



Association of Food and Drug Officials

***2025 State Food Program Resource
Survey***

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I. INTRODUCTION

The Association of Food and Drug Officials (AFDO) periodically conducts a resource survey of state human food regulatory programs to collect important data that can be used to reinforce what a critical role state food safety programs play in the national regulatory scheme. The survey is broken out into components and distributed based on commodity or facility types in an effort to focus more directly on each segment of the food safety regulatory system.

Data was collected from state manufactured food, retail food, grade-A milk, shellfish, meat and poultry, produce, and laboratory programs.

AFDO would like to thank all the state programs and their staff that were involved in assembling the data that was compiled for this survey.

II. AGENCIES RESPONDING TO THE SURVEY

State	Departments of Agriculture	Departments of Health	Other Agencies
Alabama	Alabama Department of Agriculture and Industries	Alabama Department of Public Health	
Alaska			Alaska Department of Environmental Conservation
Arizona	Arizona Department of Agriculture	Arizona Department of Health Services	
Arkansas		Arkansas Department of Health	
California	California Department of Food and Agriculture	California Department of Public Health	
Colorado	Colorado Department of Agriculture	Colorado Department of Public Health & Environment	
Connecticut	Connecticut Department of Agriculture	Connecticut Department of Public Health	Connecticut Department of Consumer Protection Connecticut Agricultural Experiment Station
Delaware	Delaware Department of Agriculture	Delaware Department of Health and Social Services	Delaware Department of Natural Resources and Environmental Control
Florida	Florida Department of Agriculture & Consumer Services	Florida Department of Health	Florida Department of Business and Professional Regulation
Georgia	Georgia Department of Agriculture	Georgia Department of Public Health	Georgia Department of Natural Services
Hawaii	Hawaii Department of Agriculture	Hawaii State Department of Health	
Idaho	Idaho Department of Agriculture	Idaho Department of Health & Welfare	
Illinois		Illinois Department of Public Health	
Indiana		Indiana Department of Health	Indiana State Board of Animal Health
Iowa	Iowa Department of Agriculture & Land Stewardship		Iowa Department of Inspections, Appeals and Licensing State Hygienic Laboratory at the University of Iowa
Kansas	Kansas Department of Agriculture	Kansas Department of Health and Environment	
Kentucky	Kentucky Department of Agriculture	Kentucky Department for Public Health	University of Kentucky Division of Regulatory Services
Louisiana	Louisiana Department of Agriculture & Forestry	Louisiana Department of Health	
Maine	Maine Department of Agriculture, Conservation & Forestry	Maine Department of Health & Human Services	Maine Center for Disease Control Maine Department of Marine Resources
Maryland		Maryland Department of Health	
Massachusetts	Massachusetts Department of Agricultural Resources	Massachusetts Department of Public Health	
Michigan	Michigan Department of Agriculture and Rural Development		
Minnesota	Minnesota Department of Agriculture	Minnesota Department of Health	
Mississippi	Mississippi Department of Agriculture & Commerce	Mississippi State Department of Health	Mississippi Department of Marine Resources

State	Departments of Agriculture	Departments of Health	Other Agencies
Missouri	Missouri Department of Agriculture	Missouri Department of Health & Senior Services	Missouri State Public Health Laboratory
Montana	Montana Department of Agriculture	Montana Department of Public Health & Human Services	Montana Department of Livestock
Nebraska	Nebraska Department of Agriculture		
Nevada	Nevada State Department of Agriculture		Nevada State Public Health Laboratory
New Hampshire	New Hampshire Department of Agriculture Markets & Food	New Hampshire Department of Health and Human Services	
New Jersey	New Jersey Department of Agriculture	New Jersey Department of Health	
New Mexico	New Mexico Department of Agriculture	New Mexico Department of Health	New Mexico Environment Department
New York	New York Department of Agriculture & Markets	New York Department of Health	New York State Department of Environmental Control
North Carolina	North Carolina Department of Agriculture & Consumer Services	North Carolina Department of Health & Human Services	North Carolina Division of Marine Fisheries
North Dakota	North Dakota Department of Agriculture	North Dakota Department of Health and Human Services	
Ohio	Ohio Department of Agriculture	Ohio Department of Health	
Oklahoma	Oklahoma State Department of Agriculture, Food & Forestry	Oklahoma State Department of Health	
Oregon	Oregon Department of Agriculture	Oregon Health Authority	
Pennsylvania	Pennsylvania Department of Agriculture		
Rhode Island		Rhode Island Department of Health	Rhode Island Department of Environment, Division of Agriculture
South Carolina	South Carolina Department of Agriculture	South Carolina Department of Health	South Carolina Department of Environmental Services Clemson University
South Dakota	South Dakota Department of Agriculture and Natural Resources	South Dakota Department of Health	South Dakota Animal Industry Board South Dakota State University Animal Disease Research and Diagnostic Laboratory
Tennessee	Tennessee Department of Agriculture	Tennessee Department of Health	
Texas	Texas Department of Agriculture	Texas Department of State Health Services	
Utah	Utah Department of Agriculture and Food	Utah Department of Health and Human Services	
Vermont	Vermont Agency of Agriculture Food & Markets	Vermont Department of Health	
Virginia	Virginia Department of Agriculture and Consumer Services	Virginia Department of Health	Virginia Marine Resources Commission Virginia Department of General Services
Washington	Washington Department of Agriculture	Washington State Department of Health	
West Virginia	West Virginia Department of Agriculture	West Virginia Department of Health & Human Resources	
Wisconsin	Wisconsin Department of Agriculture, Trade & Consumer Protection		
Wyoming	Wyoming Department of Agriculture		

III. SUMMARY OF KEY DATA

Total Number of State Inspections Conducted in 2024

Establishment Type	Total Number of State Inspections
Manufactured Food	75,782
Retail Food	792,102
Grade A Milk & Manufacturing Milk	92,625
Shellfish	8,498
Meat & Poultry	107,710
Produce	2,592
Total	1,079,309

Total Number of Complaint Investigations Conducted by the States in 2024

Establishment Type	Total Number of State Complaint Investigations
Manufactured Food	4,275
Retail Food	42,457
Grade A Milk & Manufacturing Milk	323
Shellfish	197
Meat & Poultry	135
Produce	33
Total	47,420

Total Number of Enforcement Actions Initiated by States in 2024

Establishment Type	Total Number of State Enforcement Actions
Manufactured Food	9,484
Retail Food	26,433
Grade A Milk & Manufacturing Milk	2,459
Shellfish	423
Meat & Poultry	1,329
Produce	42
Total	40,170

Total Monetary Penalties Issued by States in 2024

Establishment Type	Total State Issued Monetary Penalties
Manufactured Food	\$2,369,820
Retail Food	\$2,843,498
Grade A Milk & Manufacturing Milk	\$18,800
Shellfish	\$8,442
Meat & Poultry	\$238,935
Produce	0
Total	\$5,479,495

Total State Embargoes and Quarantines Levied in 2024

Establishment Type	Total Pounds of Food Embargoed and Quarantined	Total Value of Food Embargoed and Quarantined
Manufactured Food	3,821,090	\$4,935,152
Retail Food	259,455	\$85,000
Grade A Milk & Manufacturing Milk	81,580	\$163,700
Shellfish	15,712	\$102,500
Meat & Poultry	101,257	\$576,152
Produce	0	0
Total	4,279,094	\$5,862,504

Total Condemns and Destructs of Food Overseen by States in 2024

Establishment Type	Total Pounds of Food Condemned and Destroyed	Total Value of Food Condemned and Destroyed
Manufactured Food	1,050,775	\$3,624,439
Retail Food	10,318,027	\$21,048,222
Grade A Milk & Manufacturing Milk	1,176,919	\$2,252,838
Shellfish	10,523	\$283,027
Meat & Poultry	189,073	\$1,075,697
Produce	0	0
Total	12,745,317	\$28,284,223

Total Number of State Laboratory Analyses Conducted in 2024

Analysis Type	Total Analyses
<i>Human Food Microbiology Analyses</i>	142,162
<i>Human Food Chemistry Analyses</i>	448,094
<i>Whole Genome Sequencing</i>	32,682
Total	622,938

MANUFACTURED FOOD

A. General Questions

How are manufactured food facilities regulated in the state?	
State is responsible for licensing and inspecting all facilities	70%
State licenses and inspects facilities except where local jurisdictions are delegated authority / have their own program	6%
State licenses facilities but inspections are completed by local agencies	2%
Responsibility for licensing and inspections is shared between two or more state agencies	9%
All facilities are licensed and inspected by local agencies	0%
Other	13%
Total Number of Responses: 46	

Who oversees cottage food or home based food operations within the state?	
State Department of Agriculture	41%
State Department of Health	28%
Local Agencies	20%
Cottage food is not permitted within the state	15%
Total Number of Responses: 46 – More than one category may have been selected by some respondents.	

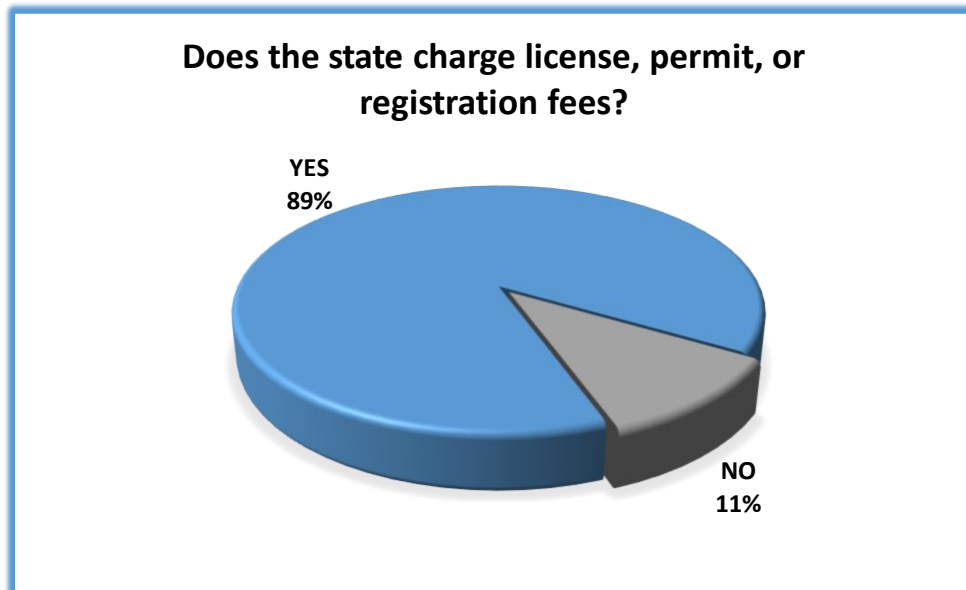


Figure 1. Total Number of Responses: 46

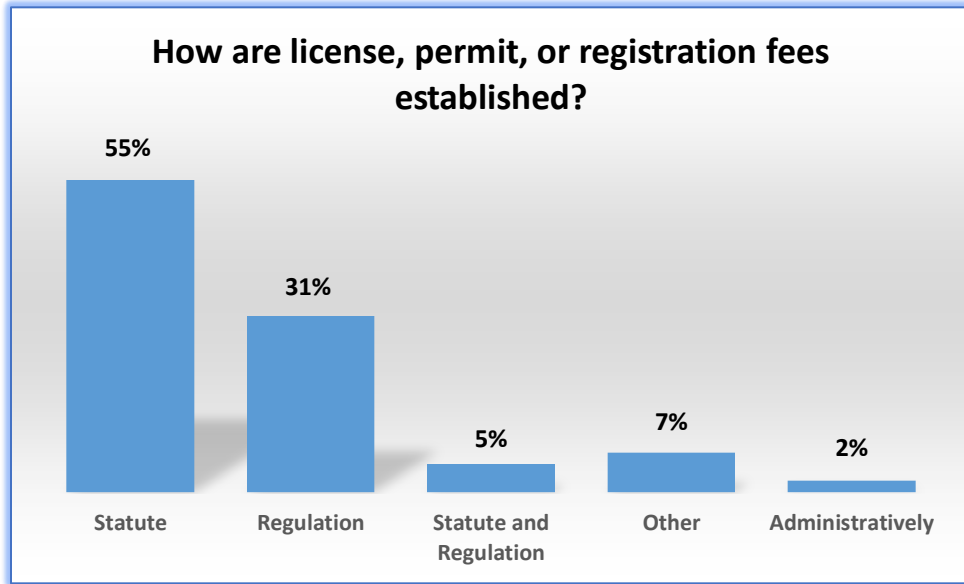


Figure 2. Total Number of Responses: 42

What factors are license, permit, or registration fees based on? (Selected all that applied)	
Risk	15%
Facility type or products processed	54%
Facility square footage	24%
Facility revenue	24%
Number of employees	11%
Other	24%
Total Number of Responses: 46 (Responders may have selected more than one factor)	

Year that license, permit, or registration fees were last adjusted?	
1999 or Prior	9%
2000 - 2009	11%
2010 - 2019	42%
2020 - 2025	20%
Unknown or N/A	18%
Total Number of Responses: 45	

What are the lowest and highest license, permit, or registration fees?	
Lowest Fee (Range)	\$0 - \$524
Lowest Fee (Average)	\$104.67
Highest Fee (Range)	\$0 - \$4,500
Highest Fee (Average)	\$622.33
Total Number of Responses: 46	

Are inspection frequencies established based on risk?	
Yes	78%
No	22%
Total Number of Responses: 44	

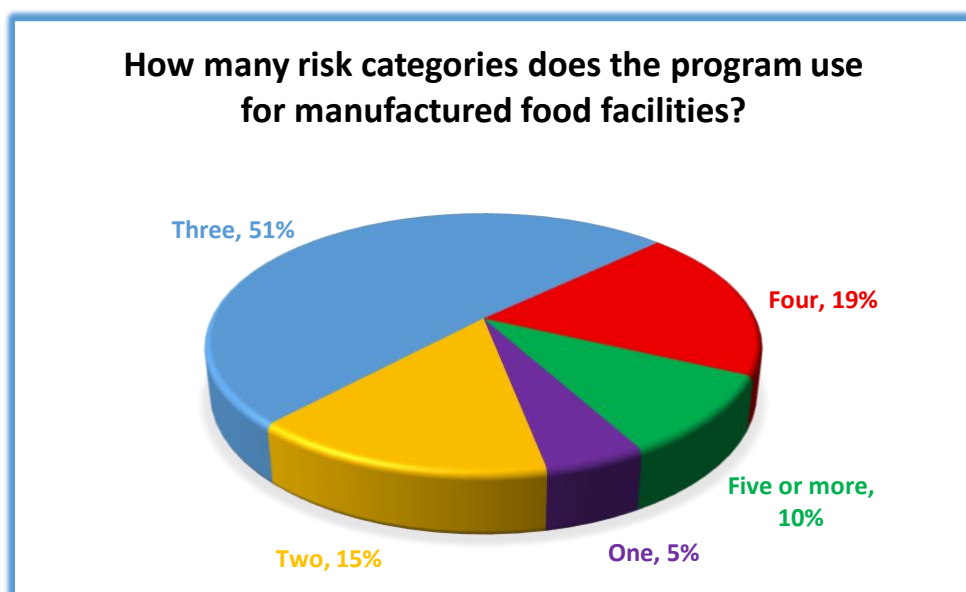


Figure 3. Total number of responses: 41

State program has responsibility for inspecting facilities processing or handling the following products intended for human consumption (Selected all that applied)	
Hemp	48%
CBD	41%
Marijuana	17%
Medical Marijuana	17%
Cannabis Extraction	24%
None	37%
Total Number of Responses: 46 (Responders may have selected more than one category type)	

