

NDPBA SURINAME DISTRICT RISK PROFILES

SUBNATIONAL ASSESSMENT RESULTS



SURINAME BROKOPONDO

NDPBA SUBNATIONAL PROFILE



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SURINAME BROKOPONDO

CAPITAL: BROKOPONDO

Area: 7,364 km2



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) Very High Score: 0.449 • Rank: 2/10



Population (2012 Census) 15,909



RESILIENCE (R) Score: 0.360 • Rank: 9/10



Households with Unsafe **Sanitation Practices** 92.7%



MULTI-HAZARD EXPOSURE (MHE) Very Low Score: 0.069 • Rank: 9/10



VULNERABILITY (V) Very High Score: 0.603 • Rank: 2/10



COPING CAPACITY (CC) Very Low Score: 0.324 • Rank: 9/10



Population with Electricity Access 34.8%



Child Labor 12.0%



Adolescent Birth Rate (to women under age 21) 20.9%

Very Low

2





Raw MHE 0.034

Relative MHE 0.105

RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.069

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding



Buildings Exposed: **9%** Critical Infrastructure Exposed: **19%**



Drought

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



Earthquake



Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



Extreme Heat 93%

å 14,577

Buildings Exposed: **85%** Critical Infrastructure Exposed: **66%**





Buildings Exposed: **26%** Critical Infrastructure Exposed: **31%**

淤

Mosquito-borne Disease 99% 15.603

Buildings Exposed: **99%** Critical Infrastructure Exposed: **100%**

Riverine Flooding

5070 2 5,701

Buildings Exposed: **21%** Critical Infrastructure Exposed: **24%**



Sea Level Rise

1,156
 Buildings Exposed: 3%
 Critical Infrastructure Exposed: 0%

NOTE: Population exposure values for Suriname are estimated using PDC's All-hazard Impact Model (AIM) model. Values may differ from Census population.



RANK: 9 / 10 DISTRICTS SCORE: 0.069

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Tsunami



Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%** Wildfire 1% 209

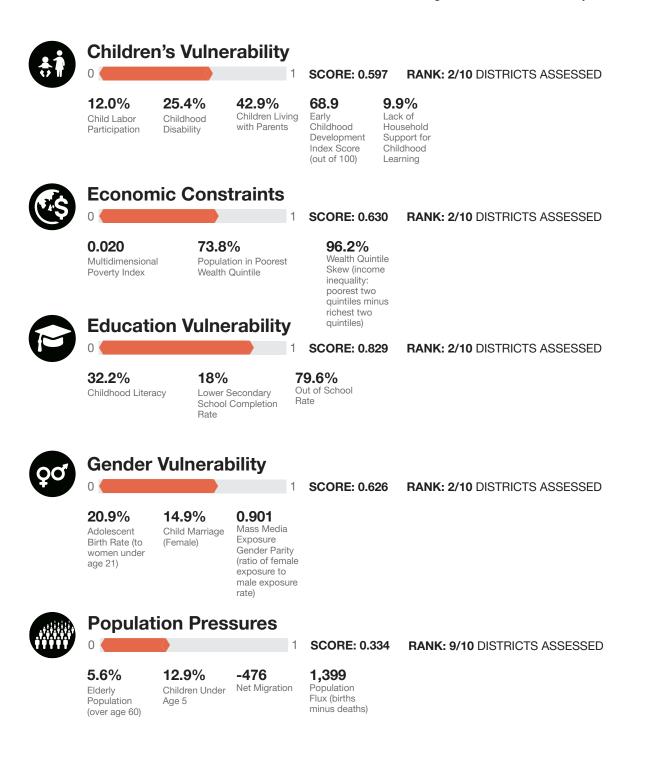
> Buildings Exposed: **1%** Critical Infrastructure Exposed: **0%**

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RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.603

Vulnerability in Brokopondo is primarily driven by Education Vulnerability and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





COPING CAPACITY (CC)

RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.324

Brokopondo exhibits weaker Coping Capacity in the areas of Public Health Capacity and Energy and Technology Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.

SCORE: 0.096

0.0

persons



Public Health Capacity

78.9% Households with E. Coli Contaminated Drinking Water 72.8% 92.7% Measles Vaccination

Households with Unsafe Sanitation Practices

1

0.0 Physicians Hospital per 10,000 Bed Density per 10,000 persons

0.0 Clinics per 10.000 persons

RANK: 9/10 DISTRICTS ASSESSED

RANK: 9/10 DISTRICTS ASSESSED

RANK: 9/10 DISTRICTS ASSESSED



Standard of Living

Rate

84.4% Households Using Clean Fuels for Cooking and Lighting

83.6% 45.3% **Rural Access** Households Index with Finished (population Exterior Walls within 2km of all-season road)

52.4% Population Share Toilet Facilities

Energy and Technology Capacity

10.1% Households with Computer Access

n

63.2

Average

Distance to

Airport (km)

34.8% Population with Electricity Access

that Does Not

SCORE: 0.228

SCORE: 0.422



Infrastructure Capacity

EOC (km)

1 SCORE: 0.549

104.0 Average Distance to 89.9 Average Distance to Fire Station (km)

89.5 Average Distance to Hospital (km) 25.8 Average Distance to Police Station

(km)

79.2 Average Distance to Port (km)

RANK: 9/10 DISTRICTS ASSESSED

32.3 Average Distance to School (km) 6.1 Average Distance to Telecommunications (km)







RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.360

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

KEY FACTORS INFLUENCING RESILIENCE:



Education Vulnerability

Limited access to education and low literacy rates can hinder a population's ability to understand and act upon hazard alert and warning messages. Emergency messages disseminated to the population must contain clear and simple information that fosters understanding and promotes life-saving action. Low school attendance rates can be further exacerbated due to the disruption caused by a natural disaster and the additional demands placed on households during the recovery process. Efforts to remove impediments to school attendance such as economic constraints, inadequate facilities, geographic isolation, and marginalization will reduce vulnerability and increase opportunities for the population.



Economic Constraints

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



Public Health Capacity

Access to improved water and sanitation, and vaccination against childhood diseases improves health outcomes and frees up resources to decrease further susceptibility to impacts. In addition, access to skilled caregivers and dedicated facilities for the treatment of injury and disease 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.



Energy and Technology 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 will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster. Furthermore, access to communications infrastructure and technology makes it easier for people to communicate reliably, increasing accessibility to alert and warning information.

0	HAZ	ARD-SPECIFIC	RISK (HSR)
		Coastal Flooding	RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.174
		Drought ♦	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.000
	-Mp-	Earthquake ♦	RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.000
		Extreme Heat	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.501
			RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.800
	×	Mosquito-borne Disease	RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.664
		Riverine Flooding	RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.166
		Sea Level Rise	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.179
		Tsunami •	RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.000
		Wildfire	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.064

8



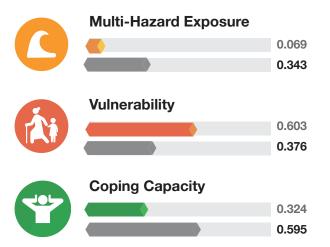
MULTI-HAZARD RISK (MHR)

2 / 10 RANK AMONG DISTRICTS Score: 0.449

Brokopondo's score and ranking are due to Very Low Multi-Hazard Exposure combined with Very High Vulnerability and Very Low Coping Capacity scores.

 Multi-Hazard Risk component scores
 DISTRICTS SCORE

 compared to overall average country scores:
 COUNTRY SCORE





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SURINAME COMMENJINE

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SURINAME COMMEWIJNE

CAPITAL: NIEUW-AMSTERDAM

Area: 2,353 km2



RISK AND VULNERABILITY COMPONENT SCORE

RESILIENCE (R)

High



MULTI-HAZARD RISK (MHR)

Very Low Score: 0.223 • Rank: 10/10

Score: 0.803 • Rank: 3/10



Population (2012 Census) 31,420



Households with Unsafe Sanitation Practices **64.2%**



Population with Electricity Access 72.3%



Child Labor 1.9%



Adolescent Birth Rate (to women under age 21) **11.1%**



MULTI-HAZARD EXPOSURE (MHE) Low Score: 0.276 • Rank: 7/10



VULNERABILITY (V) Very Low Score: 0.119 • Rank: 10/10



COPING CAPACITY (CC) High Score: 0.725 • Rank: 4/10

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RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.276

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

& 30,824

Buildings Exposed: **91%** Critical Infrastructure Exposed: **83%**



Drought

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



Earthquake

12,662

Buildings Exposed: **44%** Critical Infrastructure Exposed: **28%**



Extreme Heat 100%

34,688

Buildings Exposed: **100%** Critical Infrastructure Exposed: **100%**





Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**

談



34,331
 Buildings Exposed: 99%
 Critical Infrastructure Exposed: 100%



Riverine Flooding

81% 28,127

Buildings Exposed: **84%** Critical Infrastructure Exposed: **58%**



Sea Level Rise

2% 4 585

Buildings Exposed: **2%** Critical Infrastructure Exposed: **7%**

NOTE: Population exposure values for Suriname are estimated using PDC's All-hazard Impact Model (AIM) model. Values may differ from Census population.



