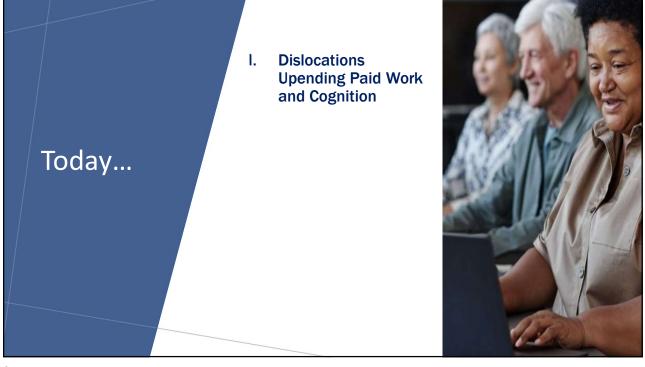


#### Slide 2

**PMO** Can you put one with lots of people to replace the picture here? And use that one for all the Today slides....this will be on people's computers so doesn't need to be so big, which is why I made font smaller

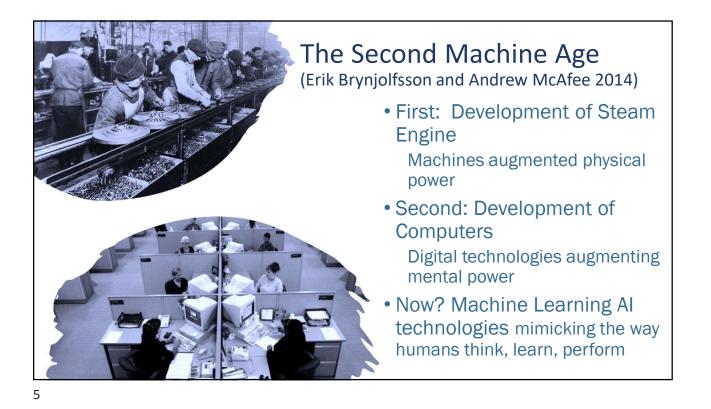
Phyllis E Moen, 2025-01-05T14:16:28.970

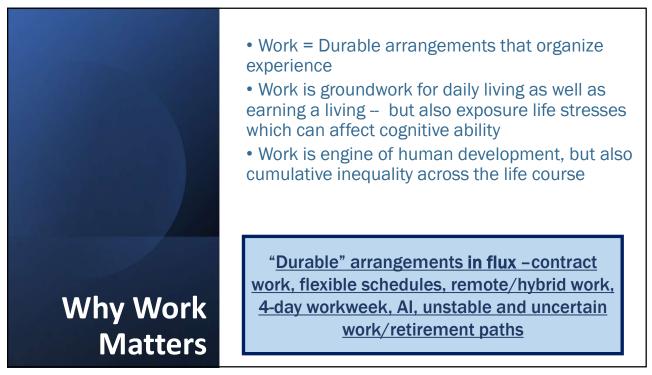


# Dislocations ....

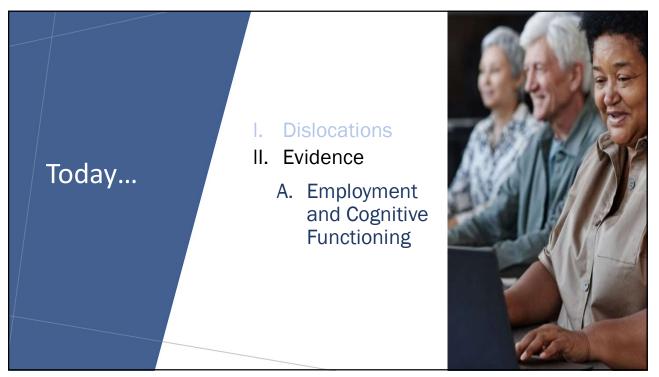
Unprecedented Technological, Demographic, Economic, Political, Other Upheavals Affecting Work and Cognitive Functioning

