



# Are We Focusing on Risk? Insights from the Retail Inspection Data Analytics Project

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# What makes an inspection “risk-based”?

- **Focuses** on factors most likely to cause foodborne diseases
- **Supports** the systematic identification, evaluation, and control of food safety hazards
- **Promotes** preventive rather than reactive actions

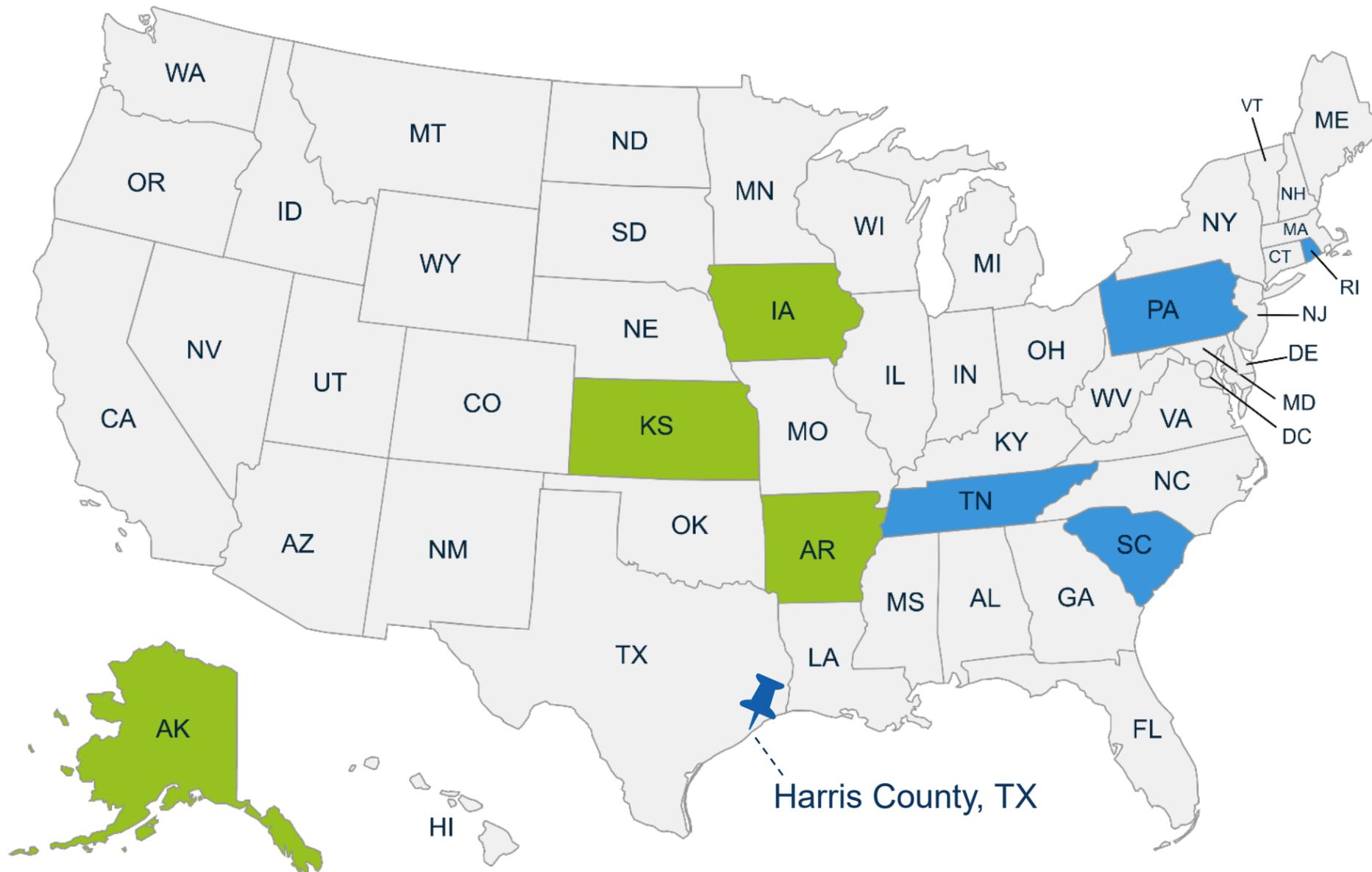


# How do we know we are on target?

Can inspection data tell us if we are conducting quality risk-based inspections?