MHE

Raw MHE 0.137

Relative MHE 0.415

MULTI-HAZARD EXPOSURE (MHE)

RANK: 7 / 10 DISTRICTS SCORE: 0.276

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Tsunami



Buildings Exposed: **4%** Critical Infrastructure Exposed: **1%** Wildfire

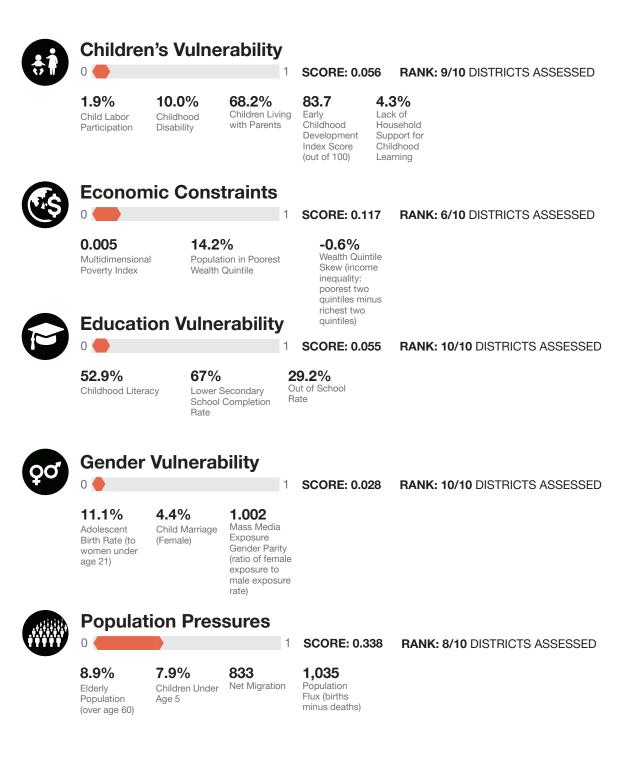
Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**

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RANK: 10 / 10 DISTRICTS ASSESSED SCORE: 0.119

Vulnerability in Commewijne is primarily driven by Population Pressures and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





COPING CAPACITY (CC)

RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.725

Commewijne exhibits weaker Coping Capacity in the areas of Public Health Capacity and Energy and Technology Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Public Health Capacity

65.7% Households with E. Coli Contaminated Drinking Water 81.9% 64.2% Measles Vaccination

Households with Unsafe Sanitation Practices

1

1

0.0 Physicians Hospital per 10,000 Bed Density per 10,000 persons

3.2 Clinics per 10.000 persons



Standard of Living

Rate

94.4% Households Using Clean Fuels for Cooking and Lighting

90.5% 70.0% **Rural Access** Households Index with Finished (population Exterior Walls within 2km of all-season road)

95.2% Population that Does Not Share Toilet Facilities



Energy and Technology Capacity

34.0% Households with Computer Access

n

Airport (km)

72.3% Population with Electricity Access

SCORE: 0.688

RANK: 4/10 DISTRICTS ASSESSED

RANK: 3/10 DISTRICTS ASSESSED



Infrastructure Capacity

16.0 13.9 Average Average Distance to

Distance to EOC (km)

5.7 Average Distance to Fire Station (km)

12.6 Average Distance to Hospital (km)

SCORE: 0.946

6.4 Average Distance to Police Station (km)

13.0 Average Distance to Port (km)

7.3 Average Distance to School (km)

0.8 Average Distance to Telecommunications (km)





SCORE: 0.820

SCORE: 0.446

5.5

persons

RANK: 5/10 DISTRICTS ASSESSED

RANK: 5/10 DISTRICTS ASSESSED



RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.803

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

KEY FACTORS INFLUENCING RESILIENCE:



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.



Economic Constraints

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



Public Health Capacity

Access to improved water and sanitation, and vaccination against childhood diseases improves health outcomes and frees up resources to decrease further susceptibility to impacts. In addition, access to skilled caregivers and dedicated facilities for the treatment of injury and disease 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.



Energy and Technology 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 will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster. Furthermore, access to communications infrastructure and technology makes it easier for people to communicate reliably, increasing accessibility to alert and warning information.

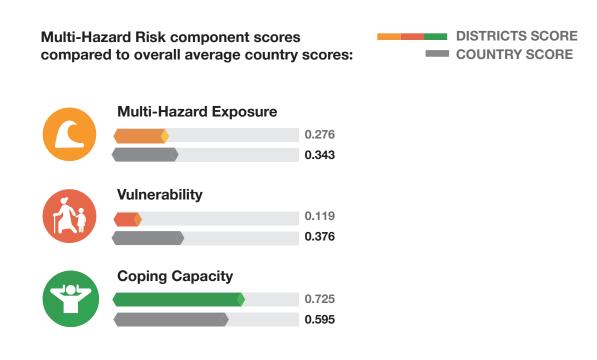
HAZ	ARD-SPECIFIC	RISK (HSR)
	Coastal Flooding	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.356
	Drought ♦	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.000
-Mp-	Earthquake	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.229
	Extreme Heat	RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.376
MÈ	Landslide Mosquito-borne	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.000
淡	Disease	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.372
	Riverine Flooding	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.325
	Sea Level Rise	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.130
	Tsunami	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.106
	Wildfire •	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.000



MULTI-HAZARD RISK (MHR)

10 / 10 RANK AMONG DISTRICTS Score: 0.223

Commewijne's score and ranking are due to Low Multi-Hazard Exposure combined with Very Low Vulnerability and High Coping Capacity scores.





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SURINAME CORONIE

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CAPITAL: TOTNESS Area: 3,902 km2



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) Moderate

Score: 0.360 • Rank: 5/10



Population (2012 Census) 3,391



High

Moderate

RESILIENCE (R) Moderate Score: 0.633 • Rank: 6/10

Score: 0.345 • Rank: 4/10

VULNERABILITY (V)

MULTI-HAZARD EXPOSURE (MHE)



Households with Unsafe Sanitation Practices 81.1%



Population with Electricity Access 34.2%



Child Labor 27.8%



Adolescent Birth Rate (to women under age 21) **12.5%**



COPING CAPACITY (CC) Low Score: 0.590 • Rank: 7/10

Score: 0.325 • Rank: 5/10



RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.345

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

3.427

Buildings Exposed: **95%** Critical Infrastructure Exposed: **99%**



Drought 99% 3.668

Buildings Exposed: **100%** Critical Infrastructure Exposed: **0%**



Earthquake

3,713

Buildings Exposed: **100%** Critical Infrastructure Exposed: **72%**



Extreme Heat

3,713

Buildings Exposed: **100%** Critical Infrastructure Exposed: **100%**



Landslide 0% a 0

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**

淤

Mosquito-borne Disease 91%



Buildings Exposed: **100%** Critical Infrastructure Exposed: **No data**

Riverine Flooding

33% 4 1,214

Buildings Exposed: **33%** Critical Infrastructure Exposed: **25%**



Sea Level Rise

4% & 146 Buildings Exposed: **10%**

Critical Infrastructure Exposed: 6%

NOTE: Population exposure values for Suriname are estimated using PDC's All-hazard Impact Model (AIM) model. Values may differ from Census population.



Raw MHE 0.000

Relative MHE 0.689

MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 10 DISTRICTS SCORE: 0.345

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Tsunami



Buildings Exposed: **3%** Critical Infrastructure Exposed: **<1%**

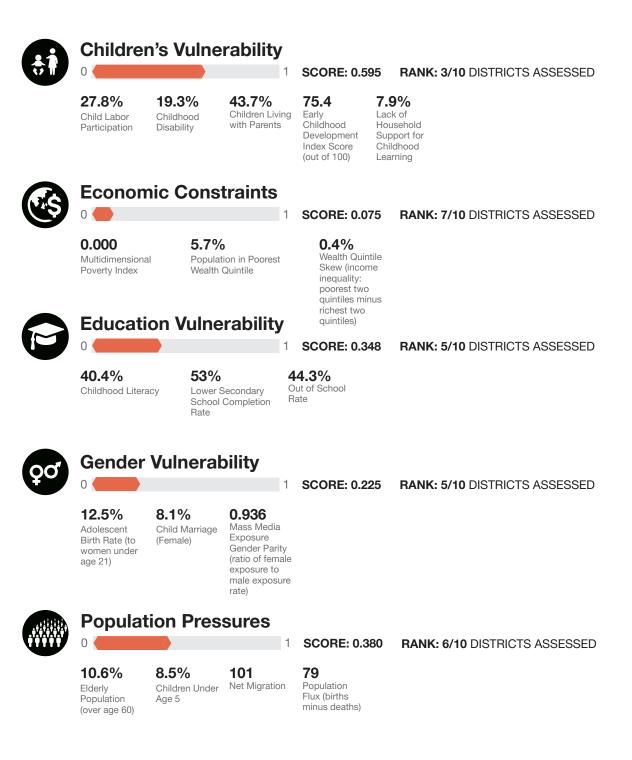


Buildings Exposed: **85%** Critical Infrastructure Exposed: **58%**



RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.325

Vulnerability in Coronie is primarily driven by Children's Vulnerability and Population Pressures. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





COPING CAPACITY (CC)

RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.590

Coronie exhibits weaker Coping Capacity in the areas of Energy and Technology Capacity and Public Health Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.

