

Supplementary material 4. Cumulative and daily intensity of pesticide exposure and lung function among all exposed workers, male applicators, and female re-entry workers. Effects are presented as a change in continuous measured lung function parameters (β) and as Odds Ratio[#] for a dichotomous variable.

Respiratory parameters		FVC(L)	FEV1(L)	FEV1 / FVC < 0.8	FEF 25-75(L/s)
		β 95% CI	β 95% CI	OR [#] 95% CI	β 95% CI
Cumulative exposure	Exposure status				
	unexposed (n=157)	1.00	1.00	1.00	1.00
	Exposed (n=159)	-0.02 -0.13_ 0.09	-0.11* -0.21_ -0.01	4.29*** 2.10_ 8.77	- 0.53*** -0.78_ -0.29
	Male applicators				
	unexposed (n=102)	1.00	1.00	1.00	1.00
	< median (n=46)	-0.01 -0.21_ 0.20	-0.16 -0.34_ 0.03	8.44** 2.38_ 30.00	-0.68** -1.14_ -0.23
	\geq median (n=57)	-0.04 -0.26_ 0.15	-0.13 -0.29_ 0.02	8.64*** 2.95_ 25.26	-0.58** -0.97_ -0.18
	Female re-entry workers				
	unexposed (n=55)	1.00	1.00	1.00	
	< median (n=29)	0.02 -0.19_ 0.23	-0.06 -0.25_ 0.13	2.45 0.59_ 9.88	-0.55* -0.98_ -0.11
\geq median (n=27)	-0.03 -0.25_ 0.17	-0.07 -0.26_ 0.11	1.31 0.33_ 5.17	-0.32 -0.76_ 0.10	
Daily exposure	Male applicators				
	unexposed (n=102)	1.00	1.00	1.00	1.00
	< median (n=46)	0.08 -0.09_ 0.26	-0.05 -0.21_ 0.11	7.82*** 2.53_ 24.20	-0.53** -0.93_ -0.12
	\geq median (n=57)	-0.13 -0.31_ 0.05	-0.24** -0.39_ -0.08	9.37*** 3.06_ 28.71	-0.70** -1.11_ -0.30
	Female re-entry workers				
	unexposed (n=55)	1.00	1.00	1.00	
	< median (n=29)	0.05 -0.16_ 0.26	-0.02 -0.20_ 0.16	1.28 0.32_ 5.10	-0.40 -0.82_ 0.02
\geq median (n=27)	-0.07 -0.29_ 0.14	-0.12 -0.32_ 0.07	2.29 0.61_ 8.61	-0.48* -0.91_ -0.04	

*=p<0.05 **p<0.01 ***P<0.001 The (β)values/odd ratios were adjusted for gender (where relevant), age, **weight, height**, smoking status, ever pneumonia, and income, marital and *Khat* chewing status