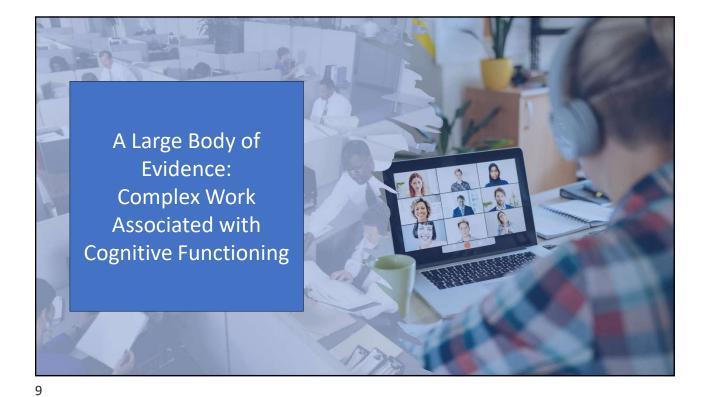












Complex, Demanding Work Matters
Higher mental and social demands of work associated with higher levels of initial cognitive functioning, but no effects over time
Physical work demands of work negatively linked to cognitive functioning (Lee et al 2022 HRS)

## Retirement a Risk Factor?

In low complexity jobs: All retirement pathways associated with accelerated cognitive decline for workers in low complexity jobs. In high complexity jobs: Retirement not associated with accelerated cognitive decline Returning to work: associated with modest improvement in cognitive functioning."





### Job Strain Related to Memory(HRS)

Job strain -- mainly as low job control -- linked to poorer episodic memory at retirement and more decline after retirement. (Andel et al. 2015 -- HRS)



13

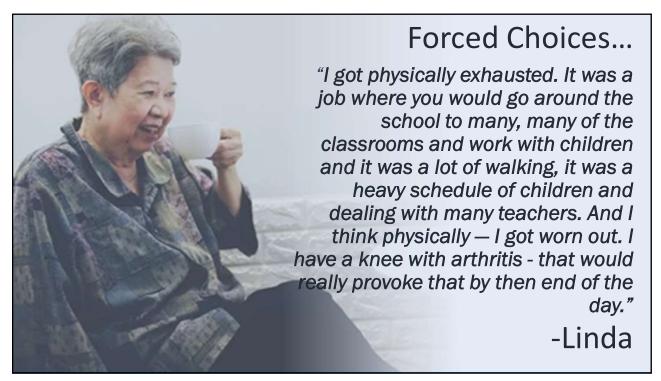
# Susan:

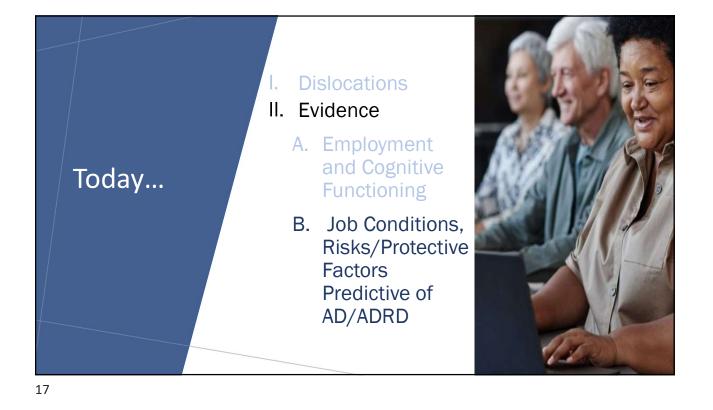
"The course of action was unclear, I felt paralyzed...I likened this to living in a black and white postcard; nice picture, but dull, cold, and inhibiting."





(Swedish Adoption/Twin Study of Aging, Nilsen et al. 2021) es Andel, Michael Crowe, Debrah Finkel, and Nancy L Pedersen. 2021. "Job Strain and Trajectories of memory" edited by V Taler. The Journals of Generatories: Series R 76/07/1113-22. doi:





