Precarious work in healthcare: a respondent driven sampling study of 634 personal support workers during the COVID-19 pandemic

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<u>Abstract</u>

Background: The COVID-19 pandemic has shone a spotlight on the role of personal support workers in health care, as well as their work conditions. In the largest representative study to date, we investigated the work conditions and health of personal support workers with a focus on areas amenable to policy change.

Methods: Our community-based participatory action research study focused on personal support workers in Toronto and surrounding area. A cross-sectional survey was conducted from June-December 2020 using respondent driven sampling. We collected data on sociodemographics, employment precarity, worker empowerment and health status. The association between work precarity level and health was assessed using multivariate logistic regression models.

Results: We surveyed 634 personal support workers who were predominantly racialized (96.4%), women (90.1%) and foreign-born (97.4%). Most worked in home care (49.3%) and long-term care (34.5%). Although over 80% had at least some post-secondary education, over half lived below the poverty line. The majority of participants (86.5%) were in precarious employment, and most lacked paid sick days (89.5%) or extended health benefits (74.1%). Only half of the participants described their general health as very good or excellent. Employment precarity was significantly associated with higher risk of depression.

Interpretation: Despite being key members of healthcare teams, personal support workers experience poor employment conditions with low wages that keep the majority in poverty. Improving conditions, including providing paid sick days, would improve the health of these workers, improve continuity and quality of care, and reduce the risk of disease transmission in homes and health institutions.

Keywords: social determinants of health, employment, work conditions, health equity, personal support worker, healthcare aide, homecare

Introduction

 Jobs in healthcare have traditionally been secure.(1) Over the past 30 years, disparities in pay and work conditions have grown between professionals (e.g. physicians, nurses) and staff who are not unionized, part-time, temporary and on contract (e.g. housekeeping, clerical, security). One particularly disadvantaged group are personal support workers (PSWs), also called healthcare aides, patient care assistants, home support workers or home care attendants.(2,3) PSWs support older individuals and people with disabilities with their activities of daily living in their own home or in institutions.(4) Aging populations and a move to discharging people quickly from acute care to the community have driven up the demand for PSW services who now represent a large proportion of all health workers.(5–8)

The COVID-19 pandemic has highlighted the crucial role of PSWs in health systems, as they cared for older adults in congregate settings, where the worst outbreaks and highest number of deaths occurred. Although data is limited, among health workers, PSWs were among the most likely to be infected and die from COVID-19.(9,10) Few in-depth and comprehensive studies have been conducted on the work conditions and health of PSWs, who, given the nature of their work, are hard to reach. In this study we used respondent driven sampling (RDS) to examine the work conditions, job security and health of PSWs, to identify key aspects of their employment conditions that could be improved through policy change, and to characterize the association between precarious work and the health outcomes of PSWs.

Methods

Setting and approach

This study engaged PSWs working in Greater Toronto Area (GTA), the largest metropolitan area in Canada, with a combined population of 5.9 million.(11) No estimates exist of the total number of PSWs in Toronto, but it is estimated that 90,000-100,000 PSWs work in the province of Ontario (population 14.5 million).(4,12) PSWs work for both public and private employers, typically as casual, non-permanent employees with wages ranging from the provincial minimum wage of CA\$14.25/hour to a maximum of CA\$19.00/hour.(13) Those working in home care typically received lower pay than those working in long-term care or in hospitals.(14) PSWs are considered non-professionals who are not formally regulated by statutory bodies.(6)

We followed the principles of community-based participatory action research and engaged PSW partners in all aspects of the project and employed a shared decision-making model throughout planning processes.(15) We formed an advisory committee consisting of eight PSWs who met regularly from March 2020 to May 2021. Advisors shared their experiences to inform the study design, survey development, pilot testing, identification of seeds, estimation of network size, and interpretation of the data. Advisors also presented preliminary results to community organizations. Concurrently, advisors also received training on their employment rights, research methods and advocacy engagement. A modest honorarium was provided to compensate advisors for their time.

Recruitment and data collection

A cross-sectional survey was conducted from June to December 2020 using RDS, a networkbased sampling method that begins with a small convenience sample (known as "seeds") and incentivizes respondents to participate in the survey and also to refer their peers.(16) Similar to snowball sampling, the RDS design allows for data collection from hard-to-reach populations, such as PSWs who do not have a single workplace, have no regulatory body or central registry, and have limited availability given work and family obligations. The advantage of RDS is its ability to produce asymptotically unbiased estimates of population parameters by accounting for the respondent's network size and their recruitment pattern.(16)

We identified seeds that would reflect the diversity of PSW population in Toronto in terms of gender, age, race, and work setting (<u>Supplement 1</u>). Seeds were recruited through recommendations from the Advisory Committee, through emails distributed by partner organizations, and through online advertisements on social media and job search platforms (<u>Supplement 2</u>). Initially 10 seeds were selected, and later another 14 seeds were added to increase recruitment. There was no explicit time limit for recruitment, but participants were informed that data collection would be completed by December 2020.

Participants were 18 years of age or older and had worked as a PSW in the Toronto area within the past year. We included participants who were unemployed at the time of the survey to reduce selection bias, as PSWs are frequently between jobs due to employment precarity, job stress or injuries. Full name, phone number and email address were used to prevent an individual from participating more than once. Participants received a CA\$20 honorarium for completing the survey and were asked to recruit up to three peers for an additional honorarium of CA\$10 per successful referral. To track the recruitment chains, PSWs interested in participating in the survey must provide the full names of their referees. Unique codes were also assigned to the eligible participants. Public health restrictions prevented in-person meetings during the COVID-19 pandemic. All communications occurred through phone or email. Most participants were able to complete the survey independently online (Qualtrics, Provo, Utah, USA).(17) A small number of participants without reliable access to the internet had the survey administered over the phone.

A target sample size of 600 was estimated based on the ability to estimate a proportion of the population with a characteristic (i.e., poor quality of life) to within 5%, with 95% confidence and an RDS design effect of 1.5. Additionally, we asked advisory committee members "How many friends do you know who work as PSW in the Greater Toronto Area, whom you have communicated with regularly in the past year (in-person/online/by texts)?" and estimated an average network size of 15 to 25 PSW peers in the Toronto area. The same question was asked to the survey participants to obtain their network size. Reporting of our findings was guided by the STROBE-RDS reporting guideline.(18) This study was approved by the St. Michael's Hospital Research Ethics Board (#18-103), Toronto, Canada.

Variables

We collected data on sociodemographics, employment precarity, worker empowerment and health status using instruments validated previously in the Canadian population (<u>Supplement 3</u>). Sociodemographics included age, gender identity, racial background, birth location, level of education, current student status, and housing status. Low-income status was inferred using the 2018 Canadian low-income cut-off (LICO) for urban areas that considers household size.(19)

We also collected information about receipt of financial assistance received from government sources and included five items from the Income Stress Index.(20) This scale asked how their employment insecurity affects large spending decisions, how they keep up with bills and debts, their concerns about maintaining their current standard of living and if they recently experienced income reductions.(20)

Precarious employment was evaluated using the Employment Precarity Index, which contains 12 questions around employment types (e.g. casual, part-time, or full-time), income and job stability, work schedule, paid sick days, benefits, and fear of reprisal for raising labour concerns with employer.(21) Worker empowerment was assessed with a 5-item subscale from the OHS Vulnerability Measure.(22) Additional questions on labour experience included current employment status, membership in a union, workplace discrimination, work-related injuries, and if they reported the injuries to the Workplace Safety and Insurance Board (WSIB), a publicly funded organization that provides compensation to workers for work-related injury or illness.

Health-related variables included risk of depression, specifically depressed mood and anhedonia, measured by the PHQ-2 (23), and questions about perception of general health (categorized into "Poor – Good") and life satisfaction (categorized into "Satisfied" and "Dissatisfied") from the Canadian Community Health Survey.(24) Other health-related questions asked about the amount of stress in participant's lives and at work, as well as the perceived impact of their employment on their mental health.

Data analysis

Item-specific missing data for each variable was less than 8%, and we used available case analysis. Proportion estimates with a 95% confidence interval (CI) for all variables were calculated using the RDS package (version 0.9.2) in R statistical software (version 4.0.2) with RDS-II weights. Number of years as a PSW, number of paid sick days, number of paid hours per week and number of missed workdays due to work-related sickness or injury were the only continuous/numerical variables collected in the survey and were categorized to facilitate RDS point and interval estimations.

The association between work precarity level and health outcomes was assessed using multivariate logistic regression models. Perceived general health and risk of depression as measured by PHQ-2 served as the main outcome variables in the first and second model, respectively. Age, gender, education level, low-income status, and work setting were controlled in both models. A post-hoc decision was made to revert the precarity index back into a numerical variable (range: 0-100), as most participants were found to be precariously employed. Odds ratio >1 was interpreted as poorer reported general health (model 1) or higher risk of depression (model 2). Unweighted models were chosen to minimize risk of bias and Type I error that have been shown in RDS-weighted regression models.(25)

<u>Results</u>

A total of 658 participants were enrolled, and 634 participants were included in the RDS analysis after removing the seeds (n=24). The RDS recruitment network and waves propagating from

each seed are presented in <u>Supplement 4</u>. Participant demographics are described in <u>Table 1</u>. The survey respondents were predominantly racialized (96.4%), women (90.1%) and immigrants (97.4% foreign-born). Most participants identified as Black (76.5%) and approximately two-thirds of the participants were between the age of 30 and 49 years old. Over 80% of respondents had at least some post-secondary education and about 21.1% were enrolled as a student at the time of the survey. Using the 2018 Canadian LICO, slightly over half (55.1%) of the participants were renting a home, and close to 7% were staying with family or friends.

