

CoreLogic®

CrimeRisk™

Empowering underwriters with a deep-market view of risk at the property level.

Methodology

Risk is Everywhere

Crime rates directly impact risk exposure, insurance rates for commercial and residential properties, SIU, claims processing, and marketing resources. A top challenge for insurers is mitigating risk and uncertainty in both known and unknown neighborhoods and markets.

Manage it wisely with high-resolution, spatially accurate crime data

Since the risk of crime often varies more from address to address within cities than it does between most cities, you can't afford to risk your budget and company by using inaccurate and broad-brush city-wide, ZIP Code, or census tract numbers. You need to know the risks for the address where your insured is located. And you need the information to be instant, objective, and accurate. Look no further than CrimeRisk.

Addressing the Need for Complete and Accurate Crime Counts

Until now, accurately quantifying the risk of crime for an address has been hindered by two prevailing impediments:

Incomplete and inaccurate crime counts at the city level due to an agency-centric rather than geographic-centric method of reporting to the Federal Government.

Crimes are reported by individual law enforcement agencies, rather than by city or town, and many cities (even small ones) have more than one agency responsible for law enforcement (municipal, university, county, transit, etc.). Even FBI data are reported by agency (not by city or town). FBI data only provides city-wide general counts, and only from one agency in the city, so it is generally incomplete for the city overall, as well as not specific to your site or address.

The lack of reported crime locations by most law enforcement agencies, making it difficult to determine the actual neighborhoods where most crimes in the U.S. occur, and hence, where risk of crime is greatest.

Most U.S. law enforcement agencies don't geocode the specific locations of reported crimes, making it difficult to ascertain the locations and neighborhoods where most crimes occur. Even when crime locations are known, the incidents have not been normalized based on resident and visitor population in the vicinity of an address, so the risk of crime can't be accurately quantified.

Introducing CrimeRisk™

CrimeRisk is a proprietary solution that provides the most spatially-accurate crime data available today—at the policy address level. CrimeRisk utilizes correct crime counts—the complete number and types of crimes that are truly known to occur within any city or town—empowering insurers to:



Identify the real risk

CrimeRisk helps you identify the real risk of a property so you can make more accurate decisions regarding risk.

Improve underwriting performance

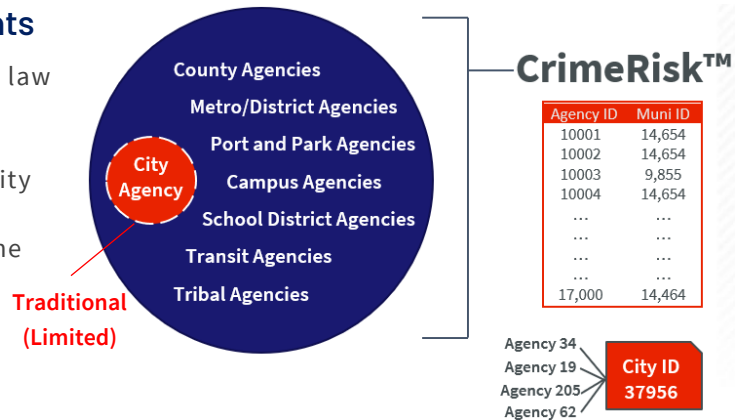
Instantly assess the risk of crime across your book and when underwriting new policies.

Target locations for marketing with laser precision

Determine the neighborhoods with the lowest total risk of crime for better policy uptake.

Precision Risk Models, Powerful Insights

CrimeRisk collects raw crime data from all 18,000 law enforcement agencies in the U.S., and uses a relational database built from the ground up to assign reported crimes from each agency to the city where it has law enforcement responsibility. This method provides an accurate representation of the complete number and types of crimes that are truly known to occur within any city or town.



Over 120 Proprietary Models

With this exclusive and comprehensive foundation of crime counts, CrimeRisk then uses more than 120 proprietary computer models, developed by CoreLogic's PhD experts, to statistically predict the number and rates for every major type of crime for every community in the U.S. Since the numbers of reported crimes that occur in each community are known, CrimeRisk is uniquely able to validate its models against the only comprehensive location-centric crime database in the U.S. with complete national coverage.

Using validated precision models for every major crime type, CrimeRisk then builds risk data for nearly a quarter of a million neighborhoods across the U.S. This dense net of crime data is input to CrimeRisk spatial risk models, resulting in a national database of Census Block resolution risk data for the entire U.S.

Cone of Influence

Finally, a custom CrimeRisk calculation is generated on demand from these data and is based upon a distance weighted cone of influence around any specified address. The CrimeRisk calculation is weighted most heavily nearest the address and lessens as it progresses outward, depending on distance and population. This is because risk of crime can be visited on your site not only from the risk at your door, but by risks in your vicinity where threats may emerge. In dense cities, the cone of risk influence on your address is closer to your site, as it should be. In suburban or rural areas, the cone of influence is allowed to extend further outward.

Put CrimeRisk to Work

- Highest resolution crime analytics available to Census block
- 100% seamless national coverage
- Data validated on more than 8,000 cities nationwide
- Normalized data with predictive accuracy up to 98%
- 10 major crime categories (total crime, total property crime, total violent crime, murder, rape, robbery, aggravated assault, burglary, larceny-theft, and arson)
- 5-year crime forecast
- No redlining

CrimeRisk can be accessed via API, bulk file processing, or via web platform.