

Multi-logistic regression for prevalence of OHIP

		Model 1 OR (95% CI)	Model 2 OR (95% CI)	Model 3 OR (95% CI)	Model 4 OR (95% CI)	Model 5 OR (95% CI)
Age	35-44	Ref	Ref	Ref	Ref	Ref
	45-54	1.299 (0.805- 2.094)	1.371 (0.833- 2.257)	1.300 (0.778-2.172)	1.212 (0.759-1.933)	1.34 (0.83-2.15)
Sex	Male	Ref	Ref	Ref	Ref	Ref
	Female	1.806 (1.175- 2.777)	1.816 (1.123- 2.937)	1.754 (1.067-2.884)	1.584 (0.954-2.631)	1.49 (0.89-2.5)
Education	Post-secondary		Ref	Ref	Ref	Ref
	Secondary		1.739 (0.893- 3.386)	1.681 (0.855- 3.307)	1.576 (0.836-2.971)	1.54 (0.80-2.95)
	Primary/less		2.279 (1.197- 4.339)	2.266 (1.182- 4.114)	2.313 (1.239-4.319)	2.44 (1.26-4.71)
Income	High		Ref	Ref	Ref	Ref
	Low-middle		1.648 (0.990- 2.744)	1.611 (0.953-2.722)	1.712 (1.020-2.873)	1.77 (1.05-2.96)
Stress in previous 2 yrs	None			Ref	Ref	Ref
	Some/a little			1.449 (0.913-2.300)	1.515 (0.953-2.410)	1.47 (0.92-2.35)
	All/most			1.429 (0.702-2.909)	1.564 (0.802-3.052)	1.63 (0.81-3.28)
No. of functional teeth	≤19				1.788 (1.136-2.813)	1.82(1.08-3.06)
	≥20				Ref	Ref
Presence of one or more dental problems	Yes				1.704 (1.029-2.822)	1.27 (0.73-2.20)
	No				Ref	Ref
Last dental visit	Within previous 1 yr					2.39 (1.35-4.24)
	More than previous 1 yr/never					Ref

Note: Tobacco and alcohol uses are not included in the models since they were not associated with OHIP at bivariate level.

Model 1: Age + Sex

Model 2: Age + Sex +SES

Model 3: Age + Sex + SES + Stress

Model 4: Age + Sex + SES + Stress + Oral health status

Model 5: Age + Sex + SES + Stress + Oral health status + Dental visiting

Multi-logistic regression for extent of OHIP

		Model 1 β (95% CI)	Model 2 β (95% CI)	Model 3 β (95% CI)	Model 4 β (95% CI)	Model 5 β (95% CI)
Intercept		0.329 (0.126-0.533)	0.033 (-0.243-0.309)	-0.131(-0.394-0.131)	-0.146 (-0.413-0.122)	-0.278 (-0.521- -0.034)
Age	35-44	Ref	Ref	Ref	Ref	Ref
	45-54	0.134 (-0.150-0.419)	0.160 (-0.140-0.459)	0.140 (-0.167-0.446)	0.107 (-0.183-0.396)	0.143 (-0.132-0.417)
Sex	Male	Ref	Ref	Ref	Ref	Ref
	Female	0.350 (0.099-0 .600)	0.348 (0 .090-0.606)	0.335 (0.068-0.602)	0.319 (0.059-0.579)	0.280 (0.015-0.545)
Education	Post-secondary		Ref	Ref	Ref	Ref
	Secondary		0.143 (-0.098-0.384)	0.130 (-0.119-0.379)	0.099 (-0.128-0.326)	0.108 (-0.114-0.329)
	Primary/less		0.472 (0.128-0.816)	0.465 (0.123-0.808)	0.434 (0.095-0.774)	0.485 (0.135-0.835)
Income	High		Ref	Ref	Ref	Ref
	Low-middle		0.145 (-0.163-0.453)	0.099 (-0.216-0.414)	0.112 (-0.200-0.424)	0.127 (-0.177-0.431)
Stress in previous 2 yrs	None			Ref	Ref	Ref
	Some/a little			0.395 (0.142-0.647)	0.404 (0.157-0.650)	0.394 (0.154-0.634)
	All/most			0.504 (-0.056-1.064)	0.522 (-0.041-1.085)	0.538 (-0.031-1.106)
No. of functional teeth	≤19				0.222 (-0.160-0.604)	0.223 (-0.154- 0.601)
	≥20				Ref	Ref
Last dental visit	Within previous 1 yr					0.378 (0.029-0.721)
	More than previous 1 yr/never					Ref

Note: Tobacco and alcohol uses are not included in the models since they were not associated with OHIP at bivariate level.

Model 1: Age + Sex

Model 2: Age + Sex +SES

Model 3: Age + Sex + SES + Stress

Model 4: Age + Sex + SES + Stress + Oral health status

Model 5: Age + Sex + SES + Stress + Oral health status + Dental visiting

Multi-logistic regression for severity of OHIP

		Model 1 β (95% CI)	Model 2 β (95% CI)	Model 3 β (95% CI)	Model 4 β (95% CI)	Model 5 β (95% CI)
Intercept		10.496 (9.154-11.837)	9.371 (7.826-10.917)	8.229 (6.641-9.817)	6.230 (4.084-8.375)	5.960 (3.864-8.055)
Age	35-44	Ref	Ref	Ref	Ref	Ref
	45-54	1.293 (-0.317-2.904)	1.291 (-0.320-2.901)	1.107 (-0.587-2.801)	0.876 (-0.716-2.469)	1.201 (-0.312-2.714)
Sex	Male	Ref	Ref	Ref	Ref	Ref
	Female	1.803 (0.476-3.130)	1.646 (0.223-3.069)	1.573 (0.085-3.062)	1.064 (-.314- 2.442)	0.797 (-0.629-2.223)
Education	Post-secondary		Ref	Ref	Ref	Ref
	Secondary		1.636 (-0.085-3.357)	1.484 (-0.273-3.240)	1.439 (-1.360- 4.238)	1.435 (-0.255-3.125)
	Primary/less		1.146 (-1.671-3.964)	0.988 (-1.829-3.805)	1.426 (-.309- 3.161)	1.708 (-0.904-4.320)
Tobacco chewing status	Never				Ref	Ref
	Former				0.951 (-4.238-6.140)	0.890 (-4.111-5.891)
	Current				-0.604 (-1.530-2.737)	-0.434 (-2.416-1.549)
Stress in previous 2 yrs	None			Ref	Ref	Ref
	Some/a little			2.744 (1.153-4.335)	2.788 (1.273-4.302)	2.715 (1.213-4.219)
	All/most			2.395 (0.059-4.732)	2.621 (.319-4.923)	2.748 (0.421-5.076)
No. of functional teeth	≤19				1.853 (.145-3.561)	2.064 (0.475-3.654)
	≥20				Ref	Ref
Presence of one or more dental problems	Yes				2.459 (1.111-3.808)	0.867 (-0.79-2.512)
	No				Ref	Ref
Last dental visit	Within previous 1 yr					4.502 (3.020-5.984)
	More than previous 1					Ref

Note: Income and alcohol use was not included in the models since they were not associated with OHIP at bivariate level.

Model 1: Age + Sex

Model 2: Age + Sex +SES

Model 3: Age + Sex + SES + Stress

Model 4: Age + Sex + SES + Stress + Habit

Model 5: Age + Sex + SES + Stress + Habit + Oral health status + Dental visiting