SCORE: 0.440

12.7

persons



Public Health Capacity

76.8% Households with E. Coli Contaminated Drinking Water 76.9% Measles Vaccination

81.1% Households with Unsafe Sanitation Practices

1

12.7 Physicians Hospital per 10,000 Bed Density per 10,000 persons

3.2 Clinics per 10.000 persons

RANK: 6/10 DISTRICTS ASSESSED



Standard of Living

Rate

98.1% Households Using Clean Fuels for Cooking and Lighting

98.5% 51.7% **Rural Access** Households Index with Finished (population Exterior Walls within 2km of all-season road)

96.7% Population that Does Not Share Toilet Facilities

SCORE: 0.877

Energy and Technology Capacity

22.4% Households with Computer Access

34.2% Population with Electricity Access

SCORE: 0.362

RANK: 7/10 DISTRICTS ASSESSED

RANK: 3/10 DISTRICTS ASSESSED



Infrastructure Capacity

SCORE: 0.681

77.8 Average Distance to Airport (km)

n

128.7 Average Distance to EOC (km)

9.5 Average Distance to Fire Station (km)

1

72.5 Average Distance to Hospital (km) 8.1

(km)

Average Distance to Police Station

41.6 Average Distance to Port (km)

RANK: 7/10 DISTRICTS ASSESSED

41.5 Average Distance to School (km)

1.7 Average Distance to Telecommunications (km)

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RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.633

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

KEY FACTORS INFLUENCING RESILIENCE:



Children's Vulnerability

Children who are developmentally disadvantaged or have a disability are more susceptible to harm during times of disaster. Furthermore, children engaged in child labor, where safety concerns may be an issue, and in living arrangements lacking adult supervision, are more likely to suffer negative consequences as a result of an emergency situation. Efforts to support the cognitive, physical, social and emotional development of young children will reduce their vulnerability and have positive bearing on their future health and well-being.



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.



Energy and Technology 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 will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster. Furthermore, access to communications infrastructure and technology makes it easier for people to communicate reliably, increasing accessibility to alert and warning information.



Public Health Capacity

Access to improved water and sanitation, and vaccination against childhood diseases improves health outcomes and frees up resources to decrease further susceptibility to impacts. In addition, access to skilled caregivers and dedicated facilities for the treatment of injury and disease 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.

HAZ	ARD-SPECIFIC	RISK (HSR)
	Coastal Flooding	RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.487
	Drought	RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.373
	Earthquake	RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.477
	Extreme Heat	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.495
	Landslide	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.000
×	Mosquito-borne Disease	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.389
	Riverine Flooding	RANK: 10 / 10 DISTRICTS ASSESSED SCORE: 0.144
	Sea Level Rise	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.192
	Tsunami	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.066
	Wildfire	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.443

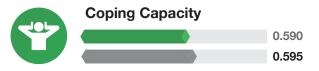


MULTI-HAZARD RISK (MHR)

5 / 10 RANK AMONG DISTRICTS Score: 0.360

Coronie's score and ranking are due to High Multi-Hazard Exposure combined with Moderate Vulnerability and Low Coping Capacity scores.

Multi-Hazard Risk component scores compared to overall average country scores: Multi-Hazard Exposure 0.345 0.343 Vulnerability 0.325 0.376





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SURINAME MAROWIJNE

NDPBA SUBNATIONAL PROFILE



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CAPITAL: ALBINA Area: 4,627 km2



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

High Score: 0.425 • Rank: 3/10



Population (2012 Census) 18,294



RESILIENCE (R) Low Score: 0.503 • Rank: 8/10



MULTI-HAZARD EXPOSURE (MHE) Moderate Score: 0.281 • Rank: 6/10



VULNERABILITY (V) High Score: 0.549 • Rank: 3/10



COPING CAPACITY (CC) Low Score: 0.555 • Rank: 8/10



Households with Unsafe Sanitation Practices **76.4%**



Population with Electricity Access 43.9%



Child Labor 4.8%



Adolescent Birth Rate (to women under age 21) **13.2%**

MHE 0.281

0.505

Raw MHE 0.057

Relative MHE



RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.281

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

10,583

Buildings Exposed: **60%** Critical Infrastructure Exposed: **65%**



Drought

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



Earthquake

2 0

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



Extreme Heat

20,191
 Buildings Exposed: 100%
 Critical Infrastructure Exposed: 100%



Landslide **1% 212**

Buildings Exposed: **1%** Critical Infrastructure Exposed: **2%**

淤

Mosquito-borne Disease 98% 4 19.825

Buildings Exposed: **99%** Critical Infrastructure Exposed: **100%**



Riverine Flooding

4 14,936

Buildings Exposed: **77%** Critical Infrastructure Exposed: **55%**



Sea Level Rise

3,899 Buildings Exposed: 26%
 Critical Infrastructure Exposed: 33%

NOTE: Population exposure values for Suriname are estimated using PDC's All-hazard Impact Model (AIM) model. Values may differ from Census population.



RANK: 6 / 10 DISTRICTS SCORE: 0.281

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Buildings Exposed: **5%** Critical Infrastructure Exposed: **17%**

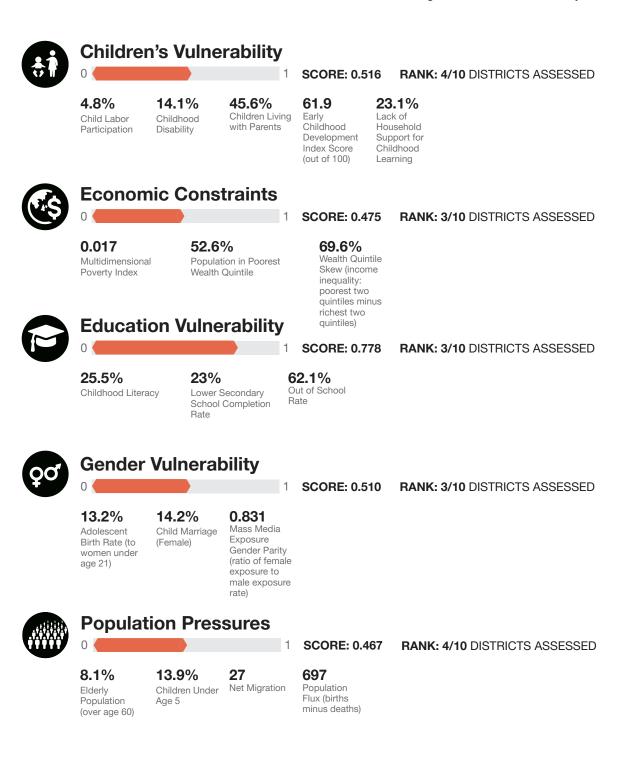


Buildings Exposed: **81%** Critical Infrastructure Exposed: **80%**



RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.549

Vulnerability in Marowijne is primarily driven by Education Vulnerability and Children's Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





COPING CAPACITY (CC)

RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.555

Marowijne exhibits weaker Coping Capacity in the areas of Energy and Technology Capacity and Infrastructure Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Public Health Capacity

58.4% Households with E. Coli Contaminated Drinking Water 91.2% Measles Vaccination

76.4% Households with Unsafe Sanitation Practices

1

36.4 Physicians Hospital per 10,000 Bed Density per 10,000 persons

6.6 Clinics per 10.000 persons



Standard of Living

Rate

93.4% Households Using Clean Fuels for Cooking and Lighting

88.0% 56.3% **Rural Access** Households Index with Finished (population Exterior Walls within 2km of all-season road)

78.6% Population that Does Not Share Toilet Facilities

Energy and Technology Capacity

13.9% Households with Computer Access

43.9% Population with Electricity Access

SCORE: 0.676

4.4

persons

SCORE: 0.672

RANK: 7/10 DISTRICTS ASSESSED

RANK: 1/10 DISTRICTS ASSESSED



SCORE: 0.317

RANK: 8/10 DISTRICTS ASSESSED



Infrastructure Capacity

SCORE: 0.557

101.7 Average Distance to Airport (km)

n

102.8 Average Distance to EOC (km)

26.5 Average Distance to Fire Station (km)

1

25.9 Average Distance to Hospital (km) 56.1 Average Distance to Police Station

(km)

20.3 Average Distance to Port (km)

RANK: 8/10 DISTRICTS ASSESSED

91.0 Average Distance to School (km) 2.6 Average Distance to Telecommunications (km)



RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.503

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

KEY FACTORS INFLUENCING RESILIENCE:



Education Vulnerability

Limited access to education and low literacy rates can hinder a population's ability to understand and act upon hazard alert and warning messages. Emergency messages disseminated to the population must contain clear and simple information that fosters understanding and promotes life-saving action. Low school attendance rates can be further exacerbated due to the disruption caused by a natural disaster and the additional demands placed on households during the recovery process. Efforts to remove impediments to school attendance such as economic constraints, inadequate facilities, geographic isolation, and marginalization will reduce vulnerability and increase opportunities for the population.



Children's Vulnerability

Children who are developmentally disadvantaged or have a disability are more susceptible to harm during times of disaster. Furthermore, children engaged in child labor, where safety concerns may be an issue, and in living arrangements lacking adult supervision, are more likely to suffer negative consequences as a result of an emergency situation. Efforts to support the cognitive, physical, social and emotional development of young children will reduce their vulnerability and have positive bearing on their future health and well-being.



Energy and Technology 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 will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster. Furthermore, access to communications infrastructure and technology makes it easier for people to communicate reliably, increasing accessibility to alert and warning information.