# Retail Food Inspection Data Analytics Project



Retail Data Analytics Participation

- Phase 1
- Phase 2

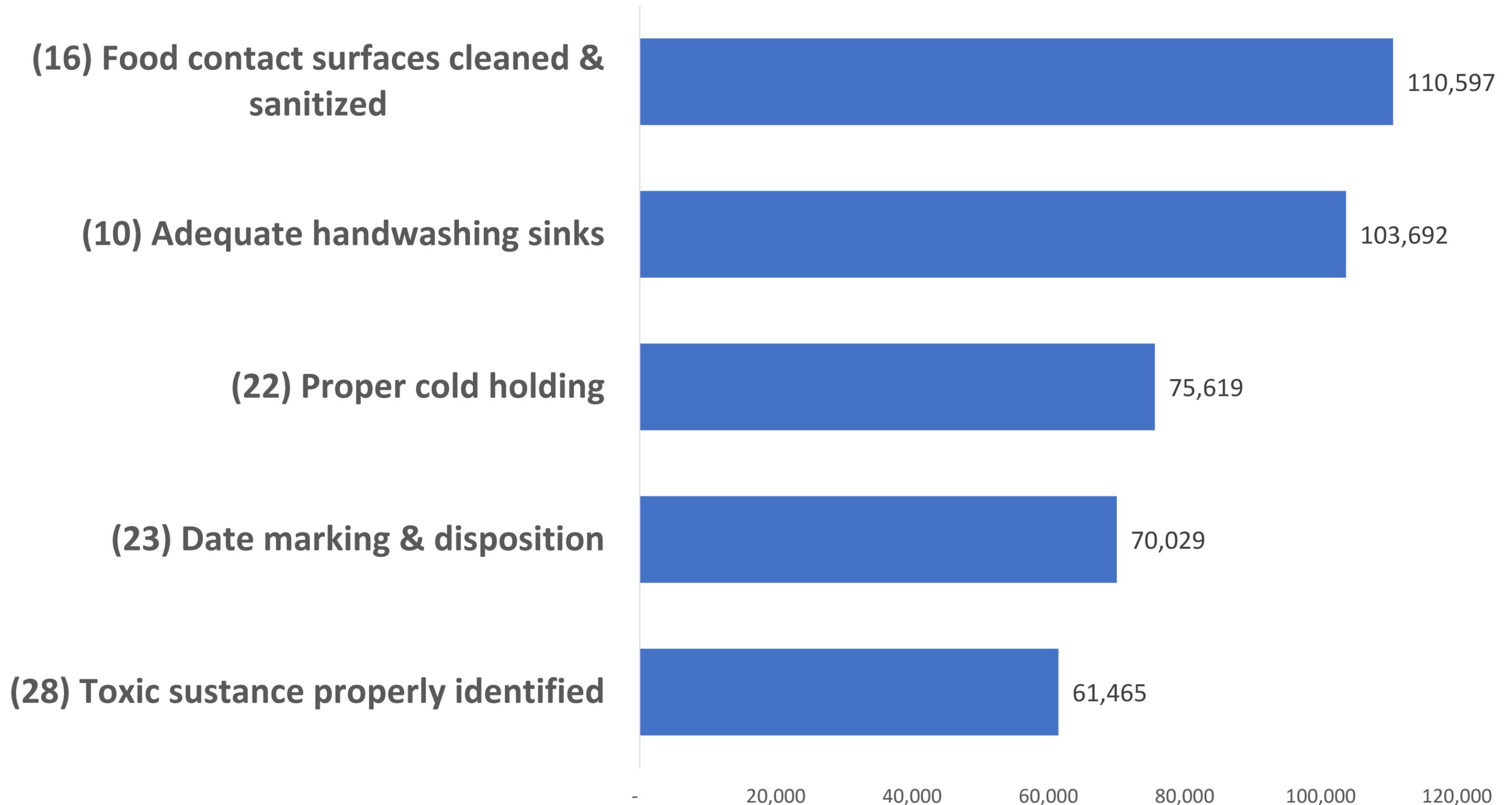
## SUMMARY DATA

**DATE RANGE:**  
1/1/2017 – 12/31/2022

