

Progressing Towards an IFSS - Major Milestones Achieved and Planned

✓ Accomplished

• In-Progress or Planned

	1997* -2007	2008-2018	2019-2021	2021-2023+
Information and Data Exchange	<ul style="list-style-type: none"> ✓ Association of Food & Drug Officials (AFDO) offered the vision for an Integrated Food Safety System (IFSS) (1997) ✓ First 50-State Meeting (1998) ✓ Creation of the National Food Safety System (NFSS) including six workgroups (1998) ✓ The NFSS work groups proposed innovative ideas and assisted on federal activities (1999) ✓ The NFSS Coordinating Committee Meeting provided input on building the integrated food safety system (1999) ✓ Epidemic Information Exchange (Epi-X) established (2001) ✓ FoodSHIELD is launched (2004) ✓ The Council to Improve Foodborne Outbreak Response (CIFOR) convened (2006) ✓ The Reportable Food Registry for Industry was established (2007) 	<ul style="list-style-type: none"> ✓ Presidential administration established Food Safety Working Group (2009) ✓ The National Outbreak Reporting System (NORS) is established (2009) ✓ Partnership for Food Protection (PFP) partnership established & Best Practice Tools developed (2009) ✓ IFSS Toolkit piloted in Michigan and Georgia (2012) ✓ National Environmental Assessment Reporting System (NEARS) launched (2014) ✓ AFDO conducts the first Integration Forum at the Food Safety Summit (2014) ✓ Animal Feed Network (AFN) launched (2014) ✓ OutbreakNet (Foodborne Disease Outbreak Surveillance System) established (2015) ✓ FDA hosts first Food Safety Training Summit (2015) ✓ Foreign Supplier Verification Program (FSVP) went into effect in (2016) ✓ Established FDA's GenomeTrakr (2018) ✓ FDA/ORA Partner Portal (ORAPPS) release 1.0 (2018) ✓ Implemented information sharing mechanism (20.88) for states ✓ First two states submit contracted inspections through National Food Safety Data Exchange (NSFDX) (2018) ✓ Expanded shared data standards to include exchange of lab data ✓ Voluntary Qualified Importer Program (VQIP) implemented (2018) 	<ul style="list-style-type: none"> ✓ FDA's Technology Modernization Plan (TMAP) released (2019) ✓ FDA-TRACK: Food Safety Performance Dashboard revamped (2019) ✓ New Era of Food Safety Blueprint published (2020) ✓ New Era of Food Safety workgroups formed (2020) ✓ Food Safety Advisory Group (FSAG) established (2020) ✓ FDA Launches AI Pilot for Inspecting Imported Food (2020) • Develop FoodSHIELD dashboards to communicate with stakeholders (2021) • Reconcile inventory with states system pilot (2021) • Establish ORA Data Exchange (ORA DX) including capabilities via NFSDX and ORAPP (2021). • Advance FDA Unified Registration and Listing System (FURLS) utilization 	<ul style="list-style-type: none"> ▪ Expansion of National Food Safety Data Exchange (NFSDX) ▪ Expansion of Genome Trakr Network of labs ▪ FDA to host first New Business Models Summit focusing on Retail Food Safety • Development of E-System for Agriculture, Food, Health, E-Inspections and Registration (SAFHER)
	<p>* IFSS-related activities and work leading towards the IFSS concept, including State contracts and the commissioning of State regulators, started before 1997.</p>			

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Operational Support	<ul style="list-style-type: none"> ✓ NFSS initiated operational support projects to advance IFSS Vision (2001) ✓ FDA invested \$14M to their partners (2006) ✓ FDA’s Rapid Response Teams (RRTs) Program initiative established and launched (2008) ✓ ORAU began providing training for State regulators ✓ FDA began funding Food Safety Task Forces (2005)* 	<ul style="list-style-type: none"> ✓ VetLIRN is launched (2010) ✓ FDA Coordinated Outbreak Response and Evaluation (CORE) Network established (2011) ✓ FDA awards Cooperative Agreement “Building an Integrated Laboratory System to Advance the Safety of Food and Animal Feed” (2013) ✓ FDA awards State and Territory Cooperative Agreement to Enhance Produce Safety (2016) ✓ Established State Cooperative Program Grants for Grade “A” Milk Safety and National Shellfish Sanitation Programs (2017) ✓ FDA established Office of Training Education and Development (OTED) (2017) ✓ Expansion of number of cooperative agreements to fund RRT and additional labs in Food Emergency Response Network (FERN) ✓ FDA/CFSAN created Genome Tracker Network, first integrated network of state, federal, and international public health and regulatory labs 	<ul style="list-style-type: none"> ✓ Lab flexible funding model cooperative agreement for investing in food safety and protection of public health awarded (2020) ✓ FDA increased investments to partners from \$14 million in 2006 to \$126.3M (2020) ✓ FDA Initiates a Retail Food Safety Initiative ✓ Pilot program created to accept non-contracted inspections 	<ul style="list-style-type: none"> • Improved mechanisms for multi-state outbreak response and traceback • Alignment of OEI between states and FDA • Harmonized enforcement & compliance efforts • Establish plan to enhance inspection competency including a credentialing recognition program • Enhancement of Rapid Response teams to address food emergency response • Develop a product traceability system to automate the process of receiving, sharing, and analyzing key traceability data elements to more quickly respond to outbreaks • Implement a technology system to receive critical tracking events and key data elements from industry and regulatory partners

