**Supplemental Tables**

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| **Supplemental table 1.** Socieconomic and demographic characteristics according monthly per capita income |
| Characteristics | Quartile 1 | Quartile 2 | Quartile 3 | Quartile 4 |
| n | % | n | % | n | % | n | % |
| Sex |  |  |  |  |  |  |  |  |
|  Men | 3,900 | 45.9% | 3,891 | 45.8% | 3,951 | 46.5% | 3,958 | 46.6% |
|  Women | 4,605 | 54.1% | 4,606 | 54.2% | 4,550 | 53.5% | 4,542 | 53.4% |
| Age group (years) |  |  |  |  |  |  |  |  |
|  10-13 | 1,308 | 15.4% | 870 | 10.2% | 546 | 6.4% | 360 | 4.2% |
|  14-18 | 1,360 | 16% | 1,094 | 12.9% | 795 | 9.4% | 606 | 7.1% |
|  19-59 | 5,439 | 64% | 5,611 | 66% | 5,582 | 65.6% | 6,110 | 71.9% |
|  ≥60 | 398 | 4.6% | 922 | 10.9% | 1,578 | 18.6% | 1,424 | 16.8% |
| Race/ethnicity |  |  |  |  |  |  |  |  |
|  White | 1,992 | 23.4% | 2,840 | 33.4% | 3,759 | 44.2% | 5,114 | 60.2% |
|  Others | 6,513 | 76.6% | 5,657 | 66.6% | 4,742 | 55.8% | 3,386 | 39.8% |
| Educational level\* |  |  |  |  |  |  |  |  |
|  Elementary school | 612 | 49.7% | 889 | 41.30% | 1,187 | 39.4% | 1,278 | 29% |
|  Secondary school | 600 | 48.8% | 1,191 | 55.3% | 1,590 | 51.7% | 1,757 | 39.8% |
|  University | 18 | 1.5% | 73 | 3.4% | 239 | 7.9% | 1,375 | 31.2% |
| Brazilian region |  |  |  |  |  |  |  |  |
|  North | 1,658 | 19.5% | 1,444 | 16.7% | 1,148 | 13.5% | 1,024 | 12.1% |
|  Northeast | 4,882 | 57.4% | 3,447 | 40.6% | 2,577 | 30.3% | 1,709 | 20.1% |
|  Midwest | 741 | 8.7% | 1,130 | 13.3% | 1,309 | 15.4% | 1,465 | 17.2% |
|  Southwest | 825 | 9.7% | 1,703 | 20% | 2,157 | 25.4% | 2,617 | 30.8% |
|  South | 399 | 4.7% | 773 | 9.1% | 1,310 | 15.4% | 1,685 | 19.8% |
| Household situation |  |  |  |  |  |  |  |  |
|  Urban | 5,436 | 63.9% | 6,249 | 73.5% | 6,784 | 79.8% | 7,284 | 85.7% |
|  Rural | 3,069 | 36.1% | 2,248 | 26.5% | 1,717 | 20.2% | 1,216 | 14.3% |
| Source: Authors’ estimates based on IBGE (2010).\*Only adults and elderly. |

