**Table S1**. Associations of periodontal bone loss and breast cancer during 14 years of follow-up in the Nurses’ Health Study stratified by risk factors (n = 77,541), 1998-2014.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | No. of cases | No periodontal bone loss (reference) | Periodontal bone loss HR (95% CI)a | P-interaction  |
| Age<64 years old≥64 years old | 12083902 | 1.001.00 | 1.11 (0.95, 1.30)0.99 (0.90, 1.08) | 0.08 |
| Number of teeth0-16 teeth16-24 teeth25-32 teeth | 6898513010 | 1.001.001.00 | 0.99 (0.80, 1.20)1.07 (0.89, 1.29)0.98 (0.88, 1.10) | 0.76 |
| BMI<25 kg/m2≥25 kg/m2 | 20293006 | 1.001.00 | 0.97 (0.86, 1.11)1.03 (0.93, 1.14) | 0.88 |
| Smoking quit years Former <20 yearsFormer ≥20 yearsCurrentNever | 90215623842243 | 1.001.001.001.00 | 0.98 (0.83, 1.15)1.11 (0.96, 1.27)0.97 (0.75, 1.24)1.01 (0.88, 1.16) | 0.92 |
| Smoke statusNeverFormerCurrent | 22542471385 | 1.001.001.00 | 1.00 (0.87, 1.15)1.04 (0.94, 1.16)0.96 (0.75, 1.23) | 0.98 |
| Aspirin/NSAID useNoneAspirin onlyNSAID only | 15651526759 | 1.001.001.00 | 1.10 (0.96, 1.27)0.92 (0.79, 1.07)1.03 (0.84, 1.26) | 0.61 |
| HT therapy NeverEver | 12363874 | 1.001.00 | 1.05 (0.89, 1.24)1.01 (0.93, 1.11) | 0.91 |

Abbreviations: CI, confidence interval; HR, hazard ratio.

aMultivariable-adjusted models for the following covariates: age (months), race, body mass index at age 18, age at menarche, age at first birth and parity combined, age at menopause and menopausal status, first degree family history of breast cancer, history of benign breast disease, alcohol consumption, physical activity, ever mammography, smoking status, pack years smoking, weight change since 18, menopausal hormone therapy, and oral contraceptive use.