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**Modeling Efforts Leveraging Foodborne Pathogen And Socio-Economic Data
To Inform Risk Management Decisions - Case Example From
Bangladesh Informal Aquaculture Markets**

Clare Allyson Narrod

US Department of Agriculture (USDA), US

Abstract

In Bangladesh, most of the poor consume tilapia and panga fish. Most of the fish is sold in informal markets, but some also in supershops. Ongoing findings of modeling efforts using ESBL-EC prevalence data taken from grower ponds, wholesale and retail markets, and cutting boards will be shared. Analysis of behavior and socio-economic data to understand how that impacts food safety risk will be discussed. The talk will conclude with a discussion of current work aimed at capturing the risk from the markets to consumers and a future planned control intervention study.

Keywords: *fish, food safety risk, modeling efforts*