Infrastructure Capacity

The density, quality, and resilience of infrastructure influences how local populations access critical lifelines including transportation, communications, emergency services, and skilled health care. Establishing and maintaining a robust network of systems and resources helps to safeguard communities by providing more options for bringing outside resources into an impacted area, improving the ability of disaster management stakeholders to effectively reach vulnerable populations.

0	HAZ	ARD-SPECIFIC	RISK (HSR)
		Coastal Flooding	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.444
		Drought ♦	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.000
		Earthquake ♦	RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.000
		Extreme Heat	RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.585
			RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.148
	×	Mosquito-borne Disease	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.577
		Riverine Flooding	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.474
		Sea Level Rise	RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.521
		Tsunami	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.275
	Ø	Wildfire	RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.606



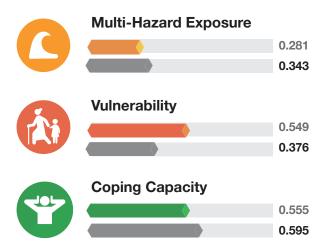
MULTI-HAZARD RISK (MHR)

3 / 10 RANK AMONG DISTRICTS Score: 0.425

Marowijne's score and ranking are due to Moderate Multi-Hazard Exposure combined with High Vulnerability and Low Coping Capacity scores.

 Multi-Hazard Risk component scores
 DISTRICTS SCORE

 compared to overall average country scores:
 COUNTRY SCORE





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SURINAME

NDPBA SUBNATIONAL PROFILE



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SURINAME

CAPITAL: NIEUW-NICKERIE

Area: 5,353 km2



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) Low

Score: 0.327 • Rank: 7/10



Population (2012 Census) 34,233

Households with Unsafe

Sanitation Practices

55.1%



RESILIENCE (R) Very High Score: 0.815 • Rank: 2/10



MULTI-HAZARD EXPOSURE (MHE) High Score: 0.609 • Rank: 3/10



VULNERABILITY (V) Very Low Score: 0.132 • Rank: 9/10



COPING CAPACITY (CC) High Score: 0.761 • Rank: 3/10



Population with Electricity Access 74.3%



Child Labor 3.9%



Adolescent Birth Rate (to women under age 21) **13.1%**

MHE 0.609

1.000

Raw MHE 0.218

Relative MHE



RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.609

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

25,940

Buildings Exposed: **100%** Critical Infrastructure Exposed: **100%**



Drought 8%

Buildings Exposed: **14%** Critical Infrastructure Exposed: **3%**



Landslide 0% a 0

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



Mosquito-borne Disease **100% 25,890**

Riverine Flooding

Buildings Exposed: 98%

98%

25,550

Buildings Exposed: **100%** Critical Infrastructure Exposed: **100%**

	M-
--	----

Earthquake

25,960

Buildings Exposed: **100%** Critical Infrastructure Exposed: **82%**



Extreme Heat

25,960

Buildings Exposed: **100%** Critical Infrastructure Exposed: **100%**



Sea Level Rise

14,435Buildings Exposed: **56%**Critical Infrastructure Exposed: **21%**

Critical Infrastructure Exposed: 79%

NOTE: Population exposure values for Suriname are estimated using PDC's All-hazard Impact Model (AIM) model. Values may differ from Census population.

MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 10 DISTRICTS SCORE: 0.609

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):





Buildings Exposed: 49% Critical Infrastructure Exposed: 44%



Buildings Exposed: 100% Critical Infrastructure Exposed: 90%



RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.132

BANK: 10/10 DISTRICTS ASSESSED

Vulnerability in Nickerie is primarily driven by Population Pressures and Education Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.

SCORE: 0.027



Children's Vulnerability

3.9% Child Labor Participation

0

0

7.1% Childhood Disability

66.5% Children Living with Parents

86.8 Early Childhood Development Index Score

1

3.4% Lack of Household Support for Childhood (out of 100) Learning



Economic Constraints

0.002 Multidimensional Poverty Index

10.6% Population in Poorest Wealth Quintile

-10.5% inequality: poorest two richest two

SCORE: 0.090

SCORE: 0.071

RANK: 8/10 DISTRICTS ASSESSED

RANK: 9/10 DISTRICTS ASSESSED

RANK: 7/10 DISTRICTS ASSESSED

Wealth Quintile Skew (income quintiles minus quintiles)

SCORE: 0.105 RANK: 9/10 DISTRICTS ASSESSED

0 56.7%

50% Lower Secondary Childhood Literacy School Completion Rate

Education Vulnerability

26.1% Out of School Rate

1

1



Gender Vulnerability

4.9%

(Female)

Child Marriage

13.1% Adolescent Birth Rate (to women under age 21)

0.997 Mass Media Exposure Gender Parity (ratio of female exposure to male exposure rate)



Population Pressures

11.0% Elderly Population (over age 60)

Net Migration Children Under Aae 5

652 Population Flux (births

7.4% -352

1

SCORE: 0.367



COPING CAPACITY (CC)

RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.761

Nickerie exhibits weaker Coping Capacity in the areas of Public Health Capacity and Energy and Technology Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.

SCORE: 0.638

4.7

persons



Public Health Capacity

63.0% Households with E. Coli Contaminated Drinking Water 99.6% Measles Vaccination

55.1% Households with Unsafe Sanitation Practices

1

39.7 Physicians Hospital per 10,000 Bed Density per 10,000 persons

2.0 Clinics per 10.000 persons

RANK: 2/10 DISTRICTS ASSESSED

RANK: 4/10 DISTRICTS ASSESSED



Ω

Standard of Living

Rate

92.5% Households Using Clean Fuels for Cooking and Lighting

89.6% 80.1% **Rural Access** Households Index with Finished (population Exterior Walls within 2km of all-season road)

96.6% Population that Does Not Share Toilet Facilities

SCORE: 0.835



Energy and Technology Capacity

36.6% Households with Computer Access

74.3% Population with Electricity Access

SCORE: 0.727

RANK: 3/10 DISTRICTS ASSESSED

RANK: 5/10 DISTRICTS ASSESSED



Infrastructure Capacity

198.4

Average Distance to Airport (km)

n

11.5

Average Distance to EOC (km)

8.2 Average Distance to Fire Station (km)

8.3 Average Distance to Hospital (km)

SCORE: 0.843

8.1 Average Distance to Police Station

(km)

5.8 Average Distance to Port (km)

2.9 Average Distance to School (km) 0.7 Average Distance to Telecommunications (km)



RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.815

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

KEY FACTORS INFLUENCING RESILIENCE:



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.



Education Vulnerability

Limited access to education and low literacy rates can hinder a population's ability to understand and act upon hazard alert and warning messages. Emergency messages disseminated to the population must contain clear and simple information that fosters understanding and promotes life-saving action. Low school attendance rates can be further exacerbated due to the disruption caused by a natural disaster and the additional demands placed on households during the recovery process. Efforts to remove impediments to school attendance such as economic constraints, inadequate facilities, geographic isolation, and marginalization will reduce vulnerability and increase opportunities for the population.



Public Health Capacity

Access to improved water and sanitation, and vaccination against childhood diseases improves health outcomes and frees up resources to decrease further susceptibility to impacts. In addition, access to skilled caregivers and dedicated facilities for the treatment of injury and disease 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.



Energy and Technology 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 will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster. Furthermore, access to communications infrastructure and technology makes it easier for people to communicate reliably, increasing accessibility to alert and warning information.

HAZ	ARD-SPECIFIC	RISK (HSR)
	Coastal Flooding	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.371
	Drought	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.249
-Mp	Earthquake	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.361
	Extreme Heat	RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.363
	Landslide	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.000
×	Mosquito-borne Disease	RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.362
	Riverine Flooding	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.368
	Sea Level Rise	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.403
	Tsunami	RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.427
	Wildfire	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.431



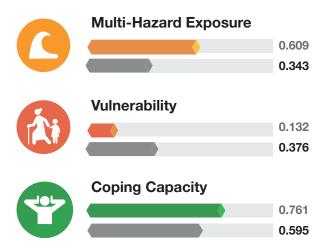
MULTI-HAZARD RISK (MHR)

7 / 10 RANK AMONG DISTRICTS Score: 0.327

Nickerie's score and ranking are due to High Multi-Hazard Exposure combined with Very Low Vulnerability and High Coping Capacity scores.

 Multi-Hazard Risk component scores
 DISTRICTS SCORE

 compared to overall average country scores:
 COUNTRY SCORE





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SURINAME

CAPITAL: ONVERWACHT Area: 5,393 km2



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Low Score: 0.324 • Rank: 8/10



Population (2012 Census) 24,700

Households with Unsafe

Sanitation Practices

78.2%



RESILIENCE (R) Low Score: 0.582 • Rank: 7/10



MULTI-HAZARD EXPOSURE (MHE) Low Score: 0.136 • Rank: 8/10



VULNERABILITY (V) High Score: 0.455 • Rank: 4/10



COPING CAPACITY (CC) Moderate Score: 0.618 • Rank: 6/10



Population with Electricity Access 58.8%



Child Labor 3.9%



Adolescent Birth Rate (to women under age 21) **16.3%**



MHE 0.136

> Raw MHE 0.074

Relative MHE 0.197

RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.136

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

å 13,939

Buildings Exposed: **43%** Critical Infrastructure Exposed: **45%**



Drought

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



Earthquake

a 3,944

Buildings Exposed: **16%** Critical Infrastructure Exposed: **7%**



Extreme Heat

29,167

Buildings Exposed: **100%** Critical Infrastructure Exposed: **100%**





Buildings Exposed: **<1%** Critical Infrastructure Exposed: **1%**



Mosquito-borne Disease

29,167

Buildings Exposed: **100%** Critical Infrastructure Exposed: **100%**

£

Riverine Flooding

52% ± 15,153

Buildings Exposed: **46%** Critical Infrastructure Exposed: **19%**



Sea Level Rise

1,241
 Buildings Exposed: 1%
 Critical Infrastructure Exposed: 1%

NOTE: Population exposure values for Suriname are estimated using PDC's All-hazard Impact Model (AIM) model. Values may differ from Census population.



