**Supplementary Material 4** Association between breastfeeding duration and with radiologically diagnosed osteoarthritis stratified by age group, 2010-2013

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| --- | --- | --- | --- |
| Duration | Age group | | |
| 50-59years(N=2,297) | 60-69 years(N=1,852) | Over70 years(N=1,514) |
| None | 1 | 1 | 1 |
| Any duration | 1.14(0.31, 4.21) | 2.89(1.23, 6.76) | 1.47(0.58, 3.74) |
|  |  |  |  |
| None | 1 | 1 | 1 |  |
| 1-6month | 2.04(0.45, 9.21) | 1.20(0.30, 4.7863) | 2.50(0.54, 11.64) |
| 7-24 month | 1.20(0.30, 4.86) | 2.89(1.12, 7.45) | 1.82(0.61, 5.39) |
| ≥25 month | 1.09(0.30, 4.03) | 2.94(1.25, 6.91) | 1.46(0.57, 3.71) |
| *P* for trend | <0.0001 | <0.0001 | <0.0001 |

N=5,663, OR: odds ratio, 95% CI: 95% confidence interval.

1 Adjusted for income, education level, occupation, body mass index, smoking status, drinking experience, physical activity, diabetes, hypertension, use of oral contraceptives, menopause status, total number of children breastfed, parity.