## 3. Full extraction tables for included studies

## 3.1 Full extraction tables for peer reviewed papers

Author	Study design	Population	Outcome	Aims	Results	Conclusion	Limitations / notes
Year	Analysis		measures		Key messages		
Country							
Allen	Online survey	People aged	COVID-19	"to explore how	Participants working from home did not	"In summary,	Self-report data,
2021	(recruited	18+.	concerns –	social, economic	significantly different on wellbeing-	individuals self-	recruitment through
UK	through social	N = 200	assessed	and	related outcome measures.	isolating and/or facing	social media and for
	media and	Mean age	using a	occupational		reduced income	course credit through
	university	24.7 (SD 7.2)	bespoke 7-	disruption and	"A linear regression model with self-	reported greater	the university. Three
	courses (for	years,	item	appraisal of the	isolation predicting PWB18 scores was	deficits in	quarters of
	course	86% female,	measure (0-	COVID-19	significant [F(1,186) = 20.53, p< .001]	psychological well-	participants were
	credit)). Data	93% White,	5 scale, high	pandemic may	and remained significant with the	being, whereas those	students, so may not
	collected	93% UK-	score	have influenced	addition of GAD7, PHQ9 and UCLA3	working from home	be representative. Also
	between 15 <sup>th</sup>	based,	indicates	psychological	scores [F (4,183) = 43.91, p< .001]	reported a potential	predominantly White
	April and $8^{tn}$	74% students,	greater	well-being,	predicting an additional 39.0% of the	behavioural shift	and female. Some
	June 2020.	71%	concerns	anxiety,	variance, however self-isolation ( $\beta$ =	towards later diurnal	potential confounders
		employed,	validated).	depression,	<ul> <li>162, p= .004) and UCLA3 scores (β =</li> </ul>	preference. Concerns	were not measured,
	Differences on	92%		loneliness,	596, p< .001) were the only significant	about the pandemic	e.g. health status. Data
	outcomes	cohabiting.	Psychologica	insomnia and	predictors."	were also associated	collection occurred in a
	between		I wellbeing –	diurnal		with poorer mental	dynamic pandemic
	groups	47.0%	assessed	preference"		health and sleep.	situation, and
	(organised by	reported	using the			These findings	restrictions were
	'shift in	working from	PWB18			highlight the need to	changed during the
	lifestyle'	home.	measure (18			tackle psychological	data collection period,
	questions,		items			well-being and	which may have
	including		relating to 6			loneliness as priority in	affected findings.
	working from		aspects of			the aftermath of the	
	home) were		wellbeing			pandemic and the	
	analysed using		and			potential positive	
	one-way		happiness,			effect of remote	
	ANOVAs and		1-7 scale,			working on sleep	
	independent		score range			should be considered	

t-tests, with	18-126,		by employers and	
potential	higher		policy makers during	
mediation	scores		the transition to the	
assessed usi	ng indicate		'new normal'."	
linear	greater			
regression.	wellbeing,			
	validated).			
	Anxiety –			
	assessed by			
	the GAD-7			
	scale (7			
	items, 0-3			
	scale, scores			
	range 0-21,			
	higher			
	scores			
	indicate			
	greater			
	anxiety,			
	validated).			
	Depression –			
	assessed by			
	the PHQ-9 (9			
	items, 0-3			
	scale, scores			
	range 0-27,			
	with higher			
	scores			
	indicating			
	greater			
	depression).			
	Loneliness –			
	assessed by			

		1					
			the UCLA				
			loneliness				
			scale				
			(UCLA3, 20				
			items, 1-4,				
			scores range				
			20-80,				
			higher				
			scores				
			indicate				
			increased				
			loneliness).				
			Insomnia –				
			assessed by				
			the SCI (8				
			items, 0-6,				
			scores range				
			0-32, higher				
			scores				
			indicate				
			better				
			sleep).				
			Diurnal				
			preference				
			was also				
			assessed				
			(not				
			extracted).				
Alpers	Online survey,	Random	Alcohol	"to investigate	Self-assessed increased alcohol	"more than half of	Response rate of 36%
2021	available	sample of	consumptio	various patterns	consumption during the lockdown	respondents reported	(32% with valid
Norway	between 15	adult	n – assessed	of alcohol	period was more frequently reported by	hazardous drinking	answers), possibility of
	April and 30 <sup>th</sup>	residents in	through the	consumption	people working or studying from home	behaviour and one-	selection bias. There
	April 2020	Bergen.	AUDIT-C	and its	(OR 1.4, 95% CI 1.3-16) (as well as those	tenth reported	were no changes in
			(measures	association with	reporting economic worries and in	increased alcohol	COVID-19 restrictions

Self-assessed	N = 25,708	frequency of	COVID-19	quarantine).	consumption during	during the data
increased	(with valid	drinking,	related impacts		the pandemic	collection period.
alcohol	answers)	typical	and worries"		lockdown period.	Recruitment was
consumption	Aged 18+	quantity			Increased alcohol	conducted using a
was estimated		consumed,			consumption was	national registry, which
using a	56% female,	and			particularly common in	was randomly
multiple	13% aged 18-	frequency of			the age group of 30–39	sampled. Large sample
binary logistic	29, 16% aged	heavy			years, among people	improves
regression	30-39, 18%	drinking,			with economic worries	generalisability.
model.	aged 40-49,	scored on 0-			due to COVID-19, and	WFH was conflated
	21% aged 50-	4 scale,			among those who	with studying from
	59, 18% aged	scores range			were placed in	home. The period of
	60-69, 14%	0-12, higher			quarantine or working	data collection (late
	aged 70+,	scores			or studying from	April, just after Easter)
	49% working /	indicate			home. This could be	is typically associated
	studying at	greater			important information	with increased alcohol
	home	consumptio			for policymakers to	use. Those with no
		n, cut-offs of			keep in mind when	internet access and
		3 for women			revising measures to	who did not speak
		and 4 for			tackle pandemics."	Norwegian would have
		men indicate				been excluded from
		consumptio				the survey.
		n above				
		recommend				
		ations).				
		Also				
		assessed				
		mean units				
		consumed				
		per week.				
		Health				
		worries –				
		assessed				
		with a scale				
		containing				

Anderson 2014	Survey on 4 days including	Large US federal	items on how COVID- 19 may affect own or others' health, wit response options SA, A and D. If at least one item was answered SA, health worries score was 1, otherwise scored 0. Job-Related Affective	To explore whether	Respondents generally had fairly high levels of positive affect(M = 3.74, SD	The relationship between telework	Rumination is a way of coping
USA	at least 1 teleworking day.	Agency N=102 Average telework 2.88 days per week. 50% F 3.65% < 25, 25.61% 26-35, 19.51% 36-45, 28.05% 46-55, and 20.73% 56-65 years old.	Well Being Scale – positive and negative affect wellbeing (PAWB/NA WB). Also measured: openness to experience, trait rumination and sensation seeking,	work location influences employees' emotional wellbeing and if it does, for whom?	<ul> <li>= .81) and low negative affect (M = 2.33,SD = .95) when averaging across the 4 days.</li> <li>Only two of the individual difference variables were significantly correlated (social connectedness and rumination, r = .36, p &lt; .01). Employees had average levels of sensation seeking (M = 2.88, SD = .57), openness to experience (M = 3.38, SD = .29), and social connectedness outside of the workplace (M = 3.35, SD = .40), and somewhat low levels of trait rumination (M = 2.07, SD = .58).</li> <li>Openness moderated the relationship</li> </ul>	and positive affect was more strongly positive for individuals higher in openness to experience, lower in trait rumination, and with greater social connectedness. Those with higher levels of social connectedness had a more strongly negative relationship between telework and NAWB.	with negative emotions that involves repetitive and passive attention on one's negative emotion and the meaning of one's negative feelings.

			social connectedn ess outside the workplace		between teleworking and positive affect (more positive as openness increased ( $\gamma = .74, p < .05$ ) but openness does not influence the telework–negative affect relationship. Telework–positive affect relationship becomes more negative as trait rumination increases ( $\gamma =38, p < .01$ )., but it does not moderate the telework– negative affect relationship. The relationship between telework and positive affect is moderated by one's social connectedness outside of the workplace such that the relationship becomes more positive as social connectedness increases ( $\gamma = .75, p < .001$ ), also individuals experience less negative affect while teleworking as social connectedness increases; $\gamma =73, p < .01$ ).		
Argus	Online survey,	Office	Musculoskel	"The aim of this	There were no statistically significant	"Maintaining habitual	Pre-COVID-19 PA
2021 Estavia	May to June	workers,	etal pain	study was to	afferences in the prevalence of MSP	physical activity level	assessed
Estonia	2020.	working with a	(IVISP) –	evaluate the	before and during the COVID-19	and preparing a more	retrospectively.
		computer ≥6	assessed by		total	comfortable and	PA was self-reported.
	Analysed with	nours a day,	a modified	COVID-19	total.	ergonomic workspace	A correlation matrix
	descriptive	ageu 18-60	Musculoskal		Solf reported DA was significantly lower	can play a role in a	was not provided and
	naired t-test	years	atal	in	during than before the lockdown in	working from home"	correlations were not
	Chi squared	N = 161	Questionnair	musculoskalatal	terms of sport-related PA (mean change		nresented nor
	test and	14 - 101	e records	nain (MSP)	in BPAI -0.52 SD 0.98 95% CI -0.67 to -		discernible
	Pearson	64.6% female.	MSP in	physical activity	0.37, p < 0.001. Cohen's d = 0.42 (small		Intensity of pain was
	i cuison	04.070 icinale,		physical activity			incensity of pulli was

correlation coefficients.	Mean age 38.2 (SD 9.5) years, From 10 organisations within the telecommunic ation, banking and IT sectors.	different body regions with prevalence in previous 7 days or 6 months, with the following (modified) response options: (1) no pain, (2) onset 3 months before lockdown, with the pain disappearing during the lockdown,	(PA), workplace properties, and their in- between relationships among office workers."	effect)) and total PA (mean change in BPAI -0.41, SD 1.37, 95% CI -0.62 to - 0.19, p < 0.001, Cohen's d = 0.26 (small effect)), but not leisure-time PA (mean change in BPAI -0.07, SD 0.59, 95% CI - 0.16 to 0.02, p = 0.15, Cohen's d = 0.11), and work-related PA significantly increased (mean change in BPAI 0.18, SD 0.54, 95% CI 0.10 to 0.26, p < 0.001, Cohen's d = 0.50 (medium effect)). There was a significant negative correlation between change in self- reported sports-related PA and change in the numbers of body regions with MSP during the lockdown (r = -0.206, p < 0.01). The number of body regions with MSP onset during the lockdown was also negatively correlated with change in workplace comfort score (r = -0.262, p < 0.001) and change in workplace ergonomics score (r = -0.231, p < 0.01).	not measured, and neither were mental health issues. Period of time since lockdown may have been insufficient for MSP symptoms to appear. Some other confounders not assessed, for instance the presence of children in the home during lockdown.
	years,	with	their in-	0.19, p < 0.001, Cohen's d = 0.26 (small	health issues.
	organisations	in previous 7	relationshins	change in BPAL-0.07 SD 0.59 95% CL-	lockdown may have
	within the	days or 6	among office	0.16  to  0.02  n = 0.15  Cohen's d = 0.11	heen insufficient for
	telecommunic	months	workers "	and work-related PA significantly	MSP symptoms to
	ation hanking	with the	workers.	increased (mean change in BPALO 18, SD	annear
	and IT sectors	following		0.54, 95% CI 0.10 to 0.26, p < 0.001	Some other
	and it sectors.	(madified)		0.54, 95% Cl $0.10$ ( $0.20, p < 0.001$ ,	some other
		(modified)		Cohen's d = 0.50 (medium effect)).	contounders not
		response			assessed, for instance
		options: (1)		There was a significant negative	the presence of
		no pain, (2)		correlation between change in self-	children in the home
		onset 3		reported sports-related PA and change	during lockdown.
		months		in the numbers of body regions with	
		before		MSP during the lockdown (r = -0.206, p <	
		lockdown,		0.01). The number of body regions with	
		with the		MSP onset during the lockdown was also	
		pain		negatively correlated with change in	
		disappearing		workplace comfort score (r = -0.262, p <	
		during the		0.001) and change in workplace	
		lockdown.		ergonomics score (r = $-0.231$ , p < $0.01$ ).	
		(3) onset			
		during the			
		lockdown,			
		and (4)			
		onset before			
		the			
		lockdown .			
		but the pain			
		is still			
		nersistent			
		Physical			
		activity (PA)			
		assesseu			

			by the				
			Baecke				
			Physical				
			Activity				
			Questionnair				
			e (BPAQ), 16				
			items and 3				
			parts: work-				
			related PA,				
			sport-				
			related PA,				
			leisure-time				
			PA, index for				
			each section				
			calculated				
			and scores				
			summed as				
			Baecke				
			Physical				
			Activity				
			Index (BPAI).				
			Assessed 3				
			months				
			before				
			coronavirus				
			(retrospectiv				
			ely) and				
			during				
			lockdown.				
			Also				
			assessed				
			work				
			environment				
			(at home).				
Bennett	Online survey	Individuals	Videoconfer	To "examine the	Qualitative findings emphasised that	"videoconferences at	Fatigue following video

2021	with closed	working in a	ence fatigue,	nature of	videoconference fatigue is a unique	different times of the	conferences was
US	(quantitative)	range of	measured	videoconferenc	construct, characterised by feeling	day are related to	compared with what
	and open-	industries.	using the	e fatigue, when	"exhausted, fatigued, tired, drained, or	deviations in employee	may be expected
	ended	N = 55	fatigue item	this	worn out".	fatigue beyond what is	based on typical
	(qualitative)	58% male,	from the	phenomenon		expected based on	fatigue trajectories,
	questions.	73% White,	Profile of	occurs, and	Aim 1: When does videoconference	typical fatigue	and there was no
	Cross-	mean age 33.6	Mood States	what	fatigue occur?	trajectories turning	comparison with
	sectional (over	years (SD 9.1),	scale, scored	videoconferenc		off the microphone	fatigue following face-
	5 days).	mean hours	on a 6-point	e characteristics	Videoconference meetings were	and having higher	to-face meetings.
		worked = 43.8	scale.	are associated	associated with higher fatigue at certain	feelings of group	
		per week (SD		with fatigue	times of the day, with more instances	belongingness are	Strengths of this study
		6.5).	Predictors	using a mixed-	occurring later in the day, and lower	related to lower post-	include the mixed
			were:	methods	fatigue around/just after lunchtime.	videoconference	methods approach and
		Located in the	attention,	approach"		fatigue [and] higher	diverse sample of
		Eastern US	webcam off,		In qualitative data, participants reported	levels of group	industries.
		time zone,	microphone		being particularly fatigued by multiple	belongingness are the	
		working from	off, watches		(including consecutive) videoconference	most consistent	
		home in some	self, group		meetings.	protective factor	
		capacity due	belongingne			against	
		to the COVID-	ss (from the			videoconference	
		19 pandemic,	Work group		Aim 2: which videoconference	fatigue. Such findings	
		≥18 years old,	interaction		characteristics are associated with	have immediate	
		work ≥20	scale),		fatigue?	practical implications	
		hours per	meeting			for workers and	
		week, have	duration,		Muting the microphone ( $\gamma =09$ ,	organizations as they	
		remote	work past		p = .02) and perceptions of group	continue to navigate	
		meetings	hour and		belongingness ( $\gamma$ =21, p = .003) were	the still relatively new	
		planned for	videoconfer		negatively related to fatigue (i.e., were	terrain of remote	
		the week of	ence		associated with lower fatigue, whereas	work."	
		data	meeting		turning the webcam off, attention		
		collection.	(number of		during the meeting, and		
		Incentivised	meetings		videoconference meeting duration were		
		with gift	since last		not significantly related to post-meeting		
		cards.	survey, most		fatigue. The authors tested the		
			recent		interaction between muting and		
			meeting).		perceptions of belongingness (which		

		were significantly negatively correlated	
	First aim	with each other: $45$ , p < 0.05) in a	
	(when	multilevel regression, and the	
	videoconfer	interaction was significant: "mute levels	
	ence fatigue	do not impact fatigue at high levels of	
		group belongingness indicating the	
	tested	importance of group belongingness to	
	through a	reduce videoconference fatigue. For	
	quadratic	individuals with low group	
	growth	helongingness not using the mute	
	model	function has a compensatory effect	
	Second aim	meaning that meeting attendees who	
	(which	reported lower group belongingness but	
	characteristi	had their microphone on (i.e., less mute)	
	characteristi	experienced less fatigue post-meeting "	
	associated	experienced less latigate post meeting.	
	with	Qualitative data revealed that a key	
	videoconfer	factor is the effort that was required to	
	ence	sustain attention and avoid distractions	
	fatigue)	Interestingly unlike the quantitative	
	examined	data participants spoke about baying	
	using multi-	the camera on as a source of fatigue	
		Darticipants also noted that more effort	
	regression	was required in fostering personal	
	modelling	connections during videoconferences	
	modelling.	which could also impact on fatigue, and	
	Open-ended	that turning on the webcam could aid	
	response	this connection	
	woro		
	analysed		
	using		
	thomatic		
	dialysis (Proup &		
	method),		

			informed by				
			the				
			Attention				
			Restoration				
			Theory.				
Bentham	Online and	People	Wellbeing,	"to quantify the	"An independent samples Kruskal-Wallis	"CAMHS clinicians	Response rate not
2021	paper survey,	working in a	assessing	impact of the	H-test showed no statistically significant	require additional	reported.
UK	administered	CAMH service	using the	COVID-19 virus	differences in wellbeing score based on	support, training, and	Cross-sectional,
	4 <sup>th</sup> to 12 <sup>th</sup> May	(including	Warwick-	on adaptations	the proportion of hours worked	guidance during a	therefore unclear if
	2020.	medical,	Edinburgh	to CAMHS	remotely during the pandemic ( $\chi^2$ (4) =	pandemic to promote	there has been a
		psychological,	Mental Well-	working	4.45; p = 0.349). However, the	mental wellbeing and	change from pre-
	Comparisons	therapy,	Being Scale	practice	proportion of remote working was	effectiveness in	pandemic, and also
	made using	nursing, and	(WEMWBS),	including	associated with COVID-19 worry ( $\chi^2$ (4) =	completing clinical	unclear if wellbeing
	non-	social work	14 items,	workforce	12.26; p = 0.016). Post hoe analysis	tasks."	during pandemic
	parametric	clinicians.)	scores range	perceptions of:	(Bonferroni-corrected) indicated that		values are normative
	tests and		14-70 (high	(1) the primary	clinicians working from home for 100%		for pandemic
	qualitative	N = 51	score	method of	of contracted hours experienced		wellbeing.
	responses		indicates	delivery of	significantly higher levels of COVID-19		No possibility of
	were analysed	72.5% female,	high	clinical contacts,	worry (median= 7; IQR: 7-8) than those		following up on
	using thematic	0% aged ≤25,	wellbeing).	(2) the ability to	working from home for only 25% of		qualitative responses
	analysis.	29.4% aged		undertake	hours (median = 4; IQR: 2.5-6; adjusted		with further questions
		35-44, 23.5%	Also elicited	clinical roles, (3)	p = 0.046). Due to the additional burden		as in an interview.
		aged 45-54,	views on	the supportive	of caring responsibilities, it was also		Protective factors were
		15.7% aged	current	structures in the	proposed that clinicians working from		mentioned in the
		55-64 and 2%	working	service, and (4)	home with children would have lower		qualitative responses,
		aged ≥65	environment	outstanding	levels of wellbeing, however, no		but were not
		years.	and	needs to work	significant differences were observed		quantified in the
		31.4% nursing	perceptions	effectively"	between those with and without		survey.
		staff, 9.8%	of children's		dependents (U = 172.5; p = 0.161)."		
		medical staff,	and families'				
		47.1%	service				
		therapists,	needs.				
		2.0% social					
		workers, 9.8%					
		not disclosed					
		profession.					

Deption		39.2% working full time, 56.9% part- time, 3.9% not disclosed.	Cocial	"to everying the	Tolowerk intensity was not significantly	"Those findings	
2016 New Zealand	Path analysis,	workers across a wide	isolation, assessed	role of organisational	correlated with social isolation or psychological strain.	suggest that providing the necessary	sampling frame. Cross-sectional.
	using Partial	range of	using the	social support		organisational and	Only a small
	Least Squares-	sectors	Golden et al.	and specific	In the path analysis, psychological strain	teleworker support is	proportion of the
	Structural	N - 904	(2008) scale,	support for	was significantly predicted by	Important for	sample teleworked >3
	Equations	N = 804	7 items,	influencing	organisational social support (this did	toloworkor	days per week.
	Wodening	47% female.	validated.	teleworker	and low telework) and teleworker	environment fit and	
		Mean age	Psychologcia	wellbeing, the	support (although this was only	thereby ensuring	
		30.9 (SD 11.4),	l strain,	mediating role	significant in the whole sample and not	desirable telework	
		87% full time,	assessed	of social	in the hybrid and low telework sub-	outcomes."	
		58% non-	using the	isolation,	samples).		
		managerial,	GHQ-12,	potentially			
		8% first-line	validated.	resulting from a	Social isolation was significantly		
		managers /		person-	predicted by organisational social		
		supervisors,		environment	support (to a significantly greater extent		
		26% middle		mismatch in	in hybrid telework) but not teleworker		
		managers, 8%		these	support.		
		senior		and possible			
		N=509		differences in			
		teleworked 1-		these			
		7 hpw [low		relationships			
		telework		between low-			
		intensity] and		intensity and			
		n=295		hybrid			
		teleworked		teleworkers"			
		≥8hpw [hybrid					
		telework					
		intensity].					

		6% teleworked >3					
		days per week.					
Boncori 2020 UK	Feminist reflection (auto- ethnography?) , qualitative (stream of consciousness )	One female academic	The experiences of living and working during the COVID-19 pandemic (early stages). Only content related to working from home and wellbeing has been extracted.	To offer "a feminist reflection written as a nocturnal stream of consciousness exposing the embodied, emotional and professional experience of living and working during a pandemic outbreak"	"My emotions send shock waves on the frayed surface of my consciousness. My many identities and conflicting priorities overlap in waves - daughter who must care from a distance for my elderly and ill parents in Italy; female academic in a quest for professorship; senior leader with responsibility to take forward a plan of action to counteract the negative impact of COVID-19 on our community and organization; mother who wants to spend quality time with her child; wife who treasures every moment with her partner; homeowner with walls to repair; chef with meals to plan; over- planner with anxiety to manage I try to stay positive and count my many blessings; I try in vain to free my mind and my heart. How long will this last? Have we found an alternative for practical assessment in that department? How are we meeting stubborn external accreditation requirements under lockdown? How can we support students in difficult situations? Is the leftover sauce still edible for lunch? Do we have enough nappies in the cupboard? Do we have enough paracetamol to keep her fever down in case she has febrile convulsions again? What time is my first meeting tomorrow? I need to cancel the dentist."	"And so I make a promise to myself to think more effectively of new ways of living and organizing within the current circumstances, to create solutions that stem from feminist values in order to foster collective and individual approaches based on respect, solidarity and support. And feminist re-actions to life in today's organizations, in this case specifically within the academic context, also include writing differently, honestly and instinctively about the emotional, embodied and contested experiences of people at work; we need stories that explore the current increasingly ambiguous space of 'the workplace', to open up spaces of awareness,	This paper focuses on the lived experience of one person, and thus has very limited generalisability. Nevertheless, it contains great depth of insight into these experiences of working from home and the potential wellbeing implications, and thus can form part of the bigger picture. There is little information on how the data were collected and analysed.

			dialogue and	
		"The next menth is really having an	togetherpose "	
		The past month is really having an	togethemess.	
		emotional toll on me. I need some time		
		to recover, to do nothing, to read and		
		exclude myself from the world. This		
		forced isolation is actually enforcing a		
		complete blurring of boundaries; and, if		
		there ever was any distance before,		
		there is now complete overlap in my life		
		<ul> <li>no more hyphen or separation in</li> </ul>		
		'work-family balance', and definitely no		
		balance at all. I feel guilty for being so		
		selfish in my unarticulated prayers		
		focused on the wellbeing of my family,		
		my ability to provide for them and		
		others, and recognition for my efforts.		
		There are more urgent needs, more		
		disadvantaged environments, more		
		naralysing tragedies "		
		"At this time of social distancing online		
		socializations have become even more		
		important through video phone calls		
		made not only with relatives far away		
		hut also with colloagues and friends		
		from work who share virtual coffees		
		with me, their inconvities and form		
		with me, their insecurities and rears,		
		their spaces and personal		
		environments."		
		<i>"</i>		
		"Staff have been told from the start of		
		our communications regarding COVID-		
		19 that our wellbeing and our families		
		are recognized priorities, so people who		
		need to stay home due to caring		
		responsibilities and self-isolation will		

	continue to be paid, capital investment	
	continue to be paid, capital investment	
	has been put second to people's jobs. I	
	am proud of the decisions we have	
	taken and the calls we have made to	
	protect our community so far. We were	
	given tools and equipment to work from	
	home, training is available and flexible	
	support is plentiful, but that seems to be	
	a rare occurrence in our industry Only	
	four days ago the Prime Minister asked	
	people to remain home and imposed	
	restrictions on movement. We don't	
	know for how long this pandemic	
	emergency may continue. This is an	
	unprecedented level of insecurity and it	
	makes managing and supporting others	
	even more challenging."	
	"Last week, the first two days of working	
	from home I had six and eight hours of	
	virtual meetings, respectively. It feels	
	like it's getting a bit better this week.	
	but work at the moment is intensive and	
	tiring These meetings were urgent	
	strategic and encansulated within a	
	framework that had been developing	
	over the previous four weeks: approving	
	hundreds of alternative assessment	
	methods in each of the seven	
	departments Lam responsible for:	
	consolving now courses that may attract	
	students: ro enviseding ways to teach	
	and loarn in this new university contexts	
	and rearring namic and stress from a	
	number of staff, providing advice and	
	number of starr; providing advice and	
	reassurance; selling projects we	

i

		prioritized. What will the effects be on	
		my career? Am I selfish for thinking	
		about my future at this time? Of course,	
		this is the year when I decided to finally	
		put in an application, and all promotions	
		have been postponed. Hopefully not	
		cancelled. Will I need to ask for an	
		extension to deliver the book	
		manuscript next year? What happens if	
		my co-author and I are asked to do	
		further work this summer on the paper	
		we submitted last month? Most of my	
		books and resources are in my office.	
		Internet services are slow and	
		overwhelmed, and systems are limited.	
		Even doing literature research for this	
		piece seems an unsurmountable	
		mountain, so I give up – maybe my own	
		life tale will be enough "	
		"The emotional labour involved in doing	
		this work is unprecedented for me. My	
		father pointed out that this type of	
		activity is what I am hest suited for	
		what I thrive in the time where my best	
		skills come out. He cays I have always	
		been particularly good at chifting into	
		action and 'going up a goar' in times of	
		action and going up a gear in times of	
		the best of me. Luish it folt that way for	
		the best of me. I wish it feit that Way for	
		me too. But I do feel somewhat proud,	
		almost honoured i d say, to be in a	
		position whereby I can support others	
		and make a difference, even if it is a	
		challenging time."	

"This form of working from home and	
digitalization of tacks and relationships is	
autromoly shallonging Loop my hyshand	
extremely challenging. I see my husbahu	
delivering teaching and assessment	
online, supporting colleagues who have	
never had experience of this, having to	
catch up on knowledge and technology	
hardly ever heard of before, and balance	
it all off with his own studies, family life	
and childcare. If life commitments and	
work are two shifts in a woman's life, as	
articulated in the book by Arlie Russell	
Hochschild with Anne Machung, this	
new way of working in times of	
pandemic emergency feels like 'The	
Never-ending Shift'. Private homes are	
invaded through monitors; tiny cameras	
open up an immense window into our	
personal lives: our messy living rooms,	
the laundry hanging up in the kitchen,	
the pets needing limelight and children	
seeking undivided attention. I am very	
protective of my family space and I only	
want to share it selectively. Our sleep is	
often interrupted with worry and pain,	
our processes and habits are	
manipulated into something new that	
we do not recognize and yet need to	
adjust to at pace. This digital invasion is	
chipping off at the source of wellbeing	
my home offers in terms of comfort.	
protection and safety from the outside	
world. I wonder what my life looks like	
from the outside, from the other side of	
the camera lens. I am comforted by the	
opportunity to use a virtual backdrop in	

		my online conversations, and yet I feel	
		disturbed by it as it introduces a fake	
		filter against the authenticity of my	
		interpersonal connection."	
		"I was so absorbed in back-to-back	
		meetings today that I forgot to drink	
		water, and then developed a headache.	
		which made work even more	
		exhausting. My back issues are now	
		tormenting me, and the only way to	
		avoid being crippled by pain is to work	
		whilst sitting in bed, which may not be	
		perceived by many as 'professional	
		enough', so on goes the fake room	
		background. The incredibly fast-paced	
		rhythm of the past few weeks has	
		demanded a very full schedule, which	
		makes shopping for groceries	
		problematic as things like milk eggs and	
		other necessary items are only but	
		memories on empty shelves adorned by	
		meaningless price tags at the end of the	
		day "	
		uay.	
		"I wish I could just go back to sleep now	
		hut my brain has gone into analytic	
		overdrive and I start to consider	
		over unive drift i Start to consider	
		assessment options, biended delivery	
		plans, stall cover issues, student welfare	
		and a million other matters. I think that I	
		might as well have a look at my emails	
		now, since I am awake; it will be fewer	
		to do in the morning. Yesterday, I had	
		almost 200 emails coming in during my	
		first three hours of meetings; those are	

					emails that require an action or an		
					answer. I am on constant hyper-		
					performativity or speed-dial mode, but I		
					need to create pockets of normality		
					within my work to ensure self-care and		
					foster wellbeing Sometimes it's just		
					easier to keep going, but I must be more		
					disciplined with this "		
Burstyn	Online survey	People living	Anxiety and	"to describe	"Starting or substantially increasing	"Heightened anxiety	Convenience sampling
2021	administered	in Philadelphia	depression	symptoms of	telecommuting appeared to be	and depression during	– potential for
	between 17 <sup>th</sup>	who had a job	assessed	anxiety and	associated with increased anxiety in	COVID- 19 pandemic	selection bias
00	April and 3 <sup>rd</sup>	since the first	using the	depression in a	both sexes as well, with the effect more	can be due to	sciection sids.
		case of		sample of	prominent among men "	widespread disruption	
	July 2020.	COVID-19 was	Scores of	general	prominent among men.	of working lives	
	Multiple	reported in		nonulation of		especially in "non-	
	regression	Philadelphia	considered	Philadelphia		essential" low-income	
	models of	r maacipma.	'cases' of	PA in relation		industries on par with	
		N - 011	anviety or	to features of		experience in	
	estimated	N - 511	depression	work during		healthcare "	
	using binomial		for each			nearthcare.	
	rogrossion			covid-19			
	regression		subscale.	epideinic, with			
				associations			
				with perceived			
				and actual			
				changes in work			
				precipitated by			
				the outbreak,			
				while			
				accounting for			
				sources of			
				support and			
				general health"			
Chakrabarti	Cross-	Employed	Physical	"to explore the	Frequent and occasional telecommuters	"This cross-sectional	Not able to isolate
2018	sectional	people aged	activity,	effects of	had similar PA levels, however frequent	analysis using 2009	those who took leave
US	analysis of	18-64	assessed	telecommuting	telecommuters made marginally more	NHTS data generally	on the 'travel day'.

	national dataset, in March 2008 to April 2009 timeframe. Linear regression, controlling for personal and household characteristics (e.g. income).	N = 123,810 12.5% reported having the option to telecommute ('option to work at home' per NHTS definition), 62.1% of whom reported telecommutin g ('working at home for an entire work day').	using the Day Trip File (one-day travel diary) calculated into minutes of PA, assumed to be at least moderate intensity. Telecommut ers were classified into 'frequent' (≥4 days over the past month or once per week on average), and 'occasional' (1-3 days over the past month).	on non- motorized travel, public transit use, physical activity, and vehicle miles travelled in order to estimate health and environmental impacts of telecommuting"	<ul> <li>walk trips per week than occasional telecommuters on average, and both made more walk trips than non-telecommuters.</li> <li>Both frequent and occasional telecommuters engaged in 8-9 minutes more per day of PA than non-telecommuters, on average.</li> <li>31% frequent, 27% occasional and 21% non-telecommuters met or exceeded the 30 minutes per day activity target.</li> <li>On the 'travel day' (that the survey/diary related to), those who telecommuted engaged in an average of 15 minutes of PA more than those who travelled to work on that day.</li> </ul>	suggests that the increasing adoption and expansion (e.g. in terms of days/hours offered and employees covered) of telecommuting programs by firms may help promote non- motorized travel and physical activity in the U.S., if latent demand for sustainable travel and healthy living exists."	
Charalampou	Semi	Forty (23	Work	Explore the	Interviewees were working full time	Findings of the present	
s 2021	structured	male) remote	related	impact of the	from home and only occasionally visiting	study overall supported	
UK	interviews.	e-workers	wellbeing	remote e-	the office or customers sites (N =13);	the complex and	
		working for a	(affective,	working	some others equally working from home	multidimensional	
	Thematic	British IT	professional,	experience on	and office locations (N = 10); some	impact that remote e-	
	analysis	Company,	social,	employees'	splitting their time between office,	working experience has	
		mean age of	cognitive,	well-being.	home and customer locations (N = 8).	on individuals' well-	
		46.86 (SD =	and			being	

8 43)	nsychosoma	Overall remote e-working seemed to	
0.75)	tic well-	have a positive effect on emotions	
	heing)	Individuals advised that compared to	
	Demg).	working in an office, they were more	
		working in an onice, they were more	
		satisfied with their jobs and feit happier	
		with getting a better balance between	
		their working and non-working	
		lives.	
		However, numerous remote a workers	
		said that it was easy to feel leady hered	
		salu that it was easy to reer onery, bored	
		and sad when the social interaction was	
		reduced or eliminated. Also, feelings of	
		anger, trustration, and stress were	
		mainly linked to issues with technology,	
		or not being able to get hold of	
		colleagues when needed.	
		Regarding individuals' nsychosomatic	
		health it anneared that none of the	
		employees reported serious and	
		employees reported serious and	
		from romote a working. However	
		increased and entery hole viewe	
		increased sedentary behaviours	
		combined with the absence of breaks	
		was a prominent risk factors for	
		psychosomatic health. Regardless of the	
		risk of not taking enough breaks, and not	
		having appropriate ergonomics,	
		interviewees suggested that a healthier	
		lifestyle was available to them.	
		Interviewees suggested that being part	
		of an organisation that embraces and	
		supports remote e-working was	
		fundamentally important for their career	
		progression and development.	

					This was because results ultimately drove their progression. Some dangers of not being physically present about career opportunities and relevant training were outlined though, especially when individuals first started e-working remotely.		
Clark 2021 Ireland	Qualitative – IPA (semi- structured interviews via video call). Thematic analysis was undertaken, based on the principles of Smith and Shinebourne (2012).	Working mothers with their children, recruited through convenience and snowball sampling. N = 30	The impact of working from home with children during the COVID-19 pandemic (including psychologica I wellbeing, and the circumstanc es that influenced it).	"to understand the experience of working mothers who managed work and home duties during the COVID-19 pandemic in Ireland."	Most participants reported increased levels of psychological distress as a result of the pandemic and resultant changes to the dynamic of work and family life: <i>"I was very distressed and I'm sure most parents where because it's like what do we do now? And everything was just everything was all. Everybody was worried, you know, 'cause we didn't. We've never experienced this before so it was all thrown up in the air and then we were left to deal."</i> This was due in part to being disproportionately affected by additional tasks such as increased childcare and domestic duties, which became more than they could manage: <i>"I think that, um, I think it's. I think it's too much. I think it's too much. My mother had a stroke last year. You know, we've had we've had some challenges, but nothing like the psychological challenge of this."</i>	"The findings show the working mothers in Ireland are experiencing psychological distress, encountered negative emotions at the beginning of the pandemic, and are redefining family roles to account for consequences of COVID-19. As the crisis continues, these issues will likely persist, and as such, more consideration needs to be given to creating support systems for families and especially working mothers."	From my own experience (in the UK) this study has good face validity. Relatively large sample size for a qualitative study. In- depth nature of data collection has meant that factors relating to wellbeing were explored. May not extrapolate beyond a pandemic context, although the results clearly highlight where pandemic-specific factors have impacted wellbeing.