RANK: 8 / 10 DISTRICTS SCORE: 0.136

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



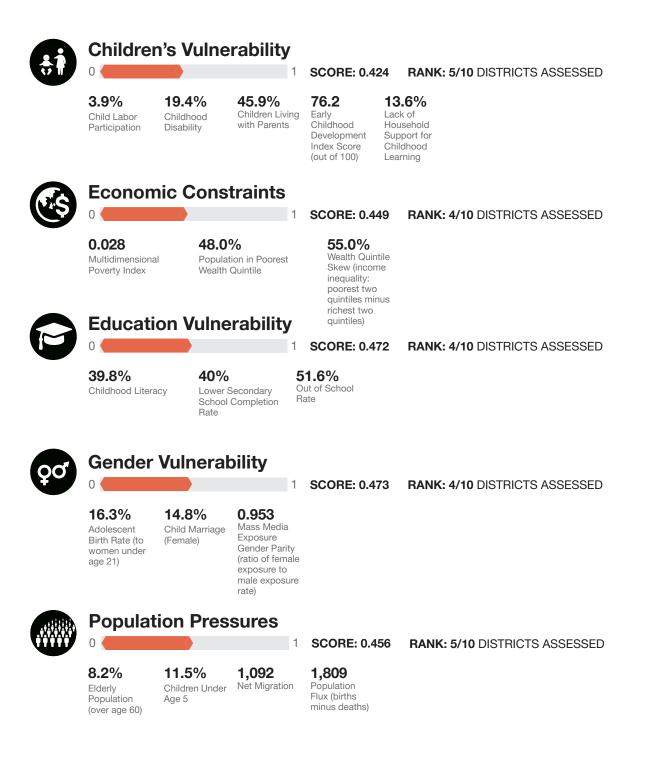
Buildings Exposed: **<1%** Critical Infrastructure Exposed: **0%** Wildfire 2% ▲ 539

> Buildings Exposed: **<1%** Critical Infrastructure Exposed: **1%**



RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.455

Vulnerability in Para is primarily driven by Gender Vulnerability and Education Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





COPING CAPACITY (CC)

RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.618

Para exhibits weaker Coping Capacity in the areas of Public Health Capacity and Energy and Technology Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.

SCORE: 0.380

5.0

persons



Public Health Capacity

71.3% Households with E. Coli Contaminated Drinking Water 81.1% 78.2% Measles Vaccination

Households with Unsafe Sanitation Practices

1

0.0 Physicians Hospital per 10,000 Bed Density per 10,000 persons

3.8 Clinics per 10.000 persons

RANK: 8/10 DISTRICTS ASSESSED

RANK: 8/10 DISTRICTS ASSESSED



Ω

Standard of Living

Rate

87.9% Households Using Clean Fuels for Cooking and Lighting

86.4% 65.9% **Rural Access** Households Index with Finished (population Exterior Walls within 2km of all-season road)

82.3% Population that Does Not Share Toilet Facilities

SCORE: 0.669



Energy and Technology Capacity

25.7% Households with Computer Access

58.8% Population with Electricity Access

SCORE: 0.526

RANK: 6/10 DISTRICTS ASSESSED

RANK: 4/10 DISTRICTS ASSESSED



Infrastructure Capacity

SCORE: 0.897

17.1 Average Distance to Airport (km)

n

31.8 Average Distance to EOC (km)

17.8 Average Distance to Fire Station (km)

18.5 Average Distance to Hospital (km) 8.8 Average Distance to Police Station (km)

17.3 Average Distance to Port (km)

10.1 Average Distance to School (km) 2.3 Average Distance to Telecommunications (km)



RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.582

Para's score and ranking are due to High Vulnerability combined with Moderate Coping Capacity scores.

KEY FACTORS INFLUENCING RESILIENCE:



Gender Vulnerability

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. Foster gender-based inclusion and courses of action that recognize the role of women in society and support changes to policies and programs that promote gender-equal access to education, vocational training, health care, and economic participation.



Education Vulnerability

Limited access to education and low literacy rates can hinder a population's ability to understand and act upon hazard alert and warning messages. Emergency messages disseminated to the population must contain clear and simple information that fosters understanding and promotes life-saving action. Low school attendance rates can be further exacerbated due to the disruption caused by a natural disaster and the additional demands placed on households during the recovery process. Efforts to remove impediments to school attendance such as economic constraints, inadequate facilities, geographic isolation, and marginalization will reduce vulnerability and increase opportunities for the population.



Public Health Capacity

Access to improved water and sanitation, and vaccination against childhood diseases improves health outcomes and frees up resources to decrease further susceptibility to impacts. In addition, access to skilled caregivers and dedicated facilities for the treatment of injury and disease 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.



Energy and Technology 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 will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster. Furthermore, access to communications infrastructure and technology makes it easier for people to communicate reliably, increasing accessibility to alert and warning information.

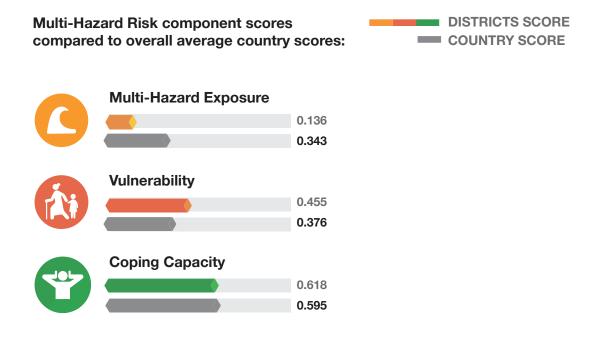
HAZ	ARD-SPECIFIC	RISK (HSR)
	Coastal Flooding	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.346
	Drought ♦	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.000
-Mp-	Earthquake	RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.187
	Extreme Heat	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.544
	Landslide	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.096
×	Mosquito-borne Disease	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.544
	Riverine Flooding	RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.235
	Sea Level Rise	RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.127
	Tsunami 🔶	RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.025
	Wildfire	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.069



MULTI-HAZARD RISK (MHR)

8 / 10 RANK AMONG DISTRICTS Score: 0.324

Para's score and ranking are due to Low Multi-Hazard Exposure combined with High Vulnerability and Moderate Coping Capacity scores.





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SURINAME PARAMARIBO

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SURINAME PARAMARIBO

CAPITAL: PARAMARIBO Area: 182 km2



RISK AND VULNERABILITY COMPONENT SCORE

Very High

Low



MULTI-HAZARD RISK (MHR) High Score: 0.362 • Rank: 4/10



Population (2012 Census) 240,924



RESILIENCE (R) Very High Score: 0.822 • Rank: 1/10

Score: 0.730 • Rank: 1/10

VULNERABILITY (V)

MULTI-HAZARD EXPOSURE (MHE)



Households with Unsafe Sanitation Practices 33.6%



Population with Electricity Access 98.3%



Child Labor 4.3%



Adolescent Birth Rate (to women under age 21) **10.7%**



COPING CAPACITY (CC) Very High Score: 0.878 • Rank: 1/10

Score: 0.233 • Rank: 7/10



RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.730

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

å 105,787

Buildings Exposed: **43%** Critical Infrastructure Exposed: **52%**



Drought 20% 42.425

Buildings Exposed: **13%** Critical Infrastructure Exposed: **4%**



Earthquake

217,460

Buildings Exposed: **100%** Critical Infrastructure Exposed: **85%**



Extreme Heat

217,460 Buildings Exposed: **100%**

Critical Infrastructure Exposed: 100%



Landslide 0% a 0

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



Mosquito-borne Disease

217,460
 Buildings Exposed: 100%
 Critical Infrastructure Exposed: 100%

Riverine Flooding **79%**

4 171,810

Buildings Exposed: **68%** Critical Infrastructure Exposed: **37%**



Sea Level Rise

2,968
 Buildings Exposed: 2%

Critical Infrastructure Exposed: **<1%**

NOTE: Population exposure values for Suriname are estimated using PDC's All-hazard Impact Model (AIM) model. Values may differ from Census population.



