CAP INDEX

2020 CAP SCORE
CORRELATION ANALYSIS
FOR THE RESTAURANT INDUSTRY

ILLUSTRATING THE **PREDICTIVE POWER** OF CAP SCORES

This study provides an analysis of nearly 80,000 address-specific crimes reported at restaurant locations and their correlations with CAP Scores.

CAP Index's Crime Risk Consulting and Analytics Team conducted an in-depth analysis to study various crime trends and assess how crime in the restaurant industry correlates with CAP Scores. In this analysis, we looked at nearly 80,000 address-specific crimes reported as occurring at restaurants across the United States from 2017 through June 2020.
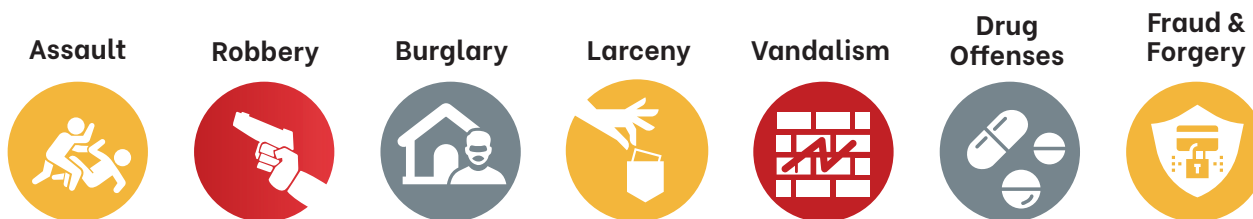
OUR PROCESS

Step 1: We gathered and reviewed crime data reported by the Atlanta, Austin, Baltimore, Chicago, Cincinnati, Dallas, Denver, Lincoln (NE), Los Angeles, and New York City police departments.

Step 2: Each reported crime and restaurant location was assigned a CAP Score and grouped into one of four CAP Index Risk Categories.

Step 3: We analyzed the relationships between reported crimes and CAP Scores. Given that the availability of crime types varied by city, we adjusted the sample size of restaurant locations for certain portions of the analysis.

Step 4: The results of our analysis illustrate the direct correlation between the predictive nature of CAP Scores and the actual occurrence of crime and loss in the industry.

CRIME TYPES REVIEWED IN THIS REPORT:

Assault	Robbery	Burglary	Larceny	Vandalism	Drug Offenses	Fraud & Forgery

2017-2020 RESTAURANT CRIME TRENDS

The following table illustrates the year-over-year trends across seven major crime categories in the restaurant industry.

The annual numbers below show consistent upward trends in assaults and drug offenses at restaurants in nine US cities (Denver was excluded from this analysis) while burglary counts decreased from 2017 to 2019. Other crime types fluctuated across the years.

The first six months of 2020 illustrate the clear impact of COVID-19 and the potential influence of George Floyd protests on restaurant crime when compared to the same time period in 2019. Persons crimes, larceny, and fraud & forgery declined significantly while burglary and vandalism were subject to an opposite trend. It is important to note that some of these fluctuations might also be due to changes in reporting.