		An additional challenge was managing	
		the psychological welfare of their	
		children during the pandemic, and help	
		them to cope:	
		"And as a mother when you see your	
		children upset and crying, and I found it	
		myself. I'm not gonna, like some days I	
		felt like cryingbecause I'm telling (my	
		child) no don't be silly. Everything is	
		aoina to be fine but inside I'm aoina is it.	
		vou know?"	
		) • • • • • • •	
		The psychological burden of being a	
		working mother was compounded by	
		grief and trauma related to the	
		pandemic, including losing loved ones.	
		In the early stages of the pandemic,	
		working mothers experienced negative	
		emotions, including higher levels of	
		stress, guilt, increased pressure,	
		disconnectedness and isolation. Women	
		reported their work being affected by	
		disproportionately increased childcare	
		responsibilities and domestic duties in	
		addition to working from home:	
		"I know. I know in the first few weeks. I	
		was stressed I was aiving out to the kids	
		and then I just had to say. listen. I have	
		to stop. Just stop because nobody knows	
		what we're doing, no one's totally and if	
		I can't be online for 8 hours a day, I can't	
		be on line 8 hours a day. Yeah, it's so	
		mixed because you're a teacher you're a	
		mother, you're a worker. You're doing	
		the laundry, you're cooking lunch are	

you're not taking a lunch break. You're	
all in the one room, nearly. It was, it's	
just mad."	
The challenge of having to look after	
children while also being expected to	
work caused tension:	
"So he only like you know, every time I	
back turned, he was in some um online	
on YouTube watching some playing	
[Fortnite] or something. You know he's	
absolute nightmare so or begting un his	
sister one or the other Lwas on many	
sister one of the other. I was on many	
cuils where fixe finy boss would suy, do	
you want to go and sort that house	
because you could hear the jighting from	
2 rooms away."	
This was a particular challenge for lone	
mothers.	
Guilt, relating to children not being able	
to see friends of participate in activities,	
seeing others unemployed or ill, or	
issues arising from work-family conflict,	
was a common experience, and	
boundaries between work and family life	
became difficult to manage:	
"You know you kind of felt when you	
were working. You were feeling guilty	
because you weren't. You know, helping	
you know? With them with more	
structure and then when you were doing	
that then you're kind of aoina. Oh my	
God. I hope nobody's looking for	
meBut at the same time it was tricky	

because and you know, I suppose you	
have a good work ethic and you want to	
do the best that you can do and it was	
really difficult to draw the line between	
heing Mammy and heing at home but	
also beging a work identity "	
Inis guilt was compounded by	
comparisons with other parents and	
participants feeling like they weren't	
doing enough for/with their own	
children (e.g. baking).	
Participants also reported feeling	
isolated particularly if they were not	
able to see family members living in	
able to see failing members invitig in	
other towns and their neighbours could	
see family.	
The challenge of supporting their	
children with online learning was also a	
challenge for working mothers:	
"You're concerned about the child's	
development and you want them to do	
well at school and you don't want them	
to start falling behind and regressing. So	
to start junning benind and regressing. So	
i tnink it s more an internal pressure	
that, um, I would put on myself to say	
God there. We have to keep up at least	
English, Irish, maths, and we can skip the	
un stuff. Um, and the extra subjects, but	
I think that was more my own."	
The impact of the additional childcare	
fell disproportionately to the women in	
this study and many falt they needed to	
this study, and many feit they needed to	
try and find a part-time job or quit work	

					altogether. They also recognised the detrimental impact of this situation on their careers. Those with more flexible work found it easier but still a challenge. Participants reported having to reduce work hours and their friends taking anti- depressants. Women reported that male partners' employers did not give any consideration to their potential childcare responsibilities, which added to the burden on women.		
Collins	Qualitative	Staff in 3	Social	"to explore	Teleworkers only had social	"This qualitative study	As with all case
2016	case study	departments	relationships	social support	relationships with office workers whom	drew upon the findings	studies, findings may
UK	approacn,	in a large	between	relationships	they already knew and had already met	of one public sector	not be generalisable
	using semi-	English local	teleworkers	that exist	take-to-face. They did not know hor get	organisation and	beyond the case.
	intonvious		and office	permanant	did not call upon office staff for support	provides valuable	mere is incle in the
	interviews.	(COUNCILLAX,	WORKERS.	telewerkers and	unless they know them, and therefore if	insignts into social	Way of reflexivity.
	Data were	community	only themes	their office-	teleworkers were not brought in and	nermanent	recruitment
	analysed using	services)	and data	hased	introduced to new office-based staff	teleworkers office-	recruitment.
	template	Ser Vices).	relevant to	colleagues and	they could become increasingly more	hased staff and	
	analysis "The	N = 33	wellbeing	supervisors	isolated	supervisors However	
	original focus	11 33	within this	through		the results of this one	
	of the	6 supervisors.	context.	presenting the	The work was not 'collaborative' and	case study cannot be	
	research used	2 managers.		findings of a	managers expected that teleworkers	used to make	
	the	12 office-		qualitative case	would work independently, therefore	generalisations around	
	psychological	based clerical		study"	there was no social network	the social support	
	contract as a	staff, 13			functionality set up to facilitate	between teleworkers	
	framework to	clerical			interaction between teleworkers.	and office-based staff	
	explore the	teleworkers			However, most teleworkers would in	more broadly. As more	
	employment	(11 FT, 2 PT).			fact contact other teleworkers via work	workers work from	
	relationship:	(Teleworkers			phone, personal phone or email if they	home further research	
	that is the	were			had queries (rather than their team	is needed that explores	
	expectations	permanent –			leader or supervisor), as they might have	the complex	
	that	this was			done in the office in person. Through	relationships between	
	teleworkers	routine			this communication, the teleworkers	teleworkers, their	

and	d their	clerical work,	created a collective identity, seeing	office-based co-	
offi	fice-based	and some	themselves as a distinct group with	workers, and	
col	lleagues	people had to	issues particular to teleworking:	supervisors. As this	
hav	ve of each	be demoted	"We might have certain issues that	research shows	
oth	her and the	or hold back	wouldn't affect somebody in the office	teleworking may lead	
exp	pectations	on promotion	and we do actually speak together a lot,	to more personal,	
the	ey have of	in order to be	like if anybody has got an issue with	intense work	
the	eir	able to work	something we all ring each other and	relationships and	
sup	pervisors	from home.)	discuss it with each other, before we	further research is also	
and	d their		take it any further" (Amy, teleworker)	needed to explore how	
sup	pervisors			this impacts upon	
hav	ve of them.		Teleworkers also turned to each other	other household	
Ho	owever, the		for emotional support, usually using	members of the	
imp	portance of		personal rather than work phones, to	teleworker."	
wo	ork and		have conversations similar to the ones		
soc	cial		they would have had in the office with		
rela	lationships		each other:		
in t	the		" because you don't have somebody to		
wo	orkplace		go to so we're quite good at picking up		
em	nerged from		the phone - not the work phone I hasten		
the	e data and		to add - just have a quick moan" (Louise,		
for	rms the		teleworker)		
foc	cus of this				
par	per."		Teleworkers felt committed to fulfilling		
	-		the team leader's expectations, and		
			were concerned that they would be		
			recalled to work in the office again if it		
			was felt they were under-performing.		
			Just over half of teleworkers also had a		
			more personal relationship with their		
			team leader, and sought emotional		
			support from them, which team leaders		
			provided, as managers often felt that		
			teleworkers missed out on face-to-face		
			support. For instance, one teleworker		
			described how her section manager		

visited after a poor performance review,
to find out how she was. The
teleworkers generally required more
emotional support than office-based
workers, due to getting drawn in to
personal issues in the home domain.
Teleworkers and office workers had
different views on office life. One
benefit perceived by teleworkers was
that they could avoid the negative
aspects of office work, such as
"backbiting" and "bitching":
"I don't like being in an office. I find
offices full of, typically, large groups of
women who
are very, very catty" (Amanda,
teleworker)
For some, this was the reason they
chose to work from home, and one
teleworker reported that if they hadn't
moved to teleworking they would have
left the organisation because of this.
This worked both ways, with supervisors
reporting a desire to move disruptive or
underperforming staff to telework:
"They're hying to send somebody from
[the office] to work at home because
they're a disruptive influence in the
office. Which is one of the worst possible
reasons I can think of, but we are, and
I'm sure all organisations do it to a
degree if they do homeworking, is get
the person who upsets your team
members out of the team" (Robert, team

					leader)		
					But this may in turn make managing		
					such staff problematic and supervisors		
					may be less willing to visit teleworkers		
Cotterill	Online survey	Water sector	One	"to analyse the	More women saw a decrease in	"At the sector level	Sample was
2020	$5^{\text{th}}$ May to $5^{\text{th}}$	employees	question	challenges	wellbeing (39%) than men (32%)	coning involved the	representative of
11K	June 2020	employees	related to	facing the LIK	although this was not statistically	ability to meet an	water sector workers
	June 2020.	N = 502	wellbeing –	water sector	significant and there were no significant	increased water	more broadly. Most
	Descriptive	N - 302	"My general	from COVID-19	difference between the median	demand with a remote	but not all data relates
	analysis of	60.6% male	wellheing	canture hest	wellbeing values for men and women (1)	workforce Lessons	to those working from
	quantitative	84 2% worked	has	practice and	= 27030 $z = -1472$	learned highlight the	home and no separate
	data with	from home	improved	identify learning	p = 0.141	importance of	analyses conducted
	Mann-	Diverse range	since	opportunities to	The authors report: "This is likely due to	communication and	
	Whitney U	of jobs.	lockdown".	improve	each individual coping with and adapting	collaboration. Future	
	test for	64% from	rated on a	resilience"	to the pandemic in different ways.	crisis plans should	
	examination	England, 6%	Likert scale.		Individuals were subject to different	prepare for prolonged	
	of differences	Scotland, 5%	No further		challenges: some may have had	crises of international	
	between	Wales, 2% NI,	information		significant childcare responsibilities,	magnitude and	
	groups;	9% other	on this item		whereas others may have struggled with	multiple threats."	
	thematic	(non-UK)	and its		isolation. Respondents reported	·	
	analysis of	countries.	rating was		negative and positive impacts, each of		
	qualitative		provided.		which may have counteracted any		
	data (open-				significant deviations in wellbeing and		
	ended				positivity." (p.6)		
	responses).						
					Essential workers had the largest		
					improvement in wellbeing (29%),		
					whereas those who were unsure as to		
					whether they were an essential worker		
					had the highest decrease (47%) in		
					wellbeing, although no significant		
					differences were found between		
					'essential workers', 'non-essential		
					workers' and those 'not sure'. The		
					authors report: "These moderate		

					differences suggest that uncertainty, perhaps through poor communication, can impact wellbeing." (p.6)		
					Wellbeing challenges mentioned in open-ended responses included care responsibilities (which were more frequently mentioned by women than men), isolation, a lack of social interaction, and missing face-to-face contact (by both). Some participants commented that their work-life balance was better, resulting in better wellbeing: "There have been some good things to this lockdown. Spending more time with family and a reminder that the pace of life is too fast and a consultant reflected, cutting to a 4-day working week and spending more time with the family has		
					improved my life quality. More widely this should be an opportunity for society		
					to evaluate its priorities"		
Daniel	Inductive and	Knowledge	Participants'	To "enhance	Participants described feeling more	"Despite enjoying	Something to bear in
2018	qualitative –	workers with	views and	current	fulfilled by having more time and mental	career, mental and	mind is that all
UK	interviews	online home-	experiences	conceptual	space for creativity and creative work,	virtual mobility	participants ran their
	analysed with	based	on working	understandings	by working online and thus being "freed	through internet-	own business from
	rocursivo	"o g wob	(with their	isolation and	interactions, which they saw as a	wore found to cook	nome.
	movement	designing:		naradov by	distraction	face-to-face social	sample may not have
	hetween data	develoning	husiness)	analysing		and/or professional	heen renresentative
	and concepts	revenue	Susinessy	knowledge-	Participants also enjoyed the inherent	interactions, their	(although researchers
	resulting in an	generating		workers	autonomy of scheduling inherent in	isolation engendering	sought a range of
	iterative	community		interrelated,	working from home (particularly with	loneliness, despite	participants and a
	process of	portals;		multidimension	their own business), for example	their solitude	range of views).
	theory/constr	promoting		al experiences	alternating working patterns to fit	paradoxically often	_ '
	uct	information		within	around preferences for each day, such	fostering creativity and	

development"	about goods	restrictive	as taking an extending lunch break and	innovation."	
•	and services"	home-based	catching up in the evening.		
		working			
	n = 23	contexts"	In contrast with the positive feelings of		
			reflective solitude (and creativity),		
	65% female		participants also experienced loneliness		
			and isolation:		
			"The one very dark porridge is I find it		
			very isolatingvery, very isolating."		
			Participant #7		
			"After two or three years, it's really		
			harda lonely. lonely iourney"		
			Participant #20		
			So it seemed that the isolation/solitude		
			was a double-edged sword, with		
			simultaneous advantages and		
			disadvantages. Also that some		
			participants enjoyed the solitude more		
			than others. For instance:		
			"Despite needing daily physical		
			interactions. ex-teacher Participant #2		
			enjoyed solitude. She had found working		
			as a teacher very intense in terms of the		
			large number of people faced daily in		
			that role. She felt happier running her		
			online business without "all those		
			voices" from previous physical working-		
			day interactions disturbing her sleep."		
			In terms of isolation, people		
			distinguished between social and		
			professional isolation. With social		
			isolation, people would feel isolated		
			from face-to-face contacts and would		
			deliberately change location (even just		

 			1
		in the house) to seek out others. The	
		type of interaction is also important.	
		One participant described missing daily	
		friendly face-to-face interactions, but	
		not the superficial and alienating	
		interactions that took place in a large	
		company she previously worked for.	
		Some participants addressed this by	
		deliberately going out to interact with	
		people, socialising at the school gate,	
		planning evening or weekend activities,	
		connecting with friends and family (via	
		telephone or social network), and having	
		the radio on in the background while	
		working (which could also be switched	
		off when peace and quiet was required).	
		In terms of preferences, the participants	
		in this study valued being in control over	
		communicating with others.	
		-	
		Social isolation could be exacerbated by	
		flexible working, for instance if they	
		spent time with their family during the	
		day, then they would need to work	
		evenings or weekends, which also	
		created isolation from the family.	
		To avoid professional isolation,	
		participants would connect with others	
		who ran similar businesses, for mutual	
		benefit. This would help their businesses	
		as well as helping them to feel less cut	
		off from others in the same field. They	
		also used these networks and support	
		communities for sharing clients/work	
		and trouble-shooting problems. People	

					also described telephone and in-person		
					contact with others in these networks as		
					being helpful in alleviating isolation		
					Isolation was exacerbated by working		
					long and irregular hours, particularly		
					when in regular contact with neonlo		
					from oversees (e.g. clients		
					irom overseas (e.g., chefits,		
					"I went to bed at the same time that my		
					parents got up to go to work. It doesn't		
					make any sense, personally" Participant		
					#20		
					Fear of the IT equipment/online		
					connection failing was pervasive and		
					driven by a fear of being completely cut		
					off.		
De Sio 2021	Web based	Teleworkers	psychologica	To assess the	Psychological distress was associated	These results indicate	
	cross sectional		l distress	consequences	with educational level, with habits, and	that people with lower	
	survey.	348	and	of the Covid-19	with	educational levels had	
		(60.52%)	perceived	pandemic on	reporting poor well-being. Poor well-	a lower risk of	
		females and	well-being	job	being was associated with a higher job	psychological distress	
		227 (39.48%)		organization,	demand during pandemic, lifestyle and	than those with higher	
		males,	GHQ-12.	exploring the	habits variables, and psychological	educational levels.	
		Median age of		effects of	distress.	That assumption	
		40 years (IQR:		lockdown		contrasts with strong	
		33-49).		measures on	Psychological distress was associated	evidence that low	
				the	with post-graduate (OR 2.20; 95% CI	socioeconomic	
		One-third of		psychological	1.20-4.03) and graduate (OR 2.01; 95%	position is often	
		the sample		distress and	Cl 1.21-3.34) educational level, with	associated with severe	
		(30.09%)		perceived well-	feeling not "sheltered at home" (OR	mental health	
		claimed that		being	4.73; 95%Cl	disorders, such as	
		they worked		of workers	1.28-17.48), and with reporting poor	Depression.	
		more than		experiencing	well-being (OR 7.39; 95%CI 3.44-15.86).		
		before the		telework.			

		pandemic and two thirds (72.87%) to have participated in video conferencing more often than before.			Poor wellbeing was associated with having a higher job demand during pandemic (OR 2.61; 95% CI 1.10-6.19), with feeling not "sheltered at home" (OR 8.80; 95%CI 2.60-29.75), with smoking more cigarettes during pandemic (OR 2.47; 95%CI 1.13- 5.59), and with experiencing psychological distress (OR 8.01; 95% CI 2.57-24.97).		
Delanoeije 2020 Belgium	Quasi- experimental study – employees allocated by two department heads to either teleworking (≤2 days per week) or control (no teleworking, as per usual), based on commuting time and job performance. Analysed using multivariate repeated	Employees of a large international construction and property development firm in Brussels. N = 78 (n = 39 allocated to teleworking and n = 39 allocated to control); n = 64 (n=34 in teleworking and n=30 in control groups) completed the follow-up assessment).	Stress, assessed by the GHQ, subsample of 5 items, 1-7. Assessed at T1 and T2 with reference to past month but also adapted for daily assessment (wording changed to 'today'). Work to home conflict, work engagement	"to improve our understanding of the impact of telework by simultaneously examining between-person and within- person effects of telework using a quasi- experimental design."	"The univariate F tests showed there was a significant interaction effect between time and group for stress (F(1,62) = 4.21, p = .04, $\eta_p^2 = .06$ )", whereby stress decreased among the teleworking group but not the control group – once commuting time was included as a covariate, there was no group by time interaction effect for stress, suggesting that the decrease in stress among the teleworking group could be accounted for by pre-existing differences in commuting time. For daily stress, "the standardized estimate of teleworking day on daily stress ( $\gamma = -0.20$ , p < .001) was negative and significant", supporting the hypothesis that the intervention group would have less daily stress on a teleworking day. There was no significant effect of group	"Our results provided support for within- person but no multivariate between- person effects of telework, yet our between-person design was likely to be underpowered to observe between- person effects There were no differences between teleworkers and non-teleworkers on these outcomes on non-teleworking days. We therefore encourage scholars and practitioners to use different levels of analysis when studying or evaluating telework policies since effects between employees	Commuting time and job performance were considerations in allocating to groups, and participants did differ between groups on these variables, therefore these factors may have impacted on findings. T2 response rate of 83%. Looks like commuting was the only confounding variable accounted for in analyses. One company case design, thus low external validity. Small sample size, lack of power (although no formal power analyses conducted).

	measures MANOVA.	75.6% male, range of job titles and levels of seniority, 0-4 children (mean 1.23, SD 1.10)	and job performance were also assessed but not extracted.		in any of the models, demonstrating that "on office days, employees in the teleworking group and employees in the control group report similar levels of daily stress".	and effects within employees may not necessarily be the same."	Shortened versions of validated scales were used, which in themselves may not have validity. All measures were self- reported.
Delfino 2021 Italy	Qualitative field study, using semi- structured interviews (conducted May to June 2020). Data were clustered and analysed using a pattern matching approach (Crang, 1997), which involves thematic coding, and the development of a theorised narrative.	Employees from professional service firms, at various grades (apprentice, analyst, consultant, senior consultant, manager, senior auditor) N = 15 (9 female, 6 male)	Managemen t control practices, and employees' responses to these (including wellbeing, and factors affecting wellbeing).	"to investigate how remote working impacted the use of management control in professional service firms and explore how these changes affected employees."	Wellbeing was directly alluded to. Employees experienced stress in relation to increased demands and fear of management, which led them to miss breaks to increase their availability, decreased their motivation for their job (and subsequently looked for other work), and a serious impact on mental health. Employees (even senior ones) felt unable to discuss this with management: <i>"In our world these issues are very</i> <i>sensitive</i> [] <i>I do not talk about this with</i> <i>my manager, since I do not want to</i> <i>signal that I do not want to work. Maybe</i> <i>that would piss him off. The only people I</i> <i>can talk about this are my colleagues [at</i> <i>the same level], who agree with me."</i> <i>(Giulio, emphasis added)</i> Several working practices that could impact on wellbeing were also mentioned. These included the use of 'action controls' (including increased monitoring, borne out of a lack of trust in employees by management),	"The field study of professional service firms in Italy presents findings that can inform the management control literature, both empirically and theoretically, and may inspire future research."	The research was cross-sectional – the authors suggest longitudinal future studies may be insightful to see how responses to the crisis unfold over time. Also, only short-term effects were examined (i.e. from the start of the pandemic).
					including management scheduling more video calls (than they previously had in face to face meetings), and monitoring employees' online/offline status and calling them when it changed. This made employees feel uncomfortable. Employees also felt they should always be available, including before and after the expected start/end of the working day, not taking lunch breaks, and responding to chat messages immediately. Some employees also reported an increase in workload and expectations, and others reported a removal of previous responsibilities (e.g. dealing with clients). Some experienced an increase in the hierarchy, and others a decrease, as video conferencing had resulted in the breakdown of hierarchical barriers. Some participants reported increased autonomy through possibilities such as being able to ask colleagues of the same level queries via MS Teams, where they would previously have asked a manager. The authors note: "Although no generalizations should be drawn from our explorative study, the collected evidence suggests that managers who provide more autonomy to their employees and employ less strict types of MC have team members who seem more motivated." (p.9)		
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Di Tecco	Prospective	Public	General	"The aim was to	There was no significant change in	"This study highlights	High response rates in

2021	cohort study	administration	health –	investigate the	general health (T1 mean 3 69 T2 mean	the beneficial health	hoth waves – 74 3% of
Italy	to investigate	workers who	assessed by	effects of work	3.69 mean difference 0.00 SD 0.70 n =	effects of workplace	those invited
icary	the impact of	moved to	a single item	organization on	1 00 and wellbeing (T1 mean 14 12 T2	flevibility and suggests	completed the T1
	a smart	working from	asking	work attitudes	mean 13 72 mean difference 0.40 SD	that organizations may	survey and 78 9% of
	working pilot	home (smart	workers to	work-life	4.72  n = 0.247) from T1 to T2 as	henefit from building a	those completing the
	working phot.	working) ono	rate their	balanco and	$4.72$ , $\beta = 0.247$ from 11 to 12 as	culture of flovibility	T1 survey completed
	Applycoc	day par wook	own hoalth	boolth	evaluated by t-tests.	Culture of nexibility.	the T2 survey
	Analyses	uay per week.	$1 \in (1 - y_0)$	outcomos	In the regression models, significant	olven the growing	line 12 suivey.
	data from T1	N - 197	1-5(1 - very)	before and after	ni the regression models, significant	using smart working	Longituumai uesign an
	uala nonnin	N - 107	goou, 5 -	the introduction	predictors of weilbeing were demands (- 0.702, $n = 0.027$ ) and offective	during the	auvantage.
	and 12 were	79.6% famala	very bad).	of the smart	0.703, $p = 0.027$ ) and effective	auring the	
	conducted	78.0% leffiale,		of the smart	management of change (1.461, $p = 0.002$ ) and demands ( 1.00, CE 0.048, $p = 0.002$ )		across all workers, but
	using paired	Mean age	- weilbeing	working	(-1.003), and demands $(-1.00, SE 0.048, p)$	emergency, this issue	was only one day per
	samples t-	50.7 (SD 6.8)	assessed by		= $0.037$ ) and higher education ( $0.238$ , SE	currently assumed	week so may not
	tests, and	years,	the WHO		0.100, p = 0.018) significantly predicted	great relevance for the	generalise to all
	random	52.9%	measure, 5		general health.	OSH and organizational	situations.
	effects .	educated to	items, 1-5			productivity	
	regression	degree,	scale.			implications."	
	models were	0.8%					
	calculated to	managers,	Also				
	account for	14.3%	assessed job				
	unobserved	professionals,	satisfaction,				
	variables.	84.4%	work-life				
		administrative	balance, and				
		and technical	psychosocial				
		staff.	factors at				
			work				
			(including				
			demands,				
			control, peer				
			support,				
			managerial				
			support, role				
			and change),				
			as well as				
			demographi				
			С				

			information.				
Docka-Filipek	Online survey,	University	Self-	"to examine the	Women faculty reported significantly	"women faculty's well-	Questions asked about
2021	recruited via	faculty	reported	impact of the	higher depressive symptoms (mean	being and career	the number of
USA	Facebook,	working from	mental	transition to	score 14.86, SD 5.79) than men (mean	advancement are	dependents, but not
	from 28 <sup>th</sup>	home at the	health	working and	score 12.75, SD 6.75) (Welch's <i>t</i> (1, 97) =	threatened by	who was looking after
	March 2020 to	start of the	(depression	teaching	5.76, p = 0.018). Women also reported	disparate, obscured	them (i.e. self or
	26 <sup>th</sup> May	coronavirus	and state	remotely on	higher state anxiety (mean score 16.52,	service burdens both	partner).
	2020.	pandemic.	anxiety) was	faculty during	SD 4.00) than men (mean score 15.07,	within the academy	Potential for selection
			assessed	the Spring 2020	SD 4.20) (Welch's <i>t</i> (1, 105) = 7.27, p =	and at home during	bias due to recruiting
	Comparisons	N = 345	using a	semester,	0.008).	the pandemic."	through social media
	made using		shortened	specifically in			(and using an online
	Welch's t and	77% female,	version of	response to the	In bivariate analyses, having a higher		survey), and the
	examination	21% male,	the Center	COVID	teaching load (r = 0.12, p < 0.05) and		sample was not
	of impact of	2%	of	pandemic"	greater financial concerns (r = 0.27, p <		representative (e.g. a
	predictors on	transgender,	Epidemiologi		0.001) were associated with higher		much greater
	mental health	genderqueer	c Studies		depressive symptoms, and having more		proportion of securely
	made with	or nonbinary,	Depression		dependents in the home (r = 0.11, $p <$		funded staff (tenure
	bivariate	Mean age	scale (CES-		0.05) and greater financial concerns (r =		track) than is
	analyses and	42.84 (SD	D: Zhang et		0.21, p < 0.001) were associated with		commonly in
	multiple	9.23), range	al., 2012), 10		higher state anxiety.		institutions).
	regression.	23-83,	items, and				
		89% White,	the state		Two multiple regression models were		
		6% Hispanic	anxiety		run, which accounted for significant		
		ethnicity,	subscale of		variance in depressive symptoms (F(6,		
		71% married,	the 6-item		322) = 7.29, p < 0.001) and state anxiety		
		7% living with	version of		(F(6, 322) = 5.93, p < 0.001). Gender		
		partner,	the State		accounted for unique variance in both		
		Mean number	Trait Anxiety		depression ( $\beta = 0.17$ , $p \le 0.01$ ) and		
		of dependents	Inventory		anxiety ( $\beta = 0.17$ , $p \le 0.01$ ) risk, after		
		0.96 (SD 1.01),	(Tluczek et		covarying for race, academic position,		
		Mean number	al., 2009),		teaching load, number of dependents in		
		of courses	both		the nome, and financial concern at		
		taught on	validated.		separate steps. Higher financial concern		
		auring spring			accounted for unique risk for both		
		semester 3.63	Ongoing		depression ( $\beta = 0.30$ , p < 0.001) and		
		(SD 1.37).	impact of		anxiety ( $\beta$ = 0.26, p < 0.001), and having		

Women were Covid (case more dependents accounted for unique	
$\alpha_{\rm res}$ numbers) risk for anyiety ( $\beta = 0.13$ n $< 0.05$ )	
1000000000000000000000000000000000000	
and part time over ined	
and part-time examined.	
tacuity were	
under-	
represented.	
Job included	
adjunct	
instructor	
(9%), lecturer	
/ instructor	
(11%),	
assistant	
professor	
(35%),	
associate	
professor	
(27%), full	
professor	
(17%).	
Dunatchik Online survey, Adults, How To "examine Among partnered parents, where both "In sum, the rise of	Wellbeing was not the
2021 nationally pressured how the shift to parents worked from home, 66% remote work during	main outcome and it is
US representative representative parents feel remote work mothers and 65% fathers reported the COVID-19	difficult to infer
, April 2020. sample. to oversee altered feeling "some" or "a lot" of pressure pandemic has not	anything useful from
their responsibilities regarding children's home learning appreciably altered the	this study. Cross-
N = 2200 children's for domestic during the pandemic. This pressure was domestic division of	sectional survey – only
(focusing on distance labour among felt by 50% mothers and 28% fathers labour. When the jobs	a snapshot.
478 partnered learning. partnered when only the respondent worked at of both parents moved	Recruitment was not
parents and couples and home.	clearly described.
151 single (Other single parents" gender gap neither	potential for selection
parents) outcomes increased nor	bias unclear. Items not
not decreased "	
ucurcuscu.	I validated but have face
extracted	validated but have face validity. No statistical

Evans	Online survey	UK remote	whether participants were spending more time on housework and childcare and who is primarily responsible for these activities.)	To examine how	Burnout did not change over time.	"The first wave of	No pre-pandemic
UK	4-wave), administered from 13th May to 24 <sup>th</sup> August, with a 1-month time lag between each wave. Analysed using growth curve models and changes over time (trait x time interactions).	N = 974 61% female (0.2% non- binary). Mean proportion of time WFH 91% (SD 21%), 73% worked from home 100% of the time.	over the preceding month, using 5 items (Bakker et al 2000), internally validated. Also assessed personality, using HEXACO traits, job performance , work engagement	shaped responses to COVID-19 in terms of (1) the relationship between personality and job outcomes during the transition to enforced remote work; and (2) the longitudinal relationship between personality and within-person changes in job	At the first wave, those scoring high on extroversion and conscientiousness were less likely to experience burnout, whereas those high in extraversion reported higher levels of burnout over time. Those higher in emotionality reported lower levels of burnout over time.	transition to enforced remote work. Our results suggest that individual differences in extroversion and conscientiousness played roles in how employees adapted to this transition. Under normal circumstances, extroversion and conscientiousness are associated with a range of advantages at work. However, our results suggest that these advantages disappear over the course of a forced	were only observed over a 3-month time period, thus unclear if effects persist over longer timeframes and/or are seasonal. Pandemic context itself may be a confounding factor.

			satisfaction,	time.		transition to remote	
			and			work."	
			turnover				
			intentions.				
Fukumura	Online survey,	Individuals	Physical and	"to explore the	Some participants reported stress from	"Organizations should	Unclear what
2020	administered	who	mental	benefits and	being constantly monitored:	consider the complex	wellbeing measures
USA	from 27 <sup>th</sup> April	transitioned	wellbeing	challenges of	"My supervisor's level of communication	intersections of work-	were and if they were
	to 11 <sup>th</sup> June	to WFH during	were	WFH during	has been stress-inducing. Not only is it	life and home-life to	validated.
	2020.	the pandemic.	assessed	COVID-19 to	much more frequent, it knows no time	develop supportive	Thorough recruitment
			using	identify	boundary. I receive communication all	policies and	process, however still
	Open-ended	N = 988	"Likert-type	supports and	hours of the day on numerous platforms	resources."	possibility of selection
	responses		categorical	resources	that seem to multiply weekly.		bias as survey was
	analysed	(n = 648	response	necessary to	Oftentimes the alerts are redundant and		online.
	qualitatively	responded to	questions" –	minimize the	result in giving me and my colleagues		Convenience sample –
	using content	the positive	no further	impacts of	communication fatigue. I understand		did not seem to be
	analysis with	benefits	detail.	occupational	there is an adjustment period and		representative of the
	an inductive	question,		disruption in	oversight is difficult remotely, but the		country's population;
	approach.	mean age 41.7	Two free-	future shifts to	sheer amount and persistence implies		were more educated
		years (SD	response	WFH"	that we must be micromanaged in order		and higher-income
		12.9), 65.4%	questions		to complete our work – which in an		than country average.
		female, 59.7%	were also		office space has never been true and		Prompts were positive
		Caucasian; n =	asked,		remains untrue."		in focus, thereby
		366	relating to				prompting positive
		responded to	positive		Having to care for a child/children has		responses.
		the additional	benefits of		also impacted on mental health and		Qualitative responses
		information	WFH and		wellbeing while working from home:		were survey not
		question,	additional		"I am having to adjust hours to home		interview, so no
		mean age 43.2	information		school my 2nd grader [7-8 yo] since		chance to respond or
		years (SD	about		schools have closed, which takes away		ask follow-up
		13.0), 66.1%	experience		from the hours put in at work during		questions.
		female, 60.7%	of WFH.		regular business hours. Since these		
		Caucasian)			hours have to be adjusted, I feel as if I		
					start my day at 7:30 am and finish after		
					7:30 pm. These long days can sometimes		
					make me feel burnt out."		
					"I'm a single parent of an eight-month-		

old infant and have a demanding full-	
time career. I work 90 minutes away	
from my office, and that's where her	
daycare is, so I withdrew her from	
daycare and care for her full time while	
working full time from home. It's the	
hardest thing I've ever done, my work	
performance and mental health both	
have suffered."	
Other people reported a benefit to	
wellbeing:	
"The positivity and improved attitude is	
so huge. I have anxiety thinking about	
returning to work already. I want to	
work from home from now on. It has	
changed my outlook that much!"	
Freeing up time from commuting	
reduced stress both in terms of being	
able to do other activities during that	
time and not having the stress of	
commuting:	
"am less stressed now that I am not	
driving in traffic. I feel a lot healthier not	
sitting in a car an hour or more each	
way."	
Some people preferred the special	
arrangements at home, for instance	
those with internal offices in the	
workplace, and no natural light, where	
they could work at home in a more	
comfortable space and take breaks in	
the garden. However this varied	
between people, with some describing	

					the home environment less conducive to		
					work due to the presence of others		
					including children, a lack of privacy and		
					a lack of annronriate technology		
					Others reported well-being benefits in		
					not having to speak to colleagues that		
					they didn't want to speak to, or be		
					distracted by other people's		
					conversations in the office.		
					Respondents also reported pandemic-		
					related stress while working from home.		
					highlighting the unusual nature of this		
					circumstance, and expectations from		
					employers to 'carry on as normal'		
					confounded this stress.		
Galanti	Online survey,	All working	Stress –	To investigate	Stress was positively correlated with	"Individual- and work-	No detail on
2021	administered	from home	assessed	"the impact that	family-work conflict ( $r = 0.50$ , $p < 0.01$ ),	related aspects both	recruitment.
Italy	May to July.	full time, in	using 4	family-work	social isolation (r = $0.62$ , p < $0.01$ ),	hinder and facilitate	Cross-sectional design,
	No details on	public and	items	conflict, social	distracting working environment (r =	WFH during the	so not possible to
	recruitment.	private	designed to	isolation,	0.36, p < 0.01), and negatively	COVID-19 outbreak."	investigate causality.
		organisations.	measure	distracting	correlated with productivity (r = -0.39, p		May have been subject
	Reliability and		workers'	environment,	< 0.01) and work engagement (r = -0.47,		to selection bias (due
	validity of the	N = 209	perception	job autonomy,	p < 0.01).		to being an online
	scales was		of	and self-			survey), and so the
	assessed.	71.3% female,	exhaustion	leadership have	The hierarchical regression relating to		results may not be
	Descriptive	Mean age	and fatigue	on employees'	stress found that family-work conflict ( $\beta$		generalisable.
	statistics and	49.8 (SD 9.4)	due to WFH	productivity,	= 0.31, p < 0.01) and social isolation ( $\beta$ =		
	correlations	years (range	(e.g. "I feel	work	0.48, p < 0.01), but not distracting work		
	between the	25 to 65).	exhausted	engagement,	environment ( $\beta$ = 0.05, p > 0.05), were		
	major	~70% had ≥1	from	and stress	positively related to stress at Step 2,		
	variables were	child, 32% had	working	experienced	showing a significant increase in		
	conducted.	children aged	from	when WFH	explained variance (ADjR <sup>2</sup> = 0.44, $\Delta R^2$ =		
	Hierarchical	<14 years, and	home"), 1-5	during the	0.42, p < 0.01). Both family-work conflict		
	multiple	9.1% had	scale.	pandemic"	$(\beta = 0.31, p < 0.01)$ and social isolation $(\beta$		

	regressions were performed for each of the three outcome measures (stress, productivity and work engagement – latter two not extracted).	worked from home before.	Other outcomes were work productivity and work engagement Also measured were job demands related to WFH (family-work conflict, perceived social isolation, distraction), iob		= 0.48, p < 0.01), but not distracting work environment ( $\beta$ = 0.05, p > 0.05), were positively associated with stress at Step 3, although neither autonomy nor self-leadership had a significant impact on WFH stress, and therefore, no significant increase in explained variance was observed (ADjR <sup>2</sup> = 0.44, $\Delta$ R <sup>2</sup> = 0.00. p > 0.05).		
			job autonomy, self-				
			leadership.				
Gao 2020 UK	Auto- ethnography (personal reflections of	Female academics.	The lived experiences of working from home	To recognise and draw attention to "the suppressed	Both women experienced social isolation as a result of being physically distanced from their workplace and colleagues, even if working alone was	"In this reflection, we have touched on neglected voices and things that have been	These are the perspectives and experiences of two people with specific
	three researchers). No detail on		and living alone, as explored	thoughts, voices and realities of single women	previously sought/preferred: <i>"I am an introvert and used to work from home. Normally, I would spend at least one day a week working remotely from</i>	left unsaid; we have interpreted feminism in pandemic times as a	circumstances – female academics who live alone. This
	but written as a narrative. It looks like the		reflection.	during the lockdown. We call for further	home on my research projects. Initially, the lifestyle shift after lockdown did not seem that different from my usual daily	that focuses on speaking up and voicing suppressed but	necessarily generalisable, however it is not intended to be

two authors	exploration on	working routine. But now I am unable to	vivid emotions; we	- it functions more as a
deliberately	this topic as a	get those small doses of face-to-face	have perceived	part of the overall
explored	reminder of	interaction with my colleagues, to have	feminism as beyond	picture.
certain	reaching this	scheduled dinners with friends, or to	any single woman's	
elements of	group of	enjoy the warmth of a big hug as I	choices and ideas of	
their	people, who	usually greet others. I realise that it's not	empowerment. In this	
experience, as	maybe are	just my ability to reason that has been	way, we have tried to	
the article is	struggling with	negatively affected, as my thinking is	open up a way of	
organised into	social isolation	often blocked, but the importance of	articulating the lived	
categories.	and intensified	human contact that makes me feel truly	experience of two	
They may	workloads but	connected to the workplace and social	single women, early	
have	are often	networks."	career academics who	
generated	overlooked in	This was also explored in the context of	live alone in this	
these first	the neoliberal	possible regret for choosing to live alone	pandemic."	
them explored	academia."	(e.g. rather than starting a family), as		
their own		one thing that added to the sense of		
lived		isolation was not being able to see other		
experiences –		people or to hug them.		
or given their				
own accounts		They also experienced challenges		
then		relating to elements of their academic		
organised		roles, including technological challenges,		
these into		and the way silence is used and		
categories – it		perpetrates their working lives (as well		
isn't clear. It		as their lives overall). For example, one		
looks like		spoke of frustrations with online		
some		teaching and student engagement:		
journaling was		"I had a session where some students		
involved.		did not have a stable Internet connection		
		and a working microphone/audio. We		
		had to revert to written discussion which		
		takes longer even if you type very fast. I		
		figured that the silence can be		
		disconcerting when you can't see them.		
		It seems we need to get used to giving		
		students the space to think and write a		

