Appendix III: Supplementary Tables S1, S2

Table S1.

Estimates and 95% confidence intervals (CI) from linear regression models for perceived stress

(PSS) and quality of life (QoL) of animal health workers in Canada during the COVID-19

pandemic (August to December 2020).

Variables	Crude estimate (95% CI)	Adjusted estimate (95% CI)	Confounders included in models
PSS			
Animal health technician (vs veterinarian)	2.36 (1.11; 3.60)	0.96 (-0.38; 2.29)	Gender and age
Experience (y)			
Less than 5	Ref.	Ref.	Gender
5 to 10	-1.30 (-2.91; 0.31)	-1.03 (-2.63; 0.57)	
11 to 15	-1.69 (-3.46; 0.07)	-1.59 (-3.35; 0.17)	
16 to 20	-2.34 (-4.28; -0.40)	**-1.97 (-3.91; -0.02)**	
21 or more	-4.89 (-6.62; -3.15)	**-4.15 (-5.91; -2.39)**	
Work schedule			
Did not work	Ref.	Ref.	Age, gender, occupation, and region
Worked part-time	-4.16 (-7.54; -0.78)	-2.05 (-5.41; 1.32)	
Worked < 40 h/wk	-3.59 (-6.87; -0.31)	-1.93 (-5.18; 1.33)	
Worked 40 to 50 h/wk	-3.04 (-6.18; 0.10)	-2.01 (-5.10; 1.09)	
Worked > 50 h/wk	-3.33 (-6.98; 0.32)	-0.85 (-4.47; 2.76)	
Sufficient knowledge about COVID-19	-0.31 (-0.92; 0.30)	0.11 (-0.50; 0.72)	Age and occupation

Worrying about COVID-19	0.38 (-0.37; 1.13)	n.a.	
Perceived susceptibility to COVID-19	-0.07 (-1.07; 0.93)	-0.74 (-1.76; 0.28)	Age, occupation, and worrying about COVID-19
Perceived effectiveness of measures against COVID-19	-0.36 (-1.52; 0.79)	-1.02 (-2.26; 0.23)	Region, working hours, and worrying about COVID-19
Adoption of measures against COVID-19	-3.35 (-4.74; -1.96)	**-2.81** **(-4.18; -1.44)**	Age
Increase in new clients	2.50 (1.07; 3.92)	1.24 (-0.19; 2.67)	Age, gender, and occupation
Increase in new client refusal	1.90 (0.69; 3.12)	**1.56** **(0.36; 2.76)**	Occupation and increase in new clients
Increase in treatment refusal	1.91 (0.53; 3.29)	0.57 (-0.82; 1.95)	Age, gender, occupation, and increase in new clients
Increase of euthanasia	2.27 (0.84; 3.69)	**1.44** **(0.04; 2.83)**	Age, occupation, and increase in new clients
QoL utility score			
Animal health technician (vs veterinarian)	-0.05 (-0.07; -0.03)	**-0.05** **(-0.07; -0.03)**	Gender
Experience (y)			
Less than 5	Ref.	Ref.	Gender
5 to 10	0.02 (-0.01; 0.05)	0.01 (-0.02; 0.05)	
11 to 15	-0.01 (-0.04; 0.03)	-0.01 (-0.04; 0.02)	
16 to 20	0.02 (-0.02; 0.06)	0.02 (-0.02; 0.05)	
21 years or more	0.05 (0.01; 0.08)	0.04 (0; 0.07)	
Work schedule			
Did not work	Ref.	Ref.	Age and occupation
Worked part-time	0.01 (-0.05; 0.08)	0 (-0.07; 0.06)	
Worked < 40 h/wk	0.02 (-0.04; 0.09)	0.02 (-0.05; 0.08)	
Worked 40 to 50 h/wk	0.01 (-0.06; 0.07)	0 (-0.05; 0.06)	