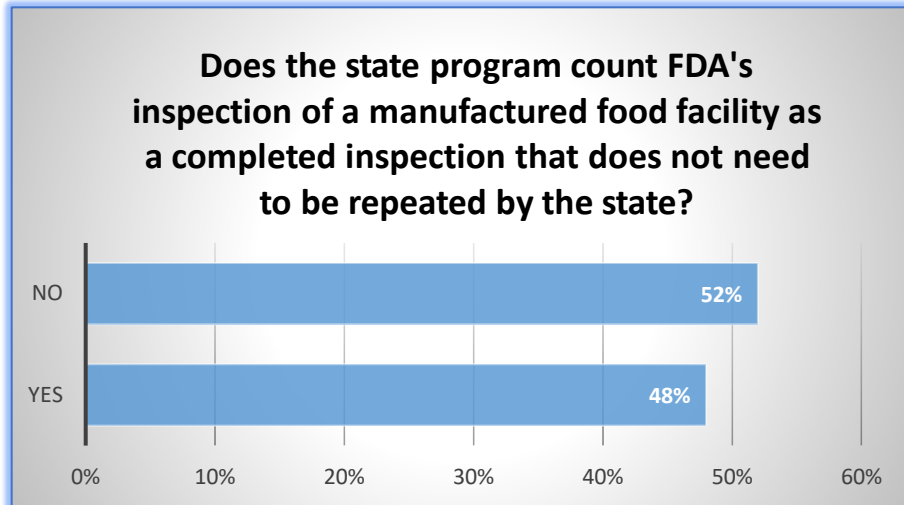


Figure 4. Total number of responses: 46

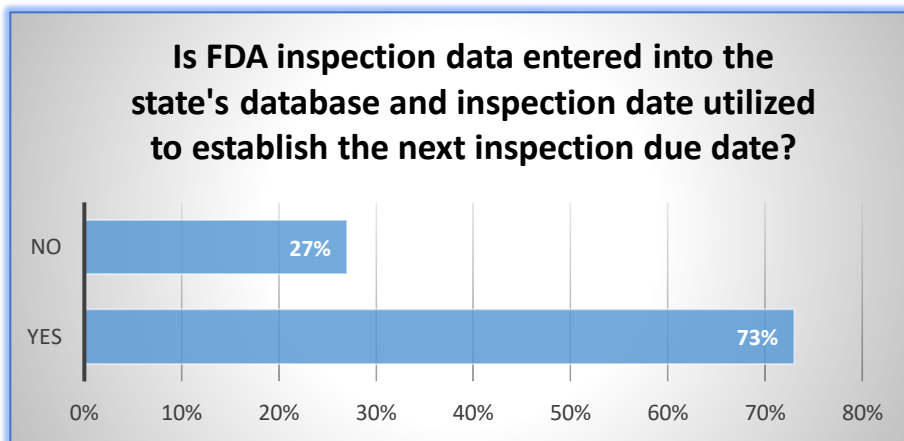


Figure 5. Total number of responses: 22

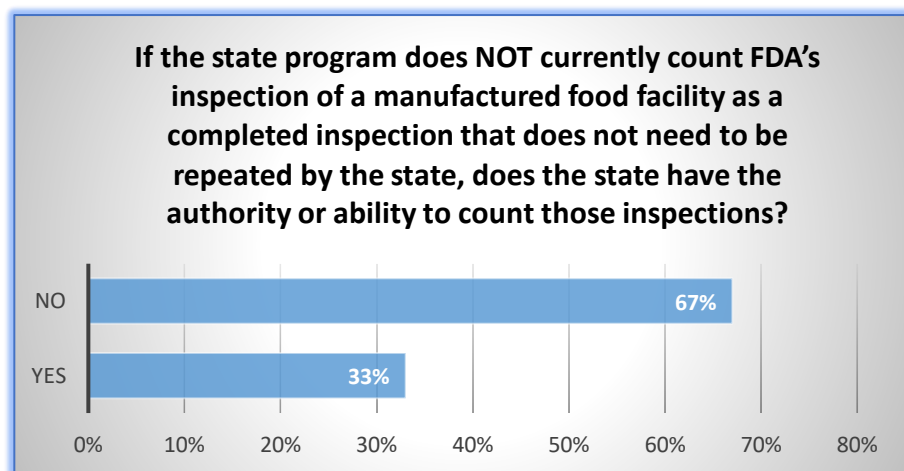


Figure 6. Total number of responses: 23

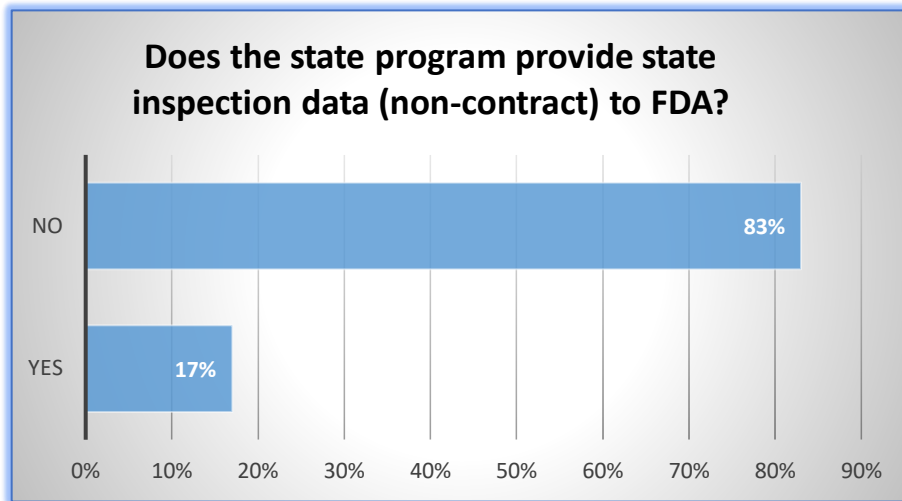


Figure 7. Total number of responses: 46

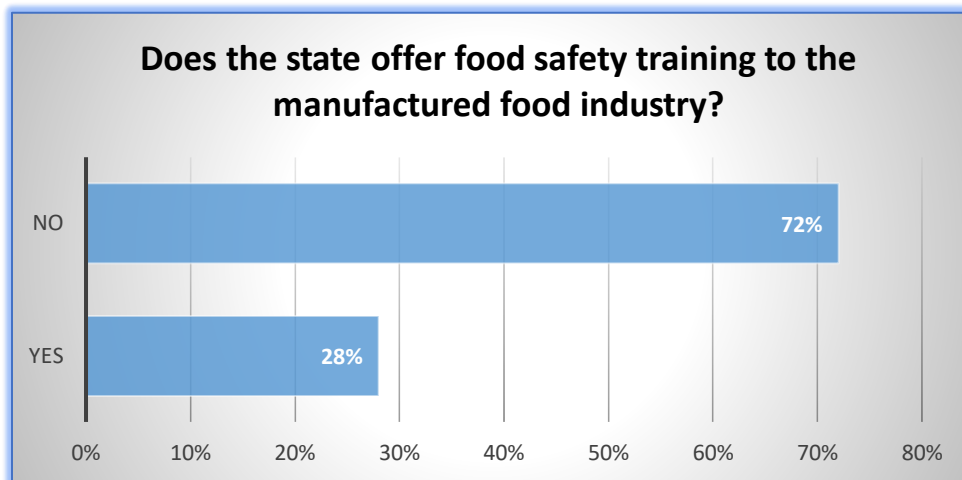


Figure 8. Total number of responses: 46

If yes, what types of training does your state program offer?	
Current Good Manufacturing Practices	62%
Preventive Controls	38%
HACCP	54%
Recalls	0%
Allergen Control	15%
Labeling	23%
Other	31%
Total Number of Responses: 13 (Responders may have selected more than one training program type)	

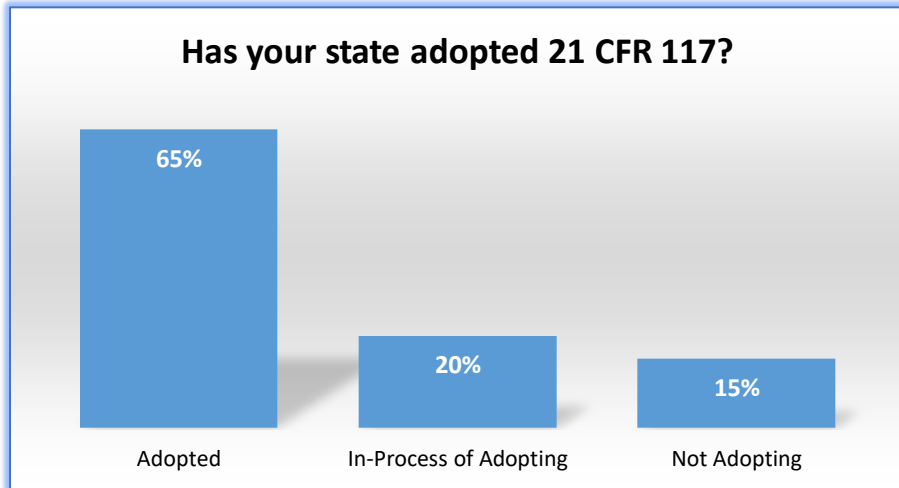


Figure 9. Total number of responses: 46

Are all subparts are being adopted?	
All subparts (A-G)	74%
Only some subparts	26%
Total Number of Responses: 39	

Are all inspectors being trained to conduct PC inspections?	
All inspectors are being trained	35%
Only some inspectors are being trained	56%
None of the inspectors are being trained	9%
Total Number of Responses: 46	



Figure 10. Total number of responses: 45

Which specialized or advanced inspections are conducted under state authority?	
Acidified Food	63%
Aseptic Processors	33%
Low Acid Canned Food	43%
Dietary Supplements	33%
Juice HACCP	54%
Seafood HACCP	70%
Total Number of Responses: 46 (Responders may have selected more than one inspection type)	

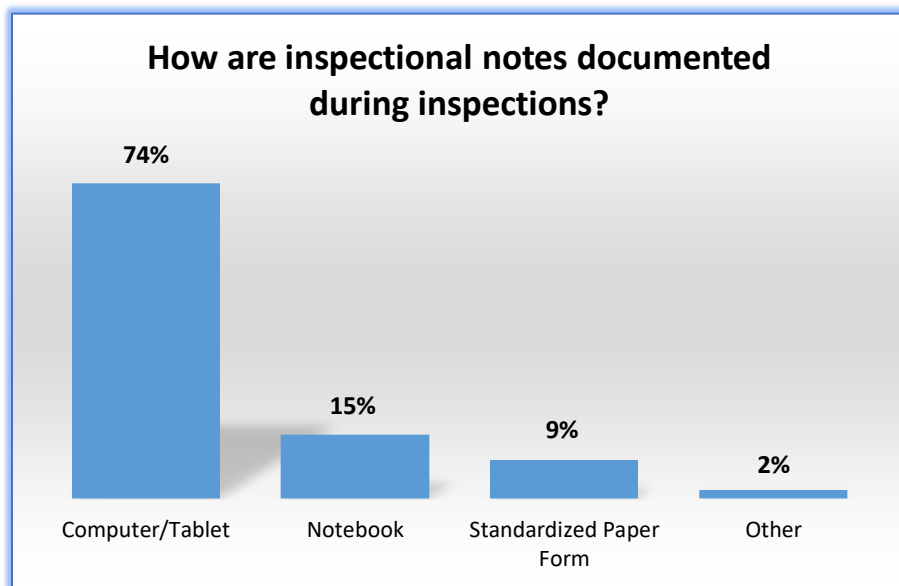


Figure 11. Total number of responses: 46

B. State Inventories and Inspections

Establishment Type	Total Number Licensed or Permitted Facilities	Total Number of State Inspections in 2024
Food Processor	85,283	50,295
Food Warehouse	22,468	9,467
Food Salvage	402	123
Cottage Food/Home Based Food Ops.	63,741	6,025
Food Transportation Vehicles	3,772	3,494
Dietary Supplement Manufacturer	558	256
Bottled Water	1,037	506
Water Vending	998	280
Ice Vending	575	254
FDA Contract Inspections		5,082
TOTAL	179,915	75,782
<i>Total Number of Responses varies by establishment type.</i>		

C. Complaints, Recalls, Tracebacks, and Traceforwards

Total non-foodborne illness related consumer complaints received & investigated in 2024:	
Total Number of Consumer Complaints Received	4,472
Total Number of Consumer Complaints Investigated	4,006
<i>Total Number of Responses: 39</i>	

Total recall and tracing activities that were conducted during calendar year 2024:	
Tracebacks / Traceforwards related to adulterated and misbranded food	366
Recalls overseen related to firms under the state's jurisdiction	205
Recalls initiated as a result of investigative activities conducted by the state	254
Number of recall effectiveness checks conducted	1,324
Disaster or Emergency Responses (not related to foodborne illness)	165
<i>Total Number of Responses: 46</i>	

D. Foodborne Disease

Agency is responsible for the following functions:	
Surveillance of foodborne disease outbreaks	50%
Epidemiological investigations of foodborne disease outbreaks	35%
Foodborne disease outbreak follow-up inspections / investigations at food establishments	87%
Receiving and investigating alleged foodborne disease complaints	83%
Total Number of Responses: 46 (Responders may have selected more than one function)	

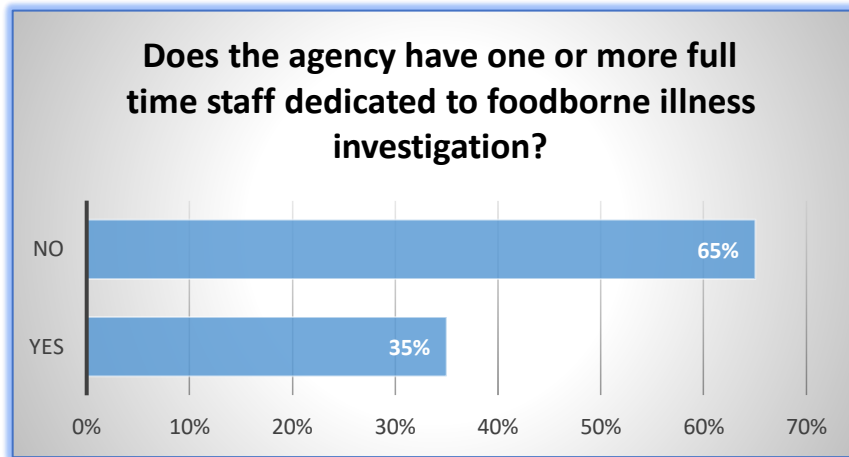


Figure 12. Total number of responses: 46

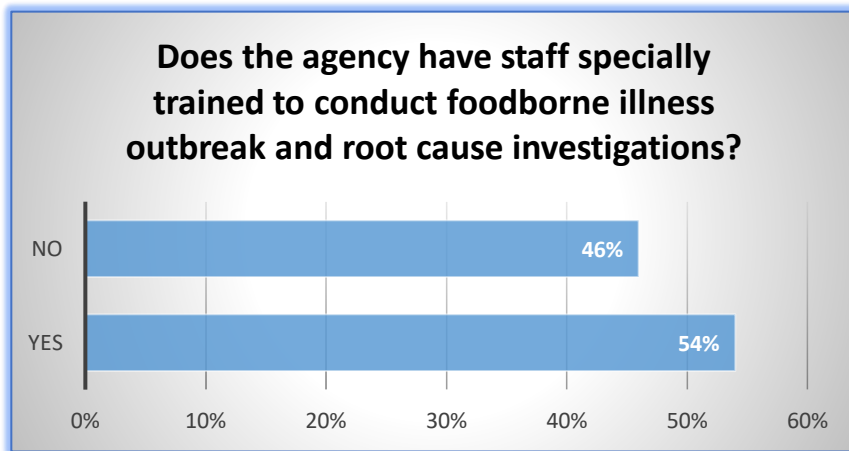


Figure 13. Total number of responses: 46

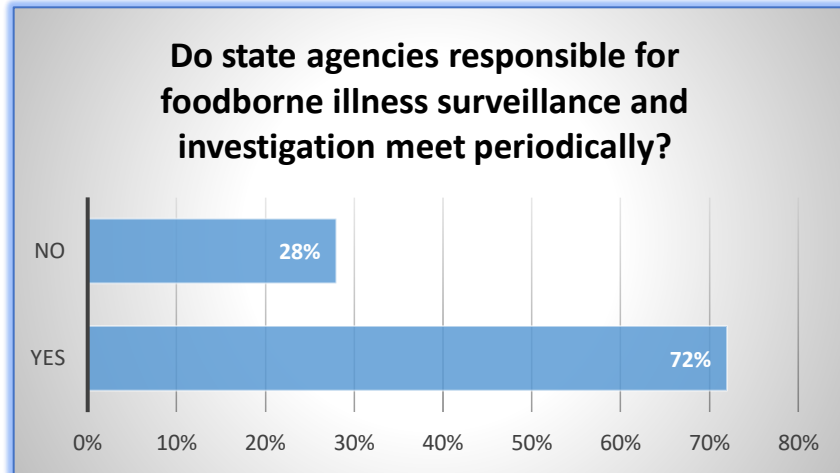


Figure 14. Total number of responses: 46

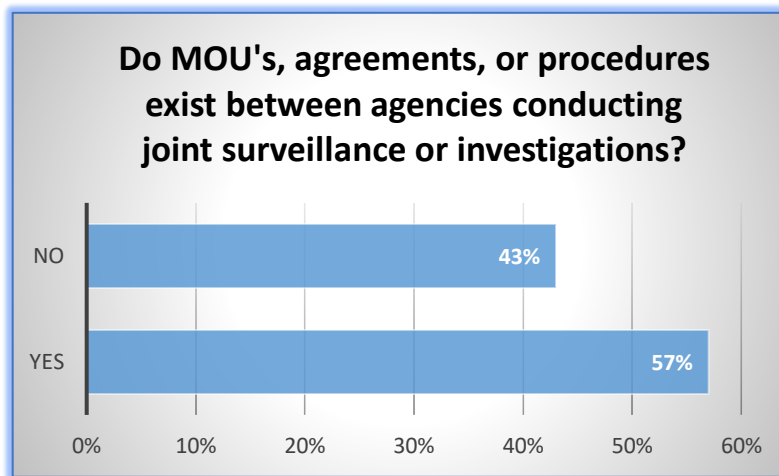


Figure 15. Total number of responses: 46

Total number of foodborne disease related activities in 2024:	
Alleged foodborne disease complaints (including ill food worker complaints) received	350
Foodborne disease outbreak follow-up inspections or investigations the agency conducted	235
<u>Confirmed</u> foodborne disease outbreak follow-up inspections or investigations the agency conducted	34
Total Number of Responses: 36	

E. Enforcement Authorities and Actions

State Enforcement Authority	State programs reporting they have this enforcement authority	Total number of times enforcement authority was utilized during CY 2024
Embargo/Quarantine/Impound	89%	1,745
Seizure	52%	0
Condemnation	70%	10
Stop Sale Order	52%	104
Voluntary Destruction / Disposal	89%	2,088
Regulatory / Warning Letters	91%	1,669
Health Advisories	65%	213
Monetary Penalties (civil penalties)	67%	2,921
License / Permit Suspension	85%	16
License / Permit Revocation	83%	4
Hearings	87%	143
Closures	78%	38
Criminal Complaints	35%	0
Civil Complaints	48%	440
Injunctions	57%	91
Inspection Warrants	37%	2
Search Warrants	26%	0
Total Number of Responses: 46		

Enforcement Activity in 2024	
Total Number of Monetary Penalties Issued	2,932
Total Amount of Monetary Penalties Issued	\$2,369,820
Total Number of Embargoes and Quarantines	1,723
Total Pounds of Food Embargoed and Quarantined	3,821,090
Total Value of Food Embargoed and Quarantined	\$4,935,152
Total Number of Condemns or Destructions	326
Total Pounds of Food Condemned or Destroyed	1,050,775
Total Value of Food Condemned or Destroyed	\$3,624,439
Total Number of Responses: 46	

F. Staffing

Program Staffing	Total Number of Full Time Equivalent Staff
Field Inspection / Investigation	523
Supervisors (Over Field Activities)	89
Compliance & Enforcement (Includes Recall Coordinators)	34
Emergency Response	54
Industry & Community Relations	14
Quality Management (includes Program Standards and Auditing)	38
Training Outreach	18
Administrative Support	78
Managers	49
Other Not Identified Above	1
Total State Program FTE's	898
<i>Total Number of Responses: 46</i>	