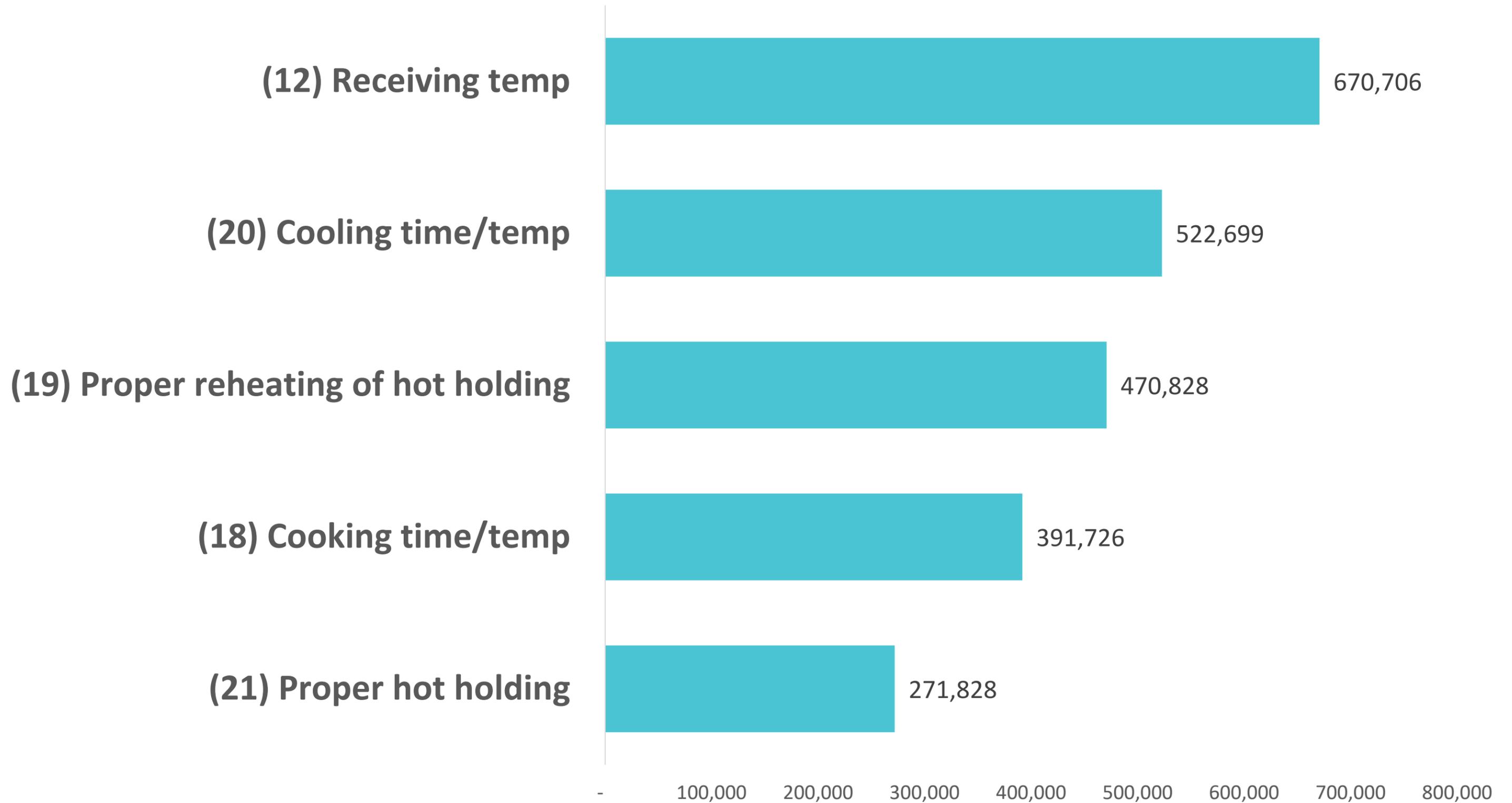
**NUMBER OF FACILITIES:**  
257,000

**NUMBER OF INSPECTIONS:**  
852,000

# Top Risk Factors OUT OF COMPLIANCE



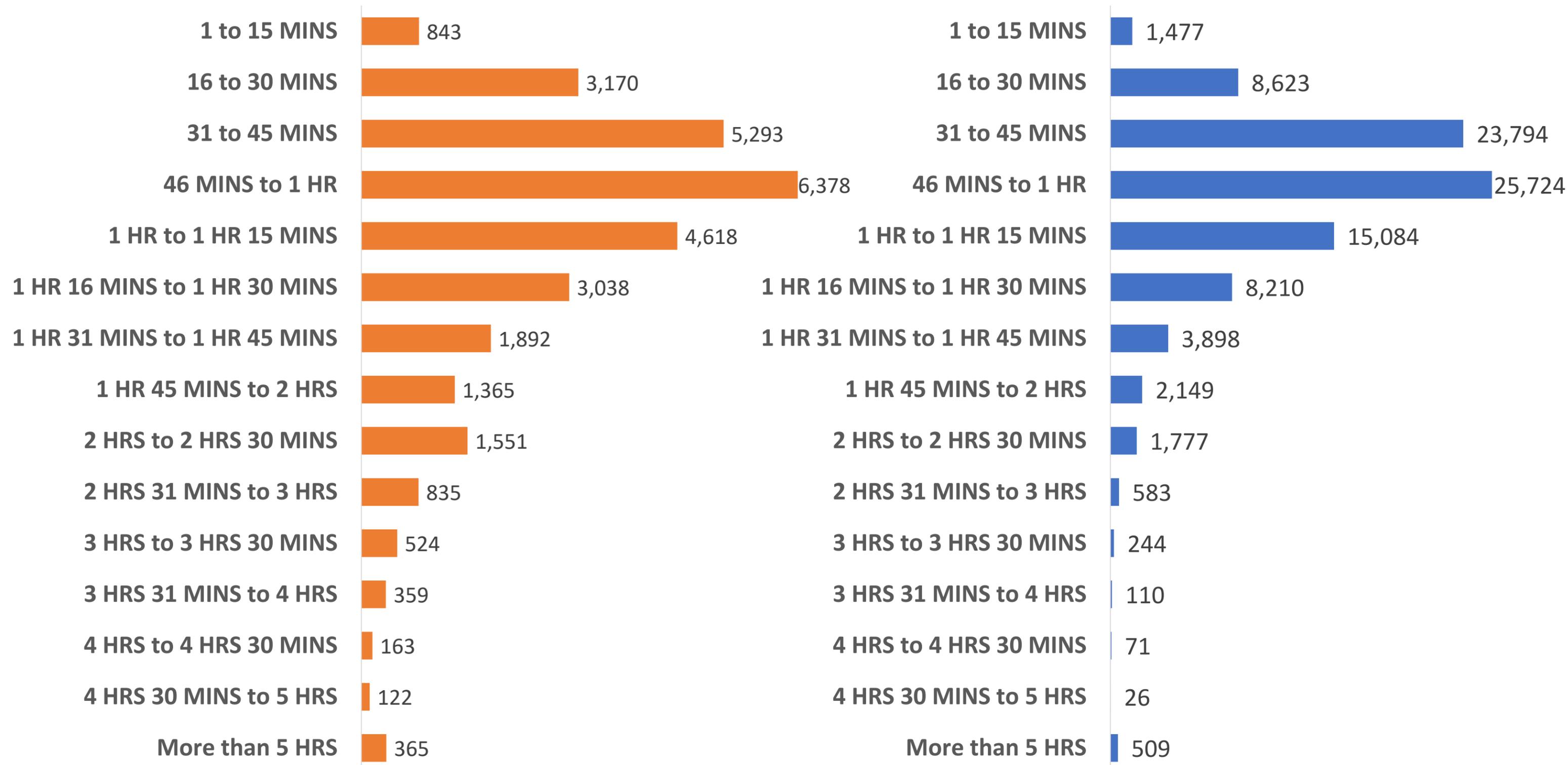