Worked > 50 h/wk	0.01 (-0.06; 0.08)	-0.01 (-0.08; 0.06)	
Sufficient knowledge about COVID-19	0.008 (-0.004; 0.019)	-0.001 (-0.013; 0.011)	Age
Worrying about COVID-19	-0.017 (-0.031; -0.003)	n.a.	
Perceived susceptibility to COVID-19	-0.009 (-0.028; 0.010)	0.006 (-0.013; 0.026)	Occupation and worrying about COVID-19
Perceived effectiveness of measures against COVID-19	-0.008 (-0.030; 0.014)	0.001 (-0.022; 0.024)	Worrying about COVID-19
Adoption of measures against COVID-19	0.022 (-0.004; 0.049)	0.014 (-0.013; 0.041)	Age and worrying about COVID-19
Increase in new clients	-0.026 (-0.053; 0.001)	-0.014 (-0.041; 0.013)	Occupation
Increase in new client refusal	-0.019 (-0.042; 0.004)	-0.014 (-0.037; 0.009)	Occupation
Increase in treatment refusal	-0.009 (-0.035; 0.018)	0.001 (-0.025; 0.027)	Gender and occupation
Increase of euthanasia	-0.016 (-0.043; 0.011)	-0.008 (-0.035; 0.019)	Occupation

Table S2.

Odds ratio (OR) and 95% confidence intervals (CI) obtained from logistic regression models for

3 tools measuring the professional quality of life (ProQoL) of animal health workers in Canada

during the COVID-19 pandemic (August to December 2020).

Variables	Crude OR (95% CI)	Adjusted OR (95% CI)	Confounders included in models
Low compassion satisfaction			
Animal health technician (vs veterinarian)	0.87 (0.57; 1.33)	0.70 (0.43; 1.15)	Age and region
Experience (y)			
Less than 5	Ref.	Ref.	Region
5 to 10	0.76 (0.43; 1.31)	0.72 (0.41; 1.26)	
11 to 15	0.67 (0.36; 1.23)	0.61 (0.31; 1.13)	
16 to 20	0.68 (0.34; 1.33)	0.66 (0.33; 1.29)	
21 or more	0.47 (0.24; 0.88)	0.40 (0.20; 0.76)	
Work schedule			
Did not work	Ref.	Ref.	Age and region
Worked part-time	0.50 (0.16; 1.46)	0.54 (0.17; 1.66)	
Worked < 40 h/wk	0.32 (0.10; 0.91)	**0.34 (0.11; 1.00)**	
Worked 40 to 50 h/wk	0.24 (0.08; 0.65)	**0.21 (0.07; 0.59)**	
Worked > 50 h/wk	0.27 (0.08; 0.89)	**0.29 (0.08; 0.99)**	
Sufficient knowledge about COVID-19	1.12 (0.91; 1.38)	1.13 (0.91; 1.40)	Experience and region
Worrying about COVID-19	0.98 (0.76; 1.27)	n.a.	
Perceived susceptibility to COVID-19	0.57 (0.40; 0.80)	**0.88 (0.82; 0.95)**	Age and region

Perceived effectiveness of measures against COVID-19	0.66 (0.45; 0.97)	0.67 (0.43; 1.03)	Perceived susceptibility, work schedule, and region
Adoption of measures against COVID-19	0.45 (0.28; 0.74)	**0.40 (0.24; 0.68)**	Work schedule and region
Increase in new clients	0.93 (0.58; 1.52)	0.87 (0.52; 1.47)	Experience and region
Increase in new client refusal	1.17 (0.78; 1.78)	1.40 (0.90; 2.18)	Region
Increase in treatment refusal	1.24 (0.78; 1.96)	1.06 (0.65; 1.72)	Experience
Increase of euthanasia	1.22 (0.75; 1.95)	1.10 (0.67; 1.78)	Experience
High burnout			
Animal health technician (vs veterinarian)	1.05 (0.69; 1.59)	0.85 (0.52; 1.38)	Gender, age, and region
Experience (y)			
Less than 5	Ref.	Ref.	Region
5 to 10	1.00 (0.57; 1.78)	0.98 (0.55; 1.75)	
11 to 15	0.67 (0.37; 1.22)	0.60 (0.33; 1.12)	
16 to 20	0.67 (0.35; 1.31)	0.66 (0.34; 1.29)	
21 years or more	0.50 (0.28; 0.89)	0.43 (0.24; 0.79)	
Work schedule			
Did not work	Ref.	Ref.	Gender, experience, and region
Worked part-time	0.11 (0.01; 0.62)	**0.13 (0.01; 0.75)**	
Worked < 40 h/wk	0.11 (0.01; 0.60)	**0.15 (0.01; 0.79)**	
Worked 40 to 50 h/wk	0.12 (0.01; 0.62)	**0.13 (0.01; 0.65)**	
Worked > 50 h/wk	0.08 (0.01; 0.45)	**0.10 (0.01; 0.60)**	

