## JOURNEY ACROSS A CENTURY OF WOMEN

JULY 21, 2020

FELDSTEIN LECTURE
NBER 2020 SUMMER INSTITUTE

Claudia Goldin, Harvard University

## Fraction of Birth Cohort with BA at Age 35: US Males, Females


-Female College Graduates —Male College Graduates

## Fraction of US College Graduate Women and Men Earning Post-BA Degrees (PhD, MD, JD, MBA, etc.)*



* (Advanced degrees awarded in year $t$ )/(BAs awarded in year $[t-4]$ )


## Fraction of US College Graduate Women with No Births



Source: CPS June Fertility Survey Micro-data; 5-year centered moving average.

| Group | Graduated from 4- <br> Year College <br> During | Approximate <br> Birth Year | Characterization of <br>  <br> Career/Job Path |
| :---: | :---: | :---: | :---: |
| $\mathbf{1}$ | 1900 to 1919 | 1878 to 1897 | Family or career |
| $\mathbf{2}$ | 1920 to 1945 | 1898 to 1923 | Job then family |
| $\mathbf{3}$ | 1946 to 1965 | 1924 to 1943 | Family then job |
| $\mathbf{4}$ | 1966 to 1979 | 1944 to 1957 | Career then family |
| 5 | 1980 to 2000 | 1958 to 1978 | Career and family |


| Group College Years <br> [Group Birth Years] | Never <br> Married <br> (by 30) | Never <br> Married <br> (by 50) | No <br> Children <br> (by 45) | LF if Ever <br> Married <br> 25-29 | LF if Ever <br> Married <br> 45-49 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Group 1: 1900-19 <br> $[1878-1897]$ | $53 \%$ | $32 \%$ | $50 \%$ | $\sim 20 \%$ | $30 \%$ |
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|  |  |  |  |  |  |



Roy Lichtenstein c. 1964

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| Group 5: 1980-2000 <br> $[1958-1978]$ | $27 \%$ | $12 \%$ | $21 \%$ | $83 \%$ | $84 \%$ |



## Fraction of Men and Women Agreeing with:

"Preschool children are likely to suffer if their mother works" (GSS, 1977 to 2016)


## Career and Family Success: US College Graduate Women



Notes: 1931-57 use HRS-SSA; 1958-65 uses NLSY79. "Career" for HRS-SSA is > CPS P25 for FT males of the same education, age and cohort groups. Standard for NLSY79 respondents is the NLSY79 males in the same education, age and cohort groups. Family is $>=$ one child.

## Gender Discontent: New York Times Phrase Searches, 1960 to 2019



[^0]

Noisy Revolution of 50 Years Ago


205hens
"MeToo" Today

## Gender Discontent: New York Times Phrase Searches, 1960 to 2019



[^1]
## © The Atew Hork Times

## Women Did Everything Right and then Work Got Greedy

How America's obsession with long hours has widened the gender gap


By Claire Cain Miller

April 26, 2019


Female to Male Median Annual Earnings Ratio: 1960 to 2017

Ratio of Female to Male Annual Earnings for Full-time, Year-round Workers


## Female to Male Median Annual Earnings Ratio: 1960 to 2017

Ratio of Female to Male Annual Earnings for Full-time, Year-round Workers


## Gender Earnings Gap Facts

1. Differences exist for annual earnings and for hourly earnings.
2. Women with children earn less than those without children.
3. Earnings gaps increase with age and with events (marriage, birth).
4. Gaps are greater at the upper end of (male) earnings and education.
5. Earnings inequality matters. The gender earnings gap has been slow to narrow as economic inequality has soared.
6. Gender gaps in earnings are greater for occupations with more time demands and client relationships.