G. Program Funding

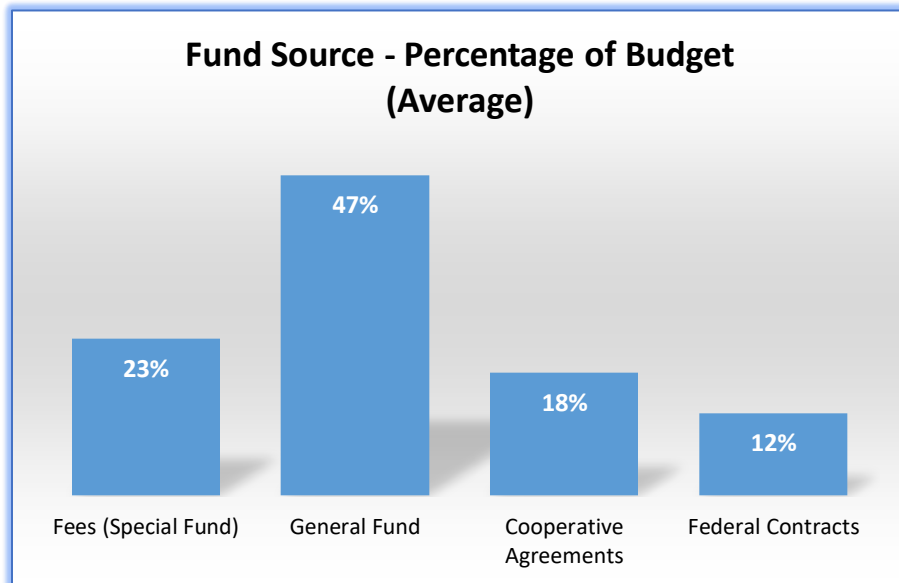


Figure 16. Total number of responses: 42

RETAIL FOOD

A. General Questions

How are retail food establishments regulated in the state?	
State is responsible for licensing and inspecting all food establishments	21%
State licenses and inspects establishments except where local jurisdictions are delegated authority / have their own program	28%
State licenses establishments but inspections are completed by local agencies	3%
Responsibility for licensing and inspections is shared between two or more state agencies	21%
All food establishments are licensed and inspected by local agencies	24%
Other	3%
Total Number of Responses: 58	

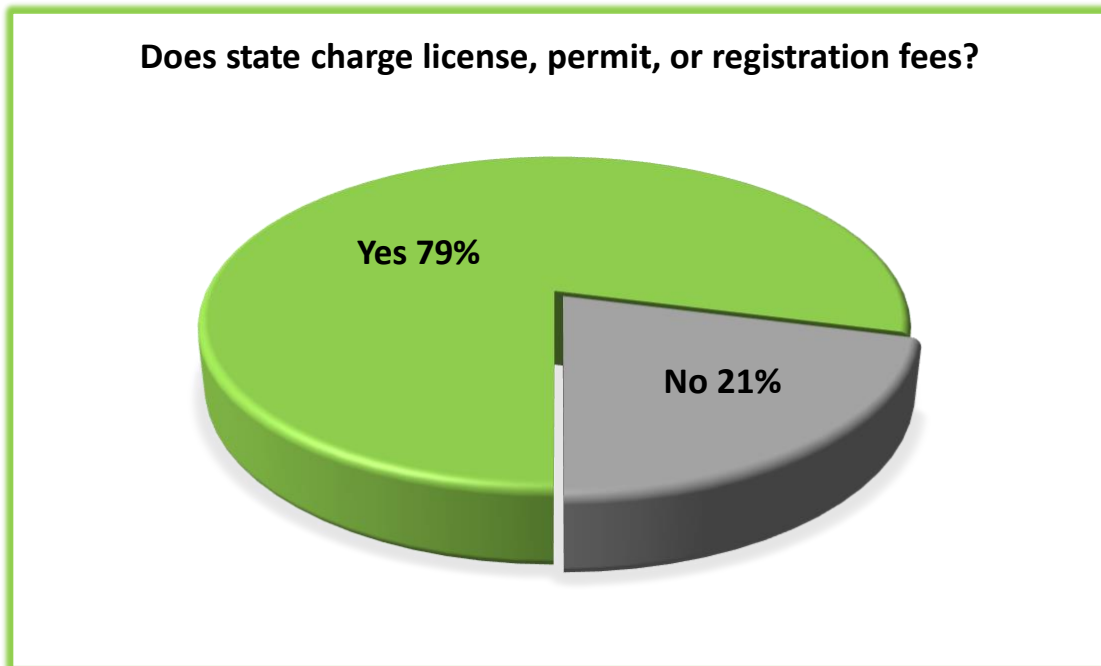


Figure 17. Total number of responses: 58

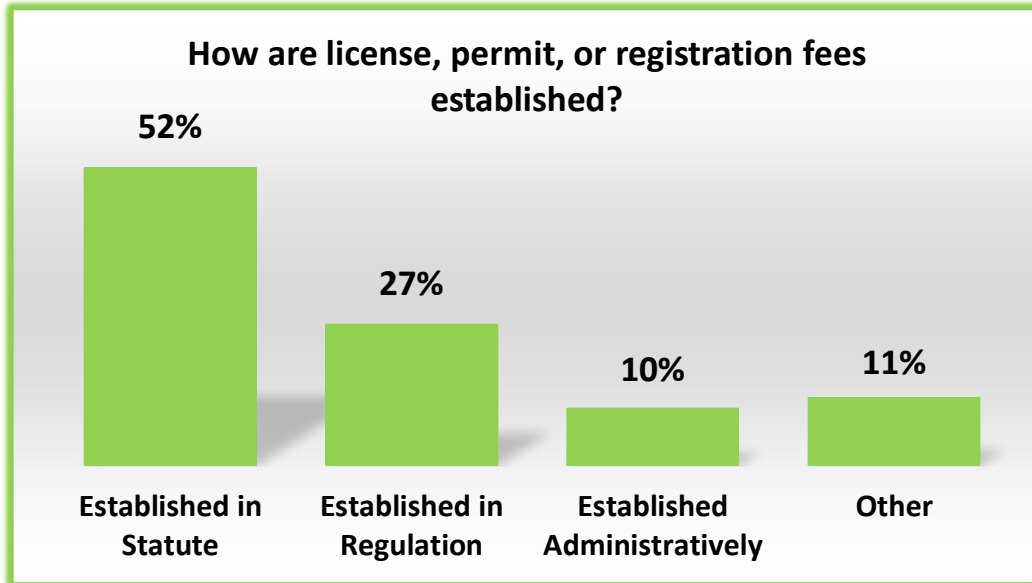


Figure 9. Total number of responses: 58

What factors are license, permit, or registration fees based on?	
Risk	36%
Facility type	57%
Facility square footage	19%
Facility revenue	12%
Number of employees	3%
Other	33%
Total Number of Responses: 58 (Responders may have selected more than one factor)	

Year that license, permit, or registration fees were last adjusted?	
1999 or Prior	8%
2000 - 2009	15%
2010 - 2019	54%
2020 - 2025	23%
Total Number of Responses: 39	

What are the lowest and highest license, permit, or registration fees?	
Lowest Fee (Range)	\$0 - \$787
Lowest Fee (Average)	\$94.01
Highest Fee (Range)	\$0 - \$4,500
Highest Fee (Average)	\$401.16
Total Number of Responses: 58	

State program has responsibility for inspecting retail food establishments involved in processing or handling the following products:	
Hemp at retail	19%
CBD at retail	16%
Marijuana at retail	7%
Medical marijuana at retail	9%
None	66%
Total Number of Responses: 58 (Responders may have selected more than one answer)	

State program that has authority and responsibility for inspecting retail establishments also has authority over other program areas:	
Manufactured Food	55%
Produce	19%
Milk / Dairy	34%
Shellfish	38%
Laboratory	10%
Waste Water	17%
Drinking Water	16%
Pools	38%
Solid Waste	0%
Body Art	29%
Group Gatherings	10%
Healthy Homes - Lead	12%
PFAS	2%
Vector Control	7%
Animal Control	3%
Institutions	10%
Campgrounds	28%
Mobile Home Park	10%
Nuisance	12%
Emergency Response	34%
Bed Bugs / Lodging	36%
Rabies	14%
Funeral Homes	3%
None	12%
Total Number of Responses: 58 (Responders may have selected more than one answer)	

What version of the FDA Model Food Code does your state adopt?	
1995	2%
2001	5%
2005	5%
2009	13%
2009, with supplement	2%
2013	19%
2017	16%
2017, with supplement	6%
2022	24%
2022, with supplement	5%
State-developed code	3%
Total Number of Responses: 62	



Figure 19. Total number of responses: 62

If your state code differs, how does it differ?	
Bare hand contact allowed without approval or alternative procedures	7%
Require additional training for food handlers	20%
Certified Food Protection Manager (CFPM) - one present at all times or PIC *	7%
Certified Food Protection Manager (CFPM) not required	26%
Certified Food Protection Manager (CFPM) one per establishment	51%
Certified Food Protection Manager (CFPM) -other**	6%
Other	6%
No Response	6%
Total Number of Responses: 62	

* States that adopt an earlier version of the code also adopt this specific requirement.

** CFPM for supervisory roles only or as compliance tool



Figure 20. Total number of responses: 62 (Responders may have selected more than one answer).

What criteria do you use to apply risk categories to your facilities?	
Food processes	74%
Specialized processes/HACCP plans	57%
Inspection history	45%
Highly Susceptible Populations	42%
Menu	36%
Local health jurisdiction can set own	29%
Annex 5 list	18%
Permit classification (business type)	13%
Foodborne illness history	11%
None/Not applicable	8%
Volume of sales	8%
Building size or number of employees	7%
Matrix in software	7%
Water/wastewater type	5%
Degree of Active Managerial Control	2%
Other	5%
Total Number of Responses: 62 (Responders may have selected more than one answer)	

How do you determine inspection frequency of your retail food facilities?	
Risk categorization	71%
Up to local health jurisdiction	24%
Policy	23%
Statute	19%
Compliance history	8%
Both statute and policy	3%
Geography	2%
Business type	2%
Not applicable	2%
Total Number of Responses: 62 (Responders may have selected more than one answer)	

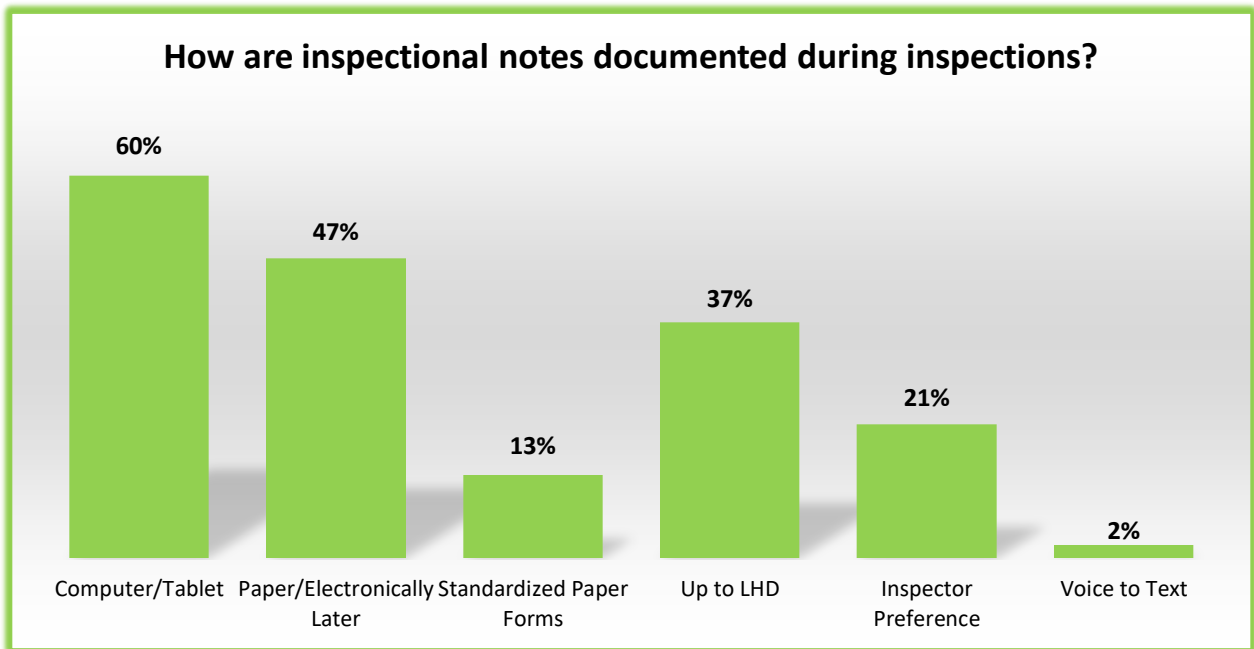


Figure 20. Total number of responses: 62

B. State Inventories and Inspections

Establishment Type	Total Number Licensed or Permitted Facilities	Total Number of State Inspections in 2024
Restaurant / Food Service	502,030	556,623
Grocery, Retail, and Convenience Stores	110,726	80,035
Hospitals, Nursing Homes, Short/Long Term Care	4,236	1,948
Institutional Food Service	25,782	27,686
Day Care (Child or Adult)	5,202	6,583
State Owned Facilities	339	235
Mobile Food Units	58,205	37,251
Temporary Food Service	50,709	19,316
Vending Machine	7,362	1,797
Water Vending Machine	225	2
Ice Vending Machine	389	13
Bakeries	8,601	4,064
Caterers	6,453	4,463
Lodging Food Service (Motel/Hotel)	5,068	2,382
Farmers Market	82	82
Cottage Foods / Home Based Food Operations	35,962	1,003
Breweries / Wineries (Tasting Rooms)	1,008	369
Retail Marijuana / Hemp	1,030	443
Other	23,088	47,807
TOTAL	857,114	792,102
<i>Total Number of Responses: 58</i>		

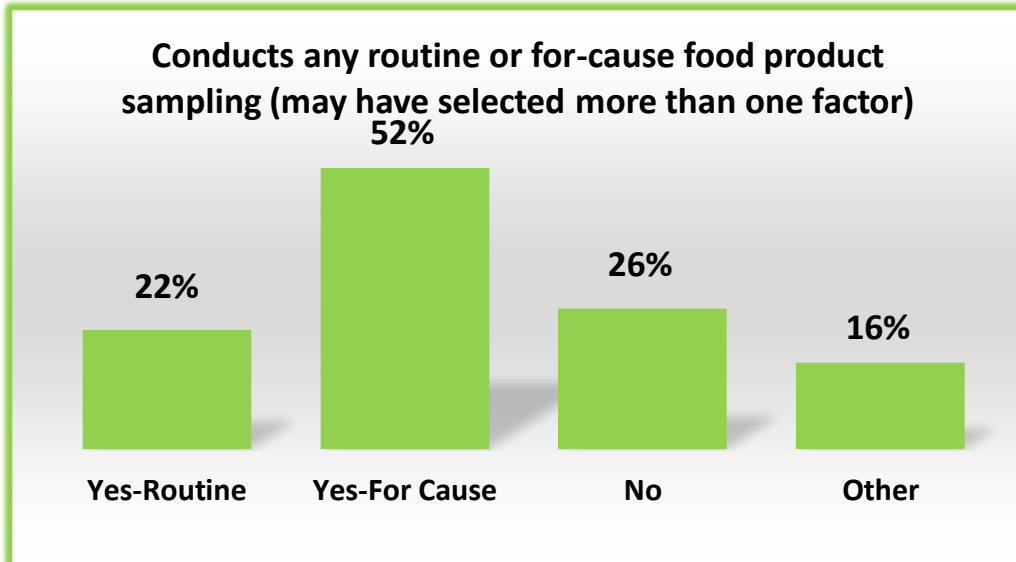


Figure 10. Total number of responses: 58

C. Complaints and Recalls

Total non-foodborne illness related consumer complaints received & investigated in 2024:	
Total Number of Consumer Complaints Received	43,312
Total Number of Consumer Complaints Investigated	33,722
Total Number of Responses: 58	

Total number of alleged illness complaints related to retail food in 2024:	
Number of alleged complaints received	12,161
Number of alleged complaints investigated	8,735
Total Number of Responses: 58	

Total recall and tracing activities that were conducted during 2024:	
Number of recall effectiveness checks conducted	1,588
Total Number of Responses: 58	

D. Foodborne Disease

Agency is responsible for the following functions:	
Surveillance of foodborne disease outbreaks	43%
Epidemiological investigations of foodborne disease outbreaks	36%
Foodborne disease outbreak follow-up inspections / investigations at food establishments	69%
Receiving and investigating alleged foodborne disease complaints	69%
Total Number of Responses: 58 (Responders may have selected more than one answer)	