# Top Risk Factors NOT OBSERVED



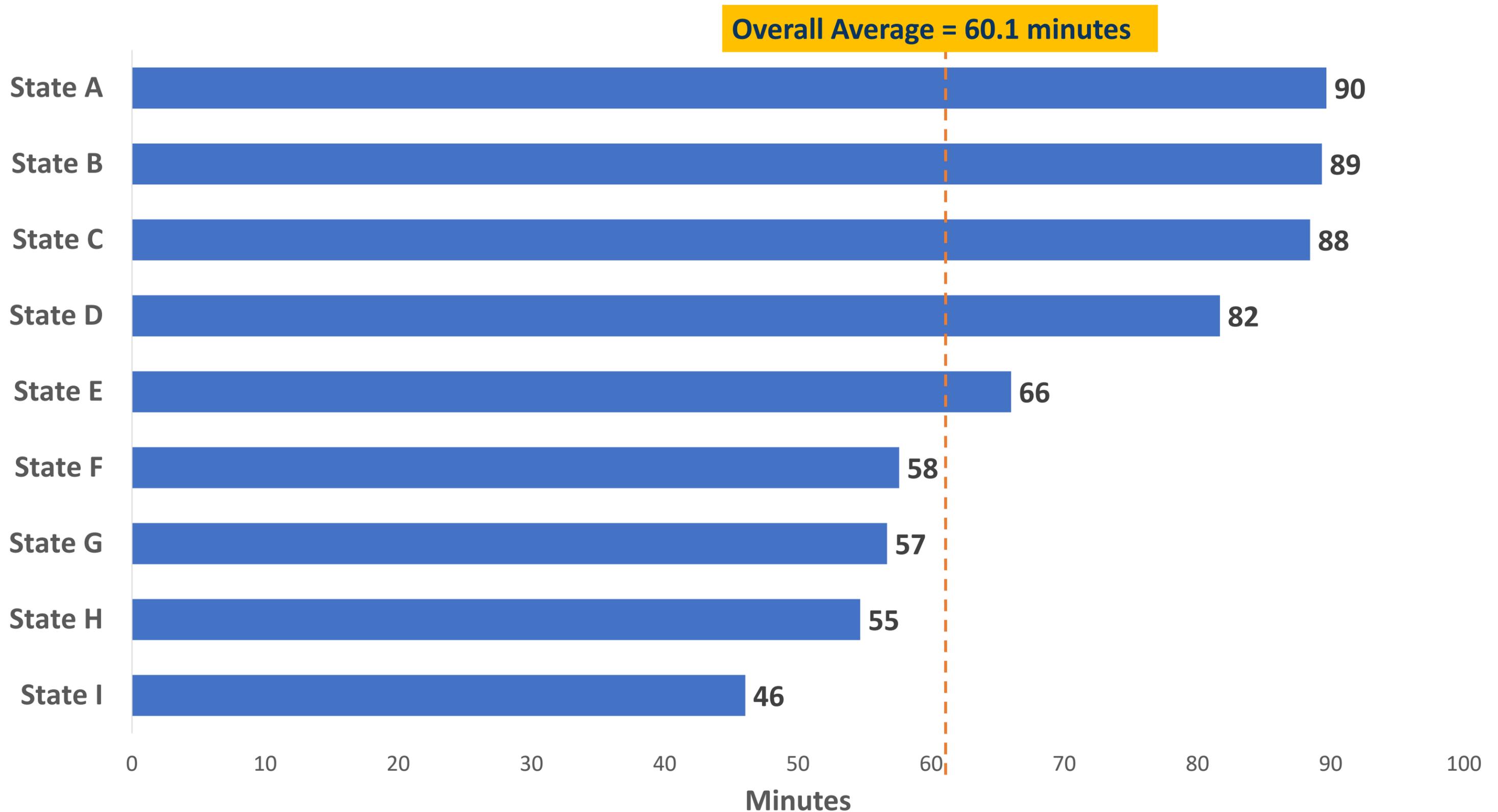
# Routine Inspection Duration – High and Medium Risk Facilities

High Risk (n = 30,516)

Medium Risk (n = 92,279)

