

Supplemental Digital Content 2

Pooled odds ratio for the relationship between work exposure and SARS-CoV-2 positive test among healthcare workers in Vancouver Coastal Health (March 2020-March 2021)

Variable	Cases (n)	Controls (n)	Crude OR (95% CI)	Adjusted OR† (95% CI)
n: 268 cases, 1072 controls				
Direct COVID-19 patient care role				
<i>No</i>	185	753	1 (ref)	1 (ref)
<i>Yes</i>	81	317	1.04(0.78 - 1.39)	1.05(0.76 – 1.45)
Close contact with known COVID-19 patient				
<i>No / unknown</i>	204	844	1(ref)	1(ref)
<i>< 10 times</i>	21	78	1.11(0.66 - 1.81)	1.15(0.68 – 1.96)
<i>10 - 50 times</i>	18	38	1.96(1.07 – 3.45)	1.67(0.91 – 3.07)
<i>> 50 times</i>	8	15	2.20(0.88 – 5.15)	2.12(0.81 – 5.53)
Direct contact with patient's materials				
<i>No / unknown</i>	133	555	1(ref)	1(ref)
<i>Yes</i>	117	417	1.17(0.89 - 1.55)	1.11(0.82 – 1.50)
Present for aerosol generating procedure on COVID-19 patient				
<i>No</i>	233	909	1(ref)	1(ref)
<i>Yes</i>	11	35	1.22(0.59 – 2.37)	1.19(0.59 – 2.43)
<i>Unknown</i>	7	31	0.88(0.35 – 1.91)	0.78(0.34 – 1.81)
Work site				
<i>Acute care</i>	101	470	1(ref)	1(ref)
<i>Community</i>	133	473	1.31(0.98 – 1.74)	1.29(0.94 – 1.77)
<i>Long-term care</i>	34	129	1.22(0.78 – 1.87)	0.85(0.51 – 1.41)
Extended close contact with coworker (within 2m for 15 minutes or more)				
<i>No</i>	112	345	1(ref)	1(ref)
<i>Yes</i>	146	679	0.66(0.50 - 0.87)	0.65(0.49 – 0.87)
Made aware that close-worker contact tested positive afterwards				
<i>No close contact with coworker</i>	112	345	1(ref)	1(ref)
<i>Contact, coworker not positive</i>	126	538	0.72(0.54 – 0.96)	0.73(0.54 – 0.98)
<i>Contact with positive coworker</i>	19	133	0.44(0.25 – 0.73)	0.39(0.23 – 0.68)
Work involves contact with patient's materials, belongings, or equipment				
<i>No</i>	60	205	1(ref)	1(ref)
<i>Yes</i>	165	676	0.84(0.60 – 1.17)	0.80(0.55 – 1.16)
<i>No response</i>	43	191	0.77(0.49 – 1.19)	0.70(0.40 – 1.19)
Experienced difficulty getting any PPE				
<i>No</i>	167	713	1(ref)	1(ref)
<i>Yes</i>	25	61	1.75(1.05 – 2.83)	1.84(1.07 – 3.17)
Reused PPE on account of an inadequate supply				
<i>No</i>	156	646	1(ref)	1(ref)
<i>Yes</i>	36	128	1.16(0.76 – 1.74)	1.18(0.77 – 1.80)

† Adjusted for categorical age, gender, race, occupation, and number of weeks since pandemic declared.

ref=Reference group. PPE: Personal protective equipment.