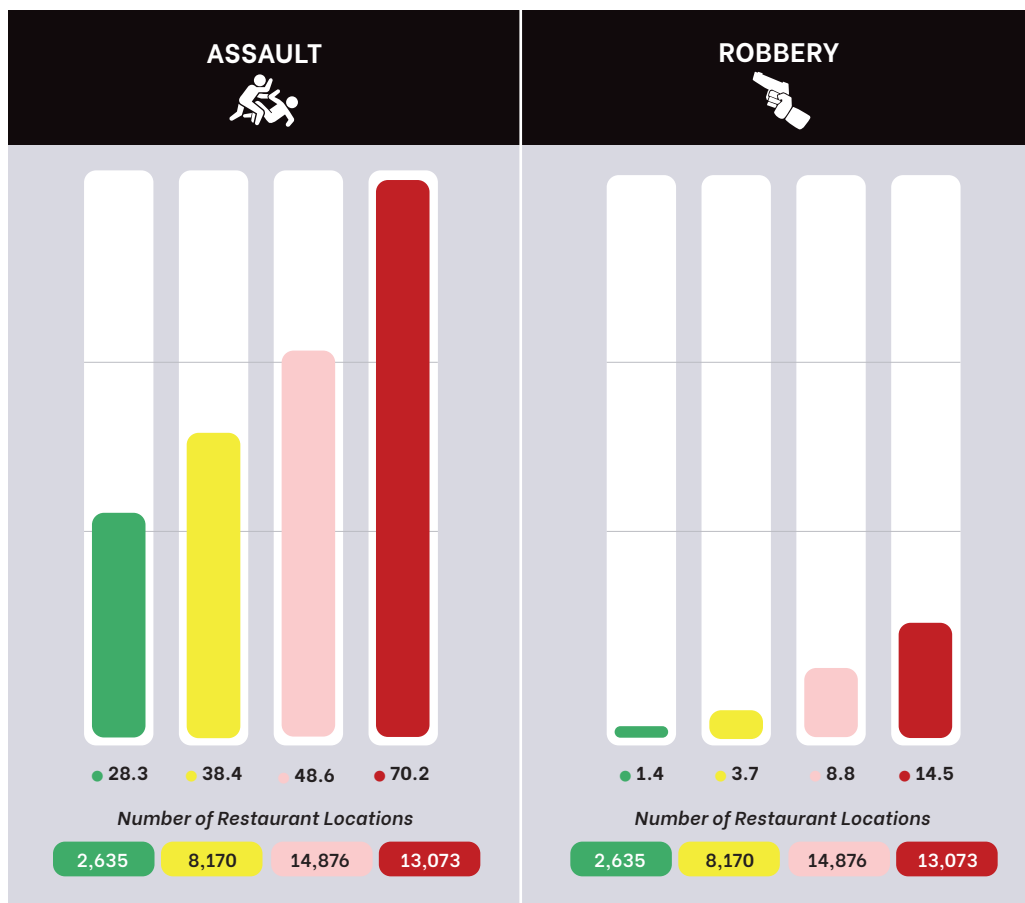|	Assault	Robbery	Burglary	Larceny	Vandalism	Drug Offenses	Fraud & Forgery
2017	5,675	1,047	2,532	9,164	2,215	141	2,193
2018	6,214	1,113	2,444	9,788	2,104	161	2,230
2019	6,577	989	2,100	9,569	2,115	209	1,970
Jan-Jun 2019	3,410	486	967	4,807	1,077	110	1,020
Jan-Jun 2020	2,212	417	1,730	2,579	1,291	61	534

CORRELATION ANALYSIS: CRIMES AGAINST PERSONS

The following charts illustrate the number of each crime that occurred per 100 restaurants as broken down by the CAP Index Risk Categories listed below. For example, assaults occurred 28.3 times per 100 restaurants in the "Below Average" category and 70.2 times in the "Moderately to Substantially Elevated" category.

The number of crimes reported per 100 restaurants in the 400–2000 CAP Index Risk Category in comparison to the 0–99 CAP Index Risk Category was approximately:

- **2.5 times higher for Assault**
- **10.4 times higher for Robbery**

ASSAULT	ROBBERY

ASSAULT
- 28.3
- 38.4
- 48.6
- 70.2

Number of Restaurant Locations

| 2,635 | 8,170 | 14,876 | 13,073 |

ROBBERY
- 1.4
- 3.7
- 8.8
- 14.5

Number of Restaurant Locations

| 2,635 | 8,170 | 14,876 | 13,073 |

CAP Scores are based on a scale of 0 to 2000, with 0 representing the lowest risk and 2000 the highest - 100 is average.