# Work, Family and Health Network (WFHN): An Interdisciplinary Randomized Field Trial

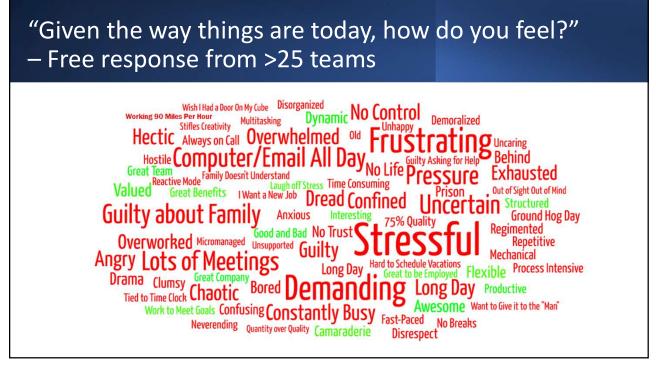


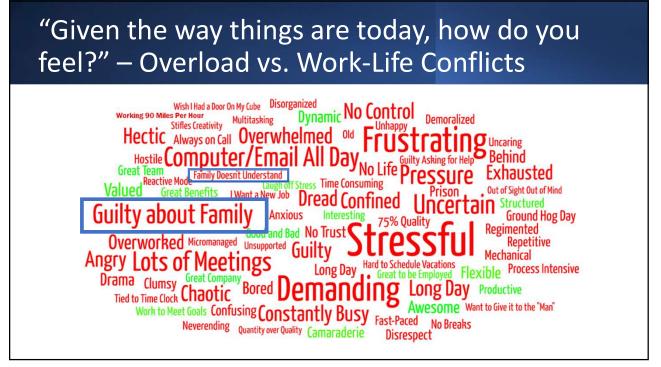
# WFHN Intervention: Getting to Greater Control and Supervisor Support

- What? Work groups reconsider when, where, and how work is done.
  - Collective process vs.
  - individual accommodation
  - (or unexamined intensification of work)
- Why? Dual Agenda = Aim to make work more effective, efficient, and sustainable for all employees.
  - Broadly framed interests vs.
  - family needs or women's struggles

Tool Kits for implementing at www.workfamilyhealthnetwork.org

19





# Effects of Randomized Field Trial: WFHN Intervention

- In IT Corporation: Increased job satisfaction, decreased burnout, stress, psychological distress, work-life conflict; modest increases in sleep duration and quality; reduced turnover and, among respondents 50-64 years: Delayed anticipated date of retirement
- In Nursing homes: Reductions in stress, psychological distress among family caregivers + Reduction in Smoking
- In Both: Intervention improved CRS those with higher baseline CRS. Older employees - significantly larger reductions in CRS



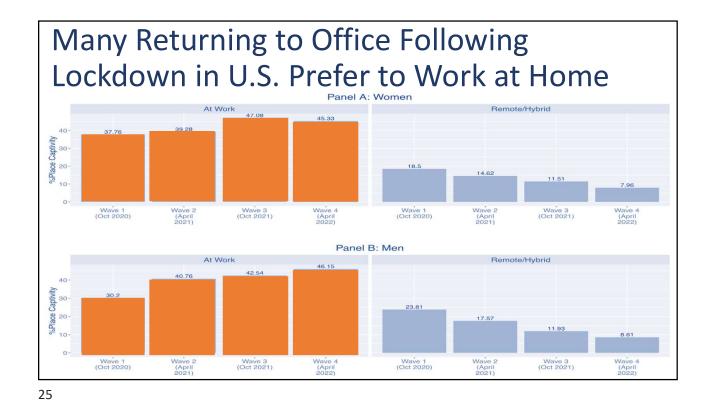
1. Pandemic Catalyzed Remote Work and Retrenchments (Fan & Moen 2022;2023;2024) • Positive impacts of remaining remote/hybrid compared to going back to working at work:

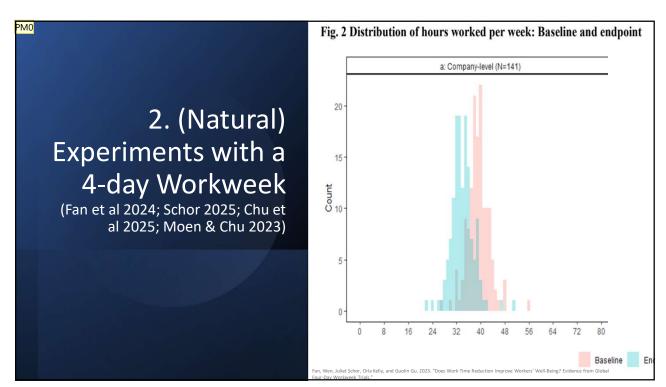
Higher job demands, reduced schedule control in the office

