



SIERRA LEONE

**KENEMA**

**NDPBA DISTRICT PROFILE**

# SIERRA LEONE

## KENEMA

### CAPITAL: KENEMA

Area: 6,053 km<sup>2</sup>

Kenema District is in the Eastern Province of Sierra Leone, the capital and the largest city is Kenema. The city is located on the railway line in a valley of the Kambui Hills. Kenema district lies in the eastern region of Sierra Leone and it borders with Tonkolili and Kono districts to the north, Kailahun district to the east, Pujehun district to the southwest and Bo district to the West. It also shares a border to the south with the Republic of Liberia. The main economic activity in the district is farming employing over 75% of the people. The district receives adequate rainfall and has extensive inland valley swamps that are under cultivation. The major crops grown in the district are rice, cassava, vegetables, groundnuts, garden eggs, pepper and eggplant. Cash crops come from oil. Other economic activities include sand and stone quarrying in the Moa River basin and some swamps. Great tourist opportunities exist in the game reserves of the Gola Forest and Kambui-Nimini Hills, the Tiwai Island - Koya Chiefdom - and the beaches on the Moa.



## RISK AND VULNERABILITY COMPONENT SCORE



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

Score: 0.357 • Rank: 13/14



### RESILIENCE (R) - Very High

Score: 0.666 • Rank: 2/14



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

Score: 0.403 • Rank: 8/14



### VULNERABILITY (V) - Very Low

Score: 0.335 • Rank: 13/14



### COPING CAPACITY (CC) - High

Score: 0.310 • Rank: 13/14



Population (2015)

**609,891**



Infant Mortality Rate

**56**



Illiterate population

**52.3%**



Access to improved water

**87.1%**



Average life expectancy

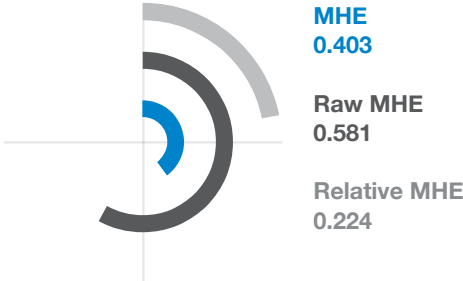
**44.2 years**

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




# MULTI-HAZARD EXPOSURE (MHE)


RANK: 8 / 14 DISTRICTS  
SCORE: 0.403




## ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:




Inland Flood  
**8.6%**  
56,636



Coastal Flood  
**0.0%**  
0



Landslide  
**36.1%**  
236,833



Drought  
**16.7%**  
109,760



Wildfire  
**12.5%**  
82,271



## VULNERABILITY (V)

**RANK: 13 / 14 DISTRICTS ASSESSED**  
**SCORE: 0.335**

Vulnerability in Kenema is primarily driven by Economic Constraints and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the district's overall Vulnerability score.



### Environmental Stress

Rank: 14/14 Districts Assessed

<b>1.5%</b>	<b>151.99</b>	<b>9.2%</b>	<b>0.15</b>	<b>16.5%</b>
Average Annual Forest Loss	Livestock Density (per sq km)	Erosion Potential	Ecological Change	Area Affected by Mining



### Vulnerable Health Status

Rank: 12/14 Districts Assessed

<b>44.2</b>	<b>56</b>	<b>262</b>	<b>1.4%</b>	<b>3.3%</b>	<b>187.2</b>	<b>37.7%</b>	<b>1.0%</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: 14/14 Districts Assessed

<b>87.1%</b>	<b>57.1%</b>	<b>67.2%</b>	<b>5.1%</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: 11/14 Districts Assessed

<b>52.3%</b>	<b>80.1%</b>	<b>18.3%</b>	<b>15.4%</b>	<b>14.2%</b>	<b>57.0%</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: 11/14 Districts Assessed

<b>78.82</b>	<b>2.1%</b>	<b>0.29</b>	<b>18.2%</b>
Economic Dependency Ratio	Population in Poorest Wealth Quintile	Income Inequality (GINI)	Child Labor Participation (Age 10-14)



### Gender Inequality

Rank: 14/14 Districts Assessed

<b>0.99</b>	<b>1.02</b>	<b>0.89</b>	<b>1</b>	<b>25.6%</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: 11/14 Districts Assessed

<b>1.8%</b>	<b>3.1%</b>	<b>12.67</b>	<b>47.0%</b>	<b>32.1%</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: 13 / 14 DISTRICTS ASSESSED**  
**SCORE: 0.310**

