Food Safety and Inspection Service
U.S. DEPARTMENT OF AGRICULTURE

USDA FY 2022–2026 Food Safety Key Performance Indicator

Reduction in the proportion of poultry samples with Salmonella serotypes commonly associated with human illness

A key performance indicator (KPI) is a measure that is used to evaluate FSIS' progress towards reaching its objectives and goals identified in both Agency and USDA strategic plans and will serve as a metric for success for the USDA Fiscal Year (FY) 2022-2026 Strategic Plan.

The KPI will measure the percent reduction in raw poultry samples contaminated with *Salmonella* serotypes commonly associated with human illness as a percentage of all samples analyzed for all types of *Salmonella* contamination. The samples considered in the KPI are those collected from products subject to a performance standard (i.e., from chicken parts, chicken and turkey carcasses, and comminuted chicken and turkey).

The Agency analyzed historical FSIS sampling data, in addition to FoodNet Fast data from the Centers for Disease Control and Prevention, to determine the *Salmonella* serotypes commonly associated with human illness for this measure, which are **Infantis, Enteritidis,** and **Typhimurium**.

Methodology

Using FY 2020 and FY 2021 FSIS sampling data, the initial rate of FSIS samples that tested positive for Infantis, Enteritidis, and Typhimurium (serotypes commonly associated with human illness) is 4.22%. The formula for calculating annual progress towards meeting this measure using the most recent fiscal year of available data is:

$$\left(1 - \left[\frac{\frac{\text{\# of poultry verification samples with } \textit{Salmonella} \text{ serotypes commonly associated with human illness}}{\text{\# of total poultry verification samples analyzed}}}{\text{Initial rate for serotypes commonly associated with human illness}}\right]\right) *100$$

Hypothetical Example:

$$\left(1 - \frac{(2{,}215/53{,}500)}{0.0422}\right) *100 = 2\%$$

Targets

Annual targets will be used to track progress toward reducing the proportion of poultry samples with Infantis, Enteritidis, and Typhimurium. FSIS is seeking a 2% reduction each year, with the goal of achieving a 10% reduction by FY 2026.

FY 2022	2% reduction
FY 2023	4% reduction
FY 2024	6% reduction
FY 2025	8% reduction
FY 2026	10% reduction

Performance Reporting

Annual results for the KPI will be shared publicly through USDA's "Our Performance" web page.