**Supplemental Table S2 Association of different country with malignancy in the overall cohort in an adjusted model**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristics** | Model 1 | |  | Model 2 | |  | Model 3 | |
| *OR (95% CI)* | *P* |  | *OR (95% CI)* | *P* |  | *OR (95% CI)* | *P* |
| **All RA** |  |  |  |  |  |  |  |  |
| Chinese RA vs. US RA | 0.336 (0.272, 0.416) | **<0.001** |  | 0.445 (0.356, 0.556) | **<0.001** |  | 0.615 (0.438, 0.862) | **0.005** |
| **Male RA** |  |  |  |  |  |  |  |  |
| Chinese RA vs. US RA | 0.535 (0.367, 0.780) | **0.001** |  | 0.795 (0.535, 1.182) | 0.257 |  | 0.962 (0.545, 1.698) | 0.895 |
| **Female RA** |  |  |  |  |  |  |  |  |
| Chinese RA vs. US RA | 0.280 (0.217, 0.363) | **<0.001** |  | 0.340 (0.261, 0.444) | **<0.001** |  | 0.489 (0.320, 0.748) | **<0.001** |

Model 1: Unadjusted; Model 2: Adjusted for age, gender (male or female); Model 3: Adjusted for model 2 covariates plus BMI, active smoking (yes or no), CRP, hypertension (yes or no), diabetes (yes or no), [dyslipidemia](javascript:;) (yes or no), cardiovascular diseases (yes or no), enrollment year interval and previous medication.