Supplementary Data

Supplemental Table 1. Categorization scheme for products reported by infants and toddlers 0-23.9 months, NHANES 2007-2014

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Form | Category | Definition | Examples |
| **Single** **Nutrient Products** |  | Vitamin D  | Stand alone, supplement products that only contain vitamin D | Pediatric vitamin D 400 IU drops  |
| Infant drops, tablets, softgels, chews, capsule  | Other Single Nutrients | Stand alone, single vitamin (other than Vitamin D) or mineral supplement products  | Fer-In-Sol® (Liquid Iron Supplement) |
| **Multi-Nutrient Products** | Infant Drops | Products containing Vitamins A, C, and D | Products containing Vitamin A, C, and D; Products may or may not contain iron and/or fluoride | Tri-Vi-Sol®, Tri-Vi-Sol® with fluoride |
| Products containing ≥8 vitamins | Vitamins included: A, C, D, E, may include B12, B6, niacin, riboflavin and thiamin; Products may or may not contain iron and/or fluoride, DHA, selenium or zinc | Poly-Vi-Sol®, Poly-Vi-Sol® with iron |
| Tablets, softgels, chews, capsules | Multi-vitamin | Any product that contain 2 or more vitamins without minerals; Products may or may not contain other ingredients such as omega-3 or probiotics | L'il Critters®Omega-3 Gummy Fish™ |
| Multivitamin-minerals | Any product containing 3 or more vitamins and 1 or more minerals; Products may or may not contain other ingredients such as omega-3 or probiotics | Flintstones™ Complete |

Supplementary Data

Supplemental Table 2. Unit Conversions

|  |  |  |  |
| --- | --- | --- | --- |
| Nutrient | Current unit on DS labels | DRI unit | Conversion  |
| Vitamin D | IU | µg | 40 IU = 1 µg1  |
| Folate | µg | µg Dietary Folate Equivalents | 1 µg folate (folic acid) as a supplement consumed with meals = 1.7 µg DFEs1 |
| Vitamin E  | IU | Mg | 1 IU (International Unit) = 0.67 milligram (mg) for d-alpha-tocopherol (natural)2 1 IU (International Unit) = 0.9 milligram (mg) for dl-alpha-tocopherol (synthetic)2  |
| Vitamin A | IU | µg Retinol Activity Equivalents (RAE) | 1 IU Retinol = 0.3 µg retinol or 0.3 µg RAE1 1 IU β-carotene = 0.15 µg RAE1 |

1 Conversions based on equations provided in: Otten JJ, Hellwig JP, Meyers LD. DRI, dietary reference intakes: the essential guide to nutrient requirements. Washington, D.C.: National Academies Press, 2006 (13).

2 Conversions based on equations provided in: United States Department of Agriculture, Agriculture Research Service. Dietary Supplement Ingredient Database. Accessed 08/14/2017. Internet: <https://dietarysupplementdatabase.usda.nih.gov/Conversions.php> (14).

Supplementary Data

Supplemental Figure 1. Flow chart