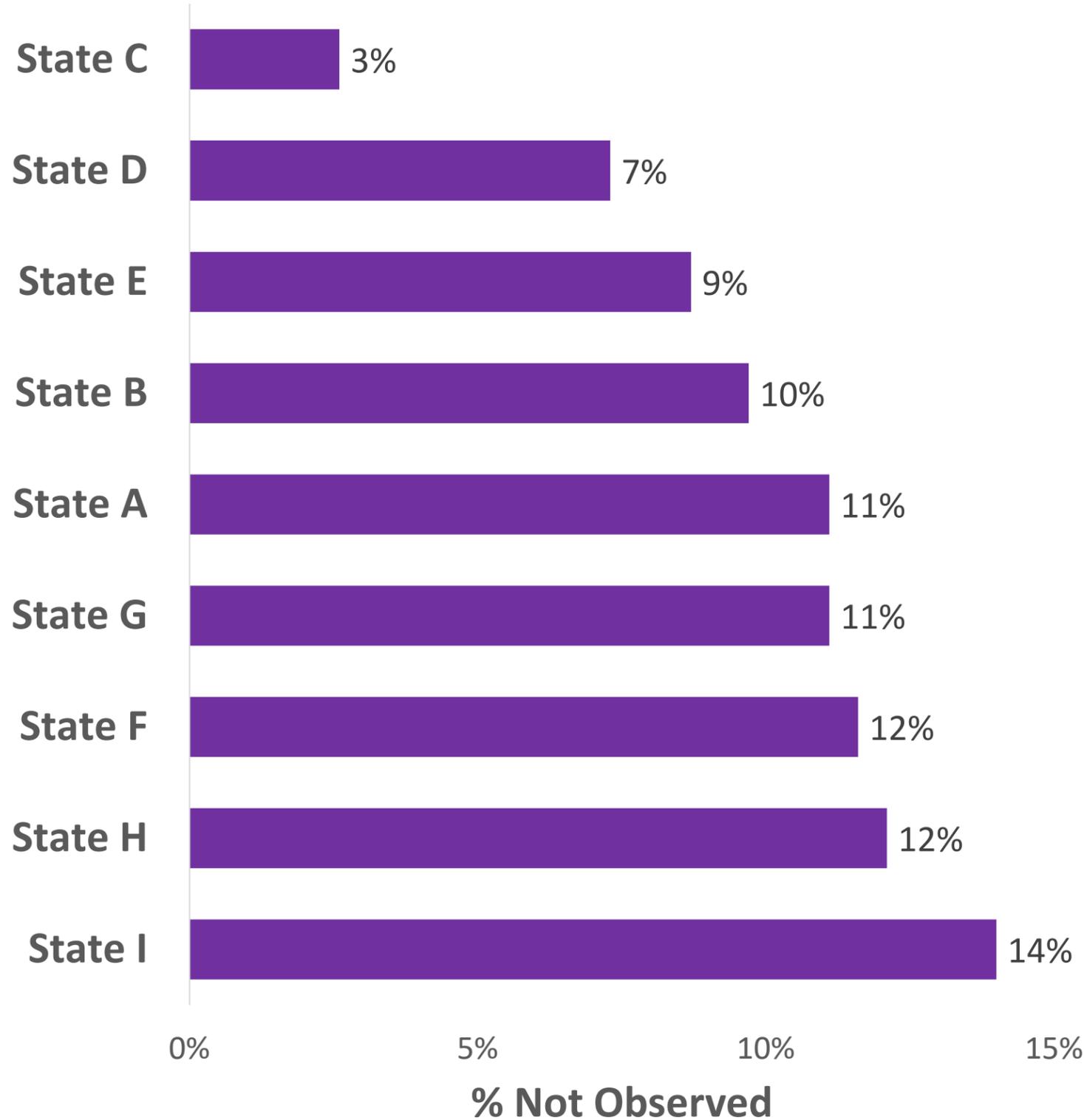


# Routine Inspection Duration by State

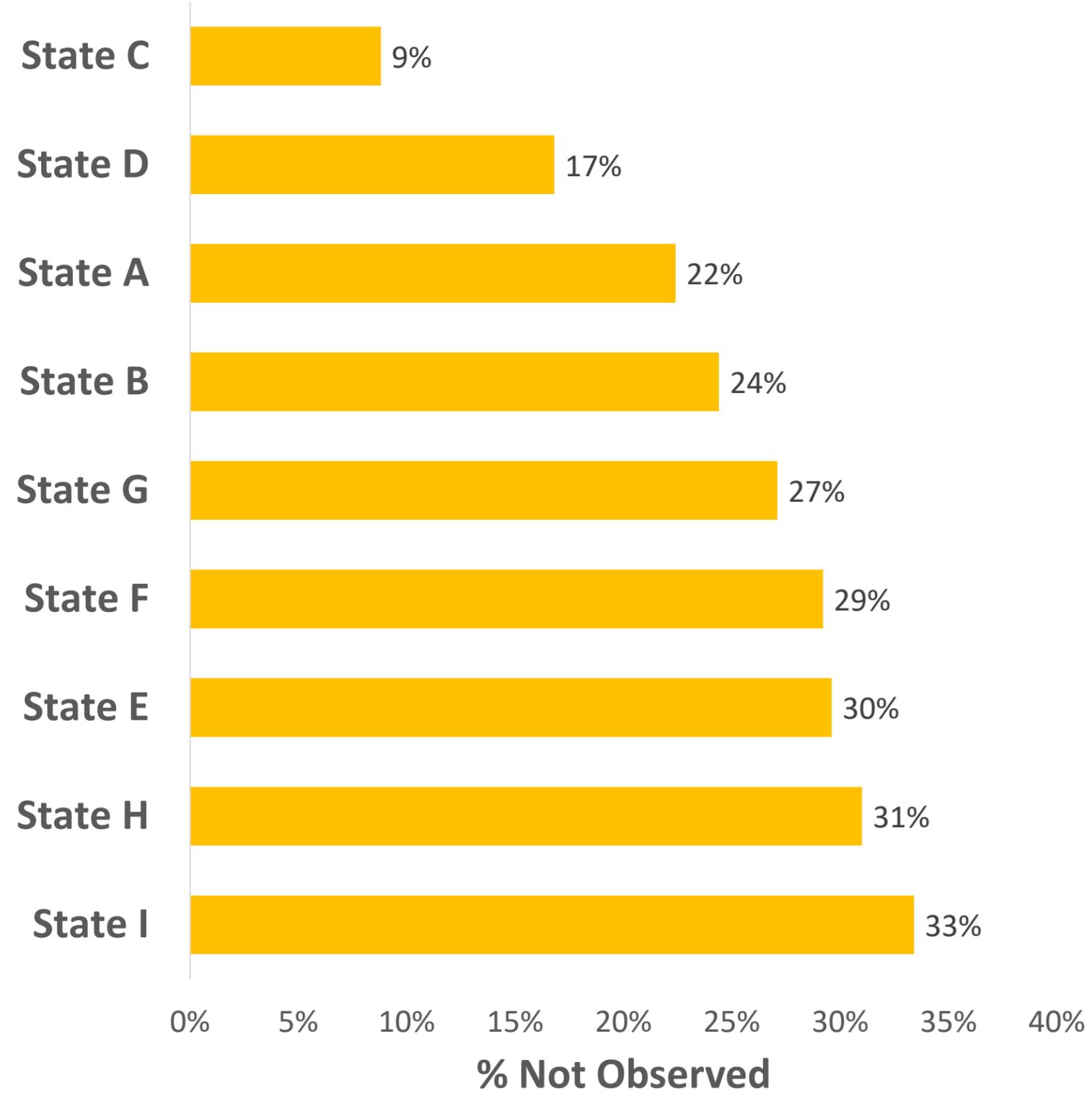


# % Inspection Items NOT OBSERVED during High and Medium Risk Inspections

## All FBI Risk