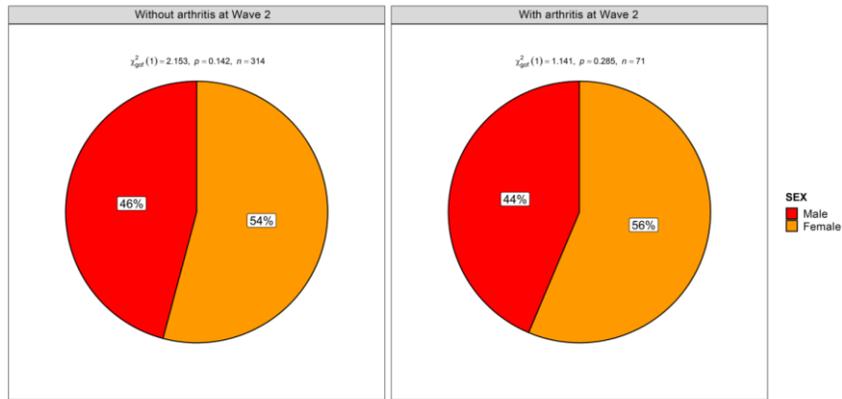


# SUPPLEMENTARY FIGURE

## Participants with cataracts

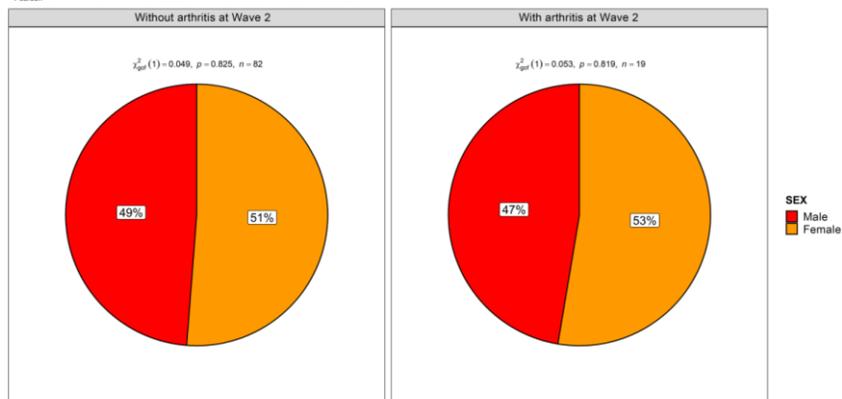
$\chi^2_{\text{Pearson}}(1) = 0.113, p = 0.737, \hat{V}_{\text{Cramer}} = 0.000, \text{CI}_{95\%} [-0.082, 0.042], n_{\text{obs}} = 385$



In favor of null:  $\log_{10}(\text{BF}_{01}) = 2.258, a = 1.000$

## Participants with glaucoma

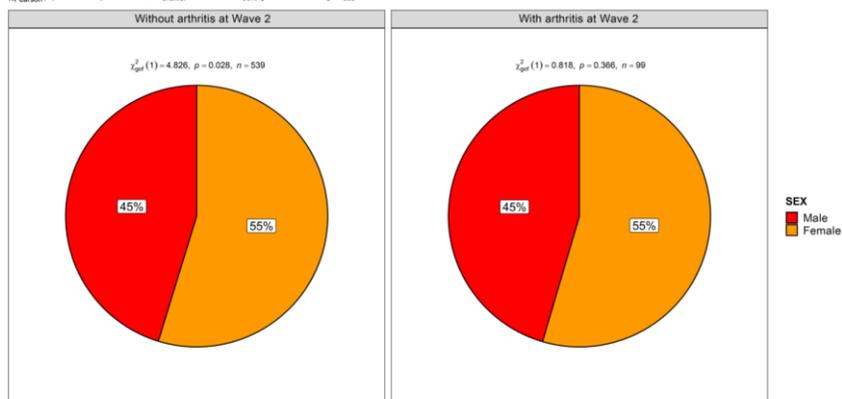
$\chi^2_{\text{Pearson}}(1) = 0.012, p = 0.912, \hat{V}_{\text{Cramer}} = 0.000, \text{CI}_{95\%} [-0.120, 0.066], n_{\text{obs}} = 101$



In favor of null:  $\log_{10}(\text{BF}_{01}) = 1.645, a = 1.000$

## Participants with other eye diseases

$\chi^2_{\text{Pearson}}(1) = 0.001, p = 0.973, \hat{V}_{\text{Cramer}} = 0.000, \text{CI}_{95\%} [-0.057, 0.032], n_{\text{obs}} = 638$



In favor of null:  $\log_{10}(\text{BF}_{01}) = 2.630, a = 1.000$

Supplementary Figure 1. Gender-related differences of participants with eyes diseases on Wave 2 arthritis.