

## CYBER RISK QUANTIFICATION WITH RISKLENS

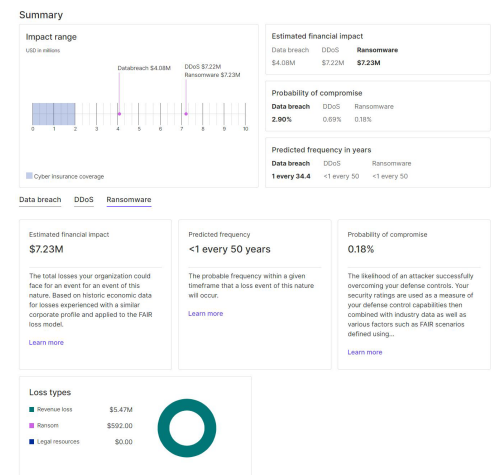
**SecurityScorecard** has partnered with **RiskLens**, enabling you to translate cyber risk into monetary values and evaluate and prioritize security investment options. RiskLens analyzes data from SecurityScorecard to generate risk quantification outputs.

**RiskLens** automates the loss and likelihood modeling for the following attack types using the Factor Analysis of Information Risk (FAIR™) framework

- Ransomware
- Data breach
- Distributed denial of service

## RISK QUANTIFICATION OUTPUTS

- **Financial impact** - Quantifies financial losses for a specific type of successful attack
- **Probability of compromise** - Quantifies the likelihood of an attacker bypassing the company defenses and causing material financial impact
- **Predicted frequency** - Quantifies the likelihood of losses occurring over time
- **Loss types** - Breaks financial impact into source of loss, like ransomware payments, business interruption, and remediation costs



Powered by RiskLens

## BENEFITS

### LOWER YOUR CYBER RISK

Reduce the impact of cyber incidents prioritizing security investments towards the most likely or damaging loss scenarios.

### STRENGTHEN THE BALANCE SHEET

Direct capital towards the security enhancements that are most closely aligned with business goals and financial performance.

### IMPROVE COLLABORATION AND COMMUNICATION

Simplify the way cyber risk is discussed and communicated with your peers by defining it in business metrics.

## HOW SECURITYSCORECARD DATA IS USED BY RISKLENS

**SecurityScorecard** informs the Loss Event Frequency side of the FAIR model, which is concerned with the probable likelihood of a negative cybersecurity event.

**RiskLens** has leveraged years of historical SecurityScorecard company ratings which provide a

data-driven history of a company's Deterrence and Resistance Loss Event Prevention controls. In conjunction with firmographics, ratings data is used to model a loss event probability distribution of common types of attacks a company may encounter.

This **SecurityScorecard**-driven Loss Event Frequency is used with the Loss Magnitude modeling to populate both halves of the FAIR ontology.

## RISKLENS MODEL CALIBRATION

**RiskLens** has calibrated the FAIR model using risk data from open and proprietary sources. This includes the VERIS Community Database (VCDB) and affiliated Verizon Data Breach Investigations Report, legal and insurance filing data such as the Advisen Cyber loss feed, security posture scans from Security Scorecard, and Consumer Price Index (CPI) data from the Federal Reserve Bank of St. Louis (FRED).

## RISKLENS MODEL VALIDATION

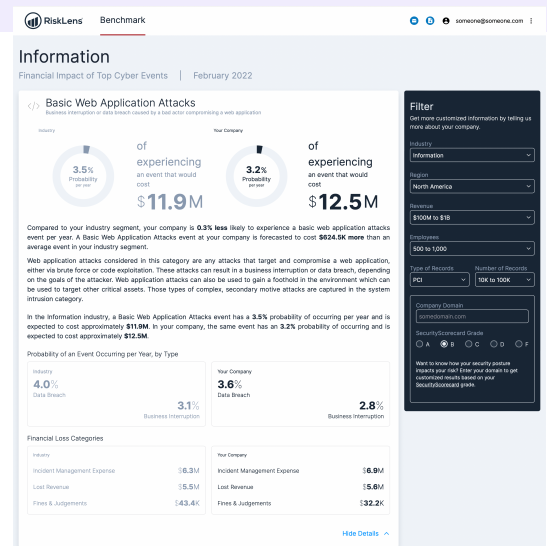
FAIR-based scenario modeling has been reviewed in depth, most notably when published as an open standard by the Open Group consortium, which has since established a corpus of training and certification courses around the model.

The component submodels used in this simulation are k-fold cross-validated during training and then tested for out-of-sample fit for the FAIR node they are estimating.

## BONUS OFFER: COMPARE YOUR ORGANIZATION'S CYBER RISK TO YOUR INDUSTRY

**My Cyber Risk Benchmark from RiskLens** is a self-service, web-based tool that can quickly help organizations evaluate the probability and impact of top cyber risks in their industry, and then compare their own organization to the benchmark.

**SecurityScorecard users get access to this tool FREE for the first year (a \$5,000 value)** when they choose **RiskLens** as the data provider for the **SecurityScorecard** Cyber Risk Quantification solution.



## ABOUT RISKLENS



**RiskLens** helps organizations make better cybersecurity and technology investment decisions with software solutions that quantify cyber risk in financial terms. The company created Factor Analysis of Information Risk (FAIR™), the international standard for cyber risk quantification, and it is the Technical Advisor to the FAIR Institute. The **RiskLens** platform is the only enterprise-scale software-as-a-service (SaaS) application for FAIR analysis. **RiskLens** creates flexibility to adopt FAIR and build programs, supporting companies at various maturity levels and with different business needs. With capabilities across the risk management process, and a large client base of Fortune 500 businesses, **RiskLens** is the only company with the expertise to help organizations navigate their most complex and challenging cybersecurity decisions.

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