



FEMA



Hazus-MH: Know Your Risk

Take Action Before Hazard Events Become Natural Disasters.

Hazus-MH combines science, engineering and mathematical modeling with GIS technology to estimate losses of life and property—and shows those losses on a map. Hazus estimates impacts to the physical, social, and economic vitality of a community from earthquakes, hurricane winds, and floods.



Hazus-MH 5-Step Risk Assessment Data Report



Rally support for hazard mitigation.

Create customized maps and graphics to show buildings, roads, rivers, coastlines, and infrastructure damages. By visualizing your hazard risk you can make a compelling case to decision makers about the need for mitigation.

How many homes would be lost if this hurricane makes landfall as a Category 3?

What are the costs to repair infrastructure after a Magnitude 7 Earthquake?

If we spent \$2 million to buy out these flood-prone homes, what is the cost-benefit?

Hazus-MH:

- *Standardized risk assessment methodology*
- *Includes National inventory data*
- *Imports risk identification products easily*
- *Campus and online training*
- *Internationally accepted risk methodology*

Visit <http://www.fema.gov/hazus> to learn more.

RiskMAP
Increasing Resilience Together

HAZUS-MH Capabilities	Earthquake	Flood	Hurricane
	Ground Shaking Ground Failure	Frequency Depth Discharge Velocity	Pressure Missile Rain
Direct Damage			
General Building Stock	✓	✓	✓
Essential Facilities	✓	✓	✓
High Potential Loss Facilities	✓		
Transportation Systems	✓	✓	
Utility Systems	✓	✓	
Induced Damage			
Fire Following	✓		
Hazardous Materials Release	✓		
Debris Generation	✓	✓	✓
Direct Losses			
Cost of Repair	✓	✓	✓
Income Loss	✓	✓	✓
Crop Damage		✓	
Casualties	✓	Generic Output	
Shelter Needs	✓	✓	✓
Indirect Losses			
Supply Shortages	✓	✓	
Sales Decline	✓	✓	
Opportunity Costs	✓	✓	
Economic Loss	✓	✓	

Included with Hazus-MH. Free!

- Hazus-MH methodology for earthquakes, hurricane winds, and floods.
- Demo license for ArcGIS and discounts to purchase Esri software.
- National data sets containing: select boundary maps, lifeline utility systems, aggregated building information, hazardous materials, essential facilities, agricultural products, high potential loss facilities, vehicle data, transportation systems, and demographic data.

Take Another Look at Hazus-MH

Led by FEMA, Hazus-MH has been tuned and improved over the last two decades by top scientific and technical experts.

If you've tried an earlier version of Hazus-MH and have stopped using it, it's time to take another look. New capabilities and upgraded functionality make it easier to use and more accurate than ever.

Federal, State, and local government agencies and the private sector can download Hazus-MH free-of-charge through the FEMA Map Service Center (MSC) at msc.fema.gov.

Hazus-MH: The Risk MAP Assessment Tool!