Raw MHE 1.000

Relative MHE 0.460



RANK: 1 / 10 DISTRICTS SCORE: 0.730

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Tsunami 7%

å 14,509

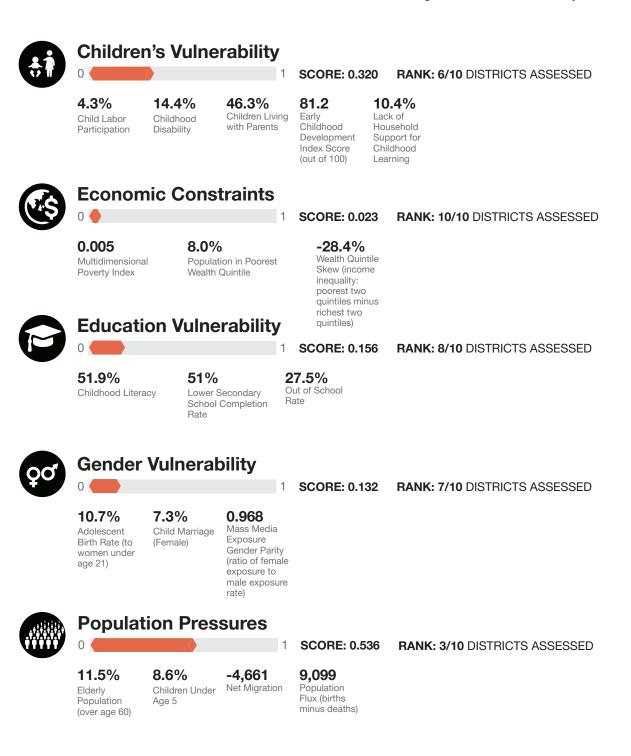
Buildings Exposed: **8%** Critical Infrastructure Exposed: **8%** Wildfire

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.233

Vulnerability in Paramaribo is primarily driven by Population Pressures and Children's Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





COPING CAPACITY (CC)

RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.878

Paramaribo exhibits weaker Coping Capacity in the areas of Public Health Capacity and Standard of Living. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.

SCORE: 0.599

1.3

persons



Public Health Capacity

59.0% Households with E. Coli Contaminated Drinking Water 79.5% Measles Vaccination

33.6% Households with Unsafe Sanitation Practices

1

60.2 Physicians Hospital per 10,000 Bed Density per 10,000 persons

0.5 Clinics per 10.000 persons



Ω

Standard of Living

Rate

97.2% Households Using Clean Fuels for Cooking and Lighting

94.5% 85.9% **Rural Access** Households Index with Finished (population Exterior Walls within 2km of all-season road)

92.4% Population that Does Not Share Toilet Facilities

SCORE: 0.911

RANK: 2/10 DISTRICTS ASSESSED

RANK: 3/10 DISTRICTS ASSESSED



Energy and Technology Capacity

49.9% Households with Computer Access

n

98.3% Population with Electricity Access

SCORE: 1.000

RANK: 1/10 DISTRICTS ASSESSED

RANK: 1/10 DISTRICTS ASSESSED



Infrastructure Capacity

SCORE: 1.000

4.7 Average Distance to Airport (km) 4.4 Average Distance to EOC (km)

2.6 Average Distance to Fire Station (km)

3.0 Average Distance to Hospital (km) 2.4 Average Distance to Police Station (km)

4.7 Average Distance to Port (km)

1.3 Average Distance to School (km) 0.1 Average Distance to Telecommunications (km)



RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.822

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

KEY FACTORS INFLUENCING RESILIENCE:



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.



Children's Vulnerability

Children who are developmentally disadvantaged or have a disability are more susceptible to harm during times of disaster. Furthermore, children engaged in child labor, where safety concerns may be an issue, and in living arrangements lacking adult supervision, are more likely to suffer negative consequences as a result of an emergency situation. Efforts to support the cognitive, physical, social and emotional development of young children will reduce their vulnerability and have positive bearing on their future health and well-being.



Public Health Capacity

Access to improved water and sanitation, and vaccination against childhood diseases improves health outcomes and frees up resources to decrease further susceptibility to impacts. In addition, access to skilled caregivers and dedicated facilities for the treatment of injury and disease 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.



Standard of Living

Well-constructed homes with access to basic amenities and proximity to improved road networks enable households to meet the demands of daily routines and maintain livelihoods. A standard of living that meets basic household needs also frees up resources to decrease further susceptibility to impacts as a result of a disaster and speeds recovery.

HAZ	ARD-SPECIFIC	RISK (HSR)
	Coastal Flooding	RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.310
	Drought	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.358
	Earthquake	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.422
	Extreme Heat	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.422
MÈ	Landslide	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.000
×	Mosquito-borne Disease	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.422
	Riverine Flooding	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.339
	Sea Level Rise	RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.117
	Tsunami	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.276
Ø	Wildfire	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.000



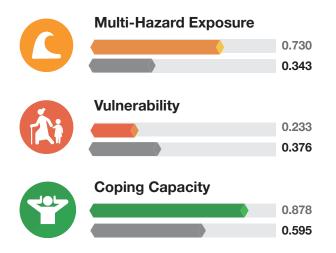
MULTI-HAZARD RISK (MHR)

4 / 10 RANK AMONG DISTRICTS Score: 0.362

Paramaribo's score and ranking are due to Very High Multi-Hazard Exposure combined with Low Vulnerability and Very High Coping Capacity scores.

Multi-Hazard Risk component scores **—** compared to overall average country scores:

DISTRICTS SCORECOUNTRY SCORE





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SURINAME SARAMACCA

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CAPITAL: GRONINGEN Area: 3,636 km2



RISK AND VULNERABILITY COMPONENT SCORE

Moderate

Low



MULTI-HAZARD RISK (MHR) Very Low

Score: 0.284 • Rank: 9/10



Population (2012 Census) 17,480



RESILIENCE (R) Moderate Score: 0.729 • Rank: 5/10

Score: 0.309 • Rank: 5/10

VULNERABILITY (V)

MULTI-HAZARD EXPOSURE (MHE)



Households with Unsafe Sanitation Practices **70.9%**



Population with Electricity Access 71.4%



Child Labor 3.2%



Adolescent Birth Rate (to women under age 21) **10.8%**



COPING CAPACITY (CC) Moderate Score: 0.689 • Rank: 5/10

Score: 0.231 • Rank: 8/10

PDC Global

72

MHE 0.309

0.524

Raw MHE 0.095

Relative MHE



RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.309

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

å 19,530

Buildings Exposed: **97%** Critical Infrastructure Exposed: **97%**



Drought

4 257

Buildings Exposed: **2%** Critical Infrastructure Exposed: **<1%**



Earthquake

20,590

Buildings Exposed: **100%** Critical Infrastructure Exposed: **61%**



Extreme Heat 100%



Buildings Exposed: **100%** Critical Infrastructure Exposed: **100%**



Landslide 0% a 0

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



Mosquito-borne Disease 98%

å 20,270

Buildings Exposed: **97%** Critical Infrastructure Exposed: **No data**

 $\widehat{}$

94% & 19,290

Buildings Exposed: **94%** Critical Infrastructure Exposed: **48%**



Sea Level Rise

Riverine Flooding

2,969
 Buildings Exposed: 21%
 Critical Infrastructure Exposed: 22%

NOTE: Population exposure values for Suriname are estimated using PDC's All-hazard Impact Model (AIM) model. Values may differ from Census population.



RANK: 5 / 10 DISTRICTS SCORE: 0.309

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Tsunami



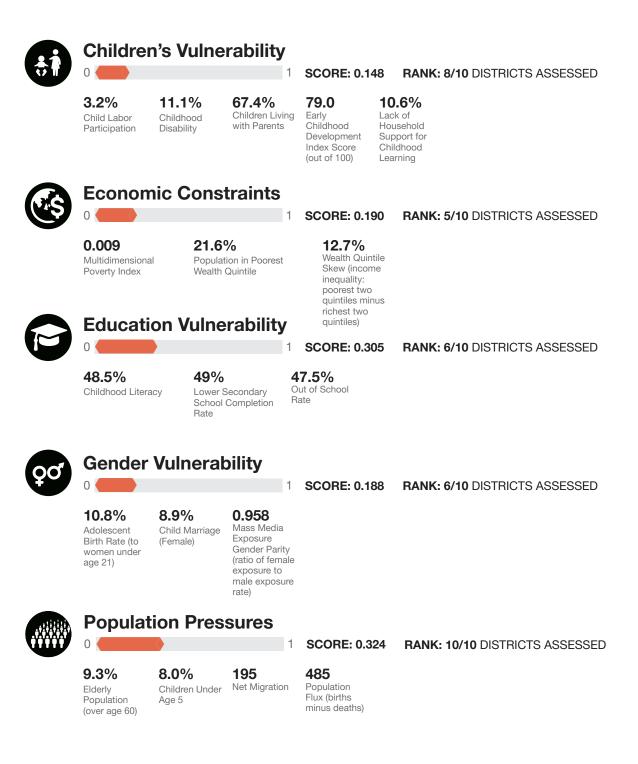
Buildings Exposed: **1%** Critical Infrastructure Exposed: **<1%** Wildfire

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.231

Vulnerability in Saramacca is primarily driven by Population Pressures and Education Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





COPING CAPACITY (CC)

RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.689

Saramacca exhibits weaker Coping Capacity in the areas of Public Health Capacity and Energy and Technology Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.

