**Supplementary Table 1. The association between radon and mortality among all study participants and among individuals with respiratory, cardiovascular and metabolic diseases**

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| --- | --- | --- |
|  | **SRSS**  | **LBL** |
|  | **Percent change (95% CI)** | **Interaction p value** | **Percent change (95% CI)** | **Interaction p value** |
| **All available data** | 1·44% (1·36%; 1·52%) |  | 2·32% (2·26%; 2·47%) |  |
| **COPD****No****Yes**  | 1·44% (0·76%; 2·12%)1·18% (0·51%; 1·86%) | 0·452 | 2·33% (1·53%; 3·31%)4·50% (3·69%; 5·31%) | <0·001 |
| **CHF****No****Yes** | 1·99% (1·39%; 2·60%)1·86% (1·26%; 2.46%) | 0·672 | 2·32% (1·61%; 3·02%)4·54% (3·84%; 5·26%) | <0·001 |
| **MI****No****Yes** | 1·44% (-0·54%; 3·47%)0·30% (-1·66%; 2·31%) | 0·264 | 2·37% (0·01%; 4·78%)0·52% (-1·78%; 2·89%) | 0·126 |
| **Stroke****No****Yes** | 1·44% (-0·45% 3·37%)3·46% (1·53%; 5·43%) | 0·040 | 2·36% (0·15%; 4·62%)4·35% (2·10%; 6·65%) | 0·084 |
| **DM****No****Yes** | 1·43% (0·70%; 2·18%)1·78% (1·04%; 2·52%) | 0·364 | 2·33% (1·46%; 3·20%)5·07% (4·19%; 5·97%) | <0·001 |

Table 1 compares the % change in all-cause mortality associated with IQR increase of 0·6 units in ln(Rn) measurements obtained using the LBL exposure and the SRSS exposure.