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| **Supplemental table 2.** Energy-adjusted polyphenols intake (mg/1000kcal/d) according to monthly per capita income. Brazil, 2008-2009. |
| Compound | Quartile 1(lowest) | Quartile 2 | Quartile 3 | Quartile 4(highest) | *p\** |
| Phenolic acids | 105.7 | 90.2 | 81.5 | 71.1 | 0.0001 |
| Hydroxybenzoic acids | 0.4 | 0.4 | 0.4 | 0.5 | 0.0001 |
| Hydroxycinnamic acids | 105.3 | 89.7 | 80.7 | 70.3 | 0.0001 |
| Flavonoids | 41.4 | 51.2 | 61.9 | 89.8 | 0.0001 |
| Flavan-3-ols | 2.3 | 3.1 | 3.7 | 5.6 | 0.0001 |
| Flavones | 2.9 | 3.3 | 3.3 | 3.4 | 0.0001 |
| Flavonols | 1.4 | 1.7 | 1.9 | 2.6 | 0.0001 |
| Flavanones | 14.7 | 18.1 | 30.3 | 50.5 | 0.0001 |
| Isoflavonoids | 0 | 0 | 0 | 0 | 1,0000 |
| Anthocyanins | 0.02 | 0.02 | 0.03 | 0.04 | 0.0001 |
| Stilbenes | 0.0002 | 0.0003 | 0.0003 | 0.0003 | 0.0001 |
| Lignans | 0.7 | 0.6 | 0.6 | 0.5 | 0.0001 |
| Others polyphenols | 0.9 | 1 | 1 | 1.1 | 0.0001 |
| Total polyphenols | 207.2 | 198 | 205 | 205.2 | 0.0500 |
| Source: Authors’ estimates based on IBGE (2010) and Phenol-Explorer and TBCA Database.Income levels: Quartile 1≤US$92.68; US$92.69≤Quartile 2≤ US$174.61; US$174.62≤Quartile 3≤US$328.13; Quartile 4≥US$328.14. Values in US dollar were obtained using conversion from Brazilian reais using exchange rate from the Brazilian Central Bank in January 15, 2009 (HBS 2008-2009 reference date, R$2.3803 per US$1).\*Comparisons across quartiles were performed by using Kruskal-Wallis test.  |

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| **Supplemental table 3.** Energy-adjusted carotenoids intake (mcg/d) according to monthly per capita income. Brazil, 2008-2009. |
| Compound | Quartile 1(lowest) | Quartile 2 | Quartile 3 | Quartile 4(highest) | *p\** |
| α-carotene | 48.1 | 49.4 | 50.6 | 58.9 | 0.0001 |
| β-carotene | 406.5 | 410.4 | 424.5 | 522.5 | 0.0001 |
| β-cryptoxanthin | 25.9 | 18.5 | 17.2 | 20.1 | 0.0001 |
| Lycopene | 460.1 | 532.6 | 619.3 | 816.9 | 0.0001 |
| Lutein | 206.7 | 187.5 | 185 | 187.9 | 0.0001 |
| Neoxanthin | 1.5 | 1.3 | 1.2 | 1.4 | 0.0001 |
| Violaxanthin | 24.8 | 23.1 | 21.7 | 26.3 | 0.0001 |
| Zeaxanthin | 91.8 | 78.5 | 74.1 | 71.4 | 0.0001 |
| Total carotenoids | 1,674.70 | 1,629.40 | 1,700.00 | 2,049.50 | 0.0001 |
| Source: Authors’ estimates based on IBGE (2010) and TBCA and Ibero-American Food Carotenoids Database.Income levels: Quartile 1≤US$92.68; US$92.69≤Quartile 2≤ US$174.61; US$174.62≤Quartile 3≤US$328.13; Quartile 4≥US$328.14. Values in US dollar were obtained using conversion from Brazilian reais using exchange rate from the Brazilian Central Bank in January 15, 2009 (HBS 2008-2009 reference date, R$2.3803 per US$1).\*Comparisons across quartiles were performed by using Kruskal-Wallis test. |

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| **Supplemental table 3.** Total energy intake (kcal/d) according to monthly per capita income. Brazil, 2008-2009. |
|  | Quartile 1(lowest) | Quartile 2 | Quartile 3 | Quartile 4(highest) | *p\** |
| Energy intake | 1,777.3 | 1,912.0 | 1,951.3 | 2,000.7 | 0.0001 |
| Source: Authors’ estimates based on IBGE (2010) and TBCA Database.Income levels: Quartile 1≤US$92.68; US$92.69≤Quartile 2≤ US$174.61; US$174.62≤Quartile 3≤US$328.13; Quartile 4≥US$328.14. Values in US dollar were obtained using conversion from Brazilian reais using exchange rate from the Brazilian Central Bank in January 15, 2009 (HBS 2008-2009 reference date, R$2.3803 per US$1).\*Comparisons across quartiles were performed by using Kruskal-Wallis test. |