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



### Economic Capacity



Rank: 2/14 Districts Assessed

**16.3%**

Households with Bank Account

**97.7%**

Income per Capita

**16.7%**

Population in Highest Wealth Quintile

**4**

Financial Institutions per 100k Persons



### Governance



Rank: 4/14 Districts Assessed

**1.48**

Conflict Events per 100k Persons

**85.8%**

Voter Participation



### Environmental Capacity



Rank: 3/14 Districts Assessed

**11.0%**

Protected Area



### Infrastructure Capacity



Rank: 4/14 Districts Assessed



### Health Care Capacity Rank: 4/14 Districts Assessed

**16**

Hopital Beds per 10,000 People

**0.13**

Physicians per 10,000 People

**4.96**

Nurses per 10,000 People

**11.9**

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

**75.5%**

Vaccination Coverage



### Transportation Capacity Rank: 5/14 Districts Assessed

**0.76**

Road Density (km per sq. km)

**18.91**

Distance to Airport or Seaport (km)



### Communications Capacity Rank: 4/14 Districts Assessed

**66.1%**

Households with Mobile Phone

**12.54**

Cellular Towers per 100k Persons



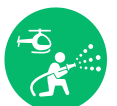
### Energy Capacity Rank: 6/14 Districts Assessed

**17.5%**

Households Connected to Electric Grid

**0.66**

Fuel Stations per 100k Persons



### Emergency Service Capacity



Rank: 4/14 Districts Assessed

**2.79**

Firefighters per 100k Persons

**0.49**

Search and Rescue Teams per 100k Persons

**0.16**

Fire Vehicles per 100k Persons





## RESILIENCE (R)

**RANK: 2 / 14 DISTRICTS**  
**SCORE: 0.666**

Kenema's score and ranking are due to Very Low Vulnerability combined with High Coping Capacity scores.

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



**Economic Constraints**



**Information Access Vulnerability**



**Energy Capacity**



**Communications Capacity**



## HAZARD-SPECIFIC RISK



**Coastal Flood**

**SCORE: 0.00/14**  
**RANK: 8**



**Inland Flood**

**SCORE: 0.16**  
**RANK: 6**



**Drought**

**SCORE: 0.25/14**  
**RANK: 5**



**Landslide**

**SCORE: 0.16/14**  
**RANK: 9**



**Wildfire**

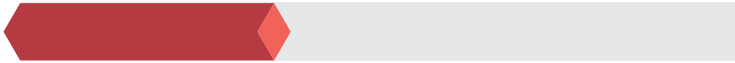
**SCORE: 0.09/14**  
**RANK: 11**



# MULTI-HAZARD RISK (MHR)

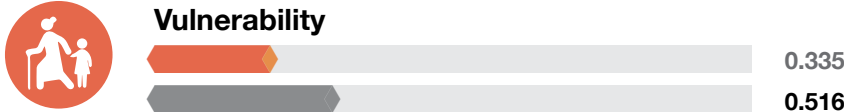
**13 / 14**

Rank within districts  
Score: 0.357



Kenema’s score and ranking are due to Moderate Multi-hazard exposure combined with Very Low Vulnerability and High Coping Capacity scores.

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



District score  
Country score

# KENEMA RECOMMENDATIONS

## 1

### Economic Constraints

Economic constraints have individual, household, community, and district-wide influence. Limitations on available financial resources reduce opportunities to invest in mitigation and preparedness measures and limit Kenema District's ability to facilitate short- and long-term recovery.

Economic activity in Kenema is primarily driven by agriculture. Reduce income inequality by encouraging programs that support small business opportunities to diversify livelihoods and generate prospects for equitable distribution of property and economic assets in the district

## 2

### Information Access Vulnerability

Limitations in information access can impede a population's ability to receive, understand, and take action. Emergency messages must take into account the unique information access constraints of the district. Emergency messages presented to the population of Kenema must contain clear and simple information to ensure an appropriate response to save lives and reduce losses.

Focus interventions on building literacy standards at the primary level, and on reducing school dropout rates. Ensure that the district has the schools and human resources to support education through the secondary level.

Encourage whole-of-community education to ensure support for education outside of the classroom, including volunteerism, school-to-work programs, and community-based learning projects.

Invest in information technology (internet, television, radio) and associated sustainable energy programs to support multimodal communications and learning environments in the district. Ensuring access to information during normal operations increases the capacity receive, comprehend, and act on critical information and disaster warnings.



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# KENEMA RECOMMENDATIONS

# 1

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## Energy Capacity

Homes, businesses, industry, and government all rely on access to energy resources for continuity of daily activities. Expanding, strengthening, and securing the energy network and increasing the availability and quantity of energy reserves in Kenema will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster.

Though Kenema ranks 4th in the country in overall electricity availability, just 18% of households are connected to the electrical grid. Focus development programs on increasing energy capacity by establishing sustainable power generation within the district and extending the existing transmission and distribution network.

# 2

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## 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.

While Kenema District ranks 4th in overall Communications Capacity, findings indicate that just 65% of households have access to mobile phones. Pursue public-private partnerships to increase availability of affordable mobile communications and an accessible and sustainable power supply.

**Better solutions.  
Fewer disasters.**

# Safer world.

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