

For Immediate Release
U.S. Poultry & Egg Association
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USPOULTRY and Foundation Commission Scoping Review of Salmonella Reduction Interventions Using an Evidence Gap Map

Salmonella findings in poultry products, along with reported outbreaks linked to raw poultry, have drawn increased attention to potential mitigation strategies. In response, USPOULTRY and the USPOULTRY Foundation commissioned a scoping review to assess the available evidence on interventions aimed at reducing *Salmonella* in post-harvest raw chicken parts.

The review is designed to help association members better understand which publicly reported mitigation strategies have been studied, how frequently they have been evaluated and where gaps remain in the current research. To support this effort, researchers developed an evidence gap map (EGM), a visual tool that organizes and summarizes the available data on the topic.

The project was led by Dr. Sarah C. Totton, independent contractor, and Dr. Annette O'Connor, veterinarian and quantitative epidemiologist at Michigan State University, along with a team of researchers. It examined interventions aimed at reducing *Salmonella* concentrations during the processing of raw poultry products, including chicken and turkey. More than 8,000 records were screened, with 56 studies identified as relevant and included in the EGM.

Analysis of the data showed that the wash step was the most common processing stage for intervention application, representing 24 of the 56 studies.

The EGM is available on the USPOULTRY [website](#), along with a companion [video](#) interview featuring O'Connor that provides guidance on how to interpret and use the tool. Food safety remains a top priority for USPOULTRY, and this new resource reflects the Association's ongoing commitment to developing practical tools that support the safety and quality of U.S. poultry and egg products.

About USPOULTRY

U.S. Poultry & Egg Association (USPOULTRY) is the All Feather Association progressively serving its poultry and egg members through research, education, communications and technical services. Founded in 1947, USPOULTRY is based in Tucker, Georgia.

About USPOULTRY Foundation

The USPOULTRY Foundation's mission is to support the recruitment and training of the brightest students, seek and fund scientific research, foster student scientists and promote careers in the poultry and egg industry.

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Intervention	Physical	Processing Step	Transfer Belt (slaughter to evisceration)	Scalding	Post-scalding Wash	Evisceration	Post-evisceration	Wash	Pre-chill	Chill	Post-chill	Deboning	Tumbling	Pre-packaging	Mobile Processing Unit	Not Reported
			Hot Water	● ● ●						● ●						
Steam							●									
Continuous Water Flow										●						
Extra Wash Step			●	●	●			●		●						
Counter-Current Scalding			●	●	●			●		●						
Wash Duration								●								
Water Spray During Evisceration																

● Commercial Plant ● Pilot Plant ● Laboratory ● Not Reported

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