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## Gender Inequality $\leftrightarrow$ Couple Inequity



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## Costs of Temporal Flexibility

$\square$ Temporal flexibility is an amenity

- Ability to switch hours, work fewer hours, control your hours, not be "on-call," not work evenings ...
$\square$ Costs of temporal flexibility


## How to Reduce the Costs of Temporal Flexibility

Fix the Organizations: Reduce costs of temporal flexibility

- Create good substitutes for particular workers
- Convey information with little loss of fidelity
- Teams of substitutes, not complements
- Create conditions so that pay is more linear with respect to hours



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Earnings
Hours

## © The Aew Hork eimes

## In the Covid-19 Economy, You Can Have a Kid or a Job. You Can't Have Both.



College Graduate, Employed Couples. Total Childcare Hours: BCE (from 2010-18 ATUS) and DC (estimated)*


[^2]College Graduate, Employed Women. Total Childcare Hours: BCE (from 2010-18 ATUS), DC (estimated)


## College Graduate, Employed Women. Total Childcare Hours:

 BCE (from 2010-18 ATUS), DC (estimated), AC/DC (average of BCE + DC with husband doing prior BCE childcare hours)

College Graduate, Employed Men. Total Childcare Hours: BCE (from 2010-18 ATUS), DC (estimated), AC/DC (husbands do BCE childcare hours)


## College Graduate, Employed Women. Total Childcare Hours:

 BCE (from 2010-18 ATUS), DC (estimated), AC/DC (average of BCE + DC with husband doing prior BCE childcare hours)


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## THE JOURNEY CONTINUES



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## Male and Female MBA Annual Earnings Ratios: 0 to 15 Years Out

(Holding constant ability, MBA courses)


Male and Female MBA Annual Earnings Ratios: 0 to 15 Years Out
(Holding constant "ability," MBA courses)

(Non-College - College Graduate) Women Never Married


## Male and Female MBA Annual Earnings Ratios: 10 to 15 Years Out

Holding constant MBA courses, years job experience, and hours/week.


## The Road to the Present: Summary

$\square$ Group 1: Family or Career. Wages were "low;" marriage bars and meager part-time employment limited work of married women and moms. Supply of college women into marriage was low, given options.
$\square$ Group 2: Job then Family. Increased wages and employment options at first, but expanding marriage bars and reduced employment in the Great Depression.
$\square$ Group 3: Family then Job. Wages increase; marriage bars are eliminated; part-time work becomes plentiful. Increased demand by men for college graduate wives; supply of college women into marriage increases. College women planned their confinement and their escape. The past was not rosier.

## Explanations for Change:

$\square$ Group 4: Career then Family. "Pill" c. 1970 allows women (and men) to delay marriage and family and to invest in career. In consequence, wages rose even more for college group. Men increased preference for college women. Returns to college increase for women in market and in marriage. But biological clock ran out for many.
$\square$ Group 5: Career and Family. Delay into marriage for college group continues. But career is compromised somewhat to guarantee family. Also, non-college men are less attractive given rising inequality


100 Years Ago: Women's Suffrage (1920 US; 1918 UK)

## The Journey: Concluding Thoughts

$\square$ Must involve a decrease in the cost of flexibility to firms and thus to workers.
$\square$ Restructuring of jobs has occurred in some sectors and occupations (e.g., health, pharmacy, some medical specialties, tech).
$\square$ Results will be lower penalties to temporal flexibility and a greater linearity of pay.
$\square$ Gender equality is not just about women. Men "on-call-at-work" and women "on-call-at-home" is not equitable for couples. But this cannot be achieved with the currently high price to couples.

Fraction of US College Graduate Women with No Births


## Fraction of US College Graduate Women with No Births



## Fraction of US College Graduate Women with No Births



## Fraction of US College Graduate Women Never Married



## Fraction US College Graduate for Males and Females



## Fraction of US College Graduate Women Never Married



## Gender Earnings Ratio for College Graduates by Occupation



## Gender Earnings Ratio for College Graduates by Occupation



## Male and Female Physician Hours/Week by Specialty, < 45 Years



## Male and Female Physician Hours/Week by Specialty, >= 45 Years



## Male and Female Physician Annual Earnings Ratios

Holding constant Years since MD; Specialty; PCP and salaried status; Hours/week, weeks/year



[^0]:    Notes: Author's New York Times searches, with quotation marks to search for phrases, scaled by counts of the word January.

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[^2]:    * Using the multiple increase from the IFS April 2020 Survey +4 hrs per parent with youngest child school-aged.