• Remote/hybrid work may bridge some of the gender/racial disparities in job conditions:

- When returning to work, Hispanic and Black women see a greater decline in decision latitude and schedule control
- Hispanic women experience a greater increase in job monitoring when returning to work

 Going back to working at work increases white workers' but reduces Black men's sense of coworker support





#### Slide 26

**PM0** Insert the 4 day work week picture here the one from next slide Phyllis E Moen, 2025-01-04T20:09:34.245



Needed: A Life Course Intersectional Focus on Time, Timing, Trajectories

**1. Timing:** WHEN in the Life course do Certain Characteristics Matter for Cognitive Functioning?

**2. Historical Time:** How are Changes in the Digital, Temporal, and Spatial Organization of Work and Retirement Affecting **Cognitive Ability and Decline?** 

**3. Trajectories:** How are Protective Factors of Education, Income, Wealth Related to Working Conditions and Job Durations? Reverse Causality?



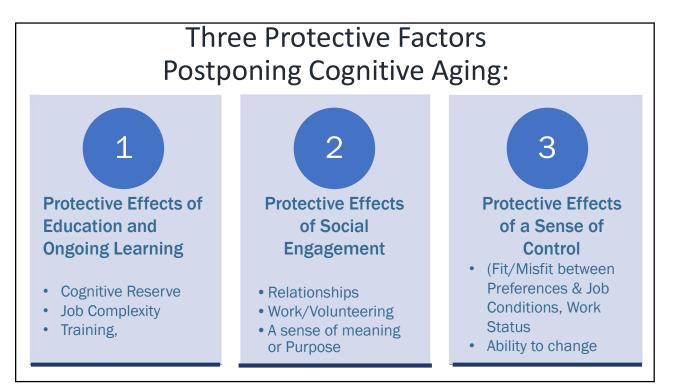
#### Bridge Jobs? Volunteering?

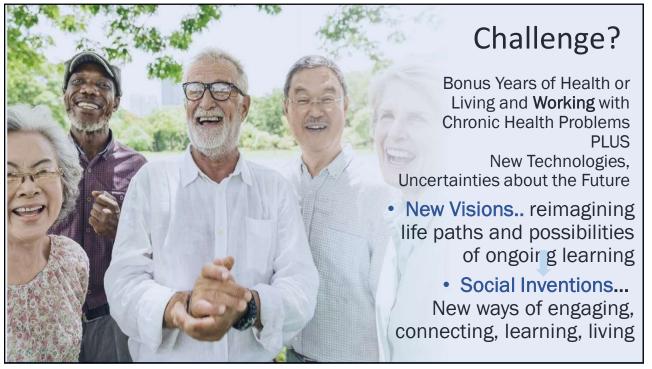
"What I discovered was that I loved working with the kids ...The kids were so generous with their trust and affection. I think that I will be a tutor for as long as they will have me"

-Sarah

Unequal and Gendered Pathways to Retirement in the U.S.

- Black women and men more apt to follow disability pathways
- Older white women generally and white men in their 60s and early 70s more likely to follow parttime path
- Black and Hispanic women more apt to move out of workforce in 50s and 60s for family reasons (Moen, Wang & Flood 2022)









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#### 35

## Acquiescence...

"I hadn't really built a network. And anybody who is in the business now of advising people to seek work are saying, rely on your network, you have built it haven't you? I said no. And then just sort of...like saying sorry friend you're in sad shape. That obviously was an error."

