

Supplementary material 3. RR (95% CI) of COPD by quartiles of cumulative organic dust exposure stratified by exposure source.

| Exposure category | Overall | | | | Organic dust exposure from farming | | | | Organic dust exposure from wood industry | | | | |
|--|----------------|---------------------|----------------|--------------------------------|------------------------------------|---------------------|----------------|--------------------------------|--|---------------------|----------------|--------------------------------|----------------|
| | COPD cases (n) | RR _{crude} | (95% CI) | RR _{adj} ^a | (95% CI) | RR _{crude} | (95% CI) | RR _{adj} ^a | (95% CI) | RR _{crude} | (95% CI) | RR _{adj} ^a | (95% CI) |
| Low | 966 | 1.00 | | 1.00 | | 1.00 | | 1.00 | | 1.00 | | 1.00 | |
| Intermediate-low | 853 | 0.88 | (0.81 to 0.97) | 0.90 | (0.82 to 0.99) | 0.77 | (0.65 to 0.90) | 0.92 | (0.78 to 1.09) | 0.90 | (0.80 to 1.02) | 0.84 | (0.75 to 0.95) |
| Intermediate-high | 738 | 0.76 | (0.69 to 0.84) | 0.76 | (0.69 to 0.84) | 0.56 | (0.47 to 0.67) | 0.71 | (0.60 to 0.85) | 0.86 | (0.76 to 0.98) | 0.75 | (0.65 to 0.85) |
| High | 605 | 0.63 | (0.57 to 0.69) | 0.52 | (0.47 to 0.58) | 0.48 | (0.39 to 0.59) | 0.59 | (0.48 to 0.72) | 0.65 | (0.57 to 0.74) | 0.46 | (0.40 to 0.53) |
| Per mg/m ³ -year ^b | | 0.99 | (0.99 to 0.99) | 0.98 | (0.98 to 0.98) | 0.97 | (0.97 to 0.98) | 0.98 | (0.97 to 0.99) | 0.99 | (0.99 to 0.99) | 0.98 | (0.98 to 0.99) |

^aAdjustment for age group, calendar year, and sex

^bContinuous cumulative organic dust exposure