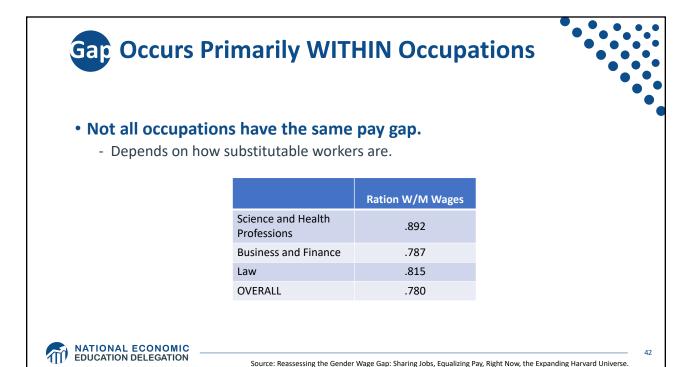
- Pay increases with the number of hours worked each week.
  - Why?
    - o In some occupations, workers are not good substitutes for each other.
    - o To ensure continuity, employers value individual workers working more hours.
  - Implications:
    - o Households divide the work.
      - Rather than both working 40 hours, perhaps one works 80 and the other does not work.
        - Women are more likely to be the ones working fewer hours, receiving less pay.

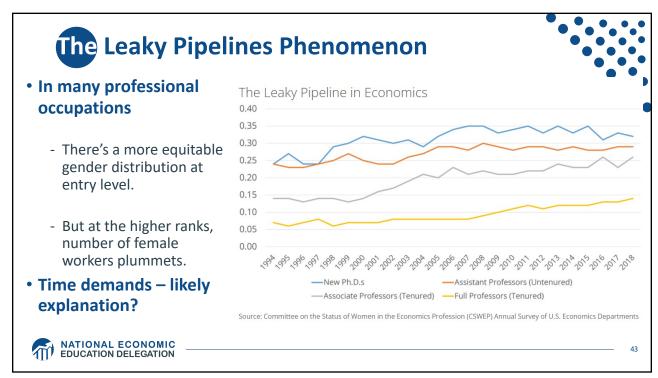


Source: Reassessing the Gender Wage Gap: Sharing Jobs, Equalizing Pay, Right Now, the Expanding Harvard Universe.

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# These are Still Unadjusted Wage Gap Numbers

- In the previous slides we controlled for one factor at a time that might affect earnings of workers.
  - Controlling for just one of the factors may not fully explain earnings differences.
- For example, when comparing median earnings differences by **occupation**, we still would like to know if these differences can be further explained by differences in other key factors such as:
  - age,
  - job responsibilities,
  - work experience, and
  - other individual life choices such as marital status or to have children and to take time off to raise them.



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# Adjusting the Wage Gap

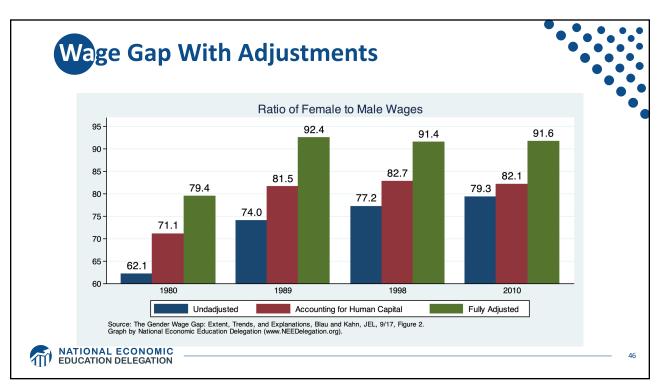
- ount for
- Men and women make different choices. It is possible to account for some of those choices to explain the wage gap.
- Two possible adjustments:
- Adjustment 1 accounts for human capital:
  - Education
  - Experience
  - Geographic region
  - Race

- Adjustment 2 also accounts for:
  - Unionization
  - Industry
  - Occupation

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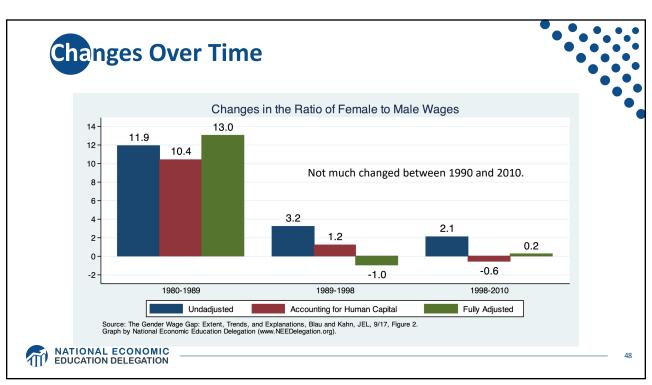


#### What do the Adjustments Tell Us?

- Human capital decisions, as well as region and race, matter for the wage gap.
- Ultimate job matters:
  - Is it unionized?
  - Is it an industry with a large gap?
  - Is it an occupation with a large gap?
- Still 10% unaccounted for.
  - Is this discrimination?
    - o Perhaps, but not all of it.
    - o Labor market decisions are influenced by discrimination or perceptions of women's vs men's majors, occupations, or industries.



