Food Safety Metrics

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FSMA Desired Outcomes

- Optimized food safety outcomes by using a system based approach

- Harmonization of practices with global standards and food safety principle

- Food Safety principles applied worldwide / facilitate highly accountable global trade
Food Safety Data & Metrics

Food Safety Systems are driven data dependent

- Public Health
  - Government (academia, consumer, & industry metrics)

- Food Attribution

- Public health information on specific products

- Animal & Plant Health
Goal of metrics

- Identify public health opportunity

- Establishes framework for resources to efficiently be applied based on science and risk

- Measure outcomes of activities
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Identify Food Safety Opportunity

Incidence of Foodborne Illness 1996-2007: Listeria*

FSIS Regulatory Testing for LM in RTE Products
by Calendar Year 1990 - 2009*
(All Years All Projects)

*Starting with CY2008, annual microbiological results are reported by sample collection date as opposed to analysis end date.
• **Metrics** - Information is used to identify potential risks and hazards with a product or ingredient

  - Hazard Analysis and Preventive Controls Program
  
  - Establish risk based supply chain / supplier verification process (3rd party certification)
  
  - Identify and implement other verification activities

• **Assure efficient and effective utilization of resources on changing and challenging opportunities**