



**BELIZE**

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# **STANN CREEK**

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**NDPBA DISTRICTS PROFILE**

# BELIZE STANN CREEK

## CAPITAL: DANGRIGA

Area: 2,550 km<sup>2</sup>

The Stann Creek District is located in the Eastern region of Belize. This District is divided into 30 Cities, Towns and Villages: Dangriga (The Capital), is the main city. The District borders Belize to the north, Cayo to the west, Toledo to the south and the Atlantic Ocean to the east. The main economic sources for the country of Belize continues to be tourism, sugar, banana, citrus, marine products and crude oil.



## RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - High**  
Score: 0.459 • Rank: 3/6



**RESILIENCE (R) - Very High**  
Score: 0.528 • Rank: 2/6



**MULTI-HAZARD EXPOSURE (MHE) - High**  
Score: 0.276 • Rank: 3/6



**VULNERABILITY (V) - Very Low**  
Score: 0.341 • Rank: 6/6



**COPING CAPACITY (CC) - Low**  
Score: 0.397 • Rank: 5/6



Population (2010 Census)  
**34,324**



Population in lowest wealth quintile  
**26.3%**



Population with no secondary school education  
**62.4%**



Households with unimproved water access  
**0.65% households**



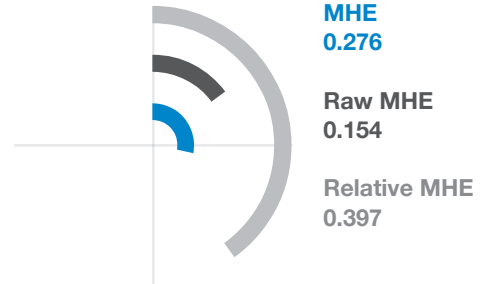
Infant mortality rate (per 1,000 live births)  
**10.6**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 6 DISTRICTS  
SCORE: 0.276



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



Earthquake

**41.2%**

**16,969**

**\$409.5 Million**

Critical Infrastructure Exposed:  
**44.6%**



Extreme Heat

**0.0%**

**0**

**-**

Critical Infrastructure Exposed:  
**0.0%**



Flood

**30.4%**

**12,533**

**\$359.6 Million**

Critical Infrastructure Exposed:  
**28.2%**



Landslide

**5.7%**

**2,339**

**\$6.5 Million**

Critical Infrastructure Exposed:  
**10.9%**



Storm Surge

**27.1%**

**11,175**

**\$33.9 Million**

Critical Infrastructure Exposed:  
**22.7%**



Tropical Cyclone Winds

**100.0%**

**41,219**

**\$1.4 Billion**

Critical Infrastructure Exposed:  
**100.0%**



Wildfire

**53.3%**

**21,954**

**\$1.2 Billion**

Critical Infrastructure Exposed:  
**54.6%**



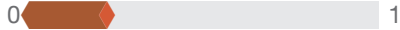
## VULNERABILITY (V)

**RANK: 6 / 6 DISTRICTS ASSESSED**  
**SCORE: 0.341**

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



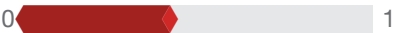
### Environmental Stress SCORE: 0.226 RANK: 6/6 DISTRICTS ASSESSED



<b>7.7%</b> Tree cover loss	<b>-7.4%</b> Projected changes in annual precipitation	<b>23.3%</b> Decline in land productivity
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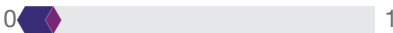
### Vulnerable Health Status SCORE: 0.426 RANK: 3/6 DISTRICTS ASSESSED



<b>174.17</b> TB infections per 10k persons	<b>93.09</b> Dengue incidence per 100k persons	<b>2957.96</b> Malaria incidence per 100k persons
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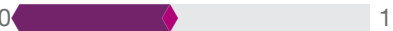
### Clean Water Vulnerability SCORE: 0.081 RANK: 6/6 DISTRICTS ASSESSED



<b>0.65%</b> Households with unimproved water access	<b>10.33%</b> Households with unimproved sanitation
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### Information Access Vulnerability SCORE: 0.437 RANK: 5/6 DISTRICTS ASSESSED



<b>81.3%</b> Adult literacy	<b>100.0</b> Primary to secondary school transition rate	<b>23.7%</b> Working population with no secondary school education	<b>23.7%</b> Households without radio access	<b>27.8%</b> Households without television access	<b>89.2%</b> Households without Internet access
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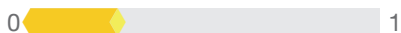
**Economic Constraints** SCORE: 0.463 RANK: 4/6 DISTRICTS ASSESSED



