- 4 Haar RJ, Wang K, Venters H, et al. Documentation of human rights abuses among Rohingya refugees from Myanmar. Confl Health 2019; 13: 42.
- 5 Human Rights Watch. Bangladesh: internet ban risks Rohingya lives. March 26, 2020. https://www.hrw.org/news/2020/03/26/bangladesh-internet-ban-risks-rohingya-lives (accessed Aug 24, 2022).
- 6 Loy I. Rohingya camp fire: barbed-wire fences blocked escape, witnesses say. The New Humanitarian. March 23, 2021. https://www.thenewhumanitarian. org/news/2021/3/23/rohingya-camp-fire-barbed-wire-fences-blocked-escape (accessed Aug 24, 2022).
- 7 World Food Programme. Bhasan Char rapid food security assessment. July, 2022. https://docs.wfp.org/api/documents/WFP-0000140991/ download/ (accessed Aug 24, 2022).
- 8 Al Jazeera. Bangladesh charges 29 Rohingya over murdered activist Mohib Ullah. Al Jazeera. June 13, 2022. https://www.aljazeera.com/ news/2022/6/13/bangladesh-charges-29-rohingya-over-murdered-activistmohib-ullah (accessed Aug 24, 2022).
- 9 Foxeus N. Buddhist nationalist sermons in Myanmar: anti-Muslim moral panic, conspiracy theories, and socio-cultural legacies. J Contemp Asia 2022; published online April 29. https://doi.org/10.1080/00472336.2022.203280.
- Simons M, Beech H. Aung San Suu Kyi defends Myanmar against Rohingya genocide accusations. The New York Times. Dec 11, 2019, updated May 24, 2021. https://www.nytimes.com/2019/12/11/world/ asia/aung-san-suu-kyi-rohingya-myanmar-genocide-hague.html (accessed Aug 24, 2022).

- 11 Leigh J, Blum A, Petty A, Woods A, Parmar P, Beyrer C. Seeking justice amidst chaos: methods to identify and document individuals implicated in crimes against the Rohingya in August 2017. Confl Health 2022; 16: 9.
- 12 Insecurity Insight. Violence against or obstruction of health care in Myanmar (09–22 February 2022)—Myanmar. 2022. https://reliefweb.int/report/myanmar/violence-against-or-obstruction-health-care-myanmar-09-22-february-2022 (accessed Aug 24, 2022).
- 13 International Crisis Group. Five years on, Rohingya refugees face dire conditions and a long road ahead. Aug 22, 2022. https://www.crisisgroup. org/asia/south-east-asia/myanmar/five-years-rohingya-refugees-face-direconditions-and-long-road-ahead (accessed Aug 24, 2022).
- 14 Vaswani S. Myanmar military leader Min Aung Hliang accused of crimes against humanity. Jurist. Dec 13, 2021. https://www.jurist.org/ news/2021/12/myanmar-military-leader-min-aung-hliang-accused-ofcrimes-against-humanity/ (accessed Aug 24, 2022).
- US Department of State. Secretary Antony J Blinken on the genocide and crimes against humanity in Burma. March 21, 2022. https://www.state.gov/ secretary-antony-j-blinken-at-the-united-states-holocaust-memorialmuseum/ (accessed Aug 24, 2022).
- Hansler J. Biden administration formally determines Myanmar's military committed genocide. CNN. March 22, 2022. https://edition.cnn. com/2022/03/20/politics/biden-administration-myanmar-militarygenocide/index.html (accessed Aug 24, 2022).

## We need to make sure telecommuting does not exacerbate gender disparity





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Global authorities such as WHO and the International Labour Organization have proposed interventions to improve the telecommuting experience, such as establishing work-life boundary strategies, designing ergonomic remote workplaces, and maintaining regular social interactions.¹ However, the potential negative gendered consequences remain under-acknowledged. When women work from home, they report a disproportionate increase in domestic labour, childcare-related disruptions, and declines in productivity and mental health.² If not addressed, teleworking might exacerbate existing gender inequities in career advancement, health, and rights, among others, especially as global telecommuting rates continue to climb throughout 2022 and beyond.¹3.4

In general, women are more likely to telecommute than men, both before<sup>5,6</sup> and after the COVID-19 pandemic,<sup>3,7,8</sup> and women are more likely to report mental health issues. For example, during the COVID-19 pandemic, 62·3% of telecommuting women (vs 42·6% of telecommuting men) in the USA reported two or more new mental health issues after transitioning to remote work.<sup>9</sup> These women reported more depression, loneliness, anxiety, and stress,<sup>2,10</sup> and sharper declines in job satisfaction, engagement, efficiency, and work-life

balance, when compared with men.<sup>11,12</sup> Additionally, women reported higher rates of fatigue than men, due to extra hours spent on unpaid labour (eg, housework, childcare, and eldercare).<sup>10,13</sup> Because telecommuters are generally paid and promoted less than office workers,<sup>1,5,14</sup> the increasing gender gap in telecommuting could exacerbate existing disparities in pay and promotion that women already experience relative to men, in turn negatively affecting women's health.<sup>15,16</sup>

