Supplemental Figure 1. Participant flow chart, The Third National and Nutrition Examination Survey (NHANES III)

Analytic sample

(n=11,898)

Presence of chronic kidney disease (eGFR<60 mL/min/1.73m2)

(n=843)

History of diabetes (self-reported diabetes, diabetes medication use, or fasting glucose >126 mg/dL)

(n=3,701)

History of cancer

(n=609)

History of stroke, heart attack, or ischemic heart disease

(n=1,728)

Complete information on ultra-processed food intake and vital status

(n=18,799)

≥20 years of age

(n=18,825)

NHANES III (1988-1994)

(n=20,050)

Missing information on ultra-processed food intake or missing vital status

(n=26)

Supplemental Table 1. Classification of food items on food frequency questionnaire representing levels of processing

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| NOVA Food Category | Food Items |
| Minimally processed foods | Milk (whole, 2%, 1%, skim), yogurt, beef, shrimp, clams, fish, chicken and turkey, liver and other organ meats, eggs, fruits, vegetables, lentils, dried beans, chickpeas, peanuts, peanut butter, rice, coffee, tea |
| Processed culinary ingredients | Butter, oil, vinegar |
| Processed foods | Cheese (all types), pork and ham, stew or soup with vegetables, breads (white, dark, and corn) and rolls, flour tortillas, tofu and other soy products, beer, wine |
| Ultra-processed foods | Chocolate milk, ice cream, ice milk, milkshakes, bacon, sausage, processed meats, sweetened cereals, spaghetti/pasta with tomato sauce, cheese dishes, pizza, calzone, lasagna, salted snacks, cakes, cookies, brownies, fruit juices, sugar-sweetened and artificially sweetened beverages (Hi-C, Tang, Koolaid, diet colas, diet sodas, regular colas and sodas), hard liquor, margarine |