

Peer Review Plan

Preliminary Title: Creating a Purchase-to-Plate Crosswalk to Measure Diet Quality with IRI Household-Based and Store-Based Scanner Data

Type of Report
(ERR, EIB, EB,
TB, SOR,)

TB

Agency: Economic Research Service
USDA

Influential Scientific Information
 Highly Influential Scientific Assessment

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Subject of Review: Americans spend about half of their food budgets to purchase about two-thirds of their food from stores. USDA purchases retail and household scanner data to research a broad range of food policy topics related to these food-at-home purchases. While the data contain some nutrient data, they are not sufficient to measure how well Americans follow dietary advice or what may motivate them to do so. USDA compiles extensive nutrient and food composition databases to support dietary intake studies including the National Health and Nutrition Examination Survey (NHANES). In this study, we use probabilistic and semantic matches to merge the scanner data with the USDA nutrition and food composition databases. We use existing datasets to compile conversion factors to translate “as purchased” weights in the scanner data to the “as consumed” (as eaten) form in the USDA nutrition and food composition databases. Using the new crosswalk – the purchase-to-plate crosswalk – we estimate the overall diet quality of American’s food-at-home purchases. The HEI-2015 score for 2013 retail scanner sales is 55 out of 100, indicating that Americans need to substantially improve the healthfulness of their grocery purchases if they wish to follow dietary recommendations. Future reports will describe how users can use the matches to estimate prices for foods in the consumed form.

Purpose of Review: The purpose of the review is to ensure the high-quality of the economic analysis, transparent explanation of methods, objective interpretation of results, and effective communication to the intended audience.

Type of Review: Panel Review Individual Reviewers
 Alternative Process (Briefly Explain):

Timing of Review (Est.): Start: 5/17/2018 Completed: 9/21/18 Withdrawn: XX/XX/18

Number of Reviewers: 3 or fewer 4 to 10 More than 10

Primary Disciplines/Types of Expertise Needed for Review: Economists

Reviewers selected by: Agency Designated Outside Organization
Organization’s Name:

Opportunities for Public Comment? Yes No

If yes, briefly state how and when these opportunities will be provided:

How:

When:

Peer Reviewers Provided with Public Comments? Yes No

Public Nominations Requested for Review Panel? Yes No