## -Tim



|  |                                       | Study characteri                  | stics                   |                            | Outcomes   |                 |                 |  |
|--|---------------------------------------|-----------------------------------|-------------------------|----------------------------|------------|-----------------|-----------------|--|
|  | Author, publication year<br>Country   | Industry                          | Primary<br>intervention | Quality<br>Study<br>design | Context-   | Work-<br>domain | Work-<br>family |  |
|  | Bloom et al., 2015<br>China           | Call centre                       | Flexible work           | High<br>RCT                | Ť          |                 |                 |  |
| and the second | Kelly et al., 2014<br>United States   | Knowledge                         | Flexible work           | High<br>RCT                |            |                 |                 |  |
|  | Kelly et al., 2011<br>United States   | Knowledge                         | Flexible work           | High<br>OF                 |            |                 | Ť               |  |
|  | Kossek et al., 2017<br>United States  | Healthcare                        | Flexible work           | High<br>RCT                |            |                 |                 |  |
|  | Marino et al., 2016<br>United States  | Healthcare                        | Flexible work           | High<br>RCT                |            | 1               | <b>—</b> †      |  |
|  | Moen et al., 2011<br>United States    | Knowledge                         | Flexible work           | High<br>OE                 | -          | Ť               | Ť               |  |
| and the second | Moen et al., 2016<br>United States    | Knowledge                         | Flexible work           | High<br>RCT                | Ť          | Ť               | 1.              |  |
|  | Moen et al., 2013<br>United States    | Knowledge                         | Flexible work           | High<br>OE                 | Ť          | Ť               |                 |  |
| Flexible Wor   | Nijp et al., 2016<br>Netherlands      | Knowledge                         | Flexible work           | Mod                        |            | Ť               |                 |  |
|  | Albertsen et al., 2014 (3<br>studies) | Healthcare (a)<br>Healthcare (b)  | Self-scheduling         | Mod<br>OE*                 |            |                 |                 |  |
| Q Calcaduling  | Denmark<br>Garde et al., 2012 (3      | Call centre (c)<br>Healthcare (a) | Self-scheduling         | High                       | - <u>-</u> | 1               | i               |  |
| & Scheduling   | studies)<br>Denmark                   | Healthcare (b)<br>Call centre (c) |                         | QE                         | <u>†</u>   | <u>†</u>        |                 |  |
|  | Hansen et al., 2015 (3<br>studies)    | Healthcare (a)<br>Healthcare (b)  | Self-scheduling         | Low                        |            | =               |                 |  |
| Studies  | Denmark<br>Nabe-Nielsen et al., 2011  | Call centre (c)<br>Public/social  | Self-scheduling         | Mod                        | T          |                 | -               |  |
|  | (3 studies)<br>Denmark                | service                           | -                       | QE                         | Ť          | Ť<br>Ť          | -               |  |
|  | Pryce et al., 2006<br>Denmark         | Healthcare                        | Self-scheduling         | Low<br>OE*                 | Ť          | ŕ               | Ť               |  |
|  | Auger et al., 2012<br>United States   | Healthcare                        | Shift change            | Low                        |            | -+              | $-\tau$         |  |
|  | Härmä et al., 2006<br>Finland         | Labour                            | Shift change            | Low                        |            | Ť               | Ť               |  |
|  | Hossain et al., 2004<br>Canada        | Labour                            | Shift change            | Low<br>QE                  |            | Ť               |                 |  |
|  | Innstrand et al., 2004<br>Norway      | Public/social<br>service          | Shift change            | Low<br>QE                  |            | Ť               |                 |  |
|  | Kullberg et al., 2016<br>Sweden       | Healthcare                        | Shift change            | Low<br>QE                  | Ť          |                 |                 |  |
| Kimberly E., Sydney T. Johnson, Lisa F.  | Schiller et al., 2017<br>Sweden       | Call centre                       | Shift change            | Mod<br>RCT                 | 1          |                 |                 |  |
| man, Marjaana Sianoja, Yenee Soh, Laura D.<br>ansky, and Erin L. Kelly. 2022.                                    | Strouse et al., 2003<br>United States | Public/social<br>service          | Shift change            | Low<br>QE                  |            | 1               | V               |  |
| anisational- and Group-Level Workplace<br>ventions and Their Effect on Multiple                                  | Abbreviations                         |                                   |                         |                            | <b>—</b>   |                 |                 |  |