Silence was also a feature of virtual interactions with colleagues:       Silence was also a feature of virtual interactions with colleagues:         "As a way to keep in touch during the pandemic, monthly coffee meetings in the business school have switched to daily virtual coffee meetings, a virtual place where staff get together. I noticed that unlike other virtual meetings with specific agenda, the virtual coffee meetings have many silent gaps. A sense of awkwardness infuses the virtual environment. I wonder if this is because people are trying to avoid talking over each other or are they uncomfortable with expressing their opinions in these supposedly casual conversations? I keep silent and watch people leave during these silent moments."	Giizen	Online survey	Pepresentativ	Many	"to investigate	response to a question. In another session, only two students attended. Three others logged on, but le~ immediately. I don't know why this happened, perhaps because they were shy or did not have their audio switched on. I can use the share content tool to upload and present PowerPoint slides and share a Chrome tab to play a video. Neither of the students had looked at the preparatory materials beforehand. In the end, we discussed their assignment." Silence was also a feature of virtual interactions with colleagues: "As a way to keep in touch during the pandemic, monthly coffee meetings in the business school have switched to daily virtual coffee meetings, a virtual place where staff get together. I noticed that unlike other virtual meetings with specific agenda, the virtual coffee meetings have many silent gaps. A sense of awkwardness infuses the virtual environment. I wonder if this is because people are trying to avoid talking over each other or are they uncomfortable with expressing their opinions in these supposedly casual conversations? I keep silent and watch people leave during these silent moments."	"This study shows that	Very little on working
2020 conducted e sample of outcome the mental positive outcome of the COVID-19 ten weeks after the from home. The item	2020	conducted	e sample of	outcome	the mental	positive outcome of the COVID-19	ten weeks after the	from home. The item
Netherlands 12 <sup>th</sup> to 19 <sup>th</sup> population, measures health and well- pandemic for 17% (n=142) participants. start of the crisis and used was no validated.	Netherlands	12 <sup>th</sup> to 19 <sup>th</sup>	population,	measures	health and well-	pandemic for 17% (n=142) participants.	start of the crisis and	used was no validated.
June 2020. Subset of were taken, being of adults five weeks after. The sample was		June 2020.	subset of	were taken.	being of adults		five weeks after	The sample was

	people signed up to be part of an earlier survey panel. N = 1519 Mean age 53 (SD 16) years (range 18 to 91), 52% female, 29% lived alone.	The only one assessed in relation to working from home was "Positive aspects of COVID-19", which was an open- ended response item whereby participants were asked whether they could name any positive outcomes emerging from the	in the Netherlands ten weeks after the start of COVID- 19, and five weeks after relaxation of the COVID-19 restrictions" and also "to identify supportive factors to stay mentally well during the pandemic, and if participants were able to identify any positive aspects arising from the COVID-19 pandemic"	The authors speculate: "This might be due to reduced commute times (and fewer trafficc jams), more perceived control and autonomy, greater eefficiency [26] or more time with family and for loved ones."	relaxation of restrictions, peoples' self-reported mental health was better when compared to outcomes of surveys at the start of the crisis. Despite the unprecedented and uncertain circumstances caused by the novel coronavirus outbreak, people were able to perceive positive outcomes, and the majority reported stable and high levels of mental health and well-being."	representative, however. Delay since peak of pandemic – possibility of recall bias (but, on other hand, people had been working from home for a longer period than if they had been surveyed earlier in the pandemic).
		emerging from the COVID-19 pandemic so far.	pandemic"			
Grant 2013 Qualitative	N=11	Wellbeing	To explore the	Communication and support from	Well-being needs to be	
thematic	e-workers,		impact of	colleagues emerged as two critical	considered by those	
UK analysis of in-	across five		remote e-	success factors to ensure successful	managing e-workers,	
depth	organisations		working on the	remote working and to balance the	discussion of social	
Interviews	and three		key research	psychological aspects of wilding	building of	
	Sectors.		life balance job	relationships and interacting including	relationships may pood	
	ΔΠ		effectiveness	where boundaries could be crossed	to be mediated by	
	/	1	Chechveness		to be mediated by	

		worked			soon to offect neuchological well being	face contact with team	
		worked			seen to anect psychological well-being.		
		remotely				members. This would	
		using			Building relationships and maintaining	also enhance trust	
		technology			communication channels both at work	between supervisors	
		independent			with colleagues and relationships	and co-workers.	
		of time and			outside of work emerged as a common		
		location for			theme for maintaining the psychological		
		several years.			well-being of the interviewees. Being		
					able to manage social interaction when		
					away from the office and missing social		
					cues when remote working were also		
					raised.		
					Wellbeing enhancing: Fewer days lost		
					through absenteeism Working from		
					home can relieve stress from travel and		
					child_care issues		
					Wellbeing detracting: Social interaction		
					may be limited to family and local		
					friends. Office		
					grapevine may be missed and important		
					information missed. Sitting behaviours		
					may increase.		
Hall	Online survey	UK employees	How	Unclear To find	Most homeworkers used words like	"Homeworking can	Research question not
2019	administered	who work >2	homeworkin	out what neonle	"free" "in control" and calm to describe	increase employee	clear
LIK	in Sentember	days a week	g makes	thought of	how it makes them feel Around 25%	engagement ich	Very little detail on the
ÖN	2018	from home	neonle feel	working from	described homeworking using words like	satisfaction and	methods Survey
	2010	nomnome	(open-ended	home?	"isolated" "remote" and "lonely"	wellbeing By	conducted by an online
	Descriptive	N - 897	response?	nome:	isolated, remote and lonery.	considering what	nolling company
	statistics	1 - 057	responser		75% of omployers had made	appropriate support	(OnoDoll) on bobalf of
	procented	No			adjustments to connect homoworkers to	appropriate support	
	presented.	domographic			the workplace by "adapting the use of	and adjustments are	provided guides on
		uemographic			the workplace by adopting the use of	necessary to keep up	provided guides on
		information			regular tace-to-tace meetings, video	with a modern	nomeworking – this
		reported			conterencing and dedicated employee	workforce, employers	may represent a COI.
					benefits".	can reap the many	

								benefits that flexible	
								working brings."	
Hallman	Cross-	Office	Acceleromet	"to determine	Sedentariness	, standing and	movement	"We found that office	During the pandemic,
2021	sectional	workers, full-	er-assessed	the extent to	did not differ s	significantly be	tween	workers during the	working in the office
Sweden	online survey,	time	physical	which the 24-h	working from	home (WFH) a	nd working	COVID-19 outbreak in	may have differed
	with diary and	N = 27	activity	allocation of	at the office (\	VAO). Time spe	ent sleeping	Sweden spent more	from 'usual' practices
	accelerometer	81.5% female	(proxy to	time to	(relative to tin	ne spent awake	e) was	time sleeping relative	(e.g. in regard to
	data,	Mean age	physical	different	significantly gr	eater on work	ing from	to awake during days	moving round the
	comparing	43.4 (SD 9.9)	health),	physical	home days that	an for days wor	rking at the	when they worked	building). This does not
	activity		standing,	behaviours	office.			from home, compared	seem to be accounted
	between		sedentarines	changes				to days when they	for.
	working in the		s and sleep.	between days	Sleep time (m	nutes/day):	_	went to the office,	The proportion of the
	office and			working at the	WAO days	WFH days		while physical	sample recruited that
	working from			office (WAO)	Mean (SD)	Mean (SD)		behaviours during	had accelerometer
	home.			and days WFH	460 (50)	494 (63)		work and leisure did	data was very small,
				in office			-	not change markedly.	raising the possibility
	Analysed with			workers during				The observed changes	of selection bias.
	within-subject			the pandemic."	Work time (m	nutes/day):		in 24-h time use during	
	MANOVA.					WAO days	WFH days	days working from	
						Mean (SD)	Mean (SD)	home may be	
					Sedentary	373 (86)	361 (116)	beneficial to health."	
					Standing	102 (63)	88 (63)		
					Moving	37 (17)	36 (27)		
					Leisure time (r	ninutes/day):	1		
						WAO days	WFH days		
						Mean (SD)	Mean (SD)		
					Sedentary	258 (50)	256 (71)		
					Standing	141 (44)	143 (58)		
					Moving	70 (34)	62 (30)		
Hayes	Online survey	People aged	Stress –	To address the	Overall percei	ved stress scor	es were	"The results suggest	Seems like a
2021	(cross-	≥18 years who	assessed by	question "How	significantly hi	gher since rest	rictions	that working from	disproportionately high

USA (and	sectional).	were working	the	have the COVID-	began (mean 19.6, range 0 to 37) than	home may create more	proportion of the
possibly	available 24 <sup>th</sup>	from home	Perceived	19 restrictions	(retrospectively scores) pre-COVID	stress and result in	sample worked
global)	March to 19 <sup>th</sup>	due to COVID-	Stress Scale	impacted	(mean 16.3, range 0 to 34) (t = 9.50, SD =	more burnout, which	exclusively remotely
8.0.00.)	May 2020.	19	(PSS).	perceived stress	5.99. p < 0.0001).	challenges the current	prior to the pandemic.
	,	restrictions.	validated. 10	and work-		moves by some	Retrospectively
	T-tests were		items. 0-4	related burnout	There was a significantly greater	employers to make	reporting stress from
	used for	N = 326	scale, scores	for people who	increase in perceived stress score from	working from home a	prior to the restrictions
	comparisons.		range 0-40.	are now	pre-COVID (retrospectively rated) to the	permanent	may be subject to
		52.2% female,	This was	working from	current time among those whose job	arrangement. The	recall bias, thus reports
		30.7% aged	asked twice,	home?"	typically did not provide opportunities	authors believe that	of changes in stress
		18-34, 38.3%	once in		to work from home (mean increase 3.9,	having research based	may not be accurate.
		aged 35-54	relation to		SD 6.4) than those whose did (mean	on valid and reliable	Used a fairly
		and 31.0%	the month		increase 2.4, SD 5.3) (t(290) = 2.23, p =	instruments will help	heterogeneous group
		aged ≥55	before		0.03).	employers and schools	of professionals, with
		years.	restrictions,			make better decisions	people from various
		40.8% worked	and once		Conversely, those who previously had	about how to support	types of roles and
		exclusively	relating to		flexibility to work from home before the	those who can remain	working patterns.
		remotely	the current		pandemic had higher work-related	at home to avoid the	Potential selection bias
		before COVID-	time.		burnout scores at data collection (mean	potential for secondary	from online survey,
		19 and 43.0%			57.9, SD 21.5) than those without the	outbreaks."	recruited via social
		of those with	Burnout –		flexibility to work from home (mean		media, with little detail
		a non-remote	assessed		41.0, SD 21.6) (t(284) = -16.84, p <		on recruitment.
		job had the	using the		0.0001).		
		flexibility to	Copenhagen				
		work	Burnout		Although women had lower pre-COVID		
		remotely.	Inventory		and during-COVID perceived stress		
			(CBI),		scores than men, however the mean		
			validated, 3		increase in stress scores was higher for		
			components		females (4.2, SD 6.0) than males (2.4, SD		
			(personal		5.8) (t(294) = 2.59, p = 0.01). Women		
			burnout (6		had significantly lower mean work-		
			items),		related burnout scores (43.3, SD 20.8)		
			work-related		than men (53.0, SD 24.6) (t(299) = -3.82,		
			burnout (7		p < 0.0002).		
			items),				
			client-		Those who worked PT and FT did not		

			related		differ significantly in terms of perceived		
			burnout (6		stress scores either (retrospectively		
			items)), 5-		rated) pre-COVID or during-COVID, nor		
			point scale,		on the increase in perceived stress		
			scores		scores. Similarly, those who worked PT		
			ranged 0-		and FT did not differ in terms of work-		
			100. Only		related burnout score.		
			work-related				
			burnout		The challenges of working from home		
			used. Cut-off		most frequently selected were		
			of 50 used		"Maintaining appropriate levels of		
			for high vs.		communication with my		
			low burnout.		team/colleagues" (21.4%), "Managing		
					technology/communication tools"		
			Respondents		(19.2%), and "Managing my		
			were also		time/Avoiding distractions" (18.2%).		
			asked about		15.5% selected "Balancing		
			challenges		personal/family responsibilities with		
			of working		workload", 13.8% selected "Maintaining		
			from home.		productivity", 9.0% selected "Receiving		
					clear communication from		
					supervisors/managers" and 2.8%		
					selected "Other".		
Heiden	Online survey.	Teaching and	General	"to determine	The multivariate ANOVA demonstrated	"The present study	Low response rate
2021		research staff	Health	whether	significant differences between different	showed that frequent	(14%) and the sample
Sweden	Descriptive	(engaged in	Questionnair	frequency or	groups of academics with different	telework was	may not be
	statistics were	teaching	e (GHQ; 12	amount of	telework frequency (p = 0.005),	associated with	representative of
	presented as	and/or	items, 0-3,	telework is	including when adjusting for age,	increased stress among	academic staff in
	proportions,	research for	validated),	associated with	gender, marital status, children at home,	academics that all had	Sweden.
	means and	≥50% of their	Work Stress	perceived	form of employment, commuting time,	the opportunity to	Only one type of
	standard	working time)	Questionnair	health, stress,	and proportion of research performed at	telework. We found no	organisation was
	deviations,	at Swedish	e (21 items,	recuperation,	work, although age, gender, marital	evidence of intrinsic	studied (academic
	and univariate	public	1-4,	work-life	status, and form of employment were	work motivation, work-	institutions) and it is
	and	universities.	validated),	balance, and	significant.	life balance, or general	possible that this type
	multivariate		validated	intrinsic work		health being related to	of work differs from
	analyses of	N = 392	items for	motivation	Separate ANOVAs for each outcome	frequency of telework.	others and thus the

variance were		assessing	among teaching	variable did not show any significant	Nor did we find that	findings may not be
performed on	63% female,	recuperation	and research	differences in health (or GHQ subscales),	amount of telework	generalisable.
the outcome	Mean age	(8 items, 1-	academics"	work stress related to individual	had any association	There is the possibility
measures.	48.9 (SD 9.9)	5, covering		demands and commitment, and	with the outcomes.	of confounders – for
Regression	years,	fatigue and		influence at work, or rest, but did show	The different findings	instance, the authors
models were	79% living	rest /		significant differences on fatigue (F =	for frequency and	note in the Discussion
fitted for each	with partner,	recuperation		3.47; p = 0.032) and work stress relating	amount of telework	section, "It is possible
dependent	88%	), Basic		to indistinct organisation and conflicts (F	support previous	that the main reason
variable, with	permanent,	Psychologica		= 4.80; p = 0.009). Post-hoc tests	studies emphasizing	for teleworking in our
the amount of	Spending a	l Need		revealed that those who teleworked	the importance of	sample was to cope
telework per	mean (SD)	Satisfaction		several times per week or more	considering how	with increasing job
week as an	proportion of	at Work		reported more stress relating to	telework is distributed	demands (Tremblay et
independent	time on	Scale (for		indistinct organisation than those who	over time (cf. Haddad	al. 2006) and that
variable (for	teaching of	assessing		teleworked less than once a month.	et al. 2009) and should	higher frequency of
those who	63% (89),	intrinsic		There were no significant pairwise	be verified in larger	telework implied
provided this	research of	work		differences for fatigue.	samples as they may	working longer hours.
information),	24% (26),	motivation –			have implications for	This could not be
and were	management	not		None of the outcomes were significantly	recommendations	verified in the present
adjusted for	of 8% (17),	extracted),		predicted by the amount of telework per	regarding telework	study but might partly
age, gender,	Mean	and parts of		week in regression analyses.	practice.	explain the tendency
marital status,	commuting	the			Considering the	for high frequent
children, form	time of 72.2	Copenhagen			situation in academia,	teleworkers to rate
of	(SD 127.8)	Psychologica			particularly with	more fatigue." (p.717)
employment,	minutes,	1			respect to work-life	Cross-sectional design
commuting	Mean number	Questionnair			balance among	limits inferences on
time, and	of hours of	e (for			employees, flexible	causality.
proportion of	telework per	assessing			working arrangements	The internal
research	week (n = 190)	work-life			have been proposed as	consistency of the
performed at	15.8 (SD 13.4),	balance –			a means to reduce	influence at work
work.	4% never did	not			stress (Mudrak et al.	subscale of the Work
	telework, 11%	extracted).			2018). In light of the	Stress Questionnaire
	did telework				present findings, we	was low.
	less than once	Telework			argue that teleworking	
	a month, 41%	was			may not ease the	
	several times	assessed			situation. Although we	
	a month, 41%	with the			cannot conclude	

soveral times	itom "How	whather stress is a	
several times	after de ver	whether stress is a	
a week, and	often do you	cause or an effect of	
3% always did	work	frequent telework, the	
telework.	outside your	results show that	
	conventional	academics who	
	workplace?"	telework several times	
	(never, less	per week or more	
	than once a	experience more stress	
	month,	related to indistinct	
	several	organization and	
	times per	conflicts than others.	
	month,	Thus, more attention	
	several	to academics who	
	times per	telework frequently is	
	week,	warranted."	
	always).		
	'Never' and		
	'always'		
	were		
	merged with		
	their		
	adiacent		
	category		
	generating		
	three		
	categories		
	(less than		
	month		
	several		
	times a		
	month		
	nonui,		
	several		
	umes per		
	week or		
	more).		

			A subset of				
			the sample				
			woro askod				
			about the				
			average				
			humber of				
			nours spent				
			teleworking				
			In the past				
			montn.	<i>"</i>		<b>//D</b>	
Henke	Longitudinal	Active	Health risks:	"to examine the	In 2011, of the 3 telecommuting	"Results suggest that	Retrospective data
2016	cohort study	employees of	Obesity	relationship	categories, a greater proportion of non-	employees may benefit	from employee
USA	(retrospective)	Prudential	(BMI ≥30);	between	telecommuters were at risk for obesity,	from telecommuting	records.
	– database of	Financial aged	Depression	telecommuting	depression, poor nutrition, physical	opportunities."	Lifestyle behaviour
	employee	18-64 years	(classified as	intensity and	inactivity (not statistically significant),		tools do not seem very
	data at one	with	high risk if	selected health	tobacco use and Edington score. Off-		specific and do not
	firm	continuous	felt down,	indicators"	hour telecommuters had the highest risk		look like validated,
	(Prudential)	medical	depressed		for alcohol abuse. Prime time		standardised
	from 2010 to	enrolment	or hopeless		telecommuters had the highest risk for		measures.
	2011.	between 2010	in the past 2		stress (but not statistically significant).		
		and 2011,	weeks);				
	General linear	who had	Stress		Adjusted regression estimates suggest		
	mixed models	completed the	(agreed or		that telecommuters were less likely to		
	used to	Health Risk	strongly		be at risk for most health risks studied.		
	predict health	assessment in	agreed with		"Specifically, prime		
	risk status.	2010 and	the		time telecommuters working at least 73		
		2011 with	statement		hours per month (very high intensity)		
		valid nutrition,	"In the past		had a significantly lower risk for alcohol		
		weight and	year, stress		abuse compared with non-		
		exercise	has affected		telecommuters (1.8% vs. 2.9%).		
		values.	my health or		Employees in this group had the highest		
			wellbeing");		DxCG risk score. Prime time		
		N = 3703	High risk for		telecommuters working 9 to 32 hours		
			alcohol		per month (medium intensity) had a		
		62% female,	abuse (≥2		significantly lower risk for physical		
		88% aged <55	drinks per		inactivity compared with non-		

years,	day for	telecommuters (35% vs. 41%). Prime
58% were	females, ≥3	time telecommuters working 33 to 72
prime time	drinks per	hours per month (high intensity) had a
telecommuter	day for	significantly lower tobacco risk
s, 20% were	males);	compared with non-telecommuters
off-hour	High risk for	(4.5% vs. 7.2%)."
telecommuter	nutrition (≤4	
s and 22%	servings of	Low, medium and high prime time
were non-	fruit and	telecommuters had significantly lower
telecommuter	vegetables	Edington risk scores compared with non-
S.	daily);	telecommuters.
	High risk for	
	physical	There were no significant differences in
	inactivity	trends over time apart from that those
	(<3 days of	who telecommuted for ≤8 hours per
	cardiovascul	month (low-intensity telecommuters)
	ar exercise	were likely to reduce their rate for
	per week);	depression at a greater rate than non-
	High risk for	telecommuters over time.
	tobacco use	
	(currently	Across all health risks. "after controlling
	using	for employee characteristics.
	cigarettes):	telecommuters had favourable (but not
	Edington	necessarily significant) obesity.
	score of	depression, physical inactivity, tobacco
	overall risk	use, alcohol abuse, and Edington risk
	(number of	scores compared with non-
	risk factors	telecommuters. Findings varied by the
	ner person -	intensity of telecommuting (i.e. the
	>5 of a list of	category based on the number of hours
	risk factors)	worked from home per month) There
		was a trend for a U-shaped or I-shaped
	Telecommut	relationship: that is employees in the
	ing status	middle-intensity telecommuter
	was	categories had the lowest predicted risk
	hassasse	and the non-telecommuters and very
	assesseu	and the non-telecommuters and very

			through		nign-intensity telecommuters had higher		
			categorisatio		predicted risk. The U-shaped		
			n: prime		relationship was observed for		
			time		depression, poor nutrition, physical		
			telecommut		inactivity, and (to a lesser extent)		
			ers (≥51% of		obesity risk. For alcohol abuse, tobacco		
			remote		use, and Edington risk score, the		
			hours were		predicted probability of being at risk		
			during prime		declined with increasing telecommuting		
			work hours		intensity. For stress risk, the predicted		
			of 0600-		probability of being at risk appeared to		
			1800); off-		increase with increasing telecommuting		
			hour		intensity."		
			telecommut				
			ers (≤50% of				
			remote				
			hours were				
			during prime				
			work hours);				
			non-				
			telecommut				
			ers (no				
			remote				
			hours).				
Hislon	Qualitative –	Self-employed	Participants'	To "examine	General experiences of homeworking	"Positively [ICT] use	Lack of reflexivity In-
2015	open-ended	homeworkers	experiences	how the use of	The homeworkers were broadly happy	enhanced people's	depth consideration of
	interviews	(from a larger	of work and	mobile	with their work with the main benefit	sense of spatio-	issues among a
U.K.	analysed using	study	isolation in	information and	being the spacio-temporal flexibility	temporal freedom by	particular group of
	qualitative	investigating	relation to	communication	inherent in homeworking as they can	allowing them to leave	homeworkers in a
	content	stress and	information	technologies	structure their own time and vary the	the home without	narticular profession
	analysis as ner	wellbeing	and	(ICTs) among	location as needed:	compromising their	but the authors note
	Berg(2006)	among this	communicati	self-employed	"It's flexible work I can start at 5 o'clock	work availability This	this limits
	Findings were	nonulation	on	homeworkers	in the morning and I can be finished by	also helped reduce	generalisahility
	framed in	undertaking	technologies	affects their	10 o'clock so I can have a couple of	neonle's feelings of	Serier ansasinity.
	terms of a	IT-hased office	(ICTs)	experience of	hours to myself to do what I want to	social isolation More	
	combination	support /	(1013).	work focusing	do Lhavon't act to sit around and wait		
	combination	support /		work, tocusing	ao I naven't got to sit arouna ana wait	negatively, their use	

of Nippert-	administrative	particularly on	to start work at 9 o'clock. I can get	enhanced people's	
Eng's	work.	where work is	started early or if I've got only one job	sense of 'perpetual	
boundary		carried out, how	and I need to go out, I can start it 3 or 4	contact', creating a	
work theory,	N = 14	the work/non-	o'clock in the afternoon." (4SJ)	sense that work was	
with an	Gender NR,	work boundary	This enabled workers to balance their	difficult to escape	
'emergent	7 FT, 7 PT,	is managed, and	work with domestic commitments such	from. However, the	
process'	5 with a	people's	as shopping, and also with childcare:	extent to which mobile	
perspective	child/children,	experiences of	"I enjoy being able to slip out and hang	ICTs were used, and	
on socio-	2 with an	social and	my washing out, come back in. I can pop	the extent to which	
technical	adult child at	professional	out to Brent Cross Shopping Centre if I	their impact on	
relations.	home, 7 with	isolation."	need to for an hour, back again and	people's experiences	
	no children,		nobody has particularly missed me." (12	of work were	
	11 lived with		MB)	understood, were	
	spouse, 2 lived		<i>"It's the flexibility of it [work] and I'm</i>	found to vary	
	alone and 1		here for my daughter and it doesn't	significantly,	
	lived with		matter if she's sick, it doesn't matter if	highlighting the agency	
	children only.		she's on school holiday. I haven't got to	that users have with	
			panic about childcare or paying it or	regard to technology	
			That is absolutely fantastic." (4SJ)	use"	
			The "single most negative aspect of their		
			work" was the sense of social isolation,		
			in terms of a lack of opportunity to		
			interact with others for both		
			professional and social reasons. Having		
			no colleagues (peers or managers)		
			meant a lack of support with problem-		
			solving, including after experiencing a		
			stressful situation:		
			"There are times when not having		
			somebody to bounce things off of you		
			know, like when you work in a corporate		
			environment you have other people to		
			talk to and you kind of I have to come		
			up with my own solutions all the time."		
			(1LJ)		

			"You can have a bad time with a client	
			and you've got no one to bounce it off,	
			so you tend to sort of take it all in on	
			yourself" (12BB)	
			Because these people worked as	
			individuals, and even communication	
			with clients was electronic (e.g. via	
			email), a number of participants	
			identified a lack of opportunity to chat	
			and socialise with other people as a	
			negative aspect of homeworking:	
			"It can be very very lonely because you	
			don't get to talk to the client face to face	
			or even on the phone most of the time	
			You don't get to, you know, meet round	
			the water cooler and have a natter and	
			stuff The higgest negative thing is that	
			you just don't see any other adults all	
			day and that can be quite isolating	
			sometimes " (9SD)	
			sometimes. (JSD)	
			ICT-related experienced of	
			homeworking	
			ICT (in particular smartphones) enabled	
			the homeworkers to have flexibility	
			around the location of their work	
			onbancing their experience of spatio	
			tomporal flovibility and which	
			participants approciated:	
			"Pacques the phone is a smartphone and	
			it gets emails on it. It goes off when I get	
			a work amail so I know that somehody's	
			u work emails of know that somebody s	
			that on the phone and see what they	
			that on the phone and see what they	
1			wanti nave been contacted by a client	1

		1		
			while I was shopping in Meadowhall one	
			day who wanted me to do something	
			and I managed to do it on the phone	
			while in Meadowhall and I managed to	
			bill for it as well, so that was great the	
			phone really does give me the freedom	
			to not have to be indoors all the time."	
			(9SD)	
			<i>"I kind of like it when I'm, for example,</i>	
			outside in the sun with a couple of	
			friends and one of my clients is calling. It	
			aives me a areat feelina " (6AI)	
			gives me a great jeeningi (on b)	
			Similarly homeworkers experienced	
			nethooks as similarly liberating allowing	
			them to work from Starbucks or while	
			holidaving for a long weekend on a	
			norrowhoat. The authors note (in the	
			discussion section) that in this way ICT	
			"holped people to address the social	
			isolation that they accessionally	
			superior and " (n220)	
			experienced (p230).	
			This flexibility afforded by ICT could be a	
			double-edged sword, however, with the	
			downside being that clients expect	
			people to be available all the time, and	
			will contact them outside of normal	
			working hours and expect a response:	
			"I think it [a smartphone] forces you to	
			be $24/7$ and you're forever jumping to	
			look at your emails and you never aet	
			away from it I've seen other virtual	
			assistants and all their clients that aet	
			everything to their phone and they're	
			kind of like jumping every five minutes	

					when something comes through and I'd hate that." (5CT) "I don't think they're a good thing or a bad thing. I think they can be a nuisance obviously because you're constantly looking and you just want to have a look Emails come through on the phone, so they're always with me. I do think though sometimes because I'm self-employed, even if I'm on days out, I find myself checking the email because you never know, it just might be that million pound job that someone wants me to do!" (11 PM) "I've got my [smartphone], so that's picking up emails without my computer being on. So I can actually see when I am out and about if an email comes in and it looks urgent, I can choose whether or not to answer itThey're a pain in that you can't put them down, you get addicted to them. But on the other hand, it does give you the freedom to leave the office because you can still pick up stuff and deal with it if necessary." (12 MB) Thus, ICT, in particular smartphones, were viewed as a paradoxical aspect of homeworking		
Hoffman 2021	Online survey.	Individuals who had	Wellbeing	"Explore	Most participants expressed a workplace location preference, with just	Neither PAWB scores	Survey. Self-reported.
USA	Quota	experience	Exploratory	regarding how	over half indicating they preferred	differed significantly by	
	sampling	working from	factor	companion	working from home (51%, n=232) and	workplace location,	
	(90 only had	home and	analysis:	animals factor	39% (n=178) indicating they preferred	nor by the presence of	
	dogs, 90 only	from their	Positive	into the	working from the office. Neither the	dogs or cats in the	
	had cats, 50	employer's	Affective	teleworking	presence of dogs or cats nor the	home.	
	who had both	office.	Well-Being	Experience".	presence of other humans in the		

dogs and cats.		(PAWB) and	household predicted where participants	
150 who had	18 years or	Negative	preferred to work ( $p = 0.68$ )	
neither dogs	older	Affective		
nor cats).	employed	Well-Being	Participants reported spending more	
	full-time not	(NAW/B)	quality	
Logistic	colf	subscales	time with their companion animals and	
regression	amployed	Subscures.	family members when they worked from	
analysis	employeu.		home	
			nome.	
	N-454		Although dogs created distractions for	
			Although dogs created distractions for	
	Age 19 - 72		some participants when teleworking,	
	(101 = 41.3		their	
	years, SD =		presence was also associated with	
	11.5 years).		behaviours that contribute positively to	
	(10)(1 - 277)		well-being. Participants with dogs	
	61% (n=277)		reported socializing more with others on	
	working		days they worked from nome than did	
	exclusively		participants who did not have dogs ( $\beta =$	
	from nome at		0.62, SE = $0.22$ , p = $0.005$ ). Participants	
	the time they		who had dogs also reported getting	
	completed the		more physical activity on days they	
	survey, but		worked from home when compared to	
	only 12% (n =		those without dogs ( $\beta = 0.70$ , SE = 0.19,	
	54) did so		p < 0.001). In addition, dog owners were	
	prior to		more likely than those without dogs to	
	COVID-19		report taking at least one 15-min walk	
			during the workday on days they worked	
			from home ( $\beta$ = 0.93, SE = 0.20, p <	
			0.001).	
			Paired samples t-tests indicated that	
			neither PAWB scores nor NAWB scores	
			differed significantly by workplace	
			location (PAWB: t = 1.17, dt = 453, p =	
			0.24; NAWB: t = −1.74, df = 453, p =	
			0.08). When analyses were restricted to	

					when participants worked from home, neither PAWB scores nor NAWB scores were associated with the presence of dogs or cats in the home.		
Hornung 2009 Germany	Mailed survey. Analysed using structural equation modelling.	People working in German public administration (including teleworkers and non- teleworkers). N = 1008 27.5% female, Mean age 43.6 (SD 8.8) years, 62.6% had a teleworking arrangement (1-4 days per week, mean 1.7 (SD 1.1) days), Telecommutin g intensity ranged 0% to 80%, mean 24.0% (SD 26.3%) of working time.	Quality of life (QoL), assessed using the WHOQOL- BREF, adapted (6 items with the highest factor loadings were selected), 1- 5. Also assessed autonomy, work-family conflict and job satisfaction. Telecommut ing intensity – a percentage calculated from number of	"Hypothesis 1: Positive effects of Telecommuting on Job Satisfaction are mediated by higher Autonomy (H <sub>1a</sub> ) and lower Work-Family Conflict (H <sub>1b</sub> ) Hypothesis 2: Positive effects of Telecommuting on the Quality of Life are mediated by higher Autonomy (H <sub>2a</sub> ) and lower Work-Family Conflict (H <sub>2b</sub> )	Telecommuting intensity (% of working time spent telecommuting) was significantly correlated with QoL (0.10, p < 0.01). In the SEM, there were small but statistically significant positive effects of telecommuting intensity on QoL mediated via both autonomy ( $\beta_{indirect} =$ 0.02, z = 2.56, p < 0.01) and work-family conflict ( $\beta_{indirect} = 0.11$ , z = 5.96, p < 0.01). Adding the direct effects of telecommuting intensity on QoL to the model did not significantly increase the model chi-square ( $\Delta \chi^2_1 = 0.03$ , p > 0.05).	"The efficient design of a flexible working arrangement must consider that not telecommuting per se but the associated higher autonomy and lower work-family conflict are responsible for improvements in perceived quality of work and life."	Response rate 67%. Questionnaires sent to everyone in the sector so minimal chance of selection bias (other than self-selection).