Different elements of the respondents' labour experience are presented in <u>Table 2</u>. On average, the participants had worked as a PSW for 4.4 years (SD: 4.9 years). At the time of the survey, 11% were unemployed and 5.3% were not working as a PSW. Within the past year, about two-thirds (65.3%) were employed in non-permanent contract positions and about half (49.3%) did not work full-time hours (i.e., at least 30 hours per week). Over half (53.8%) did not belong to a labour union. Participants worked in various settings, with the most common being home care in the community (43.9%) and long-term care (34.5%).

Most participants did not have paid sick days (89.5%), access to a retirement plan (67.2%) or receive extended benefits (74.1%) from their employer. Only two-thirds (68.1%) of the participants were informed of their shifts at least one week in advance. More than half (56.5%) also reported that their employment would likely be negatively affected (e.g., laid off, given less hours) if they raised a health and safety concern or a concern about their rights. Using the Employment Precarity Index, close to 90% of respondents were precariously employed (Figure 1 and Supplement 5).

A quarter of participants reported sickness or injury in the past year due to their work as a PSW. Among those, only 18.8% filed a claim to the Workplace Safety Insurance Board (WSIB). Because of sickness or injury, about half (53.8%) had to miss more than five days of work (<u>Table 2</u>). The OHS Work Vulnerability Measure classified close to 90% of the participants as having inadequate support at work to participate in safety and injury prevention (<u>Table 2</u> and <u>Supplement 6</u>). Approximately 35.4% (95% Confidence Interval (CI): 27.8%-43.0%) of the participants experienced some form of discrimination, and most attributed it to their race or ethnicity (21.4%) (<u>Table 2</u>).

The Income Stress Index (<u>Table 3</u>) demonstrated how participants struggled financially. About 80% reported that concerns about their employment situation negatively affected large spending decisions, such as being afraid to make large purchases or spend money on children's activities. Compared to last year, about 40% reported lower personal income and 14% had some trouble keeping up with their bills and other financial commitments. Thinking about the future, many described concerns about their ability to meet their debt obligations (73.9%) and maintaining their current standard of living (67.1%).

<u>Table 4</u> describes health outcomes of the participants. Only about half (53.3%) of the participants described their general health as very good or excellent, and more than a quarter (28.2%) expressed dissatisfaction with their lives. Regarding mental health, around 27% of participants found most days to be quite a bit to extremely stressful. Over 15% found their work often

negatively affected their mental health and 10.1% were often angry because of their work. Using the PHQ-2 scale, 21% were likely to have some form of depressive disorders (<u>Supplement 7</u>). Work also often impacted the participants' relationships with their family and friends (28.8%) and nearly one third (28.0%) of participants identified a weak sense of belonging to the community.

Using regression models, we found that increasing work precarity was significantly associated with higher risk of depression, but not with perceived general health (<u>Table 5</u>). Specifically, for every unit increase in the precarity score, the odds of exhibiting risk for depression increases by 2% (Odds Ratio (OR):1.02; 95% CI:1.01-1.03). Older PSWs (i.e., 50 years and older) were also more likely to report poor general health (OR:2.78; 95% CI:1.41-5.60), while being male was mildly associated with better general health compared to being female (OR:0.56; 95% CI:0.31-1.00). Lastly, PSWs working in homecare in the community were less likely to show risk of depression compared to those working in other, non-long-term care settings (OR:0.63; 95% CI:0.35-1.18), although the association was mild (i.e., p < 0.1).

Discussion

In the largest representative study to date, we investigated the work conditions and health of PSWs using RDS to engage this hard-to-reach population. We found substantial evidence of precarious and dangerous work conditions. Compared to the general population in Ontario (28.5%) (20), 86.5% of PSWs in the survey were precariously employed. About 53% of the PSW participants perceived their health to be very good or excellent, which is lower than the overall proportion for Canadians (61.2%).(26) While over 90% of Canadians were satisfied or very satisfied with their lives, only 72% of the PSW participants reported similar levels of satisfaction.(27) Over 20% of the PSWs were likely to be depressed, significantly exceeding the prevalence of major depressive episodes among Canadians (5.4%-11.7%).(28)

Strengths of our study include the use of RDS, the engagement of PSWs in developing and testing our questions, and the collection of data during the COVID-19 pandemic, when work conditions have been a particularly important factor in the spread of infection.(10) Limitations include the focus on PSWs living in and around the GTA, which may reduce generalizability to other jurisdictions.

Our findings fit with existing research (13) that found PSWs typically have the lowest pay and greatest precarity in the health sector.(5,6,14,29–31) Not coincidentally, PSWs tend to be female, racialized and more likely to be immigrants.(32) Similar to Neysmith et al., we found a lack of formal supports to address workplace safety and security concerns, such as protection from labour unions, as well as high level of racial discrimination in the workplace.(33) Poor work conditions have a negative impact on the health of PSWs, including exposure to injury, communicable diseases, violence, time pressure and mental stress.(34–39) Unmanageable workload, burnout, and job stress has also been repeatedly shown to result in poor quality of care among healthcare workers.(38,40,41)

This study makes a novel contribution to research on work conditions in the health sector. Given recent calls for deinstitutionalizing care, or providing more care in the home and community (42), the shift towards relying on low-wage earners with unstable work is a troubling trend.(43) Policy solutions include mandating a minimum number of paid sick days, raising wages to reduce poverty, providing incentives to employers to provide more full-time positions, enforcing existing labour laws that protect PSWs from reprisals if they raise concerns about health and safety, and developing an independent system to track and address racial discrimination. With these changes, not only would the health of PSWs improve, the quality of care that patients receive would improve and the risk from infectious diseases would be reduced.

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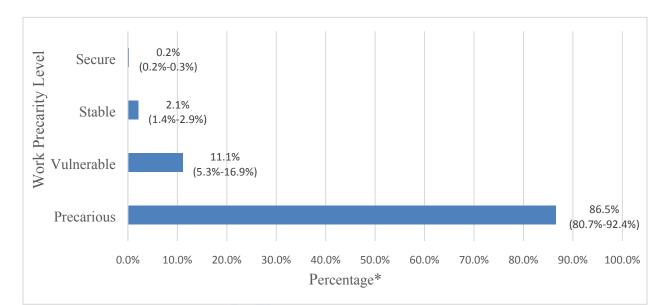
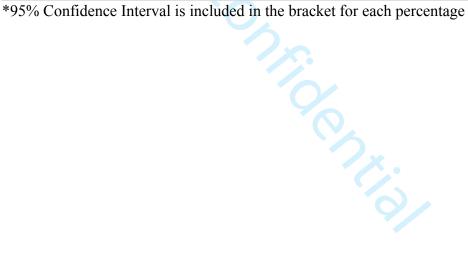


Figure 1. Work precarity level based on the Employment Precarity Index



RDS-II

Adjusted 95% CI^b

4.7 - 16.1

23.8 - 40.3

30.6 - 46.1

10.6 - 27.7

85.1 - 95.1

4.6 - 14.5

0.0 - 0.8

68.2 - 84.9

1.4 - 5.9

0.1 - 3.0 5.6 - 15.4

0.0 - 9.0

0.0 - 9.3

94.9 - 99.9

0.1 - 5.1

0.0 - 7.2

0.0 - 2.7

4.4 - 13.1 32.3 - 50.0

39.0 - 55.9

72.4 - 85.5 14.5 - 27.6

Age category $l8-29$ 52 8.2 10.4 $30-39$ 174 27.4 32.1 $40-49$ 247 39.0 38.3 $50+$ 115 18.1 19.2 Missing 46 7.3 7.3 Gender identity Female 528 83.3 90.1 Male 57 9.0 9.6 Other 3 0.5 0.3 Missing 46 7.3 7.3 Racial background Black 425 67.0 76.5 East Asian 32 5.0 3.7 South Asian 19 3.0 1.9 Southeast Asian 70 11.0 10.5 White 16 2.5 3.7 Mixed or other racial 26 4.1 3.7 categories Missing 46 7.3 Born in Canada No 576 90.9 97.4	Variables		Unweighted Counts	Unadjusted Estimates, %	RDS-E Adjuste Estimates
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Age category				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		18-29	52	8.2	10.4
$\begin{array}{c ccccccc} 50+ & 115 & 18.1 & 19.2 \\ Missing & 46 & 7.3 & & \\ \hline Missing & 46 & 7.3 & & \\ \hline Male & 57 & 9.0 & 9.6 \\ Other & 3 & 0.5 & 0.3 \\ \hline Missing & 46 & 7.3 & & \\ \hline Racial background & & & & \\ \hline Black & 425 & 67.0 & 76.5 \\ \hline East Asian & 32 & 5.0 & 3.7 \\ South Asian & 19 & 3.0 & 1.9 \\ Southeast Asian & 70 & 11.0 & 10.5 \\ \hline White & 16 & 2.5 & 3.7 \\ Mixed or other racial & 26 & 4.1 & 3.7 \\ categories & & & \\ \hline Missing & 46 & 7.3 & & \\ \hline Born in Canada & & & & \\ \hline Missing & 47 & 7.4 & & \\ \hline Educational attainment & & & \\ \hline Some high school & 6 & 0.9 & 9.0 \\ High school degree & 45 & 7.1 & 8.7 \\ Some high school & 6 & 0.9 & 1.0 \\ High school degree & 45 & 7.1 & 8.7 \\ Some ollege/university & 241 & 38.0 & 41.2 \\ College degree, university & 288 & 45.4 & 47.4 \\ degree, or post graduate & & & \\ \hline Missing & 47 & 7.4 & & \\ \hline Current student status & & \\ \hline Not a student & 512 & 80.8 & 78.9 \\ Student & 113 & 17.8 & 21.1 & \\ \hline \end{array}$		30-39	174	27.4	32.1
Missing467.3Gender identityFemale52883.390.1Male579.09.6Other30.50.3Missing467.3 0.7 Racial backgroundBlack42567.076.5East Asian325.03.7South Asian193.01.9Southeast Asian7011.010.5White162.53.7Mixed or other racial264.13.7categories071.11.6Missing467.37.3Born in CanadaNo57690.997.4Yes111.72.6Missing477.47.4Educational attainmentNo57690.99.10High school degree457.18.7Some high school60.91.0High school degree457.18.7Some college/university28845.447.4degree, university28845.447.4degree, or post graduate degree280.878.9Missing477.47.4Current student status Not a student51280.878.9Student11317.821.1		40-49	247	39.0	38.3
Gender identity Female 528 83.3 90.1 Male 57 9.0 9.6 Other 3 0.5 0.3 Missing 46 7.3 7.3 Racial background Black 425 67.0 76.5 East Asian 32 5.0 3.7 South Asian 19 3.0 1.9 Southeast Asian 70 11.0 10.5 White 16 2.5 3.7 Mixed or other racial 26 4.1 3.7 categories Missing 46 7.3 Born in Canada No 576 90.9 97.4 Yes 11 1.7 2.6 Missing 47 7.4 7.4 Educational attainment Some grade school 7 1.1 1.6 Some high school 6 0.9 1.0 1.1 1.6 Some high school 6 0.9		50 +	115	18.1	19.2
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College degree, university degree, or post graduate degree28845.447.4Missing477.4Current student statusNot a student51280.878.9Student11317.821.1	High schoo	l degree	45	7.1	8.7
College degree, university degree, or post graduate degree28845.447.4Missing477.4Current student statusNot a student51280.878.9Student11317.821.1	Some college/u	niversity	241	38.0	41.2
degree, or post graduate degree Missing 47 7.4 Current student status Not a student 512 80.8 78.9 Student 113 17.8 21.1			288	45.4	47.4
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Variables	Unweighted Counts	Unadjusted Estimates, %	RDS-II Adjusted Estimates ^a %	RDS-II Adjusted 95% CI ^b
Income level				
Income above LICO	259	40.9	44.9	36.1 - 53.7
Income below LICO	328	51.7	55.1	46.3 - 63.9
Missing	47	7.4		
Housing Status				
Living in a temporary shelter	3	0.5	0.4	0.0 - 1.3
run by an agency				
Living in an institution (e.g.,	1	0.2	0.1	0.0 - 0.2
group home, long term care,				
correctional facility)				
Living in own home	70	11.0	10.7	4.8 - 16.5
Renting a home	487	76.8	82.1	73.8 - 90.4
Staying with friends and/or	27	4.3	6.7	0.0 - 13.5
family				
Missing	46	7.3		

