

Global Volcano Mortality Risk Distribution



Mortality risk is found by weighting the value of population exposure to volcanoes for each grid cell by a vulnerability coefficient to obtain an estimate of risk. The vulnerability weights are based on historical losses in previous disasters. The mortality weights are applied to population exposure to obtain mortality risks. The weights are an aggregate index relative to losses within each region and country wealth class (classifications based on 2000 GDP) over the 20-year period from 1981 – 2000.

Source:

Dilley, Maxx, Robert S. Chen, Uwe Deichmann, Arthur L. Lerner-Lam, and Margaret Arnold. 2005. *Natural Disaster Hotspots: A Global Risk Analysis*. Washington, D.C.: World Bank.

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