Factor Items



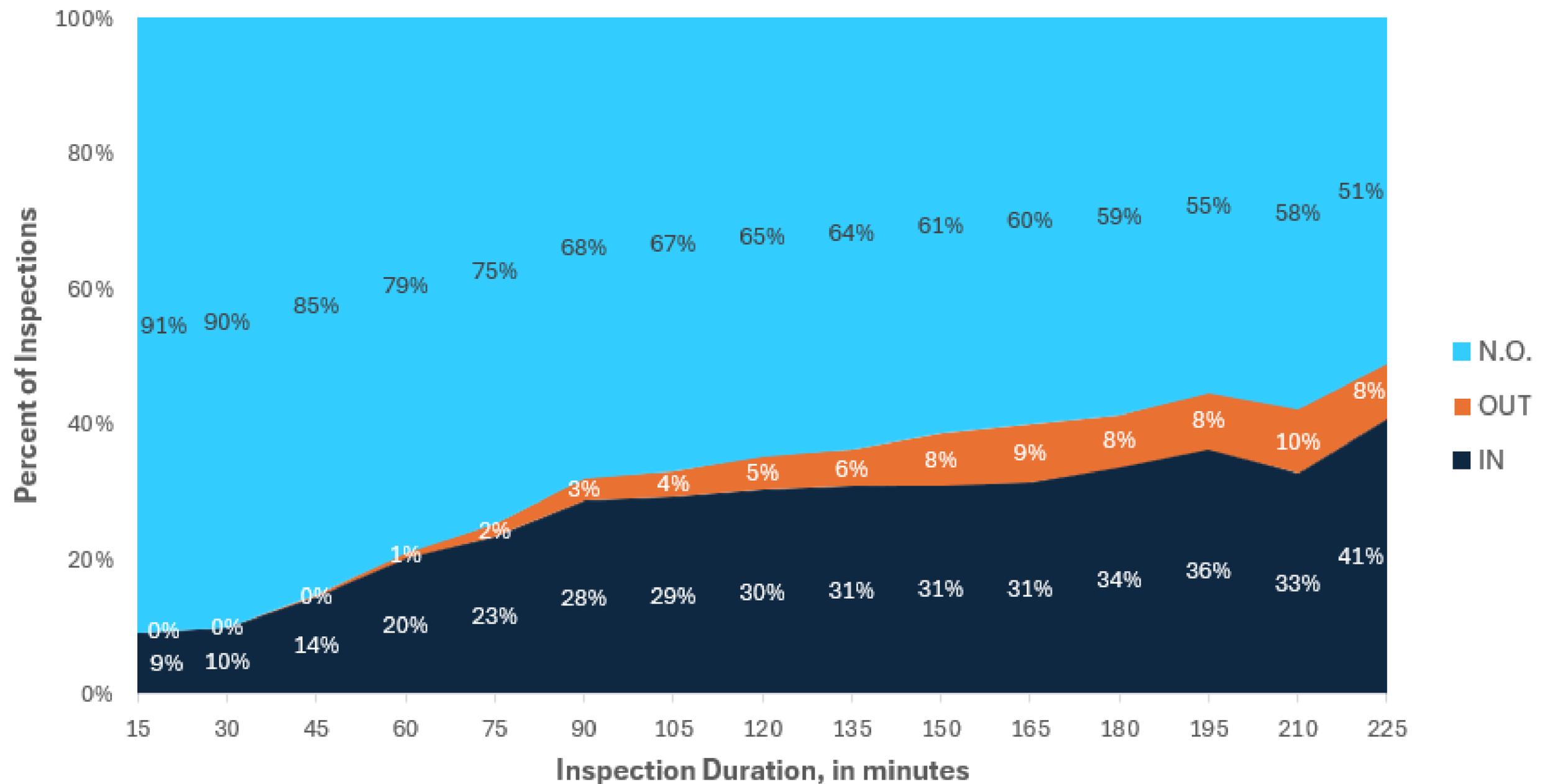
## Time/Temp. Control for Safety Items



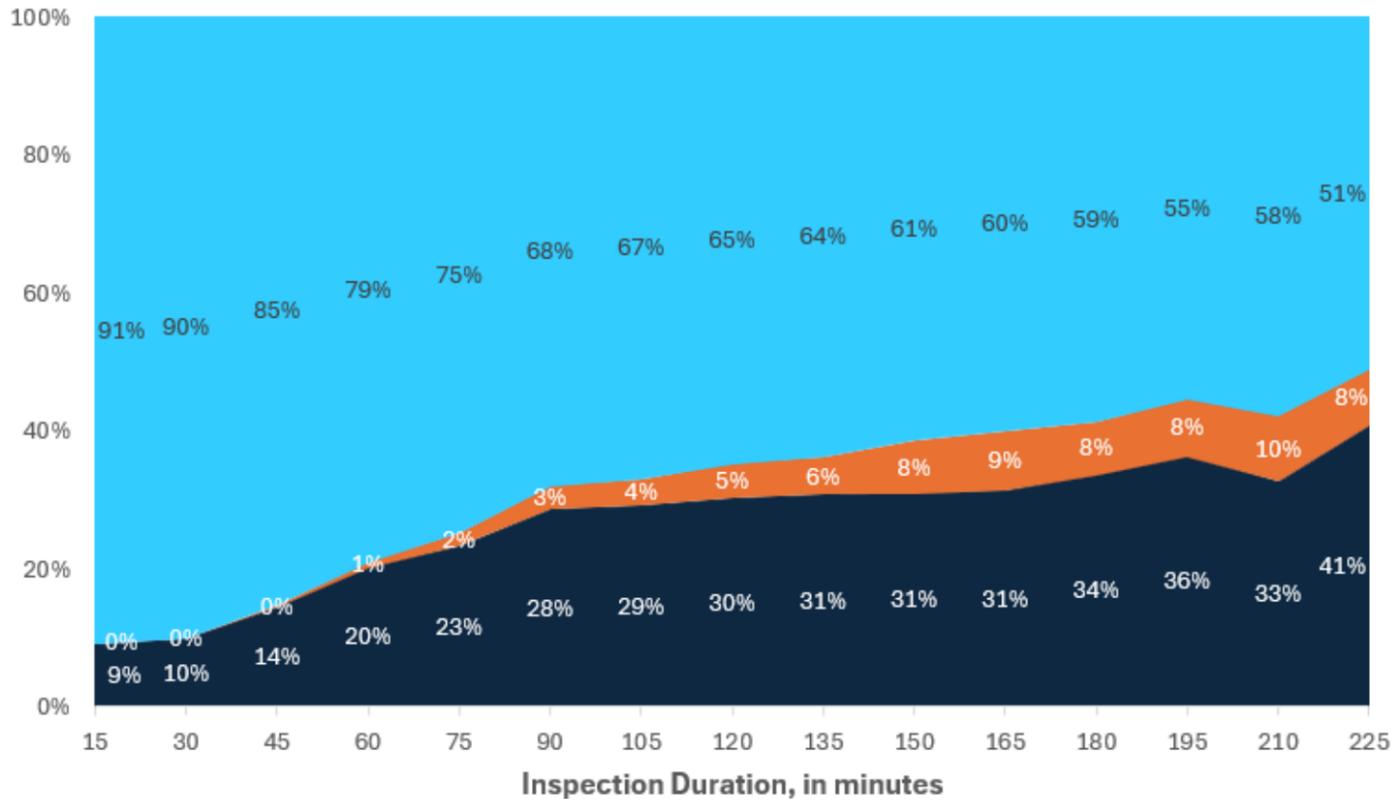
# Proper Cooling Time and Temperature Compliance Status by Inspection Duration