ssing data was not included in une unsures. gative values were truncated at 0.0. ^aMissing data was not included in the distribution of percent estimates

^bNegative values were truncated at 0.0.

Table 2. Work experience profile

Variables	Unweighted Counts	Unadjusted Estimates, %	RDS-II Adjusted Estimatesª, %	RDS-II Adjusted 95% CI ^b
Current employment status				
Employed	569	89.8	89.0	82.7 - 95.3
Unemployed	57	9.0	11.0	4.7 - 17.3
Missing	8	1.3		
Currently working as PSW				
Not working as PSW	25	3.9	5.3	0.0 - 10.9
Working as PSW	599	94.5	94.7	89.1 - 100.0
Missing	10	1.6		
Main employment type in the past year [†]				
Casual or on contract (Part- Time/Full-Time) or self-	399	62.9	65.3	57.4 - 73.1
employed				
Permanent Part-time or Full-	225	35.5	34.7	26.9 - 42.6
time				
Missing	10	1.6		
Average number of paid work hours per week in the past year				
30 hours or more	318	50.2	50.7	42.2 - 59.1
Less than 30 hours	282	44.5	49.3	40.9 - 57.8
Missing	34	5.4	.,	
Main setting worked as PSW in the past year				
Home care in the community	258	40.7	43.9	35.2 - 52.5
Long-term care	211	33.3	34.5	27.0 - 42.0
Other (e.g., hospitals, shelters,	126	19.9	21.6	12.2 - 31.1
group homes, rehabilitation				
centres)				
Missing	39	6.2		
Union membership				
No	314	49.5	53.8	45.7 - 61.9
Yes	310	48.9	46.2	38.1 - 54.3
Missing	10	1.6		
Paid sick days [†]				
No	547	86.3	89.5	85.8 - 93.3
Yes	76	12.0	10.5	6.7 - 14.2

Variables	Unweighted Counts	Unadjusted Estimates, %	RDS-II Adjusted Estimatesª, %	RDS-II Adjusted 95% CI ^b
Missing	11	1.7		
Number of paid sick days received (if selected " <i>yes</i> " above) (N:76)				
0-5 days	14	18.4	18.9	0.0 - 40.2
6-10 days	31	40.8	35.2	14.5 - 56.0
10+ days	28	36.8	45.8	23.2 - 68.5
Missing	3	4.0		
Retirement income plan from employer [†]				
No	386	60.9	67.2	59.5 - 74.8
Yes	226	35.7	32.8	25.2 - 40.5
Missing	22	3.5		
Other employment benefits from employer (e.g., dental, medications) [†]				
No	438	69.1	74.1	66.8 - 81.4
Yes	176	27.8	25.9	18.6 - 33.2
Missing	20	3.2		
Financial assistance received from government: [‡]				
Housing	73	11.5	13.5	6.6 - 20.5
Childcare	155	24.5	26.2	18.7 - 33.7
Recreation	27	4.3	4.7	1.5 - 8
Food allowances	54	8.5	7.9	5.1 - 10.7
Dental	71	11.2	10.7	5.1 - 16.2
Vision	39	6.2	5.2	3.0 - 7.4
Prescription drugs	77	12.2	11.4	7.6 - 15.2
Assistive living devices	5	0.8	0.9	0.0 - 2
Transit passes	28	4.4	4.8	2.0 - 7.6
Student grants	26	4.1	5.6	2.4 - 8.8
Electricity grants	69	10.9	11.5	7.2 - 15.7
Disability supports	10	1.6	2.8	0.6 - 5.1
Other	23	3.6	2.8	1.4 - 4.2
Frequency of knowing work schedule one week advance [†]				
Half the time/Some of the time/Never	194	30.6	31.9	24.1 - 39.8
All the time/Most of the time	413	65.1	68.1	60.2 - 75.9
Missing	27	4.3		

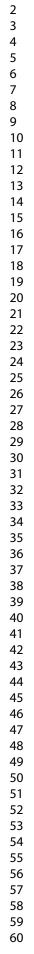
Variables	Unweighted Counts	Unadjusted Estimates, %	RDS-II Adjusted Estimatesª, %	RDS-II Adjusted 95% CI ^b
Work related injuries or			, ,	
sickness in the past year				
No	430	67.8	74.5	68.3 - 80.7
Yes	177	27.9	25.5	19.3 - 31.
Missing	27	4.3		
If injured/sick, file to WSIB? (N: 177)				
No	136	76.8	81.2	73.6 - 88.
Yes	41	23.2	18.8	11.2 - 26.4
If injured/sick, how many working days missed?				
(N:177)	70	11.0	16.0	21.0 (1
0-5 days	79	44.6	46.2	31.0 - 61.4
6-10 days	28_{50}	15.8	16.3	7.8 - 24.8
10+ days	50	28.3	37.5	22.7 - 52.
Missing	20	11.3		
reprisal for raising health and safety or employment rights (e.g., harassment) concern to employer [†]				
Not Likely/Not likely at all	353	55.7	43.5	47.9 - 65.
Somewhat likely/Likely/Very likely	261	41.2	56.5	34.8 - 52.
Missing	20	3.2		
Worker's empowerment to participate in injury and illness prevention				
Empowered	89	14.0	12.1	6.0 - 18.2
Not empowered	545	86.0	87.9	81.8 - 94.
Experience with discrimination due to: ‡				
Ethnicity	137	21.6	21.4	16.3 - 26.
Gender	11	1.7	1.8	0 - 3.6
Age	24	3.8	4	2 - 6.1
Sexual orientation	2	0.3	0.6	0 - 1.5
Disability	5	0.8	0.7	0 - 1.6
Immigration status	63	9.9	9.9	4.0 - 15.7
Other	50	7.9	8.2	3.8 - 12.5

^aMissing data was not included in the distribution of percent estimates.

$ \begin{array}{r} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 13 \\ 14 \\ 15 \\ 16 \\ 17 \\ 18 \\ 19 \\ 20 \\ 21 \\ 22 \\ 23 \\ 24 \\ 25 \\ 26 \\ 27 \\ 28 \\ 29 \\ 30 \\ 31 \\ 32 \\ 33 \\ 34 \\ 35 \\ 36 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ \end{array} $	^b Negative values were truncated at 0.0. ¹ Part of the Employment Precarity Index. ¹ Participants were able to select all options. Therefore, each category of assistance or not; discrimination elicited a binary response (i.e., received a particular assistance or not; discriminated against due to a particular reason or not) and the sum of positive responses across the different categories exceeded the total number of participants (n=634).	PSS
	For Peer Review Only	18

490 109 35	77.3 17.2	%	
109	17.2		
			74.3 - 87.2
35		19.2	12.8 - 25.
	5.5		
515	81.2	85.9	78.1 - 93.
010	01.2	00.7	70.1 95.
85	13.4	14.1	6.2 - 21.9
34	5.4		
425	67.0	73.9	67.7 - 80.
171	27.0	26.1	20.0 - 32.
38	6.0		
398	62.8	67.10	60.0 - 74.
199	31.4	32.9	25.8 - 40.
37	5.8		
	34 425 171 38 398 199	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Table 3. Results from Income Stress Scale



Questions	Unweighted Counts	Unadjusted Estimates, %	RDS-II Adjusted Estimates ^a , %	RDS-II Adjusted 95% CI
Lower	231	36.4	40.7	31.8 - 49.50
The same	237	37.4	37.5	28.8 - 46.2
Higher	128	20.2	21.8	15.7 - 27.9
Missing	38	6.0		

^aMissing data was not included in the distribution of percent estimates.

