**Supplemental Table 2**. Adjusted hazard ratios of menarche in relation to middle-childhood hemoglobin and plasma ferritin concentrations according to age at assessment of the biomarker

| Age at assessment, y | Adjusted hazard ratio (95% CI)aper 1 SD hemoglobin (1.1 g/dL) | Adjusted hazard ratio (95% CI)bper 1 SD ferritin (23.2 µg/L) |
| --- | --- | --- |
| Complete case analysisn = 1087 | Multiple imputation analysiscn = 1464 | Complete case analysisn = 1087 | Multiple imputation analysiscn = 1464 |
|  |  |  |  |  |
|  5 – 6  | 1.15 (0.96, 1.38) | 1.13 (0.97, 1.31) | 1.06 (0.95, 1.19) | 1.03 (0.90, 1.17) |
|  7 – 8  | 1.06 (0.96, 1.18) | 1.04 (0.94, 1.15) | 0.94 (0.87, 1.01) | 0.95 (0.88, 1.02) |
|  9 – 10 | 1.11 (1.01, 1.22) | 1.09 (0.99, 1.19) | 0.85 (0.75, 0.96) | 0.87 (0.78, 0.96) |
| 11 – 12 | 1.23 (1.00, 1.51) | 1.11 (0.93, 1.34) | 1.12 (0.91, 1.37) | 0.99 (0.79, 1.25) |
|  |  |  |  |  |
| *P*, test for interactiond | 0.60 | 0.81 | 0.02 | 0.12 |
|   |  |  |  |  |

**Footnotes to Supplemental Table 2**

a From multivariable-adjusted Cox proportional hazards models with age at menarche as the outcome and predictors that included age group at assessment (3 indicator variables), hemoglobin (continuous), and interaction terms between age group and hemoglobin. Covariates included the mother’s age at menarche in years (continuous), mother’s parity (continuous), socioeconomic status (3 indicator variables), ferritin (continuous), and C-reactive protein (continuous). The robust sandwich covariance matrix estimate was specified in each model to account for siblings in the sample.

b From multivariable-adjusted Cox proportional hazards models with age at menarche as the outcome and predictors that included age group at assessment (3 indicator variables), plasma ferritin (continuous), and interaction terms between age group and ferritin. Covariates included the mother’s age at menarche in years (continuous), mother’s parity (continuous), socioeconomic status (3 indicator variables), hemoglobin (continuous), and C-reactive protein (continuous). The robust sandwich covariance matrix estimate was specified in each model to account for siblings in the sample.

c From a dataset obtained through Markov Chain Monte Carlo multiple imputation.

d χ2 joint test for the interaction between age categories and the iron status biomarker.