Disaster Impact Modeling for Response Agencies

Niyam's Risk Analytics team collaborates with FEMA to provide authoritative impact estimates for major U.S. disasters using FEMA's Hazus loss modeling tools. Modeled impacts include building damages, shelter requirements, economic losses, and debris totals - information that helps decision makers allocate response resources and prepare for recovery activities.





34,923 6420 835 54

\$1.8B in total economic

loss, including \$183M in

structural damage

§ 2018

ANCHORAGE, AK MAGNITUDE 7.1

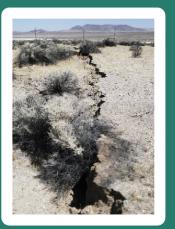
2019

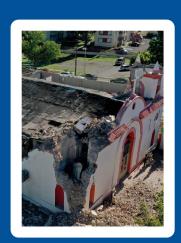
RIDGECREST, CA **MAGNITUDE 6.4**



4040

\$100.4 Million in total economic losses









41,380 10,370 620 10

\$838 Million in total economic losses

INDIOS, P.R. **MAGNITUDE 6.4**

¥2020

MAGNA, UT MAGNITUDE 5.7



15,773 2686 165 3



\$629M in total economic loss, including \$62M in structural damage

As post-disaster damage assessments become increasingly challenging in the face of the global COVID-19 pandemic, Niyam's virtual impact modeling has offered a safe and accurate alternative for information gathering in the chaotic days following a disaster. For more information about our Risk Modeling capabilities, contact us at risk@niyamit.com.