			days worked				
			from home				
			and number				
			of working				
			days				
Hubbard	Cross-	1000-	Rating of	"to explore how	70% of the working-age sample (n=501?)	"The implication here	This is not really
2021	sectional	household	satisfaction	people are	were working from home during COVID.	is obvious: if working	written up like an
UK	survey	segment of	with	adapting to		at home is to be the	academic paper and
	(online)	YouGov's bi-	working	homeworking"	Women reported less satisfaction than	new normal, especially	the reporting lacks
		weekly	from home		men (chi-square 7.011, df =3, p=0.071),	for the 'creative' class	detail. Sample
		London	(single item		as did people with children (chi-square	who can most readily	potentially not
		Omnibus	<ul> <li>response</li> </ul>		7.299, df =3, p=0.063) – especially young	work from home, it	representative as a
		survey	options:		children aged 0-4 years (chi-square 8.01,	seems prudent to	higher proportion of
		(completed on	very		df = 3, p=0.046).	create homes where	people worked from
		Thursday 23	satisfied,			there is sufficient	home than in the
		April 2020),	fairly		A significant predictor of dissatisfaction	working and personal	YouGov national
		including 501	satisfied,		with homeworking was caring for a	space."	sample.
		adults of	fairly		responsible adult (chi-square = 7.837, df		
		working age	unsatisfied		= 3, p = 0.049). No other predictors were		
		currently	or very		listed.		
		working FT or	unsatisfied).				
		PT.			Space/size of living space impacted on		
					satisfaction. Those living in detached		
					homes were 4 times more likely to		
					report being very satisfied with		
					homeworking than those living in flats or		
					apartments in purpose-built blocks (chi-		
					square = 23.744, df= 17, p = 0.070). A		
					greater proportion of those living in		
					properties with ≤4 rooms (64%)		
					reported being very dissatisfied with		
					WFH than those living in properties with		
					≥5 rooms (35%). A greater proportion of		
					those living in smaller properties (70%)		
					reported difficulties in drawing		
					boundaries between home and work		

					than those living in larger properties (30%) (chi-square = 4.994, df = 1, p = 0.025). Qualitative data from the survey suggest that overcrowding or a lack of desk space can be important in relation to satisfaction. For instance, one participant reported: "We are both trying to work from home in a one bed flat with no garden. There's only one table and we both make calls during the day and so one of us works in the kitchen/living room area and the other in the bedroom. Neither of us are comfortable and working sat on a bed is not ideal for multiple reasons. We are both still very busy at work and so there is no time to enjoy the day or get out for a walk until we have finished for the day" (female, 25-34 age, ABC1 respondent).		
				<i>"</i>		<i></i>	
Ignacio Gimenez-	Face-to-face	Employee	Daily diary	"to analyse the	Among males, teleworkers reported	"Using information from the Well-being	Existing dataset, with
Nadal	(American	16 to 65 (not	happiness.	decisions of	tiredness compared with commuters	Module for the years	by responses to
2020	Time Use	including self-	sadness,	individuals who	Among females, teleworkers had	2012 and 2013,	questions on work and
USA	Survey),	employed).	fatigue and	work from	significantly higher happiness levels than	the authors find that	commuting rather than
	pooled data		stress were	home (i.e.	commuters. There were no other	male teleworkers	directly asked about.
	from 2003 to		each rated	teleworkers),	significant differences.	experience lower levels	Large, representative
	2015	N = 5401	0-6 on the	and compare	(But also found that teleworkers worked	of negative feelings	dataset.
	(wellbeing		diary day	them with their	fewer hours than commuters.)	while working than	Several years pooled –

	assessed in	47.9% female,	(throughout)	commuter		do commuters."	unclear on whether
	years 2012	from a range	, and while	counterparts"			data from some of the
	, and 2013).	of industries.	doing three				same respondents may
	using data	Mean age	randomly				have been included in
	from working	43.8 (SD 10.7)	chosen				more than one year.
	davs only.	for males and	activities on				, Hours worked may be
	, ,	43.9 (11.0)	the post-				a confounding variable.
		vears for	diary day.				Cross-sectional data.
		, females.	The authors				therefore cannot
			analysed				establish causality.
			work-related				,
			activities.				
Ingusci	Online survey,	People in	Behavioural	"to explore the	Mean behaviour stress was 2.51 (SD	"Starting from the	Convenience sample
2021	conducted	work during	stress –	effect of work	0.80) on a 1-5 scale (i.e. moderate), and	current global scenario	and snowball sampling
Italy	March to April	the COVID-19	assessed	overload	behavioural stress was significantly	of the pandemic that	used to recruit,
	2020.	pandemic,	using a 7-	(workload and	correlated with workload (r = 0.24, p <	has not yet ceased its	therefore possibility of
		who	item scale,	techno	0.001), techno overload (r = 0.30, p <	effects, the study	selection bias.
	Structural	experienced	1-5,	overload), on	0.001), increasing structural resources (r	suggested decisive	Range of types of
	equation	remote	validated.	behavioural	= -0.19, p < 0.001) and increasing	theoretical and	companies and sectors
	modelling was	working or		stress, meant as	challenging demands (r = -0.21, p <	practical implications.	worked for/in is a
	used to	working from	Also	an outcome	0.001).	Accordingly, findings	benefit.
	examine	home.	assessed	linked to the		extended the current	Cross-sectional design,
	relationships		work	health	In a structural model with good fit	trends in occupational	thus causality was not
	between	N = 530	overload,	impairment	indices (CFI = 0.96, TLI = 0.95, AGFI =	health psychology	directly assessed.
	variables.		job crafting.	process"	0.91, RMSEA = 0.05 (90% CI: 0.05, 0.06),	research, with special	
		60.4% female,			SRMR = 0.06), behavioural stress was	reference to the	
		Mean age			found to be positively related to work	mainstream topic	
		39.0 (SD 11.2),			overload ( $\beta_1$ = 0.48, p = 0.015) and	"work and COVID-19"	
		Mean time			negatively related to job crafting ( $\beta_3$ =	in the Italian context.	
		spent in			–0.38, p < 0.000), with a significant and	Finally, results can give	
		remote			negative indirect effect of work overload	suggestions to	
		working 4.60			on behavioural stress through the	companies engaged in	
		(SD 1.48) days.			intervention of job crafting ( $\beta_{a\times b} = -0.07$ ,	managing change,	
					p = 0.029). This reflects partial	recommending that	
					mediation, as both direct and indirect	they build a	
					effects are statistically significant.	collaborative	

						workplace at the individual and collective level to implement job crafting interventions and enrich the personal and organizational resources of workers, which is useful cope with the current demands."	
Jacukowicz 2020 Poland	Online survey	Traditional office workers (n=200) and online workers (n=189). 60% of office and 82% of online workers were female, and 63% and 82% of office and online workers, respectively, had children <18 years old.	Satisfaction with work- life balance (plus work- life balance, but that is not a relevant outcome to this review, so not extracted). Single item 0 (not at all) to 6 (very much) scale: "Considering your engagement in family life, work and other activities, to what extent	To determine "whether working on-line might predict WLB (which is here depicted by the subjective satisfaction with WLB, negative work-home interaction and the social quality of life), assuming that this type of work will have an adverse impact on employees' WLB."	Working online significantly predicted lower satisfaction with work-life balance ( $\beta = -0.17$ , p < 0.01) and greater quality of social life ( $\beta = 0.13$ , p < 0.05).	"These findings confirm that technology advancement opens a new chapter in organizational psychology and occupational health, especially in the context of the emerging on-line occupations"	Possibility of selection bias due to self- selection. Focused on traditional office work, and could have examined broader range of professions (e.g. customer service). Satisfaction with WLB assessed on a single scale and validity of this measure was not reported, however it has face validity.

			are vou				
			satisfied				
			with the way				
			vou				
			reconcile				
			these				
			spheres?"				
			spireres.				
			Quality of				
			social				
			relationships				
			was				
			assessed				
			using one				
			subscale of				
			the				
			WHOOOL-				
			BREF				
			questionnair				
			e.				
			These were				
			examined in				
			a series of				
			hierarchical				
			linear				
			regression				
			analyses.				
Janssen	Ecological	Recruited	Affect,	To examine "the	Working from home was not related to	"In our study parents,	Working from home
2020	momentary	from the RE-	assessed	impact of the	the increase in parents' negative affect	but not adolescents,	was not a focus of this
Netherlands	assessment	PAIR study –	among both	COVID-19	during the COVID-19 pandemic, as	showed an increase of	study.
	(EMA),	adolescents	parents and	pandemic on	compared with pre-pandemic data.	negative affect in a	The sample size was
	longitudinal,	aged 11 to	adolescents	daily affect and		two-week period (14–	relatively small.
	representative	17), and their	using EMA	parenting of		28 April 2020) during	Strong study design –
		caregivers	procedures,	both Dutch		the COVID-19	longitudinal with EMA.
			using an	parents and		pandemic compared	

		N = 101 (34	adapted and	adolescents"		with a similar two-
		adolescents.	shortened			week baseline period
		67 caregivers)	version of			pre-pandemic. Positive
		07 001 081000	the Positive			affect and parenting
		Parents:	and			behaviours 'warmth'
		56.7% female.	Negative			and 'criticism' did not
		Mean age	Affect			change. It can be
		48.2 (SD 5.79)	Schedule for			concluded that, on
		before COVID-	Children			average, parents and
		19	(PANAS-C) –			adolescents in our
			"How do you			sample seem to deal
		Adolescents:	feel at the			fairly well with the
		64.7% female,	moment?"			circumstances.
		Mean age	with each of			Individuals and families
		16.0 (SD 1.2)	four			differed however to
		years before	affective			what extent the
		COVID-19	states			COVID-19 pandemic
			(happy,			influenced their affect
			relaxed, sad,			and (perspective of)
			irritated)			parenting behaviour.
			assessed on			Living surface, income,
			a 1-7 scale.			having suffered from
			Mean PA			COVID-19 symptoms,
			and NA			helping children with
			scores were			school at home,
			calculated.			working from home,
						going to work,
						difficulties during
						COVID-19, and working
						with COVID-19 patients
						did not explain the
						increase of parental
						negative affect."
Kaduk 2019	Survey (in	IT workforce	Six well-	Evaluate	13% report a 'variable schedule' they	Important to
USA	person)	(Fortune 500	being	whether there	have chosen (voluntary). 9% report a	distinguishing between
		companies).	outcomes:	are differences	variable with little or no choice	voluntary and

		T T					
	Multinomial		work family	associated with	(involuntary).	involuntary forms of	
	logistic	N= 823 (758	conflict, job	flexible work		variable and home	
	regression	after	satisfaction,	practices and	Over 95% of employees report doing	working, even in a	
		removing	turnover	wellbeing	some work at home. 31% do at least	relatively advantaged	
		missing	intentions,	where:	20% of working time at home	workforce.	
		variable	emotional	<ol><li>voluntary,</li></ol>	("substantial remote work") voluntarily		
		responses)	exhaustion	chosen and	and 14% involuntarily.		
			(burnout),	desired by			
		69.6%	perceived	employees, or	20% of those who choose to work at		
		response rate	stress, and	(2) involuntary,	home extensively also report a voluntary		
			psychologica	working over	variable schedule, while only 9% who do		
			l distress.	and beyond	less remote work and 12% of those who		
				conventional	do substantial involuntary remote work		
				times and	have a voluntary variable schedule.		
				places because			
				managers or	Involuntary variable schedules are		
				employers	associated with greater work-to-family		
				require it.	conflict, stress, burnout, turnover		
					intentions, and lower job satisfaction in		
					models that adjust for personal		
					characteristics, job, work hours, family		
					demands and other factors		
					Unexpectedly however involuntary		
					remote work is not clearly linked to		
					these outcomes		
					these outcomes.		
					Voluntary romata work is protactiva		
					and associated with greater ich		
					and associated with greater job		
					satisfaction, lower turnover intentions,		
					in the full medale)		
					in the full models).	<i>«</i>	
Koehne	Semi-	Participants	Personal	To investigate	A lack of possibility for person to person	"Individual remote	very little reflexivity
2012	structured	across a range	experiences	now	social interaction could negatively	workers establish a	
Worldwide	interviews	of industries	of working	individuals	impact on remote workers' wellbeing:	unique kind of work	
(mainly USA,	(phone or	working	trom home,	develop	"We had one person that used to work	rhythm, visibility	
also Estonia,	Internet	primarily from	and coping	strategies to	for us and he was not getting tasks done	management for	

UK, Spain and Mexico)	phone)	home, or who work in the office but have colleagues working from home (P5, P7 and P17). N = 17 29% female	strategies (main focus – only extracted findings relevant to wellbeing)	cope with the daily challenges of working remotely and alone, and what managers can do to help them"	because he was just, I think, lacking enough social interaction from being at home [] The thing about it is he's actually a very - knowing the stuff he's done, he's very competent and talented. So, it really was just coming down to he couldn't be in an environment - because I think he was an extrovert, he couldn't be in such a work environment where he wasn't getting enough of that. And so, he ended up taking a job which was more a level of interaction, working in an office and the whole type of thing." (P3) "I actually have a co-worker started working remotely for a half a year and quit because he cannot justify the remote working structure. He enjoyed seeing people every day, going to an office and the work of the the courd better work of the the top of the top of the top of the top of the courd seeing people every day, going to an	evaluation, social support infrastructure, and personal connection as a part of their coping strategies to balance their professional and personal lives."	
Kroll	Representativ	Representativ	Perceived	To "explore the	found another job which he can go to the office every day" (P11) Social isolation was an issue for 10/17 participants. Remote workers would counteract this by seeking social interaction in their home communities: "The flip side of working remote is - not feeling connected to anything. I was born in [location name], I grew up here, I went to school here. I have lots of friends and colleagues physically here. I have to make the effort, but I can get that kind of action, which I think for somebody who's in the middle of nowhere that would be a lot harder." (P10) Working from home did not have a	"The results from	Working from home

2019	e sample in	e sample of	health –	effects of	significant effect on health when	individual fixed-effects	item is vague.
Germany	several waves	those living in	assessed by	flexible work	controlling for individual heterogeneity	models show that	Controlled for many
	of a panel	private	the question	practices	(b = 0.02, SE = 0.05, ns).	flexitime, sabbaticals	important covariates
	survey – the	households.	"How would	(FWPs) on the		and working from	though.
	analyses of	limited to	vou describe	work attitudes	Job satisfaction was significantly	home significantly	Smaller sample for
	working from	those aged	your current	(iob satisfaction	increased by working from home (b =	increase iob	WFH analyses, as data
	home are	20-60 and	health?".	and turnover	0.21, SE = 0.11, p < 0.05) (alongside	satisfaction. that	available from only 2
	based on data	employees	with	intention) and	flexitime and sabbaticals).	sabbaticals and	years of the survey.
	from the 1999	(not self-	response	non-work		working from home	thus models have
	and 2009	employed).	options	attitudes	There was no statistically significant	significantly decrease	lower statistical power.
	waves.		being verv	(leisure	effect of working from home on leisure	turnover intention and	Authors state findings
	Analysed as	Working from	good, good.	satisfaction and	satisfaction, however (b = $-0.01$ . SE =	that sabbaticals	may not generalise to
	cross-	home sample	satisfactory.	perceived	0.10. ns).	significantly increase	other countries.
	sectional.	n = 6132	poor, bad.	health) of	. ,	leisure satisfaction.	
		employees	Dichotomise	employees		Moreover, we show	
	Fixed effects		d into 1 = at	based on		that it is important to	
	logit models		least	representative		control for individual	
	were used for		satisfactory,	large-scale		unobserved	
	analysis.		0 =	German panel		heterogeneity, such as	
			otherwise.	data"		stable personality	
						traits."	
			Job				
			satisfaction				
			and leisure				
			satisfaction				
			– each				
			assessed by				
			the question				
			"How				
			satisfied are				
			you today				
			with your				
			job/your				
			leisure				
			time?" with				
			for each				
Kubo	Online survey	Office workers	responses ranging from 0 (totally unhappy) to 10 (totally happy). Working from home conceptualis ed as "Do you ever carry out your work activity at home?"	To examine "the	"Those who telecommuted more	"Telecommuters may	The pandemic context
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2021	administered	aged 20 to 65	habits were	relationship	frequently tended to have more	develop unhealthy	may present
Japan	between 22 <sup>nd</sup>	who	assessed in	between the	unfavourable eating habits. Among	dietary habits,	confounders.
	and 26 <sup>th</sup>	telecommuted	terms of	frequency of	workers who hardly telecommuted,	indicating the need for	Cross-sectional and
	December		how often	telecommuting	25.5% missed breakfast, 25.9% ate all	strategies to help	therefore causality
	2020.	N = 13,468	respondents	and unhealthy	meals alone, 1% ate less than two meals	telecommuters	cannot be inferred
			ate	dietary habits	a day, and 6.6% adopted meal	manage their nutrition	(although unlikely that
	URs were	48.8% female,	breakfast (to	among	substitution. The corresponding	and diet."	dietary habits would
	calculated,	30%	assess now	Japanese	proportions among workers who		arrect WFH).
	multinle	at least once	missed	the COVID-19	week were 28 7% 37 0% 2 5% and		WFH) were self-
	logistic	per week	breakfast)	pandemic."	8.4%, respectively."		reported and thus
	regression to	1	and how	1	, , , - , - , - , - , - , -		subject to social
	control for		often they		ORs (95% CI) for those who		desirability biases.
	confounding		ate alone,		telecommuted ≥4 days per week relative		Some potential
	variables.		single items,		to those who rarely telecommuted:		confounders (e.g.
			with		Skipping breakfast: 1.15 (1.03 to 1.29)		bedtime and waking
			response		Solitary eating: 1.44 (1.28 to 1.63)		time) were not
			options "6–7		Lower meal frequency: 2.39 (1.66 to		assessed.
			days per		3.44)		

	week," "4–5	Meal substitution: 1.26 (1.04 to 1.51)	
	days per		
	week," "2–3		
	days per		
	week," "less		
	than 1 day		
	per week."		
	and "almost		
	never."		
	The number		
	of meals per		
	day and		
	adoption of		
	meal		
	substitution		
	was also		
	assessed		
	using single		
	items asking		
	about the		
	frequency of		
	these things.		
	Telecommut		
	ing		
	frequency		
	was		
	assessed		
	using the		
	item "How		
	frequently		
	do you		
	currently		
	telecommut		
	e?" with the		

			response options "more than 4 days per week," "more than 2 days per week," "less than 1 day per week," and "hardly				
Lal 2021 International (mainly UK)	Exploratory, interpretive qualitative diary-keeping study, conducted May to June 2020. Analysed using Miles and Huberman (1994) guidelines, by two researchers.	People who had recently transitioned to WFH during the pandemic N = 29 48% female, 59% in the UK, 69% had previously worked from home.	"There were six standard questions that participants had to consider daily: (i) their working hours; (ii) how they felt personally/ professionall y while working remotely; (iii) whether they had any social interaction with	To investigate "how homeworkers engage in technology- enabled social interactions with colleagues when working from home"	Video calls (particularly when scheduled for all/most of the day) could cause anxiety, tiredness and musculoskeletal problems: "I've noticed I'm becoming a bit more anxious on days I expect to have a video call." (P.4) "I'm sat at the computer for so long that I've been feeling it over the last few weeks it was a long day and I felt tired after back to back video calls throughout the day [I have experienced] mood changes, in terms of increased stress and also the physical effects - such as my shoulders and neck tensing up" (P.30) "Meetings back to back. 10 min lunch break The biggest impact while WFH is I cannot even spare a few minutes to call my Bank to sort out what I want. Day packed with meeting from start to finish." (P.19). Being more contactable (e.g. by senior colleagues) also led to anxiety:	"The main contribution of our study is to highlight that a variety of perceptions and feelings of how work has changed via an increased use of digital media while working from home exists and that organisations need to be aware of these differences so that they can be managed in a contextualised manner, thus increasing both the efficiency and effectiveness of working from home."	Participants not all in the same country. Using a snowball may have inhibited the range of responses gained in this study – also sample fairly homogenous (e.g. most aged 25 to 44 years). Responses were all written, so no opportunity for follow- up questions.

colloaguos:	"My day was busy and it falt a little	
(iv) if we also	iviy day was busy difu it fell a little	
(IV) IT yes to	chaotic as my manager phoned me	
(III), then the	several times throughout the morning	
method of	with new tasks he wanted me to do	
communicati	urgently and I already had a lot to be	
on used,	getting on with so it was a bit stressful	
information	and difficult to manage." (P.12).	
exchanged	"My team leader gave me a task and	
and time of	after 2 hours he kept sending me	
interaction;	messages via teams on updates. At	
(v) whether	some point I felt like I was going crazy."	
they did any	(P.7).	
non-work-		
related	Maintaining interaction while working	
activities to	remotely was also an issue, with a lack	
keep	of face-to-face interaction leading to	
positive, and	worries about colleagues:	
( vi) any	" I needed to ask [a colleague to do a	
other	task] and I haven't seen him since he	
comments	was ill. I worry that without that visual	
they wanted	contact and being able to judge if he is	
to make."	in a place to cope with anything extra to	
	do I might be the straw that broke the	
	camel's back. We judge how people are	
	and use emotional intelligence when we	
	see and chat with them on a regular	
	basis. Judgements are made in the dark	
	when working in this remote manner."	
	(P.21).	
	" there was one of my office colleague	
	who responded very rude to one of my	
	guery. I did wonder, was it working in	
	loneliness that made my colleague to	
	behave in the strange manner." (P.6).	
	Some people reported sleeping for	
excnanged and time of interaction; (v) whether they did any non-work- related activities to keep positive, and ( vi) any other comments they wanted to make."	<ul> <li>Wy team leader gave me a task and after 2 hours he kept sending me messages via teams on updates. At some point I felt like I was going crazy." (P.7).</li> <li>Maintaining interaction while working remotely was also an issue, with a lack of face-to-face interaction leading to worries about colleagues:</li> <li>" I needed to ask [a colleague to do a task] and I haven't seen him since he was ill. I worry that without that visual contact and being able to judge if he is in a place to cope with anything extra to do I might be the straw that broke the camel's back. We judge how people are and use emotional intelligence when we see and chat with them on a regular basis. Judgements are made in the dark when working in this remote manner." (P.21).</li> <li>" there was one of my office colleague who responded very rude to one of my query, I did wonder, was it working in loneliness that made my colleague to behave in the strange manner." (P.6).</li> <li>Some people reported sleeping for</li> </ul>	

					longer in the mornings.		
					Some people missed the small daily		
					social interactions that they usually had		
					at work, although more time with family		
					was also appreciated.		
Limbers	Online survey,	Females aged	Quality of	"to 1) evaluate	Greater levels of parenting stress were	"Our findings suggest	Cross-sectional study.
2020	with	18+ who	life –	the associations	associated with lower physical health	that moderate	Type of physical
US	recruitment	would	assessed	between	quality of life (r = -0.42, p < 0.001), lower	intensity physical	activity not captured.
	though	normally work	through the	parenting	psychological quality of life (r = -0.28, p <	activity may attenuate	Sample was
	Qualtrics	outside the	WHOQOL-	stress, quality of	0.001), lower social relationships quality	the negative impact of	predominantly White,
	online panels.	home but	BREF, 26	life, and	of life (r = -0.21, p < 0.01), and lower	parenting stress on	married and educated,
		were working	items, 5-	physical activity	environment quality of life (r = -0.19, p <	social relationships and	thus generalisability of
	Correlations	from home	point scale,	in a national	0.01). Higher levels of vigorous intensity	satisfaction with one's	results may be limited.
	(Pearson)	completely for	higher	sample of	(r = 0.29, p < 0.001) and moderate	environment in	Study may exclude
	were	≥30 hours per	scores	working	intensity physical activity (r = 0.17, p <	working mothers	those without access
	calculated	week during	indicate	mothers who	0.05) were associated with better social	during the COVID-19	to technology and
	among the	the COVID-19	better QoL.	have	relationships quality of life. Higher	pandemic."	fulfilment of inclusion
	variables.	pandemic,	Assesses	transitioned to	educational status (r = 0.16, p < 0.05)		criteria was based on
	Multiple linear	with at least	physical	working from	and being married (r = 0.21, p < 0.01)		self-report.
	regression	one child aged	health,	home due to	were associated with better social		PA was self-reported
	analysis was	≤5 years who	psychologica	the COVID-19	relationships quality of life. Higher levels		and may have been
	conducted for	lives with	l health,	pandemic, and	of moderate intensity physical activity		subject to recall bias
	the 4	them ≥50% of	social	2) examine if	were associated with lower physical		and social desirability
	WHOQOL-	the time.	relationships	physical activity	health quality of life ( $r = -0.20$ , $p < 0.01$ ).		bias (despite using a
	BREF domains.		and	moderates the			validated measure).
		N = 200,	environment	association	In regression analyses, all four QoL		
		Mean age	al health.	between	domains were predicted by parenting		
		33.5 (SD 6.25)		parenting stress	stress, after controlling for socio-		
		years	Parenting	and quality of	demographic variables (maternal marital		
			stress –	life in this	status, annual income, maternal highest		
			assessed	sample of	level of education). For social		
			using the	working	relationship QoL and environment QoL,		
			Parental	mothers"	this relationship was moderated by		
			Stress Scale		moderate intensity PA, such that the		
			(PSS), 18		negative stress on the outcome was		

	items 1-5	weaker for those who engaged in higher	
	total scores	levels of moderate intensity PA	
	computed		
	higher		
	scores		
	indicato		
	greater		
	levels of		
	parenting		
	stress.		
	Physical		
	activity (PA)		
	– assessed		
	using the		
	IPAQ short		
	form, where		
	participants		
	reported the		
	numbers of		
	days and		
	minutes/hou		
	rs over the		
	last 7 days		
	that they		
	engaged in		
	walking,		
	moderate		
	PA, and		
	vigorous PA.		
	MFTs were		
	computed.		
	Higher MFTs		
	indicate		
	higher levels		
	of PA		
	ot PA.		

Lundberg	Repeated	Full-time (>35	Psychophysi	"to investigate	There was no significant difference in	"Blood pressure was	Those who took part in
2002	measures	hpw) white-	ological	physiological.	self-ratings of stress between telework	significantly higher	the field study were
Sweden	observational	collar workers	reactivity.	psychological.	and office work.	during work at the	not significantly
	field study.	at a Swedish	using an	learning, and		office than when	different from
	,	government	automatic	social factors	Men had higher SBP than women.	teleworking at home.	employees who did not
		authority who	ambulatory	related to	therefore separate analyses were	and men had	participate, in terms of
		worked ≤3	blood	telework. with	undertaken by sex.	significantly elevated	family situation, work
		davs at the	pressure	the present		epinephrine levels in	characteristics. overall
		office and $\geq 2$	, monitor on	study focusing	Women had significantly higher daytime	the evening after	health, and symptom
		days per week	three	on the	SBP at the office than during telework or	telework at home. It	reports, but those who
		at home.	separate	psychophysiolo	relaxation, but no differences between	was assumed that the	took part in the field
			days	gical reactions"	telework and relaxation. Men had	lower cardiovascular	study were
		N = 26	(awakening		significantly higher daytime SBP at the	arousal during	significantly younger
			to 8pm):		office than during relaxation at home,	telework is due to	and had higher levels
		46% female,	(1) During a		but no significant differences between	different work tasks	of education and
		Mean age	normal		office work and telework, or between	and that elevated	seniority of position.
		41.7 (SD 11.2)	day when		telework and relaxation.	epinephrine levels in	Small sample size,
		years, range	working			men after telework are	which may limit power
		24 to 62 years,	at the		Both women and men had significantly	caused by continued	in some comparisons.
		all executive	office;		higher daytime DBP at the office than	work after normal	Order effects were not
		officers (n=19)	(2) During a		during relaxation. Men but not women	working hours."	randomised, although
		or in a	workday		had significantly higher daytime DBP		there was some
		comparable	at home;		during telework than relaxation.		difference in terms of
		position (n=7).	(3) During		Women, but not men, had significantly		the first session.
			relaxatio		higher daytime DBP during work at the		
			n at		office than during telework.		
			home.				
					There were no differences between		
			Each day		sessions for men or women on daytime		
			was 5-10		HR, or on evening HR, SBP or DBP.		
			days apart				
			and not		Women had significantly higher daytime		
			within the		epinephrine levels during telework than		
			same		relaxation, and during office work than		
			working		relaxation. Men had significantly higher		
			week.		daytime epinephrine levels during office		

	work than relaxation, but not during	
Uripany	telework	
onnary	Leiework.	
	There was no significant affact of	
nes anu	There was no significant effect of	
salivary	session for daytime norepinephrine for	
cortisol were	men, but women had significantly higher	
also	daytime norepinephrine levels during	
measured at	office work than relaxation, and during	
regular	telework than relaxation.	
intervals		
during this	There was no significant effect of	
period.	session for evening epinephrine for	
	women, but men had significantly higher	
Participants	evening epinephrine levels after	
also gave	telework than a day of relaxation, and	
baseline	after a day of office work than a day of	
physiological	relaxation. There was no significant	
readings	effect of session for evening epinephrine	
during a day	in either group	
off from		
work at the	There were no significant effects of	
local	session for cortisol at any time period	
authority's	session for contisor at any time period.	
autionity's		
expense,		
spent		
reading light		
(non-work-		
related)		
material and		
listening to		
music.		
Participants		
also		
reported		
self-rated		

			health				
			(single item.				
			(0.1.8.0 (territ)				
			wellheing				
			(Ruff's				
			(Nyii S Devehologica				
			PSychologica				
			T well-Being				
			Scales, 3				
			items, 1-6).				
			Work				
			VVOIK				
			characteristi				
			cs were also				
	-		assessed.	"		<i>"</i> ••••••••••••••••••••••••••••••••••••	
Magnavita	Survey	People	Occupationa	"to evaluate	Occupational stress (effort-reward	"In conclusion, the	High response rate
2021	(assumed face	working for	l stress,	how workers	imbalance) increased with off-time	transition from	(99.4%).
Italy	to face,	trade and	assessed	employed in	work, intrusive leadership, workaholism	traditional office work	
	completed	service sector	using the	companies that	and age.	to telecommuting is a	
	during	companies	Siegrist	made limited		profitable and	
	medical	that made use	Effort/Rewar	use of	Happiness increased with off-time work,	unstoppable	
	examination),	of part-time	d Imbalance	telecommuting	was higher in males, and decreased with	phenomenon.	
	completed in	telecommutin	(ERI) model	were affected	workaholism and age.	Telecommuting is	
	2019.	g (<10 h per	short	by occupational		certainly a practical	
		week) / hybrid	questionnair	stress,	Anxiety increased with intrusive	way of improving	
	Analysed	working, in	e, 10 items,	happiness, and	leadership, workaholism and age, and	production, integrating	
	using SEM.	one region of	4-point	common mental	was higher in females.	workers with	
		Italy.	scale,	issues (CMIs),		disabilities, diminishing	
		-	validated.	i.e., relatively	Depression decreased with off-time	commuting and	
		N = 905		high levels of	work, was higher in females, and	environmental	
			Common	anxiety and	increased with workaholism and age.	pollution, and reducing	
		36.6% male,	mental	depression		the spread of infection.	
		Mean age	issues,	symptoms."	There was an interaction effect of	However, great	
		45.93 (SD	assessed		workaholism and intrusive leadership on	attention must be	
		11.39)	using the		occupational stress, such that intrusive	given to ensuring that	
			Goldberg		leadership had a stronger effect on	this type of remote	
			Anxiety and		effort-reward imbalance among workers	working is	

			ь ·				
			Depression		with high workanolism, but not low	accompanied by a	
			Scale		workaholism (looks like a moderating	correct style of	
			(GADS), 9 +		effect of workaholism on the	leadership and respect	
			9 binary		relationship between intrusive	for the privacy and	
			items,		leadership and occupational stress).	needs of workers."	
			validated.				
					Occupational stress, happiness,		
			Happiness,		depression and anxiety were all		
			assessed		significantly correlated in the expected		
			using a		direction.		
			single item				
			('Do you				
			need happy				
			in general?').				
			0-10.				
			0 201				
			Also				
			assessed				
			workaholism				
			ioh				
			, job demand and				
			intrucivo				
			loodorship				
			leadership				
			style.	<b></b>			
Mann 2003	Study 1:	Teleworking	Stress.	Examine the	All teleworkers had previously been	There is a greater	
USA	qualitative	and office-	Loneliness.	psychological	office-based and had voluntarily chosen	percentage of	
	interviews,	based	Enjoyment.	impact of	to	teleworkers than	
	comparing the	journalists.	Irritability.	teleworking	work from a home-base. Office-working	office-workers who	
	emotional		Worry.	compared to	participants had had no opportunity to	experience the	
	impact of	8 Male, 4	Resentment.	office-based	follow an alternative working pattern.	negative emotions of	
	work patterns	Female (study	Frustration.	work.	All the teleworkers had an area	loneliness, irritability,	
	on	1)			specifically devoted to their office space	worry and guilt. The	
	teleworking		Physical		and the	negative emotional	
	and office-	17 Male, 15	health was		technological equipment necessary,	impact of loneliness on	
	based	Female (study	measured by		including PC, e-mail and fax, to carry out	teleworkers was	
	journalists.	2).	self-		their job. The teleworkers had no set	especially evident and	

N=12		reported	time to visit the office and face-to-face	was not experienced at
Study 2:	Teleworking	frequency of	contact was minimal.	all by the office-
quantitative	participants	physical		workers.
questionnaire-	followed this	symptoms	Results suggest a negative	
comparing the	working	associated	emotional impact of teleworking.	It is of interest to note
occupational	pattern	with	particularly in terms of such	that even though the
stress and	(minimum of 3	occupational	emotions as loneliness, irritability, worry	office-workers in Study
health	days per	stress	and guilt, and that teleworkers	1 reported
symptoms of	week) from	Mental	experience significantly more mental	experiencing more
office-workers	3mths to	health was	health symptoms of stress than office-	stress, it was the
and	10vrs (average	measured by	workers and slightly more physical	teleworking group in
teleworkers	3vrs 2mths)	the feelings	health symptoms	Study 2 who showed
teleworkers	out of a total	and	neutri symptomor	more symptoms of
	average	behaviours	Independent t-tests were carried out to	stress. This throws up a
	working time	that were	investigate whether there is any	number of issues
	of 17vrs	perceived	difference	regarding the
	11mths	to be	in the mental and physical health scores	correlation between
	Office-	affected by	for the teleworkers and office-workers	subjective reports of
	workers had	the pressure	and	'feeling stressed' and
	spent from	of the job	revealed there was a significant	actual stress
	1vr 4mths to		difference between the mental health	symptoms: It could be
	17vrs		scores f (t = 1.85, df = 60, $n < 0.5$ )	argued that the
	following their		indicating higher levels of emotional ill	symptoms of stress
	working		health for the teleworkers. There was no	and
	nattern		significant difference between the	their associated effects
			nhysical health scores for the	on health are more
	(average of gurs 2mths)		teleworkers and office-workers (t = 1.05	important to consider
	out of a total		df = 60  ps	than whether
			ui – 00, 113).	individuals claim they
	working time		$\Delta$ 2 ¥ 2 between subjects $\Delta NOVA$ was	do or do not 'feel
	of 11vrs		carried out on the mental and physical	stressed'
	7mths		health scores by the two conditions of	Sucsea
	/		gender and working nattern. There was	
			a significant main effect of gender on	
			the mental health scores $F(2, 58) =$	
			6 072 but no significant main effect of	
nealth symptoms of office-workers and teleworkers	days per week) from 3mths to 10yrs (average 3yrs 2mths) out of a total average working time of 17yrs 11mths. Office- workers had spent from 1yr 4mths to 17yrs following their working pattern (average of 9yrs, 2mths) out of a total average working time of 11yrs 7mths.	stress. Mental health was measured by the feelings and behaviours that were perceived to be affected by the pressure of the job.	and guilt, and that teleworkers experience significantly more mental health symptoms of stress than office- workers and slightly more physical health symptoms. Independent t-tests were carried out to investigate whether there is any difference in the mental and physical health scores for the teleworkers and office-workers and revealed there was a significant difference between the mental health scores f (t = 1.85, df = 60, p < .05), indicating higher levels of emotional ill health for the teleworkers. There was no significant difference between the physical health scores for the teleworkers and office-workers (t = 1.05, df = 60, ns). A 2 ¥ 2 between subjects ANOVA was carried out on the mental and physical health scores by the two conditions of gender and working pattern. There was a significant main effect of gender on the mental health scores, F(2, 58) = 6.072, but no significant main effect of	I reported experiencing more stress, it was the teleworking group in Study 2 who showed more symptoms of stress. This throws up a number of issues regarding the correlation between subjective reports of 'feeling stressed' and actual stress symptoms; It could be argued that the symptoms of stress and their associated effects on health are more important to consider than whether individuals claim they do or do not 'feel stressed'

	working pattern on the mental health	
	scores, F(1, 58) = 3.501, ns. There was	
	no significant interaction effect between	
	gender and working pattern on the	
	mental health score, F(1, 58) = .755, ns.	
	There was a significant main effect of	
	gender on the physical health scores,	
	F(1, 58) = 4.237, p < .05, but no	
	significant main effect of working	
	pattern on the physical health scores,	
	F(1, 58) = .984, ns. There was no	
	significant interaction effect between	
	gender	
	and working pattern on the physical	
	health score, F(1, 58) = 2.987, ns.	
	Office-workers appeared to experience	
	additional stress due to office politics	
	and transport and travel to work.	
	Teleworkers may also experience a	
	decrease in stress attributable to the	
	perception of having control over their	
	work (environment and work	
	schedules).	
	Teleworkers emphasise the lack of social	
	support available to talk things through	
	which could produce other negative	
	emotions such as feelings of insecurity	
	and lack of confidence in their abilities.	
	Loneliness was not experienced by office	
	workers.	
	The intrinsic rewards gained from their	
	employment may motivate teleworkers.	
	to some degree, to overcome negative	

		1		
			emotions such as loneliness. Office-	
			workers may not experience as much	
			resentment towards travel to work if	
			they are looking forward to their	
			working day.	
			Teleworkers experience more negative	
			emotions than office-workers relating to	
			this area and one of the main aspects is	
			the irritation caused by being physically	
			distant	
			from the source of any problems. This	
			social isolation can restrict the ability to	
			sort out	
			issues, leading to frustration, and	
			prevent emotional support from fellow	
			workers to	
			help deal with the situations. Another	
			cause of irritation for the teleworkers	
			seems to	
			be the intrusion of family members into	
			work time. This blurring of boundaries	
			between work and home life, as other	
			family members have difficulty in	
			distinguishing the work role from the	
			family role, may lead to feelings of	
			frustration, anger and stress.	
			The worry that the office-workers'	
			experience is work related involving the	
			actual practicalities of the job. The main	
			worry for teleworkers seems to be lack	
			of support. This may leave them feeling	
			worried, panicky or fearful regarding	
			their ability to complete a task	
			effectively	
			chectively.	

