



**SIERRA LEONE**

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**PORT LOKO**

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**NDPBA DISTRICT PROFILE**

# SIERRA LEONE

## PORT LOKO

### CAPITAL: PORT LOKO

Area: 5,719 km<sup>2</sup>

Port Loko borders the Western Area to the west, Kambia district to the North, Bombali district to the East and Tonkolili district to the South. Lunsar is the district's largest town. The city of Port Loko is a major trade center in the Northern Province. There are several mineral deposits in the district including iron ore, gold and bauxite. The main economic activities include mining and production of food crops such as rice, cassava, and sweet potato.



## RISK AND VULNERABILITY

### COMPONENT SCORE



#### MULTI-HAZARD RISK (MHR) - Low

Score: 0.418 • Rank: 9/14



#### RESILIENCE (R) - Moderate

Score: 0.487 • Rank: 6/14



#### MULTI-HAZARD EXPOSURE (MHE) - Low

Score: 0.229 • Rank: 11/14



#### VULNERABILITY (V) - Low

Score: 0.531 • Rank: 9/14



#### COPING CAPACITY (CC) - Moderate

Score: 0.375 • Rank: 11/14



Population (2015)

**615,376**



Infant Mortality Rate

**60**



Illiterate population

**57.0%**



Access to improved water

**52.2%**



Average life expectancy

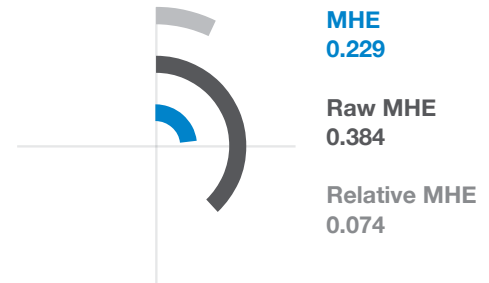
**39 years**

\*For more information on data and components please visit: <https://bit.ly/2LqVoUO>

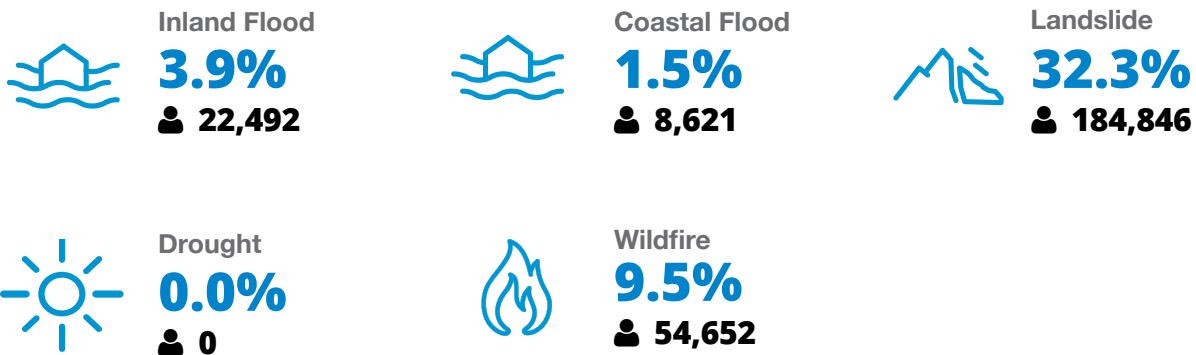


## MULTI-HAZARD EXPOSURE (MHE)

RANK: 11 / 14 DISTRICTS  
SCORE: 0.229



### ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:





## VULNERABILITY (V)

**RANK: 9 / 14 DISTRICTS ASSESSED**  
**SCORE: 0.531**

Vulnerability in Port Loko is primarily driven by Clean Water Access Vulnerability and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the district's overall Vulnerability score.



### Environmental Stress

**Rank: 2/14 Districts Assessed**

<b>1.8%</b>	<b>12.6</b>	<b>31.7%</b>	<b>-0.23</b>	<b>22.2%</b>
Average Annual Forest Loss	Livestock Density (per sq km)	Erosion Potential	Ecological Change	Area Affected by Mining



### Vulnerable Health Status

**Rank: 2/14 Districts Assessed**

<b>39</b>	<b>60</b>	<b>239</b>	<b>3.9%</b>	<b>4.5%</b>	<b>202.1</b>	<b>58.5%</b>	<b>1.5%</b>
Life Expectancy (years)	Infant Mortality Rate (per 1,000 live births)	Maternal Mortality Ratio	Acute Malnutrition (Children <5)	Population with Disability	Tuberculosis Incidence (per 100,000 persons)	Malaria Prevalance (per 100,000 persons)	HIV Prevalance (per 100,000 persons)



