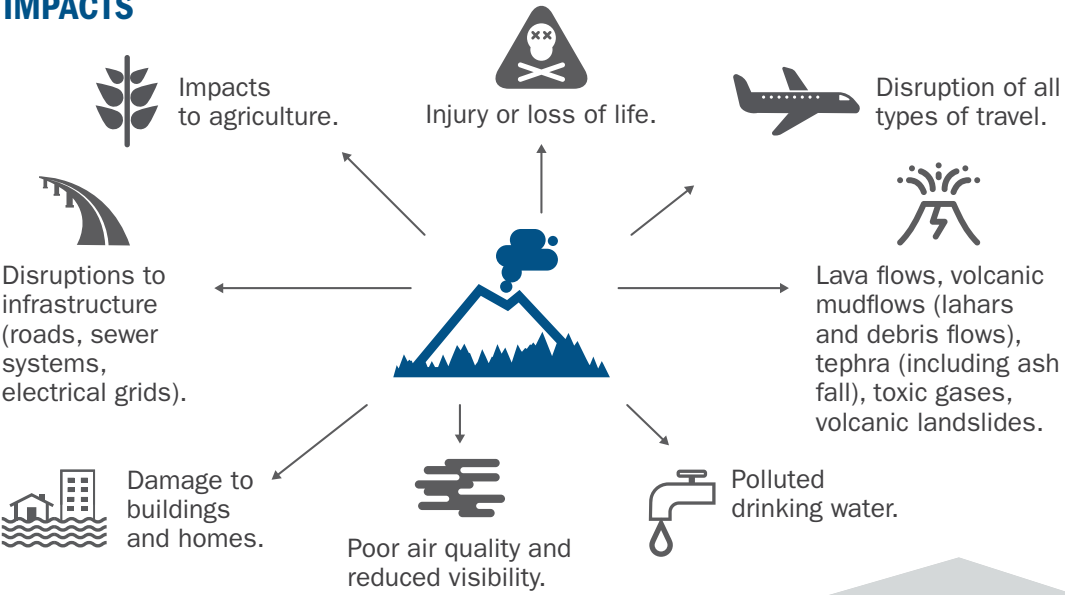




VOLCANO

A volcano is a vent in the earth’s crust through which magma, rock fragments, gases, and ash are ejected from the earth’s interior. Lava and debris can flow at up to 100 mph. Volcanic ash can travel hundreds of miles.

IMPACTS








DEFINITIONS






-  **Debris Flow:** a mix of rocks and water that flows down the sides of a volcano. Also referred to as volcanic mudflow or debris flow. Historically, these flows have been one of the most deadly volcanic hazards.
-  **Airborne Debris:** fragments ejected from a volcano that travel through the air. The largest fragments (>64 mm) travel fast but usually fall to earth within a few kilometers of a volcano. Volcanic ash is rock particles smaller than 2 mm. Ash may be ejected high into the atmosphere and carried hundreds or thousands of kilometers downwind.

Reducing Risk

HOW I CAN REDUCE MY RISK

-  Find out if you live, spend time or travel in a known volcano zone.
-  Sign up to receive emergency notifications.
-  Have a shelter-in-place plan if your biggest risk is from ash.
-  Follow shelter-in-place orders and evacuation orders. Know your evacuation route. If advised, evacuate early.
-  Practice sheltering, communication, and evacuation plans with everyone in your family.

HOW LOCAL OFFICIALS CAN REDUCE MY RISK

-  Incorporate volcano hazard assessments into community plans.
-  Regulate development in volcano hazard areas.
-  Conduct outreach on volcano risk. Share what can be done before, during and after.
-  Relocate critical facilities out of volcano hazard areas.
-  Support scientific monitoring and research to increase early warning technologies, enhance preparedness, and better understand risk.

Additional Resources

- Ready.gov**
www.ready.gov/volcanoes
- FEMA Volcano Preparedness**
www.community.fema.gov/ProtectiveActions/s/article/Volcano
- U.S. Geological Survey Volcano Hazards Program**
www.volcanoes.usgs.gov
- Volcano Notification Service (VNS)**
www.volcanoes.usgs.gov/vns2/

Contact your local or state emergency management department for more information on volcano risk reduction.