					Organisations perceive telework as attractive due to expectations of greater productivity and the pressure this creates may contribute to the guilt teleworkers experience if they have control over their work scheduling. This may also lead to worry about achieving deadlines. Although teleworkers direct the frustration towards technology, office workers relate it more to other people.		
Mari 2021	Online survey, conducted	People aged ≥18 years	Stress, assessed by	"to investigate whether there	There were no significant differences between professional groups on the PSS	"All workers have had to readjust to this new	The professions were grouped by the
Italy	from 1 <sup>st</sup> to	currently	the	are differences	(perceived stress), nor on the perceived	way of working, but	authors (apart from
	30 <sup>th</sup> April	employed and	Perceived	in the	self-efficacy subscale. For the perceived	our results show that	teachers).
	2020.	doing 'smart	Stress Scale	psychological	helplessness subscale, teachers had a	teachers were the	Cross-sectional survey
		work'	(PSS), 10	variables	higher mean score (11.07, SD 3.90) than	most affected, both in	so problematic to infer
	Differences	(working from	items, 0-4,	related to four	managers (9.79, SD 3.81).	the perception of their	causation.
	between the	home only).	validated.	groups of		psychological well-	Convenience sampling
	tour groups of			professional	In terms of coping, on the emotion-	being and in the	may leave this study
	employees	N = 628	Coping with	categories	oriented coping subscale, teachers had a	management of the	open to selection bias,
	(practitioners,	700/ (	stress was	(practitioners,	higher mean score (7.37, SD 2.78) than	smart working mode."	along with online
	managers,	78% female,	assessed	managers,	practitioners (5.78, SD 2.84), managers		sampling and
	executive	Mean age	using the	executive	(6.32, SD 2.95) and executive employees		administration.
	employees,	42.3 (SD 10.5),	Coping	employees,	(6.31, SD 2.60).		sample may not be
	teachers)	age range 21-	to Problems	norticularly the	Attitudes and oninions on smart working		representative.
	evamined	70, 80% had at	Experienced	teachers group"	- the one item that seemed to relate to		
		least one	– New	tedeners group	wellbeing was 'Smart working is		
	with post-hoc	degree.	Italian		convenient for the company and the		
	tests.	26% were	Version		employer'. Teachers' mean scores were		
		practitioners	(COPE-NVI),		lower on this item (3.07, SD 1.03) than		
		(e.g. lawyer,	using 8 out		for practitioners (3.70, SD 0.902),		
		psychologist,	of the		managers (3.99, SD 0.941) and executive		

accountant),	original 25	employees (3.92, SD 0.922).	
20% were	items, 0-4,		
managers,	validated.	No significant differences were found	
29% were		between groups on time perspective.	
executive	Temporal		
employees,	perspectives		
25% were	of		
teachers.	individuals,		
	assessed		
	using the		
	Stanford		
	Time		
	Perspective		
	Inventory		
	(STPI-Short		
	Form), 0-4,		
	validated.		
	Attitudes		
	and opinions		
	on smart		
	working,		
	assessed		
	using a scale		
	developed		
	by the		
	authors, 5		
	items, 1-5.		
	Attitudes		
	and moods		
	about the		
	new		
	coronavirus		
	were		
	assessed		

			with a scalo				
			doveloped				
			uevelopeu				
			by the				
			researchers,				
			8 items, 1-5.				
Mellner	Online survey	Employed	Sleep	"to test a	Working from home was negatively	"In this context [of	Response rate 42%.
2017	administered	professionals	duration,	theoretical	related with sleep duration	boundaryless working	Sleep duration self-
Sweden	in 2013.	working in	assessed by	model of the		conditions], not being	reported.
		one of four	how many	inter-		able to free oneself	
	Analysed	large	hours were	relationships		from work-related	
	using SEM.	organisations.	slept on	between		feelings and thoughts	
	_		average	boundaryless		during leisure may be	
		N = 3846	before a	work in time		interpreted as the dark	
			working day	and space,		side of freedom as	
		62% male.	over the	weekly work		employees run the risk	
		Mean age 48	past week.	, hours.		of working 'anytime –	
		vears	•	psychological		all the time', and as	
		,	Sleeping	detachment and		such, of 'always being	
			problems	sleening		on' resulting in	
			nsvchologica	nrohlems as		disturbed sleen "	
			l	well as sleen		distance sieep.	
			detachment	duration with a			
			wookly work	focus on the			
			bours and	specific role of			
			nours and	specific role of			
			work time	each factor			
			and space				
			were also				
			assessed.	<i>"</i>		<i>"</i> ••••••••••••••••••••••••••••••••••••	
Molino	Online	Italian	Technostres	"to investigate	Significant positive correlations were	"Among the main	Variety of occupational
2020	questionnaire	workers	s creators –	technostress	found between behavioural stress and	findings, results	sectors. Cross-sectional
Italy		(convenience	measured by	during the	work-family conflict (r=0.23), the three	highlighted positive	design is a limitation,
	Completed	sample)	the	Covid-19	techo-stress creators (techno-overload,	associations between	as is the convenience
	April 2020	N = 749	validated 11-	emergency"	techno-invasion and techno-complexity;	the three techno-	sampling (and little
		59% female,	item brief	using "the	r=0.22, r=0.24 and r=0.23, respectively),	stressors and the two	detail on recruitment is
	Pearson's	mean age 38.7	Italian	Italian	and workload (r=0.19) (all p<0.01).	outcomes, confirming	reported). Only
	correlation	(SD 11.3)	technostress	translation of	Work-family conflict was also positively	the necessity to deal	examined 3 out of the

coefficients	vears	creators	the brief version	correlated with the three techno-stress	with the massive use	5 techno-stress
and	63% were	scale	of the	creators ( $r=0.35$ , $r=0.48$ and $r=0.19$	of technologies for	creators examined by
Cronbach's	working from	consisting of	technostress	respectively) and workload $(r=0.47)$ (all	work nurnoses and its	the same authors in
alphas were	home for a	techno-	creators scale"	n < 0.01) Remote working was positively	negative	the validation study
calculated	mean / 7 (SD	overload (A	(and also to test	correlated with techno-overload	consequences	Also emotional
calculated.	1 2) days por	itoms)	tho	(r=0.20) to show invasion $(r=0.25)$ and	Moreover the study	distross related to the
Actructural	1.5) uays per	tochno	nsychomotric	(1-0.23), techno-invasion $(1-0.23)$ , and workload $(r=0.12)$ (all $p<0.01$ ) but not	indicated both	COVID 10 papdomic
A structural	WEEK.	invasion (2	psychometric	workload (1=0.13) (all $p<0.01$ ), but not	mulcated both	covid-19 pailuetinc
equation	56% ulu liut	itoms) and	of this scale	behavioural stress ( $1-0.07$ ), work-failing	working as	emergency situation
model was	nave children,	items), and	(h a fama h a mal)	(r=0.01)	working as	was not considered.
performed to	53% were	techno-	(berorenand) –	(r=0.01).		some factors may have
test the	permanent,	complexity	but this was not		technostress creators;	confounded the
hypothesised	21% fixed	(4 items),	extracted)	The hypothesised model fitted to the	as suggested above,	analysis (e.g., authors
model,	term and 20%	each rated		data well (X <sup>-</sup> (154) = 502.58,	interventions on	suggest personality
controlling for	self-employed	on a 1 (SD)		p < 0.001, CFI = 0.96, TLI = 0.95, RMSEA	working cultures and in	traits) but were not
remote	(6% had other	to 5 (SA)		= 0.06 (90% CI: 0.05, 0.06), SRMR =	the human resources	examined.
working as a	types of	scale.		0.04). Workload was positively related	management field are	
dichotomous	contracts).			to techno-invasion, techno-overload,	necessary to prevent	
variable (1 =		Workload –		techno-complexity and work-family	negative consequences	
remote		measured by		conflict. Techno-invasion was positively	of technology use and	
working ≥2		3 items		related to work-family conflict, which	to foster a positive	
days/week; 0		(each on a 1		was positively related to behavioural	implementation of	
= traditional		to 5 scale),		stress. Techno-overload and techno-	remote working."	
working).		high score		complexity were directly (positively)		
		indicating		related to behavioural stress. Remote		
Hypothesised		high		working was positively related to		
model (Figure		workload.		workload, techno-invasion and techno-		
2):				overload, and negatively related to		
		Work-family		work-family conflict and behavioural		
a Carta Carta		conflict –		stress (i.e. the sample had lower family		
		measured by		conflict and behavioural stress when		
(see below)		3 items		working from home than traditional		
, , ,		(each on a 1		working, as tested in this model).		
		to 5 scale),				
		high score		See Figure 3:		
		indicating		Deces To be		
		high conflict.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		-		had farmer and had		

r							
Moretti	Cross-	Administrative	Behavioural stress – measured by 8 items from the Copenhagen Psychologica I Questionnair e (each rated on a 1 to 5 scale), high score indicating high stress. Work-	"to examine the	39.2% reported experiencing lower	"Depending on our	Little detail on
2020	sectional	officers who	related	impact of home	stress since working from home, 33.3%	data, the home	recruitment.
Italy	survey,	moved to	stress – not	working on	reported higher stress and 27.5%	environment seems to	Small sample size.
	possibly	work online	details on	perceived job	reported equal stress between WFH and	be not adequate in the	Cross-sectional design,
	administered	during the	how this was	productivity and	in the workplace.	mobile worker	so therefore cause and
	by telephone,	COVID-19	assessed.	satisfaction,		population, with an	effect cannot be
	or online (not	pandemic, in		work-related	39.2% reported lower self-perceived	increased risk for	established.
	clear from	the Campania	Jop	stress, and	productivity, 29.4% higher productivity,	mental health and MSK	Influences on
	paper).	kegion.	satisfaction	musculoskeletal	and 27.5% perceived no difference in	problems, particularly	productivity,
		N - 51	- assessed	(IVISK) ISSUES.		Addressing these	issues may not have
			Utrecht		35.3% perceived lower satisfaction	issues can significantly	been accounted for
		56.9% female.	Work		13.7% higher and 51% equal iob	reduce risks for health.	
		Mean age	Engagement		satisfaction.	thus, improving job	
		46.7 (SD 11.3)	Scale			productivity and	
		years.	(UWES), 17		In terms of advantages listed, 82.4%	satisfaction and	
		56.9% had ≥3	items, 0-6, 3		agreed that WFH saved travel time,	reducing cost."	
		cohabitants,	dimensions		23.5% reported that they had time		
		29.4% had	(vigour,		flexibility, 9.8% experienced greater		
		children to	dedication		autonomy, 25.4% experienced more		

la al aftar	and	time an entry with family and 11.00/ fait
look after.		
	absorption)	they had enhanced attention WFH.
	Productivity	In terms of disadvantages listed, 40.6%
	– self-rated,	agreed there were distractions in the
	no details	domestic environment, 9.8%
	reported.	experienced planning difficulties, 41.2%
		experienced impaired interaction with
	Predictor	colleagues and 23.5% experienced
	variables	technical failures.
	assessed	
	included: job	Regarding health problems, 70.5% of
	level,	participants reported MSK pain (41.2%
	cohabitants	back, 23.5% neck, 7.8% shoulder, 7.8%
	(esp	hip, 7.8% knee, 5.9% thigh and 3.9%
	children),	elbow). Low back pain and neck pain
	remote	were more severe and interfered more
	working	with everyday activities. Neck pain
	experience,	worsened in 50%, improved in 8.3% and
	factors that	was the same in 41.7% of participants,
	might	whereas lower back pain worsened in
	improve or	38.1%, improved in 14.3% and was the
	decrease	same in 47.6% of participants. Home
	productivity.	workers without pain reported
		significantly higher iob satisfaction than
	Also	those with pain.
	assessed low	
	back pain	
	and neck	
	pain, and	
	beliefs about	
	how physical	
	activity and	
	work	
	contribute	
	towards	
	towarus	

			these.				
Perry 2018	2 studies:	Study 1:	Study 1:	To "extend the Demand-	Study 1:	"Thus, our results support the DCP and	All measures were self- reported.
Perry 2018 USA	2 studies: Study 1 – online survey, 2-wave (3 months apart). Analysis by hierarchical ordinary least squares regression. Study 2 – Online survey (cross- sectional). Analysis by multilevel modelling with random intercepts.	Study 1: Full-time working adults. N = 258 55% female, Mean age 55 years. Study 2: Full-time professional employees from 3 Southern USA organisations. N = 145 41% female, Mean age 44.3 years, 39% minority ethnic group	Study 1: Emotional stability, assessed by to 10-item subscale of the IPIP Big Five personality scale, 1-5. Strain, assessed by the Oldenburg Burnout Inventory (8 items) to measure exhaustion and disengagem ent, and the Cammann job dissatisfactio n measure (3 items), 1- 5.	To "extend the Demand- Control-Person (DCP) model to test both person and job factors as important considerations in remote work, suggesting that emotional stability influences the utility of autonomy as a job resource in protecting employees from strain." Also to "test self- determination theory (SDT), positioning need satisfaction for autonomy, relatedness, and competence as mechanisms explaining the	Study 1:Correlations – remote work was only correlated with disengagement aspect of strain.Model – Individuals reporting high autonomy and low emotional stability may experience more strain when they work remotely more often, compared with those reporting high autonomy and high emotional stability. [N.B. Looks like emotional stability. [N.B. Looks like emotional stability is a moderator]Study 2:Correlations - the extent of remote work was not significantly correlated with any of the strain outcomes or forms of need satisfaction.Model – There was a significant remote work × autonomy interaction for exhaustion, such that there was "a positive remote work-exhaustion slope among employees reporting low autonomy (0.82; t = 2.12, p < 0.05) and a seemingly negative but non-significant relationship among those reporting high autonomy (slope = -1.20; t = -1.68, p = 0.10)."	"Thus, our results support the DCP and SDT models, revealing theoretical and practical implications for designing and managing remote work arrangements."	All measures were self- reported. Neither study was longitudinal, which precludes causal inference. The overall extent of remote work was low, and thus relationships may not just apply to strain and autonomy in remote work but work in general (although rates of remote work were consistent with other similar research). Low response rate for Study 2 (23.%), unknown response rate for Study 1.
			and demographi cs were also	relationship between remote work	For the remote work × autonomy × emotional stability interaction in relation to strain, those with high autonomy and high emotional stability exhibited the		

assessed.       and strain."       lowest overall level of strain compared with other combinations of these predictor variables.         Remote       predictor variables.         work was       assessed by         Need satisfaction significantly mediated	
Remote     predictor variables.       work was     assessed by	
Remote     predictor variables.       work was     assessed by       Need satisfaction significantly mediated	
work was     Need satisfaction significantly mediated	
assessed by Need satisfaction significantly mediated	
an item the relationship between autonomy and	
asking strain.	
respondents	
to report Autonomy and relatedness need	
the satisfaction fully mediated the	
proportion relationship between remote work and	
of the both exhaustion and disengagement.	
workweek	
spent	
working	
remotely	
from the	
office, from	
1 [none] to 5	
[76-100%].	
Remote	
work,	
autonomy,	
and	
emotional	
stability	
were	
assessed at	
Time 1;	
strain was	
assessed at	
Time 2.	
Study 2:	

Strain was assessed by the same measures as in Study 1. Autonomy, need satisfaction and demographi cs were also assessed. Remote work was assessed by asking how many hours were worked remotely each week and then how many hours were worked remotely each week and then how many hours were worked and then how many hours were worked appercentage was calculated (to improve					
Strain was assessed by the same measures as in Study 1. Autonomy, need asatisfaction and demographi cs were also assessed. Remote work was assessed. Remote work was assessed by asking how mary hours were worked remotely each week and then how mary hours were worked remotely each week and then how mary hours were worked remotely each week and then how mary hours were worked ach worked ach worked aclulated (to improve precision on the Study 1					
assessed by         the same         measures as         in Study 1.         Autonomy,         need         satifaction         and         demographi         cs were also         assessed by         assessed.         Remote         work was         assessed by         assessed by         assessed by         assessed by         assessed by         assing how         many hours         work was         asking how         many hours         worked         remotely         each week         and then         how many         hours were         worked ach         percentage         was         calculated         (to improve         precision on         the Study 1		Strain was			
he same masures as in Study 1. Autonomy, need satisfaction and demographi cs were also assessed. Remote work was assessed by assessed by a		assessed by			
measures as in Study 1. Autonomy, need satisfaction and demographi cs were also assessed. Remote work was assessed by asking how many hours were were worked remotely each week and then how many hours were worked remotely each week and then how say add then how say asking how many hours were worked remotely each week and then how say add then how say action of the study 1 measure).		the same			
Autonomy, need astisfaction and demographi demographi cs were also assessed. Remote work was assessed by asking how many hours were worked remotely each week and then how many hours were worked remotely each week and then how raws assessed by asking how many hours were each week and then how raws hours were worked each week and a percentage was calculated (to improve precision on the Study 1		measures as			
Autonomy, need satisfaction and demographi cs were also assessed. Remote work was assessed by asking how many hours were worked remotely each week and then how many hours were worked each week and then how many hours were worked cremotely each week and then how many hours were worked and then how many hours were worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		in Study 1.			
Autonomy, need       and         astisfaction       and         and       demographi         cs were also       assessed.         Remote       assessed.         Remote       assessed.         assessed by       assessed by         asking how       many hours         were       worked         remotely       each week         and then       how many hours         how many       hours were         worked each       week and a         percentage       was         calculated       (to improve precision on the Study 1         measure).       measurel.		-			
need       satisfaction         and       demographi         cs were also       assessed.         Remote       work was         assessed by       assking how         many hours       were         worked       remotely         each week       and then         how many       hours were         worked each       week and a         percentage       was         calculated       (to improve         to improve       precision on         the Study 1       measure).		Autonomy,			
satisfaction         and         and         demographi         cs were also         assessed.         Remote         work was         assessed by         assessed.         work was         assessed.         work was         assessed.         were         worked         remotely         each week         and then         how many         howrs were         worked each         week and a         percentage         was         calculated         (to improve         precision on         the Study 1		need			
and demographi demographi severe also assessed. Remote work was assessed by asking how many hours were worked remotely each week and then how many hours were worked and then how many hours were worked ap was calculated ( to improve precision on the Study 1 measure).		satisfaction			
demographi         cs were also         assessed.         Remote         work was         assessed by         asking how         many hours         were         worked         remotely         each week         and then         how many         hours were         worked each         week and a         percentage         was         calculated         (to improve         precision on         the Study 1         measure).		and			
cs were also assessed. Remote work was assessed by assessed by assessed worked and then how many hours were worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		demographi			
Remote work was assessed by asking how many hours were worked remotely each week and then how many hours were worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		cs were also			
Remote work was assessed by asking how many hours were worked remotely each week and then how many hours were worked each worked each worked each worked and then how many hours were worked and percentage was calculated (to improve precision on the Study 1 measure).		assessed.			
Remote         work was         assessed by         assking how         many hours         were         worked         remotely         each week         and then         how many         hours were         worked each         worked each         were         worked each         worked each         was         calculated         (to improve         precision on         the Study 1         measure).					
work was assessed by asking how many hours were worked remotely each week and then how many hours wee and then how samu hours wee bow worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		Remote			
assessed by asking how many hours were worked remotely each week and then how many hours were worked each worked each worked each worked each worked each worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		work was			
asking how         many hours         were         worked         remotely         each week         and then         how many         hours were         worked ach         worked aa         percentage         was         calculated         (to improve         precision on         the Study 1         measure).		assessed by			
many hours were worked remotely each week and then how many hours were worked each worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		asking how			
were worked remotely each week and then how many hours were worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		many hours			
worked remotely each week and then how many hours were worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		were			
remotely   each week   and then   how many   hours were   worked each   worked each   week and a   percentage   vas   calculated   (to improve   precision on   the Study 1   measure).		worked			
each week and then how many hours were worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		remotely			
and then how many hours were worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		each week			
how many hours were worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		and then			
hours were worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		how many			
worked each week and a percentage was calculated (to improve precision on the Study 1 measure).		hours were			
week and a   percentage   was   calculated   (to improve   precision on   the Study 1   measure).		worked each			
percentage was calculated (to improve precision on the Study 1 measure).		week and a			
was calculated (to improve precision on the Study 1 measure).		percentage			
calculated (to improve precision on the Study 1 measure).		was			
(to improve precision on the Study 1 measure).		calculated			
precision on the Study 1 measure).		(to improve			
the Study 1 measure).		precision on			
measure).		the Study 1			
		, measure).			

Ray	Face-to-face	Nationally	Flexibility –	"The purpose of	Of those working from home, 36.0%	"This study	Cross-sectional data,
2021	nationally	representative	work	this study is to	reported job stress, and 94.4% reported	demonstrated the	relatively small
USA	representative	sample,	flexibility	understand	job satisfaction, with a mean of 27.3/30	importance of work	number of
	survey (GSS-	pooled data	was	flexibility trends	days of good physical health, 26.8/30	flexibility for well-	observations, but wide
	QWL) (from	from 5 waves	assessed in	in the US and its	days of good mental health, 24.4/30	being, using three	range of sectors and
	2002, 2006,	from 2002 to	terms of	association with	healthy days, and 1.4/30 days with	flexibility indicators	recruited face-to-face
	2010, 2014	2018.	location,	well-being. This	activity limitations.	(working at home,	so selection bias less
	and 2018).	N = 7400	leave and	study examined		taking time off, and	likely. Did not control
		(approx.)	schedule	the following	The sectors with the highest proportion	changing one's	for workload or
	Regression	Mean age	flexibility	research	of people who reported WFH were	schedule) and four	demand. Subjective
	analyses were	42.8 years,	(assessed on	questions: (1)	agriculture, forestry, and fishing (53.2%),	well-being indicators	well-being was not
	undertaken to	52% female.	Likert	What are the	services (32.6%) and construction	(job stress, job	assessed. Cross-years
	assess the		scales).	trends of	(27.5%), with the fewest in mining	satisfaction, healthy	analyses were not
	effects of	Proportion		flexibility over	(10.5%), oil and gas extraction (11.1%)	days, and days with	possible due to pooling
	work flexibility	working from	Wellbeing –	time (using	and public safety (11.3%).	activity limitations)."	data for a larger
	on work-	home	assessed in	descriptive			sample size.
	related well-	increased	terms of job	analysis)? (2)	In regression analyses, working from		Macroeconomic
	being –	from 29% in	stress (single	What are the	home was associated with a 22%		factors were not
	logistic	2002 to 33%	item), and	population	increase in job stress and a 65% increase		controlled for.
	models for	in 2018	HRQoL	prevalence	in job satisfaction (p < 0.01). This was		The quantitative
	categorical	(remaining	(CDC-	rates by	modified by sex (women were 38% more		nature of the study
	outcome	stable from	HRQOL-4	flexibility	likely to report job stress and 5% less		answers the 'what' but
	variables and	2010	index,	indicators and	likely to report healthy days than men),		not the 'why', which
	zero-inflated	onwards) (n	containing 4	selected	ethnicity/race (compared with non-		can only be speculated.
	negative	= ).	core	demographic	Hispanic Whites: Hispanic workers were		
	binomial		questions).	and	32 % less likely to report job stress, 5%		
	models for			socioeconomic	more likely to report healthy days and		
	variables with		Also	characteristics	39% less likely to report days with		
	zero-counts		assessed:	(using	activity limitations; Black workers were		
	(and those		Industry	descriptive	40% less likely to report job stress and		
	with skewed		(respondent	analyses)? (3)	4% more likely to report healthy days;		
	count data).		s were	What are the	and Asian workers were 36% less likely		
			grouped into	well-being	to report job stress and 4% more likely		
			10 broad	outcomes of	to report healthy days), income (as		
			industries),	flexibility (using	income increased, the likelihood of		
			work	logistic and	reported job satisfaction increased, the		

		: (1 + 1		
	arrangemen	zero-inflated	likelihood of reported healthy days	
	ts, work to	negative	increased, and the likelihood of reported	
	home stress	binomial	days with activity limitations decreased),	
	'spillover'.	regressions, and	health status (the odds of job stress	
		controlling for	decreased by 36% and the odds of job	
		covariates)?"	satisfaction increased more than two	
			times as health status increased; higher	
			health status was associated with a 16%	
			increase in healthy days and a 50%	
			increase in days with activity	
			limitations), living with a spouse	
			(associated with a 5% increase in job	
			stress, 5% decrease in job satisfaction	
			and a 1% decrease in likelihood of	
			reporting healthy days), family	
			interfering with work (35% greater	
			likelihood of reporting job stress, 17%	
			decrease in job satisfaction, 2% decrease	
			in healthy days and 9% decrease in days	
			with activity limitations) and more hours	
			worked (associated with a 3% increase	
			in job stress. 1% increase in job	
			satisfaction and 11% increase in days	
			with activity limitations).	
			The authors comment, "Part of the	
			increase in job stress could be attributed	
			to overwork resulting from taking work	
			home As we could not account for that	
			in this study we did not distinguish	
			among those who work at home as part	
			of a contractual agreement versus those	
			who are overworked and have to take	
			work home " (n 13)	
			Also "This could reflect the blurred lines	
			hotwoon work and home the	
			between work and nome, the	

					perception that workers need to work even harder to prove they earned the right to work remotely, or higher demands in the types of jobs that permit working from home." (p.13)		
Restrepo 2020 USA	Large-scale survey (data collected through interview), nationally representative (2017–18 Leave and Job Flexibilities Module of the American Time Use Survey). Cross- sectional. Comparison of percentages and mean number of minutes, regression analyses for prediction of outcomes.	Prime working-age adults (aged 25-54 years) in 'white collar' occupations who worked the day before the interview. N = 1784 54.4% female, Mean age 39.0 (SD 0.2) years, 147 participants (8.2%) worked from home the day before the survey.	Sleeping, minutes Time spent on food preparation and production (proxy outcomes for healthy diet). Eating and drinking at home (including time spent) (again, proxy outcomes for dietary quality).	To "examine differences in time spent in major activities between individuals who worked from home and away from home"	Those working from home the previous day had significantly ( $p < 0.10$ ) more minutes of sleep (mean 497.7, SD 10.6) than those who worked away from home the previous day (mean 460.6, SD 2.4). A significantly ( $p < 0.10$ ) greater proportion of those who worked from home the previous day spent time engaged in food preparation (75.1%) than those who worked away from home (63.0%), and also spent significantly ( $p < 0.10$ ) more minutes on average preparing food (mean 40.7 (SD 5.4) vs. mean 30.3 (SD 1.2) minutes, respectively). A significantly ( $p < 0.10$ ) greater proportion of those who worked from home the previous day spent time engaged in eating at home (88.9%) than those who worked away from home (76.9%), and also spent significantly ( $p < 0.10$ ) more minutes on average eating at home (mean 49.2 (SD 3.2) vs. mean 26.8 (SD 0.7) minutes, respectively).	"Our analysis of pre- pandemic data from 2017–18 clearly demonstrates that daily time allocation varies by worksite. As the nation grapples with the pandemic, it will be important for researchers to continue investigating Americans' responses to COVID-19, including how time-use patterns are changing as well as the health and non- health implications of those changes."	Sub-sample of those who worked from home is very small relative to those who worked outside the home.
					present who worked from home spent		

					significantly more time devoted to food		
					production and eating and drinking at		
					home (25 and 48 min, respectively)		
					Individuals without a spouse or partner		
					procent who worked from home spont		
					significantly more time devoted to		
					significantly more time devoted to		
					then the second a marking at nome (33 min)		
					than those who worked away from		
					nome", but a similar amount of time on		
					food production (26 min).		
Reuschke	Large	Sample of the	Satisfaction	To study "how	Homeworking did not have an impact on	"To conclude, the	Large, longitudinal
2019	longitudinal	dataset of	<ul> <li>assessed</li> </ul>	changing	overall life satisfaction among the	changing geographies	dataset,
UK	dataset (UK	people of	with the	geographies of	sample overall, nor among men or	of work and	representative, wide
	Household	working age	items "How	work and	women, nor by type of employment.	workplaces, enabled	variety of home and
	Longitudinal	(18-64 years)	satisfied are	workplaces		through technology, on	work circumstances
	Study	either in paid	you with	impact on	Homeworking was found to be positively	the one hand, can help	and sectors.
	('Understandi	employment	your life	workers' life	associated with health satisfaction in	improve men's and	Limited by questions
	ng Society') –	or self-	overall /	satisfaction	men, but not in women (not significant	women's social lives	asked in the original
	7 waves.	employment.	income of	overall and	in model though?). Solo self-	and may well make	survey and lack of
			household /	across various	employment in particular was positively	(for some) a	depth in / explanation
	Panel models	N = 33,719	amount of	aspects of their	related to health satisfaction among	contribution to a	for findings.
	(linear fixed		leisure time	lives"	men.	better work–life	
	effects	11.1% (n =	/ health?"			balance. This is not	
	regression	3738) mainly	rated 1-7,		Homeworking was found to be positively	only important for	
	models)	worked from	higher		related to job satisfaction in men,	work-family research	
	calculated to	home in at	scores		although not when employment status	or organisational	
	examine the	least one	indicate		was controlled for, as being self-	studies, but needs	
	impact of a	wave.	greater		employed (as an employer and solo) was	more attention in	
	change in	53.7% female.	satisfaction.		strongly associated with job satisfaction.	geographical research	
	homeworking				The authors explain this in terms of both	that seeks to better	
	situation on		Working		homeworking and self-employment	understand well-being	
	change in life		from home –		having common elements, namely	and place. On the	
	satisfaction.		emplovees		autonomy and control. and	other hand, working in	
			and self-		hypothesised that men value these	isolation from co-	
			employed		things. For women, both homeworking	workers in one's own	
			asked where		and self-employment (as an employer	home can also reduce	

			thou mainly		and colo) was significantly positively	achaets of well being	
			work in their		related to job satisfaction, and	aspects of well-bellig	
			work in their		related to Job Satisfaction, and	compared to mainly	
			primary		nomeworking has an additional benefit	working outside the	
			employment		to the advantages gained from being	home."	
			, including		self-employed.		
			their own				
			home –		The relationship between homeworking		
			homeworkin		and household income satisfaction was		
			g defined as		found to be neutral in women and weak		
			working		negative in men. This differed by		
			most of the		employment type.		
			time at				
			home.		Among both men and women,		
					homeworking was found to be		
					significantly positively related to leisure		
					time satisfaction, with no significant		
					differences between men and women.		
					nor between people with different types		
					of employment. Leisure time satisfaction		
					was reduced when respondents worked		
					longer hours had a young child (baby)		
					and/or caring responsibilities for other		
					family members, but was not linked with		
					household income		
Binoll	Online survey	Adult (agod	Conoralised	"to access the	Working from home (compared with	"Our findings highlight	Snowhall campling
	Online survey,	Adult (aged	Generalised	to assess the	other working arrangements which in	the importance of	Showball Sampling –
2021 Dalaania		218 years)	anxiety,	evolution of	this area included working arrangements, which in		possibility of selection
Balearic	from 15	residents of	assessed	mental nealth	this case included working on-site and	supporting people in	bias (along with online
Islands (Spain)	March to 10	the Balearic	using the	and	hybrid working) was associated with	the period before	format for survey).
	May 2020 (to	Islands.	generalized	psychological	increased depression symptoms	future lockdowns, thus	There is no pre-
	cover the first		anxiety	wellbeing	between weeks 1 and 8 of the lockdown	reducing distress,	pandemic baseline for
	lockdown	N = 681	disorder	during	(experienced by 14.2% vs. 8.3%,	perhaps by providing	data on psychological
	period).	(61.8%	(GAD-7)	lockdown"	respectively, p = 0.014), but not	more information to	well-being – it could be
	Longitudinal –	remained at	scale, 7		between weeks 1 and 4 (experienced by	reduce excessive fears	that anxiety and
	survey sent	week 8)	items, 0-3,		11.0% and 13.7%, respectively, p =	about becoming sick.	depression increased
	out weekly		validated.		0.235), nor increased anxiety symptoms	More sh1dies that	considerably in the
	over the	77% female,			between weeks 1 and 4 (experienced by	include other strata of	first week, but the

course of 8	27% aged <35	Depressive	10.1% and 11.5%, respectively, $p =$	the population are	survey would not have
weeks.	years, 30%	symptoms,	0.657) or between weeks 1 and 8	needed in order to	captured this.
	aged 35-44	assessed	(experienced by 11.0% and 8.3%	better understand the	Possibility of other
Paired analysis	years, 21%	using the	respectively, p = 0.533). Working from	impact that lockdowns	pandemic-related
(using	aged 45-54	patient	home (compared with other working	have on those who are	confounders.
McNemar's	years, 22%	health	arrangements) was not associated with	most vulnerable and	Longitudinal nature of
test) was used	aged ≥55	questionnair	increased consumption of psychotropic	who have worse living	this study is a strength
to analyse	years.	e (PHQ-9) (a	drugs between weeks 1 and 4	conditions, as the	(although there was
differences in	76% had	version	(consumed by 6.5% and 7.1%,	sample in our study is	considerable attrition).
wellbeing	higher	approved for	respectively, p = 0.306) or weeks 1 and 8	not representative of	Sample not
outcomes	education,	use in	(consumed by 8.4% and 8.9%,	the general	representative, over-
from the first	75.5% were	Spain), 9	respectively, p = 0.952), nor	population."	representing higher
to the fourth	employed,	items, 0-3,	consultations to improve mood/anxiety		SES groups and
week and the	58% of whom	validated.	between weeks 1 and 4 (undertaken by		women.
beginning to	were working		27.3% and 26.9%, respectively, p =		
the end of	from home at	Consumptio	0.918) and weeks 1 and 8 (undertaken		
lockdown.	week 1.	n of	by 28.0% and 31.5%, respectively, p =		
Generalised		psychotropic	0.388).		
estimating		drugs to			
equations		reduce			
were used to		anxiety or			
examine		insomnia			
weekly		during			
changes in		lockdown,			
wellbeing		yes/no.			
outcomes.					
Chi-squared		Mechanisms			
test was used		for dealing			
to assess the		with mood			
relationship of		and anxiety			
sociodemogra		issues were			
phic and		assessed by			
situational		asking			
variables with		participants			
changes in		whether			
wellbeing		they had			

outcomes	consulted a		
halfway	professional		
through and	visited a		
at the end of	website or		
lockdown	required		
Variables	neither		
variables	neither.		
	1.5		
anxiety,	LITE		
depression	satisfaction,		
and the	assessed on		
consumption	a 0-10		
of	(completely		
psychotropic	unsatisfied		
drugs were	to		
transformed	completely		
to three	satisfied)		
categories –	scale.		
unchanged,			
increase or	Self-		
decrease.	perceived		
	health,		
	assessed as		
	a single item		
	with		
	response		
	ontions of		
	evcellent		
	vorv good		
	very good,		
	regular or		
	bad.		
	Optimism		
	regarding		
	the future		
	(own), and		
	the future of		

			and at 1 F				
			society, 1-5,				
			oniy				
			assessed in				
			week 8.				
			No				
			definition				
			for working				
			from home				
			given, but				
			can assume				
			it included				
			working				
			from home				
			all the timas				
			there was				
			another				
			response				
			option for				
			hybrid				
			working.				
Rodriguez	Online survey	People living	Stress –	"to identify the	Working situation (during COVID-19	"This study showed	This is a survey – there
2020	(available 18	in Spain	assessed by	differences in	lockdown confinement) was related to	that during the	is no indication as to
Spain	April to 19	during the	the 14-item	perceived stress	stress response ( $F_{(4 918)} = 4.914$ ; p < 0.01;	confinement, people	the reasons behind the
	May 2020)	COVID-19	Perceived	and control of	$n_{p2} = 0.020$ ) and control of stress (F <sub>(4.928)</sub>	experienced differing	perceived stress or
		lockdown,	Stress Scale	stress as a	$= 4.017$ ; p < 0.01; $\eta_{p2} = 0.016$ ).	levels of stress and	stress control. The
	Differences in	aged 18-70	(PSS-14) (0-	function of the	, , , , , , , , , , , , , , , , , , ,	managed it with	study was cross-
	levels of each	years.	4, high	sociodemograp	The lowest stress response was reported	varying effectiveness	sectional and did not
	of perceived	,	scores	hic	by those who combined teleworking and	depending on their	allow for longitudinal
	stress and	N = 1269	indicate	characteristics	commuting (in-person working),	demographic	follow-up of stress
	stress control	18% male,	greater	of the	followed by those just commuting.	characteristics Those	response. Online
	during	Mean age	stress). Has	population	whereas the highest stress response	who were able to	administration mav
	confinement	38.8 (SD 10.6)	two factors	confined by	(and lowest stress control) was reported	combine teleworking	, have created selection
	as a function	years,	– control of	COVID-19 (age,	by those who were dismissed during	with attending their	bias (as may recruiting
	of a mix of	"more than	stress, and	gender, civil	lockdown, followed (for both outcome	workplace showed the	through social media).
	demographic	half" working	perceived	status,	variables) by those whose work was	lowest levels of stress."	· · · ·

	variables	FT and 17%	stress.	education, place	temporarily suspended. Those who were		
	assessed using	working PT or		of residence,	teleworking reported the highest stress		
	ANOVA.	temp (8% not	Note:	income and	control (a very slight increase), followed		
	Cohen's	working and	predictor	work situation	by those who were both teleworking		
	criteria used	4% studying or	variable	during	and commuting. See Figure 3:		
	to interpret	preparing for	(work	confinement).			
	effect sizes.	exams).	situation)	In particular,	eres h		
			was	given the	age reasoning and the second		
			assessed in	literature			
			the	reviewed, we	"Our results indicated that there was no		
			following	expect to find	significant difference in stress between		
			categories:	differences in	those who worked from home during		
			teleworking	the perception	confinement and those who regularly		
			and	and control of	attended their place of work." (p.1101)		
			commuting,	stress with			
			teleworking,	respect to			
			commuting,	gender, age,			
			temporary	civil status,			
			suspension	educational			
			of	level, income			
			employment	level, type of			
			, dismissed.	residence, and			
				work situation			
				during the			
				confinement.			
				Furthermore, in			
				this study, the			
				validity and			
				reliability of the			
				PSS-14, the			
				instrument used			
				for data			
				collection, is			
				also explored."			
Russo	Online survey,	Software	Wellbeing,	"What are the	At Wave 1, stress, quality of social	"Overall, we conclude	No pre-pandemic data.
2021	longitudinal.	professionals	assessed	relevant	contacts, and need for autonomy had	that working from	Recruitment from a