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REGULATORY STANDARDS & POLICY	<ul style="list-style-type: none"> ✓ Manufactured Food Regulatory Program Standards (MFRPS) foundational elements released (2007) ✓ Uniform criteria drafted to evaluate capacity and performance of local, state, or federal regulatory programs for retail foods, seafood, and manufactured foods ✓ “Guidelines for Coordinating Multistate Foodborne Outbreaks and Tracebacks” developed by Council to Improve Foodborne Outbreak Response (CIFOR) 	<ul style="list-style-type: none"> ✓ The Food Safety Modernization Act (FSMA) enacted (2011) which gave FDA legislative authority to pursue an IFSS ✓ FDA Cooperative Agreement “Alliance for Advancing a National Food Safety System” awarded to AFDO (2011) ✓ AFDO conducted a Capacity Survey of State, Local, Tribal, & Territorial Food and Feed Safety Agencies. (2012) ✓ FDA and AFDO announced cooperative agreement to enhance conformance with the Voluntary National Retail Food Regulatory Program Standards (VNRFRPS or Retail Standards) (2013) ✓ Animal Food Regulatory Program Standards (AFRPS) released through joint work by FDA and AAFCO (2014) ✓ FDA finalized several regulations to implement FDA Food Safety Modernization Act (FSMA) (2015) ✓ Proposed Egg Regulatory Program Standards developed 	<ul style="list-style-type: none"> • Execute Retail Standards Flexible Funding Model (2021) • Develop Produce Safety Regulatory Standards in collaboration with FDA, states, academia, NASDA and AFDO (2021+) • Develop Egg Regulatory Program Standards (ERPS) in collaboration with FDA and National Egg Regulatory Organization (NERO) (2021) ✓ Released FDA Proposed Food Traceability rule ✓ FDA National Training Curriculum Standards launched across all 50 States ✓ FDA issued an updated “Animal Feed Safety System” document addressing operating principles for the safety of animal feeds (2019) 	<ul style="list-style-type: none"> • Increase compliance of MFRPS and AFRPS by States • All enrolled states are in full conformance with the Manufactured Food Regulatory Program Standards (MFRPS) (2021) • Expand compliance of VNRFRPS by state and local agencies • Implementation of Egg Program Standards • Implementation of Shellfish Program Standards • Implementation of Produce Safety Standards

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Strategic Partnerships	<ul style="list-style-type: none"> ✓ National Center for Food Safety and Technology (NCFST) (1988) ✓ Joint Institute for Food Safety and Applied Nutrition (JIFSAN) established (1996) ✓ The Foodborne Diseases Active Surveillance Network (FoodNet) established (1996) ✓ PulseNet established as the national laboratory-based surveillance system (1996) ✓ Created the first model IFSS Partnership agreement document for FDA Districts and States (1998) ✓ University of Mississippi’s National Center for Natural Products Research (NCNPR) established (2001) ✓ The Food Emergency Response Network (FERN) established (2004) ✓ FDA and states created numerous partnerships and work-share agreements ✓ Created oversight model for FDA audit inspections conducted under contracts ✓ Proposed establishment of State food safety task forces 	<ul style="list-style-type: none"> ✓ Western Center of Food Safety (WCFS) established (2008) ✓ FDA invested in State Liaisons, District Emergency Response Coordinators (ERCs), and Regional Emergency Response Coordinators (RERCs) (2010) ✓ Manufactured Food Program Alliance (MFRPA) established (2012) ✓ Operational Strategy for Implementing the Food Safety Modernization Act (FSMA) established (2014) ✓ FDA created a centralized partnership agreement program (2014) ✓ FDA Office of Partnerships, Division of Integration created (2017) ✓ PFP established 5-year strategic plan (2015), which included the “Mutual reliance for a safer food supply” vision ✓ Domestic Mutual Reliance (DMR) program established and piloted in several states 	<ul style="list-style-type: none"> ✓ FDA Strategy for the Safety of Imported Food released (2019) • FDA will begin posting Integration Assessment Models (2021) 	<ul style="list-style-type: none"> ✓ PFP released their 2021-2026 Strategic Plan (2021) • Develop joint FDA-State compliance and enforcement planning/action (2022) • Develop joint risk-based work planning between FDA divisions and states to better harmonize inspections and sample collections (2022) • Increase and improve federal and state surveillance collaboration of imported food • Expand training efforts related to curriculum development, course delivery and quality standards for certification