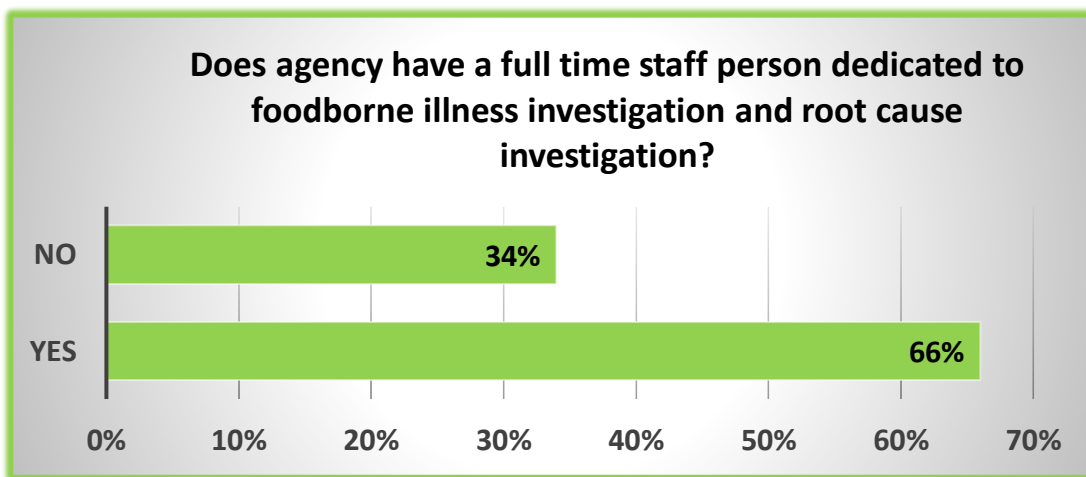


Figure 11. Total Number of Responses: 58

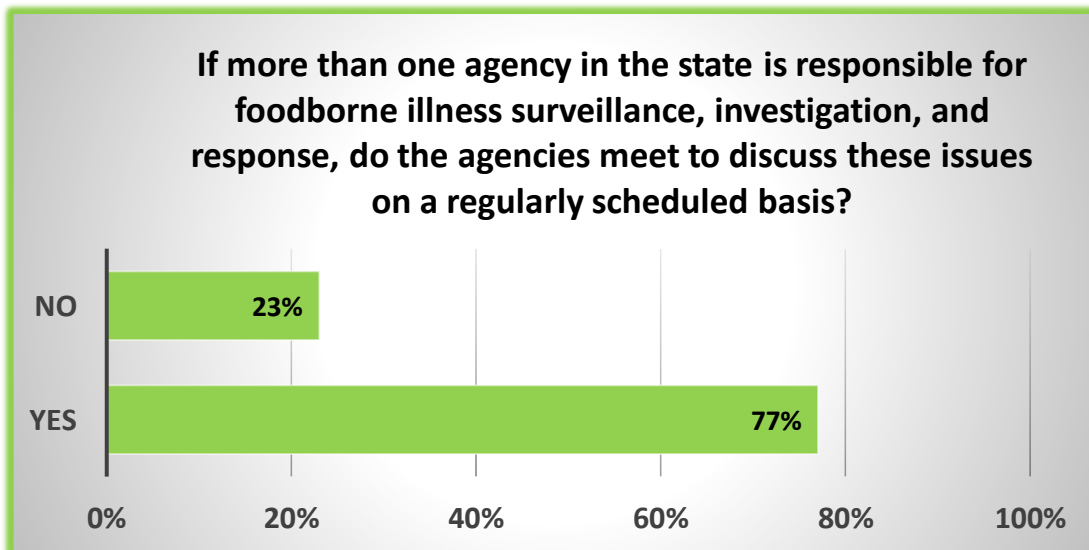


Figure 12. Total Number of Responses: 53

How often do the agencies meet to discuss foodborne illness surveillance, investigation, and response?	
Weekly	20%
Bi-Weekly	10%
Monthly	30%
Bi-Monthly	15%
Quarterly	10%
Annually	5%
As needed	10%
Total Number of Responses: 20	

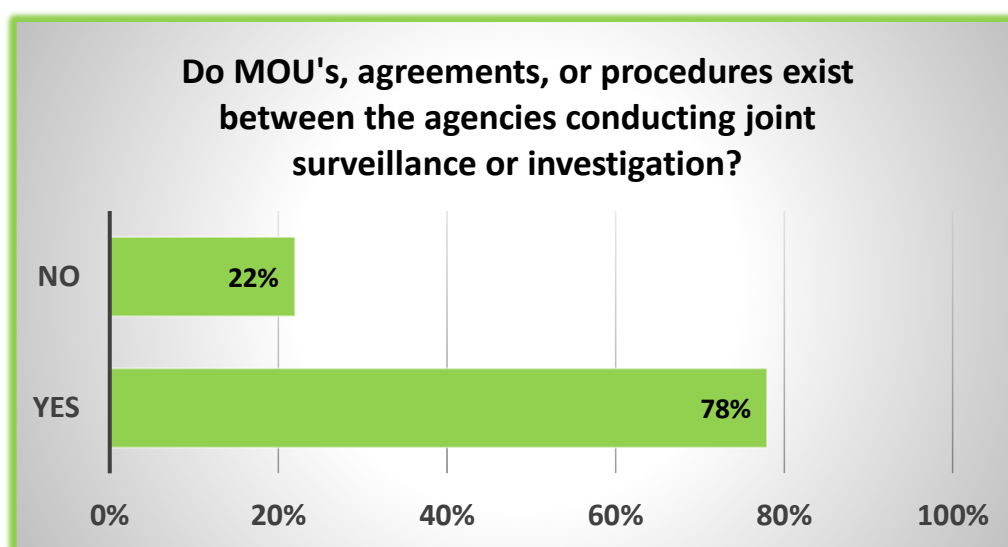


Figure 13. Total Number of Responses: 41

Total number of foodborne disease related activities in 2024:	
Foodborne disease outbreak follow-up inspections or investigations related to retail food agency conducted in 2024	2,617
Confirmed foodborne disease outbreak follow-up inspections or investigations related to retail conducted in 2024	251
Total Number of Responses: 41	

E. Enforcement Authorities and Actions

State Enforcement Authority	State programs reporting they have this enforcement authority	Total number of times enforcement authority was utilized during CY 2024
Embargo/Quarantine/Impound	76%	4,654
Seizure	47%	560
Condemnation	45%	0
Stop Sale Order	48%	281
Voluntary Destruction / Disposal	81%	7,248
Regulatory / Warning Letters	81%	6,667
Health Advisories	41%	8
Monetary Penalties (civil penalties)	62%	1,605
License / Permit Suspension	71%	126
License / Permit Revocation	74%	7
Hearings	79%	35
Closures	78%	2,357
Criminal Complaints	26%	0
Civil Complaints	43%	2,204
Injunctions	43%	10
Inspection Warrants	33%	0
Search Warrants	17%	0
Other	7%	671
Total Number of Responses: 58		

Enforcement Activity in 2024	
Total Number of Monetary Penalties Issued	6,258
Total Amount of Monetary Penalties Issued	\$2,843,498
Total Number of Embargoes and Quarantines	
Total Number of Embargoes and Quarantines	4,639
Total Pounds of Food Embargoed and Quarantined	259,455
Total Value of Food Embargoed and Quarantined	\$85,000
Total Number of Condemnsions or Destructions	
Total Number of Condemnsions or Destructions	75,505
Total Pounds of Food Condemned or Destroyed	10,318,027
Total Value of Food Condemned or Destroyed	\$21,048,222
Total Number of Responses: 58	

F. Staffing

Program Staffing	Total Number of Full Time Equivalent Staff
Field Inspection / Investigation	1,424
Supervisors (Over Field Activities)	255
Compliance & Enforcement (Includes Recall Coordinators)	41
Foodborne Illness Response	39
Industry & Community Relations	10
Quality Management (includes Program Standards and Auditing)	32
Emergency Response	38
Training	43
Administrative Support	141
Managers	102
Other	87
Total State Program FTE's	2,212
<i>Total Number of Responses: 57</i>	

G. Program Funding

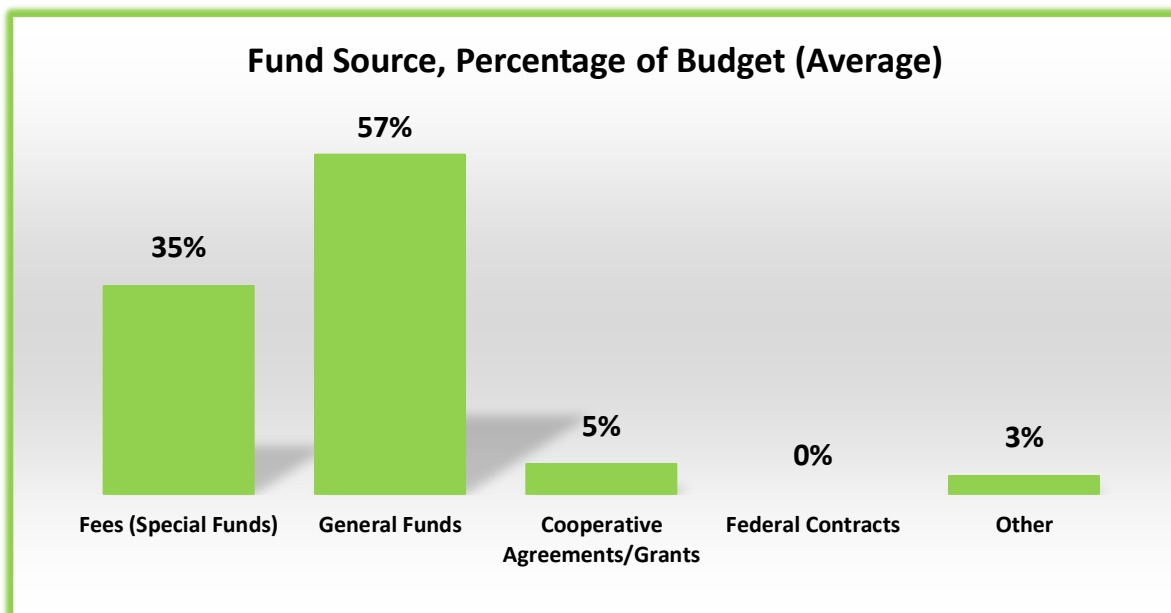


Figure 14. Total number of responses: 53

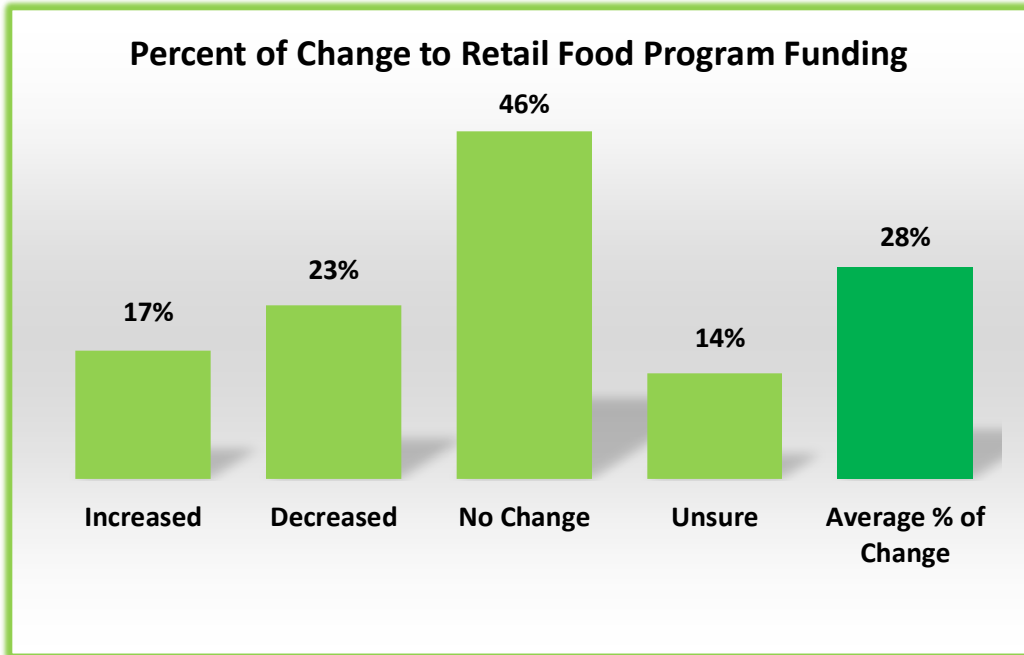


Figure 15. Total number of responses: 16

***GRADE A MILK
AND
MANUFACTURING
MILK***

A. General Questions

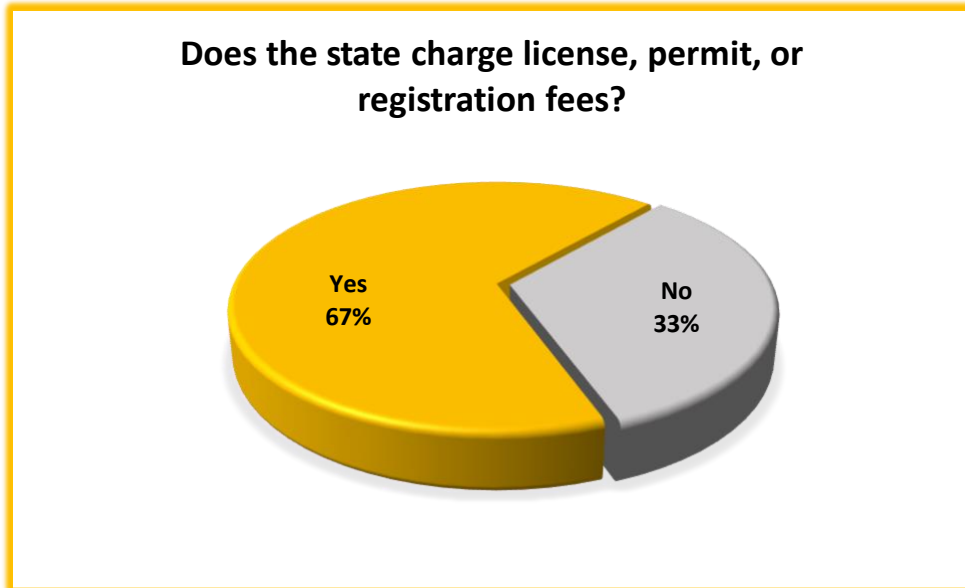


Figure 16. Total number of responses: 48

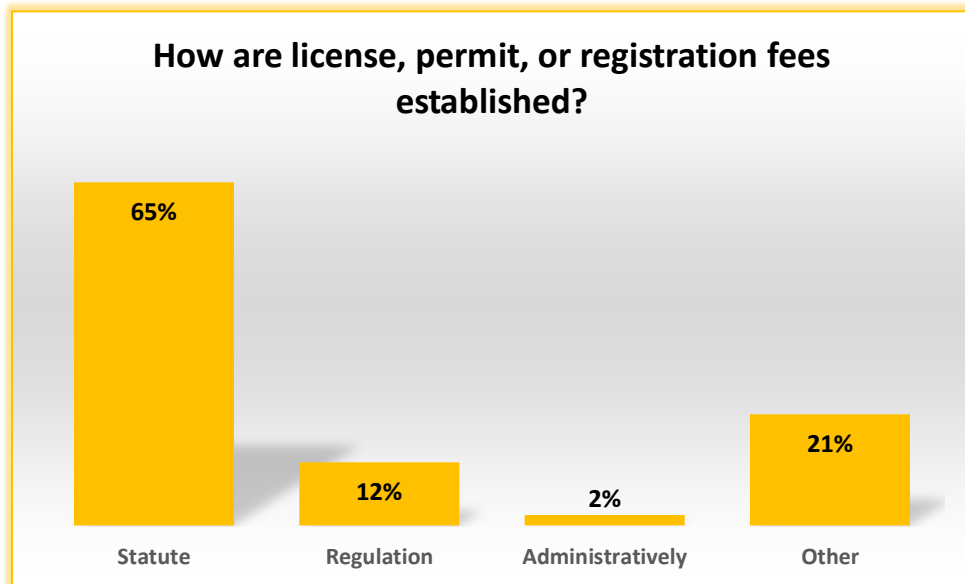


Figure 17. Total number of responses: 48

What factors are license, permit, or registration fees based on?	
Risk	2%
Facility type (or produces processed)	46%
Facility square footage	2%
Facility revenue	4%
Number of employees	0%
Volume of product processed	33%
Other	25%
Total Number of Responses: 48 (Responders may have selected more than one factor)	

Year that license, permit, or registration fees were last adjusted?	
1999 or Prior	10%
2000 - 2009	15%
2010 - 2019	17%
2020 - 2025	21%
Unknown or N/A	37%
Total Number of Responses: 48	

What are the lowest and highest license, permit, or registration fees?	
Lowest Fee (Range)	\$0 - \$380
Highest Fee (Range)	\$0 - \$4,500
Total Number of Responses: 48	

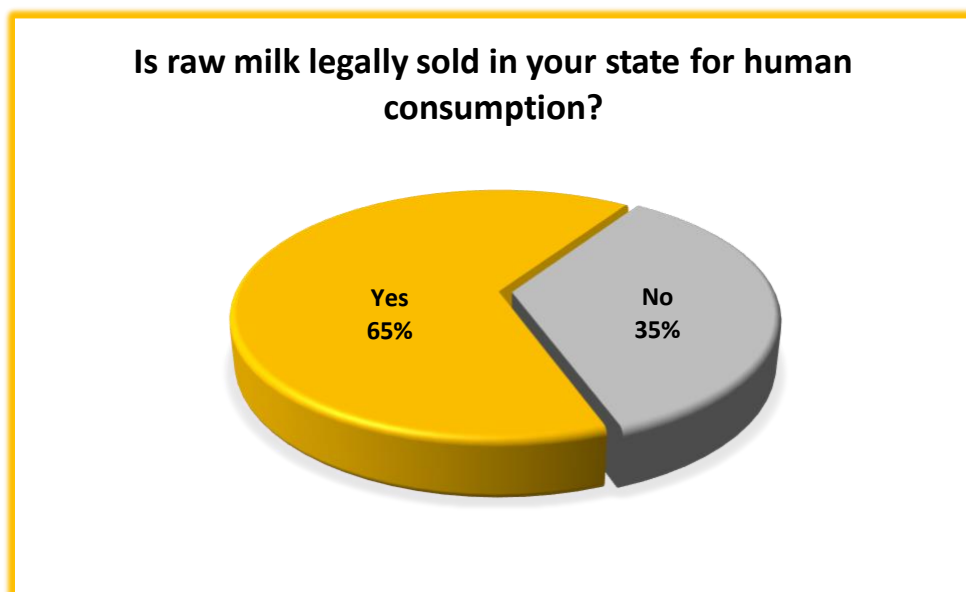


Figure 18. Total number of responses: 48

Are cow shares/herd shares permitted in your state?

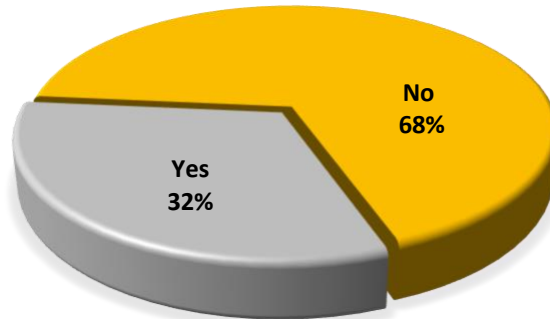


Figure 19. Total number of responses: 47

If raw milk is not legally sold for human consumption, is raw milk labelled as pet food allowed to be sold?

Yes	71%
No	29%
Total Number of Responses: 17	

How are inspectional notes documented during inspections?

