

# China Earthquake MMI Data

Underwriting support for the largest earthquake risk concentration in the world

## BENEFITS

- Quantify potential damage to individual locations for high-resolution risk pricing and selection
- Assess and monitor exposure accumulations
- Apply potential loss scenarios to strategize portfolio growth

## LOCAL AND INTERNATIONAL MARKET SUPPORT

Rapid economic development across Asia is driving an upward trend in insurance penetration rates, with China projected to become the third largest insurance market by 2020.

RMS® China Earthquake Modified Mercalli Intensity (MMI) Data quantifies the potential damage to individual locations, enhancing the local and international insurance markets' understanding and management of China's earthquake risk.

## UNDERSTAND RISK IN AN INSTANT

Data is derived from the RMS® China Earthquake Model, and expressed using MMI, a qualitative scale for assessing, communicating, and categorizing the intensity of an earthquake at a site. The MMI scale ranges from 1-12, providing detailed information to quickly determine if a location is at risk.

## HIGH-RESOLUTION HAZARD ASSESSMENT

China is one of the most seismically active countries in the world. Almost 50 percent of its population lives in areas of moderate to high earthquake hazard, where damaging earthquakes can be expected every one to several hundred years.

With location-level coverage for mainland China, including Hong Kong and Macau, RMS China Earthquake MMI Data enables comprehensive, high-resolution underwriting and portfolio management for China's earthquake risk.

- Evaluate risk at the 100, 200, 500 or 1,000-year return period
- Embed 1, 5, or 10-kilometer ESRI Shape files into maps for high-resolution risk visualization
- Identify low and high hazard zones with 6- and 4-digit postcode resolution Microsoft Access databases

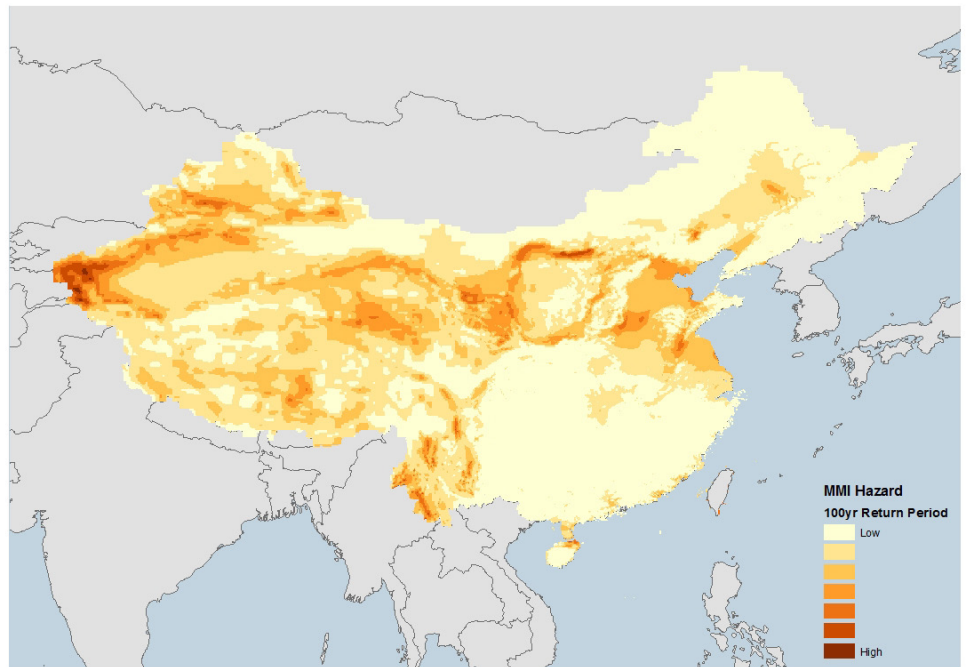


## EFFECTIVE RISK SELECTION

China Earthquake MMI Data is an effective pre-screening tool for properties exposed to earthquake risk. Differentiate between individual risks on a site-specific basis, and visualize hazard zones at a range of return periods to inform your underwriting guidelines.

## ACCUMULATION MANAGEMENT

Delivered in universally accessible formats, RMS China Earthquake MMI Data can be used independently or integrated with RMS® RiskManager software to enable risk visualization, monitoring, and management of your earthquake exposure accumulations across your entire portfolio.



Visualize earthquake risk within RMS® RiskManager software for effective risk selection, enhanced exposure management, and strategic portfolio growth.

To learn more about RMS China MMI Earthquake Data, and all RMS exposure solutions for the Asia-Pacific region, email [asia-exposure@rms.com](mailto:asia-exposure@rms.com).

### ABOUT RMS

RMS models and software help insurers, financial markets, and public agencies evaluate and manage catastrophe risks throughout the world, promoting resilient societies and a sustainable global economy. Our scientific and objective measurement of risk facilitates the efficient flow of capital needed to insure, manage, and mitigate risks to reduce the consequences of disasters.

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