<b>9.5%</b> Average unemployment (2019)	<b>13.8%</b> Under-employment (2019)	<b>70.6</b> Economic dependency ratio	<b>26.3%</b> Population in lowest wealth quintile
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**Gender Inequality** SCORE: 0.253 RANK: 5/6 DISTRICTS ASSESSED



<b>68.18</b> Domestic violence cases per 10k persons	<b>0,177</b> Female economic opportunity score	<b>5</b> Female economic opportunity rank	<b>1.03</b> Female to male secondary school transition ratio	<b>0.01</b> Female to male income ratio	<b>0.35</b> Female to male labor force participation ratio	<b>0.582</b> Female healthcare access score
<b>2</b> Female healthcare access rank	<b>10.6</b> Infant mortality rate (per 1,000 live births)	<b>185.7</b> Maternal mortality rate (per 100k live births)	<b>101.0</b> Adolescent birth rate (per 1,000 women)	<b>26.2%</b> Unmet need for contraception		



**Population Pressures** SCORE: 0.500 RANK: 3/6 DISTRICTS ASSESSED



<b>3.37%</b> Average annual population change	<b>1.09%</b> Average annual urban population change	<b>14.60%</b> Prevalence of stunting
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## COPING CAPACITY (CC)

**RANK: 5 / 6 DISTRICTS ASSESSED**  
**SCORE: 0.397**

Stann Creek exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



### Economic Capacity SCORE: 0.596 RANK: 2/6 DISTRICTS ASSESSED



**55.9%**

Households owning homes

**21.2%**

Change in active tourism business

**\$510.46**

Average revenue per room (BZ\$)

**\$1,350.31**

Median monthly income (BZ\$)

**66.54**

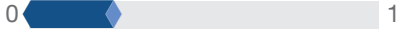
Labor force participation rate

**15.6%**

Population in highest wealth quintile



### Governance SCORE: 0.240 RANK: 6/6 DISTRICTS ASSESSED



**77.9%**

Voter participation

**45.2%**

Households with municipal garbage collection

**46.51**

Crime rate per 10k persons



### Environmental Capacity SCORE: 0.883 RANK: 3/6 DISTRICTS ASSESSED



**100.0%**

Land area with low interannual water variability

**45.6%**

Percent protected land area



### Infrastructure Capacity SCORE: 0.649 RANK: 3/6 DISTRICTS ASSESSED



### Health Care Capacity SCORE: 0.436 RANK: 3/6 DISTRICTS ASSESSED

**3.22**

Health care centers per 10,000 persons

**6.12**

Physicians per 10,000 persons

**14.57**

Nurses per 10,000 persons

**82.7%**

Immunization coverage

**24.92**

Average distance to hospital (km)

**15.15**

Hospital beds per 10,000 persons



### Transportation Capacity SCORE: 0.804 RANK: 3/6 DISTRICTS ASSESSED

**0.6**

Road density (km)

**5.6**

Average distance to port facility (km)



**Communications Capacity** SCORE: 0.645 RANK: 3/6 DISTRICTS ASSESSED

<b>2.11</b> Average distance to cell tower (km)	<b>21.1%</b> Households with fixed phone	<b>75.0%</b> Households with mobile phone
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**Energy Capacity** SCORE: 0.762 RANK: 4/6 DISTRICTS ASSESSED

<b>90.5%</b> Households with electricity	<b>85.1%</b> Households using gas for cooking
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**Emergency Services Capacity** SCORE: 0.598 RANK: 3/6 DISTRICTS ASSESSED

<b>2,196</b> Emergency shelter capacity per 10,000 persons	<b>34.4</b> Average distance to warehouse (km)	<b>2.3</b> Average distance to emergency shelter (km)	<b>9.9</b> Average distance to fire station (km)	<b>5.9</b> Average distance to police station (km)
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## RESILIENCE (R)