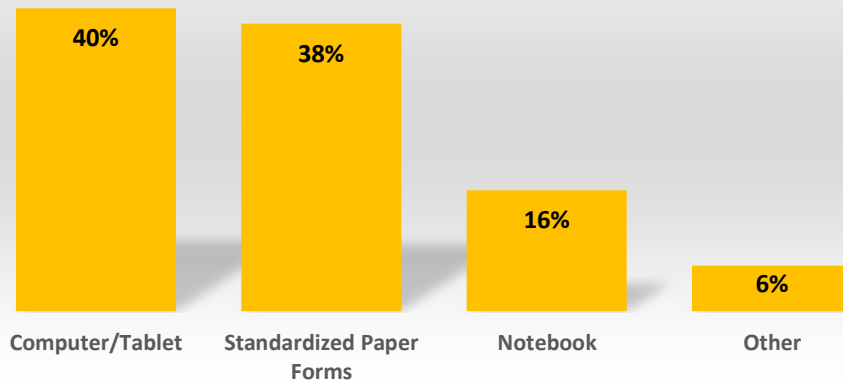


Figure 20. Total number of responses: 46

B. State Inventories and Inspections

Establishment Type	Total Number Licensed or Permitted Facilities	Total Number of State Inspections in 2024
Milk Producers	19,696	51,184
Grade A Milk Plants (with no manufacturing grade dairy products)	455	4,887
Grade A Milk Plants (with manufacturing grade dairy products)	988	3,763
Receiving/Transfer Stations	167	632
Milk Distributor	1,585	521
Bulk Milk Hauler/Sampler	18,076	9,340
Industry Plant Samplers	4,354	2,925
Milk Tank Trucks	15,068	9,918
Freestanding Tanker Washing Facilities (i.e., not attached to a milk plant)	236	484
Single Service Container Facility	470	1,075
FDA Contract Inspections		359
Manufacturing Milk Only Firms	2,689	6,788
Other	2,849	749
TOTAL	66,633	92,625
<i>Total Number of Responses: 48 (some could not provide answers for all categories)</i>		

C. Complaints, Recalls, Tracebacks, and Traceforwards

Total non-foodborne illness related consumer complaints received & investigated in 2024:	
Total Number of Consumer Complaints Received (Grade-A)	174
Total Number of Consumer Complaints Investigated (Grade-A)	163
Total Number of Consumer Complaints Received (Manufacturing Milk)	88
Total Number of Consumer Complaints Investigated (Manufacturing Milk)	90
Total Number of Responses: 48	

Total recall and tracing activities that were conducted during calendar year 2024:	
Tracebacks / Traceforwards related to Grade-A & Manufacturing Milk	60
Recalls overseen related to firms under the state’s jurisdiction	50
Recalls initiated as a result of investigative activities conducted by the state	48
Number of recall effectiveness checks conducted	124
Total Number of Responses: 48	

D. Foodborne Disease

Total number of foodborne disease related activities in 2024:	
Alleged foodborne disease complaints (including ill food worker complaints) received	31
<u>Confirmed</u> foodborne disease outbreak <u>follow-up inspections or investigations</u> the agency conducted	17
Foodborne disease outbreak <u>investigations</u> the agency conducted (confirmed + unconfirmed)	53
Total Number of Responses: 47-48	

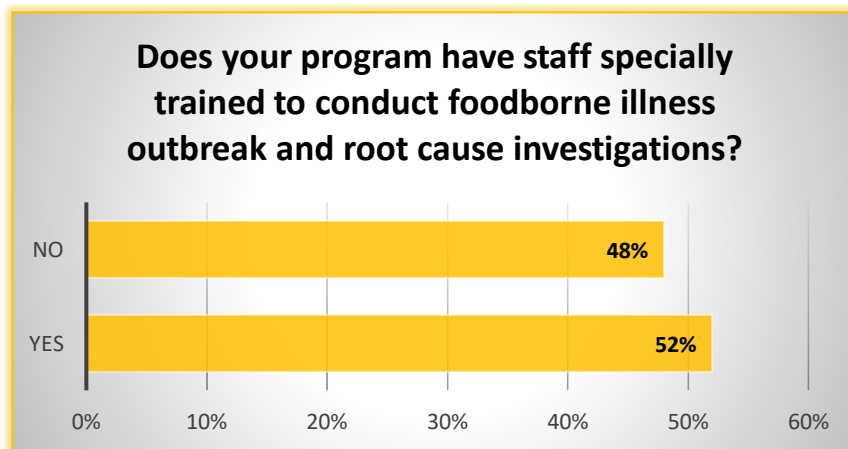


Figure 30. Total number of responses: 48

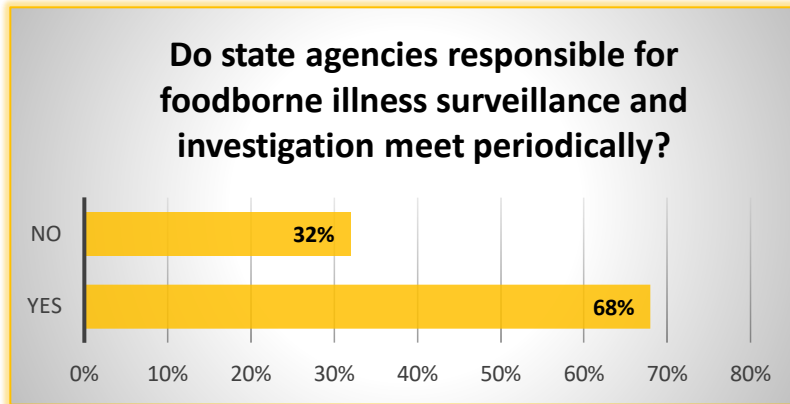


Figure 31. Total number of responses: 47

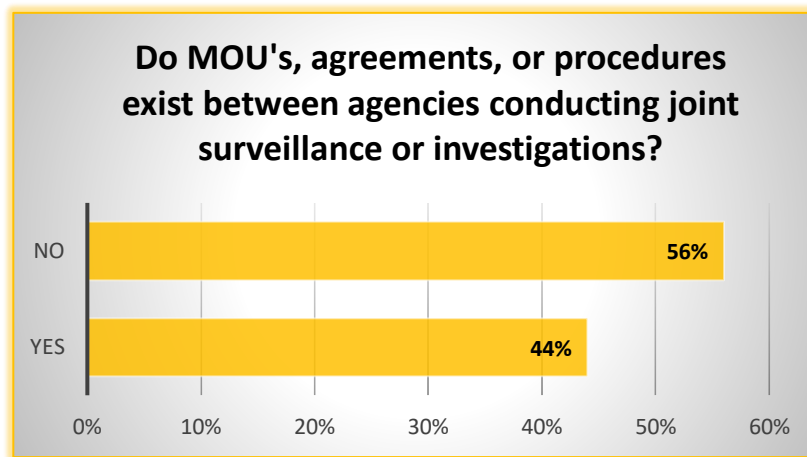


Figure 21. Total number of responses: 48

E. Highly Pathogenic Avian Influenza (HPAI) Activities

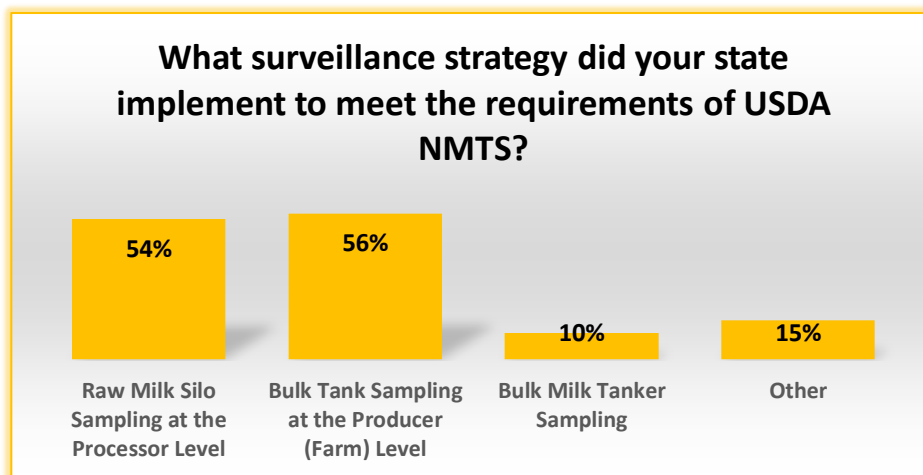


Figure 33. Total number of responses: 48

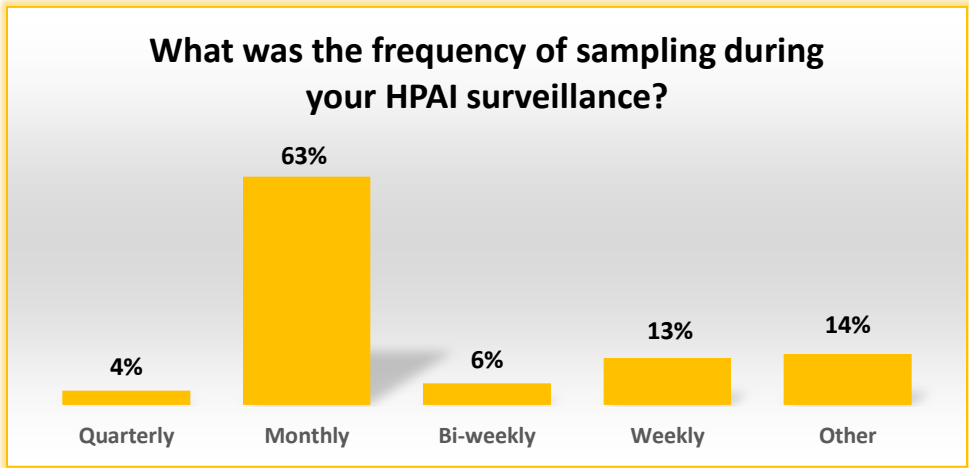


Figure 22. Total number of responses: 48

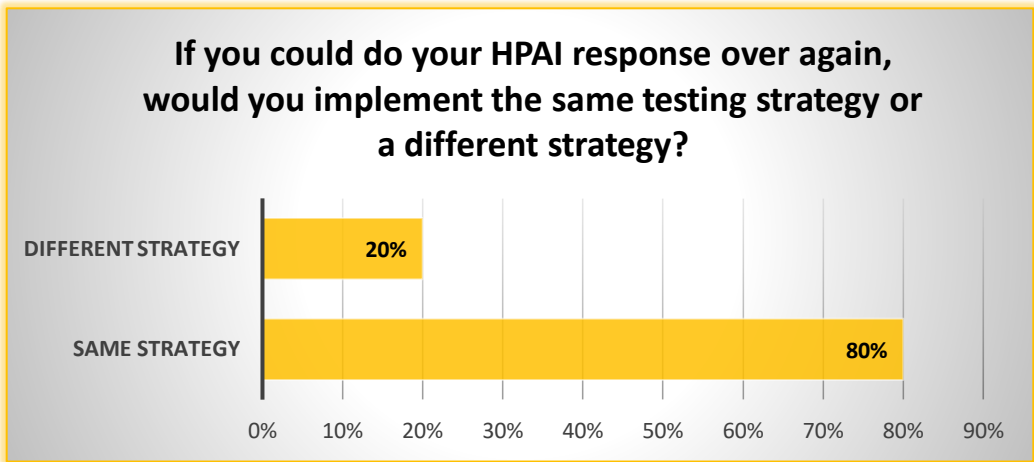


Figure 35. Total number of responses: 44

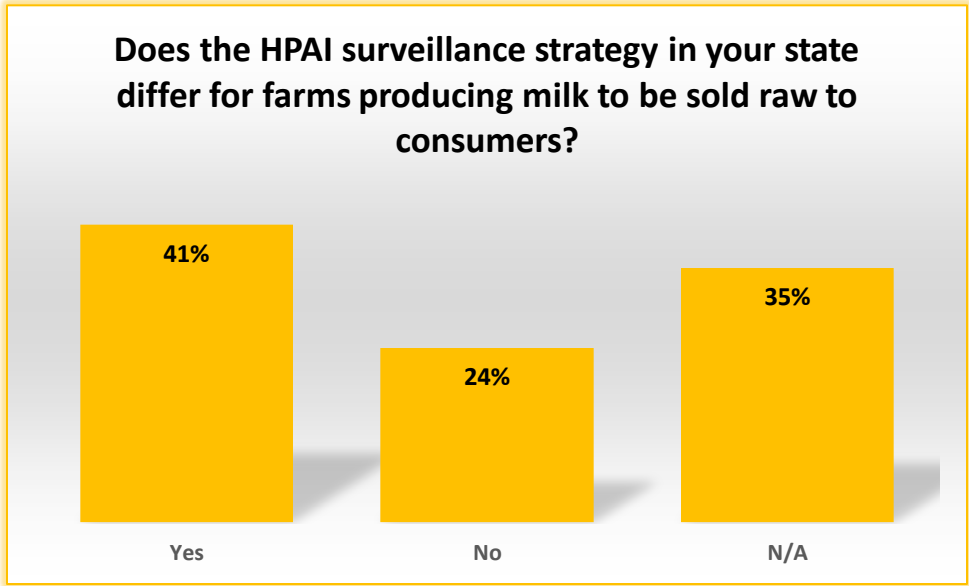


Figure 36. Total number of responses: 46

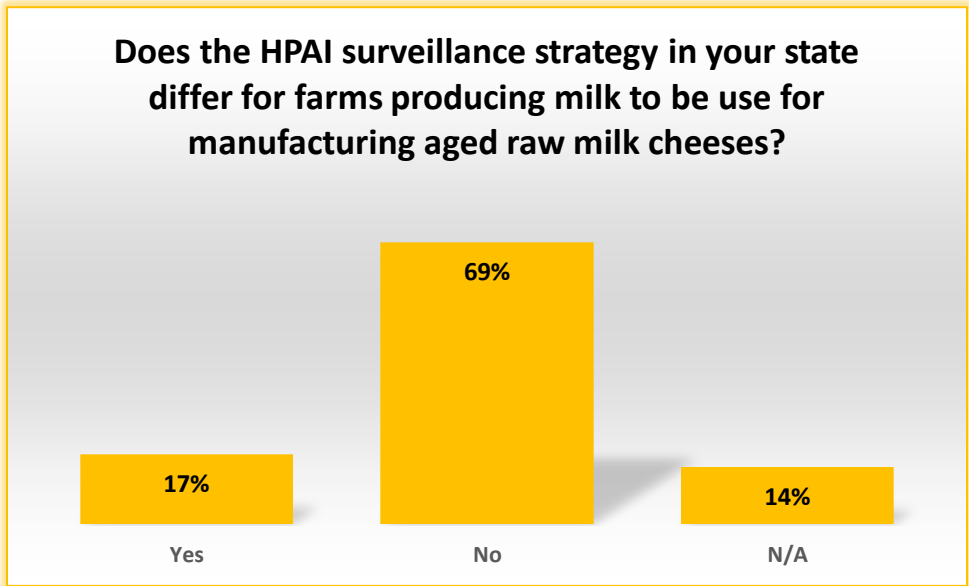


Figure 37. Total number of responses: 48

F. Enforcement Authorities and Actions

State Enforcement Authority	State programs reporting they have this enforcement authority	Total number of times enforcement authority was utilized in Grade-A Plants in CY 2024	Total number of times enforcement authority was utilized in Manufacturing Milk Plants in CY 2024
Warning Letters / Notice of Violation	100%	1,846	384
Permitted Firms De-listed	98%	9	0
Embargo/Quarantine/Impound	94%	5	4
Seizure	81%	1	0
Condemnation	81%	2	0
Mandatory Recall	77%	15	14
Mandatory Destruction	77%	20	6
Voluntary Destruction / Disposal	98%	10	11
Monetary Penalties (civil penalties)	63%	28	26
License / Permit Suspension	100%	55	13
License / Permit Revocation	96%	1	1
Hearings	98%	3	1
Criminal Complaints	42%	0	0
Civil Complaints	60%	0	4
Injunctions	50%	0	0
Inspection Warrants	50%	0	0
Search Warrants	35%	0	0
Total Number of Responses: 48 (Some responders could not track or break down specific activities)			

Enforcement Activity in 2024	
Total Number of Monetary Penalties Issued	221
Total Amount of Monetary Penalties Issued	\$18,880
Total Number of Embargoes and Quarantines	6
Total Pounds of Milk & Manufacturing Milk Products Embargoed and Quarantined	81,580
Total Value of Milk & Manufacturing Milk Products Embargoed and Quarantined	\$163,700
Total Number of Condemnsions or Destructions	54
Total Pounds of Milk & Manufacturing Milk Products Condemned or Destroyed	1,176,919
Total Value of Milk & Manufacturing Milk Products Condemned or Destroyed	\$2,252,838
Total Number of Responses: 48 (some did not report all areas)	

G. Staffing

Program Staffing	Total Number of Full Time Equivalent Staff
Milk Inspectors (Grade A & Manufacturing Milk)	357
Inspectors Dedicated to Grade A Only	34
Milk Sanitation Rating Officers (SRO)	89
Compliance Officers	23
Supervisor	54
Emergency Response	16
Manager	42
Other Administrative Staff	61
Laboratory Evaluation Officers (LEO)	73
Other	11
Total State Program FTE's	761
Total Number of Responses: 48	

H. Program Funding

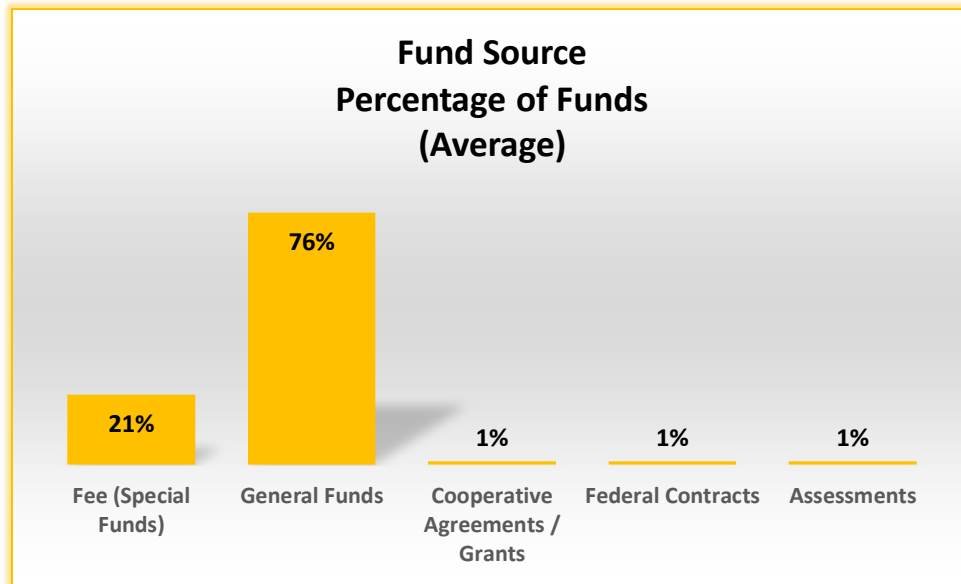


Figure 38. Total Number of Responses: 45

SHELLFISH

A. General Questions

How are shellfish regulated by the state?	
One state program is responsible for licensing and inspecting all shellfish related operations (including growing areas)	63%
Responsibility for licensing and inspecting shellfish related operations is shared between two or more state agencies	37%
Total Number of Responses: 35	

