Additional file 2. Hazard ratios (HRs) and 95 % confidence intervals (CIs) for the associations between skincare product use and risk of pre- and postmenopausal breast cancer and endometrial cancer after multiple imputation by chained equations of missing values of included covariates.

|  |  |  |  |
| --- | --- | --- | --- |
| User groups of skincare products per cancer type | Age-adjusted HR (95% CI) | Multivariable HR (95% CI) | ptrend |
| Premenopausal breast cancera |  |  |  |
| Non-/Light users | 1.00 | 1.00 | 0.25 |
| Moderate users | 1.04 (0.85,1.26) | 1.04 (0.85,1.27) |  |
| Frequent/heavy users | 1.12 (0.93,1.33) | 1.11 (0.93,1.33) |  |
| Postmenopausal breast cancerb |  |  |  |
| Non-users | 1.14 (0.87,1.48) | 1.16 (0.89,1.51) | 0.34 |
| Light users  | 1.00 | 1.00 |  |
| Moderate users | 0.98 (0.89,1.07) | 0.97 (0.88,1.06) |  |
| Frequent users | 0.99 (0.90,1.08) | 0.96 (0.88,1.05) |  |
| Heavy users | 0.83 (0.63,1.10) | 0.81 (0.61,1.08) |  |
| Endometrial cancerc |  |  |  |
| Non-/Light users | 1.00 | 1.00 | 0.83 |
| Moderate users | 0.76 (0.62,0.93) | 0.84 (0.69,1.03) |  |
| Frequent/heavy users | 0.87 (0.73,1.03) | 1.01 (0.85,1.20) |  |

a n=21 257, 666 cases. Multivariable adjusted for maternal breast cancer history and alcohol intake. b n= 106 328, 3118 cases. Multivariable adjusted for body mass index, use of menopause hormone therapy, age at first birth and parity combined, maternal breast cancer history, physical activity and alcohol intake. c n=95 577, 679 cases. Multivariable adjusted for body mass index, use of oral contraceptives, use of intrauterine device, smoking and education.