SCORE: 0.534

6.4

persons



Public Health Capacity

64.8% Households with E. Coli Contaminated Drinking Water 86.7% 70.9% Measles Vaccination

Households with Unsafe Sanitation Practices

1

0.0 Physicians Hospital per 10,000 Bed Density per 10,000 persons

5.8 Clinics per 10.000 persons

RANK: 4/10 DISTRICTS ASSESSED

RANK: 6/10 DISTRICTS ASSESSED



Standard of Living

Rate

87.0% Households Using Clean Fuels for Cooking and Lighting

89.1% 80.1% **Rural Access** Households Index with Finished (population Exterior Walls within 2km of all-season road)

92.9% Population that Does Not Share Toilet Facilities

SCORE: 0.782



Energy and Technology Capacity

26.7% Households with Computer Access

n

71.4% Population with Electricity Access

SCORE: 0.602

RANK: 5/10 DISTRICTS ASSESSED

RANK: 6/10 DISTRICTS ASSESSED



Infrastructure Capacity

1

32.6 Average Distance to Airport (km) 35.2 Average Distance to EOC (km)

25.4 Average Distance to Fire Station (km)

32.8 Average Distance to Hospital (km)

SCORE: 0.838

5.7 Average Distance to Police Station (km)

35.3 Average Distance to Port (km)

25.1 Average Distance to School (km)

1.1 Average Distance to Telecommunications (km)

Ω



RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.729

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

KEY FACTORS INFLUENCING RESILIENCE:



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.



Education Vulnerability

Limited access to education and low literacy rates can hinder a population's ability to understand and act upon hazard alert and warning messages. Emergency messages disseminated to the population must contain clear and simple information that fosters understanding and promotes life-saving action. Low school attendance rates can be further exacerbated due to the disruption caused by a natural disaster and the additional demands placed on households during the recovery process. Efforts to remove impediments to school attendance such as economic constraints, inadequate facilities, geographic isolation, and marginalization will reduce vulnerability and increase opportunities for the population.



Public Health Capacity

Access to improved water and sanitation, and vaccination against childhood diseases improves health outcomes and frees up resources to decrease further susceptibility to impacts. In addition, access to skilled caregivers and dedicated facilities for the treatment of injury and disease 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.



Energy and Technology 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 will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster. Furthermore, access to communications infrastructure and technology makes it easier for people to communicate reliably, increasing accessibility to alert and warning information.

HAZ	ARD-SPECIFIC	RISK (HSR)
	Coastal Flooding	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.433
	Drought	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.057
	Earthquake	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.406
	Extreme Heat	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.434
MÈ	Landslide	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.000
×	Mosquito-borne Disease	RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.371
	Riverine Flooding	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.374
	Sea Level Rise	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.329
	Tsunami	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.053
	Wildfire	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.000



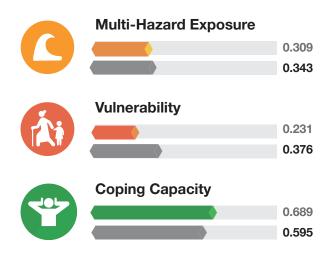
MULTI-HAZARD RISK (MHR)

9 / 10 RANK AMONG DISTRICTS Score: 0.284

Saramacca's score and ranking are due to Moderate Multi-Hazard Exposure combined with Low Vulnerability and Moderate Coping Capacity scores.

Multi-Hazard Risk component scores compared to overall average country scores:

DISTRICTS SCORECOUNTRY SCORE





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SURINAME

NDPBA SUBNATIONAL PROFILE



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CAPITAL: N/A Area: 130,567 km2



RISK AND VULNERABILITY COMPONENT SCORE

Verv Low

Very High



MULTI-HAZARD RISK (MHR) Very High Score: 0.634 • Rank: 1/10



Population (2012 Census) 37,065



RESILIENCE (R) Very Low Score: 0.068 • Rank: 10/10

Score: 0.039 • Rank: 10/10

VULNERABILITY (V)

MULTI-HAZARD EXPOSURE (MHE)



Households with Unsafe Sanitation Practices **97.7%**



Population with Electricity Access 2.3%



Child Labor 24.4%



Adolescent Birth Rate (to women under age 21) **25.2%**



COPING CAPACITY (CC) Very Low Score: 0.016 • Rank: 10/10

Score: 0.880 • Rank: 1/10



MHE 0.039

Raw MHE 0.078

Relative MHE 0.000

RANK: 10 / 10 DISTRICTS ASSESSED SCORE: 0.039

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

å 3,085

Buildings Exposed: **3%** Critical Infrastructure Exposed: **16%**



Drought 7% 4

Buildings Exposed: **2%** Critical Infrastructure Exposed: **0%**



Landslide 9% 3,842

Buildings Exposed: **7%** Critical Infrastructure Exposed: **13%**

淤

Mosquito-borne Disease 73% 30,430

Buildings Exposed: **64%** Critical Infrastructure Exposed: **58%**

Earthquake

3,846

Buildings Exposed: **3%** Critical Infrastructure Exposed: **17%**



Extreme Heat **49%**

20,406

Buildings Exposed: **45%** Critical Infrastructure Exposed: **50%**



Riverine Flooding

4370 2 17,748

Buildings Exposed: **45%** Critical Infrastructure Exposed: **42%**



Sea Level Rise

131
 Buildings Exposed: <1%
 Critical Infrastructure Exposed: 2%

NOTE: Population exposure values for Suriname are estimated using PDC's All-hazard Impact Model (AIM) model. Values may differ from Census population.

MULTI-HAZARD EXPOSURE (MHE)

RANK: 10 / 10 DISTRICTS SCORE: 0.039

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Tsunami

20

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**

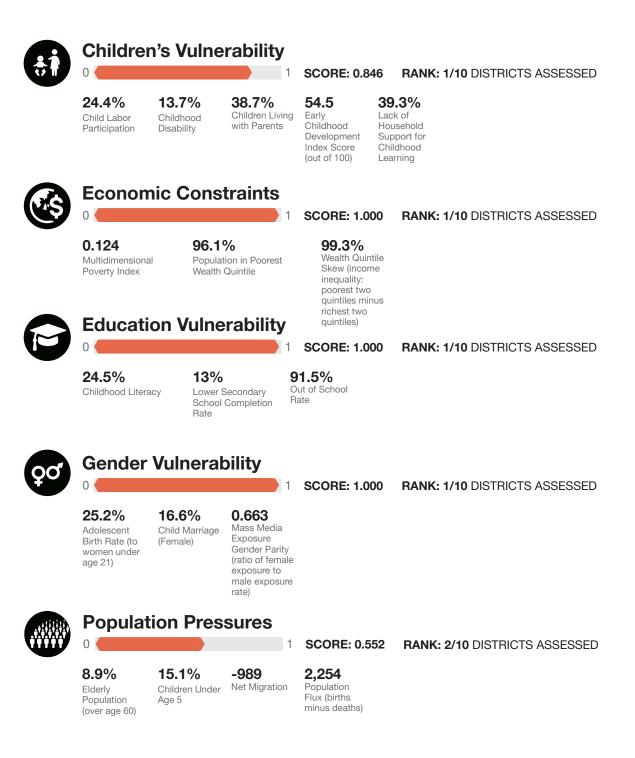


Buildings Exposed: **20%** Critical Infrastructure Exposed: **11%**



RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.880

Vulnerability in Sipaliwini is primarily driven by Economic Constraints and Education Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





COPING CAPACITY (CC)

RANK: 10 / 10 DISTRICTS ASSESSED SCORE: 0.016

Sipaliwini exhibits weaker Coping Capacity in the areas of Public Health Capacity and Standard of Living. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Public Health Capacity

85.3% Households with E. Coli Contaminated Drinking Water 63.4% Measles Vaccination

97.7% Households with Unsafe Sanitation Practices

1

0.0 Physicians Hospital per 10,000 Bed Density per 10,000 persons

0.0 Clinics per 10.000 persons



Standard of Living 0

Rate

54.2% Households Using Clean Fuels for Cooking and Lighting

74.7% 8.3% Households **Rural Access** Index with Finished (population Exterior Walls within 2km of all-season road)

41.9% Population that Does Not Share Toilet Facilities

SCORE: 0.000

SCORE: 0.000

0.0

persons

RANK: 10/10 DISTRICTS ASSESSED

RANK: 10/10 DISTRICTS ASSESSED



Energy and Technology Capacity

4.8% Households with Computer Access

0 🌢

n

2.3% Population with Electricity Access

SCORE: 0.000

RANK: 10/10 DISTRICTS ASSESSED



Infrastructure Capacity

SCORE: 0.062

142.3 Average Distance to Airport (km)

185.1 Average Distance to EOC (km)

150.4 Average Distance to Fire Station (km)

1

151.4 Average Distance to Hospital (km) 69.8 Average Distance to Police Station

(km)

147.9 Average Distance to Port (km)

RANK: 10/10 DISTRICTS ASSESSED

52.5 Average Distance to School (km) 21.3 Average Distance to Telecommunications (km)



RANK: 10 / 10 DISTRICTS ASSESSED SCORE: 0.068

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

KEY FACTORS INFLUENCING RESILIENCE:



Economic Constraints

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



Education Vulnerability

Limited access to education and low literacy rates can hinder a population's ability to understand and act upon hazard alert and warning messages. Emergency messages disseminated to the population must contain clear and simple information that fosters understanding and promotes life-saving action. Low school attendance rates can be further exacerbated due to the disruption caused by a natural disaster and the additional demands placed on households during the recovery process. Efforts to remove impediments to school attendance such as economic constraints, inadequate facilities, geographic isolation, and marginalization will reduce vulnerability and increase opportunities for the population.