Table 4. Health outcomes

Variables	Unweighted Counts	RDS Unadjusted Estimates, %	RDS-II Adjusted Estimates ^a , %	RDS-II Adjusted 95% CI
Perceived general health				
Poor/Fair/Good	278	43.9	46.7	37.9 - 55.5
Very good/Excellent	323	51.0	53.3	44.5 - 62.1
Missing	33	5.2		
Life satisfaction				
Dissatisfied	168	26.5	28.2	20.7 - 35.8
Satisfied	433	68.3	71.8	64.2 - 79.3
Missing	33	5.2		
Amount of stress in most days				
Not at all stressful/Not very	434	68.5	73.2	65.4 - 80.9
stressful/A bit stressful				
Quite a bit stressful/Extremely	166	26.2	26.8	19.1 - 34.6
stressful				
Missing	34	5.4		
Frequency of work negatively affecting mental health				
Always/Usually	98	15.5	16.8	8.9 - 24.8
Occasionally/Rarely/Never	503	79.3	83.2	75.2 - 91.1
Missing	33	5.2		
Frequency of getting angry due to work				
Always/Usually	59	9.3	10.1	4.0 - 16.3
Occasionally/Rarely/Never	543	85.7	89.9	83.7 - 96.0
Missing	32	5.1		
Amount of stress at work				
Not at all stressful/Not very stressful/A bit stressful	402	63.4	67.3	58.7 - 75.9
Quite a bit stressful/Extremely stressful	200	31.6	32.7	24.1 - 41.3
Missing	32	5.1		
Risk for depression (PHQ-2 scale)				
Likely	136	21.5	21.0	14.0 - 28.0
Unlikely	456	71.9	79.0	72.0 - 86.0
Missing	42	6.6		

Variables	Unweighted Counts	RDS Unadjusted Estimates, %	RDS-II Adjusted Estimatesª, %	RDS-II Adjusted 95% CI
Perceived impact of work on				
significant relationships				
Always/Usually	193	30.4	28.8	20.7 - 36.8
Occasionally/Rarely/Never	406	64.0	71.2	63.2 - 79.3
Missing	35	5.5		
Sense of belonging in the				
community				
Somewhat strong/Strong	452	71.3	72.0	63.0 - 81.0
Somewhat weak/Very weak	146	23.0	28.0	19.0 - 37.0
Missing	36	5.7		

^aMissing data was not included in the distribution of percent estimates

t includeu ...

Explanatory Variables	Model 1 (Perceived General Health) Adjusted Odds Ratio	Model 2 (Risk for Depression) Adjusted Odds Ratio
Explanatory variables	(95% CI)	(95% CI)
PEPSO score	1.00 (0.99-1.02)	1.02 (1.01-1.03)**
Age category		
18-29 years old	Reference	Reference
30-39 years old	0.77 (0.40-1.49)	0.84 (0.40-1.85)
40-49 years old	1.58 (0.85-2.98)	1.31 (0.65-2.80)
50 years and older	2.78 (1.41-5.60)**	1.02 (0.46-2.33)
Gender identity ^a		
Female	Reference	Reference
Male	0.56 (0.31-1.00)†	0.91 (0.44-1.76)
Educational attainment ^b		
High school degree or lower	Reference	Reference
At least some college	1.01 (0.57-1.79)	0.63 (0.35-1.18)
Main setting worked as PSW		
in the past year		
Other (e.g., hospitals, shelters,		
group homes, rehabilitation	Reference	Reference
centres)	Reference	Kererence
Homecare in the community	1.02 (0.62-1.67)	0.63 (0.37-1.08) [†]
Long-term care	1.52 (0.92-2.55)	0.68 (0.39-1.19)
Low Income Status		
Below Low-Income Status	Reference	Reference
Threshold		
Above Low-Income Status	0.97 (0.68-1.38)	0.97 (0.64-1.46)
Threshold	× ,	
	Other" on the Gender identity variabl	e were excluded in the regre
analysis due to small cell value.		

Table 5. Regression results comparing work precarity scores across demographics

analysis due to small cell value. ^bBecause of small cell values, the five response options ("Some grade school", "Some high school", "High school degree", "Some college/university", "College degree, university degree, or post graduate

47 "High school degree", "Some
48 degree") were dichotomized.

⁴⁹ [†]p<0.10, *p<0.05, **p<0.01

	Item No.	Recommendation	Pag No.
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	1
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	2
Introduction			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	3
Objectives	3	State specific objectives, including any prespecified hypotheses	3
Methods			
Study design	4	Present key elements of study design early in the paper	3
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	3
Participants	6	(a) Cohort study—Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-	4
		up	
		Case-control study—Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the	
		rationale for the choice of cases and controls	
		Cross-sectional study—Give the eligibility criteria, and the sources and methods of selection of participants	
		(b) Cohort study—For matched studies, give matching criteria and number of exposed and unexposed	n/a
		Case-control study—For matched studies, give matching criteria and the number of controls per case	
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	4
Data sources/	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of	5
measurement		assessment methods if there is more than one group	
Bias	9	Describe any efforts to address potential sources of bias	5
Study size	10	Explain how the study size was arrived at	4

STROBE Statement-checklist of items that should be included in reports of observational studies

Continued on next page

Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	5
Statistical	12	(a) Describe all statistical methods, including those used to control for confounding	5
methods		(b) Describe any methods used to examine subgroups and interactions	5
		(c) Explain how missing data were addressed	5
		(d) Cohort study—If applicable, explain how loss to follow-up was addressed	5
		Case-control study—If applicable, explain how matching of cases and controls was addressed	
		Cross-sectional study—If applicable, describe analytical methods taking account of sampling strategy	
		(\underline{e}) Describe any sensitivity analyses	n/a
Participants	13*	(a) Report numbers of individuals at each stage of study-eg numbers potentially eligible, examined for eligibility, confirmed eligible,	5
		included in the study, completing follow-up, and analysed	
		(b) Give reasons for non-participation at each stage	5
		(c) Consider use of a flow diagram	n/a
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	6
		(b) Indicate number of participants with missing data for each variable of interest	6
		(c) Cohort study—Summarise follow-up time (eg, average and total amount)	n/a
Outcome data	15*	Cohort study—Report numbers of outcome events or summary measures over time	n/a
		Case-control study-Report numbers in each exposure category, or summary measures of exposure	n/a
		Cross-sectional study—Report numbers of outcome events or summary measures	6-7
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear	6-7
		which confounders were adjusted for and why they were included	
		(b) Report category boundaries when continuous variables were categorized	6-7
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	n/a

Continued on next page

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Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	7
Key results			7
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential	7
		bias	
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other	7
		relevant evidence	
Generalisability	21	Discuss the generalisability (external validity) of the study results	7
Other informati	on		
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is	8
		based	

*Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

Note: An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at http://www.plosmedicine.org/, Annals of Internal Medicine at http://www.annals.org/, and Epidemiology at http://www.epidem.com/). Information on the STROBE Initiative is available at www.strobe-statement.org.

Categorical Variable	Count	Percent (%)
Main work setting		
Home care in the community	10	41.7
Long-term care facilities	9	37.5
Other	5	20.8
City of work location		
Ajax	1	4.2
Missisauga	1	4.2
North York	2	8.3
Oshawa	1	4.2
Scarborough	2	8.3
Toronto	16	66.7
Whitby	1	4.2
Age category		
18-29 years old	6	25.0
65 years and older	1	4.2
30-39 years old	8	33.3
50-64 years old	3	12.5
40-49 years old	6	25.0
Gender		
Female	20	83.3
Male	4	16.7
Racial Background		
Black	13	54.2
Middle Eastern	2	8.3
Latino	1	4.2
Southeast Asian	3	12.5
South Asian	1	4.2
White	2	8.3
Other/Mixed	2	8.3
Main Employment Type		
Casual or on contract (Part-Time/Full-	14	58.3
Time) or self-employed		
Permanent Part-time or Full-time	10	41.7

Supplement 1. Sociodemographic Information of Seeds (N=24)

	Range	Average (Standard Deviation)
Number of years working as PSW	1 - 22	4.8 (5.8)
Number of PSW known	1 - 100	11. 5 (19.9)

Supplement 2. Recruitment Materials

A. Posters to recruit advisory committee members



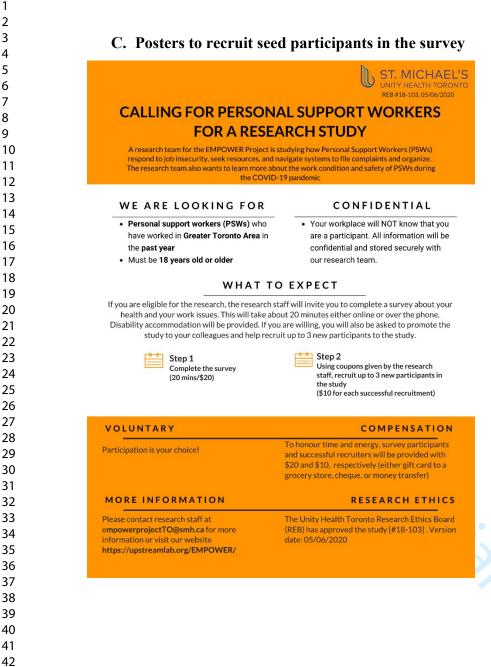
B. Blurb to recruit advisory committee members posted on online platforms

Seeking Personal Support Workers for Advisory Committee

EMPOWER is a community-based participatory action research conducted by the Upstream Lab at St. Michael's Hospital to examine working conditions and health of Personal Support Workers (PSWs) in Greater Toronto Area (GTA).

We are inviting PSWs who are working GTA and are interested in the issue of decent work to be part of our advisory committee. This committee will likely meet for 1.5 hours every 1-2 months until March 2021 to provide guidance on our study design and help transform our study results into real change. Honorarium (\$30/hour) is available and disability accommodation can be provided.

