

Table S1. Associations of residential radon exposure (≥ 74 Bq/m³) and cigarette smoking with lung cancer.

| Variables | Case, n | Control, n | Conditional logistic regression | | Conventional logistic regression | |
|------------------------|---------|------------|---------------------------------|-----------------|----------------------------------|-----------------|
| | | | OR (95% CI)* | <i>p</i> -value | OR (95% CI)† | <i>p</i> -value |
| Residential radon | | | | | | |
| Low (< 74 Bq/m³) | 364 | 358 | 1.00 (reference) | | 1.00 (reference) | |
| High (≥ 74 Bq/m³) | 155 | 161 | 1.61 (1.16–2.23) | 0.005 | 1.57 (1.13–2.18) | 0.007 |
| Cigarette smoking | | | | | | |
| Non-smokers | 297 | 338 | 1.00 (reference) | | 1.00 (reference) | |
| Smokers | 222 | 181 | 2.53 (1.60–3.99) | < 0.001 | 2.50 (1.59–3.94) | < 0.001 |
| Radon and smoking | | | | | | |
| Low-radon non-smokers | 208 | 233 | 1.00 (reference) | | 1.00 (reference) | |
| High-radon non-smokers | 89 | 105 | 1.55 (1.02–2.34) | 0.040 | 1.55 (1.02–2.35) | 0.039 |
| Low-radon smokers | 156 | 125 | 2.39 (1.45–3.95) | < 0.001 | 2.41 (1.46–3.96) | < 0.001 |
| High-radon smokers | 66 | 56 | 4.16 (2.29–7.57) | < 0.001 | 3.92 (2.16–7.10) | < 0.001 |

*Adjusted for second-hand smoking, sleeping hours, indoor hours, housing type, floor, presence of house cracks, and green ratio. CI, confidence interval; OR, odds ratio.

†Conventional logistic regression was further adjusted for age and sex.