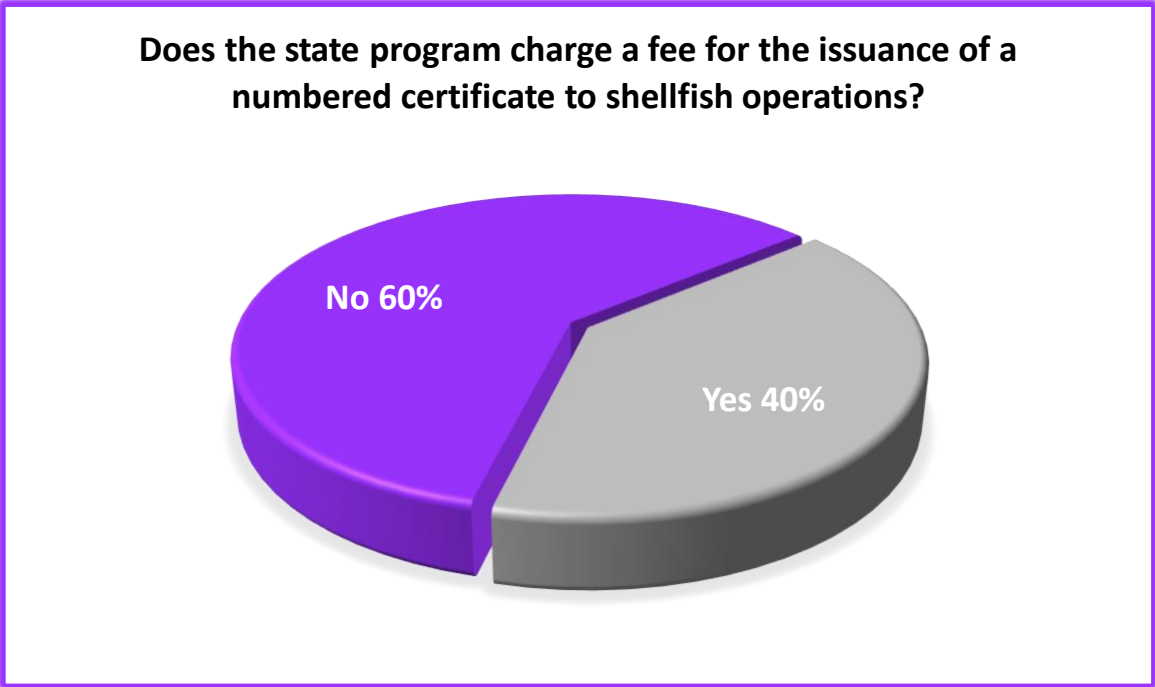


Figure 39. Total Number of Responses: 35

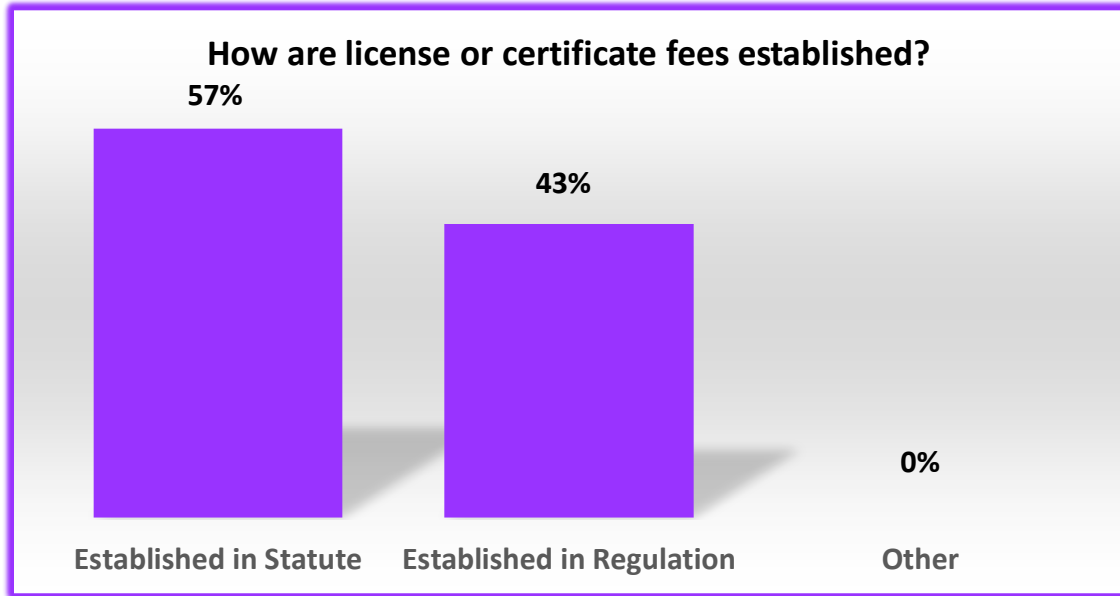


Figure 40. Total Number of Responses: 14

What factors are certificate fees based on?	
Facility type (RS, SS, SP, DP, etc.)	71%
Facility square footage	14%
Facility revenue	21%
Volume of shellstock handled or sold	14%
Number of employees	0%
Other	43%
Total Number of Responses: 14 (Responders may have selected more than one factor)	

Year that license or certificate fees were last adjusted?	
1999 or prior	0%
2000 - 2009	14%
2010 - 2019	20%
2020 - 2025	3%
Unknown or N/A	63%
Total Number of Responses: 35	

What are the lowest and highest license or certificate fees?	
Lowest Fee (Range)	\$0 - \$616
Lowest Fee (Average)	\$194.85
Highest Fee (Range)	\$0 - \$3,622
Highest Fee (Average)	\$823.93
Total Number of Responses: 35	

Does the state program offer food safety training to the shellfish industry?	
Yes	63%
No	37%
Total Number of Responses: 35	
If yes, what types of training does your state program offer?	
Sanitation (SSOPs)	64%
Seafood HACCP	77%
Recalls	14%
Allergen Control	14%
Labeling	32%
Other	45%
Total Number of Responses: 22 (Responders may have selected more than one training type)	

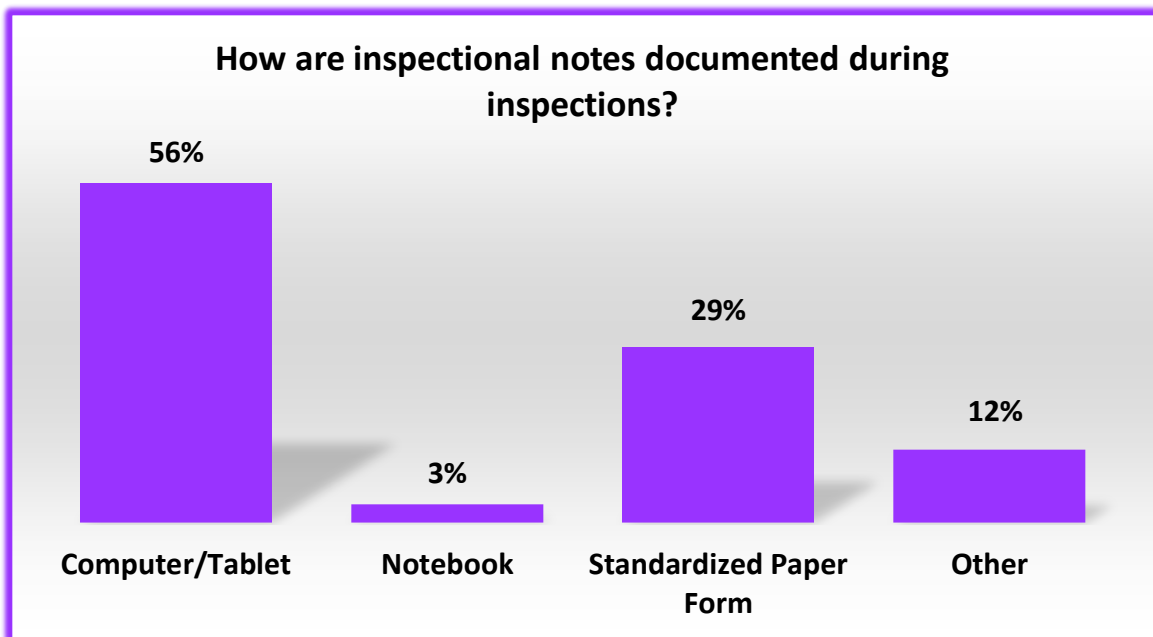


Figure 41. Total Number of Responses: 34

B. State Inventories and Inspections

Establishment Type	Total Number of Certificates Issued	Total Number of State Inspections in 2024
Depuration Processor (DP)	7	62
Repacker (RP)	13	39
Reshipper (RS)	699	1,203
Shellstock Shipper (SS)	1,874	4,384
Shucker-Packer (SP)	249	1,064
Post-Harvest Processor (PHP)	13	48
Aquaculture (AQ)	1,558	1,451
Wet Storage (WS)	122	158
Other	87	89
TOTAL	4,622	8,498
<i>Total Number of Responses: 35</i>		

C. Complaints, Recalls, Tracebacks, and Traceforwards

Total non-foodborne illness related consumer complaints received & investigated in 2024:	
Total number of complaints related to shellfish received	63
Total number of complaints related to shellfish investigated	62
<i>Total Number of Responses: 35</i>	

Total recall and tracing activities that were conducted during calendar year 2024:	
Tracebacks / Traceforwards related to shellfish	417
Recalls overseen related to shellfish firms under the state's jurisdiction	43
Shellfish recalls initiated as a result of investigative activities conducted by the state	6
Number of shellfish related recall effectiveness checks conducted	231
<i>Total Number of Responses: 35</i>	

D. Foodborne Disease

Total number of foodborne illness related activities attributed to shellfish in 2019:	
Alleged foodborne illness complaints	386
Foodborne illness complaint <u>investigations</u> agency conducted (confirmed + unconfirmed)	135
<i>Total Number of Responses: 35</i>	

E. Enforcement Authorities and Actions

State Enforcement Authority	State programs reporting they have this enforcement authority	Total number of times enforcement authority was utilized during CY 2024
Embargo/Quarantine/Impound	89%	31
Seizure	69%	9
Condemnation	71%	4
Stop Sale Order	63%	0
Voluntary Destruction / Disposal	94%	54
Regulatory / Warning Letters	89%	162
Health Advisories	74%	7
Monetary Penalties (civil penalties)	77%	34
License / Permit Suspension	80%	2
License / Permit Revocation	89%	2
Hearings	83%	28
Closures	80%	40
Criminal Complaints	49%	38
Civil Complaints	54%	6
Injunctions	54%	0
Inspection Warrants	54%	0
Search Warrants	37%	0
Other	6%	6
Total Number of Responses: 35		

Enforcement Activity in 2024	
Total Number of Monetary Penalties Issued	44
Total Amount of Monetary Penalties Issued	\$8,442
Total Number of Embargoes and Quarantines	16
Total Pounds of Shellfish Embargoed and Quarantined	15,712
Total Value of Shellfish Embargoed and Quarantined	\$102,500
Total Number of Condemnsions or Destructions	33
Total Pounds of Shellfish Condemned or Destroyed	10,523
Total Value of Shellfish Condemned or Destroyed	\$283,027
Total Number of Responses: 35	

F. Staffing

Program Staffing	Total Number of Full Time Equivalent Staff
Field Inspection / Investigation	59
Supervisors	16
Compliance & Enforcement (Includes Recall Coordinators)	85
Emergency Response	16
Industry & Community Relations	12
Quality Management (includes Program Standards and Auditing)	9
Training Outreach	8
Administrative Support	15
Managers	19
Other	25
Total State Program FTE's	264
<i>Total Number of Responses: 35</i>	

G. Program Funding

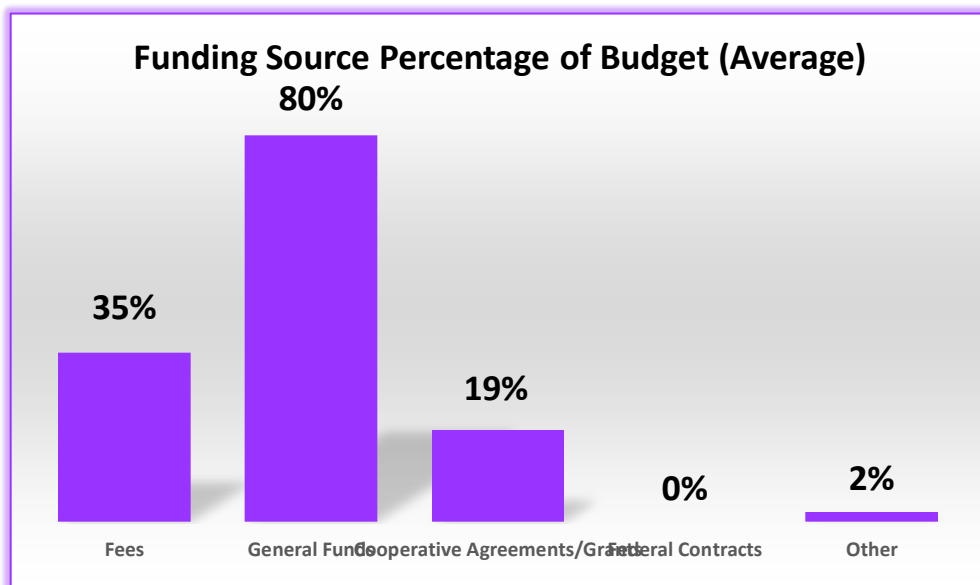


Figure 42. Total Number of Responses: 35

MEAT AND POULTRY

A. General Questions

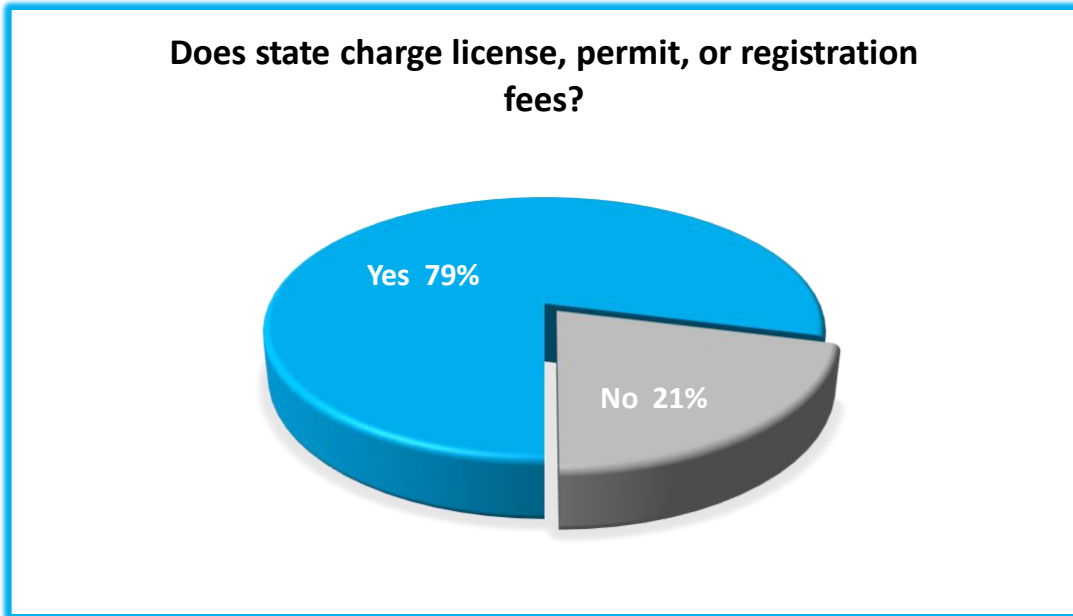


Figure 43. Total Number of Responses: 19

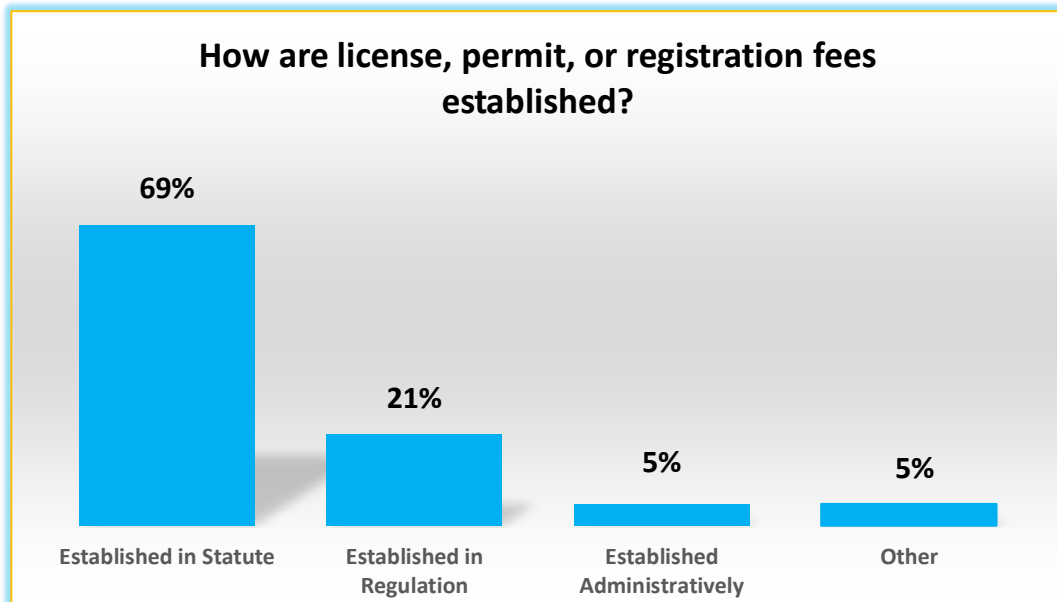


Figure 44. Total Number of Responses: 19

What factors are license, permit, or registration fees based on?	
Risk	0%
Facility type or products processed	53%
Facility square footage	0%
Facility revenue	11%
Number of employees	0%
Volume of product processed	11%
Other	42%
Total Number of Responses: 19 (Responders may have selected more than one factor)	