Please contact us for more information at 416-360-4000 ext. 76156 or empowerprojectTO@smh.ca. Please share widely with your networks.



Supplement 3. Full EMPOWER Survey

A. Description:

The survey is divided into six sections, *Overall Employment Experience, Work Impacts on Mental Health and Relationship, General Health, Income Stress, COVID-19 Impacts,* and *Demographics.* This article reported on all sections except for the *COVID-19 Impacts,* which will be presented in a future article alongside the results from the interview component of the EMPOWER (EMployment and PrecariOus Work in Toronto's Health Sector: Evaluation and Research) project.

Validated Tools	Corresponding Question Numbers in the Survey	Link to original tool and guide
	Below	
OHS Vulnerability	14 (matrix table)	https://www.iwh.on.ca/tools-and-
Measure		guides/ohs-vulnerability-measure
PEPSO Employment	3, 6, 7, 8, 10, 11, 12, 13,	https://pepso.ca/tools
Precarity Index	15, 16, 17, 20	
PEPSO Income Stress	35, 36, 38, 39, 40	https://pepso.ca/tools
CCHS Life Satisfaction	32	https://www150.statcan.gc.ca/n1/pu
Question	0	b/82-625-x/2017001/article/54862- eng.htm
PHQ-2 Depression Scale	31 (matrix table)	https://www.hiv.uw.edu/page/ment al-health-screening/phq-2

B. List of validated tools in the survey:

C. The full survey:

COVER PAGE

EMPOWER

EMployment and **P**recari**O**us **W**ork in Toronto's Health Sector: **E**valuation and **R**esearch (EMPOWER) is a research study on the work conditions and health of Personal Support Workers (PSWs) funded by the Metcalf Foundation. The purpose of EMPOWER is to better understand how the current work conditions of PSWs working in home care and long-term care facilities may impact their well-being. This project will also evaluate the safety and work experience of PSWs during the COVID-19 pandemic.

Your direct insight as a PSW is important to highlight the current workplace reality and concerns faced by PSWs in Greater Toronto Area. Information gained from this survey will be relevant to policy makers, health planners, other PSWs, and the general public. It is anticipated that the findings will help inform policy changes that will lead to better work conditions and health of PSWs. *Your participation is voluntary, and all responses are confidential.*

The survey only takes about 20 minutes to complete and is divided into 6 sections: *Overall Employment Experience, Work Impacts on Mental Health and Relationship, General Health, Income Stress, COVID-19 Impacts, Demographics.* If you are unable to complete this survey in one session, you can return to it at a later time and continue where you left off by following the same survey link. You will have <u>one week</u> to complete the survey, at which point the research staff will follow up with you for honorarium. Please note that a consent form detailing the study and its potential risk and benefits to participants was sent in a previous email to you. *Your informed consent is implied upon submission of the survey*.

Please send any questions about the survey to Pinky Hapsari (empowerprojectTO@smh.ca)

Thank you for contributing to this important health study.





SECTION A: OVERALL EMPLOYMENT EXPERIENCE

In the following set of questions, we would like you to think about your overall employment situation, which may involve more than one job/contract.

1. In the past 12 months, where do you mostly work as a PSW? (Select one answer)

- \circ Home care in the community
- Long-term care facilities
- \circ Hospitals
- o Institutions for people with disabilities
- o Shelters
- o Prisons
- Other please specify:

2. What is your current employment status?

(Please select all that currently apply to you, for example, if you are a student and are also working for pay, please choose both "Student" and "Employed")

- Employed (part-time or full-time)
- \circ Student
- On short term leave from work (leave of absence, sick leave, or short-term work disability)
- Furloughed or temporarily laid off
- On long term leave from work (leave of absence, sick leave, or long-term work disability)
- Unemployed, but looking for work
- Not working and not looking for work due to a health condition
- Not working and not looking for work due to another reason(s) please specify:
- 3. Which of the following best describes the job/contract that paid you the most in the last 12 months? (Select one answer only)
 - Casual (on-call, day labour)
 - Full-time on a temporary/short term contract (less than a year)
 - Part-time on a temporary/short term contract (less than a year)
 - Full-time on a fixed term contract, one year or more
 - o Part-time on a fixed term contract, one year or more
 - o Self-employed no employees
 - Self-employed others work for me
 - Permanent part-time less than 30 hour per week
 - Permanent full-time hours vary from week to week and could sometimes be less than
 30
 - Permanent full time **30 hours or more a per week**

4. Was this a unionized position? (Select one answer)

- o Yes
- o No

5. Did you usually have more than one client? (Select one answer)

- o Yes
- o No
- 6. In the last 12 months, what portion of your paid hours came from temporary employment agencies? (Select one answer only):
 - o All
 - o Most
 - o Half
 - o Some
 - o None
- 7. Does the following describe most of your employment relationship in the past 12 months? "I have one employer, who I expect to be working for a year from now, who provides at least 30 hours of work a week, and who pays benefits (e.g. drug plans, visions, dental)." (Select one answer)
 - o Yes
 - **No**
- 8. Do you usually get paid if you miss a day's work? (Select one answer)
 - o Yes
 - **No**
- 9. (If answers 'Yes' on the above question) How many paid sick days do you get in a year? (Enter the number of days)

(Please provide your answer as a number, for example, 23 instead of twenty-three)

- 10. In the last 12 months, how much did your income vary from week to week? (Select one answer)
 - A great deal
 - o A lot
 - o Some
 - o A little
 - Not at all
- 11. In the last 12 months, how often did you work on an on-call basis? (*That is, you had no set schedule, and your employer called you in only when there was work*) (Select one answer)
 - o All the time
 - $\circ \quad \text{Most of the time} \\$
 - Half the time
 - $\circ \quad \text{Some of the time} \quad$
 - o Never

- 12. In the last 12 months, what portion of your employment income was received in cash? (Select one answer)
 - o Most

- About half
- o Less than half
- o None
- 13. How likely would most of your employment be negatively affected (e.g. laid off, given less hours) if you raised a health and safety concern or raised an employment rights concern (e.g. harassment by clients or colleagues) with your employer(s)? (Select one answer)
 - o Very likely
 - o Likely
 - o Somewhat likely
 - o Not likely
 - Not likely at all
- 14. This section explores your ability to ask questions about, and participate in, health and safety at work. For each item below, please select under the heading that best describes how much you agree or disagree with the statement.

At my workplace	Strongly	Agree	Disagree	Strongly
	Agree			Disagree
I feel free to voice concerns or make suggestions				
about workplace health and safety at my job	6			
If I notice a workplace hazard, I would point it out to				
management				
I know that I can stop work if I think something is				
unsafe and management will not give me a hard				
time				
If my work environment was unsafe, I would not say				
anything, and hope that the situation eventually				
improves				
I have enough time to complete my work tasks				
safely				

15. How likely will your total hours of paid employment be reduced in the next 6 months? (Select

one answer)

- o Very likely
- o Likely
- o Somewhat likely
- Not likely
- Not likely at all
- 16. Did most of your employer(s) in the last 12 months provide a private retirement income plan such as a pension plan or a contribution to an RRSP (CPP does not count)? (Select one answer)

1	
2	
3	o Yes
4	0 No
5	 Does not apply
6 7	
8	17. Did you receive one other employment herefits from your employer(a) such as a drug plan
9	17. Did you receive any other employment benefits from your employer(s) such as a drug plan,
10	vision, dental, life insurance etc.? (Select one answer)
11	o Yes
12	0 No
13	 Does not apply
14	
15	18. During the last month, did you not fill or collect a prescription for medicine, or skip doses of
16	your medicine because of the cost?
17	•
18	o Yes
19	• No
20	 Not applicable, I had no medication prescription to fill
21 22	 Do not know
22	
23 24	19. Do you have insurance that covers all or part of the cost of your prescription medications?
24	Please include any private, government or employer-paid plans.
26	
27	o Yes
28	• No
29	 Do not know
30	
31	20. In the last 12 months, how often do you know your work schedule at least one week in
32	advance? (Select one answer)
33	• All the time
34	 Most of the time
35	
36	
37 38	 Some of the time
39	o Never
40	
41	21. In the last 12 months, on average how many paid hours did you work per week? (Enter
42	number of hours)
43	(Please provide your answer as a number, for example, 23 instead of twenty-three)
44	
45	
46	
47	22. In the last 12 months, did you get sick or injured because of your work? (Select one answer)
48	o Yes
49	0 No
50	
51	23. (If Yes on above) How many days did you miss from work due to an injury in the last 12
52	months?
53 54	
54 55	
55 56	24. ((If Yes on above) Did you file a claim with Workplace Safety Insurance Board (WSIB)?
50 57	

60

- o Yes
- o No

- 25. At work, do you feel like you are being treated unfairly or differently from other people because of the following? (Check all that apply)
 - Your race/ethnicity
 - Your gender
 - Your age
 - Your sexual orientation
 - Your disability
 - Your immigration status
 - Other; specify: _
 - Not applicable (did not feel discriminated against)

SECTION B: WORK IMPACTS ON MENTAL HEALTH AND RELATIONSHIPS

The following section asks how your employment situations may affect your mental health and relationships.

26. Over the last 12 months, how often did your employment situation negatively affect your mental health? (Select one answer)

- o Always
- Usually
- Occasionally
- Rarely
- o Never

27. Over the last 12 months, how often were you angry as a result of your work? (Select one

answer)

- Always
- o Usually
- \circ Occasionally
- o Rarely
- o Never
- 28. Thinking about your main job or business in the past 12 months, would you say that most days at work were...? (Select one answer)
 - Not at all stressful
 - o Not very stressful
 - o A bit stressful
 - o Quite a bit stressful
 - o Extremely stressful

- 29. Over the last 12 months, how often did you feel your employment situation negatively affect your significant relationships (e.g. lack of quality time with family or friends, conflict with spouse)? (Select one answer)
 - o Always
 - o Usually
 - o Occasionally
 - o Rarely
 - o Never

SECTION C: GENERAL HEALTH

The next questions ask about your health. By health, we mean not only the absence of disease or injury but also physical, mental and social well-being.

