**SUPPLEMENTARY TABLE 3.**

Spearman correlations between fruit and vegetable intakes (estimated from FFQs) and serum carotenoid concentrations.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Fruit | Vegetables | Alpha carotene | Beta carotene | Beta cryptoxanthin | Lutein / zeaxanthin |
| Vegetables | .326 (*P*<.001)n=1682 |  | - | - | - | - |
| Alpha carotene | .099 (*P*<.001)n=1604 | .216 (*P*<.001)n=1682 |  | - | - | - |
| Beta carotene | .110 (*P*<.001)n=1604 | .202 (*P*<.001)n=1604 | .859 (*P*<.001)n=2029 |  | - | - |
| Beta cryptoxanthin | .274 (*P*<.001)n=1604 | .149 (*P*<.001)n=1604 | .608 (*P*<.001)n=2029 | .675 (*P*<.001)n=2029 |  | - |
| Lutein / zeaxanthin | .147 (*P*<.001)n=1604 | .161 (*P*<.001)n=1604 | .639 (*P*<.001)n=2029 | .657 (*P*<.001)n=2029 | .609 (*P*<.001)n=2029 |  |
| Lycopene | .011 (*P*=.651)n=1604 | .096 (*P*<.001)n=1604 | .687 (*P*<.001)n=2029 | .759 (*P*<.001)n=2029 | .584 (*P*<.001)n=2029 | .630 (*P*<.001)n=2029 |