Intersectional factors including socioeconomic and partner employment status can heighten telecommuting-related gender inequity. For instance, mothers with lower earnings and fewer resources to hire domestic helpers, for example, experience steeper increases and heavier burdens of domestic labour<sup>8</sup> and more health issues when compared with high-income mothers, due to their lower income buffer and job security.<sup>9</sup> These consequences are exacerbated for single mothers, who bear substantially higher burdens of domestic labour than telecommuting single fathers and members of dual telecommuting couples.<sup>7,17</sup>

All of this said, telecommuting can empower gender equity if used effectively.<sup>8,18</sup> For instance, telecommuting can help women maintain their usual work hours after childbirth.<sup>18</sup> Before the pandemic, mothers who worked



remotely (typically in private sector jobs) experienced a smaller differential in paid labour hours compared with mothers who worked in person, due to their increased work flexibility. However, the negative gendered consequences (eg, asymmetry in domestic labour, childcare, and health outcomes) must be monitored and eliminated to ensure that telecommuting does not end up doing more harm than good. To this end, we suggest three organisational solutions.

First, when workplace flexibility practices and policies are developed such that they deliberately target traditionally undervalued groups (such as women, mothers, part-time employees, or people with disabilities), the practices and policies themselves become stigmatised-organisations can help to break down this bias by increasing men's or other dominant group telecommuting rates. Organisations can attract more men to telecommuting by creating more hybrid and telecommuting jobs and encouraging people of all genders to apply. One reason men resist telecommuting is the belief that telecommuters have fewer opportunities for training and career advancement, 4.19 so organisations must establish and protect high-quality advancement and training opportunities for employees to engage in during their usual work hours. For example, networking is crucial for creating career opportunities, so organisations must provide tailored and frequent networking opportunities for telecommuters, again during work hours.

Second, organisations must go beyond equality to equity, by providing tailored support to asymmetrically

affected employees, such as telecommuting single mothers. Telecommuting benefits organisations by reducing physical space needs and increasing productivity.<sup>3</sup> Organisations could leverage these gains to establish more robust networks and funding for employees who are disproportionately disadvantaged by teleworking. Many nations (eg, France, Belgium, Spain, Italy, Canada, and Brazil) have recently granted employees the right to disconnect after hours.20 Tailoring this policy to support telecommuting single mothers, for example, might allow them to customise their right to disconnect hours, to minimise domestic distractions and facilitate balance between paid and unpaid labour. Additionally, organisations could provide these mothers with a stipend for paying for domestic helpers or childcare-related services.

Finally, employers must create a culture that enables teleworking women to succeed by initiating and supporting employee-driven teleworking initiatives and the training of managers. Employee-driven initiatives (eg, employee resource groups) allow employees to offer their insights and cocreate solutions. Such initiatives, with the support of the organisation and top management, have effectively increased workplace inclusion by increasing development and networking opportunities for women, employee engagement and satisfaction, and racial and ethnic representation.21 Including employee perspectives in the identification of problems and solutions helps to ensure that organisational responses are appropriate and effective. Furthermore, organisations must make sure that managers understand and are committed to eliminating the gender gaps that can accompany telework. Managers are typically the direct facilitators of organisational initiatives and policies, so careful managerial training is crucial to the success of teleworking<sup>22</sup> and inclusivity<sup>23</sup> policies. Training might include getting middle and top management to proactively design accommodations such as increased flexibility in work extensions for women who have an increase in domestic responsibilities, limiting or eliminating after-hours work engagements, and assigning office housework and unpromotable tasks that are typically completed by women (ie, service and support work such as taking notes and organising meetings) more equally.

Telecommuting represents an exciting modernisation of work that is associated with many potential benefits,

but organisations must understand and address the gendered consequences that might curtail decades of hard-won gains in gender equity. The workplace exodus towards telework is still a recent occurrence, so continued monitoring of resulting health and equity outcomes is crucial. Future research should continue to examine how telecommuting affects gender-specific facets of health, as well as women's long-term career prospects and economic security. Finally, as the bulk of current research on telecommuting originates during COVID-19, it will be prudent to monitor and adapt policy and practice as we hopefully emerge from this pandemic and establish longer-term work norms.