|  | Study characteristics                |                          |  |                            |                  | Outcomes        |           |  |  |
|--|--------------------------------------|--------------------------|--|----------------------------|------------------|-----------------|-----------|--|--|
|  | blication year                       | Industry                 | Primary intervention   | Quality<br>Study<br>design | Context-<br>free | Work-<br>domain | Work      |  |  |
| Bond & Bu<br>United  | nce, 2001<br>Kingdom                 | Public/social<br>service | Job redesign   | Low<br>QE                  | Î                | A               | $ \wedge$ |  |  |
| Bond et al.<br>United  | , 2008<br>Kingdom                    | Call centre              | Job redesign   | Mod<br>QE                  | Ť                |                 | - / \     |  |  |
| Cifre et al.,<br>Spain   | 2011                                 | Labour                   | Job redesign   | Low                        | Ť                | -1              | 11        |  |  |
| Fairbrother  | et al., 2010                         | Healthcare               | Job redesign   | Low                        | 1 1              | Ť               |           |  |  |
|  | Axtell, 2016<br>Kingdom              | Call centre              | Job redesign   | Mod<br>QE                  |                  | Ť               |           |  |  |
|  | Kingdom                              | Knowledge                | Job redesign   | High<br>QE                 |                  | +               |           |  |  |
| 2004 (1 <sup>st</sup>  | & Bommer,<br>of 3 studies)<br>States | Knowledge                | Job redesign   | Low<br>FE                  |                  | Ť               |           |  |  |
| ob & Task  |                                      | Healthcare               | Lean management  | Low<br>QE                  |                  | Ť               | Ť         |  |  |
| No. barbara a  | et al., 2012<br>States               | Labour                   | Lean management  | Low<br>PT/PT               |                  | -t              |           |  |  |
| hange Parker, 200  | 3 (3 studies)<br>Kingdom             | Labour                   | Lean management  | Mod<br>QE                  | +                | Ŧ               |           |  |  |
| tudies   |                                      | Public/social            | Lean management  | High                       | ⊥<br>↑           | Ť               |           |  |  |
| LUCIES (2 studies)   |                                      | service                  |  | RCT                        | Ť                | Ť               |           |  |  |
| 2004 (2n<br>studies)   | & Bommer,<br>d of 3<br><i>States</i> | Knowledge                | Lean management  | Low<br>FE                  |                  | т               |           |  |  |
|  | et al., 2005                         | Public/social<br>service | Staff and material<br>resources  | Low<br>QE                  | Ť                | Ť               |           |  |  |
|  | States                               | Healthcare               | Staff and material<br>resources  | Mod<br>RCT                 |                  | Ť               |           |  |  |
| Liu et al., 2<br>China   |                                      | Labour                   | Staff and material<br>resources  | Mod<br>FE                  |                  | Ť               |           |  |  |
| Rickard et<br>Austra   | lia                                  | Healthcare               | Staff and material<br>resources  | Low<br>QE                  | Ť                | Ť               |           |  |  |
| mberly E., Sydney T. Johnson, Lisa F. Vallières et Sierra                                  | Leone                                | Healthcare               | Staff and material<br>resources  | Mod<br>RCT                 |                  |                 | _ \ /     |  |  |
| an, Marjaana Sianoja, Yenee Soh, Laura D. Venkatesh<br>sky, and Erin L. Kelly. 2022. India | et al., 2010                         | Knowledge                | Staff and material<br>resources  | Mod<br>FE                  | V                | 4               | V         |  |  |
|  | ign: RCT (ran                        |                          | led trial); QE (quasi-experi   |                            | pre-/post-test   | ); FE (field e  | xperime   |  |  |
|  |                                      |                          | <pre>ty); * (process evaluation r ve intervention effect): 1 (statement)</pre> |                            | cant negative    | intervention    | effect)   |  |  |

