

Supplementary Information

Social isolation and risk of mortality in middle-aged and older adults with arthritis: a prospective cohort study of four cohorts

Chuchu Ma^{2, 8}, Siyu He^{5, 8}, Jin Luo^{3, 8}, Zequn Zhang¹, Hui Zhang^{4, 6, *}, Wenzexiao^{1, *}, Hejian Zou⁷

¹Department of Rheumatology, Shanghai Pudong Hospital, Fudan University Pudong Medical Center, Shanghai 201399, China

²School of Pharmacy, Fudan University, Shanghai 201203, China

³Reproductive Medicine Center, Renmin Hospital of Wuhan University, Wuhan 430060, China

⁴School of Global Health, Chinese Center for Tropical Diseases Research, Shanghai Jiao Tong University School of Medicine, Shanghai 200025, China

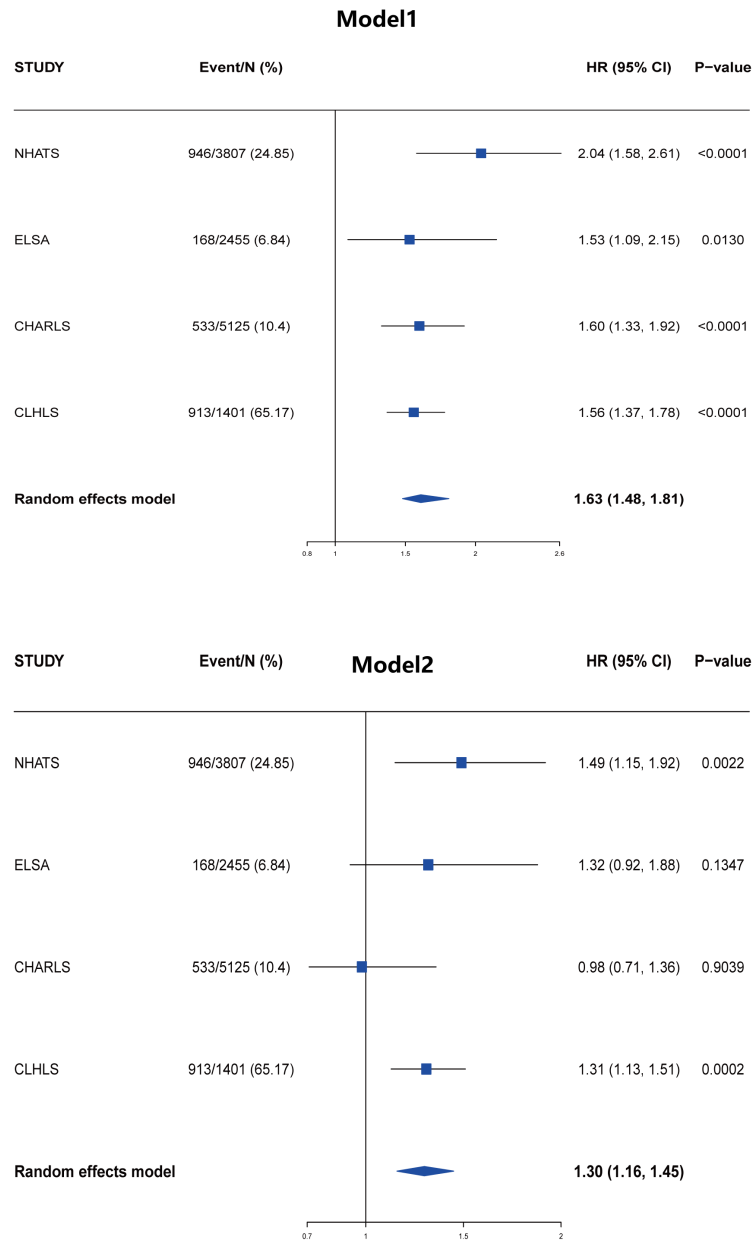
⁵School of Public Health, Fudan University, Shanghai 200032, China

