

SIERRA LEONE

WESTERN AREA RURAL

NDPBA DISTRICT PROFILE



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CAPITAL: WATERLOO

Area: 544 km²

Western Area Rural District is in the western horn of Sierra Leone, occupying the entire
Freetown Peninsula outside the city boundaries. It borders the country's capital Freetown
to the east and west; Port Loko District to the north; and the Atlantic Ocean to the south and
east. The district capital and largest city is Waterloo which is home to many different ethnic groups,
including a significant population of the Krio and Sherbro people. The Freetown peninsula is the star
attraction of Sierra Leone's tourist industry consisting of three roughly parallel ranges of highlands that are
narrow but extend about 30 km south of Freetown. The hills and mountains in the highlands rise from 200m
to 1000m above the low-lying narrow coastal area with a stretch of beaches along the Peninsula. Rural-urban
fringe activities like mixed cropping and market gardening, quarrying and sand mining on the beaches, animal rearing,
fishing, small-scale manufacturing, tourism, services and other trades can be found within the district.

RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low

Score: 0.409 · Rank: 12/14



Population (2015)

444,270



RESILIENCE (R) - High

Score: 0.629 · Rank: 3/14



Infant Mortality Rate

60



MULTI-HAZARD EXPOSURE (MHE) - Moderate

Score: 0.485 · Rank: 6/14



Illiterate population

33.8%



VULNERABILITY (V) - Very Low

Score: 0.427 · Rank: 12/14



Access to improved water

71.9%



COPING CAPACITY (CC) - Very High

Score: 0.685 · Rank: 1/14



Average life expectancy

44.9 years

^{*}For more information on data and components please visit: https://bit.ly/2LqVoUO



MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 14 DISTRICTS

SCORE: 0.485



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Inland Flood 30.0%

& 82,602



Coastal Flood

0.9%

2,369

Landslide

74.2%



Drought 00/

& 0



Wildfire

19.4%

53,491



VULNERABILITY (V)

RANK: 12 / 14 DISTRICTS ASSESSED

SCORE: 0.427

Vulnerability in Western Area Rural is primarily driven by Gender Inequality and Population Pressures. The bar chart indicates the socioeconomic themes contributing to the district's overall Vulnerability score.



Environmental Stress

Rank: 7/14 Districts Assessed

0.7% 22.29 29.4% -0.045.8% Ecological Area Affected Average Annual Livestock Frosion Change by Minina Forest Loss Potential Density (per sq km)



Vulnerable Health Status

Rank: 5/14 Districts Assessed

44.9 60 542 0.0% 3.0% 318.3 34.9% 3.4% Population with HIV Prevalance Life Expectancy Infant Mortality Maternal Acute **Tuberculosis** Malaria Mortality Ratio (per 100,000 Malnutrition (years) Rate (per 1,000 Disability Incidence Prevalance live births) (Children <5) (per 100,000 (per 100,000 persons) persons) persons)



Clean Water Vulnerability

Rank: 11/14 Districts Assessed

71.9% 59.5% 67.1% 14.6% Households with Households Population Water Source > Improved Water with Improved at High Risk 30 minutes from of Fecal Home Source Sanitation



Information Access Vulnerability

Rank: 13/14 Districts Assessed

33.8% 88.5% 27.8% 25.2% 13.7% 65.8% Illiteracy Rate Primary School Upper Secondary Households with Households with Households with (Age 10+) Attendance Completion Rate Internet Television Internet Ratio



Economic Constraints

Rank: 13/14 Districts Assessed

74.04 3.1% 0.23 6.5%

Economic Population in Income Poorest Wealth Quintile Inequality (GINI)

Quintile C.5%

Child Labor Participation (Age 10-14)



Gender Inequality

Rank: 1/14 Districts Assessed

0.93 11.1% 0.4 0.44 0.83 Female to Male Female Seats in Female to Female to Male Female to Local Council Secondary Male Land Home Ownership' Male Labor Ownership' Participation'

Education* gender parity.

*Values closer to 1 represent greater



Population Pressures

8.5% 37.2% 372.82

Average Annual Average Ne Population Annual Urban Ra Change Population

Change

Net Migration Rate 26.9%
Population that is Food Insecure

Rank: 4/14 Districts Assessed

33.9%Ratio of Youth (15-24) to Adult (15+)



COPING CAPACITY (CC)

RANK: 1 / 14 DISTRICTS ASSESSED

SCORE: 0.685

Western Area Rural exhibits weaker Coping Capacity in the areas of Health Care Capacity and Energy Capacity. The bar chart indicates the socioeconomic themes contributing to the district's overall Coping Capacity score.