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#### Sorting happens:

- With the decision to go to college.
- With the election of a major.
- With the choice of an occupation.

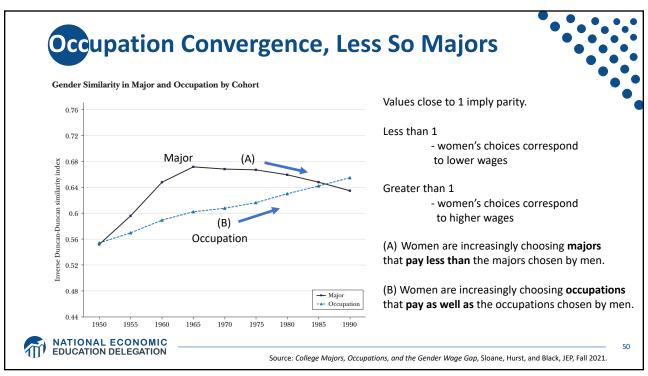
#### Women tend to:

- Go to college more than men.
- Select majors with lower expected wages.
  - o Though convergence WAS happening.
- Within a major, select occupations with lower wages.
  - Though convergence IS happening.



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#### **Occupation/Major Choices**



- **Majors**: Women are increasingly choosing majors that pay less than the majors chosen by men.

#### Or...

- Majors: Majors chosen by women are declining in pay relative to those chosen by men.
- **Occupations**: Women are increasingly choosing occupations that pay as well as the occupations chosen by men.

#### Or...

 Occupations: Occupations chosen by women are increasingly paying as well as those chosen by men.



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#### **Earnings Penalty for Taking Time Out**



- Occupations with the largest wage gap tend to also be highly skilled.
- Earnings penalty for taking time out for career paths with the most prestigious degrees is generally very high.
- Goldin and Katz (2008), Harvard and Beyond study: Earnings penalty for taking time off, at 15 years since leaving college with a Bachelors:
  - Lowest for MDs
  - Highest for MBAs at 1.4 times the penalty for MDs
  - Followed by JDs and PhDs at 1.2 times the penalty for MDs
- Women with children tend to do less well than men.



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#### Solutions to the Gender Wage Gap



- Debiasing the labor market
  - Diversity training for supervisors and managers.
  - Changing the organizational culture.
  - Gender blind hiring/evaluation procedures.
- Training women to be more competitive and removing unconscious bias.
- Legislative actions by federal and state governments.



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# The System - Not Individual Bias is the Culprit



- Decisions made by ordinary couples in terms of being on-call at work or at home.
- Cost of time flexibility at work.
- The higher the cost of time flexibility, the higher is the likelihood of a couple to forego equity in favor of higher family income.
- Substitution among workers needs to be encouraged in occupations with high gender pay gaps.



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- With more women entering the profession.
- More men wanting equitable relationships with their life partners.
- Costly job training.
- Valuable client-employee relationships formed by the women in early years.

Firms have more incentive to retain the female employees now than ever.



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## Time Demand Tradeoffs and COVID-19

- ards more
- COVID-19 may have accelerated some of the trends towards more workplace flexibility.
- Remote work may have lasting beneficial impact on all workers, including women.
- But there may also be losses.
  - WFH = Working from Home or Working from Hell?
- Women's attachment to labor market at risk due to:
  - Difficulty in obtaining affordable, dependable childcare.
  - Unpredictability in school closures/re-openings.



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- Reduce the cost of flexibility
- Increase or incentivize substitutability
- Reduce the cost of caregiving childcare as well as elderly care
- Alter societal norms

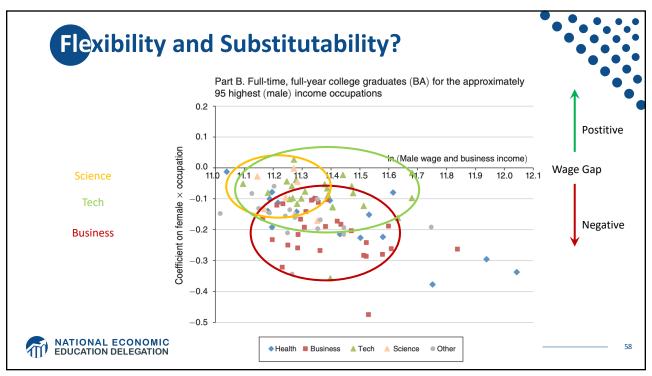
"We need men to lean out at work, support their male colleagues who are on parental leave, vote for public policies that subsidize childcare, and get their firms to change their greedy ways by letting them know that their families are worth even more than their jobs. Dreams won't come true, aspirations won't be realized unless men are brought along for the rest of the journey."

-- Claudia Goldin



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- The gap is significant and seemingly stubborn.
  - Some, but not very much progress in the last 20 years.
- Discrimination clearly plays a role, but we can't identify how much.
  - In wage setting, in people's choices, as a result of market structures.
- Gender roles in child rearing play an enormous role.
- Government policy can help, by:
  - Implementing policies that reduce the child-bearing penalty for women.
    - o Access to childcare, for instance.
  - Influencing the structure of labor markets, the workplace, hiring practices, and job flexibility.
  - Generally, address the hours/compensation relationship.



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#### **Any Questions?**



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