⁶Human Phenome Institute, Fudan University, Shanghai 201203, China

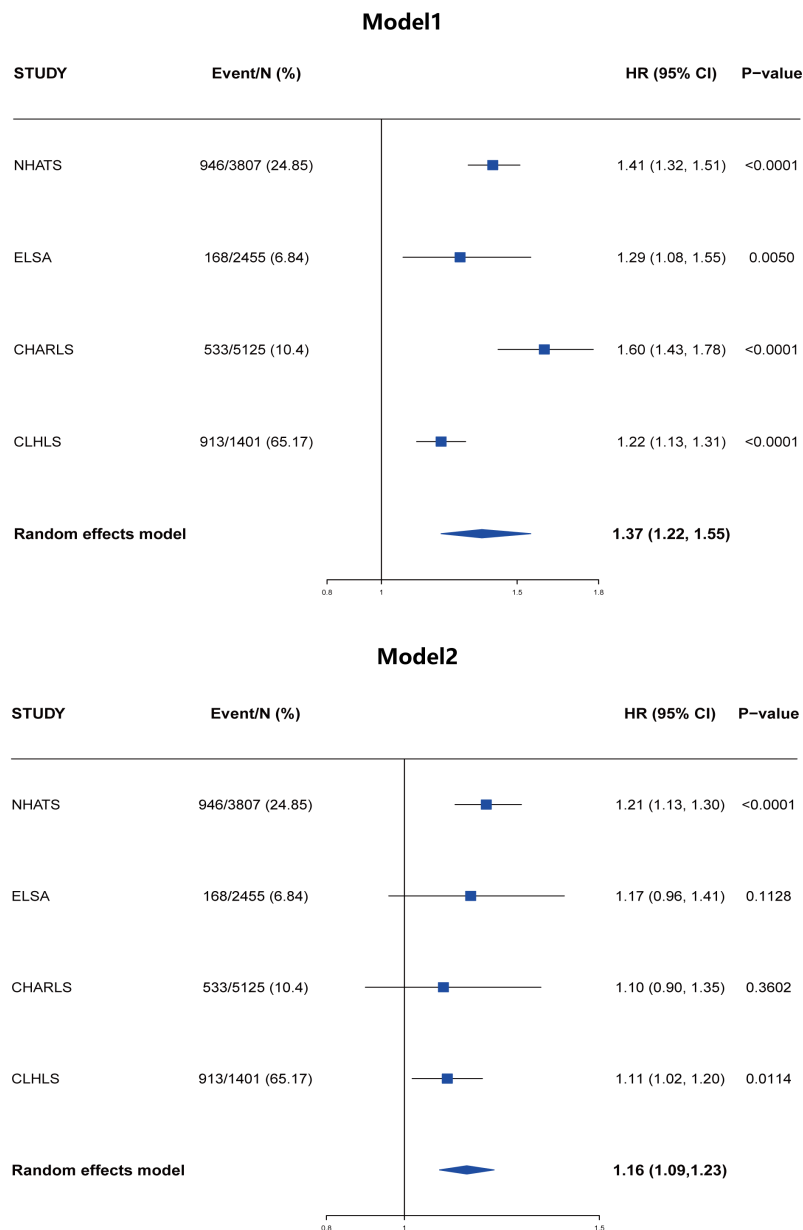
⁷Department of Rheumatology, Huashan Hospital, Fudan University, Shanghai 200040, China

⁸These authors contributed equally: Chuchu Ma, Siyu He, and Jin Luo.

* **Corresponding Author:** wenzexiao@fudan.edu.cn; zhanghui2939@sjtu.edu.cn



Supplementary Figure S1. Meta-analyses for the association between social isolation and the risk of mortality in individuals with arthritis after excluding individuals who died within the first year. Model 1, unadjusted; Model 2, all databases were adjusted for age, gender, BMI (excluded ELSA), educational level, smoking status, vigorous exercise, depression status, and number of chronic diseases.



Supplementary Figure S2. Meta-analyses for the association between social isolation score and the risk of mortality in individuals with arthritis after excluding individuals who died within the first year. Model 1, unadjusted; Model 2, all databases were adjusted for age, gender, BMI (excluded ELSA), educational level, smoking status, vigorous exercise, depression status, and number of chronic diseases.