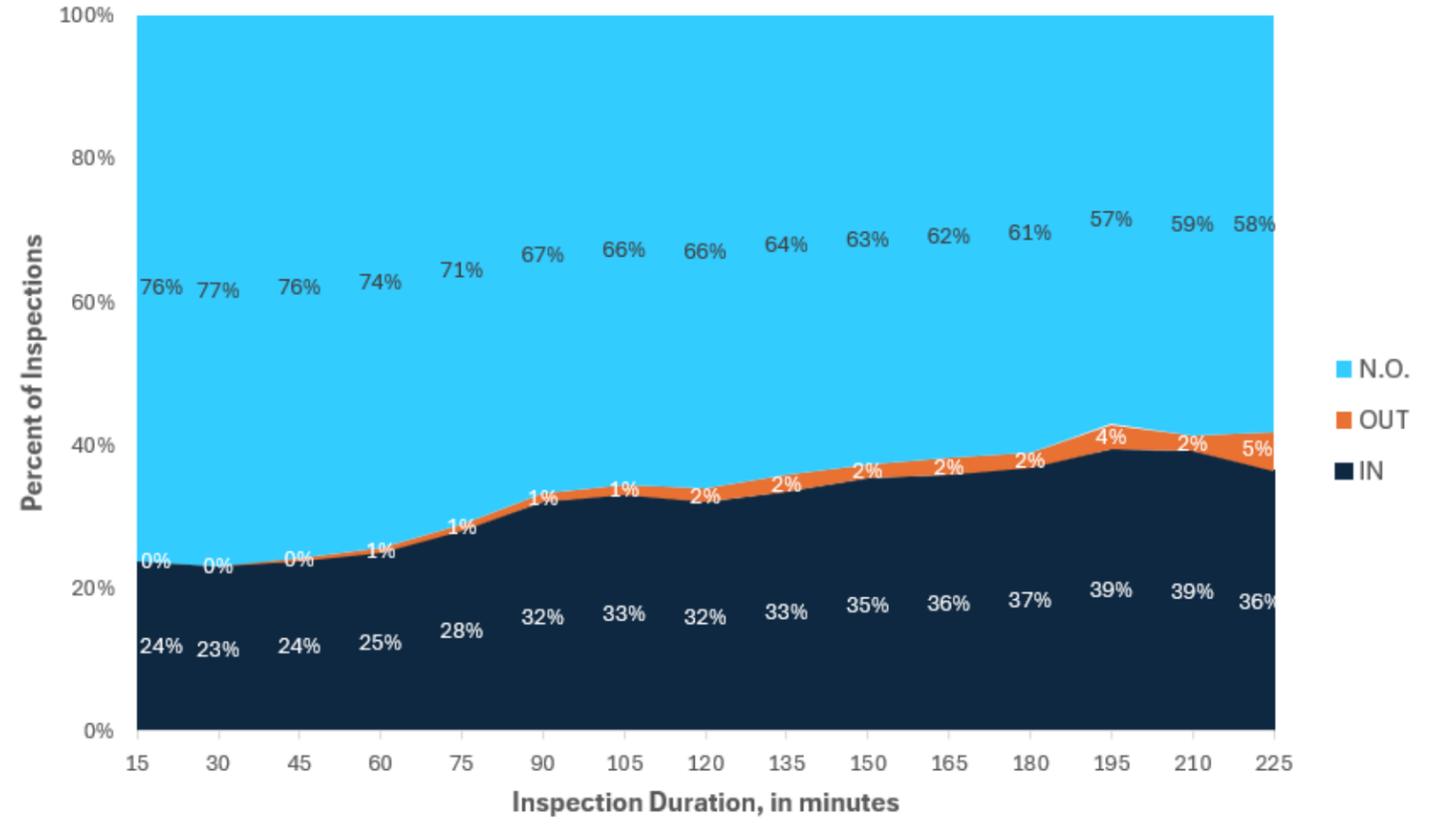
## Proper Cooling Time and Temperature Compliance Status by Inspection Duration



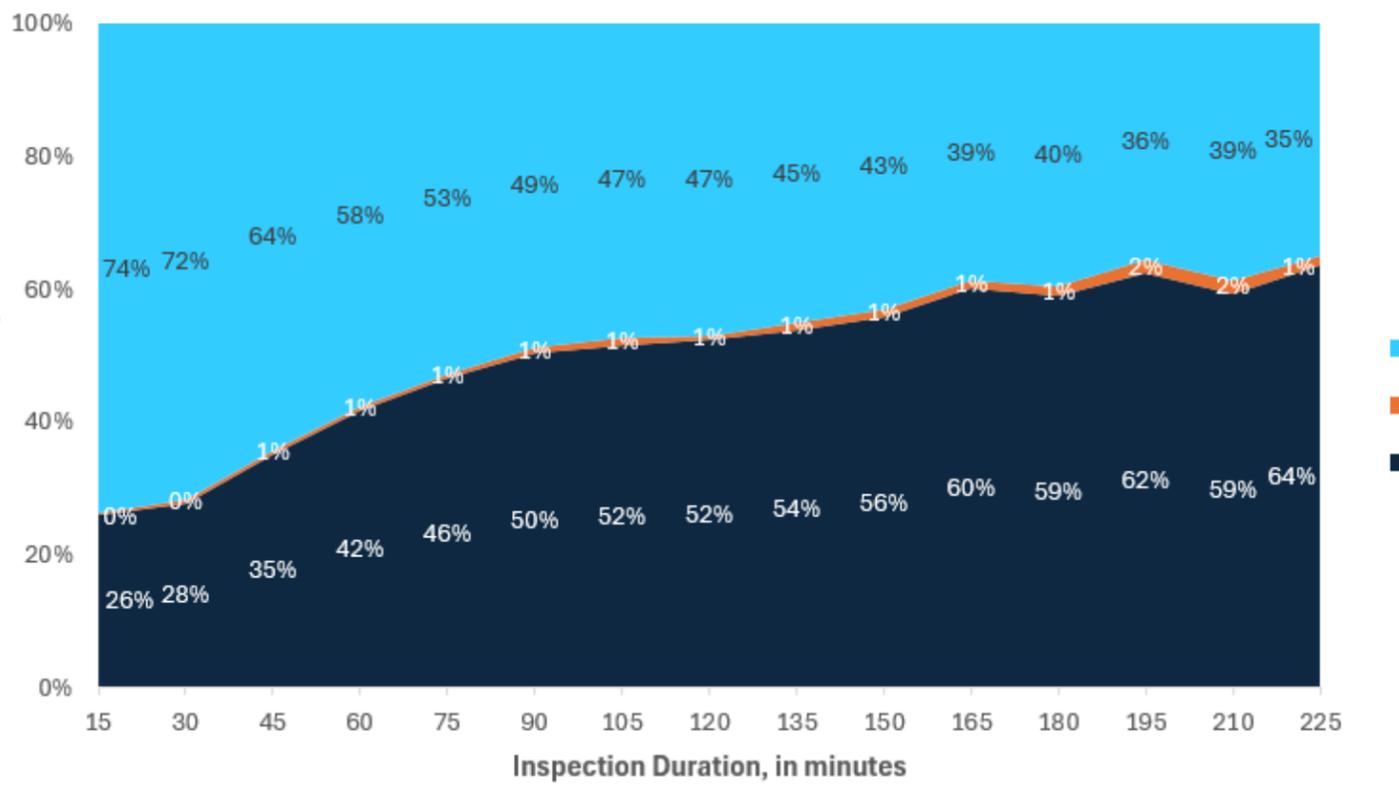
**Proper Cooling Time and Temperature Compliance Status by Inspection Duration**