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- 1 Amster Y. Healthy and safe telework: a WHO/ILO technical brief. Saf Health Work 2022; 13: S303–04.
- 2 Lyttelton T, Zang E, Musick K. Gender differences in telecommuting and implications for inequality at home and work. SSRN 2020; published online July 17. https://papers.ssrn.com/sol3/papers.cfm?abstract\_id=3645561 (preprint).
- 3 Barrero JM, Bloom N, Davis SJ. Why working from home will stick. Cambridge, MA: National Bureau of Economic Research, 2021.
- 4 Buffer. State of remote work. 2022. https://buffer.com/state-of-remotework/2022 (accessed May 17, 2022).
- 5 Noonan MC, Estes SB, Glass JL. Do workplace flexibility policies influence time spent in domestic labor? J Fam Issues 2007; 28: 263–88.
- 6 Bick A, Blandin A, Mertens K. Work from home before and after the COVID-19 outbreak. SSRN 2021; published online Feb 17. https://papers. ssrn.com/sol3/papers.cfm?abstract\_id=3786142 (preprint).
- 7 Chung H, Birkett H, Forbes S, Seo H. Covid-19, flexible working, and implications for gender equality in the United Kingdom. Gend Soc 2021; 35: 218–32.
- 8 Zang E, Tan PL, Lyttelton T, Guo A. Impacts of the COVID-19 lockdown on gender inequalities in time spent on paid and unpaid work in Singapore. SSRN 2021; published online March 22. https://papers.ssrn.com/ abstract=3809482 (preprint).

- 9 Xiao Y, Becerik-Gerber B, Lucas G, Roll SC. Impacts of working from home during COVID-19 pandemic on physical and mental well-being of office workstation users. J Occup Environ Med 2021; 63: 181–90.
- 50 Şentürk E, Sağaltıcı E, Geniş B, Günday Toker Ö. Predictors of depression, anxiety and stress among remote workers during the COVID-19 pandemic. Work 2021; published online May 13. https://content.iospress.com/articles/work/wor210082 (preprint).
- 11 Feng Z, Savani K. Covid-19 created a gender gap in perceived work productivity and job satisfaction: implications for dual-career parents working from home. Gend Manag 2020; 35: 719–36.
- 12 Rožman M, Sternad Zabukovšek S, Bobek S, Tominc P. Gender differences in work satisfaction, work engagement and work efficiency of employees during the COVID-19 pandemic: the case in Slovenia. Sustainability (Basel) 2021; 13: 8791.
- 13 Oakman J, Kinsman N, Stuckey R, Graham M, Weale V. A rapid review of mental and physical health effects of working at home: how do we optimise health? BMC Public Health 2020; 20: 1825.
- 14 Bloom N, Liang J, Roberts J, Ying ZJ. Does working from home work? Evidence from a Chinese experiment. Q J Econ 2015; 130: 165–218.
- 15 Platt J, Prins S, Bates L, Keyes K. Unequal depression for equal work? How the wage gap explains gendered disparities in mood disorders. Soc Sci Med 2016; 149: 1–8.
- 16 Pascoe EA, Smart Richman L. Perceived discrimination and health: a metaanalytic review. Psychol Bull 2009; 135: 531-54.
- 17 Dunatchik A, Gerson K, Glass J, Jacobs JA, Stritzel H. Gender, parenting, and the rise of remote work during the pandemic: implications for domestic inequality in the United States. Gend Soc 2021; 35: 194–205.
- 18 Chung H, van der Horst M. Women's employment patterns after childbirth and the perceived access to and use of flexitime and teleworking. Hum Relat 2018; 71: 47–72.
- 19 Pelta R. Survey: men & women experience remote work differently. 2022. https://www.flexjobs.com/blog/post/men-women-experience-remote-work-survey/ (accessed May 17, 2022).
- 20 Government of Canada. Final report of the right to disconnect advisory committee. 2022. https://www.canada.ca/en/employment-social-development/corporate/portfolio/labour/programs/labour-standards/reports/right-to-disconnect-advisory-committee.html#h2.02 (accessed July 1, 2022).
- 21 Stanford FC. The importance of diversity and inclusion in the healthcare workforce. I Natl Med Assoc 2020: 112: 247–49.
- de Laat K. Remote work and post-bureaucracy: unintended consequences of work design for gender inequality. ILR Review 2022; published online Feb 14. https://doi.org/10.1177/00197939221076134.
- 23 Ashikali T, Groeneveld S, Kuipers B. The role of inclusive leadership in supporting an inclusive climate in diverse public sector teams. Rev Public Person Adm 2021; 41: 497–519.