### Clean Water Vulnerability

**Rank: 2/14 Districts Assessed**

<b>52.2%</b>	<b>37.9%</b>	<b>91.5%</b>	<b>21.7%</b>
Households with Improved Water Source	Households with Improved Sanitation	Population at High Risk of Fecal Contamination	Water Source > 30 minutes from Home



### Information Access Vulnerability

**Rank: 9/14 Districts Assessed**

<b>57.0%</b>	<b>82.2%</b>	<b>21.2%</b>	<b>15.4%</b>	<b>10.6%</b>	<b>57.7%</b>
Illiteracy Rate (Age 10+)	Primary School Attendance Ratio	Upper Secondary Completion Rate	Households with Internet	Households with Television	Households with Internet



### Economic Constraints

**Rank: 9/14 Districts Assessed**

<b>81.83</b>	<b>6.0%</b>	<b>0.27</b>	<b>16.2%</b>
Economic Dependency Ratio	Population in Poorest Wealth Quintile	Income Inequality (GINI)	Child Labor Participation (Age 10-14)



### Gender Inequality

**Rank: 13/14 Districts Assessed**

<b>0.71</b>	<b>0.76</b>	<b>0.94</b>	<b>1.01</b>	<b>17.1%</b>
Female to Male Land Ownership*	Female to Male Home Ownership*	Female to Male Labor Participation*	Female to Male Secondary Education*	Female Seats in Local Council

\*Values closer to 1 represent greater gender parity.



### Population Pressures

**Rank: 12/14 Districts Assessed**

<b>2.8%</b>	<b>11.8%</b>	<b>1.57</b>	<b>30.5%</b>	<b>33.5%</b>
Average Annual Population Change	Average Annual Urban Population Change	Net Migration Rate	Population that is Food Insecure	Ratio of Youth (15-24) to Adult (15+)



## COPING CAPACITY (CC)

**RANK: 11 / 14 DISTRICTS ASSESSED**  
**SCORE: 0.375**

Port Loko exhibits weaker Coping Capacity in the areas of Emergency Service Capacity and Communications Capacity. The bar chart indicates the socioeconomic themes contributing to the district's overall Coping Capacity score.



### Economic Capacity



**Rank: 8/14 Districts Assessed**

**14.4%**

Households with Bank Account

**96.1%**

Income per Capita

**13.1%**

Population in Highest Wealth Quintile

**1.19**

Financial Institutions per 100k Persons



### Governance



**Rank: 3/14 Districts Assessed**

**0.49**

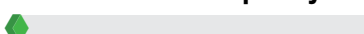
Conflict Events per 100k Persons

**78.4%**

Voter Participation



### Environmental Capacity



**Rank: 13/14 Districts Assessed**

**0.1%**

Protected Area



### Infrastructure Capacity



**Rank: 7/14 Districts Assessed**



### Health Care Capacity

**Rank: 10/14 Districts Assessed**

**13**

Hospital Beds per 10,000 People

**0.13**

Physicians per 10,000 People

**2.93**

Nurses per 10,000 People

**10.03**

Average Distance to Nearest Hospital (km<sup>2</sup>)

**53.0%**

Vaccination Coverage



### Transportation Capacity

**Rank: 3/14 Districts Assessed**

**1.37**

Road Density (km per sq. km)

**32.59**

Distance to Airport or Seaport (km)



### Communications Capacity

**Rank: 8/14 Districts Assessed**

**70.1%**

Households with Mobile Phone

**8.25**

Cellular Towers per 100k Persons



### Energy Capacity

**Rank: 5/14 Districts Assessed**

**11.3%**

Households Connected to Electric Grid

**1.28**

Fuel Stations per 100k Persons



### Emergency Service Capacity



**Rank: 7/14 Districts Assessed**

**0**

Firefighters per 100k Persons

**0**

Search and Rescue Teams per 100k Persons

**0.16**

Fire Vehicles per 100k Persons



## RESILIENCE (R)

**RANK: 6 / 14 DISTRICTS****SCORE: 0.487**

Port Loko's score and ranking are due to Low Vulnerability combined with Moderate Coping Capacity scores.