● **0-99**	● **100-199**	● **200-399**	● **400-2000**
Below Average Risk	*Moderate Risk*	*Mildly Elevated Risk*	*Moderately to Substantially Elevated Risk*

The following charts illustrate the number of each crime that occurred per 100 restaurants as broken down by the CAP Index Risk Categories listed below. For example, burglaries occurred 11.5 times per 100 restaurants in the "Below Average" category and 24.0 times in the "Moderately to Substantially Elevated" category.

The number of crimes reported per 100 restaurants in the 400-2000 CAP Index Risk Category in comparison to the 0-99 CAP Index Risk Category was approximately:

- **2.1 times higher for Burglary**
- **4.0 times higher for Larceny**
- **2.7 times higher for Vandalism**

BURGLARY	LARCENY	VANDALISM

BURGLARY
- 11.5
- 18.0
- 21.6
- 24.0

Number of Restaurant Locations

2,635	8,170	14,876	13,073

LARCENY
- 30.8
- 49.0
- 72.0
- 121.7

Number of Restaurant Locations

2,635	8,170	14,876	13,073

VANDALISM
- 10.7
- 13.3
- 19.5
- 28.7

Number of Restaurant Locations

2,635	8,143	14,481	11,185

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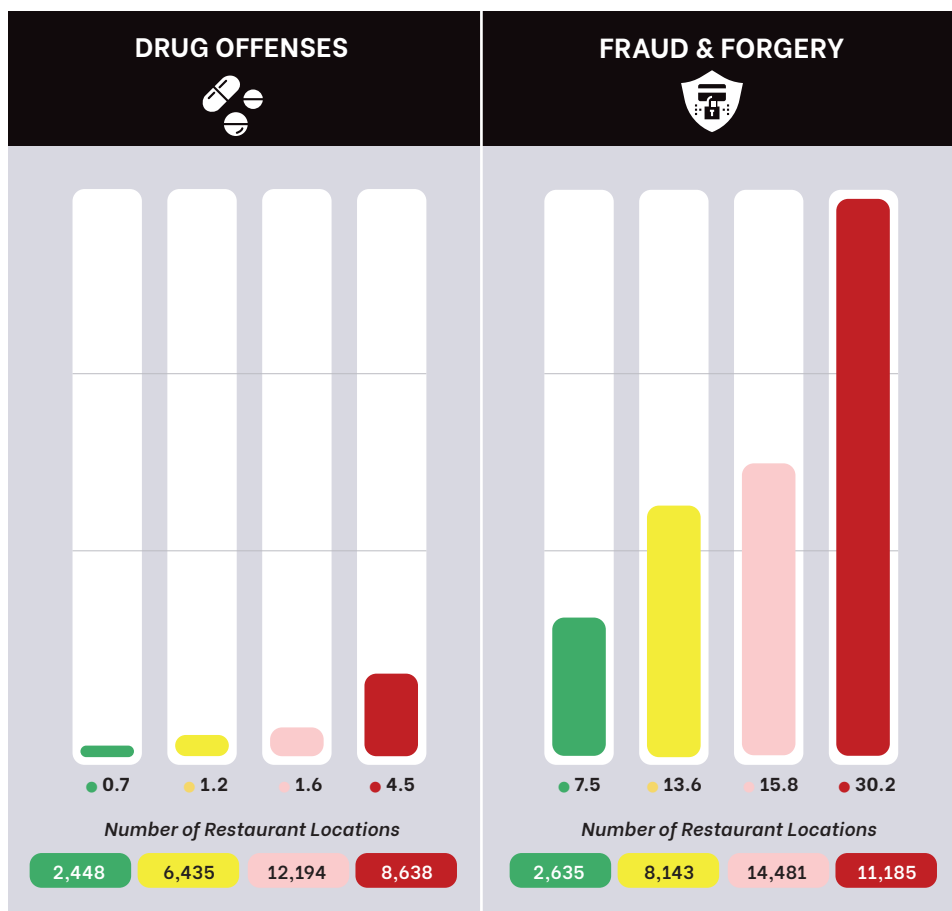| ● 0-99	● 100-199	● 200-399	● 400-2000
Below Average Risk	*Moderate Risk*	*Mildly Elevated Risk*	*Moderately to Substantially Elevated Risk*