Additional Resources

- ▶ Integrating the Nation's Food Safety System: What You Need to Know. Food Safety Magazine Article, April/May 2016. <https://www.foodsafetymagazine.com/magazine-archive1/aprilmay-2016/integrating-the-nation28099s-food-safety-system-what-you-need-to-knowpast-present-and-future/>
- ▶ Integrated Food Safety Centers of Excellence (CoEs) <https://www.cdc.gov/foodsafety/centers/index.html>
- ▶ The PFP best practices tools. The 6 resource documents that were developed from 2013 to 2018. <https://www.pfp-ifss.org/ifss-resources/>
- ▶ Enhancing Food Safety: The Role of the Food and Drug Administration. 2010. <https://www.ncbi.nlm.nih.gov/books/NBK220385/>
- ▶ Stronger Partnerships for Safer Food: An Agenda for Strengthening State and Local Roles in the Nation's Food Safety System. 2009. https://hsrc.himmelfarb.gwu.edu/sphhs_policy_facpubs/527/
- ▶ A National Strategy Is Needed to Address Fragmentation in Federal Oversight. GAO report 2017. <https://www.gao.gov/assets/690/682095.pdf>
- ▶ Scientific Criteria to Ensure Safe Food. Institute of Medicine and National Research Council Committee 2003. <https://www.ncbi.nlm.nih.gov/books/NBK221565/>
- ▶ International Cooperation on Food Safety <https://www.fda.gov/food/international-interagency-coordination/international-cooperation-food-safety>
- ▶ Retail Food Safety Regulatory Association Collaborative <https://www.retailfoodsafetycollaborative.org/>

Organizations

- ▶ [Association of American Feed Control Officials \(AAFCO\)](#) is a voluntary membership association of local, state and federal agencies charged by their local, state or federal laws to regulate the sale and distribution of animal feeds and animal drug remedies.
- ▶ [Association of Food and Drug Officials \(AFDO\)](#) is a regulatory organization that connects food and medical products safety stakeholders and impacts the regulatory environment by shaping sound science-based rules, laws, regulations and sharing best practices that protect public health.
- ▶ [Association of Public Health Laboratories \(APHL\)](#) an association that works to strengthen laboratory systems serving the public's health in the U.S. and globally
- ▶ [Association of State and Territorial Health Officials \(ASTHO\)](#) is the national nonprofit organization representing public health agencies in the United States, the U.S. Territories, and the District of Columbia, and over 100,000 public health professionals these agencies employ
- ▶ [Conference for Food Protection \(CFP\)](#) is a non-profit organization created to provide a formal process whereby members of industry, regulatory, academia, consumer, and professional organizations are afforded equal input in the development and/or modification of *food* safety guidance
- ▶ [Council of State and Territorial Epidemiologists \(CSTE\)](#) is an organization of member states and territories representing public health epidemiologists that works to establish more effective relationships among state and other health agencies
- ▶ [International Food Protection Training Institute \(IFPTI\)](#) is a training organization that builds competency-based solutions for public and private-sector food protection professionals which are then used for custom-designed training organized around curriculum frameworks aligned with specific workforce competencies
- ▶ [National Association of County and City Health Officials \(NACCHO\)](#) represents county and city health officials organized to improve the health of communities by strengthening and advocating for local health departments
- ▶ [National Association of Local Boards of Health \(NALBOH\)](#) informs, guides, and is the national voice for boards of health. In today's public health system, the leadership role of boards of health makes them an essential link between public health services and a healthy community.
- ▶ [National Association of State Departments of Agriculture \(NASDA\)](#) is a nonpartisan, nonprofit association which represents the elected and appointed commissioners, secretaries, and directors of the departments of agriculture in all fifty states and four U.S. territories
- ▶ [National Conference on Interstate Milk Shipments \(NCIMS\)](#) a non-profit organization made up of persons involved in the dairy industry, from the dairy farmer, to processing plant personnel, to those persons involved in inspecting the dairy farmer's operation and/or the processing plant, to those persons who make the laws concerning the inspections, enforce the laws, to the academic researcher and adviser, and the consumer of the dairy products
- ▶ [National Egg Regulatory Officials \(NERO\)](#) consists of State Departments of Agriculture officials involved in the shell egg and egg products regulations and programs, with affiliate members who have an interest in these programs
- ▶ [National Environmental Health Association \(NEHA\)](#) is a professional society organized to advance the environmental health and protection professional for the purpose of providing a healthful environment for all
- ▶ [National Shellfish Sanitation Program \(NSSP\)](#) is the federal/state cooperative program recognized by FDA and the Interstate Shellfish Sanitation Conference (ISSC) for the sanitary control of shellfish produced and sold for human consumption
- ▶ [Partnership for Food Protection \(PFP\)](#) is a group of dedicated officials from federal, state, and local government with roles in protecting the food supply