

Table 3. Associations between patient factors and PHQ-9 screening outcome

Patient factor	PHQ+ve, n(%)	PHQ-ve, n(%)	χ^2 (df)	Multiple logistic regression (<i>n</i> = 7675) ^a	
				Wald χ^2 (df) ^b / Adj. OR (95% CI)	
Gender			44.41 (1)**	<i>11.24 (1)**</i>	<i>4.55 (1)*</i>
Male	336 (32.4)	3721 (43.2)		1.00	1.00
Female	702 (67.6)	4897 (56.8)		1.36 (1.14 - 1.62)	1.22 (1.02 - 1.46)
Age group			17.11 (2)**	<i>9.99 (2)**</i>	<i>11.89 (2)**</i>
18-34 yrs	316 (31.1)	2201 (26.0)		1.00	1.00
35-54 yrs	371 (36.5)	3045 (35.9)		0.95 (0.76 - 1.18)	0.87 (0.70 - 1.09)
55+ yrs	329 (32.4)	3232 (38.1)		0.63 (0.46 - 0.87)	0.58 (0.42 - 0.80)
Education			0.45 (1)	<i>0.01 (1)</i>	<i>0.09 (1)</i>
Secondary or above	772 (75.0)	6514 (75.9)		1.00	1.00
Primary or no formal education	258 (25.0)	2069 (24.1)		0.99 (0.78 - 1.25)	1.04 (0.82 - 1.32)
Marital status			71.62 (1)**	<i>28.18 (1)**</i>	<i>24.14 (1)**</i>
Married	508 (49.3)	5394 (62.9)		1.00	1.00
Single/Separated/Divorced/Widowed	523 (50.7)	3188 (37.1)		1.62 (1.35 - 1.93)	1.57 (1.31 - 1.88)
Working Status			83.98 (4)**	<i>32.09 (4)**</i>	<i>22.70 (4)**</i>
Employed	582 (57.6)	5395 (63.5)		1.00	1.00
Unemployed	48 (4.7)	116 (1.4)		2.74 (1.79 - 4.18)	2.31 (1.48 - 3.60)
Retired	201 (19.8)	1833 (21.6)		0.97 (0.72 - 1.31)	0.95 (0.70 - 1.29)
House-maker	129 (12.7)	899 (10.6)		1.33 (1.01 - 1.75)	1.30 (0.98 - 1.73)
Student	52 (5.1)	248 (2.9)		1.70 (1.17 - 2.47)	1.62 (1.11 - 2.37)
Household monthly income			75.00 (1)**	<i>28.93 (1)**</i>	<i>27.23 (1)**</i>
More than HK\$30,000	220 (24.6)	2951 (39.4)		1.00	1.00
HK\$30,000 or below	676 (75.4)	4539 (60.6)		1.66 (1.38 - 2.00)	1.65 (1.37 - 2.00)
Ethnicity			0.01 (1)	<i>1.08 (1)</i>	<i>0.16 (1)</i>
Chinese	1039 (96.3)	8471 (96.3)		1.00	1.00
Non-Chinese	40 (3.7)	321 (3.7)		1.27 (0.81 - 1.98)	1.10 (0.69 - 1.74)
Smoking habit			19.24 (1)**	<i>10.09 (1)**</i>	<i>8.90 (1)**</i>
Non- or ex-smoker	847 (82.6)	7511 (87.4)		1.00	1.00
Current smoker	179 (17.4)	1079 (12.6)		1.44 (1.15 - 1.81)	1.42 (1.13 - 1.79)
Alcohol use			0.18 (1)	<i>0.40 (1)</i>	<i>0.26 (1)</i>
Less than once a week or never	904 (87.9)	7510 (87.4)		1.00	1.00
More than once a week	125 (12.1)	1084 (12.6)		1.08 (0.85 - 1.39)	1.07 (0.83 - 1.38)
Regular exercise pattern			57.12 (1)**	<i>29.46 (1)**</i>	<i>28.34 (1)**</i>
Yes	647 (63.2)	6361 (74.3)		1.00	1.00
No exercise at all	377 (36.8)	2204 (25.7)		1.58 (1.34 - 1.86)	1.58 (1.33 - 1.86)
Seen a doctor in past 4 weeks			94.67 (1)**	<i>41.12 (1)**</i>	<i>30.88 (1)**</i>
No	356 (33.0)	4276 (48.7)		1.00	1.00
More than once	723 (67.0)	4512 (51.3)		1.70 (1.45 - 2.00)	1.60 (1.36 - 1.89)
Seen a TCM practitioner in past 4 weeks			87.93 (1)**	<i>32.20 (1)**</i>	<i>31.28 (1)**</i>
No	751 (69.6)	7176 (81.6)		1.00	1.00
More than once	328 (30.4)	1615 (18.4)		1.70 (1.41 - 2.03)	1.70 (1.41 - 2.05)
Disease co-morbidity			71.11 (2)**	<i>63.57 (2)**</i>	<i>48.96 (2)**</i>
None	437 (42.3)	4319 (50.2)		1.00	1.00
One	223 (21.6)	2207 (25.7)		1.25 (1.01 - 1.55)	1.19 (0.96 - 1.48)
Two or more	374 (36.2)	2071 (24.1)		2.45 (1.95 - 3.08)	2.22 (1.76 - 2.80)
Family history mental illness			37.88 (1)**	<i>31.05 (1)**</i>	<i>16.62 (1)**</i>
No	869 (85.8)	7716 (91.6)		1.00	1.00
Yes	144 (14.2)	704 (8.4)		1.89 (1.51 - 2.36)	1.62 (1.28 - 2.04)
Service sector			8.37 (1)**	<i>2.49 (1)</i>	<i>2.29 (1)</i>
Public	318 (29.5)	2232 (25.4)		1.00	1.00
Private	761 (70.5)	6560 (74.6)		0.85 (0.70 - 1.04)	0.85 (0.70 - 1.05)
Self-reported depression history^c			420.70 (1)**		<i>125.97 (1)**</i>
No	795 (78.0)	8104 (95.1)			1.00
Yes	224 (22.0)	420 (4.9)			4.10 (3.20 - 5.24)
Self-reported other mental illness history^c			110.70 (1)**		<i>4.82 (1)*</i>
No	888 (91.1)	8195 (97.4)			1.00
Yes	87 (8.9)	219 (2.6)			1.51 (1.05 - 2.17)

* *p* < .05; ** *p* < .01

^a Model Chi-square = 546.73, df = 22, *p* < .001; Nagelkerke R-square = 0.143; Hosmer & Lemeshow Test, Chi-square = 14.42, df = 8, *p* = 0.072

^b Wald test statistics are shown in italic.

^c Factors entered in second block of the regression model; Block Chi-square = 141.46, df = 2, *p* < .001.