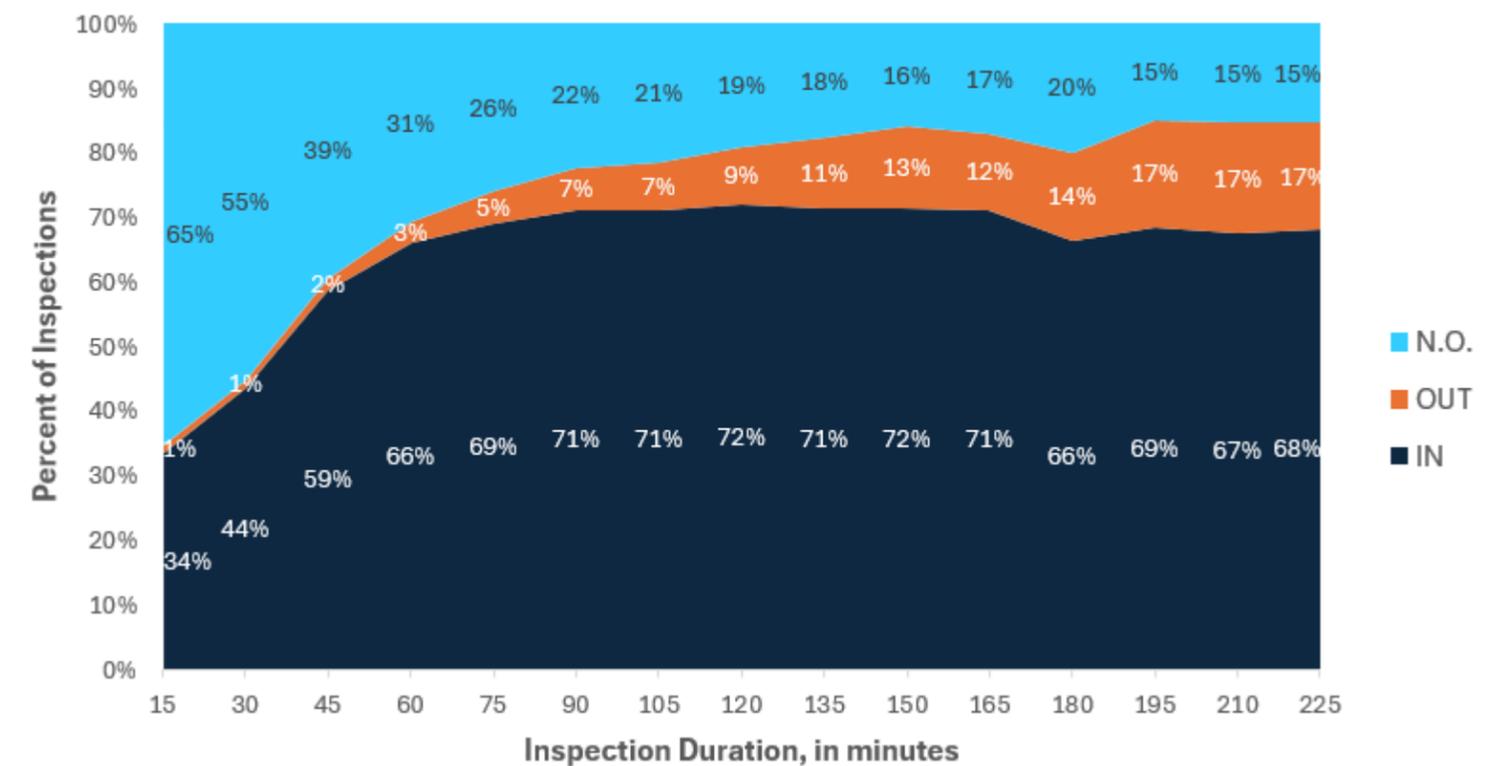
**Proper Reheating of Hot-Holding Compliance Status by Inspection Duration**



**Proper Cooking Time and Temperature Compliance Status by Inspection Duration**



**Proper Hot Holding Temperature Compliance Status by Inspection Duration**



Are we  
focused  
on the  
**right**  
things?



# Questions future data analysis can help answer



Are we observing the right things and inspecting at the right time?



Are we looking for and finding the root cause of risk factor violations?



Is compliance for the moment or permanent?



Are our actions having a positive public health impact?



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