Sufficient knowledge about COVID-19	1.12 (0.92; 1.37)	1.14 (0.93; 1.40)	Experience and region
Worrying about COVID-19	1.07 (0.84; 1.37)	n.a.	
Perceived susceptibility to COVID-19	0.64 (0.45; 0.90)	**0.89 (0.82; 0.96)**	Age, worrying about COVID-19, and region
Perceived effectiveness of measures against COVID-19	0.58 (0.38; 0.87)	**0.52 (0.32; 0.84)**	Hours worked, worrying about COVID-19, perceived susceptibility, and region
Adoption of measures against COVID-19	0.34 (0.19; 0.58)	**0.31 (0.16; 0.57)**	Age, Work schedule, and region
Increase in new clients	1.13 (0.71; 1.80)	1.07 (0.65; 1.75)	Experience and region
Increase in new client refusal	1.06 (0.71; 1.58)	1.21 (0.79; 1.85)	Region
Increase in treatment refusal	1.30 (0.82; 2.08)	1.11 (0.68; 1.82)	Experience
Increase of euthanasia	2.10 (1.27; 3.59)	**1.93 (1.16; 3.32)**	Experience
High secondary traumatic stress			
Animal health technician (vs veterinarian)	1.06 (0.62; 1.77)	0.86 (0.48; 1.50)	Gender
Experience (y)			
Less than 5	Ref.	Ref.	Gender
5 to 10	0.75 (0.37; 1.56)	0.81 (0.39; 1.70)	
11 to 15	0.66 (0.31; 1.44)	0.66 (0.31; 1.45)	
16 to 20	0.63 (0.28; 1.47)	0.76 (0.33; 1.86)	
21 or more	0.70 (0.33; 1.53)	0.93 (0.42; 2.12)	
Work schedule			
Did not work	Ref.	Ref.	Gender
Worked part-time	0.28 (0.01; 1.57)	0.31 (0.02; 1.81)	

Worked < 40 h/wk	0.31 (0.02; 1.72)	0.39 (0.02; 2.21)	
Worked 40 to 50 h/wk	0.33 (0.02; 1.69)	0.37 (0.02; 1.94)	
Worked > 50 h/wk	0.22 (0.01; 1.35)	0.34 (0.02; 2.23)	
Sufficient knowledge about COVID-19	0.90 (0.69; 1.16)	0.92 (0.70; 1.18)	Region
Worrying about COVID-19	0.97 (0.71; 1.33)	n.a.	
Perceived susceptibility to COVID-19	1.07 (0.70; 1.60)	1.01 (0.95; 1.01)	Age
Perceived effectiveness of measures against COVID-19	1.03 (0.63; 1.64)	1.00 (0.59; 1.62)	Work schedule
Adoption of measures against COVID-19	0.59 (0.28; 1.12)	0.59 (0.28; 1.14)	Region
Increase in new clients	2.46 (1.42; 4.22)	**2.40 (1.38; 4.12)**	Gender
Increase in new client refusal	1.39 (0.84; 2.32)	1.28 (0.76; 2.16)	Increase in new clients
Increase in treatment refusal	1.44 (0.79; 2.74)	1.19 (0.65; 2.31)	Gender and increase in new clients
Increase of euthanasia	1.68 (0.89; 3.41)	1.52 (0.79; 3.10)	Increase in new clients