|   |   | Study characteristics    |                         |                            |                  | Outcomes        |                 |
|---|---|--------------------------|-------------------------|----------------------------|------------------|-----------------|-----------------|
|   | Author, publication year<br>Country                                       | Industry                 | Primary<br>intervention | Quality<br>Study<br>design | Context-<br>free | Work-<br>domain | Work-<br>family |
|   | Amos et al., 2005<br>United States  | Healthcare               | Team dynamics           | Low<br><i>PT/PT</i>        | ( )              | -1              |                 |
|   | Bergman et al., 2015<br>Sweden  | Healthcare               | Team dynamics           | Mod<br>QE                  | Ť                | 1               |                 |
| Relational                                  | DiMeglio et al., 2005<br>United States                                    | Healthcare               | Team dynamics           | Low<br>QE                  |                  | Ť               |                 |
| & Team                                      | Glisson et al., 2006<br>United States                                     | Public/social<br>service | Team dynamics           | High<br>RCT                | Ť                | ↑ (             |                 |
|   | Glisson et al., 2012<br>United States                                     | Public/social<br>service | Team dynamics           | High<br>RCT                |                  | Ť               |                 |
| Dynamics                                    | Kanste et al., 2010<br>Finland  | Healthcare               | Team dynamics           | Low<br>QE                  | -                | <b>—</b> ↑      |                 |
| Studies                                     | Nielsen & Randall, 2009;<br>2012<br>Denmark                               | Healthcare               | Team dynamics           | Mod<br>QE*                 | Ť                | ↑<br>1          |                 |
|   | Tsirikas et al., 2012<br>Greece   | Public/social<br>service | Team dynamics           | Mod<br>QE                  |                  | Ť               |                 |
|   | Tran et al., 2010<br>Australia  | Healthcare               | Team dynamics           | Low<br>QE                  |                  | -               |                 |
|   | Workman & Bommer, 2004<br>(3 <sup>rd</sup> of 3 studies)<br>United States | Knowledge                | Team dynamics           | Low<br>FE                  |                  |                 |                 |
|   | Yeatts & Cready, 2007<br>United States                                    | Healthcare               | Team dynamics           | Low<br>QE                  | $\mathbf{V}$     |                 |                 |
| ox, Kimberly E., Sydney T. Johnson, Lisa F. | Abbreviations   |                          |                         |                            |                  |                 |                 |

