S1 Table. Hazard ratios for lung cancer incidence according to history of pesticide exposure, and smoking status after excluding subjects with a follow-up period of equal or less than 3 years

	Overall (n=7,289)			Men (n=2,627)			Women (n=4,662)		
	Cases (%)	HR (95% C.I.)	p-value	Cases (%)	HR (95% C.I.)	p-value	Cases (%)	HR (95% C.I.)	p-value
Model 1									
Occupational pesticide use									
No	24 (0.7)	1.000 (reference)		11 (1.2)	1.000 (reference)		13 (0.5)	1.000 (reference)	
Yes	66 (1.7)	3.068 (1.891-4.977)	< 0.001	53 (3.2)	3.353 (1.705, 6.596)	0.001	13 (0.6)	1.443 (0.656, 3.174)	0.362
Average frequency of pesticide use per year									
Continuous		1.015 (1.002-1.029)	0.028		1.009 (0.991-1.026)	0.328		1.008 (0.973-1.044)	0.649
< 5	46 (1.1)	1.000 (reference)		29 (2.2)	1.000 (reference)		17 (0.6)	1.000 (reference)	
5-9	9 (0.9)	0.902 (0.440-1.847)	0.778	7 (1.9)	0.889 (0.388-2.034)	0.780	2 (0.3)	0.617 (0.142-2.683)	0.519
10-19	26 (2.0)	1.945 (1.198-3.159)	0.007	21 (3.6)	1.638 (0.93-2.885)	0.087	5 (0.7)	1.292 (0.473-3.527)	0.617
≥ 20	9 (1.5)	1.491 (0.728-3.055)	0.275	7 (2.1)	0.972 (0.424-2.225)	0.946	2 (0.7)	1.402 (0.322-6.100)	0.652
Duration of pesticide use (yr)									
Continuous		1.025 (1.014-1.037)	< 0.001		1.02 (1.006-1.035)	0.006		1.021 (1.000-1.042)	0.054
< 5	20 (0.7)	1.000 (reference)		9 (1.2)	1.000 (reference)		11 (0.5)	1.000 (reference)	
5-9	4 (1.2)	2.202 (0.745-6.508)	0.154	3 (2.2)	2.25 (0.598-8.47)	0.231	1 (0.5)	1.271 (0.163-9.945)	0.820
10-19	8 (1.2)	2.028 (0.881-4.666)	0.096	7 (2.5)	2.642 (0.960-7.273)	0.060	1 (0.2)	0.558 (0.071-4.363)	0.578
≥ 20	58 (1.7)	3.171 (1.867-5.386)	< 0.001	45 (3.1)	3.236 (1.530-6.842)	0.002	13 (0.7)	1.701 (0.742-3.897)	0.209
Smoking status, pack-years									
Continuous		1.03 (1.025-1.035)	< 0.001		1.024 (1.017-1.031)	< 0.001		1.035 (0.995-1.077)	0.086
Never smoker	21 (0.4)	1.000 (reference)		1 (0.2)	1.000 (reference)		20 (0.5)	1.000 (reference)	
< 30	23 (1.7)	4.193 (2.320-7.577)	< 0.001	18 (1.7)	8.872 (1.184-66.474)	0.034	5 (1.7)	4.166 (1.562-11.115)	0.004
≥30	46 (4.3)	11.487 (6.842-19.285)	< 0.001	45 (4.4)	25.064 (3.455-181.824)	0.001	1 (2.4)	5.869 (0.788-43.730)	0.084
Model 2									
Occupational pesticide use									
No,	24 (0.7)	1.000 (reference)		11 (1.2)	1.000 (reference)		13 (0.5)	1.000 (reference)	
Yes	66 (1.7)	1.825 (1.026-3.248)	0.041	53 (3.2)	2.469 (1.071-5.691)	0.034	13 (0.6)	1.245 (0.492-3.147)	0.643
Average frequency of pesticide									

use per year

	n (%)	HR (95% CI)	p	n (%)	HR (95% CI)	p	n (%)	HR (95% CI)	p
Continuous		1 (0.981-1.018)	0.959		0.997 (0.976-1.019)	0.809		1.009 (0.969-1.051)	0.666
< 5	46 (1.1)	1.000 (reference)		29 (2.2)	1.000 (reference)		17 (0.6)	1.000 (reference)	
5-9	9 (0.9)	0.643 (0.306-1.353)	0.245	7 (1.9)	0.697 (0.294-1.654)	0.413	2 (0.3)	0.595 (0.130-2.727)	0.504
10-19	26 (2.0)	1.169 (0.676-2.020)	0.577	21 (3.6)	1.16 (0.607-2.217)	0.654	5 (0.7)	1.17 (0.393-3.485)	0.778
≥ 20	9 (1.5)	0.729 (0.333-1.595)	0.429	7 (2.1)	0.609 (0.244-1.521)	0.288	2 (0.7)	1.234 (0.262-5.810)	0.791
Duration of pesticide use (yr)									
Continuous		1.002 (0.989-1.015)	0.768		0.996 (0.980-1.012)	0.626		1.015 (0.993-1.039)	0.189
< 5	20 (0.7)	1.000 (reference)		9 (1.2)	1.000 (reference)		11 (0.5)	1.000 (reference)	
5-9	4 (1.2)	1.744 (0.571-5.331)	0.329	3 (2.2)	2.773 (0.671-11.460)	0.159	1 (0.5)	1.207 (0.149-9.770)	0.860
10-19	8 (1.2)	1.519 (0.625-3.693)	0.356	7 (2.5)	2.645 (0.835-8.376)	0.098	1 (0.2)	0.538 (0.066-4.360)	0.561
≥ 20	58 (1.7)	1.564 (0.831-2.946)	0.166	45 (3.1)	1.998 (0.776-5.14)	0.151	13 (0.7)	1.459 (0.570-3.733)	0.430
Smoking status (pack-years)									
Continuous		1.02 (1.013-1.028)	< 0.001		1.021 (1.013-1.029)	< 0.001		1.027 (0.984-1.071)	0.228
Never smoker	21 (0.4)	1.000 (reference)		1 (0.2)	1.000 (reference)		20 (0.5)	1.000 (reference)	
< 30	23 (1.7)	3.433 (1.654-7.126)	0.001	18 (1.7)	10.535 (1.400-79.299)	0.022	5 (1.7)	3.448 (1.213-9.805)	0.020
≥ 30	46 (4.3)	7.485 (3.488-16.060)	< 0.001	45 (4.4)	22.023 (3.023-160.467)	0.002	1 (2.4)	4.721 (0.583-38.218)	0.146

CI, confidence interval; HR, hazard ratio. Model 1: unadjusted. Model 2: Adjusted by age (continuous), sex, smoking status (pack-years, continuous), alcohol consumption, physical activity, obesity, education level, year of cohort entry and study area.