Public Health Capacity

Access to improved water and sanitation, and vaccination against childhood diseases improves health outcomes and frees up resources to decrease further susceptibility to impacts. In addition, access to skilled caregivers and dedicated facilities for the treatment of injury and disease 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.



Standard of Living

Well-constructed homes with access to basic amenities and proximity to improved road networks enable households to meet the demands of daily routines and maintain livelihoods. A standard of living that meets basic household needs also frees up resources to decrease further susceptibility to impacts as a result of a disaster and speeds recovery.

HAZ	ARD-SPECIFIC	RISK (HSR)
	Coastal Flooding	RANK: 10 / 10 DISTRICTS ASSESSED SCORE: 0.009
	Drought	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.172
	Earthquake	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.290
	Extreme Heat	RANK: 10 / 10 DISTRICTS ASSESSED SCORE: 0.167
MÈ	Landslide Mosquito-borne	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.677
淡	Disease	RANK: 10 / 10 DISTRICTS ASSESSED SCORE: 0.209
	Riverine Flooding	RANK: 1 / 10 DISTRICTS ASSESSED SCORE: 0.483
	Sea Level Rise	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.129
	Tsunami •	RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.000
	Wildfire	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.436



MULTI-HAZARD RISK (MHR)

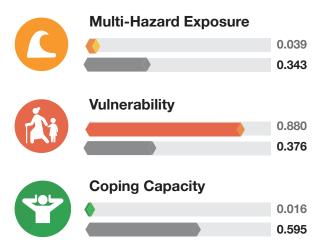


1 / 10 RANK AMONG DISTRICTS Score: 0.634

Sipaliwini's score and ranking are due to Very Low Multi-Hazard Exposure combined with Very High Vulnerability and Very Low Coping Capacity scores.

 Multi-Hazard Risk component scores
 DISTRICTS SCORE

 compared to overall average country scores:
 COUNTRY SCORE





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NDPBA SUBNATIONAL PROFILE



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CAPITAL: LELYDORP Area: 443 km2



RISK AND VULNERABILITY COMPONENT SCORE

RESILIENCE (R)

High

Very High



MULTI-HAZARD RISK (MHR) Moderate

Score: 0.357 • Rank: 6/10

Score: 0.781 • Rank: 4/10

MULTI-HAZARD EXPOSURE (MHE)



Population (2012 Census) 118,222



Households with Unsafe Sanitation Practices **53.1%**



Population with Electricity Access 97.8%



Child Labor 3.9%



Adolescent Birth Rate (to women under age 21) **9.8%**



VULNERABILITY (V) Moderate Score: 0.235 • Rank: 6/10



COPING CAPACITY (CC) Very High Score: 0.797 • Rank: 2/10

MHE 0.634

0.455

Raw MHE 0.813

Relative MHE



RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.634

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

å 131,070

Buildings Exposed: **74%** Critical Infrastructure Exposed: **71%**



Drought <1%

Buildings Exposed: **<1%** Critical Infrastructure Exposed: **<1%**



Earthquake

å 151,290

Buildings Exposed: **76%** Critical Infrastructure Exposed: **56%**



Extreme Heat **100% 177,340**

Buildings Exposed: **100%** Critical Infrastructure Exposed: **100%**



Landslide 0% a 0

Buildings Exposed: **0%** Critical Infrastructure Exposed: **0%**



Mosquito-borne Disease

177,340
 Buildings Exposed: 100%
 Critical Infrastructure Exposed: 100%

5
\sim

Riverine Flooding

4 157,560

Buildings Exposed: **85%** Critical Infrastructure Exposed: **56%**



Sea Level Rise

600
Buildings Exposed: 1%
Critical Infrastructure Exposed: <1%</p>

NOTE: Population exposure values for Suriname are estimated using PDC's All-hazard Impact Model (AIM) model. Values may differ from Census population.

MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 10 DISTRICTS SCORE: 0.634

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



188

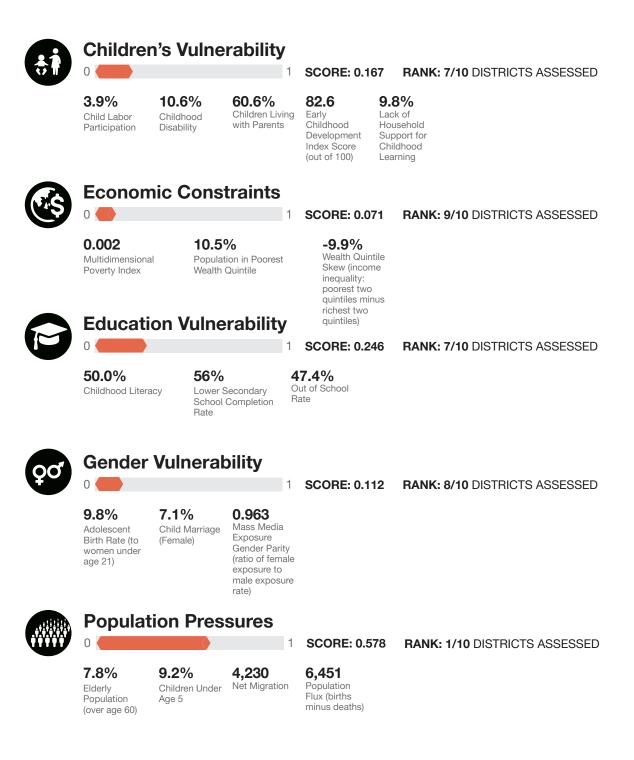
Buildings Exposed: <1% Critical Infrastructure Exposed: <1% Wildfire 0% 20

> Buildings Exposed: 0% Critical Infrastructure Exposed: 0%



RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.235

Vulnerability in Wanica is primarily driven by Population Pressures and Education Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





COPING CAPACITY (CC)

RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.797

Wanica exhibits weaker Coping Capacity in the areas of Public Health Capacity and Energy and Technology Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Public Health Capacity

63.7% Households with E. Coli Contaminated Drinking Water 87.8% 53.1% Measles Vaccination

Households with Unsafe Sanitation Practices

1

11.1 Physicians Hospital per 10,000 Bed Density per 10,000 persons

0.7 Clinics per 10.000 persons



Ω

Standard of Living

Rate

93.9% Households Using Clean Fuels for Cooking and Lighting

93.8% 93.3% **Rural Access** Households Index with Finished (population Exterior Walls within 2km of all-season road)

94.7% Population that Does Not Share Toilet Facilities

Energy and Technology Capacity

97.8%

Households with Computer Access

38.1%

Population with Electricity Access

Infrastructure Capacity n

> 10.0 Average Distance to Airport (km)

12.7 Average Distance to EOC (km)

5.4 Average Distance to Fire Station (km)

7.7 Average Distance to Hospital (km)

SCORE: 0.972

3.4 Average Distance to Police Station (km)

10.9 Average Distance to Port (km)

3.6 Average Distance to School (km) 0.4 Average Distance to Telecommunications (km)

SCORE: 0.918

SCORE: 0.866

SCORE: 0.433

1.8

persons

RANK: 1/10 DISTRICTS ASSESSED

RANK: 2/10 DISTRICTS ASSESSED

RANK: 2/10 DISTRICTS ASSESSED

RANK: 7/10 DISTRICTS ASSESSED



RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.781

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

KEY FACTORS INFLUENCING RESILIENCE:



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.



Education Vulnerability

Limited access to education and low literacy rates can hinder a population's ability to understand and act upon hazard alert and warning messages. Emergency messages disseminated to the population must contain clear and simple information that fosters understanding and promotes life-saving action. Low school attendance rates can be further exacerbated due to the disruption caused by a natural disaster and the additional demands placed on households during the recovery process. Efforts to remove impediments to school attendance such as economic constraints, inadequate facilities, geographic isolation, and marginalization will reduce vulnerability and increase opportunities for the population.



Public Health Capacity

Access to improved water and sanitation, and vaccination against childhood diseases improves health outcomes and frees up resources to decrease further susceptibility to impacts. In addition, access to skilled caregivers and dedicated facilities for the treatment of injury and disease 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.



Energy and Technology 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 will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster. Furthermore, access to communications infrastructure and technology makes it easier for people to communicate reliably, increasing accessibility to alert and warning information.

HAZ	ARD-SPECIFIC	RISK (HSR)
	Coastal Flooding	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.417
	Drought	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.071
	Earthquake	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.394
	Extreme Heat	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.453
MÈ	Landslide	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.000
浙	Mosquito-borne Disease	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.453
	Riverine Flooding	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.419
	Sea Level Rise	RANK: 10 / 10 DISTRICTS ASSESSED SCORE: 0.068
	Tsunami	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.044
	Wildfire	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.000



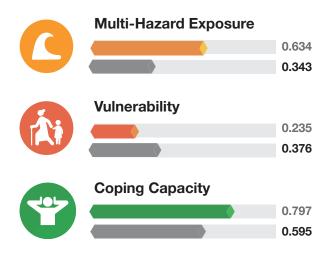
MULTI-HAZARD RISK (MHR)

6 / 10 RANK AMONG DISTRICTS Score: 0.357

Wanica's score and ranking are due to Very High Multi-Hazard Exposure combined with Moderate Vulnerability and Very High Coping Capacity scores.

Multi-Hazard Risk component scores compared to overall average country scores:

DISTRICTS SCORECOUNTRY SCORE





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