|  |   | Study characteristics           |                               |                            |                  |                 | Outcomes        |  |  |  |
|--|---|---------------------------------|-------------------------------|----------------------------|------------------|-----------------|-----------------|--|--|--|
|  | Author, publication year<br>Country   | Industry                        | Primary<br>intervention       | Quality<br>Study<br>design | Context-<br>free | Work-<br>domain | Work-<br>family |  |  |  |
|  | Anderzén & Arnetz, 2005<br>Sweden   | Public/social<br>service        | Participatory and<br>diffuse  | Mod<br>PT/PT               | Î                | î               |                 |  |  |  |
|  | Bourbonnais et al., 2011<br>Canada  | Healthcare                      | Participatory and<br>diffuse  | High<br>QE                 | Ť                | Ť               |                 |  |  |  |
|  | Bourbonnais et al., 2006<br>Canada  | Healthcare                      | Participatory and<br>diffuse  | Mod<br>QE                  | Ť                | Ť               |                 |  |  |  |
|  | Dollard & Gordon, 2014<br>Australia   | Public/social<br>service        | Participatory and<br>diffuse  | Mod<br>QE                  |                  | -               |                 |  |  |  |
|  | Gupta et al., 2018<br>Denmark   | Labour                          | Participatory and<br>diffuse  | High<br>RCT*               | -                | -               |                 |  |  |  |
|  | Hasson et al., 2014<br>Canada   | Knowledge                       | Participatory and<br>diffuse  | Mod<br>QE                  | 1 1              |                 |                 |  |  |  |
|  | Linzer et al., 2015<br>United States  | Healthcare                      | Participatory and<br>diffuse  | High<br>RCT                | 1 1              | -1              |                 |  |  |  |
|  | Linzer et al., 2017<br>United States  | Healthcare                      | Participatory and<br>diffuse  | High<br>RCT                | 1 1              | Ť               |                 |  |  |  |
| Participatory  | Nylén et al., 2017<br>Sweden  | Public/social<br>service        | Participatory and<br>diffuse  | Mod<br>QE*                 |                  | —               |                 |  |  |  |
| articipatory   | Sørensen & Holman, 2014<br>Denmark  | Knowledge                       | Participatory and<br>diffuse  | Mod<br>QE*                 |                  | Ť               |                 |  |  |  |
| tudies   | Strolin-Goltzman et al.,<br>2009<br>United States   | Public/social<br>service        | Participatory and<br>diffuse  | Mod<br>QE                  | 11               | Ť               |                 |  |  |  |
| ituales  | Uchiyama et al., 2013<br>Japan  | Healthcare                      | Participatory and<br>diffuse  | High<br>RCT*               | -                |                 |                 |  |  |  |
|  | Biron et al., 2016 (3 studies)<br>Canada  | Knowledge (a)                   | Participatory but<br>targeted | Mod<br>QE*                 | Ť                |                 |                 |  |  |  |
|  |   | Knowledge (b)<br>Healthcare (c) |                               |                            | Ť                |                 |                 |  |  |  |
|  | Dahl-Jørgensen & Saksvik,<br>2005 (2 studies)<br><i>Norway</i>  | Retail (a)                      | Participatory but<br>targeted | High<br>QE                 |                  | -1              |                 |  |  |  |
|  | Framke et al., 2016   | Healthcare (b)<br>Knowledge     | Participatory but             | High                       |                  | -1              |                 |  |  |  |
|  | Denmark   | 5                               | targeted                      | RCT*                       |                  | -               |                 |  |  |  |
|  | Hall et al., 2008<br>Canada   | Healthcare                      | Participatory but<br>targeted | Mod<br>QE                  |                  | -1              |                 |  |  |  |
|  | Kobayashi et al., 2008<br>Japan   | Labour                          | Participatory but<br>targeted | Mod<br>QE                  | Т                | -t              |                 |  |  |  |
| Simberly E., Sydney T. Johnson, Lisa F.  | Tsutsumi et al., 2009<br>Japan  | Labour                          | Participatory but<br>targeted | High<br>RCT*               | -1               |                 |                 |  |  |  |
| nan, Marjaana Sianoja, Yenee Soh, Laura D.<br>ansky, and Erin L. Kelly. 2022.  | van der Wal et al., 2008<br>Canada  | Healthcare                      | Participatory but<br>targeted | Low<br>PT/PT               |                  | <b>—</b> †      |                 |  |  |  |
| anisational- and Group-Level Workplace<br>ventions and Their Effect on Multiple<br>ains of Worker Well-Being: A Systematic<br>w." <i>Work &amp; Stress</i> 36(1):30–59. doi:<br>380/02678373.2021.1969476. | Abbreviations<br>Study design: RCT (randon<br>PRCS (partially randomised<br>Findings: † (statistically sign | d cohort study); *              | (process evaluation re        | ported)                    |                  |                 |                 |  |  |  |

#### Slide 39

**PMO** Can't do two sets...just one on each ...also can we highlight the up arrows somehow?

Phyllis E Moen, 2025-01-04T15:44:18.193



## Other Forms of Cognitive Activity?



"We defined the exposure of interest to be reading, craft activities, computer activities, playing games, playing music, group activities (e.g., book club), social activities (e.g., going out to movies and theaters), artistic activities, and watching television."

(Zheng et al. 2023)

eng, nui, Natheen Cagney, and Toonyoung Choi. 2025. Predictors of Cognitive Americaning Hajectori among Older Americans: A New Investigation Covering 20 Years of Age- and Non-Age-Related Cogniti Change" edited by K. Latham-Mintus. PLOS CNF 18(2):e0281139. doi: 10.1371/journal.ongo.028113

### What is an Institution?

- Three things make something an institution: language, customs, and body of rules and laws<sup>1</sup>
- "Cognitive, normative, and regulative structures and activities that provide stability and meaning to social behavior. Institutions are transported by various carriers – culture, structures, and routines – and they operate at multiple levels of jurisdiction."<sup>2</sup>
- Social Environment....treated as (unchanging) background
- 1. Biggart & Beamish (2003) The Economic Sociology of Conventions: Habit, Custom, Practice and Routine in Market Order. Annual Review of Sociology 29: 443-464.
- 2. Scott, W. Richard. 1995. Institutions and Organizations. Thousand Oaks, CA: Sage.