The following charts illustrate the number of each crime that occurred per 100 restaurants as broken down by the CAP Index Risk Categories listed below. For example, drug offenses occurred 0.7 times per 100 restaurants in the "Below Average" category and 4.5 times in the "Moderately to Substantially Elevated" category.

The number of crimes reported per 100 restaurants in the 400–2000 CAP Index Risk Category in comparison to the 0–99 CAP Index Risk Category was approximately:

- **6.4 times higher for Drug Offenses**
- **4.0 times higher for Fraud & Forgery**

DRUG OFFENSES	FRAUD & FORGERY

DRUG OFFENSES

0.7	1.2	1.6	4.5

Number of Restaurant Locations

2,448	6,435	12,194	8,638

FRAUD & FORGERY

7.5	13.6	15.8	30.2

Number of Restaurant Locations

2,635	8,143	14,481	11,185

CAP Scores are based on a scale of 0 to 2000, with 0 representing the lowest risk and 2000 the highest – 100 is average.

● **0-99**	● **100-199**	● **200-399**	● **400-2000**
Below Average Risk	*Moderate Risk*	*Mildly Elevated Risk*	*Moderately to Substantially Elevated Risk*

CAP INDEX & THE RESTAURANT INDUSTRY

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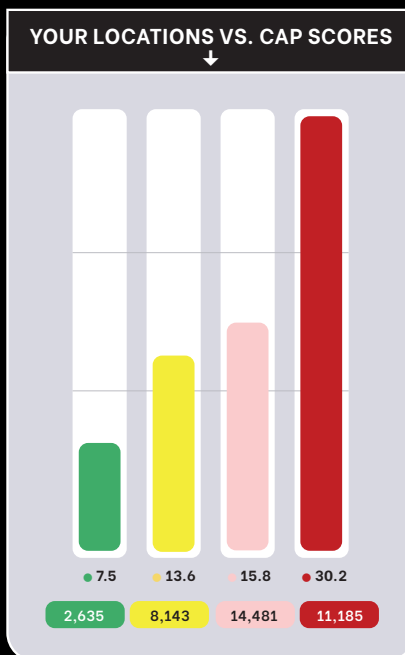of the top 10 restaurant brands rely on CAP

CAP Index provides the restaurant industry with essential data and tools to optimize security programs across all company and franchise locations. Our solutions offer a systematic approach for helping to reduce loss and prevent crime, empowering restaurants to make better operational safety decisions, establish delivery protocols, and efficiently allocate security resources.

GET YOUR **COMPLIMENTARY CRIME RISK ANALYSIS** NOW

You have seen the predictive power of CAP Scores and their correlation to police incident data. Contact CAP Index now for a complimentary analysis of your firm's location and incident data.

DATA POINTS WE ANALYZE:

- Incident & Loss Data
- Claims Data
- Operational Variables
- Security Measures
- Transaction Data

YOUR LOCATIONS VS. CAP SCORES

7.5	13.6	15.8	30.2
2,635	8,143	14,481	11,185

➜ **Do your incidents occur at locations in high CAP Risk Categories?**

➜ **How might crime at your locations impact sales, loss, and liability claims?**

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MORE THAN
80%
of Fortune 100 companies rely on CAP Index

Please Note: Delayed reporting and changes in recording practices may impact reported crime trends. The availability of crime types and location information varied by city. The analysis was based on the coordinates provided by each police department and relied upon the data made available at the time of collection; therefore, there is no guarantee that it includes a full representation of all crimes occurring within the selected cities or time periods.

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