International	Wave 1 was	working from	using the	predictors of	the strongest associations with	home was per se not a	sample from a
(mainly UK,	conducted	home during	Satisfaction	well-being and	wellbeing.	significant challenge	previous study – may
USA and	20 <sup>th</sup> to 26 <sup>th</sup>	Covid	with Life	productivity for	_	for software engineers.	have been selection
countries in	April 2020,	lockdown	Scale, 5	software	Extraversion was positively correlated	Finally, our study can	bias (as participants
Europe)	Wave 2		items, 1-7,	engineers	with wellbeing at both waves. The	assess the	were already willing to
	conducted 4 <sup>th</sup>	N = 192	validated.	working	authors explained this in terms of social	effectiveness of	participate in
	to 10th May	(n = 184 in		remotely during	contact (online) being more 'forced',	current work-from-	research).
	2020.	second wave)	Loneliness,	a pandemic?"	which introverts found more difficult.	home and general	
			assessed			well-being and	
	Pearson	Mean age	using the 6-		Multiple regression:	productivity support	
	correlations,	36.65 (SD	item version		At Wave 1, stress (negatively), social	guidelines and	
	multiple	10.77) years,	of the De		contacts and daily routines predicted	provides tailored	
	regression.	20% female,	Jong		stress at $\alpha$ = 0.05.	insights for software	
			Gierveld			professionals."	
			Loneliness		At Wave 2, need for competence and		
			Scale, 1-5,		autonomy, stress, quality of social		
			validated.		contacts, and quality of sleep uniquely		
					predicted well-being at a = 0.05.		
			Anxiety,				
			assessed		Longitudinal analysis:		
			using the 7-		Structural equation modelling revealed		
			item		that no variable at Wave 1 was able to		
			Generalized		explain a significant amount of variance		
			Anxiety		in another variable at Wave 2, thus no		
			Disorder		causal conclusions could be made.		
			scale, 1-5,				
			validated.		91 participants reported increased		
					wellbeing, 23 reported no change and		
			Stress,		70 reported decreased wellbeing from		
			assessed		Wave 1 to Wave 2.		
			using a 4-				
			item version				
			of the				
			Perceived				
			Stress Scale,				
			1-4,				

validated.		
Diet,		
assessed		
using two		
items on		
fruit and		
vegetable		
consumptio		
n from the		
European		
Social		
Survey, 1-7,		
validated.		
Quality of		
sleep,		
assessed		
with one		
item, 1-7,		
not		
validated.		
Physical		
activity,		
assessed		
using the 3-		
item Godin		
Leisure Time		
Exercise		
Questionnair		
e.		
Also		
assessed		

	productivity,		
	self-		
	discipline,		
	coping,		
	compliance		
	with		
	recommend-		
	ations,		
	boredom,		
	daily		
	routines,		
	conspiracy		
	beliefs,		
	extraversion		
	, autonomy,		
	competence		
	and		
	relatedness,		
	extrinsic and		
	intrinsic		
	work		
	motivation,		
	mental		
	exercise,		
	technical		
	skills, social		
	contacts		
	outside of		
	work.		
	volunteering		
	, communicati		
	on with		
	colleagues		
	and		
	managers		

Sardeshmukh 2012 USA	Survey, no details on mode of administration Analysed through predictive models (AMOS).	Telecommuter s working for a large supply chain management company in the Midwestern USA. N = 417 29% female, Mean age 26- 35 years, Had spent at least 1 year teleworking on average, spending 8-40 hours a week teleworking and most telecommutin g $\leq 4$ days per week.	at home, financial security, office set- up, and demographi c information. Exhaustion, assessed using the Maslach and Jackson scale, 8 items, validated. Extent of teleworking was measured using the Golden and Veiga scale, 6 items, validated – participants asked to report the number of hours per week spent telecommuti ng.	To explore "the effects on job demands and resources to understand the processes through which telework impacts the exhaustion and engagement of the teleworker"	Job demands and resources (time pressure, role ambiguity, role conflict) partially mediated the relationship between the extent of telework and exhaustion (extent of telework was significantly related to these variables and they were significantly related to exhaustion, but extent of telework was also directly related to exhaustion). See below.	"Overall, we find that telework is negatively related to both exhaustion and job engagement and that job demands and resources mediate these relationships."	37.9% response rate. Cross-sectional. Personal and demographic factors not assessed.
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			Also assessed time pressure, role ambiguity, role conflict, autonomy, feedback, social support, and job engagement				
Sato 2021 Japan	Online survey, open 30 <sup>th</sup> April to 8 <sup>th</sup> May 2020 Determinants of weekday steps (as a continuous variable) assessed using a mixed linear model (random effect) with a hierarchical structure. WFH did not seem to be included in this.	Users of the health app <i>CALO mama</i> , which records diet, exercise, mood and quality of sleep and provides feedback to users. N = 2846 60% female, Mean age 43.0 (SD 12.0) years for females and 50.3 (SD 10.2) year for	Depressive symptoms – assessed by two validated items ("During the past month, have you often been bothered by feeling down, depressed, or hopeless?" and "During the past month, have you often been	To examine "how pandemic- related changes in work and life patterns were associated with depressive symptoms, using data from a health app called CALO mama"	In the logistic regression model, shifting to WFH was negatively associated with depressive symptoms (OR 0.83, 95% CI 0.69 to 0.99). The authors offer the following explanation: "In the context of COVID- 19, WFH may have been beneficial to mental health because it enabled workers to keep working and communicating with their colleagues during the declaration period, which helped them have a sense of belonging. WFH may also reduce the fear of infection at or on the way to work."	"In conclusion, the study shows that weekday steps decreased during the declaration period and that a decrease in walking was associated with depressive symptoms. WFH may mitigate the risk, but at the same time may induce longer working hours. Our findings show that increased working hours during the declaration period were associated with depressive symptoms."	Cross-sectional, only sampled people who were using this app (so potentially not representative). Some covariates could not be adjusted for.
Association of	83% females	little interest					
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changed in	and 97%	or pleasure					
work and life	males were	in doing					
patterns with	working full-	things?")					
depressive	time (≥6	with a "ves"					
symptoms	hours/day) in	response to					
was examined	the pre-	both					
using logistic	declaration	questions					
regression,	period and	considered					
adjusting for	66% females	to indicate					
gender, age	and 91%	symptoms of					
and binary	males were	depression.					
variables.	working full-						
	time during	Physical					
	the	activity –					
	declaration	assessed by					
	period.	the binary					
		variable of a					
	24% females	lower					
	and 32%	average					
	males shifted	weekly step					
	to WFH.	count in the					
		(COVID-19)					
		declaration					
		period					
		(lockdown)					
		relative to					
		the pre-					
		declaration					
		period.					
		Changes to					
		work					
		patterns –					
		assessed by					
		the					

<b>A</b> 11 .		
following		
categories:		
"suspension		
of work or		
loss of		
employment		
", "increased		
working		
hours",		
"shift to		
WFH"		
(defined as		
those who		
worked		
more hours		
outside		
home in the		
pre-		
declaration		
period but		
worked		
more hours		
at home		
during the		
declaration		
period), and		
"increased		
time on		
childcare" –		
all for during		
the		
declaration		
period		
relative to		
the pre-		
declaration		

			period.				
Sato	Online survey,	Users of the	Dietary	To examine	"WFH was associated with increased	"We conclude that diet	Large sample is an
2021b	administered	CALO Mama	patterns,	"dietary	intake of vegetables (1.02, 1.004- 1.03),	quality improved	advantage, however
Japan	from 30 <sup>th</sup> April	health app.	including the	changes in	fruits (1.06, 1.03-1.09), dairy products	during the pandemic in	the sample consisted
	to 8 <sup>th</sup> May		frequency of	people due to	(1.03, 1.01-1.06), and snacks (1.04, 1.02-	general, but attention	of users of a particular
	2020, with	N = 5929	intake of	the pandemic	1.06) but decreased intake of seaweeds	must be paid to	app, thus leaving the
	dietary data		vegetables,	and work and	(0.94, 0.91-0.97), meats (0.98, 0.96-	overconsumption of	study open to selection
	taken from	69% female,	fruits, beans,	life patterns"	0.999), and alcohol intake (0.93, 0.86-	snacks and negative	bias.
	the app across	Mean age	mushrooms,		0.997)." (p.4)	factors such as	Sample not
	the same time	44.0 (SD 13.8),	seaweeds,			increased burden of	representative – most
	frame.	28.2% working	fish, meats,		"The declaration period and WFH were	childcare and	participants were
		from home	dairy		positively associated with the intake of	depression for healthy	female and in their
	Generalised	(5.6% before	products,		self-made meals, whereas employment	eating."	40s.
	linear mixed	the	snacks and		other than self-employed, working		Some possible
	models were	declaration	alcohol		hours, and time spent on childcare were		confounders not
	used to	period)	before and		negatively associated with it." (p.4)		adjusted for, including
	analyse the		after the				education, household
	longitudinal		declaration		"WFH was more clearly associated with		income, number of
	data.		(lockdown).		increased intake of vegetables, fruits,		children, marital
					and dairy products and decreased		status, and whether
			Working		alcohol intake among women than men		participants usually
			from home		(Supplement Table C). In addition,		cook by themselves.
			was defined		among women, time spent on childcare		The app used an
			as those		was associated with reduced intakes of		unvalidated method of
			people who		vegetables and fruits (Supplement Table		recording food intake.
			spent more		C). When we stratified participants by		The longitudinal nature
			time		the age of 45 years, WFH was positively		of the app data
			working		associated with intake of vegetables,		allowed for pre- and
			from home		fruits, mushrooms, fish, and dairy		during-pandemic
			than		products but was negatively associated		comparisons.
			working		with alcohol intake among younger		
			away from		participants (Supplement Table D).		
			home,		Similar to women, time spent on		
			according to		childcare was associated with reduced		
			the survey.		intakes of vegetables and fruits among		
					younger participants (Supplement Table		

					D)." (p.4)		
					"WFH was associated with increased		
					intake of seaweeds and fish, fruits and		
					beans, and snacks among self-employed,		
					non-management workers, and		
					managers and irregular workers,		
					respectively (Supplement Table E)" (p.4)		
Schifano	Longitudinal	Representativ	Wellbeing	To "track the	Proportion working from home peaked	"Our main broad result	Unbalanced panel data
2021	online survey	e panel of	was	well-being of	in April 2020, when almost 30% of	is that the working	were used – not all
France, Italy,	COME-HERE	people from 5	assessed in	individuals	respondents (and over 50% of those	from home that has	respondents were
Germany,	(COVID-	European	terms of 5	across five	working) reported WFH, and fell to 15%	become so widespread	observed in all four
Spain &	19, MEntal	countries.	variables, all	European	(25% of those working) in August and	during the COVID-19	waves. Information on
Sweden	HEalth,		scored so	countries during	September before rising again in the	pandemic is associated	home working was
	REsilience and	N = 9700	higher	the course of	autumn.	with lower levels of	collected
	Selfregulation)	observations	scores	the coronavirus		well-being in the cross-	retrospectively in
	representative	N = 8000	indicate	disease 2019	Working from home was associated with	section analysis.	Wave 4, which may
	panel survey.	participated in	better	(COVID-19)	lower wellbeing on all 5 variables – life	However, the results in	have introduced recall
	Data from first	Wave 1, 83%	wellbeing:	pandemic and	satisfaction (coefficient = -0.09, p <	panel data (where we	bias.
	4 waves used	of whom		relate their	0.01), worthwhile (coefficient = -0.07, p	look only at people	
	– 1 <sup>st</sup> May, 9 <sup>th</sup>	responded to	Life	well-being to	< 0.05), not lonely (coefficient = -0.08, p	who switch status) are	
	June, 5 <sup>th</sup>	at least one	satisfaction	working from	< 0.05), not depressed coefficient = (-	less clear on this front,	
	September	more survey	and life	home"	0.09, p < 0.01) and not anxious	with even a small fall in	
	and 20 <sup>th</sup>	(42% in all	worthwhile		(coefficient = -0.09, p < 0.01), although	anxiety when moving	
	November	four surveys,	<ul> <li>assessed</li> </ul>		not working had a greater negative	to working from home.	
	2020.	25% in three	using 2		impact.	Harking back to our	
		and 16% in	questions, 0-			hypotheses in Section	
		two surveys).	10, higher		Switching to working from home	2, we thus find little	
			scores		reduced anxiety (coefficient = 0.05, p <	strong evidence of	
			indicate		0.10) but also reduced the sense of a	pent-up demand by	
			greater		worthwhile life (coefficient = -0.07, p <	employees for working	
			satisfaction		0.05), with no significant impact on	from home."	
			or feeling		other wellbeing variables.		
			life is		_		
			worthwhile.		The authors offer the following		
					interpretation: "The comparison of the		

Loneliness –	cross-section and nanel results could	
assessed	therefore reflect some kind of selection	
using an 8-	into working from home. Those who are	
item version	more anyious depressed atc. would	
of the UCLA	profer to work from home if possible all	
	the times of each we do not observe	
	the time: as such, we do not observe	
Scale, 1-4,	them changing work status between	
scores range	May and November. A second possibility	
8-32,	is adaptation, in that the movement	
inverted so	from work at the office to home relieves	
higher	anxiety around the time it takes place,	
scores	but this effect vanishes and indeed	
indicate less	switches sign, over time, producing an	
loneliness.	average positive correlation between	
	working at home and anxiety in the	
Depression –	cross-section." (p.10)	
assessed		
using the 9-	The impact of working status variables	
item Patient	was found to not be mediated by	
Health	income or household characteristics	
Questionnair	(having children of various ages, one	
e (PHQ-9), 0-	room or more per person, garden, park,	
3, scores	balcony or terrace). Also, being male or	
range 0-27,	female was not found to moderate the	
inverted so	relationship between WFH and	
higher	wellbeing, neither did level of education.	
scores	Age, however, was found to be a	
indicate	moderator, with older workers	
lower	experiencing worse wellbeing when	
depression	WEH particularly in terms of life	
	satisfaction and loneliness	
Anxiety –	substaction and forteniness.	
assessed		
using the 7-		
itom		
Concretised		
Generalised		

			Anxiety				
			Disorder				
			(GAD-7)				
			Scale, scores				
			range 0-21,				
			inverted so				
			higher				
			scores				
			indicate				
			lower				
			anxiety.				
			Working				
			from home –				
			participants				
			reported				
			whether				
			they were				
			working				
			mostly from				
			home,				
			working				
			mostly not				
			, at home. or				
			not working.				
Shockley	Longitudinal	Heterosexual	Psychologica	"In the COVID-	In the latent class analysis, for health	"when parents did	Snowball sampling via
2021	online survey	married	l distress –	19 context. are	outcomes (psychological distress and	create more novel and	the researchers'
US	available 18 <sup>th</sup>	couples (as	assessed by	couples using	sleep quality), those adapting the	egalitarian strategies	networks and contacts
	to 23 <sup>rd</sup> March	dvads) where	Kessler et al.	unique, new	strategy of 'alternating days' fared the	for managing childcare	– may have introduced
	(Time 1	both spouses	(2002) 10-	work-family	best (mean PD score 1 54 and 1 58 for	in the crisis	selection bias
	survey) and 7 <sup>th</sup>	worked full-	item	(WF)	wives and husbands, respectively)	particularly by	
	to 18 <sup>th</sup> May	time (>32	measure 5-	management		alternating work days	
	2020 (Time 2)	hours/week)	noint scale	strategies or are		their performance and	
	2020 (11110 2).	were required	point searce	they falling hack		well-heing were	
	For outcomes	to work during	Sleen	on the familiar		nreserved"	
	relevant to		quantity -	gendered			
	relevant to	COVID-19	quantity –	gendered			

variables, controlling for income.Mean age at T2: 35.2 (SD assessed income.Also tension, family cohesion), health (sleep wives and 36.3 (SD 7.0)distress, and distress), and distress), and psychological years for s (T1), performance?"Mean weekly work hours at T1:(T2), family for vives and (T2), self- for vives and (T2), self- (T2), self- for vives and (T2), self- (T2), self-		this review, mean differences in outcome variables were examined using the latent class analysis 3-step approach for auxiliary variables, controlling for income.	this review, mean differences in outcome variables were examined using the latent class analysis 3-ste approach for auxiliary variables, controlling fo income.	lockdown, and had ≥1 child aged <6 years with their usual childcare unavailable. N = 274 at T1 N = 133 at T2 Mean age at T2: 35.2 (SD 3.4) years for wives and 36.3 (SD 7.0) years for husbands. Mean weekly work hours at T1: 41.3 (SD 5.7) for wives and 44.2 (SD 7.9) for husbands.	assessed by single item "During this time period, on average, how many hours of actual sleep did you get at night?" Also assessed plan for managing childcare and work commitment s (T1), implementat ion of plan (T2), family functioning (T2), self- rated job performance , and	patterns found in previous research? To what extent do the respective WF strategies relate to wives' and husbands' family functioning (relationship tension, family cohesion), health (sleep hours and psychological distress), and job performance?"			
41.3 (SD 5.7)       functioning         for wives and       (T2), self-         44.2 (SD 7.9)       rated job         for husbands.       performance         Mean weekly       and				41.3 (SD 5.7) for wives and 44.2 (SD 7.9) for husbands.	(T2), self- rated job performance				
work hours at attention T2: 40.7 (SD checks. 4.7) for wives				work hours at T2: 40.7 (SD 4.7) for wives	attention checks.				
and 44.0 (SD 8.3) for husbands.				and 44.0 (SD 8.3) for husbands.					
SmithOnline survey,Non-Anxiety and"to understandAmong those working remotely, the"Our results suggestSurvey was available in2021availablehealthcaredepression –the relationshipadjusted proportion of respondents withthat the adequateEnglish and French	Smith 2021	Online survey, available	Online survey available	Non- healthcare	Anxiety and depression –	"to understand the relationship	Among those working remotely, the adjusted proportion of respondents with	"Our results suggest	Survey was available in English and French

Canada	between 26 <sup>th</sup>	workers,	assessed by	between	GAD-2 scores of ≥3 was 35.3% (95% CI	design and	Little detail on the
	April and 6 <sup>th</sup>	recruited	the	working	27.1 to 43.5) and the adjusted	implementation of	labour organisations
	June 2020.	through	Generalised	arrangements,	proportion of respondents with PHQ-2	employer-based ICP	through which
		various labour	Anxiety	infection	scores≥3 was 27.4% (95% Cl 20.1 to	have implications for	recruitment took
	Separate	organisations.	Disorder	control	34.8), both of which were significantly	the mental health of	place.
	regression	U	(GAD-2) and	programs (ICP),	lower than among site-based workers or	site-based workers. As	Unsure how
	models were	N = 3305	the Patient	and symptoms	those no longer employed.	economies re-open the	generalisable the
	run to		Health	of anxiety and		ongoing assessment of	findings are, as
	examine the	61% female,	Questionnair	depression		ICP and associated	participation across
	relationship to	15.4% aged	e (PHQ-2)	among		mental health	age categories and
	exposures.	<34, 23.7%	measures.	Canadian		outcomes among the	provinces in Canada
		aged 35-44,	Range of	workers, not		workforce is	was uneven, and some
		29.6% aged	scores for	specifically		warranted."	industries were over-
		45-54, and	both is 0-6	working in			represented relative to
		30.3% aged	and scores	healthcare"			others.
		≥55 years.	of ≥3 (on				
			both scales)				
		41.6% working	is used as a				
		remotely.	cut-point for				
			potential				
			anxiety or				
			depression.				
			WFH was				
			assessed in				
			terms of				
			asking				
			participants				
			if they were				
			working				
			remotely.				
			Site-based				
			workers				
			were asked				
			about ICP				

			and PPE on-				
			site – not				
			extracted.				
Song 2020	American	N=3962	Subjective	Examine how	Compared to working in the workplace,	Working at home has	
USA	Time Use		well-being.	subjective	bringing work home on weekdays is	heterogeneous	
	Survey Well-			well-being	associated with less happiness	effects. On weekdays	
	Being		Homeworkin	varies among	(p<0.005), and telework on weekdays or	bringing work home	
	Modules		g: all day	wage/salary	weekends/holidays is associated with	and telework are more	
	(telephone		and in	workers	more stress (p<0.005). The effect of	likely to deteriorate	
	interviews and		addition to	between	working at home on subjective well-	the	
	time use		working all	working at	being also varies by parental status and	SWB of parents than	
	survey).		day in the	home and	gender. Parents, especially fathers,	that of non-parents.	
			office	working in	report a lower level of subjective well-		
	Individual		(bringing	the workplace.	being when working at home on		
	fixed-effects		work home,		weekdays (p<0.005), but a higher level		
	models.		telework,		of subjective well-being when working		
			nonworking		at home on weekends/holidays		
			and working		(p<0.001). Non-parents' subjective well-		
			in the		being does not vary much by where they		
			workplace).		work on weekdays, but on		
					weekends/holidays childless males feel		
					less painful (p<0.005), whereas childless		
					females feel more stressed(p<0.001),		
					when teleworking instead of working in		
					the workplace.		

Stitou	Qualitative –	Home-based	The context and	To examine "the	A preference for working from home	"HBC workers' health	Only a limited
2018	semi-	childcare (HBC)	experiences of	job content,	(in order to better manage family life)	and well-being are	number of
Canada	structured	workers	HBC workers	context, and	was one reason given by participants	mainly affected by a	interviews were
	interview	(regulated,	(qualitative).	requirements of	for choosing the profession. Not	higher number of job	conducted,
	study.	affiliated) in		regulated	having a commute was also seen as	context factors rather	because of the
		Ottawa and		Home-Based	advantageous.	than job content	difficulty
	Analysed	Gatineau.		Childcare		factors. HBC workers	recruiting HBC
	according to			workers in	The job involves carrying and moving	perform business	workers, due to
	the coding	N = 11		Canada"	children and equipment, which	administration tasks,	the long hours

approach of			participants reported as repotitive	more housekeeping	thouwork
approach ui Blais and	All female aged		tasks that caused fatigue, pain and	and domestic work	May not translate
Martinoou	All lellidle, ageu		injury to the back of the pack	and domestic work	to other countries
(coding and	<ul><li>∠o∠ years,</li><li>married and</li></ul>		ngury to the back of the neck,	the centre based	due te cortain
	marrieu, anu		particularly among those working in	che centre-Daseu	due to certain
refinement	$nad \ge 2$ children		the basement (as opposed to the first	childcare. Finally, the	features of the
until	(minors).		(ground) floor).	WORK OF HBC WORKERS	local context (e.g.
saturation).	/ had			had many advantages	regulations).
	immigrated		Stress could arise from the mental and	such as being their	
	within the last 8		emotional effort needed to remain	own boss and working	
	years.		alert, attentive and patient with the	while taking care of	
			children, particularly when children	their own family."	
			have a behavioural condition or a		
			disability:		
			"It happened to me to have children		
			with behavioural disorders. Often they		
			live in		
			economically disadvantaged families		
			and their parents do not care about		
			them, it		
			makes my job stressful." (Cora)		
			Additional mental and emotional		
			effort arose from a group where there		
			are more boys than girls, and from		
			difficult relationships with infants.		
			home visitors and parents which		
			could cause stress		
			"The home visitor comes only to give		
			statements of offence for any reason		
			instead of supporting guiding and		
			helping us For example during an		
			unannounced visit, she came during		
			the spack time, she saw pieces of		
			the shuck time, she saw pieces of		
			Lookies on the ground thrown by one		
			kia just before I opened the door to		
			her and she said that my work		

	environment is not clean and I got a	
	'statement of offence'. After a number	
	of statements of offence, the daycare	
	is closed " (Kate)	
	"I had one parent who always came	
	late after the daycare closing hours	
	and I had to fiaht with them to pay the	
	extra costs. So I did not renew his	
	contract. (Kate)	
	Factors affecting health and wellbeing	
	were reported as the absence of	
	contact with other adults during	
	working hours, a lack of external help	
	during working hours (i.e. working	
	alone, without breaks), difficulty filling	
	spots noise interference with	
	norsenal and family life, low and	
	personal and family me, low and	
	precarious remuneration, and	
	incomplete or no benefits.	
	The absence of contact with other	
	adulta during working hours left all	
	adults during working nours left all	
	participants feeling socially isolated	
	and lonely, impacting on their mental	
	health:	
	" {I} work alone see no one and	
	romain coolelly isolated is band for	
	remuin socially isolatea, is nara jor	
	me." (Kate)	
	Working alone and receiving no	
	formal assistance made the workdays	
	of HPC workers shallonging and	
	stressful. However outside of working	
	hours, families and colleagues	
	provided assistance and moral	

support
Support
The poice and odours inherent in
childcare impacted on the auditory
health and everall stress levels of HPC
meanin and overall stress levels of HBC
workers. This included children
screaming, crying, scraping toys on
the floor, and playing with noisy toys,
as well as odours from toileting,
illness, art materials and disinfectant:
"The noise stress on a daily basis is a
real source of disturbance. It is
detrimental to many aspects of health
and behaviour I'm also exposed to
bad odours. For example, each time
when I change a diaper." Hana
The job also carries the risk of being
exposed to infectious illnesses such as
gastrointestinal illness, cold, flu and
diarrhoea from the children in their
charge.
Interference between the HBC work
and family life of the HBC worker
could also cause stress, for instance
from the HBC work disturbing the
family (e.g. noise from the children) or
having to close their daycare because
of the need to have people in the
house that do not live there due to
regulations that govern the
profession e.g. a family member or a
decorator.
"I must close my daycare for several
days without any nay when I plan to
aays without any pay when I plan to

		him and the shirt and shirt him	
		nire someone to paint my own klas	
		bedrooms in the other floor because	
		we are not allowed to have a stranger	
		adult at home while working with kids.	
		I mean an adult not living at home	
		usually. If it happens and by chance	
		the home visitor came in, she will close	
		my daycare for several days as a	
		punishment This is another source of	
		stress." (Lina)	
		HBC workers also experience stress	
		from the nature of the remuneration.	
		which is based on the number of	
		children they have in their care.	
		Sometimes workers struggle to fill	
		places due to requirements for ratios	
		of children of certain ages, and	
		competition with other HBC workers.	
		They feel under-valued by	
		government regulators and childcare	
		agencies who they feel conflate	
		working from home with a break.	
		"Our tasks need to be recognized HBC	
		workers' tasks are different from	
		those who are working in the centres	
		We have more tasks such as cleaning	
		cooking accounting to open our	
		HPC we must go through a process of	
		two to three years fill out many	
		forms, pass many interviews, adopt	
		our home as requested by the	
		our nome as requested by the	
		childcare agency, etc. The minister in	
		our province thinks that we spend the	
		day doing manicures or pedicures	
		because we work at home and we do	

					nothing else at home. Our income is not representative of the number of hours worked. We are paid for only 35 hours, while we work 70 hours a week." (Stephanie) Only some of the HBC workers are in a union and get to experience benefits such as access to life insurance, health insurance, maternity leave, sick leave and holiday pay, and this depends on geographical location. None of the HBC workers have access to a pension plan.		
Taser 2022 Turkey	Online survey, date not specified. Structural model, using AMOS	Financial services sector employees, working from home during the pandemic. N = 202 51.5% female, 2.4% aged 18- 25, 25.7% aged 26-35, 42.2% aged 36-45, and 29.7% aged ≥46 years.	Technostress, assessed using the Tarafdar scale, 23 items, 1-5, validated. Loneliness, assessed using the Russell measure, 20 items, 1-4, validated. Also assessed flow.	"to gain insights and to explore the relationship between remote e-working and employee flow experiences by introducing two key stressors; technostress and loneliness"	<ul> <li>Those who had a positive e-working experience had lower levels of technostress.</li> <li>Those experiencing technostress were more likely to feel lonely.</li> <li>Loneliness was negatively related to flow at work (participants were less likely to experience flow when they felt lonely).</li> <li>Technostress and loneliness mediated the relationship between remote e-working and flow at work.</li> </ul>	"The findings have contributed to the related literature by enhancing the understanding of remote e-working experiences. Given the swift and extensive transition to working from home during the pandemic, it seems that remote e-working will remain a critical issue on the agenda of organizations. Therefore, organizations need to create opportunities to improve the technological knowledge and abilities of their	Response rate 40%. Cross-sectional. Limited sample. Participant characteristics were not taken into account. Psychological variables were not examined.

						employees to adopt	
						ICTs and overcome the	
						technostress that can	
						be associated with	
						loneliness and low	
						levels of flow."	
Thulin	Online survey,	Home-based	Perceived time	To explore "how	Advantages of teleworking included	"Time pressure is	Cross-sectional
2019	administered	teleworkers	pressure –	changing	being able to work more undisturbed,	intensified by family-	and therefore
Sweden	in March	employed by six	assessed by a	conditions for	work more efficiently, avoid	related factors,	cannot establish
	2016.	governmental	single item: "Do	home-based	commuting, and facilitate everyday	telework performed	causal
		agencies, both	you experience	telework affect	life. Telework outside regular working	outside of working	relationships.
	Cross-	from 'routine'	time pressure in	the quality of	hours was perceived as useful for	hours, and part-time	Limited sample of
	tabulation was	(less qualified)	everyday life?" (4-	life and social	preparing for ongoing work and	work, and is	civil servants
	used to	and	point scale).	sustainability of	meetings, and was also described as	moderated by the	participated.
	compare the	'nonroutine'	. ,	workers in	satisfying and challenging.	private use of	Lack of
	characteristics	(more highly	Time use control –	terms of time		smartphones. We find	description of
	of the	qualified) roles.	assessed by a	pressure and	"Among those teleworking only during	no significant	recruitment in
	employment	. ,	single item: "Do	time use control	regular working hours, 52% of the	associations between	terms of how the
	groups and	N = 456	you feel that you	in everyday life"	case workers and 56% of the	subjective time use	companies were
	binary logistic	(response rate	can decide how to		analytical workers feel time-pressed	control, job	chosen and how
	regression	40%)	use your time in		constantly or quite often; among	qualifications, and	employees were
	models were		everyday life (as		those also teleworking outside regular	teleworking practice.	approached.
	used to	Included n =	you wish)?" (4-		hours, the corresponding figures are	Family situation and	
	explore	128 conducting	point scale).		71% and 74%." (p.10)	having small children	
	associations	case work ("case	. ,			at home reduce time	
	between	workers") and n	Both outcomes		In the logistic regression model for	use control. Also, high	
	telework	= 184	were coded in		time pressure, never teleworking ( $\beta$ =	levels of smartphone	
	variables and	conducting	binary terms (no =		-0.644, p < 0.05), only teleworking	use for work-related	
	outcomes	analytical or	0, yes = 1) for		within regular hours (β = -0.866, p <	purposes are	
	(time pressure	management	logistic regression		0.01), age (being older; $\beta$ = -0.032, p <	associated with	
	and time use	work	analyses.		0.01), working full time (β = -0.806, p	reduced control."	
	control).	("analytical			< 0.05), and using a smartphone for		
		workers").	Other variables		private purposes often ( $\beta$ = -1.115, p <		
			investigated		0.05) or all the time ( $\beta$ = -1.089, p <		
		68.4% worked	include		0.05) were associated with		
		from home on a	employees' job		experiencing less time pressure,		

		regular basis,	qualifications/type		whereas having children at home ( $\beta$ =		
		Mean years of	of work		0.406, p < 0.01) was associated with		
		telework	assignments, their		experiencing more time pressure.		
		experience 3.2	teleworking				
		(SD 5.1).	practices, and		In the logistic regression model for		
		70.6% female,	their smartphone		time use control, having children in		
		Mean age 43.2	usage (to examine		the home (β = -0.503, p < 0.01) and		
		(SD 10.9) years.	associations with		often using a smartphone for work		
		85.7% FT.	outcomes).		purposes (β = -0.785, p < 0.05) were		
					associated with experiencing no		
			Working from		control over time use, whereas often		
			home was		using a smartphone for private		
			determined by an		purposes ( $\beta$ = 1.433, p < 0.01) was		
			affirmative		associated with experiencing control		
			response to the		over time use.		
			question: "Do you				
			sometimes work				
			remotely from				
			home during				
			and/or outside				
			your regular				
			working hours?"				
Tietze	Qualitative –	People working	Psychological	"the specific aim	Pre-implementation, participants	"To conclude, it is	One benefit is
2011	case study	in local	contracts ("the	of this article is	expected to gain better personal	worth reflecting on the	that the study
UK	(interpretive,	authorities,	individual beliefs,	to explore	wellbeing form working from home,	success of the	explored the
	short-term	taking part in a	shaped by the	changes to	particularly in relation to being calmer	homeworking	impact of a short-
	longitudinal),	3-month	organisation,	obligations	and less stressed.	initiative. The outcome	term (3-month)
	using	homeworking	regarding terms of	characterising	"We spend so much time at work and	for our participants	homeworking
	interviews and	pilot.	an exchange	the exchange	it is very depressing and stressful, and	was very positive, and	pilot, in-depth
	focus groups		agreement	relationships of	you know, I just want to be a nicer	with the organisation	using qualitative
		N = 7	between the	homeworkers	person at home and so that's why I	benefitting from	methods.
	Theoretical		individual and	who make the	really want to do it." (R3)	increased output, it	The authors note
	approach –		their	transition from		appears to be a win-	that interviewing
	psychological		organisation",	office to home-	Post-implementation, this expectation	win situation for both	the staff who
	contracts.		p.319, from	based working."	was realised for many participants,	employer and	remained in the
			Rousseau, 1995,		who felt less stressed and more	employee. Caution is	office (e.g.