30. In general, would you say your health is... ? (Select one answer)

- o Excellent
- $\circ \quad \text{Very good} \\$
- o Good
- o Fair
- o Poor
- 31. Over the last 2 weeks, how often have you been bothered by the following problems? (Select one answer for each statement)

	Not at all	Several days	More than half the days	Nearly every day
Little interest or pleasure in doing things		0/		
Feeling down, depressed or hopeless				

- 32. Using a scale of 0 to 10, where 0 means "Very dissatisfied" and 10 means "Very satisfied", how do you feel about your life as a whole right now? (Select one answer)
 - 0 Very dissatisfied
 - o 1
 - o 2
 - o 3
 - o 4
 - o 5
 - o 6
 - o **7**
 - o **8**
 - o 9
 - 10 Very satisfied

33. Thinking about the amount of stress in your life, would you say that most of your days are...?

(Select one answer)

- Not at all stressful
- $\circ \quad \text{Not very stressful} \\$
- A bit stressful
- Quite a bit stressful
- Extremely stressful

34. How would you describe your sense of belonging to your local community? Would you say it

- is...? (Select one answer)
 - Very strong
 - $\circ \quad \text{Somewhat strong} \quad$
 - $\circ \quad \text{Somewhat weak} \quad$
 - Very weak

SECTION D: INCOME STRESS

This section asks about your ability to make ends meet.

- 35. Thinking about the *last* 12 months, has concern over your employment situation negatively influenced large spending decisions (e.g. afraid to make large purchases, afraid to spend money on children's activities, vacations, etc.) (Select one answer)
 - o Yes
 - **No**
- 36. Thinking about the *last* 12 months, which of the following statements best describes how well you and your household had been keeping up with your bills and other financial commitments? (Select one answer)
 - Keeping up without any problems (skip next 2 questions)
 - Keeping up, but it is sometimes a struggle
 - o Having real financial problems and falling behind
- 37. (If "Yes" on above) How did you get around this difficulty? (check all that apply)
 - Worked more
 - Cut back/prioritized expenses
 - $\circ \quad \text{Savings}$
 - o Credit card
 - $\circ \quad \text{Bank loan} \quad$
 - Pay-day loan
 - Money from a relative or a friend
 - Other, specify: _____
- 38. Thinking about the *next* 12 months, does your employment situation make you concerned about your ability to meet your debt obligations (i.e. mortgages, credit cards and bank loans) in the following year? (Select one answer)

	0	

o No

Yes

- 39. Thinking about the *next* 12 months, were you concerned that you would not be able to maintain your current standard of living in the following year due to your employment situation? (Select one answer)
 - o Yes
 - o No

40. Compared to a year ago, is your personal income this year noticeably: (Select one answer)

- o Lower
- o The same
- o Higher

41. In the last 12 months, did you receive any of the following subsidies/benefits from public sources? (Select all that apply)

- Housing
- Childcare
- Recreation
- Food allowances
- o Dental
- o Vision
- Prescription drugs
- Assistive living devices for you or a family member
- o Transit passes
- o Student grants
- Electricity grant
- Disability supports
- Other (specify)_____
- o None

SECTION E: COVID-19 IMPACTS

The following questions ask how you feel about your work conditions **DURING THE COVID-19 PANDEMIC**.

42. Where do you mostly work as a PSW since March 2020? (Select one answer)

- Home care in the community
- Long-term care facilities
- Hospitals
- Institutions for people with disabilities
- Shelters
- Prisons
- Not applicable mostly unemployed
- Other please specify:

For Peer Review Only

43. (If selecting LTC) What type of organization is your employer at the long-term care facilities? (Select one answer)

Some examples: Bayview in Toronto is owned by a private for-profit organization, Kipling Acres in Toronto is run by municipality, extendicare is owned by private for-profit organization. For a full list of LTCs in GTA and their types, click here.

- Private for-profit
- Private not-for-profit
- o Municipality

- o Do not know
- 44. Since March 2020, what is the average number of hours *per week* that you work at *(text will follow the selected option or the specified text if "Other" is selected on Q1)*? (Enter number of hours)

(Please provide your answer as a number, for example, 23 instead of twenty-three)

- 45. Did you receive any training at the beginning of the pandemic (late March to early April) for protecting *yourself* from contracting COVID-19? (Select one answer)
 - o Yes
 - **No**
- 46. (*If yes on above*) How helpful do you feel the training was for protecting *yourself* from contracting COVID-19? (Select one answer)
 - o Extremely helpful
 - o Very helpful
 - o Moderately Helpful
 - o Slightly helpful
 - Not at all helpful
- 47. Did you receive any training at the beginning of the pandemic (late March to early April) for protecting your patients from contracting COVID-19? (Select one answer)
 - o Yes
 - o No
- 48. (*If yes on above*) How helpful do you feel the training was for protecting *your patients* from contracting COVID-19? (Select one answer)
 - Extremely helpful
 - o Very helpful
 - o Moderately Helpful
 - Slightly helpful
 - Not at all helpful
- 49. Did you receive any training at the beginning of the pandemic for putting on and taking off the following personal protective equipment (PPE)? (Select one answer)

	Protective Equipment	Yes	No
--	-----------------------------	-----	----

Gloves	
Masks	
Gowns	
Face shields	

- 50. (If selected 'Yes' for 'Gloves' on Q.44) How helpful do you feel the training was for putting on and taking off gloves? (Select one answer)
 - Extremely helpful
 - Very helpful
 - o Moderately helpful
 - o Slightly helpful
 - o Not at all helpful
- 51. (If selected 'Yes' for 'Masks' on Q.44) How helpful do you feel the training was for putting on and taking off masks? (Select one answer)
 - o Extremely helpful
 - Very helpful
 - o Moderately helpful
 - Slightly helpful
 - o Not at all helpful
- 52. (If selected 'Yes' for 'Gowns' on Q.44) How helpful do you feel the training was for putting on and taking off gowns? (Select one answer)
 - o Extremely helpful
 - o Very helpful
 - Moderately helpful
 - Slightly helpful
 - Not at all helpful
- 53. (If selected 'Yes' for 'Face shields' on Q.44) How helpful do you feel the training was for putting on and taking off face shields? (Select one answer)
 - o Extremely helpful
 - o Very helpful
 - o Moderately helpful
 - o Slightly helpful
 - Not at all helpful
- 54. How often did you have the following protective equipment available to use between each patient? (Select one answer for each item)

Protective Equipment	Never	Rarely	Sometimes	Often	Always
Gloves					
Masks					
Gowns					
Face shields					
Hand sanitizer					

Access to running water and soap			
Other equipment you feel important - please specify:			

55. Were you tested for COVID-19? (Select one answer)

- o Yes
- **No**

56. (If yes on above) What was the result for your COVID-19 test?

- Positive
- Negative
- Still waiting for result

57. Did you have any common symptoms* of COVID-19?

*Common symptoms include:

- *fever (feeling hot to touch, a temperature of 37.8 degrees Celsius or higher)*
- chills
- cough that's new or worsening (continuous, more than usual)
- barking cough, making a whistling noise when breathing (croup)
- shortness of breath (out of breath, unable to breathe deeply)
- sore throat
- difficulty swallowing
- runny, stuffy or congested nose (not related to seasonal allergies or other known causes or conditions)
- lost sense of taste or smell
- pink eye (conjunctivitis)
- headache that's unusual or long lasting
- digestive issues (nausea/vomiting, diarrhea, stomach pain)
- muscle aches
- extreme tiredness that is unusual (fatigue, lack of energy)
- falling down often
- o Yes
- o No

58. How worried are you about contracting COVID-19 while on the job? (Select one answer)

- Extremely worried
- o Moderately worried
- $\circ \quad \text{Somewhat worried} \quad$
- \circ Slightly worried
- $\circ \quad \text{Not at all worried} \\$

1	
2	
3	
4	59. How worried are you that people who live with you will get COVID-19 because of your work as
5	PSW? (Select one answer)
6	
7	 Extremely worried
8 9	 Moderately worried
9 10	 Somewhat worried
11	 Slightly worried
12	 Not at all worried
13	
14	60. During the COVID-19 pandemic, did the following happen to you? (Select all that apply)
15	• You were fired
16	
17	 You were laid off
18	 Your hours were reduced significantly (e.g. more than 25%)?
19	 Your hours became uncertain
20	 Your pay was delayed
21	 You took a leave of absence - please specify reason:
22	 Other – please specify:
23	
24	 Nothing impacted your work
25	
26 27	61. How much more or less concerned are you about your job security during the COVID-19
28	pandemic compared to before the pandemic? (Select one answer)
29	 Much more concerned
30	 Slightly more concerned
31	o The same
32	 The same Slightly less concerned Much less concerned
33	 Much less concerned
34	
35	62. How much more difficult or easy is it to arrange for childcare during the pandemic compared
36	to before the COVID-19 pandemic? (Select one answer)
37	 Much more difficult
38	
39	
40	• The same
41 42	 Slightly more easy
42	 Much more easy
44	 Not applicable (do not have any child who requires childcare)
45	
46	
47	SECTION F: DEMOGRAPHICS
48	
49	This last section asks for your demographic information.
50	(2) Here means the second set of $\mathbf{P}(\mathbf{M})$ (5) the second set of \mathbf{M}
51	63. How many years have you worked as PSW? (Enter number of years)
52	(Please provide your answer as a number, for example, 23 instead of twenty-three)

64. How many friends do you know who work as PSW in Greater Toronto Area, whom you have communicated with regularly in the past year (in-person/online/by texts)? (Enter number of friends)

(Please provide your answer as a number, for example, 23 instead of twenty-three)