Year that license, permit, or registration fees were last adjusted?	
1999 or Prior	31%
2000 - 2009	11%
2010 - 2019	11%
2020 - 2025	26%
Unknown or N/A	21%
Total Number of Responses: 19	

What are the lowest and highest license, permit, or registration fees?	
Lowest Fee (Range)	\$0 - \$253
Lowest Fee (Average)	\$55.63
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Highest Fee (Range)	\$0 - \$7,000
Highest Fee (Average)	\$731.58
Total Number of Responses: 19	

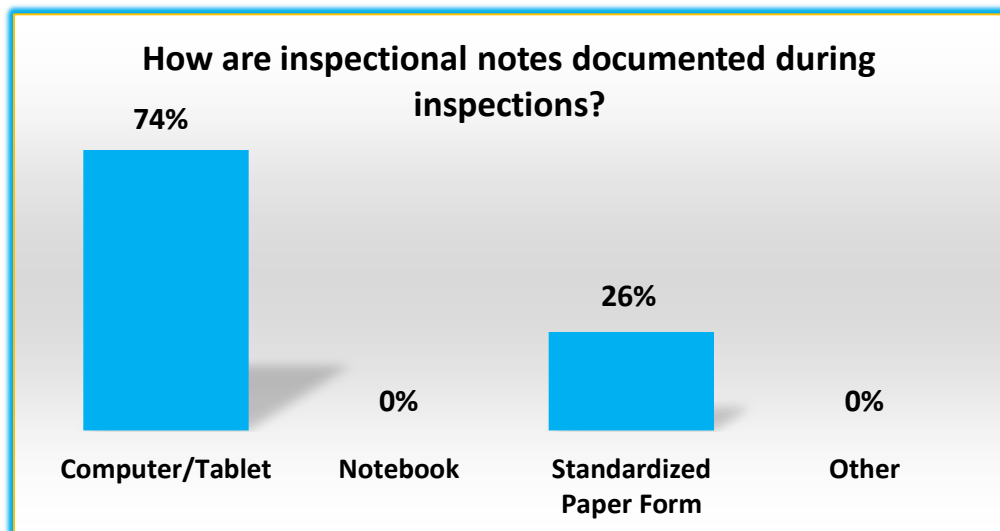


Figure 45. Total Number of Responses: 19

B. State Inventories and Inspections

Establishment Type	Total Number of Firms Licensed	Total Number of State Inspections in 2024
Small Animal Slaughterhouses (Meat & Poultry)	440	74,418
Custom Exempt Meat	1,098	3,147
Custom Exempt Poultry	110	111
Retail Processing Establishments	2,630	1,466
Wild Game	271	48
Pet Food	264	124
Live Animal Markets	46	128
Rendering Plants	12	26
Other	2,198	28,242
TOTAL	7,069	107,710
<i>Total Number of Responses: Varies by type, range is 17-19</i>		

C. Complaints and Recalls

Total non-foodborne illness related consumer complaints received & investigated in 2024:	
Total number of complaints received	338
Total number of complaints investigated	135
<i>Total Number of Responses: 19</i>	

Total recall activities that were conducted during calendar year 2024:	
Recalls overseen related to firms under the state's jurisdiction	51
Recalls initiated as a result of investigative activities conducted by the state	26
Number of recall effectiveness checks conducted	92
<i>Total Number of Responses: 19</i>	

D. Enforcement Authorities and Actions

State Enforcement Authority	State programs reporting they have this enforcement authority	Total number of times enforcement authority was utilized during CY 2024
Embargo/Quarantine/Impound	68%	34
Seizure	89%	0
Condemnation	84%	17
Stop Sale Order	79%	35
Voluntary Destruction / Disposal	89%	499
Regulatory / Warning Letters	95%	569
Health Advisories	58%	1
Monetary Penalties (civil penalties)	68%	45
License / Permit Suspension	95%	16
License / Permit Revocation	95%	1
Hearings	89%	48
Closures	63%	0
Criminal Complaints	53%	0
Civil Complaints	68%	64
Injunctions	53%	0
Inspection Warrants	42%	0
Search Warrants	37%	0
Total Number of Responses: Varies by authority, range is 17-19		

Enforcement Activity in 2024	
Total Number of Monetary Penalties Issued	45
Total Amount of Monetary Penalties Issued	\$238,935
Total Number of Embargoes and Quarantines	
Total Number of Embargoes and Quarantines	34
Total Pounds of Meat/Poultry Embargoed and Quarantined	101,257
Total Value of Meat/Poultry Embargoed and Quarantined	\$576,152
Total Number of Condemns and Destructions	
Total Number of Condemns or Destructions	517
Total Pounds of Meat/Poultry Condemned or Destroyed	189,073
Total Value of Meat/Poultry Condemned or Destroyed	\$1,075,697
Total Number of Responses: Varies by activity, range is 15-19	

E. Staffing

Program Staffing	Total Number of Full Time Equivalent Staff
Inspection	435
Supervisors (Over Field Activities)	70
Compliance & Enforcement (Includes Recall Coordinators)	46
Emergency Response	1
Administrative Support	38
Managers	35
Other	22
Total State Program FTE's	647
<i>Total Number of Responses: 19</i>	

F. Program Funding

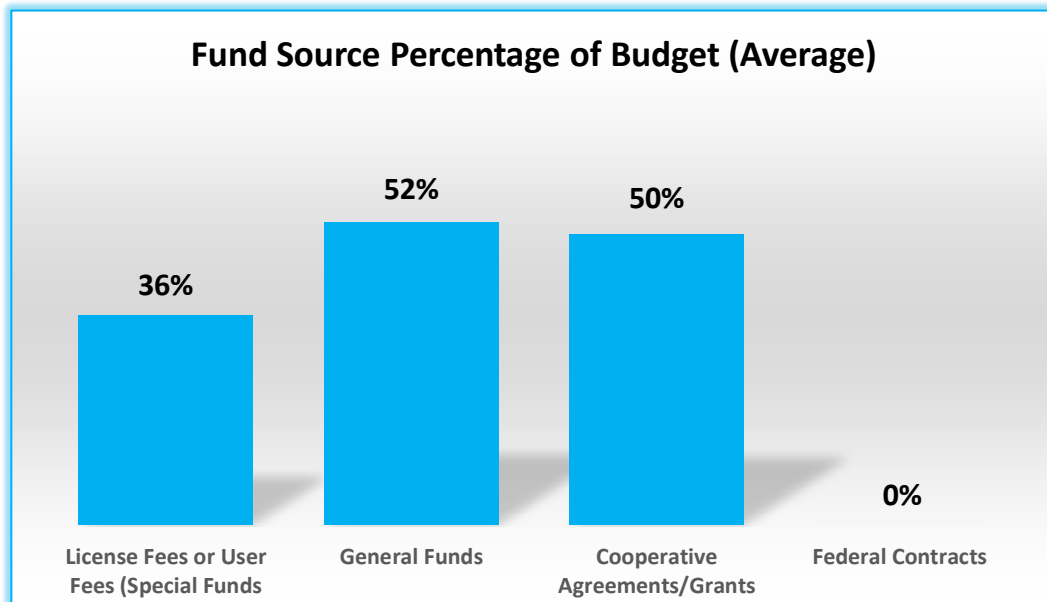


Figure 46. Total Number of Responses: 19

PRODUCE

A. General Questions

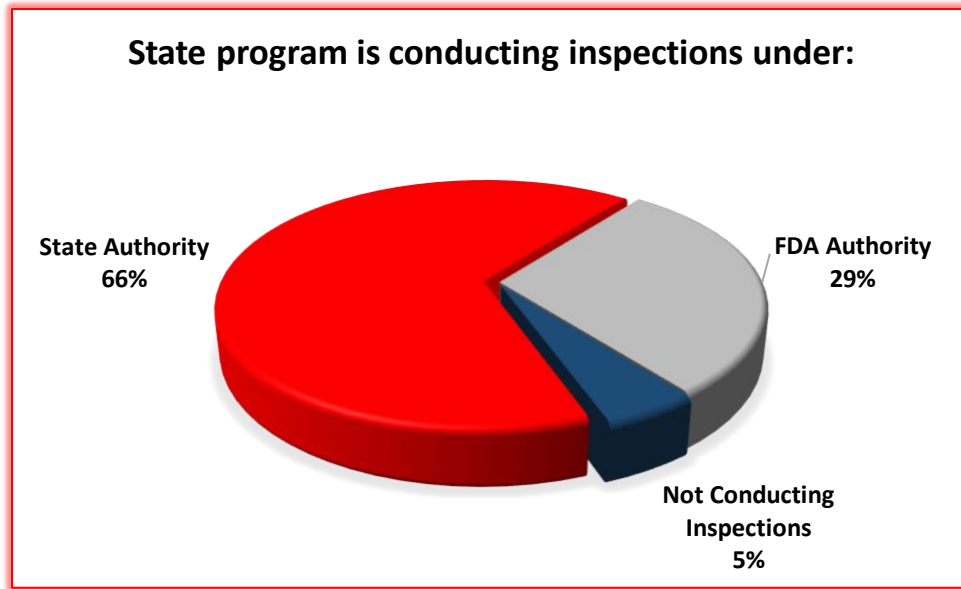


Figure 47. Total Number of Responses: 38

If you are a Path "B" state, are you planning to become a Path "C" state?	
Yes	0%
No	100%
Total Number of Responses: 12	

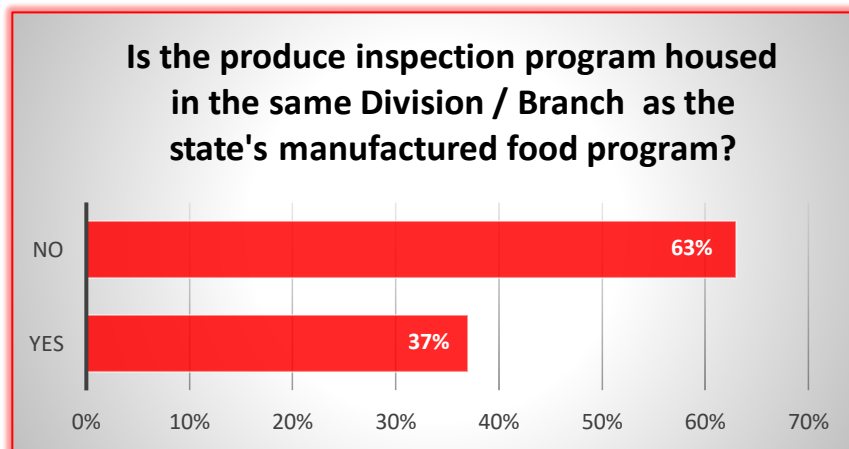


Figure 48. Total Number of Responses: 38

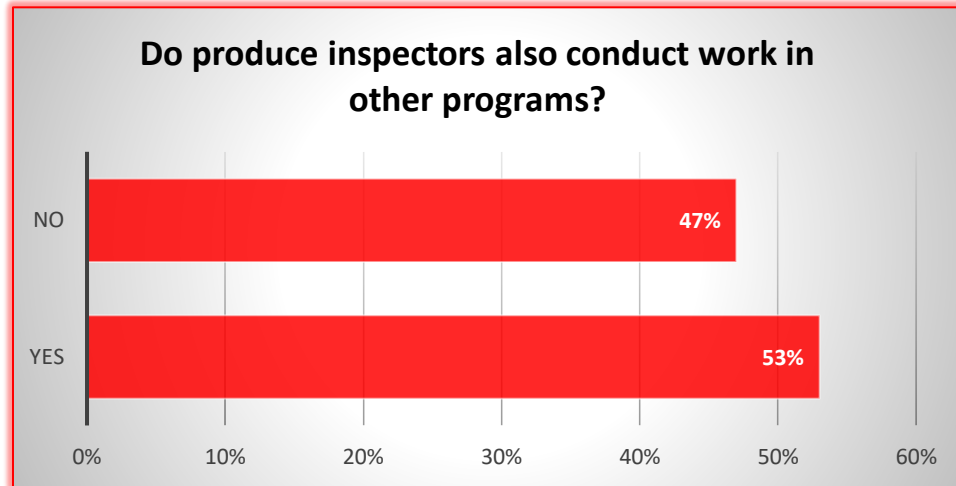


Figure 49. Total number of responses: 43

Is your state conducting On Farm Readiness Reviews (OFRR)?	
Yes	71%
No	29%
Total Number of Responses: 38	

If OFRRs' are completed, who conducts them?	
State Program	67%
Contractor (cooperative extension, etc.)	1%
Both	30%
Total Number of Responses: 30	

Number of OFRR's conducted in 2024:	
OFRR's Conducted	158
Total Number of Responses: 38	

B. Inventories and Inspections

	Verified farms in the state's inventory	Farms in inventory with qualified exemption	Number of produce inspections completed in 2024 (excluding sprouts)
Total Inventory and Inspections	37,216	5,853	2,592
Total Number of Responses: 37			

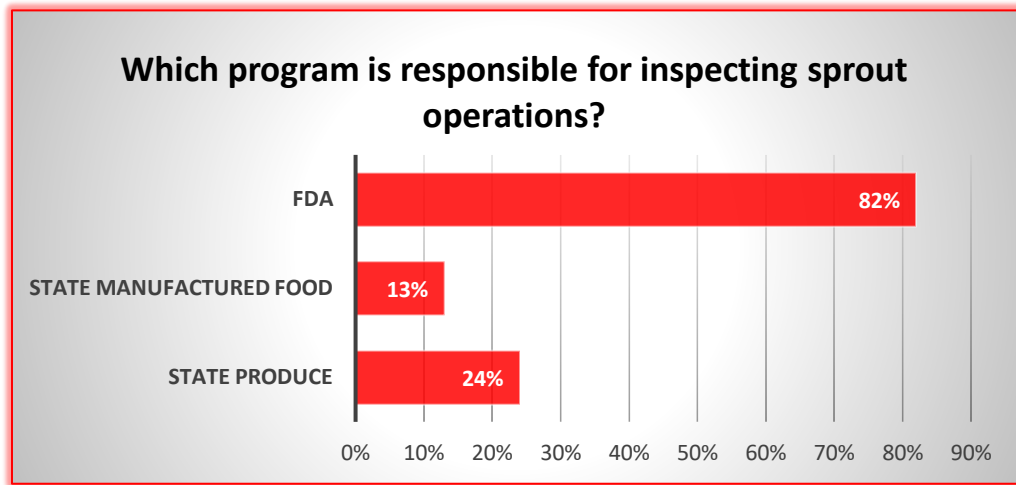


Figure 50. Total Number of Responses: 38 (Note: More than one category may have been selected by each program)

Number of sprout operations inspected by the state produce inspection program in 2024:	
Total Inspections	4
Total Number of Responses: 38	

Complaints related to farm activities or growing operations received and investigated in 2024:	
Total number of complaints received	37
Total number of complaints investigated	33
Total Number of Responses: 38	

C. Enforcement Authorities and Actions

State Enforcement Authority	State programs reporting they have this enforcement authority	Total number of times enforcement authority was utilized during CY 2024
Embargo/Quarantine	3%	0
Seizure	45%	4
Condemnation	39%	0
Stop Sale Order	61%	0
Voluntary Destruction / Disposal	71%	10
Regulatory / Warning Letters	74%	18
Health Advisories	39%	0
Monetary Penalties (civil penalties)	61%	2
Criminal Complaints	24%	0
Civil Complaints	37%	8
Injunctions	42%	0
Inspection Warrants	32%	0
Search Warrants	24%	0
Total Number of Responses: 38		

D. Staffing

Program Staffing	Total Number of Full Time Equivalent Staff
Produce Field Inspection / Investigation	81
Direct Program Management (Over Field Activities)	33
Training / Outreach	15
Administrative Support	15
Other	2
Total State Program FTE's	
Total Number of Responses: 38	

E. Program Funding

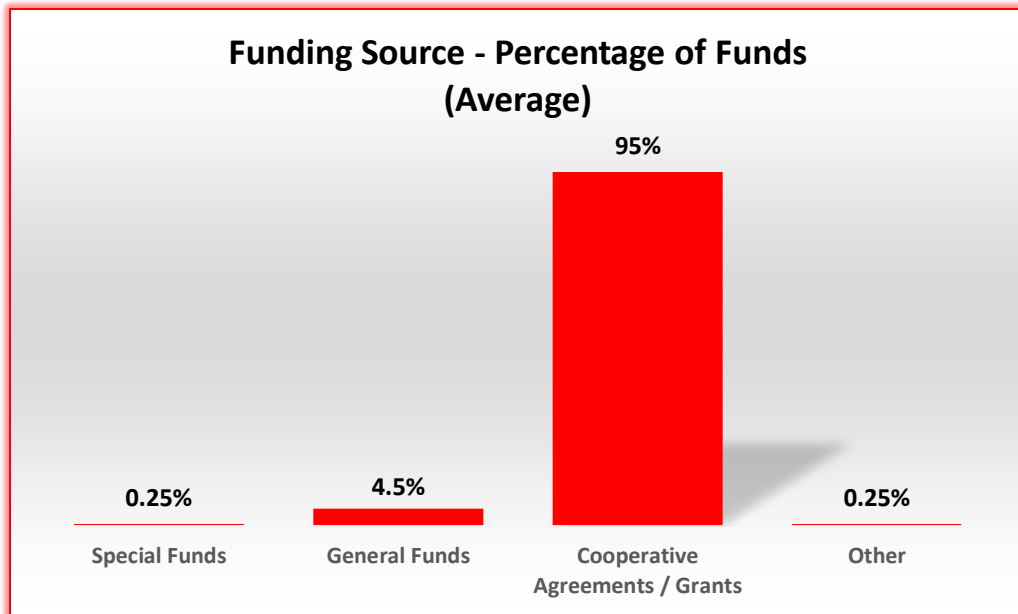


Figure 51. Total Number of Responses: 37

FOOD LABORATORIES

A. General Questions

What categories of human foods does your laboratory perform testing on?	
Milk/Dairy	71%
Seafood, Fish Products, shellfish	42%
Eggs	28%
Beverages	40%
Manufactured Food / Retail Food	67%
Produce	68%
Food Ingredients	40%
Imported Foods	39%
Meat & Poultry	61%
Cottage Foods	33%
Dietary Supplements	26%
Cannabinoids	23%
Environmental Samples	63%
Livestock	23%
Food Isolates for Whole Genome Sequencing (WGS)	51%
Total Number of Responses: 57 (Responders selected more than one product type)	