**Below are the four thematic areas with the weakest relative scores:**



**Clean Water  
Access  
Vulnerability**



**Environmental  
Stress**



**Emergency Service  
Capacity**



**Communications  
Capacity**



## HAZARD-SPECIFIC RISK

**Coastal Flood****SCORE: 0.34/14****RANK: 4****Inland Flood****SCORE: 0.09****RANK: 12****Drought****SCORE: 0.00/14****RANK: 7****Landslide****SCORE: 0.21/14****RANK: 8****Wildfire****SCORE: 0.09/14****RANK: 9**



## MULTI-HAZARD RISK (MHR)

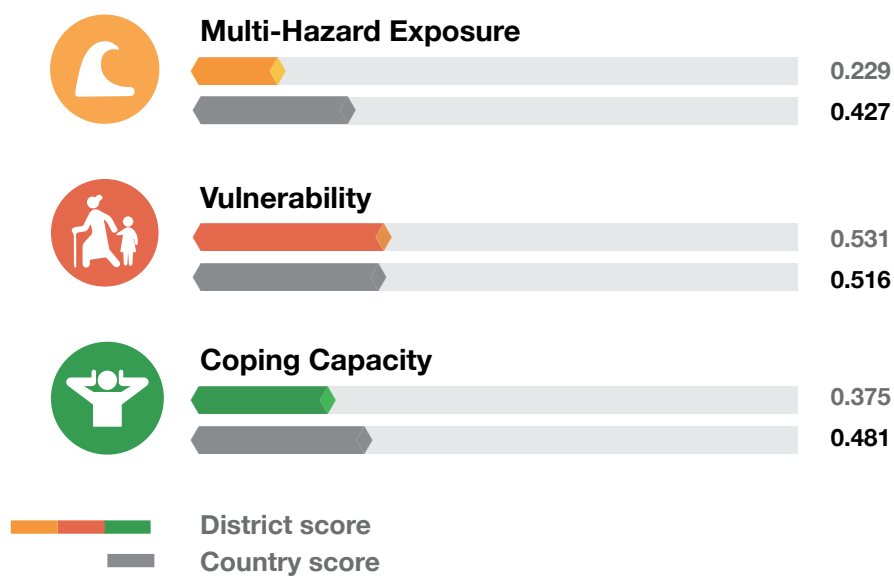
**9 / 14**

Rank within districts  
Score: 0.418



Port Loko's score and ranking are due to Low Multi-hazard exposure combined with Low Vulnerability and Moderate Coping Capacity scores.

### Multi-hazard risk component scores compared to overall average country scores:



## PORT LOKO RECOMMENDATIONS

1

### Clean Water Access Vulnerability

Those without easy or adequate access to water distribution and containment systems face significant demands on daily routines that effectively limit their response and recovery capacity and the ability to maintain livelihoods. Increasing access to improved water and sanitation in Port Loko improves health outcomes and frees up resources to decrease further susceptibility to impacts.

Findings show that Port Loko district ranks 2nd in overall clean water vulnerability, with reduced access to improved water and sanitation. This is combined with high risk of E. Coli contamination in drinking water, and high proportion of households reporting a time-consuming process for water collection

Invest in improved water and sanitation infrastructure to increase access and reduce exposure to disease.

2

### Environmental Stress

Environmental stressors such as the depletion, degradation, or contamination of natural resources can exacerbate natural hazards and negatively impact the health, safety, and economic security of Port Loko's population.

Focus on protecting environmental resources from degradation, deforestation, and pressures from mining operations. These environmental stresses increase the likelihood of hazard events and have wider implications for negative impacts on health and livelihoods, decreasing resilience.



# PORT LOKO RECOMMENDATIONS

1

## Emergency Service Capacity

Societies establish capacities to manage emergencies that scale from day-to-day events up to catastrophes that impact all of society. Establishing and maintaining a broad range of systems and resources to support emergency services in Port Loko will increase the capacity for disaster management and response.

Findings showed that Port Loko district has one fire engine, located at Lungi, with few other resources to support emergency service capacity. Focus on building community and volunteer fire and emergency response corps.

Identify government or external resources to conduct emergency services training and conduct district-level exercises on a regular basis.

Connect vulnerable and exposed communities to training through the Sierra Leone Red Cross Community Disaster Preparedness project. In conjunction with Red Cross efforts, develop locally-managed community emergency response teams (CERT).

2

## Communications Capacity

The density, diversity, resilience, and quality of communications infrastructure influence how district- and local-level populations able to facilitate effective and coordinated communication.

Pursue public-private partnerships to increase availability of affordable mobile communications and sustainable power supply.

Incentivize expansion of the existing cellular network by increasing the consumer base for mobile communications.

**Better solutions.  
Fewer disasters.**

# Safer world.

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