



SURINAME

CORONIE

NDPBA SUBNATIONAL PROFILE

SURINAME CORONIE

CAPITAL: TOTNESS

Area: 3,902 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Moderate

Score: 0.360 • Rank: 5/10



RESILIENCE (R)

Moderate

Score: 0.633 • Rank: 6/10



MULTI-HAZARD EXPOSURE (MHE)

High

Score: 0.345 • Rank: 4/10



VULNERABILITY (V)

Moderate

Score: 0.325 • Rank: 5/10



COPING CAPACITY (CC)

Low

Score: 0.590 • Rank: 7/10



Population (2012 Census)

3,391



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%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 10 DISTRICTS ASSESSED
SCORE: 0.345



MHE
0.345

Raw MHE
0.000

Relative MHE
0.689

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

92%

3,427

Buildings Exposed: **95%**

Critical Infrastructure Exposed: **99%**



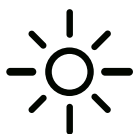
Landslide

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Drought

99%

3,668

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **0%**



Mosquito-borne Disease

91%

3,367

Buildings Exposed: **100%**

Critical Infrastructure Exposed:

No data



Earthquake

100%

3,713

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **72%**



Riverine Flooding

33%

1,214

Buildings Exposed: **33%**

Critical Infrastructure Exposed: **25%**



Extreme Heat

100%

3,713

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



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.



MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 10 DISTRICTS
SCORE: 0.345

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Tsunami

0%

0

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **<1%**



Wildfire

83%

3,097

Buildings Exposed: **85%**

Critical Infrastructure Exposed: **58%**



VULNERABILITY (V)

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.



Children's Vulnerability

0  1 **SCORE: 0.595** **RANK: 3/10 DISTRICTS ASSESSED**

27.8% Child Labor Participation	19.3% Childhood Disability	43.7% Children Living with Parents	75.4 Early Childhood Development Index Score (out of 100)	7.9% Lack of Household Support for Childhood Learning
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Economic Constraints

0  1 **SCORE: 0.075** **RANK: 7/10 DISTRICTS ASSESSED**

0.000 Multidimensional Poverty Index	5.7% Population in Poorest Wealth Quintile	0.4% Wealth Quintile Skew (income inequality: poorest two quintiles minus richest two quintiles)
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Education Vulnerability

0  1 **SCORE: 0.348** **RANK: 5/10 DISTRICTS ASSESSED**

40.4% Childhood Literacy	53% Lower Secondary School Completion Rate	44.3% Out of School Rate
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Gender Vulnerability

0  1 **SCORE: 0.225** **RANK: 5/10 DISTRICTS ASSESSED**

12.5% Adolescent Birth Rate (to women under age 21)	8.1% Child Marriage (Female)	0.936 Mass Media Exposure Gender Parity (ratio of female exposure to male exposure rate)
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Population Pressures

0  1 **SCORE: 0.380** **RANK: 6/10 DISTRICTS ASSESSED**

10.6% Elderly Population (over age 60)	8.5% Children Under Age 5	101 Net Migration	79 Population Flux (births minus deaths)
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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.



Public Health Capacity



SCORE: 0.440 RANK: 6/10 DISTRICTS ASSESSED

76.8% Households with E. Coli Contaminated Drinking Water	76.9% Measles Vaccination Rate	81.1% Households with Unsafe Sanitation Practices	12.7 Physicians per 10,000 persons	12.7 Hospital Bed Density per 10,000 persons	3.2 Clinics per 10,000 persons
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Standard of Living

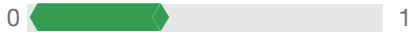


SCORE: 0.877 RANK: 3/10 DISTRICTS ASSESSED

98.1% Households Using Clean Fuels for Cooking and Lighting	98.5% Households with Finished Exterior Walls	51.7% Rural Access Index (population within 2km of all-season road)	96.7% Population that Does Not Share Toilet Facilities
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Energy and Technology Capacity



SCORE: 0.362 RANK: 7/10 DISTRICTS ASSESSED

22.4% Households with Computer Access	34.2% Population with Electricity Access
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Infrastructure Capacity



SCORE: 0.681 RANK: 7/10 DISTRICTS ASSESSED

77.8 Average Distance to Airport (km)	128.7 Average Distance to EOC (km)	9.5 Average Distance to Fire Station (km)	72.5 Average Distance to Hospital (km)	8.1 Average Distance to Police Station (km)	41.6 Average Distance to Port (km)	41.5 Average Distance to School (km)	1.7 Average Distance to Telecommunications (km)
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RESILIENCE (R)

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.



HAZARD-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

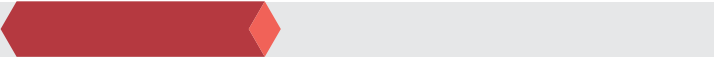
RANK: 2 / 10 DISTRICTS ASSESSED

SCORE: 0.443



MULTI-HAZARD RISK (MHR)

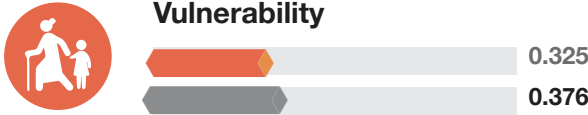
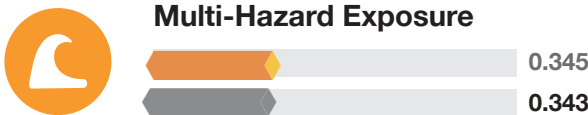
5 / 10
RANK AMONG DISTRICTS
Score: 0.360



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:

DISTRICTS SCORE
COUNTRY SCORE



**Better solutions.
Fewer disasters.**

Safer world.

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