65. What is your age? (Select one answer)

o 18-29 years old

- \circ 30-39 years old
- \circ 40-49 years old
- 50-64 years old
- 65 years and older

66. How would you identify your gender identity? (Select one answer)

- \circ Female
- o Male
- Gender non-binary
- Gender fluid
- o Transgender
- Other, please specify: _

67. Were you born in Canada? (Select one response)

- o Yes
- o No
- 68. In our society, people are often described by their race or racial background. For example, some people are considered "White" or "Black" or "East/Southeast Asian," etc. Which race category best describes you? (Select all that apply)
 - o Black
 - o East Asian
 - Indigenous (First Nations, Metis, Inuit)
 - o Latino
 - o Middle Eastern
 - South Asian
 - o Southeast Asian
 - o White
 - Another race category, please specify:
- 69. What is your highest completed level of education? (Select one answer)
 - Some grade school
 - Some high school
 - High school
 - Some College/University
 - o College degree, university degree, or post graduate degree

71. What i	s your current living situation?	(Select one answer)	
0	Renting a home		
0	Living in own home		
0	Living in an institution (group	home, long term care, c	orrectional facility, etc.)
0	Staying with friends and/or fa	mily	
0	Living in a temporary shelter i	run by an agency	
0	Homeless		
72. What i	s the size of your household? (Select one answer)	
"House	chold" includes yourself, spous	e, children, and any oth	er dependents who rely on your
income	e. Roommate does not count.		
0	1		
0	2		
0	3		
0	4		
0	5		
0	6		
0	7 or more		
73. In 201 9) did your household income f	all below \$Amount? (Se	lect one response)
ote for review	vers: The specific amount will sl	now on the online survey	, depending on the number of
-			oopulation size >500,000 (the most
•	nilable on Stats Canada website		
	50.statcan.gc.ca/t1/tbl1/en/tv.a):
LCDJ.// VV VV VV LC		101-1110024101	· ·
	Family Size	Low Income Cut-offs	

Family Size	Low Income Cut-offs
1 person	21, 481
2 persons	26, 143
3 persons	32, 554
4 persons	40, 614
5 persons	46, 247
6 persons	51, 289
7 persons or more	56, 331

FINAL COMMENTS

- 74. Would you like to be contacted in the future to see if you would be interested in participating in another research study?
 - o Yes
 - o No

75. If there is anything else that you want to comment on, please feel free to write in the space below: ______

End of Survey

Note: You will be logged off and your responses will be recorded after you click "Submit".

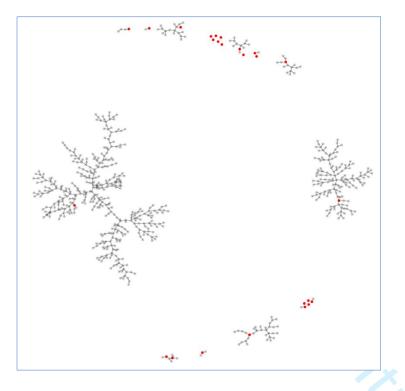
Thank you for spending the time to complete this survey. If you have any questions, please contact our research staff at empowerprojectTO@smh.ca

SUBMIT

Supplement 4. Overview of Recruitment Network

A. EMPOWER study Respondent-Driven Sampling recruitment diagram

Red dots represent seeds and grey circles represent recruited participants. Some seeds were not able to recruit any new participants while a few deep well-connected networks proceeded through multiple waves of recruitment.



B. Number of RDS recruits and waves per seed in the EMPOWER study

Seed ID*	Number of recruits (Including the seed in count)**	Number of Waves
А	1	1
В	1	1
С	5	3
D	1	1
Е	1	1
F	1	1
G	12	5
Н	1	1
Ι	2	2
J	15	5
K	1	1
М	1	1
N	1	1
0	2	2

Seed ID*	Number of recruits (Including the seed in count)**	Number of Waves
Р	4	4
Q	1	1
R	3	2
S	3	2
Т	33	9
U	402	34
V	2	2
Х	2	2
Y	19	7
Z	144	17

*Note that seeds "L" and "W" were lost to follow up and did not complete the survey. Both seeds were excluded from the study.

** A total of 658 PSWs completed the survey; however, all seeds (n=24) were excluded in the aggregated RDS analysis, which yielded a total of 634 respondents included in the RDS analysis.

Questions	Unweighted Counts	Unadjusted Estimates, %	RDS-II Adjusted Estimatesª, %	RDS-II Adjusted 95% CI
Which of the following best describes the job/contract that paid you the most in the last 12 months?"				
Non-permanent (casual, temporary, full-time) and self- employed	399	62.9	65.3	57.4 - 73.1
Permanent (full-time/part- time)	225	35.5	34.7	26.9 - 42.0
Missing In the last 12 months, what portion of your paid hours came from temporary employment agencies?	10	1.6		
Half/Some/None All/Most Missing	330 290 14	52.1 45.7 2.2	51.1 48.9	42.7 - 59.5 40.5 - 57.2
Does the following describe most of your employment relationship in the last 12 months?				
"I had one employer, who I expected to be working for a year from now, who provided at least 30 hours of work a week, and who paid benefits (e.g., drug plans, visions, dental)"				
Yes No Missing	252 369 13	39.8 58.2 2.1	36.9 63.1	29.3 - 44.0 55.4 - 70.7
Did you receive any other employment benefits from your employer(s) such as a drug plan, vision, dental, life insurance etc.?				
Yes No Missing	176 438 20	27.8 69.1 3.2	25.9 74.1	18.6 - 33.2 66.8 - 81.4

Supplement 5. Results from the PEPSO Employment Precarity Index

Questions	Unweighted Counts	Unadjusted Estimates, %	RDS-II Adjusted Estimatesª, %	RDS-II Adjusted 95% CI
Did most of your employer(s) in the last 12 months provide a private retirement income plan such as a pension plan or a contribution to an RRSP (CPP does not count)?				
Yes No Missing	226 386 22	35.7 60.9 3.5	32.8 67.2	25.2 - 40.5 59.5 - 74.8
Do you usually get paid if you miss a day's work				
Yes No Missing	76 547 11	12.0 86.3 1.7	10.5 89.5	6.7 - 14.2 85.8 - 93.3
In the last 12 months, how much did your income vary from week to week?				
Some/Little/None A lot/A great deal Missing	457 164 13	72.1 25.9 2.1	71.2 28.8	62.3 - 80.2 19.8 - 37.7
How likely did you think your total hours of paid employment be reduced in the next 6 months?				
Not likely at all Not likely Somewhat likely Likely	74 168 138 135	11.7 26.5 21.8 21.3	12.9 29.4 21.4 19.3	7.8 - 18.1 21.3 - 37.4 14.6 - 28.3 11.6 - 27.0
Very likely Missing	98 21	15.5 3.3	17.0	11.2 - 22.7
In the last 12 months, how often did you work on an on- call basis?				
Half the time/Some of the time/ Never	417	65.8	65.1	56.9 - 73.3
<i>Most of the time/All the time</i> Missing	205 12	32.3 1.9	34.9	26.7 - 43.1

Questions	Unweighted Counts	Unadjusted Estimates, %	RDS-II Adjusted Estimatesª, %	RDS-II Adjusted 95% CI
In the last 12 months, how				
often did you know your				
work schedule at least one				
week in advance?	104	20 (21.0	24.1 20.0
Half the time/Some of the time/Never	194	30.6	31.9	24.1 - 39.3
Most of the time/All the time	413	65.1	68.1	60.2 - 75.9
Most of the time/Att the time Missing	27	4.3	00.1	00.2 - 73.
In the last 12 months, what	21	т.5		
portion of your employment				
income was received in cash?				
Less than half/None	585	92.3	92.6	85.5 - 99.
About half/Most	37	5.8	7.4	0.3 - 14.5
Missing	12	1.9		
How likely would most of				
your employment be				
negatively affected (e.g., laid				
off, given less hours) if you				
raised a health and safety				
concern or raised an				
employment rights concern				
(e.g., harassment by clients				
or colleagues) with your				
employer(s)?	252			17.0 (5
Not likely/Not likely at all	353	55.7	56.5	47.9 - 65.
Somewhat likely/Likely	261	41.2	43.5	34.8 - 52.
Missing	20	3.2		

^aMissing data was not included in the distribution of percent estimates.

Statements	Unweighted Counts	Unadjusted Estimates,	RDS-II Adjusted	RDS-II Adjusted
"At my workplace		%	Estimates ^a , %	95% CI ^b
I feel free to voice concerns				
or make suggestions about				
workplace health and safety				
at my job."				
Strongly Agree	245	38.6	41.4	33.2 - 49.5
Agree	295	46.5	44.0	35.9 - 52.1
Disagree	55	8.7	9.9	5.2 - 14.7
Strongly Disagree	19	3	4.7	0.0 - 11.9
If I notice a workplace				
hazard, I would point it out to management."				
Strongly Agree	333	52.5	58.6	50.1 - 67.1
Agree	254	40.1	37.7	29.8 - 45.7
Disagree	15	2.4	3.4	0.0 - 9.2
Strongly Disagree	3	0.5	0.3	0.1 - 0.4
I know that I can stop work				
if I think something is unsafe				
and management will not				
give me a hard time."				
Strongly Agree	249	39.3	40.0	31.6 - 48.3
Agree	256	40.4	41.3	32.4 - 50.2
Disagree	78	12.3	15.7	8.7 - 22.7
Strongly Disagree	18	2.8	3.1	1.4 - 4.7
If my work environment was				
unsafe, I would not say				
anything, and hope that the				
situation eventually				
improves."				
Strongly Agree	32	5.1	4.8	0.0 - 10.5
Agree	62	9.8	11.3	2.9 - 19.8
Disagree	227	35.8	36.5	29.2 - 43.8
Strongly Disagree	276	43.5	47.4	38.7 - 56.1
I have enough time to				-
complete my work tasks				
safely."				
Strongly Agree	180	28.4	30.20	22.2 - 38.2
Agree	314	49.5	53.50	44.7 - 62.2
Disagree	73	11.5	13.10	7.8 - 18.3
Strongly Disagree	27	4.3	3.20	2.1 - 4.4

Supplement 6. Results from the OHS Vulnerability Measure

^aMissing data was not included in the distribution of percent estimates.