I I I I I I I I I I I I I I I I I I I			1	1
Template	p.9) These can be	relaxed. Some attributed it to	needed here however.	managers) would
analysis was	relational or	escaping "bickering and gossiping" in	The findings also	have provided a
conducted	transactional.	the office, as some who had needed	suggest that managers	more complete
(templates are	Fulfilling or	to return for a meeting emphasised:	need to carefully	perspective on
provided in an	violating /	"I was in for a team meeting yesterday	consider the impact of	the impact of the
appendix)	transgressing	and the bad atmosphere and the	homeworking not just	homeworking
	these contracts	stress, it	in relation to those	pilot.
	can have	really hit you. I don't want to go back,	making the transition,	Another limitation
	consequences for	I want to continue with this." (R2)	but also in relation to	is that this study
	wellbeing. Only		those left behind in	was conducted
	those elements of	Those with children described feeling	the office, with	with staff from a
	homeworking	like better parents (mothers in this	feelings of resentment	specific LA
	relating to	case), with more quality time with	from office-based staff	department and
	wellbeing have	their families and for themselves.	potentially creating a	may not be
	been extracted.	Participants also reported being	new set of problems	applicable more
		better able to combine their work and	for managers to deal	widely.
		domestic responsibilities (e.g. meal	with"	There does not
		preparation, housework, shopping).		appear to be any
		Participants explained this in terms of		reflexivity.
		greater flexibility for performing tasks,		
		travel time saved, and special		
		proximity of 'work' and home. Two		
		participants reported a more equal		
		distribution of tasks between them		
		and their partner, either through the		
		need/preference to work in the		
		evenings, or getting a better sense of		
		what their partner does while working		
		from home.		
		Working from home also made it		
		easier for participants to manage their		
		own workloads and consequently		
		address equity issues and experience		
		improved wellbeing:		
		"If it hadn't been for the homeworking		

1			
		I'd have left the council by now	
		because they were expecting so much	
		for the money I was aettina but now	
		I do the work for my scale and that's	
		i+ "(D1)	
		<i>IL.</i> ( <i>K</i> 1)	
		One participant reported not enjoying	
		the job and stated that working from	
		home made it bearable.	
		Participants also reported increased	
		productivity, with more work being	
		done, targets being exceeded more	
		often backlogs of work cleared and	
		people feeling they were working	
		barder and with fower interruptions	
		narder and with rewer interruptions,	
		which made them more effective. In	
		terms of hours, many stressed they	
		adhered to their 37 hours per week.	
		Some reported deliberately	
		maintaining productivity in order to	
		remain working from home and not	
		he nulled back into the office	
		be paried back into the office.	
		Participants reported that new	
		working procedures (including having	
		to contact particular people by	
		to contact particular people by	
		telephone relating to queries) were a	
		source of stress, as the named contact	
		started to ignore their requests and	
		respond rudely, and the teleworkers	
		didn't want to phone too often as	
		they were concerned it might look like	
		they were struggling. Another concern	
		related to being micro-managed by	
		managers, phoning or emailing to	

					check up on those working from		
					home which caused tension		
					nome, which caused tension.		
					Working from nome generally had a		
					positive impact on relationships with		
					family members, particularly partners		
					and children, although there was		
					tension in some cases where partners		
					had to take on additional domestic		
					duties, a grandparent was upset about		
					no longer being needed for childcare.		
					and a worker who was being		
					constantly contacted by their mum		
					during working hours		
					Social isolation was not really a		
					concern among the participants in this		
					study, as they stayed in contact with		
					the people that mattered to them:		
					"I might have lost contact with people		
					you might spend 10 min a day with		
					but not with real friends " (P7)		
					Darticipants reported preastively		
					Participants reported proactively		
					organising meet-ups with other		
					nomeworkers whom they regarded as		
					Triends, and for two participants who		
					did miss the social side of working in		
					the office, this was offset by the		
					benefits of working from home.		
Toscano	Online survey,	Employees	Social isolation –	To investigate	Mean social isolation score was 3.33	"In particular, this	Cross-sectional
2020	available April	working	assessed using 4	"the correlates	(SD 1.00) and mean stress score was	study highlights a	design, thus does
Italy	and May	exclusively from	items from the	of social	2.55 (SD 1.17).	strengthening of the	not examine
	2020.	home during	Golden et al.	isolation in		adverse effects of	cause and effect
		April / May	scale, 1-5,	terms of stress,	Social isolation was significantly	social isolation on	relationships.
	A moderated	2020.	validated.	perceived	correlated with stress (0.50, p < 0.01),	remote work	Online survey and
	double			remote work	perceived remote work productivity (-	satisfaction in workers	recruitment

	mediation	N = 265	Stress – assessed	productivity and	0.43, p < 0.01), remote work	who are very alarmed	methods could
	model was	11 200	by the Avvagari et	remote work	satisfaction (-0.50, $n < 0.01$ ) and	about COVID-19 and	have resulted in
	developed to	63% female	al telework	satisfaction	COVID-19 concern (0.32 $n < 0.01$ )	at the same time a	selection hias and
	examine the	42% aged 26-35	exhaustion scale	proposing the		greater incidence of	sample were not
	relationshins	21% aged 36-45	4 items 1-5	sequential	Stress was significantly correlated	productivity	necessarily
	hetween the	17% aged 46-55	validated	mediation of	with perceived remote work	productivity	representative
	variables	11% aged $40-33$ ,	valluateu.	stress and	productivity ( $-0.35$ , $n < 0.01$ ), remote	work satisfaction	(mainly young and
	monsured	and 8% aread	Porceived remote	stress and	productivity (-0.55, $p < 0.01$ ), remote	among workers who	(mainly young and
	measureu.	allu 8% ageu	working	romoto work	COV(D = 10  concorp (0.16  p < 0.05)	arroloss concorned	well euucateu).
		250 years,	productivity	productivity	COVID-19 concern (0.10, $p < 0.03$ ).	ale less concerned	
		78.5% were	productivity,	productivity,		about the virus.	
		experiencing	remote job	and the			
		femble working	Satisfaction,	moderating role			
		time		of concern			
		ume.	COVID-19, and	about the new			
			experience with	coronavirus			
			remote work were				
Turner	Natura anna a bar	Desale mentione	also assessed.	(the second in sight		((The state bight bights	News
Travers	Nethography	People working	Insight into the	to gain insight	working from nome during lockdown	The study highlights	New
2020	– Internet-	at nome during	demands of nome	Into the	was interpreted as "a time of	the value of the	methodological
UK (mainly;	based	the COVID-19	working	demands of	contradictions and transitions", with	netnographic method	approacn,
worldwide)	ethnography.	pandemic.		nomeworking	new and excessive demands creating	as a data-gathering	benefits are the
	Qualitative			during the	worry, stress and pressure, but also	tool. It has allowed us	diverse range of
	analysis (no	N = 211 (at the		pandemic; to	opportunities afforded by a lack of	to determine patterns	possibilities,
	details given,	moment – the		inform the	commute and spending more time	in postings; an initial	however there is
	looks like a	study is		development of	with the family, also the opportunity	deluge subsequently	very little detail
	form of	ongoing)		guidance to help	to exercise:	settled into a rhythm,	reported on the
	thematic			people manage	"I find it hard when school insist on	where the weekend is	methods of data
	analysis as the			homeworking	calls, Zoom or work submitted by a	quiet, but Mondays	collection and
	paper			more effectively	certain time, or just call you in bed at	are quite active. Key	analysis.
	mentions			post Covid-19	9 am and expect you up answer. I	government	
	themes) of			and to explore	normally pay for a team of folk to look	announcements also	
	internet-based			the use of	after my kids so find the expectation	appear to be triggers	
	contributions			netnography as	that I work directed hours a bit sexist	for activity, as new	
	from "group			a novel method	and not family friendly. My line	guidance is provided.	
	members", in			for	manager clearly does not parent his	We are continuing to	
	the form of			understanding	own kids much! [emoji] on a	determine themes and	

				•	
blogs, video		remote-	positive note I only got a 6 week	analyse the rich visual	
posts, photos,		working"	mat(ernity) leave as it was a new job	images that are being	
snapshots,			so the extra paid time with my new	posted. Unexpectedly,	
memes, verba	1		baby has been delightful, getting my	the group appears to	
accounts or			garden, loft, clothes cupboards	have evolved into a	
reflections.			cleared out is a joy for someone who	source of support and	
			loves a clear out family walks in	a way for people to	
			forests I want to keep doing after lock	make sense of their	
			down is lifted as it has been tonic for	experiences, with	
			the soul"	members frequently	
			"all very reminiscent of the 70s when	offering validation and	
			I was arowing up. Meals from scratch.	tips to others."	
			haking hobbies plant growing and all		
			the things I usually do not have time		
			for My defences against anxiety are		
			aoing quite well"		
			going quite wen		
			The social element was important to		
			neonle with video calling providing a		
			way to connect, albeit awkwardly		
			(cortainly at first):		
			"Had my first online meeting today		
			Six colloggues looking yory gwkwardh		
			six conedgues looking very dwkwardly		
			out from my screen und me looking		
			However, it was very comforting to		
			see them, we re quite a close-Khit		
			bunch i suppose, and the fact that		
			these familiar faces are still out there,		
			has lifted the spirits a little."		
			Some participants were keen to		
			return to the workplace, whereas		
			others wanted to continue to work		
			from home following lockdown, as		
			they liked the flexibility it afforded.		

		Some participants reported a brain	
		fog or fuzziness in relation to home	
		working, and feelings of fatigue were	
		also common:	
		"started out with brain fog But	
		looking back I'm wondering if that was	
		extreme anxiety about delivering	
		teaching online and feeling deskilled	
		with minimal tech resources - with no	
		practical or constructive responses to	
		any expression of anxiety from boss. I	
		felt paralysed with fear to be honest."	
		,,,,,	
		Some people reported struggling with	
		a lack of routing, and others crafted	
		their own routines, although there	
		was concern that these may not be	
		sustainable over the longer-term:	
		"Sometimes, I just wake up crazy early	
		and am unable to get back to sleep.	
		This results in me feeling rubbish, tired	
		and at the end of the working day. in	
		no mood for exercise "	
		"Now I'm thinking more clearly than	
		usual Laniou the focus but that's only	
		usuu. Tenjoy the jocus, but that's only	
		when combined with a daily 2 hr	
		run/walk at 6pm and 20 minutes	
		cardio activity at 12.00. So, although	
		I'm working effectively, I'm having to	
		use unsustainable compensatory	
		behaviour to maintain that."	
		This changed throughout lockdown, as	
		time went on and reported their	
		wellbeing and job performance	
		weineing and job periornance	

fluctuating – sometimes described as
the "corona-coaster" Some neonle
developed strategies to evergeme
some of the challenges:
"The first week of lockdown I was
really productive and thought I was
going to get a lot done. But then I hit a
wall and had five weeks when I just
managed to keep on top of things. The
simplest of tasks took hours. But last
week I moved my working to another
room, set specific targets for each day
(smaller targets than I would
otherwise set) and I seem to have
become more productive again.
Hopefully the foa has lifted."
The availability or lack of availability of
suitable work space at home also
impacted on neonle's wellbeing
Working in unsuitable spaces (e.g.
landing blocking fridge door) and
competing for space with other family
competing for space with other failing
members (e.g. children, pets) could
cause problems, but people also
expressed warmth for their children
and pets. Photographs depicted these
scenes and people also spoke about
the worry of people seeing these
things in the background on video
calls, although some people enjoyed
the informality of this way of
communicating. People also spoke of
their 'space' being invaded:
<i>"I've worked from home for 20 years</i>
now. These last 5 weeks the landscape

		of that has changed drastically The	
		bouse during the day is no longer my	
		nouse during the duy is no longer my	
		own! It feels crampea. Ny "space" has	
		been invaded."	
		Scheduling differences created	
		problems for those with children, and	
		differences in routines could be	
		distracting for some:	
		"take my lunch breaks at 12 (because	
		I'm starving by then!!). My youngest	
		follows her school schedule and has	
		hers at 1:10. I can't take all that time	
		out of my day and make 2 lunches at	
		different times. It's all very hit and	
		miss!!"	
		Incompatibility with housemates in	
		terms of workload and others'	
		responses to the lockdown also	
		impacted on people's wellbeing:	
		"20 April at 11,50 (5 weeks in)	
		30 April at 11:59 (5 weeks in)	
		Anyone jinding their nousemates are	
		struggling this week?	
		I think it's the change of weather, but	
		I've got a bit more work than I've had	
		in recent weeks, whereas my	
		housemates are struggling to find	
		things to do during the rain when they	
		can't get outside, and are constantly	
		interrupting me/whinging/being	
		needy/snapping at each other and	
		me/ranting about things that can't	
		currently be changed.	
		It's making me feel very tired, and	
		unable to concentrate on work fully.	

					I've sent both of them off to do some tasks separately, while I try to get on with work. It's like having two kids again - they are 20 & 51!!! [two frustrated emojis]"		
Trent 1994 USA	Mailed survey	People working at private sector companies N = 38 (15 telecommuters, mean age 46.3 (SD 7.0); 9 people who worked exclusively from home, mean age 33.8 SD 6.0); people who worked exclusively from the office, mean age 41.7 (SD 8.6) years).	Stress, assessed using the PSS, 14 items, 1-5. Perceived social support, assessed using the Social Support Index – Revised, 30 items, true/false, 3 domains & composite score. Working from home was defined as all those who worked exclusively from home, telecommuters were defined as those who worked partially from home but also visited/worked from the office.	To examine "stress experienced by telecommuters and their social support"	There were no differences in perceived stress score between the three groups (telecommuters, those who worked from home, those who worked from the office), although the authors suggest this may be due to the sample size. Isolation scores were highest among the work-at-home group (mean 3.1, SD 1.1) than the office group (mean 2.4, SD 0.9), and lowest in the telecommuting group (mean 1.7, SD 1.0), and the ANOVA showed a significant difference of group (F = 5.82, p = 0.007). In terms of social support, both telecommuters and office workers differed significantly from those who worked exclusively at home (but not from each other). The authors suggest that this may be because "frequent regular trips to the office keep telecommuters from feeling isolated or forgotten" or that "people who work at home may not have easy access to co-workers' support which may load to ctroes from longlingers and	"telecommuters and office workers perceived more support than those working at home. Telecommuters also reported less stress and a stronger preference for this new work option."	Short paper, little detail. Also from 1994, so may be of little relevance to today's context (e.g. lack of Internet access). Possibility of being under- powered due to the small sample size.
					isolation".		

Virick	Online survey,	Telecommuters	Life satisfaction,	"to determine	Life satisfaction was significantly	"Our findings fail to	Small sample,
2010	administered	working for a	assessed using a	factors that are	correlated with job satisfaction (and	support the linear	with smaller
USA	2000.	large telecoms	4-item scale by	related to	no other variables).	contention that the	subsamples that
		organisation in	Diener et al., 1-7,	employee		more employees	may not be
		the USA.	validated.	satisfaction with	In a regression model predicting life	telecommute, the	adequately
				telecommuting"	satisfaction, no linear relationship was	more satisfied they are	powered.
		N = 85	Extent of	0	found between extent of	(Pinsonneault and	Does not account
			telecommuting,		telecommuting and life satisfaction. A	Boisvert, 2001), or that	for 'happy
		75% male,	assessed using an		curvilinear relationship was identified,	telecommuting leads	workaholics'.
		Mean age 41.5	item asking		whereby "for employees with high	to decreased job	Cross-sectional.
		(SD 9.15) years.	respondents to		drive and low enjoyment, life	satisfaction (Cooper	
			estimate the		satisfaction is low when there is a	and Kurland, 2002). On	
			average number		moderate amount of telecommuting.	the contrary, the	
			of days worked		However, with other employees, the	findings of this study	
			from home (1-6		relation is the opposite. Life	add to the evidence of	
			scale).		satisfaction is high when there is a	a curvilinear inverted	
					moderate amount of telecommuting".	U-shaped relation first	
			Also assessed job		(See below) Thus <b>drive and</b>	posited by Golden and	
			satisfaction,		enjoyment moderate the relationship	Veiga (2005). In	
			worker types,		between telecommuting and life	addition, the current	
			perceived		satisfaction.	study adds to the	
			performance			existing literature on	
			outcome			telecommuting by	
			orientation and			proposing and finding	
			control variables			higher order relations	
			(tenure and			influencing the	
			gender).			complex relation."	
Vittersø	Mixed	Workers	Subjective quality	"(1) to re-	The model showed that employees'	"We found that for	Response rate of
2003	methods: self-	(including those	of life (QOL),	analyse the	sense of belonging increased with a	employees, number of	41%.
Europe (UK,	administered	who did and did	assessed using the	material from	greater number of days working from	days working from	Convenience
Norway,	questionnaires	not telework)	CHP's QoL Profile,	the EURESCOM	home (β = 0.30, p < 0.001). There	home did not affect	sample.
Iceland,	(probably	form companies	measuring 4	study (Akselsen	were no significant impacts of WFH on	overall satisfaction	No detail on
Portugal)	paper-based?	where	dimensions (3 of	et al., 2001)	control, flexibility or concentration in	with life. However, it	collection or
	Does not say);	teleworking	human growth	according to a	this model.	did predict an increase	analysis of
	followed by	seemed possible	and 1 of overall	revised model of		in the workers' sense	qualitative data.
	qualitative	/ likely.	life satisfaction),	QoL, and test	Interviews revealed that a sense of	of belonging. We did	

intonvious on		109 itoms	the hypothesis	belonging (o.g. in terms of family	not dotact any	
	N - 217	importance and	the hypothesis	belonging (e.g. in terms of failing	not detect any	
a more	N - 217			concerns, annihiles with local regions		
focused set of	Mean age 38.25	satisfaction rates	Increases the	and closeness to old mends) would	remote work and any	
issues.	years	ior 54 items), 5-	QUEIDI	unve the teleworking arrangements	or the three	
<b>A</b>		point scale.	employees;	(rather than teleworking increasing a	nypotnesized	
Quantitative	Also included a		(2) to explore	sense of local belonging). Spending	mediating variables,	
data were	subsample of	Telework was	the possible	less time commuting allowed workers	namely control,	
analysed using	partners of	assessed with the	effects of	to spend more time with family and	flexibility and	
structural	workers (n =	item "On average,	control,	friends (which had a positive impact	concentration."	
equation	112), 65% of	how many days	flexibility and	on wellbeing, although this was more		
modelling.	whom worked	per week do you	concentration as	inferred than explicitly stated).		
	FT and 18% of	work at home?"	mediating			
	whom worked		variables	Those who had worked for a whole		
	PT themselves		between the	week at home described it as an		
	(not extracted).		working	isolating experience:		
			situation and	"If you are going to stay at home for		
	N = 89		subjective QoL;	five days, you get isolated It is		
	Participants of		(3) to explore	strenuous, and you need high self-		
	in-depth		the relationship	discipline to make it work. Working at		
	interviews (42		between	home once a week is the ideal		
	workers, 18		employees'	situation." (Norwegian teleworker)		
	partners, 8		work situations			
	children, 3		and the QoL of	The SEM analysis did not support the		
	friends, 9		their partners;	prediction that concentration,		
	managers and 9		(4) finally, since	flexibility and control were mediators		
	colleagues)		empirical	of the effect of teleworking on		
			confirmation of	wellbeing, whereas interview data		
			the	suggests these factors could have		
			hypothesized	been important mediators. The		
			factor structure	authors suggest this may have been		
			of the QoL	due to measurement error in the		
			Profile Inventory	survey, as each were measured using		
			is still defective,	three items and the measures were		
			we wish to	not validated.		
			contribute with			
			an empirical			

Waizenegger 2020 Worldwide	Qualitative interpretive study, conducted in April 2020. Focus on affordances. Data were analysed using thematic analysis (Braun & Clark, 2006).	Knowledge workers who were previously working in office spaces and worked from home during the lockdown. N = 33 (29 interviews) 39.4% female, Aged 20-50	Experiences of home-workers.	validation of the scale by means of a confirmatory factor analysis." To gain / contribute "understanding of the substitution of affordances for team collaboration during COVID- 19, and how knowledge workers can use technology to achieve their goals during this pandemic"	<ul> <li>The authors noted some differences between any pre-COVID-19 home-working scenarios and the present scenario, and they suggest findings should be interpreted in the context of these things:</li> <li>No-one had a choice about working from home, it was a requirement;</li> <li>Most of the company's workforce needed to work from home;</li> <li>Employees were concerned about their own health and that of their families and work colleagues;</li> <li>Participants often worked in a space shared with other occupants of the household, and this caused distraction and difficulty in focusing on work tasks;</li> <li>Participants' mental and physical wellbeing was (equally) affected by a lack of physical activity, due to sports facilities being closed and minimal contact with others being allowed.</li> </ul>	"This paper contributes to the affordance theory by providing an understanding of the substitution of affordances for team collaboration during COVID-19. The shifting of affordances results in positive and negative effects on team collaboration as various affordances of technology were perceived and actualised to sustain "business as usual"."	Participants recruited from a range of industries. Online recruitment may have led to selection bias. Limited reflexivity.
					allowed. Some workplaces and teams had implemented daily video meetings to check in on the wellbeing of staff in the team, which people felt helped them to feel part of the team.		

Come receipt found wides
Some people round video-
conterencing overwheiming and
suffered from "virtual meetings-
fatigue", due to the additional
attention demands of virtual
meetings. Some people also found
virtual meetings intrusive (schedule-
wise), particularly if a number of
meetings were scheduled. The
amount of virtual meetings and the
accompanying resultant exhaustion
could negatively impact on
collaboration outside of virtual
meetings.
The enforced nature of working from
home meant that everyone faced
different challenges. People who live
on their own might feel isolated and
crave social contact, whereas working
narents and caregivers might struggle
with the number of online meetings:
"It drives me nuts. I think the thing is
averyone is coning with this so
differently. There's some needle whe
dijjerentiy. There's some people who
don't see a single person in a day, and then there is mere where is surgered ad hu
then there is me who is surrounded by
people. It's different, because even the
other people in the team with kids,
they still want adult conversation,
whereas I get enough adult
conversation in my daily conversations
with my team members" (Rajani)
For working parents in particular, the
home environment was often not

conducive to working. Under pre-
COVID-19 circumstances, children
would have been in school or
childcare however during the
lockdown it was common for workers
to have other household occupants in
the shared work/home space, and this
environment was not conducive to
being able to focus on work tasks or
video meetings, for instance, if
children were plaving loudly or
screaming in the background
Socialisation was something that
generally improved as organisations
and teams would arrange video
mostings for social purposes
Employees approxisted baying the
Employees appreciated naving the
opportunity to catch up with team
members they alon't usually see
anyway (e.g. if they were in another
country), and these opportunities
have allowed the team to bond. Some
organisations and teams already held
a physical social event, which they
moved online, and some created an
online social event, where previously
there was no culture of socialising in
the workplace, and people found this
social support useful for wellbeing:
"But the remaining have been
incredibly caring of each other and
we've seen that different level of
bonding coming out." (Laura).
In some workplaces, pre-COVID-19,
workplaces would arrange physical

					social events, which remote workers had often missed out on, however now everyone was working remotely and there was a feeling of team bonding: <i>"We're speaking more frequently than we ever did before. Which I'm finding better just because I can communicate more regularly, and so I feel more connected than I ever did before when I used to go up once a month or once every two months. Now that everybody's doing it, and we've figured out ways to make it work, it's actually much more quality now, in my opinion, much more consistent" (Wendy)</i>		
Weitzer	Online survey,	General	Quality of life –	"To explore	"In the working sample, those working	"A transition to more	Representative
2021	available 3 <sup>th</sup> to	population,	assessed using a	changes in	from home were more frequently	flexibility of workplace	sample recruited
Austria	25 June 2020	quota sampleu,	asking	and perceived	home) vounger ( $< 30$ years 82.6%		Employment
	reference to	ageu 10-05.	respondents if	nroductivity	working from home: 30-19 years	important nositive	history (e.g. prior
	the time	N = 1007	their Ool had	focusing on the	78.1% > 50 years 61.1%) and	consequences for	WFH) working
	period 16 <sup>th</sup>	1007	changed	effects of	narticipants who had received higher	family and professional	environment and
	March to 1 <sup>st</sup>	55% female,	(response options:	working from	education (high school or less, 57.7%	life, for stakeholders,	related conditions
	May 2020).	65.3% were	decreased	home during the	working from home: University	for public health, and	at home were not
		employed FT or	importantly,	first COVID-19	entering exam, 80.8%; University	ultimately for the	assessed.
	Multinominal	РΤ,	decreased, no	50-day	degree, 85%)."	environment."	Changes in self-
	regression	17.7% were not	change, improved,	mitigation			reported QoL
	models were	WFH, 29.3%	improved	period in	Those who worked from home all the		could not be
	used to	were WFH part	importantly)	Austria"	time were more likely to report an		quantified (or
	calculate ORs	of the time and	during the COVID-		increased QoL compared with those		rather were not
	and 95% Cls of	21.0% were	19 mitigation		who were not working from home (OR		quantified).
	improved /	WFH all of the	period (compared		3.69, 95% CI		Cross-sectional,
	decreased	time.	with before the		1.86 to 7.29). Similar for men and		therefore cannot

	Ool in the		mitigation period)		women Working part of the time		infer causality
	entire sample				from home was also associated with		Possibility of
	(and		Also assessed		an increased OoL compared with not		confounders
	productivity in		productivity at		working from home (OR 2.07, 95% Cl		comounders.
	a sub-sample		work		1 09 to 3 91) Likewise not working		
	– not		Worka		from home appeared to be associated		
	extracted)		Working from		with decreased Ool compared with		
			home was		working part or all of the time from		
			assessed using a		home		
			self-report				
			measure with the				
			response options:				
			not working from				
			home working				
			partially from				
			home, working				
			from home all the				
			time. (Also asked				
			about				
			employment.)				
Wickens	Online survey,	Adults aged ≥18	Depressive	To assess	Of those working from home, 20.4%	"Pandemic responses	Panel designed to
2021	available 8 <sup>th</sup> to	years, who were	symptoms –	"household- and	experienced depressive symptoms.	must include resources	be representative,
Canada	12 <sup>th</sup> May	members of the	assessed by a	employment-	This was lower than for those laid off	for mental health	but may have
	2020.	AskingCanadians	single item from	related risk	or not working (28.5%), and similar to	interventions.	excluded people
		web panel.	the Center for	factors for	those with no change (18.0%) (those	Additionally, further	who were not on
	Hierarchical	-	Epidemiologic	depressive	laid off/not working experienced	research is needed to	that panel, thus
	binary	N = 1002	Studies	symptoms	significantly higher depression than	track mental health	may have
	logistical		Depression Scale	during the	those working from home and with no	trajectories and inform	introduced
	regression	49.7% female,	(CES-D; Radloff	pandemic"	change, according to a Chi-squared	the development,	selection bias.
	analyses were	13.2% aged 18-	1977): "In the past		analysis, p < 0.05).	targeting, and	Cross-sectional
	conducted to	29, 26.1% aged	7 days, how often			implementation of	study with
	examine	30-39, 23.9%	have you felt		In the regression analysis, after	appropriate mental	correlational data.
	associations	aged 40-49,	depressed?"		adjusting for demographic variables,	health prevention and	Some variables
	between	17.7% aged 50-	Response options:		working from home was not a	treatment	may overlap (e.g.
	depressive	59, 30.4% aged	"rarely or none of		significant predictor of depressive	interventions."	working at home,
	symptoms and	≥60 years.	the time (less than		symptoms (adjusted OR 1.16, 95% Cl		and looking after

househo	old-	1 dav)". "some or	0.75 to 1.77) (the odds of	small children)
and		a little of the time	experiencing depressive symptoms	but this was not
employr	ment-	(1-2 davs)".	were higher among whose with a job	examined.
related	risk	"occasionally or a	at high risk for exposure to COVID-19	May have been
factors.		moderate amount	and who experienced financial worry	subject to non-
		of the time (3-4	due to COVID-19).	response bias.
		days)", and "most		Depressive
		or all of the time		symptoms were
		(5-7 days)",		self-reported with
		converted to		a single item
		binary coding for		measure, and this
		analysis (those		was dichotomised
		who reported		for analysis.
		feeling depressed		
		3-7 days per		
		week; those who		
		reported feeling		
		depressed <3 days		
		per week).		
		Employment-		
		related risk factors		
		included job		
		exposure to		
		COVID-19 (yes,		
		no), change in		
		employment		
		situation		
		experienced		
		(working from		
		home, laid off or		
		not working, no		
		change or other),		
		and worry about		
		the impact of		
		COVID-19 on		

potentially subscale of the SF-	Wilke 2021 Worldwide (14 countries)	Online survey (large survey – ASAP (Activity and Health during the SArs-CoV2 Pandemic; Simpson 2020) administered in April and May 2020. Wilcoxon tests used to compare pre- to during- pandemic values. Binary logistic regression used to calculate ORs for variables potentially	People aged ≥18 years living in countries with confirmed cases of SARS-CoV2 and confinement measures limiting movement in public spaces. N = 14,975 58.1% female, Mean age 38 (SD 15) years.	financial situation (not at all or not very worried, somewhat worried, very worried). Household risk factors were also reported (not extracted). Mental wellbeing, assessed using the World Health Organization Well- Being Index (WHO-5), 5 items, 0-5, total scores range 0-100, scores ≤50 may indicate depression. Completed twice – once referring retrospectively to before restrictions and once referring to during restrictions. Physical wellbeing, assessed using the bodily pain subscale of the SF-	To investigate whether "restricting public life to address the COVID-19 pandemic is globally associated with decreases in markers of psychological and physical health"	Working outside the home vs. working remotely was associated with clinically relevant reductions in mental wellbeing (OR 1.29, 95% CI 1.16 to 1.44), as was working both outside the home and remotely vs. working remotely (OR 1.35, 95% CI 1.23 to 1.47). No associations with physical wellbeing (bodily pain) were found for work mode (p = 0.76).	"Study findings suggest lockdowns instituted during the COVID-19 pandemic may have had substantial adverse public health effects. The development of interventions mitigating losses in MWB and PWB is, thus, paramount when preparing for forthcoming waves of COVID-19 or future public life restrictions."	Large multinational survey is a benefit. Selection via social media may introduce selection bias. Retrospective completion of wellbeing – may be recall bias.
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	reductions in		musculoskeletal				
	wellbeing.		pain (6-point				
	0		scale) and the				
			resulting disability				
			(5-point scale).				
Wöhrmann	Telephone	Qualified and	Psychosomatic	"Does telework	No significant correlations were found	"These findings add to	Variety of
2021	survey (large-	highly qualified	health complaints	affect	between telework and psychosomatic	the debate on the	occupational
Germany	scale,	white collar	were assessed by	employees'	health complaints.	beneficial and	sectors.
	population-	workers aged	aggregating into	mental health		detrimental effects of	Cross-sectional,
	level)	≤65 years who	an index following	indirectly via	The 'telework' path analysis model	digitisation by focusing	therefore
	undertaken in	reported the	Franke (2015), and	different	showed a good fit to the data.	on significant working	common methods
	2015.	use of modern	included:	working	Significant indirect relationships of	conditions related to	bias could have
		information and	headache; fatigue,	conditions?	telework with psychosomatic	telework."	inflated
	Path analyses	communication	weariness or	More	complaints were found via working		correlations and
	were	technology for	lassitude; stomach	specifically, we	conditions that could be regarded as		cannot infer
	conducted,	their work.	and digestion	examine the	job resources (working time control,		causation.
	starting with		complaints,	employees'	relations with co-workers – negative		Generalisability
	telework vs.	N = 9165	tension and	situation with	relationship with psychosomatic		may have been
	no telework as		irritability, sleep	regard to	complaints) and working conditions		, limited by the
	the	49% female,	disorders,	psychosomatic	that could be regarded as job		disproportionately
	independent	Mean age 46.2	dejection, physical	health	demands (time pressure,		small numbers of
	variable in the	(SD 10.2) years,	exhaustion and	complaints,	boundaryless working hours,		teleworkers in
	first step.	62% educated	emotional	which comprise	disturbances and interruptions –		Germany at the
		to HE,	exhaustion.	different aspects	positive relationship with		time of the survey
		74% living with	Participants rated	of mental health	psychosomatic complaints). Telework		(in comparison
		partner,	whether they	such as	was indirectly related to more		with international
		36% had	occurred	headache,	psychosomatic health complaints via		numbers).
		children in	frequently in the	dejection,	boundaryless working hours, quality		Due to small
		household,	last 12 months	irritability,	of relations with co-workers and time		numbers of less
		77% worked FT,	while working / on	sleeping	pressure. Telework was indirectly		highly skilled and
		18%	work days, 0-8,	problems and	related to less psychosomatic health		blue collar
		teleworked, an	validated.	exhaustion."	complaints via more working time		workers, these
		average of 1.92			control and fewer disturbances and		types of workers
		days per week.	Telework was		interruptions.		were not
			assessed with the				investigated.
			question, "Do you		The 'extent of telework' path analysis		

					mandal about a good fit to the state		
			nave a telework		The system of the laws which have the data.		
			agreement with		The extent of telework to be positively		
			your employer?"		related to boundaryless working		
			and the extent of		hours, but was unrelated to working		
			telework was		time control as well as to time		
			assessed with the		pressure, and was negatively related		
			question "On how		to the quality of relations with co-		
			many days per		workers and to disturbances and		
			week do you make		interruptions. The extent of telework		
			use of this		was indirectly related to more		
			telework		psychosomatic health complaints via		
			agreement?"		increased boundaryless working		
					hours, and decreased quality of		
					relations with co-workers,		
					disturbances and interruptions. The		
					model variables together explained		
					18% of the variance.		
Wood 2021	Four week	Two UK	Three measures of	Impact of	Fewer variables were significantly	The factors that	
UK	diary studies	universities	wellbeing	homeworking	related to well-being for the between	emerged as the most	
	over two time	(staff).	(hedonic affect:	on homeworker	person investigation than in the	consistent predictors	
	periods.	, , ,	anxiety–	wellbeing.	within-person investigation, but the	of well-being were the	
		N=784 (20%	contentment and	U	effects are stronger. For phase 1.	iob characteristics of	
		response).	depression-		these accounted for 73.4% of the	autonomy and social	
			enthusiasm).		variance for anxiety–contentment.	support (both positive	
			Warwick–		70% for depression–enthusiasm and	predictors), the work–	
			Fdinburgh Mental		70.4% for mental well-being. For	nonwork interface	
			Well-being		phase 2 the variance explained	factor of detachment	
			Scale (WEMWBS)		decreased to 58 5% for anxiety-	from work (also a	
			ocale (Treintroo)		contentment 62.6% for depression-	nositive predictor) the	
					enthusiasm and 61.9% for mental	homeworking factor of	
					well-being	Ioneliness (a negative	
					wen being.	nredictor) and the	
					Of the predictors tested at the	COVID-19 factor of job	
					between-nerson level longlings was	insecurity (another	
					associated (pogatively) with all well	nogativo prodictor)	
					associated, (negatively) with all Well-	negative predictor).	
				1	being measures for both phases. Job	Factors pertaining to	
					autonomy (positive relationshin)	the enforced nature of	
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					detachment from work (positive	homeworking and the	
					relationship) and job insecurity	$COVID_{-10}$ factors	
					(negative relationship) were related to	pertaining to increases	
					(negative relationship) were related to	in deaths and the	
					all outcomes in phase 1; but in phase	in deaths and the	
					2 Job autonomy was unrelated to	Interaction effect of	
					anxiety–contentment, detachment	this with age had some	
					from work was unrelated to	bearing on well-being	
					depression–enthusiasm,	in phase 1, when it did	
					and job insecurity was associated with	not at phase 2,	
					only anxiety–contentment. Job	suggesting a decline in	
					demands and work- to-nonwork	their salience over the	
					conflict were both negatively related	pandemic period. In	
					to anxiety-contentment only in phase	general, support for	
					1, and social support was positively	the	
					related only to mental well-being in	hypotheses in the	
					both phases. ICT constraints was	person-level analyses	
					related to mental well-being in phase	was weaker.	
					2 but, contrary to expectations, the		
					relationship was positive.		
Xiao	Online survey,	Those who had	Physical and	"To understand	Compared with pre-WFH, mean	"This study highlights	Online survey and
2021	available 24 <sup>th</sup>	transitioned to	mental wellbeing	impacts of	ratings were decreased for overall	factors that impact	selection methods
US (mainly)	April to 11 <sup>th</sup>	WFH during the	were rated	social,	physical (2.84, SD .87) and mental	workers' physical and	may have
	June 2020.	COVID-19	overall, relative to	behavioural and	(2.70, SD 0.93) wellbeing. Overall	mental health well-	introduced
		pandemic	their wellbeing	physical factors	physical activity and physical exercise	being while WFH and	selection bias.
	Pearson	(assessed by	prior to WFH on a	on well-being of	decreased, and overall food intake	provides a foundation	Sample worked
	correlation	screening	Likert scale, 1	office	increased (although this was the same	for considering how to	across a range of
	analyses were	question).	(much lower) to 5	workstation	for 'healthy' and 'junk' food).	best support a positive	organisational and
	conducted to	. ,	(much higher) (3 =	users during		WFH experience."	occupational
	examine	N = 988	the same).	COVID-19 work	Physical well-being was significantly		categories.
	relationships		Participants also	from home	correlated with mental wellbeing (r =		Self-report of pre-
	among	56.5% female.	rated 9 types of	(WFH)."	0.52, p < 0.01), overall physical activity		pandemic
	continuous	Mean age 40.9	new physical		(r = 0.50, p < 0.01), physical exercise (r		outcomes is
	variables, with	(SD 13.1) years.	health issues and		= 0.58, $p < 0.01$ ), 'healthy' food intake		retrospective and
	correlations	84.2% had	8 types of new		(r = 0.34, p < 0.01), and 'junk' food		thus subject to
	identified as	another	mental health		intake (r = $0.63$ , p < $0.01$ ), whereas		recall bias.

