

Peer Review Plan

Preliminary Title: Performance of Ground Beef Establishments on Salmonella Tests Before and After Product Recalls over 2000-2019, for Selected Superperiods and Categories, and Compared to Establishments Without Recalls

Type of Report (ERR, EIB, EB) ERR

Agency: Economic Research Service [X] Influential Scientific Information
USDA [] Highly Influential Scientific Assessment

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Subject of Review: Following previous research, Salmonella levels are used as a measure of food safety. Then, using Salmonella test results and other data spanning 1999-2019 from FSIS administrative files and product recall information from the FSIS website, an ERS researcher used fixed linear and conditional tobit econometric methods to examine changes in performance on Salmonella tests across event windows extending from three years before to three years after a recall for assorted time periods and categories and modes of discovery of recalls. Using the same methods, the ERS researcher also examined differences in performance on Salmonella tests between establishments with and without recalls. Finally, the ERS researcher used a sequential logit regression to establishments with recalls relative to those without recalls and for establishments with recalls by different categories. This method allowed use of all recall information. All econometric models control for establishment size and other variables. The key variables are dummy variables that indicated changes in performance on Salmonella tests. The data set extended from 1999-2019, but the period of the analysis covers the 2000-2019 because statistical model required the use of a lagged variable for Salmonella test results.

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 [X] Individual Reviewers
[] Alternative Process (Briefly Explain):

Timing of Review (Est.): Start: 11/10/2021 Completed: 11/2/2022

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

Primary Disciplines/Types of Expertise Needed for Review: Economists

Reviewers selected by: [X] Agency [] Designated Outside Organization

Opportunities for Public Comment? [] Yes [X] No

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

How:

When:

Peer Reviewers Provided with Public Comments? [] Yes [X] No

Public Nominations Requested for Review Panel?

Yes

No