^bNegative values were truncated at 0.0.

Over the last 2 weeks, how often have you been bothered by the following problems?%Estimates ^a , %95% d"Little interest or pleasure in doing things""7944.045.036.6 - 5Several days19330.434.125.1 - 4More than half the days8413.314.37.7 - 20Nearly every day436.86.62.5 - 10Missing355.5"5.5"Feeling down, depressed or hopeless"Not at all31950.353.344.5 - 6More than half the days6510.310.46.5 - 14More than half the days6510.310.46.5 - 14More than half the days6510.310.46.5 - 14Missing416.53.81.4 - 6Missing416.53.81.4 - 6	Over the last 2 weeks, how often have you been bothered by the following problems?%Estimates ^a , %95% of 95% of 	Unweighted Counts	Unadjusted Estimates,	RDS-II Adjusted	RDS-l Adjust
"Little interest or pleasure in doing things" Not at all 279 44.0 45.0 $36.6 - 5$ Several days 193 30.4 34.1 $25.1 - 4$ More than half the days 84 13.3 14.3 $7.7 - 24$ Nearly every day 43 6.8 6.6 $2.5 - 16$ Missing 35 5.5 5.5 "Feeling down, depressed or hopeless" $Not at all$ 319 50.3 53.3 $44.5 - 6$ Several days 177 27.9 32.4 $23.5 - 4$ More than half the days 65 10.3 10.4 $6.5 - 16$ Nearly every day 32 5.1 3.8 $1.4 - 6$ Missing 41 6.5 65 65	"Little interest or pleasure in doing things" Not at all 279 44.0 45.0 36.6 - 5 Several days 193 30.4 34.1 25.1 - 4 More than half the days 84 13.3 14.3 7.7 - 2 Nearly every day 43 6.8 6.6 2.5 - 1 Missing 35 5.5 5.5 "Feeling down, depressed or hopeless" Not at all 319 50.3 53.3 44.5 - 6 Several days 177 27.9 32.4 23.5 - 4 More than half the days 65 10.3 10.4 6.5 - 1 Nearly every day 32 5.1 3.8 1.4 - 6 Missing 41 6.5 6.5 6.5 aMissing data was not included in the distribution of percent estimates.	Counts			95% C
Several days 193 30.4 34.1 25.1 - 4 More than half the days 84 13.3 14.3 7.7 - 24 Nearly every day 43 6.8 6.6 2.5 - 16 Missing 35 5.5 7 "Feeling down, depressed or hopeless" Not at all 319 50.3 53.3 44.5 - 6 Several days 177 27.9 32.4 23.5 - 4 More than half the days 65 10.3 10.4 6.5 - 14 More than half the days 65 10.3 10.4 6.5 - 14 Missing 41 6.5 3.8 1.4 - 6 Missing 41 6.5 6.5 6.5	Several days 193 30.4 34.1 25.1 - 4 More than half the days 84 13.3 14.3 7.7 - 2 Nearly every day 43 6.8 6.6 2.5 - 1 Missing 35 5.5 7 "Feeling down, depressed or hopeless" Not at all 319 50.3 53.3 44.5 - 6 Several days 177 27.9 32.4 23.5 - 4 More than half the days 65 10.3 10.4 6.5 - 1 Nearly every day 32 5.1 3.8 1.4 - 6 Missing 41 6.5 65 65 ***********************************				
More than half the days8413.314.3 $7.7 - 20$ Nearly every day43 6.8 6.6 $2.5 - 10$ Missing35 5.5 5.5 "Feeling down, depressedor hopeless"Not at all319 50.3 53.3 $44.5 - 6$ Several days17727.9 32.4 $23.5 - 4$ More than half the days 65 10.3 10.4 $6.5 - 16$ Nearly every day 32 5.1 3.8 $1.4 - 6$ Missing41 6.5 6.5 10.3 10.4	More than half the days 84 13.3 14.3 $7.7 - 2$ Nearly every day 43 6.8 6.6 $2.5 - 1$ Missing 35 5.5 5.5 "Feeling down, depressed or hopeless"Not at all 319 50.3 53.3 44.5 - 6Several days 177 27.9 32.4 More than half the days 65 10.3 10.4 More than half the days 65 10.3 10.4 Missing 41 6.5 6.5 a 14.6 14.6 Missing 41 6.5	279	44.0	45.0	36.6 - 5
Nearly every day 43 6.8 6.6 $2.5 - 16$ Missing 35 5.5 "Feeling down, depressed or hopeless" 319 50.3 53.3 $44.5 - 6$ Not at all 319 50.3 53.3 $44.5 - 6$ Several days 177 27.9 32.4 $23.5 - 4$ More than half the days 65 10.3 10.4 $6.5 - 16$ Nearly every day 32 5.1 3.8 $1.4 - 6$ Missing 41 6.5 65 65	Nearly every day436.86.6 $2.5 - 1$ Missing35 5.5 "Feeling down, depressed or hopeless" 5.5 $44.5 - 6$ Not at all319 50.3 53.3 $44.5 - 6$ Several days177 27.9 32.4 $23.5 - 4$ More than half the days65 10.3 10.4 $6.5 - 1$ Nearly every day 32 5.1 3.8 $1.4 - 6$ Missing41 6.5 6.5	193	30.4	34.1	25.1 - 4
Missing 35 5.5 "Feeling down, depressed or hopeless" 319 50.3 53.3 44.5 - 6 Several days 177 27.9 32.4 23.5 - 4 More than half the days 65 10.3 10.4 6.5 - 1-4 Nearly every day 32 5.1 3.8 1.4 - 6 Missing 41 6.5 a Missing 41 6.5	Missing 35 5.5 "Feeling down, depressed or hopeless" 319 50.3 53.3 44.5 - 6 Not at all 319 50.3 53.3 44.5 - 6 Several days 177 27.9 32.4 23.5 - 4 More than half the days 65 10.3 10.4 6.5 - 1 Nearly every day 32 5.1 3.8 1.4 - 6 Missing 41 6.5 aMissing data was not included in the distribution of percent estimates. 65 65	84	13.3	14.3	7.7 - 20
"Feeling down, depressed or hopeless" Not at all 319 50.3 53.3 44.5 - 6 Several days 177 27.9 32.4 23.5 - 4 More than half the days 65 10.3 10.4 6.5 - 14 Nearly every day 32 5.1 3.8 1.4 - 6 Missing 41 6.5 65 6.5	"Feeling down, depressed or hopeless" Not at all 319 50.3 53.3 44.5 - 6 Several days 177 27.9 32.4 23.5 - 4 More than half the days 65 10.3 10.4 6.5 - 1 Nearly every day 32 5.1 3.8 1.4 - 6 Missing 41 6.5 6.5 6.5	43	6.8	6.6	2.5 - 10
or hopeless" Not at all 319 50.3 53.3 44.5 - 6 Several days 177 27.9 32.4 23.5 - 4 More than half the days 65 10.3 10.4 6.5 - 14 Nearly every day 32 5.1 3.8 1.4 - 6 Missing 41 6.5 6.5 6.5	or hopeless" Not at all 319 50.3 53.3 44.5 - 6 Several days 177 27.9 32.4 23.5 - 4 More than half the days 65 10.3 10.4 6.5 - 1 Nearly every day 32 5.1 3.8 1.4 - 6 Missing 41 6.5 6.5 6.5	35	5.5		
Not at all 319 50.3 53.3 $44.5 - 6$ Several days 177 27.9 32.4 $23.5 - 4$ More than half the days 65 10.3 10.4 $6.5 - 14$ Nearly every day 32 5.1 3.8 $1.4 - 6$ Missing 41 6.5	Not at all 319 50.3 53.3 $44.5 - 6$ Several days 177 27.9 32.4 $23.5 - 4$ More than half the days 65 10.3 10.4 $6.5 - 1$ Nearly every day 32 5.1 3.8 $1.4 - 6$ Missing 41 6.5				
More than half the days6510.310.4 $6.5 - 1.4$ Nearly every day32 5.1 3.8 $1.4 - 6$ Missing41 6.5 ^a Missing data was not included in the distribution of percent estimates.	More than half the days6510.310.46.5 - 1Nearly every day32 5.1 3.8 $1.4 - 6$ Missing41 6.5	319	50.3	53.3	44.5 - 6
Nearly every day Missing 32 41 5.1 6.5 3.8 1.4 - 6 ^a Missing data was not included in the distribution of percent estimates.	Nearly every day Missing 32 41 5.1 6.5 3.8 1.4 - 6 ^a Missing data was not included in the distribution of percent estimates.	177	27.9	32.4	23.5 - 4
Missing 41 6.5 ^a Missing data was not included in the distribution of percent estimates.	Missing 41 6.5 aMissing data was not included in the distribution of percent estimates.	65	10.3	10.4	6.5 - 14
^a Missing data was not included in the distribution of percent estimates.	^a Missing data was not included in the distribution of percent estimates.	32	5.1	3.8	1.4 - 6
	Ċ.	41	6.5		
		n the distributior	Q.	imates.	
			279 193 84 43 35 319 177 65 32 41	Counts Estimates, $\frac{9}{6}$ 279 44.0 193 30.4 84 13.3 43 6.8 35 5.5 319 50.3 177 27.9 65 10.3 32 5.1 41 6.5 a the distribution of percent est	CountsEstimates, $\%$ Adjusted Estimates ^a , %27944.045.019330.434.18413.314.3436.86.6355.531950.353.317727.932.46510.310.4325.13.8416.5