

Supplementary material 2. Adjusted odd ratios (OR)[#] of respiratory symptoms by estimated daily intensity of pesticide exposure categories.

	Respiratory symptoms	Chronic cough	Chronic Phlegm	Wheeze	Shortness of breath
		OR 95% CI	OR 95% CI	OR 95% CI	OR 95% CI
First survey	Pesticide exposure				
	unexposed(n=497)	1.00	1.00	1.00	1.00
	exposed (n=588)	3.15** 1.56-6.36	2.02 0.58- 7.01	3.16 0.96- 10.47	6.67** 2.60-17.58
	Male applicators				
	Unexposed(n=250)	1.00	—	—	—
	< median (n=126)	7.11* 1.24-40.67	—	—	—
	≥ median (n=124)	7.74* 1.46-41.15	—	—	—
	Female re-entry workers				
	Unexposed(n=247)	1.00	1.00	1.00	1.00
	< median (n=132)	1.36 0.38-4.93	1.51 0.23-9.82	1.09 0.16- 7.35	2.36 0.46- 12.11
	≥ median (n=138)	3.07* 1.10-8.59	0.55 0.05- 5.71	2.01 0.41- 9.88	7.18* 1.92- 26.89
	Male re-entry workers				
	Unexposed(n=250)	1.00	—	—	—
	< median (n=35)	17.92** 2.84-113.11	—	—	—
	≥ median (n=33)	15.61** 2.49-97.64	—	—	—
Second survey	Respiratory symptoms	Chronic cough	Chronic Phlegm	Wheeze	Shortness of breath
		OR 95% CI	OR 95% CI	OR 95% CI	OR 95% CI
	Pesticide exposure				
	Unexposed(n=177)	1.00	1.00	1.00	1.00
	exposed (n=205)	5.76** 1.90-17.42	2.98 0.76-11.58	1.75 0.81-3.78	4.09*** 2.12-7.90
	Male applicators				
	Unexposed(n=112)	1.00	1.00	1.00	1.00
	< median (n=71)	9.35** 1.79-48.90	7.44* 1.22-45.64	1.98 0.55-7.15	3.06* 1.12-8.36
	≥ median (n=71)	13.07** 2.68-63.70	3.10 0.49-19.71	5.50** 1.77-17.04	6.51*** 2.56-16.54
	Female re-entry workers				
	Unexposed(n=65)	1.00	1.00	1.00	1.00
	< median (n=31)	3.26 0.32-33.31	0.96 0.03-26.34	0.90 0.17-4.80	5.70* 1.45-22.34
	≥ median (n=31)	5.40 0.64-45.22	—	0.80 0.13- 4.88	7.16** 1.84-27.94

(*) P<0.05(statistical significance), (-) No estimated odds ratio because of uncertainty in maximum likelihood as a result of small number of observations. The odd ratios were adjusted for gender (where relevant), age, smoking status, history of pneumonia, and income, marital and *Khat* chewing status *= $p < 0.05$ **= $p < 0.01$ ***= $P < 0.001$