



DOHMH NYC

Restaurant Inspection Analysis

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Last Updated: April 14th, 2025

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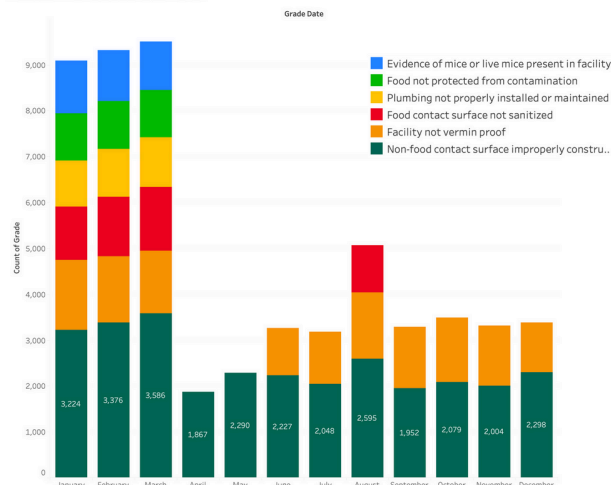
Our analytics team analyzed the **NYC Department of Health & Mental Hygiene restaurant inspection data (2015-2022)** to identify patterns in violations and provide actionable recommendations for food establishments. The analysis covered restaurants across all five NYC boroughs, focusing on understanding **inspection trends**, **common violations**, and their relationship to **geographic** and **socioeconomic factors**.

Key Findings

Inspection & Violation Timing

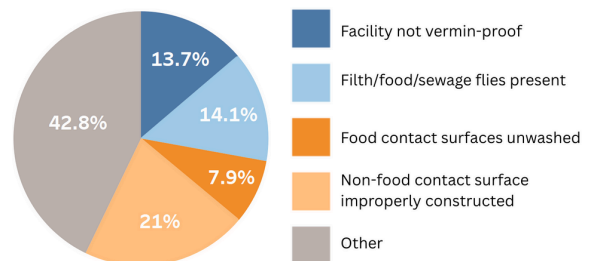
- **Q1 Concentration:** January through March shows significant spikes in both inspections and violations, with each month exceeding 9,000 citations
- **Seasonal Pattern:** Violations drop by over 70% in April and remain relatively low throughout the rest of the year

Most common violations vs month



- **Challenge Area:** Zip code 11239 in Brooklyn has the city's highest C-grade violation rate (6.5%)
- **Common Pattern:** Across different areas, the top violations consistently include:
 - Facility not vermin-proof
 - Non-food contact surfaces are improperly constructed or maintained
 - Filth flies or food/refuse/sewage-associated flies present
 - This indicates that regardless of the area, the same issues should be prioritized

Violation Causes



Overall Grading Distribution

- Grade "A" (Passing): 38% of inspections
- Grade "B" (Non-passing): 6% of inspections
- Grade "C" (Non-passing): 3% of inspections
- Not Yet Graded/Pending: 53% of inspection

Geographic & Socioeconomic Insights

- **Borough Correlation:** Manhattan leads in both income levels and A-grade restaurants
- **Success Case:** Zip code 11430 (JFK Airport area) shows 65.74% A-grade inspections

Recommendations

1. **Effective Training:** Ensure comprehensive food safety training for all staff with strict enforcement by management.
2. **Focus on Early Compliance:** Implement preventive measures before and during Q1 when most violations occur.
3. **Target High-Risk Violations:** Prioritize structural improvements to prevent vermin entry, maintain proper surfaces, and eliminate pest breeding grounds.