weak (0.30 to	independent	issues.	mental well-being was significantly	Sample may not
0.50),	adult living with	Participants were	correlated with overall physical	be representative
moderate	them, 50.2%	categorised by the	activity (r = 0.36, p < 0.01), physical	<ul> <li>authors report</li> </ul>
(0.50 to 0.70)	had a pet, and	number of new	exercise (r = 0.33, p < 0.01), and	over-
or strong	21.5% had at ≥1	physical or mental	distractions while working (r = -0.30, p	representation of
(>0.70). Linear	dependent or	health issues	< 0.01) (for correlations with	workers in
regression	child in the	(none, 1, or ≥2	meaningful interpretation as weak,	California,
was	home.	issues).	moderate or strong).	Caucasian and
conducted to	73.4% had			with higher levels
examine how	adjusted their	Lifestyle and	For dichotomous questions, the only	of education and
worker	working hours,	home	variable for which there was a	income than the
demographics,	and 37.4%	environment,	meaningful (or nearly meaningful)	US average. Also,
lifestyle and	scheduled their	occupational	difference on physical wellbeing was	not all job
home	work hours	environment and	between those who reported knowing	categories
environment,	around others.	home office	how to adjust their workstation (2.93,	represented.
occupational	33.0% had a	environment was	SD 0.87) and those who did not (2.80,	
environment,	dedicated room	also assessed.	SD 0.87, p = 0.04). Similarly, those	
and home	for their work,		who differed on mental wellbeing	
office	50.3% had a		were those who knew how to adjust	
environment	work station in a		their workstation (2.84, SD 0.96)	
factors	room that had		versus those who didn't (2.65, SD	
affected	other uses, and		0.91, p < 0.01), those who reported	
overall	16.7% worked in		having (2.83, SD 0.82) versus not	
physical and	a variety of		having a good workstation set-up	
mental well-	places around		(2.66, SD 0.97, p = 0.01). Mean mental	
being.	the house.		wellbeing was lower for those who	
			adjusted their work hours (2.65, 0.95)	
			than those who did not (2.86, SD 0.87,	
			p < 0.01), those who needed to	
			schedule their work hours around	
			others (2.59, SD 0.95) than those who	
			did not (2.77, SD 0.92, p < 0.01), and	
			those who reported somebody in the	
			same workspace while WFH (2.64, SD	
			0.95) than those who reported a	
			solitary work environment (2.78, SD	

0.90  n = 0.04
0.50, p = 0.04).
In regression analyses for factors
affecting physical and mental
wellbeing an annual income of EOk to
100k (presumably USD?) was the only
factor that was significantly associated
with (higher) wellbeing (for both
types) compared with an annual
salary of <50k, in the two-step model.
Combining all variables gave a strong
significant model for predicting overall
physical well-being (F(38, 350) =
11.462, p < 0.001, R <sup>2</sup> = 0.561), where
predictors were higher levels of
physical exercise, healthy food intake,
and communication with co-workers;
lower levels of overall food intake and
junk food intake; and being positively
affected by having a toddler at home.
Similarly, improved mental wellbeing
$(F(38, 351) = 5.306, p < 0.001, R^2 =$
0.371) was predicted by increased
nhysical exercise increased
communication with co-workers and
decreased junk food intake along
with being positively affected by
having an infant in the home and
negatively affected by increased
distractions while working.
64.8% of participants reported new
physical health issues and 73.6%
reported new mental health issues
arising since they switched to WFH
during the pandemic. Factors

		associated with new physical and	
		mental health issues were similar, and	
		included being female, earning <50k	
		or 50-100k (presumably USD) and	
		overall food intake, whereas increased	
		physical activity, exercise, increased	
		healthy food intake, and lower junk	
		food intake were all associated with	
		fewer issues. Living with ≥1 teenager	
		lowered the chance of reporting new	
		issues. whereas living with ≥1 toddler	
		increased the chance of reporting new	
		health issues. Having an infant at	
		home was also associated with	
		reporting one new mental health	
		issue desnite this variable being	
		associated with better overall	
		wellbeing Those who had to adjust	
		their working hours schedule work	
		around others, and had more	
		distractions were more likely to report	
		also actions were more likely to report	
		22 new physical or mental health	
		issues. Those with a dedicated room	
		for their workstation and with a good	
		workstation set-up had fewer new	
		issues, whereas increased time spent	
		at the workstation, higher workloads,	
		and not knowing how to adjust the	
		workstation were associated with new	
		physical but not new mental health	
		issues. Higher satisfaction with	
		workspace indoor environmental	
		quality factors was associated with a	
		lower chance of respondents	
		reporting new physical or mental	
		health issues.	

Xue	Online survey	Working parents	Unpaid care work:	"To describe	In April 2020, while working from	"There are continued	The main focus is
2021	– longitudinal	living in a	Psychological	how men and	home with children present, in mixed-	gender inequalities in	not on WFH but
UK	survey	(heterosexual)	distress (assessed	women divided	sex couples, women shared 64% of	divisions of unpaid	on other things
	(completed	couple	on the GHO.	childcare and	the housework and 62% of the	care work. Juggling	that are
	monthly), by		scores range from	housework	childcare. Increased housework and	home working with	happening at the
	neonle	April 2020	0-36 higher	demands during	childcare/home-schooling hours were	homeschooling and	same time
	already	N = 15.426	scores indicate	the height of the	(weakly) associated with higher levels	childcare as well as	(including
	narticinating	(9007 women	greater distress)	first Covid-19	of psychological distress (assessed on	extra housework is	adjustments to
	in an existing	6419 men)	8.0000 0.000	lockdown in the	the GHO) among women, with every	likely to lead to poor	working), so may
	longitudinal	62% women and	(Confounders	UK and whether	1-hour increase in housework hours	mental health for	he less applicable
	survey (UK	63% men were	were age.	these divisions	per week associated with 0.05 (95%	people with families.	to post-COVID.
	Household	working FT or	ethnicity whether	were associated	Cl: 0.019, 0.071; n = 0.001) higher	particularly for lone	
	Longitudinal	PT	living with	with worsening	scores on the GHO and every 1-hour	mothers "	Relies on self-
	Study) a		nartner number	mental health	increase in childcare/homeschooling		report but large
	nationally	May 2020	of children ages	during the	hours per week associated with 0.02		representative
	representative	N = 14.150	of children, pre-	pandemic."	higher scores of GHO (95%CI: 0.006.		survey. Analysed
	survey	(8291 women	pandemic working	panaenner	0.037: n = 0.006). There was no		cross-sectionally
	of >100.000	5859 men)	hours), education.		association among men. Women's		Sample size of
	individuals	61% women and	occupational class		share of these tasks within couples		only those in work
	from 40.000	62% men were			was not associated with GHO in either		and with children
	households.	working FT or			women or men.		is unclear.
		PT.					Response rates
	Analysed by				In May 2020, while working from		were 41% and
	linear				home with children present, in mixed-		40%.
	regression				sex couples, women shared 64% of		
	models.				the housework and 63% of the		
	stratified by				childcare, and were more likely than		
	gender (as per				men to reduce working hours (21% vs.		
	aim). Analysis				11%) or change employment		
	was cross-				schedules (32% vs. 18%). Increased		
	sectional not				housework and childcare/home-		
	longitudinal.				schooling hours were weakly		
					associated with GHQ score among		
					women, with every 1-hour increase in		
					housework hours per week associated		
					with 0.018 (95% Cl: 0.001, 0.034)		

					higher scores on the GHQ.		
					In May 2020, adapting work patters		
					due to childcare/homeschooling was		
					associated with 1.39 (95% CI: 0.403,		
					2.382) higher GHQ scores in women		
					and 1.16 (95% CI: 0.296, 2.015) higher		
					GHQ scores in men. Being the only		
					member of the couple to adapt		
					working pattern to accommodate		
					childcare was associated with 1.82		
					higher GHQ scores (95% CI: 0.669,		
					2.973) in women and 2.48 higher GHQ		
					scores (95% CI: 1.367, 3.601) in men.		
					Lone mothers who adapted work		
					patters to accommodate		
					childcare/homeschooling had on		
					average 3.93 higher GHQ scores (95%		
					Cl: 1.639, 6.223; p = 0.001) than lone		
					mothers who did not adapt work		
					patterns. There was no effect of		
					adapting work patterns on GHQ in		
					couple mothers.		
Yoshimoto	Online survey,	Workers	Pain – assessed	"to investigate	The proportions of those who had	"Our findings suggest	Participants
2021	available 29 <sup>th</sup>	(including PT,	according to how	the impact of	started or increased telework were	that measures, which	recruited from
Japan	July to 19 <sup>th</sup>	temporary and	the COVID-19	the COVID-19	significantly higher in those with pain	consider physical	online panel, via
	August 2020	freelance) aged	restrictions	pandemic on	augmentation than without pain	activities,	email, stratified
	(to coincide	20-64 who had	affected	pain conditions,	augmentation (p < 0.001).	psychological aspects,	by age and sex.
	with the	experienced	participants' pain	physical		and working styles, to	Stratification are
	second wave	pain anywhere	(1-5: worsened	activities,	Starting or increasing telework was	alleviate pain may be	beneficial but
	of COVID-19 in	in their body	considerably,	psychological	significantly associated with pain	required for the	online
	Japan).	over the	worsened	stress, and	augmentation in a logistic regression	working population in	recruitment (and
		previous 4	somewhat, no	working styles	analysis (OR 2.32, 95% CI 1.79 to	the future."	survey) may
	Continuous	weeks	change, improved	among Japanese	3.02), including after adjustment for		introduce
	variables were	(excluding those	somewhat,	workers	confounding factors (adjusted OR		selection bias.
	analysed using	with malignant	improved	suffering from	2.27, 95% CI 1.68 to 3.06).		Sample may not

the Wilcoxon	tumour or	considerably or	pain and to		he representative
rank-sum test	rheumatoid	almost	examine the	The authors explored this association	(e.g. higher
and	arthritis)	disappeared) with	factors	further Among those who started /	nronortion of
categorical	ai chincisj.	mannequin to	associated with	increased telework and did not	males)
variables were	N = 1941	indicate region of	nain	decrease physical activity the	Linvalidated
analysed using	10 - 1341	nain	augmentation"	adjusted OR for pain augmentation	questionnaires
the chi-	20 5% female	pani.	augmentation	was $3.18 (05\% \text{ Cl} 1.88 \text{ to } 5.36)$ but it	used for changes
cauprod tost	29.3% Terriale,	Dhysical activity		Was 5.16 (95% Cl 1.08 to 5.50), but it	in pain, physical
squareu lesi		Physical activity –		was 7.45 (95% CI 4.97 (0 11.18)	in pain, physical
or Fisher's	(IQR 33, 52),	assessed with the		among for starting / increasing	activity and stress.
exact test.	26.8% Started	question now has		telework and decreasing physical	Cross-sectional
Logistical	teleworking or	the COVID-19		activity.	design preciudes
regression	increased their	pandemic			inference about
was	teleworking.	impacted the			causality.
conducted to		amount of			
examine the		exercise/physical			
factors		activity you			
affecting pain		participate in			
augmentation.		(including the			
		time taken to walk			
		when commuting,			
		housework, or			
		care giving), with			
		the self-restriction			
		on going out,			
		changes in			
		working styles, or			
		changes in your			
		family's			
		lifestyles?" 1-5			
		(decreased			
		considerably to			
		increased			
		considerably).			
		Psychological			
		stress – assessed			

using the question		
"how has the		
COVID-19		
pandemic		
impacted your		
stress levels with		
the declared state		
of emergency or		
the self-		
restrictions on		
going out?", 1-5		
(decreased		
considerably to		
increased		
considerably).		
Working from		
home was		
assessed in an		
item on working		
style, where		
response options		
were: "my job		
cannot adopt to a		
telework style",		
"telework has not		
been introduced		
although it is		
possible to work		
remotely in my		
job", "I started		
teleworking		
during the COVID-		
19 pandemic",		
"telework was		
introduced before		
the self- restrictions on going out?", 1-5 (decreased considerably to increased considerably). Working from home was assessed in an item on working style, where response options were: "my job cannot adopt to a telework style", "telework has not been introduced although it is possible to work remotely in my job", "I started teleworking during the COVID- 19 pandemic", "telework was introduced before		

the pandemic and		
the frequency of		
telework has not		
changed"		
"telework was		
introduced before		
the pandemic and		
the frequency of		
telework has		
increased",		
"telework was		
introduced before		
the pandemic and		
the frequency of		
telework has		
decreased", and "I		
am not currently		
working".		

## 3.2. Full extraction tables for grey literature

Bevan	Web page	Homeworkers	Mental health	Impacts of home	75% say their employer has not carried	Significant decline in	No data.
2020	(presentation)		and wellbeing	working	out a health and safety risk assessment of	musculoskeletal health	
UK			measures		their	in 2 weeks.	
	Online survey				homeworking arrangements.	Poor sleep & increased	
	N=500				Mental health is poorer for:	fatigue a concern.	
					Younger workers (MH much better for	Alcohol, diet & exercise	
					over	declining for many.	
					60s); Those looking after elderly relatives	Emotional concerns	
					(but parents are no different to non-	over finance, isolation,	
					parents): Those living with parents or	energy, work-life	
					renting: Those new to homeworking	balance & family health.	

					(compared with those with long	Work motivation	
					experience): Those working more than 10	holding up for most	
					hours longer than contracted hours per	ospocially if in regular	
					wook Those in loss frequent contact with	contact with boss	
					their has	contact with boss.	
					their boss.		
					20% say alcohol consumption has		
					increased		
					60% worry they are taking less exercise		
					33% eating less healthily in lockdown		
					48% working long & irregular hours		
					26% have continued working despite		
					illness in last 2 weeks		
					36% feel under too much work pressure		
					43% don't have enough time to get their		
					work done		
Chung	Online report	UK employees	Outcomes	"Understanding	Positive aspects of working from home	Findings indicate serious	Survey
2020	Survey	. ,	linked to (but	how the COVID	during the COVID-19 lockdown included	concerns for the	percentages
UK	/	86% worked	not always	19 pandemic.	the ability to: take care of children. do	wellbeing of parents.	only reported.
-		from home	stated as)	the lockdown	housework and spend more time with	who are particularly	- ,
		(increased	wellbeing	and widespread	their partners	stressed as a result of	
		from 11% prior		working from	2/3 of non-parents and 52% of parents	lockdown Mothers in	
		to lock down)		home has	said it is (very) likely that they will	particular struggled to	
		to lock downj.		influenced a	continue to work from home after	secure time/space to	
		N-1160		range of work	COVID 10, 76% of mothors and 72% of	work	
		N-1100		life issues"	fathers agreed (strengly agreed that they	WOIK.	
		C10 meeth and		life issues .	Tather's agreed/strongly agreed that they		
		648 mothers,			time with shildren		
		236 fathers,			time with children.	Increasing fathers	
		199 women				access to flexible	
		and /8 men			Negative aspects included:	working may help	
		who did not			2/3 of employees identified the blurred	couples to share more	
		live			boundaries between work/home.	housework/care	
		with a child			Missing interactions with colleagues –	responsibilities,	
		under 18.			especially for women without children.	and managers and the	
						government will likely	
					Increased workload and conflict between	be under pressure in the	

				work and family has negatively impacted parents' mental well-being, especially for mothers. Almost half of all mothers felt rushed and pressed for time, more than half of the time during the lockdown. In addition, 46% of mothers felt nervous and stressed more than half of the time. Less than of all parents said they woke up feeling fresh and well rested.	future to find ways to support fathers to work flexibly and take a more active role in caring and unpaid work in the home.	
CIPD 2021 Webpage and UK Interviews with 32 senior managers and directors. Online survey with a total sample size of 2,133 senior decision-makers in UK organisations, conducted by YouGov	Working population	Wellbeing	Evaluate strategies which teams and their managers can use to make a success of hybrid working.	<ul> <li>Employers reported the key benefits and challenges of homeworking as follows:</li> <li>Benefits <ul> <li>The most frequently mentioned benefit was increased wellbeing through avoiding the commute (46% of survey participants), followed by enhanced wellbeing because of greater flexibility of hours (39%).</li> <li>Although collaboration is often mentioned as a challenge of homeworking, survey participants reckoned that both creating new ways to collaborate with IT tools, and IT upskilling, were benefits of homeworking, at 34% and 23% respectively.</li> <li>A reduction in distractions also featured (33%), although given that lockdown enforced homeworking regardless of home circumstances, some employees were dealing with increased distractions.</li> <li>Normalising the use of technology could help inclusion for those with a disability or</li> </ul> </li> </ul>	This report identifies seven strategies which teams and their managers can use to improve wellbeing and make a success of hybrid working: 1 Develop the skills and culture needed for open conversations about wellbeing. 2 Encourage boundary- setting and routines to improve wellbeing and prevent overwork. 3 Ensure effective co- ordination of tasks and task-related communication. 4 Pay special attention to creativity, brainstorming and problem-solving tasks. 5 Build in time, including face to face	

		and for those working in distributed	time, for team cohesion	
		teams.	and organisational	
		<ul> <li>Finally, homeworking enabled people</li> </ul>	belonging.	
		to get to know their colleagues better as	6 Facilitate networking	
		individuals, learning more about their	and inter-team	
		non-work life.	relationships.	
		Challenges	7 Organise a wider	
		1 Reduced mental wellbeing of staff due	support network to	
		to isolation was cited as a challenge by	compensate for the	
		44% of	loss of informal learning	
		survey respondents.	_	
		2 Hygiene factors are those which, in a		
		voluntary homeworking situation, would		
		be		
		dealt with in advance, or might preclude		
		homeworking altogether: the		
		unsuitability of certain jobs (36%);		
		unsuitable home circumstances (31%);		
		insufficient technology (15%); outdated		
		technology (15%); and lack of staff		
		proficiency with technology (14%).		
		3 Among work-related factors were:		
		difficulty with staff interaction and co-		
		operation (26%); lack of staff		
		engagement (19%); line manager		
		capability to manage homeworkers		
		(19%); and line manager capability to		
		monitor staff performance (18%).		
		In all, 44% of survey participants cited		
		reduced mental wellbeing due to		
		isolation as a challenge to their		
		organisation during the pandemic. Both		
		HR and operational managers reported		
		an increased focus on managing staff		
		wellbeing – not only because of		

					have a working but has a was of the		
					nomeworking, but because of the		
					broader social isolation imposed by the		
					pandemic, combined with increased		
					health anxiety and the difficulty of home-		
					schooling during school closures		
					Enhanced employee wellbeing through		
					flexibility of hours: The second highest		
					benefit (39% of survey participants) was		
					enhanced employee wellbeing		
					because of greater flexibility of hours,		
					meaning that six out of ten (61%) survey		
					participants did not regard flexibility of		
					hours as a benefit of homeworking. This		
					presents a complex picture, depending		
					on both work and non-work factors.		
					Some types of work, when done at home.		
					allowed greater flexibility of hours.		
					particularly informally, but for others, the		
					same constraints on hours applied as		
					when working in the workplace. Some		
					people found it harder to set boundaries		
					around taking breaks or stopping work in		
					the evening Some simply preferred a		
					traditional routine of nine to five and		
					some undoubtedly found that work and		
					family clashed when homeworking		
Deloitte	Wohnago and	Nationally	Wallbaing	The impact of	Initial curvey (2020): 28% of workers cay	Nono giyon	Infographic
2020/21	webpage and	roprocontativo	weinbeing		lockdown bad a nogative impact on their	None given.	
2020/21	inographic				Nockdown had a negative impact on their		link to full data
UK	Outine even	quota sample		productivity and	Weilbeing.		link to full data
	Online survey	OT 2,213 UK		weilbeing	After lockdown, 61% of desk based		or report.
	(IVIORI)	adults, filtered			workers would prefer to work at home		
		to a sample of			more often.		
	Data has been	1,321 workers					
	weighted to the	aged 16-75.			Update (2021): Almost half (46%) would		
	known offline				share their personal health data with		
	population	Sample			their employers in order to improve their		

	proportions for	reduced to			wellbeing at work.		
	age within	1200 in 2021.					
	gender,				52% thought that wellbeing has become		
	employment				more of a priority for their employer		
	status and social				since lockdown.		
	grade as well as						
	government				7.5 million (extrapolated estimate?)		
	office region				workers are keen to permanently work		
					from home every day of the week.		
Felstead	Report	UK workers	Wellbeing	Evaluate the	Homeworking was on a gradual, but slow,	The switch to working at	Not peer
2020			(mental health	mental health	upward trajectory even before the	home has taken its toll	reviewed.
	3 online survey		impact of	impacts of	lockdown (1.5% in 1981 to 4.7% by 2019).	on the mental health of	
	(April, May, June		working from	working at home	Lockdown increased this to 43.1% in April	those reporting	
	2020)		home.	during Covid-19	2020.	that they always or	
				lockdown.		often worked at home	
	GHQ-12				37.3% and 36.4% of those working always	during lockdown.	
	wellbeing				or often at home in June 2020 – the third	However, the negative	
	questions				month of lockdown in the UK – reported	effect of the change in	
					that they were able to concentrate less or	work location subsided	
					much less than usual compared to 23.3%	as workers became	
					of those who reported that they had not	more accustomed to	
					worked at home at all. Similarly, those	working at home or	
					who worked mainly at home – always or	moved back to	
					often – reported greater difficulties in	traditional places of	
					enjoying normal day-to-day activities	work as restrictions	
					compared to those not working at home,	were gradually eased.	
					(48.2/49.3% vs. 38.5%) and more often		
					felt constantly being under strain and		
					unhappy with life (36.0/33.9 vs. 31.2).		
					Similarly, new home-centred workers		
					reported finding it more difficult to		
					concentrate, enjoy		
					normal daily activities than other		
					categories of worker. They also more		
					frequently felt		
					constantly under strain and unhappy.		

					Furthermore, out of the 12 indicators of mental health new home-centred workers reported poorer mental health than established factory/office-centred workers on all counts in all three months of the lockdown.		
					Nine out of ten (88.2%) of employees		
					who worked at home during the		
					lockdown would like to continue working		
					at home in some capacity with around		
					one in two employees (47.3%) wanting to		
					Furthermore, employees with little		
					previous experience of homeworking had		
					not been put off by the experience of		
					working at home – half (50.0%) of new		
					homeworkers would like to work at home		
					often or always even when Covid-19		
					restrictions permit a return to 'normal'		
					working. This suggests that a key		
					characteristic of the new normal will be		
					much higher levels of homeworking than		
					in the past.		
KCL 2021	Report	Large	Wellbeing	Investigated the	One year on from the start of lockdown	Support wellbeing:	No primary
UK		employers, UK.		impact of the	restrictions organisations are looking to	Be as clear as possible	data available
	Online survey:	Focus on		pandemic on	the future: 78% are adapting their future	about the future vision	(% only).
	254 large	parents and		employees,	strategy as a result of the pandemic.	to help manage	
	employers.	carers.		especially	90% support an increase in support for	uncertainty, anxiety and	
				parents and	home working and 97% are planning to	speculation. Even if you	
	Qualitative data			carers: how the	adopt hybrid working. However, there is	are not able to share	
	interviews with			situation has	a danger of Take-flex where the focus is	there is concerned on the	
	HR and Internal			evolved and	flovible working, ratner than on	have a positive impact	
				Tuture ways of	release for	nave a positive impact	
	Communications	1	1	working.	10163101	on morale.	

leaders	hybrid working as only 36% re planning to	Balance positivity with
	redesign job roles to better suit remote	empathy to
	or hybrid working.	acknowledge the
		impact and influence of
	Organisations who reported improved	the experience of the
	morale compared to this time six months	pandemic for many so
	ago are less likely to be anticipating	that efforts to turn
	restructure or redundancy than	adversity into
	organisations where morale is the same	opportunity do not feel
	or worse. They are also considerably	tone deaf.
	more	Keep listening and
	positive about the support provided,	responding through
	particularly for parents and carers. This	formal and informal
	suggests that offering such support can	channels to involve
	contribute towards improved morale	employees in problem
	overall.	solving, create a sense
		of connection and
	Returning to the office is a source of	course
	anxiety for many and the mental state	correct where
	of employees needs to be considered,	necessary.
	especially for parents and carers. A	Re-think the approach
	Trades Union Congress (TUC) survey of	to wellbeing so that
	52,000 working mothers published earlier	initiatives and resources
	this month revealed that nine in ten had	are underpinned by a
	experienced higher levels of anxiety and	strategic and cultural
	stress during this latest lockdown. This	focus on supporting
	research found that perceptions of	employee wellbeing.
	mental health support are weaker in	Burnout, exhaustion
	organisations where there has not been	and mental health
	an increase in support for different types	challenges have been
	of working. This suggests a	intensified by the
	disproportionately negative impact on	pandemic and the
	parents and carers. For example,	experiences need to be
	organisations who have put plans in place	well-understood and
	to support mental health and wellbeing	addressed.
	as part of the transition back to the office	Be clear and consistent

					are 32 points more likely to think that the	with communication.	
					support for parents and carers has	Make sure to update	
					increased during the pandemic.	employees as soon and	
					Webinars, workshops and courses are the	as often as possible on	
					most commonly quoted forms of	plans in order to	
					wellbeing support	minimise speculation	
					weinenig support.	and uncertainty	
Kotera	Web nage	Working	New ways of	Report the	NWW can help work engagement flow	Many workers in	Discussion
2020	1100 0000	nonulation	working –	nositive and	and connectivity among staff it can also	general enjoy working	piece but data
2020	Oninion niece	(not well	including	negative impacts	increase blurred work-home boundaries	from home and find it	from original
	opinion piece	defined)	working from	of working from	fatigue and mental demands. For the	helpful However the	review
		uenneu	home	home	many workers who are or were working	negative impacts	i cuicw.
			nome.	nome.	from home these positive and negative	identified need to be	
			New ways of		impacts may be easy to understand	addressed. It may be	
			working is		There is no commuting (i.e. frustrating	useful to think about	
			characterised		traffic jams) no meeting room moving	how to deal with the	
			by work time		no coffee room chat etc	how to deal with the	
			and space			fatigue and increased	
			flovibility using		More attention people to be paid to the	montal domands	
			information and		nogative impacts of blurred work home	mental demands.	
			communication		houndarios fatiguo and increased montal		
			tochnologios		domands. Some workers don't feel a		
			and clearly		conce of (on and off) and compatimes feel		
			difficiency		sense of off and off, and sometimes reel		
					always on , which of course is associated		
			NVV VV SEEKS to		with stress. Related to this, being able to		
			respond to		Tocus more on each task allows you to		
			diversified		engage with more tasks (increased		
			needs of		mental demands), leading to fatigue.		
			employees as				
			nappier		200m fatigue' is a new term coined		
			employees		auring this pandemic, referring to mental		
			perform better		tireaness coming from online meetings.		
			and stay in an		While many workers have experienced		
			organisation		the positives, they also encountered		
			longer.		difficulties with working from home.		
					Organisations and employers/managers		

					need to protect their staff from these		
					negative impacts of this way of working.		
					Ways in which employers can help to		
					protect employees could include:		
					Holding a casual short meeting to focus		
					on staff members' wellbeing at the		
					beginning and/or towards the end of a		
					day. Encouraging workers to take a walk		
					to switch their brain to on and off. Having		
					a daily routine with these types of		
					activities included may help workers to		
					feel that the boundary between work and		
					life is maintained		
					Fatigue and increased mental demands		
					may be mitigated by setting a timer for		
					you to take a short break. As mentioned		
					arlier you could go on without a break		
					however in order to have a good level of		
					concentration for a long time, a short		
					brook would be offective		
					If you have a high table, you can work		
					Il you have a nightable, you can work		
					while standing. Sitting all day can exhaust		
					your brain, and the negative health		
					effects (both physical and mental) have		
					been reported. Changing the scenery is		
					also helpful. How you deal with those		
					negative impacts of working from home		
					needs to be well-thought out.		-
Parry	Report	Employees	Wellbeing	Report on	Many respondents reported experiencing	Reliance on individuals	Much of report
2021		working		impact of	worse symptoms of musculoskeletal pain,	'coping' is not a	presented as
UK	Analysis of the	from home in		working from	higher levels of fatigue, poor sleep, and	sustainable strategy to	text summaries
	national dataset	jobs that were		home during	higher levels of eye strain in the two	maintain productivity.	without
	Understanding	more office-		transition out of	weeks prior to the survey than	Well-being - physical,	supporting
	Society COVID-19	based		Covid-19	previously.	mental and emotional	data.

	Survey.	prior to the		lockdown	Only 40% of respondents said that their	health - should be	
	1 035 survey	nandemic			employer had conducted a health and	nrioritised	
	responses of	punuenne.			safety assessment while they had been	for organisational	
	online worker	Two industry			working from home	stahility and	
	well being				Using the World Health Organisation –	norformanco	
	weil-beilig	sectors:			Five Wellbeing Index (WUO E) to	Markers have proved	
	Survey;	Professional,			Five weilbeing index (WHO-5) to	they are highly	
	38 in-depth	Scientific &			measure weil-being, on average,	they are highly	
	interviews with	Technical (PST)			respondents scored 47 out of 100,	adaptable in these	
	leaders,	and			relatively low compared to previous UK	unusual times.	
	managers, and	Public			and Europe-wide surveys,	Employer focus is now	
	colleagues.	Administration				needed on well-being to	
		& Defence			Key determinants of better mental health	support people and	
		(PAD).			using the WHO-5 measure are:	sustain performance.	
					Fewer physical health symptoms		
					Working to contracted hours	Strong workforce	
					More frequent contact with their	demand for hybrid	
					manager	working requires	
					higher levels of satisfaction with work-life	employers to re-engage	
					balance.	with flexible working	
					Those self-identifying as extroverts	and consider how to	
						design jobs and	
					Finding that extrovert personality types	workspaces for the	
					had coped better than introverts seems	future.	
					counter-intuitive, but lower mental well-		
					being scores for introverts may be		
					because of the demands upon them to		
					communicate frequently and 'perform'		
					intensively via video while working from		
					home under the first lockdown		
PWC 2020	Web report	875 workers in	Wellbeing	Provide insights	69% of respondents described their	Employers must be	Percentages
Malta		Malta		on the remote	remote working experience as a positive	well-aware of their legal	only reported
iviaita		iviaita.		working		and regulatory	only reported.
		Participants		evnerience		ohligations as well	
		ranged from		(Covid-10)	The largest percentage of those who	as factors impacting the	
		angeu ironi		(COVID-19)	viewed the experience positively were	wollboing of their	
					these who lived close and are 24.25		
	1	sectors, roles			those who lived alone and age 24-35.	workforce in the	

		and age groups				new working	
		with 88% of			Employee wellbeing should be a priority	anvironment	
		rospondents			on an organisation's agonda no matter	environment.	
		stating that			the working practices implemented		
		stating that			the working practices implemented.		
		they			However, it is even more important when		
		were			employees are working remotely as it		
		employed on a			may be more difficult to pick up on signs		
		full-time			that an employee is struggling.		
		basis.			Respondents stated that the two most		
					likely factors that will impact their mental		
		Age 18+ (mean			health if they were to continue working		
		36-45)			remotely would be lack of social		
					interactions and feeling detached from		
					the office. In fact, feeling lonely was		
					amongst the top challenges		
					experienced in this new way of working.		
RSPH	Webpage	"People who	Health and	Report on the	Overall, more people felt working from	Recommendations:	Limited
2021	1 0	made the	wellbeing.	mental and	home was better for their health and	Employers to ensure	summary, no
UK		move to home		physical health	wellbeing (45%), compared to around	that all employees have	link to data.
-		working as a		impacts of home	one third (29%) who thought working	access to mental health	
		result of Covid-		working during	from home was worse for their health	support to help them to	
		19"		Covid-19	and wellbeing	cope with increased	
				00110 151	However, people who switched to	isolation and anxiety	
					working from home as a result of Covid-	All employees to have	
					10 had experienced health and wellbeing	access to equipment	
					impacts with the most common being	access to equipment	
					facting loss connected to colleagues		
					(C70() taking loss evention (400()	there with their physical	
					(67%), taking less exercise (46%),	them with their physical	
					developing musculoskeletal problems	nealth.	
					(39%) and disturbed sleep (37%).	Organisations to	
					Over one in four (26%) are working from	develop a culture that	
					home from either a sofa or a bedroom.	encourages employees	
					Nearly half (48%) of people who work	to separate their work	
					from a sofa or bedroom said they had	and home life when	
					developed musculoskeletal problems and	working from home,	
					nearly two thirds (59%) said they felt	including encouraging	

					more isolated from their colleagues.	employees to block	
					Women were more likely than men to	their work	
					feel isolated (58% of women V 39% of	communications outside	
					men) and develop musculoskeletal	of work hours.	
					problems (44% of women V 29% of men)		
					as a result of working from home.		
					Home working is having an impact on		
					people's mental health, with 67% saying		
					they felt less connected to their		
					colleagues and 56% saying they found it		
					harder to switch off. However only a third		
					of respondents had been offered support		
					with their mental health (34%) from their		
					employer.		
					People who live with multiple		
					housemates were more likely to think		
					that working from home was worse for		
					their health and wellbeing (41%),		
					compared to people who live on their		
					own (29%) or with just their partner		
					(24%)		
					The findings of the survey also showed		
					that the vast majority of people didn't		
					want to go back to working in an office		
					full time, with nearly three quarters of		
					people (74%) saying that they wanted to		
					split their time between home working		
					and working in an office. However, the		
					health and wellbeing issues which are		
					affecting home workers and the fact that		
					some groups of people are impacted		
					more severely than others needs to be		
					addressed by employers.		
University	Webpage	University	Wellbeing	Describe factors	38% of home-workers felt anxious most	The pandemic has	Peer review
of Exeter		employees		affecting	or all of the time while death levels went	contributed to short	article pending.
2020	Survey (weekly)	working from		wellbeing	up during the early stages of the first	term fluctuations in the	

home (n=85)	COVID-19 lockdown, with 8% saying they wellbeing	of employees
	felt depressed. working a	t home, but
	the factor	s that affect
	The handling of the pandemic by all jobs, the pandemic by	ne extent of
	government and employers was found to job discre	tion, potential
	make those working from home more loneliness	of working
	anxious and less enthusiastic about their alone, and	d job insecurity
	jobs, and job insecurity, as a result of the remain in	portant and is
	economic impact of lockdown, also had a likely to re	emain so after
	negative impact on wellbeing. the pande	emic."
	But the loneliness of working in a home	
	environment and increased demands to	
	juggle work and domestic responsibilities	
	also caused a decline in employee	
	wellbeing, the study found.	
	<i>u, ,</i>	
	Nearly one in five (17%) remote-workers	
	reported feeling lonely, while around a	
	quarter (25.9%) said that the competing	
	demands of work and domestic duties	
	(including childcare) had taken their toll.	
	Other aspects of remote-working that	
	contributed to a lower standard of	
	wellbeing included increased job	
	insecurity, the unpredictability of future	
	workloads, new ways of working and a	
	lack of support from employers.	
	These factors not only impact on	
	wellbeing but also hamper employees'	
	ability to make decisions and concentrate	
	– 15% said they found it hard to make	
	many decisions on their own and 21%	
	could not decide how to go about doing	

		their work.	