

Source: World Bank Data, 2019 / *Source: Human Development Reports, UNDP, 2019

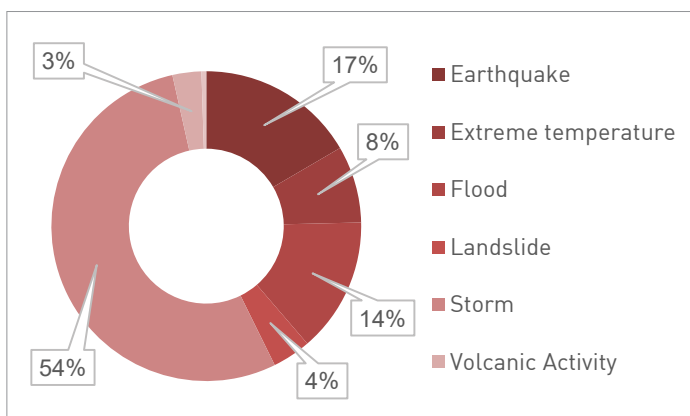
HAZARD PROFILE

A. WORLD RISK INDEX

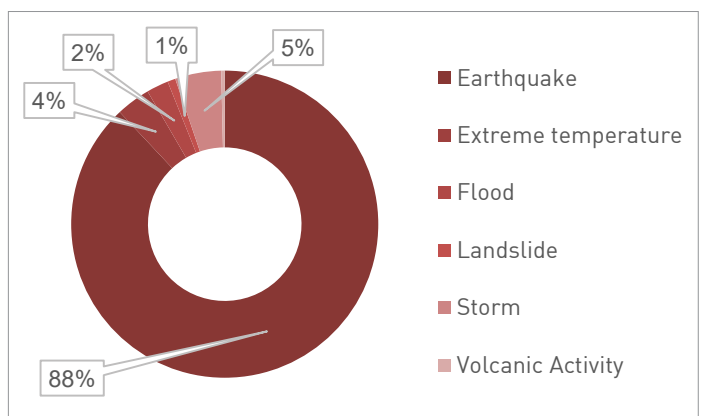


Source: World Risk Report 2020, Bündnis Entwicklung Hilft and Ruhr University Bochum

B. Frequency of disasters (1990-2020)






C. Mortality due to disasters (1990-2020)



Source: CRED-EMDAT, 2021

D. Average Annual Loss (AAL) by Hazard (1990-2014)





Hazard	Absolute [Million US\$]	Capital stock [%]	Investments (GFCF*) [%]	Social exp [%]	Total Reserves [%]	Gross Savings [%]
 Earthquake	31,857.11	0.081	3.077	2.475	2.575	2.452
 Storm Surge	17,812.27	0.045	1.721	1.384	1.440	1.371
 Volcano	11,249.01	0.029	1.087	0.874	0.909	0.866

*Gross Fixed Capital Formation

Source: Global Assessment Report on Disaster Risk Reduction, 2015

INFRASTRUCTURE PROFILE

A. Transportation

	National Expressway (Km)	National Highway (Km)	Prefectural Roads (Km)	Municipal Roads (Km)
Roadways	8,776	55,565	129,603	1,028,375
Source: Roads in Japan, Road Bureau, Ministry of Land, Infrastructure, Transport and Tourism, 2018				
	Total route (Km), 2018	Passengers carried (Million-km), 2019		No. of Ports
Railways	19,123	437,363	Waterways	292
Source: World Bank Data, 2019		Source: Estimate from World Port Source		
	No. of airports 2019	Total Flights 2019	Passengers carried (Thousands), 2019	
Airways	148	1,018,436	130,233.35	
Source: Estimate from Airport Codes		Source: World Bank Data, 2019		

B. Telecommunications

Mobile cellular subscriptions (per 100 people), 2019	Fixed telephone subscriptions (per 100 people), 2019	Fixed broadband subscriptions (per 100 people), 2019
147	49	33.5
Source: World Bank Data, 2019		

C. Energy and Power

Access to electricity (% of total population) 2018	Electricity production from coal, oil and gas sources (% of total), 2015	Electricity production from Renewable sources excluding hydroelectricity (% of total), 2015	Electricity production from nuclear sources (% of total), 2015
100	80.3	7.8	0.912
Source: World Bank Data, 2019			

D. Healthcare

Hospital beds (per 10,000 population), 2019	Rank	Medical Doctors (per 10,000 population), 2018	Rank
130	2/178	25	67/193
Source: Indicators, The Global Health Observatory, World Health Data Platform			

E. Water and Sanitation

People using at least basic drinking-water services (% of total population), 2017	People using at least basic sanitation services (% of total population), 2017
99.01	99.895
Source: WHO-UNICEF, 2017	

Projected Infrastructure Investments

Million US\$, 2015 prices and exchange rates 2016-2040 (Current Trends)	Road	Rail	Airports	Ports	Telecoms	Electricity
	1,417,000	266,000	55,000	98,000	734,000	890,000
Source: Global Infrastructure Outlook, Global Infrastructure Hub						

Global Competitiveness Index

Quality of Infrastructure (Rank)		Railway	2/137		Roads	6/137		Air	26/137
	4/137		Ports	21/137		Electricity Supply	10/137		ICT Use

Glossary

Source: The Global Competitiveness Report 2017-2018, World Economic Forum