Economic Capacity

Rank: 5/14 Districts Assessed

26.5% 91.1% 25.3%

Households with Bank Income per Capita Population in Highest Financial Institutions per Account Wealth Quintile 100k Persons

Governance

Rank: 7/14 Districts Assessed

1.35 79.6%

Conflict Events per 100k Persons Voter Participation



Environmental Capacity

Rank: 1/14 Districts Assessed

30.4% Protected Area



Infrastructure Capacity

Rank: 2/14 Districts Assessed



Health Care Capacity Rank: 7/14 Districts Assessed

4 1.1 3.53 3.05 59.0%

Hopital Beds perPhysicians perNurses per 10,000Average Distance to NearestVaccination10,000 PeoplePeopleHospital (km²)Coverage

Transportation Capacity Rank: 2/14 Districts Assessed

2.34 9.23

Road Density (km per sq. km) Distance to Airport or Seaport (km)



Communications Capacity Rank: 2/14 Districts Assessed

91.6% 15.32

Households with Mobile Phone Cellular Towers per 100k Persons



Energy Capacity Rank: 4/14 Districts Assessed

13.8% 1.18

Households Connected to Fuel Stations per Electric Grid 100k Persons



Emergency Service Capacity

Rank: 2/14 Districts Assessed

5.4 1.58 0.23
Firefighters per 100k Persons Per 100k Persons 100k Persons 100k Persons



RESILIENCE (R)

RANK: 3 / 14 DISTRICTS

SCORE: 0.629

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

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









Gender Inequality

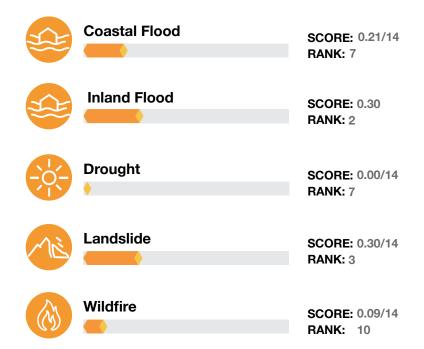
Population Pressures

Health Care Capacity

Energy Capacity



HAZARD-SPECIFIC RISK



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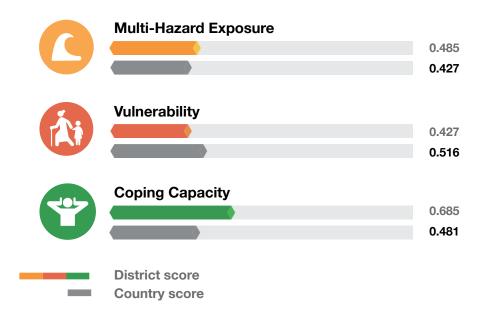
MULTI-HAZARD RISK (MHR)

12 / 14

Rank within districts Score: 0.409

Western Area Rural's score and ranking are due to Moderate Multi-hazard exposure combined with Very Low Vulnerability and Very High Coping Capacity scores.

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



WESTERN AREA RURAL RECOMMENDATIONS



Gender Inequality

Marginalized populations are less likely to have their needs met under pre-disaster conditions, and therefore become even more susceptible to harm during times of disaster. Increase gender-based inclusion in all phases of DM, ensuring the implementation at the district and local levels. Course of action must recognize the role of women in society and support changes to policies and programs to promote gender-equal access.

Focus efforts to support equal labor participation by diversifying economic opportunities for women in the district.

Encourage women to participate in the planning and decision-making process through inclusion in the district disaster management committee and representation in local council.



Population Pressures

Rapid changes in population size and distribution can alter population vulnerability characteristics presenting planning challenges and destabilizing social, economic, and environmental systems. Increased population pressures require disaster managers to realign needs, institutional structures, and available resources to support delivery of basic resources before, during, and after an event.

Western Area Rural saw the largest net migration of any district between 2004 and 2015, with average annual total population growth at 8.5% and urban population growth of 37%.

With rapid population growth and urbanization, closely monitor population changes and implement security measures and development plans to anticipate pressures on district resources and infrastructure that could give way to instability or put undue stress on the environment.

Western Area Rural is highly exposed to landslides and inland flooding, as evidenced by the 2017 Sugarloaf Landslide disaster. Wildfires and coastal flood represent additional hazards of concern. Extreme population pressures compound this exposure by giving rise to informal development. Establish multi-hazard preparedness and response planning at the district level and perform regular updates to plans and SOPs to account for increases in population.

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WESTERN AREA RURAL RECOMMENDATIONS



Health Care Capacity

Robust access to skilled caregivers and the dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster associated health and medical impacts may be addressed.

Findings show that Western Area Rural has just 4 inpatient hospital beds per 10,000 persons, with low rate of vaccine coverage, scoring 12th of 14 districts in MoHS' 2017 assessment of overall health service readiness. Focus on increasing inpatient hospital infrastructure and services to ensure service readiness for an increasing population.

Promote community-level vaccination campaigns to improve coverage and reduce of burden of preventable diseases.



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 Western Area Rural will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster.

Just 14% of homes in Western Area Rural are connected to the electrical grid, compared to 74% in neighboring Western Area Urban. Focus development programs on increasing and extending the existing transmission and distribution network from the urban area and constructing sustainable power sources in the district.



Better solutions. Fewer disasters.

Safer World.

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