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Department of Local Governance & Disaster Management
Ministry of Home Affairs

B1b Population Exposure by social groups

Measurement units: Number of people

		C3a1 - Age groups				TOTAL	C2a2 - Sex		TOTAL	C2a3 - Urban/Rural population		TOTAL	C2a4 - Specific vulnerability groups		NO TOTAL
		0-5	0-15	16-64	65+		Male	Female		Urban	Rural		Disabled	Poor	
1	Population		SDG 1.5.1, Sendai A1,B1	SDG 1.5.1, Sendai A1,B1	SDG 1.5.1, Sendai A1,B1	SDG 1.5.1, Sendai A1,B1	SDG 1.5.1, Sendai A1,B1	SDG 1.5.1, Sendai A1,B1	SDG 1.5.1, Sendai A1,B1	SDG 1.5.1, Sendai A1,B1	SDG 1.5.1, Sendai A1,B1	SDG 1.5.1, Sendai A1,B1	SDG 1.5.1, Sendai A1,B1		
2	Population in Hazard Areas														
	2.1 Geophysical														
	2.1.1 High exposure														
	2.1.2 Moderate exposure														
	2.1.3 Low exposure														
	2.2 Hydrological														
	2.2.1 High exposure														
	2.2.2 Moderate exposure														
	2.2.3 Low exposure														
	2.3 Biological														
	2.3.1 High exposure														
	2.3.2 Moderate exposure														
	2.3.3 Low exposure														
	2.4 Meteorological & Climatological														
	2.4.1 High exposure														
	2.4.2 Moderate exposure														
	2.4.3 Low exposure														
	2.5 Other [specify]														
	2.5.1 High exposure														
	2.5.2 Moderate exposure														
	2.5.3 Low exposure														

Data sources: joint work of NSO and NDMA, background statistics derived from population and housing census; maps of hazards calculated by NDMA

Links to global indicators: Number of deaths attributed to disasters, per 100,000 population

Exposure is measured according to hazard area maps, produced using a variety of physical data inputs (see Chapter 2). Hazard maps are overlaid with social and economic statistics to estimate exposure.

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Measurement units: Number of people



Demographic data usually collected by any survey



Spatial data, boundaries, hazard map, etc. to be prepared by authority



Special data more often collected

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Simple APP

B2a Exposure of Land and Infrastructure by Hazard Type

Measurement units: see below table

		Geo-physical	Hydrological	Meteorological & Climatological	Biological	Other	NATIONAL TOTAL	Measurement Units
1	Critical infrastructures in Hazard Area							
1.1	Hospitals, health facilities							buildings, by type
1.2	Education facilities							buildings, by type
1.3	Other critical public administration buildings							sq m.
1.4	Public Monuments							sq m.
1.4.1	<i>Religious buildings</i>							
1.5	Roads							km
1.6	Bridges							m
1.7	Airports							buildings, by type
1.8	Piers							facilities, by type
1.9	Railways							km
1.10	Transport equipments							facilities, by type
1.11	Electricity generation facilities							facilities, by type
1.12	Electricity grids							facilities, by type
1.13	ICT Equipments							facilities, by type
1.14	Dams							facilities, by type
1.15	Water supply infrastructure							facilities, by type
1.16	Water sewage & treatment systems							facilities, by type
1.17	Other critical infrastructures							facilities, by type
2	Land							
2.1	Land							sq km
2.2	Agricultural land							sq km
2.3	Forest Areas							sq km
2.4	Built-up areas							sq km

Data source: Joint work of NDMA and official data source of land cover, land use, and infrastructure maps

Definitions for Critical Infrastructure: See DRSF Classification of Material Impacts (Chapter 8)

Land defined according to definition in SEEA Central Framework: "the space in which economic activities and environmental processes take place and within which environmental assets and economic assets are located."

Definitions for Agricultural land, forest areas, and built-up areas, see: DRSF Chapter 8.

Measurement units: Chapter 5

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Different agencies

Scattered in different agencies
incomplete
duplicated
irretrievable

Can try to compile

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Measurement units: Chapter 5

Administration officer (GAO) and local people's representative (MANGMI)

OpenStreetMap

Google map and OSM

Basic use like finding places, navigating ways, sharing locations

Google map and OSM

Merits of OSM

How to update OSM

ID Editor

JOSM

MAPS.ME

Thank you