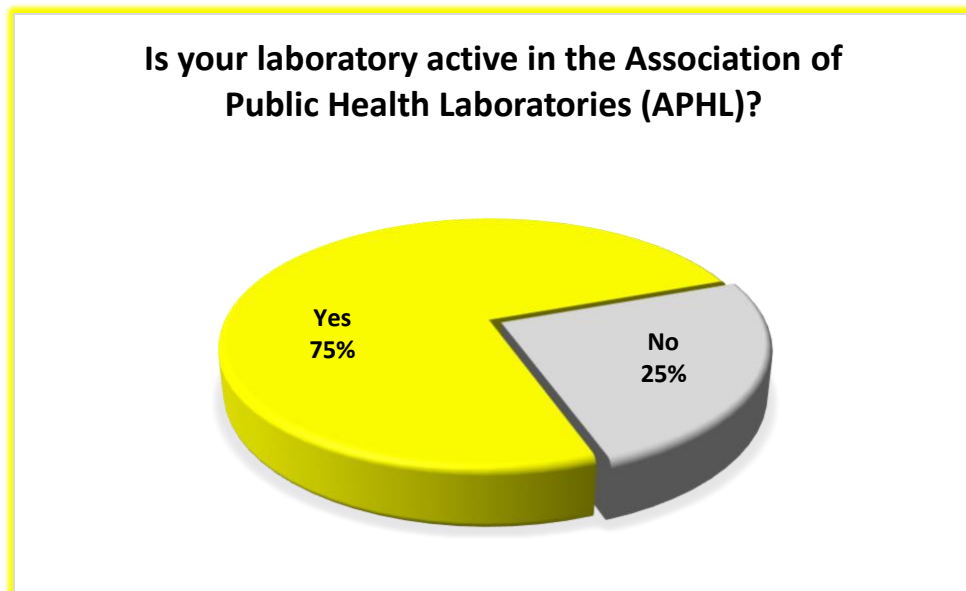


Figure 52. Total Number of Responses: 57

B. Sampling

Who collects or submits samples that are analyzed by the laboratory?	
State Agriculture	68%
State Health	54%
Other Regulatory	53%
Law Enforcement	14%
Industry	7%
Academia	9%
Public	19%
Laboratory Staff	35%
Other	16%
Total Number of Responses: 57 (Responders may have selected more than one category)	

C. Laboratory Accreditation

Laboratory is accredited to the following for its food / feed testing:4.7	
ISO/IEC 17025	64%
ALACC AOAC	7%
AIHA FoodLAP	5%
USDA MPI Program /Accredited Laboratory Program	5%
National Conference of Interstate Milk Shipments (NCIMS)	17%
National Shellfish Sanitation Program (NSSP)	2%
Other	17%
Total Number of Responses: 42 (Responders may have selected more than one category)	

D. Laboratory Methods

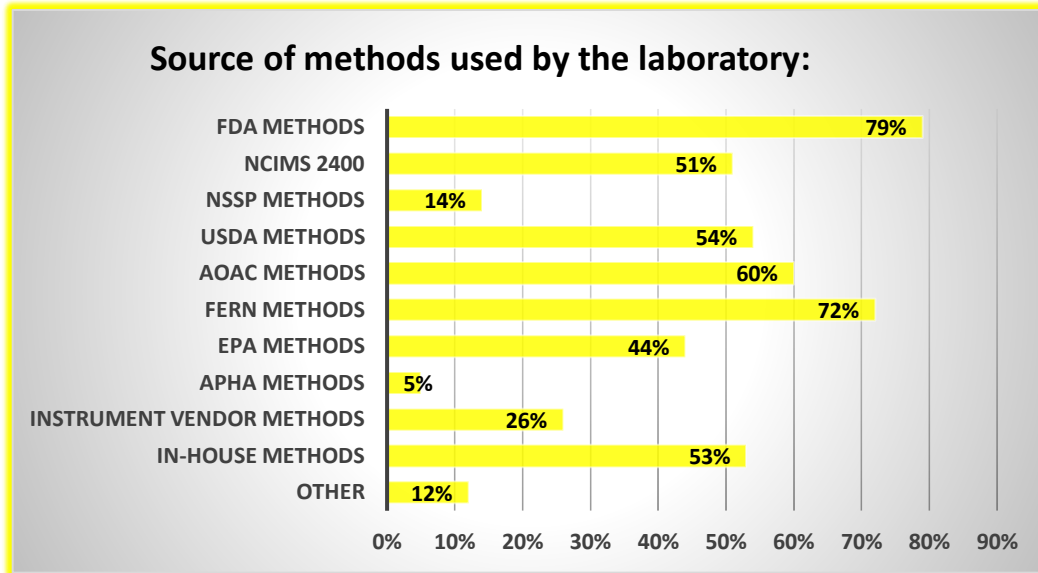


Figure 53. Total number of responses: 57 (Respondents may have selected more than one category)

E. Laboratory Analyses - Total Analyses Reported for 2024

MICROBIOLOGY – HUMAN FOOD

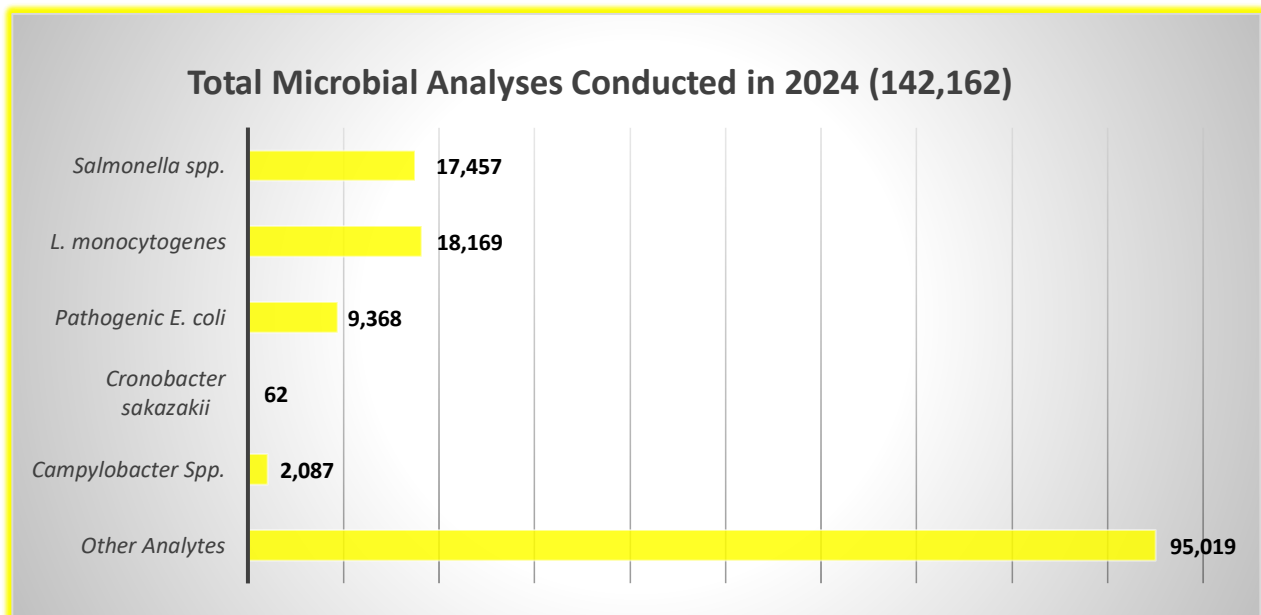


Figure 54. Total number of responses: 57

MICROBIOLOGY – HUMAN FOOD

Microbial Analyses Conducted in 2024	Food Samples	Milk & Dairy	Seafood, Shellfish	Dietary Supplements	Cannabis, Hemp, Edibles	Environmental Swabs	Total Analyses
<i>Salmonella</i>	13,229	1,483	163	10	152	2,420	17,457
<i>Listeria monocytogenes</i>	10,866	2,197	179	0	0	4,927	18,169
<i>Pathogenic E.coli</i>	7,796	718	0	0	152	702	9,368
<i>Cronobacter sakazakii</i>	62	0	0	0	0	0	62
<i>Campylobacter spp.</i>	1,409	667	11	0	0	0	2,087
Other Analytes	8,153	83,914	1,644	50	328	930	95,019
Total Analyses	41,515	88,979	1,997	60	632	8,979	142,162
<i>Total Number of Responses: 57</i>							

CHEMISTRY – HUMAN FOOD

Chemistry Analyses Conducted in 2024	Food Samples	Milk & Dairy	Seafood, Shellfish	Dietary Supplements	Cannabis, Hemp, Edibles	Environmental Swabs	Total Analyses
Pesticide Residue	368,790	132	0	0	2,592	921	372,435
Heavy Metals	13,085	0	235	72	277	0	13,669
Allergens	665	31	0	0	0	15	711
Toxic Substances / Poisons	628	2,620	2,435	0	20	0	5,703
Undeclared Food / Color Additives	340	0	0	0	0	0	340
Mycotoxins	1,388	118	0	0	1	0	1,507
Shellfish / Seafood Toxins	0	0	8,859	0	0	0	8,859
Cannabinoids / Terpenes	34	0	0	0	1,602	0	1,636
Other Analytes	12,897	28,842	610	19	295	12	42,675
Total Analyses	397,827	31,743	12,139	91	4,787	948	447,535
 							
Radiochemistry	324	43	192	0	0	0	559
<i>Total Number of Responses: 57</i>							

WHOLE GENOME SEQUENCING – HUMAN FOOD

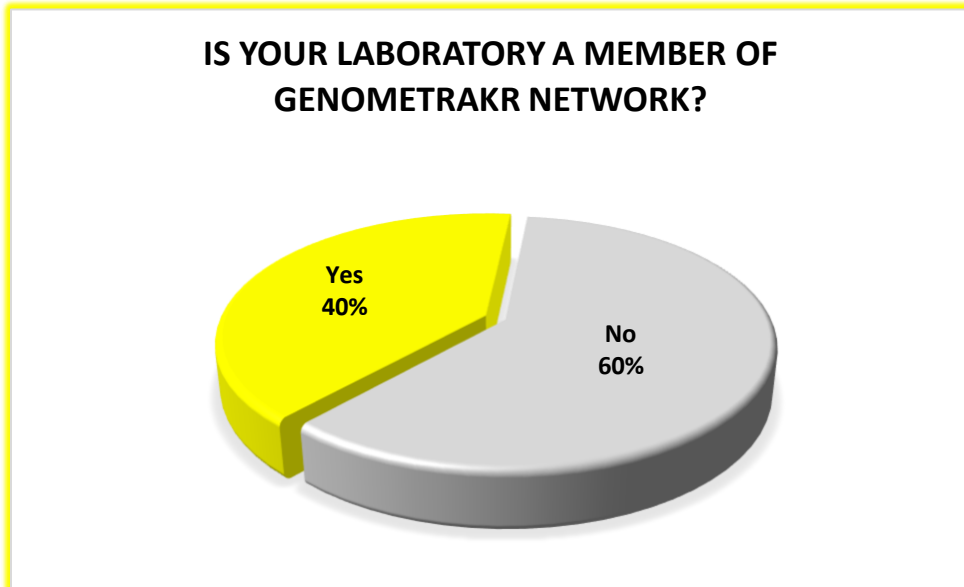


Figure 55. Total number of responses: 57

If not currently a member of GenomeTrakr Network, are you planning to join?	
Yes	2%
No	69%
Total Number of Responses: 25	

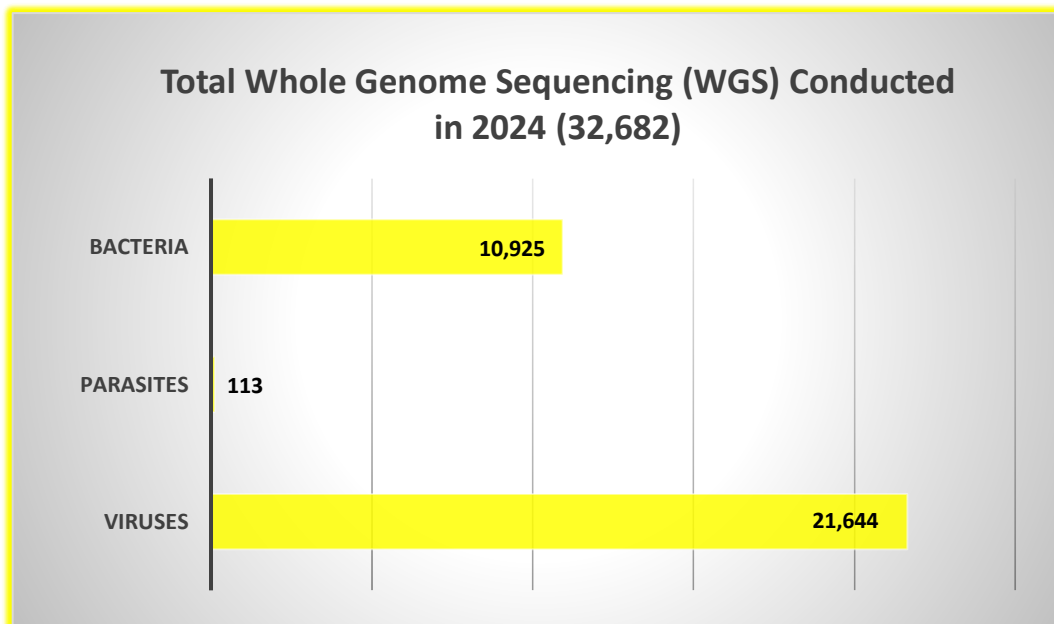


Figure 56. Total number of responses: 57

Bacteria Whole Genome Sequencing (WGS)	Number of labs performing WGS	Total number of samples analyzed during CY 2024
Bacteria (n=57)		
<i>Salmonella</i>	32	3,901
<i>Listeria monocytogenes</i>	31	1,285
<i>E. coli/Shigella</i>	31	3,556
<i>Campylobacter</i>	27	1,265
<i>Vibrio cholerae</i>	27	34
<i>Vibrio parahaemolyticus</i>	27	36
<i>Cronobacter</i>	14	47
<i>Other Bacteria</i>	24	801
Subtotal Bacteria WGS		10,925

Parasites Whole Genome Sequencing (WGS)	Number of labs performing WGS	Total number of samples analyzed during CY 2024
Parasites (n=57)		
<i>Cyclospora</i>	3	112
Other parasites	3	1
Subtotal Parasite WGS		113

Viruses Whole Genome Sequencing (WGS)	Number of labs performing WGS	Total number of samples analyzed during CY 2024
Viruses (n=57)		
Hepatitis A	2	13
Norovirus	7	188
Other viruses	8	21,443
Subtotal Virus WGS		21,644

F. Staffing

Laboratory Staffing	Total Full Time Equivalents
<i>Lab Analysts by Discipline (Microbiologists)</i>	203
<i>Lab Analysts by Discipline (Chemistry)</i>	165
<i>Lab Analysts by Discipline (Other)</i>	52
Total Laboratory Analysts (all disciplines above combined)	420
Managers/Administrators/Director	80
Section Supervisors	93
Laboratory Support (Sample Custodian, Sample Prep, etc.)	75
Administrative Support (Clerical)	38
Quality Assurance Staff	62
Research Staff	6
Other	8
Total Human Food Laboratory FTE's	782
Total Number of Responses: 57	

G. Funding

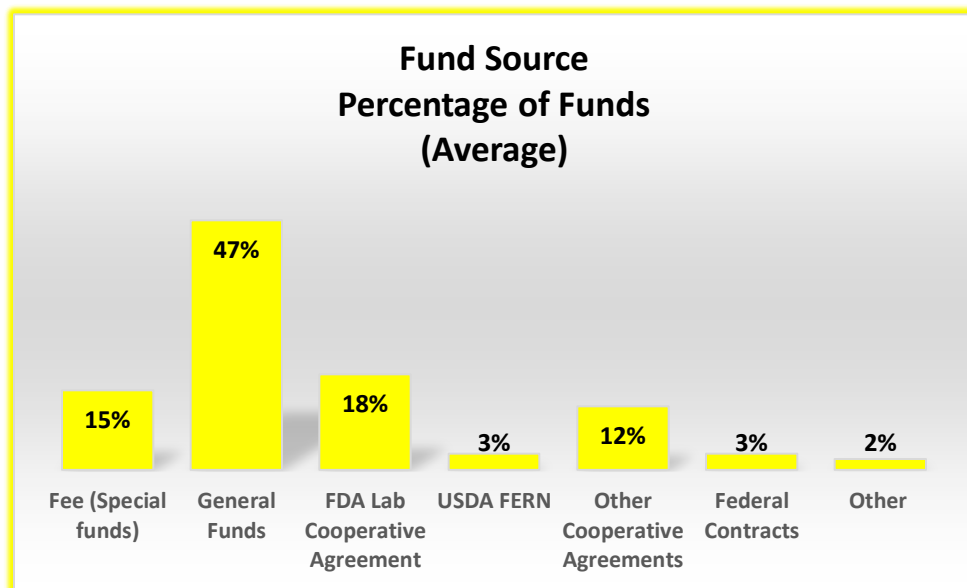


Figure 57. Total number of responses: 51