**RANK: 2 / 6 DISTRICTS ASSESSED**  
**SCORE: 0.528**

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

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



Population Pressures



Economic Constraints



Governance



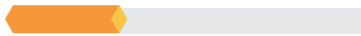
Economic Capacity



## HAZARD-SPECIFIC RISK (HSR)



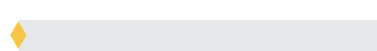
Earthquake



**RANK: 2 / 6 DISTRICTS ASSESSED**  
**SCORE: 0.309**



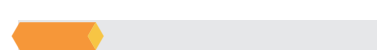
Extreme Heat



**RANK: 5 / 6 DISTRICTS ASSESSED**  
**SCORE: 0.000**



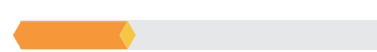
Flood



**RANK: 4 / 6 DISTRICTS ASSESSED**  
**SCORE: 0.221**



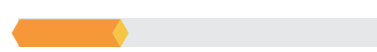
Landslide



**RANK: 2 / 6 DISTRICTS ASSESSED**  
**SCORE: 0.309**



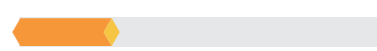
Storm Surge



**RANK: 2 / 6 DISTRICTS ASSESSED**  
**SCORE: 0.293**



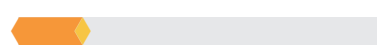
Tropical Cyclone Winds



**RANK: 6 / 6 DISTRICTS ASSESSED**  
**SCORE: 0.265**



Wildfire



**RANK: 5 / 6 DISTRICTS ASSESSED**  
**SCORE: 0.184**





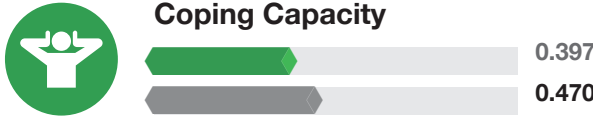
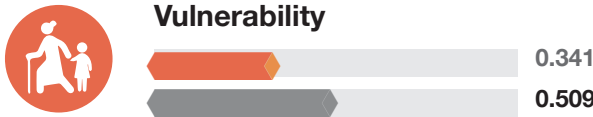
# MULTI-HAZARD RISK (MHR)

**3 / 6**  
RANK WITHIN DISTRICTS  
SCORE: 0.459



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

**Multi-hazard risk component scores compared to overall average country scores:** █ █ STANN CREEK SCORE █ COUNTRY SCORE



# STANN CREEK RECOMMENDATIONS

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## Population Pressures

Stann Creek ranks the 3rd of 6 in population pressures in Belize. Contributing to the high score is high amounts of annual population change in the district. Migration into or out of urban centers makes planning difficult for disasters, community policing, providing of healthcare, and can strain government services. Stann Creek also has the second highest unemployment rate.

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.

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# STANN CREEK RECOMMENDATIONS

## 2

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### Economic Constraints

Stann Creek ranks 4th of 6 for economic constraints. This district has close to average unemployment in Belize, however it was a high 9.45%. Increasing funding for job training, trade skills, and continuing education can help the population gain new skills for the workforce. Additionally encouraging investment in sustainable agriculture, tourism and eco-tourism can build a long term, educated workforce.

Stann Creek also has a high economic dependency ratio (70.6). This can be seen as a measure of the financial pressure on the working population of a community. The higher the ratio, the more non-workers there are relative to the number of workers. With low levels of underemployment, this most likely points to a higher population of young or elderly within the care of the working population. Therefore, increasing support services for these particularly vulnerable populations will ease the burden on those who are working. This could include childcare subsidies, elderly daycares, and better access to healthcare services.

Additionally, catalyzing growth using the wealth of environmental assets that Stann Creek has to offer can help to increase economic capacity and protect the natural resources. Over 45% of the district is already in protection status. Creating economic opportunity through sustainable eco-tourism and cultural tourism, with input from the indigenous populations, can offer unique experiences for tourists, while bringing in economic stability and long term funding for continued conservation efforts

## STANN CREEK RECOMMENDATIONS

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# 3

### Governance

Stann Creek ranks the lowest in Governance of the 6 districts in Belize. Contributing to the low score is the second highest major crime rate per 10,000 persons. High crime rates break down neighborhoods, degrade social and community ties, and destabilize civil society. Stann Creek also ranks 5th of 6 for voter participation. Low voter participation can mean disillusionment, indifference with the government, or lack of faith in government functions. This can directly impact a person's choices to participate in criminal activities.

Lower crime rates by addressing the drivers of criminal activity in society. Stann Creek has the second highest unemployment rate in the country, although it has moderate scores in economic capacity. Diversifying the types of available employment options may help bridge the gap and creating social programs for indigenous populations and lower income populations that are specific to their needs can help to build trust and community. Work to build faith in the citizens through community outreach and education programs to increase civic participation.

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# STANN CREEK RECOMMENDATIONS

## 4

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### Economic Capacity

Stann Creek has a moderate score in economic capacity. Lower economic capacity can exacerbate access to adequate health care, food stability, proper nutrition, and strain the environment and social services. Low amounts of home ownership are driving this score.

Evaluate disaster response and recovery plans to ensure the inclusion of economically vulnerable populations in long- and short-term recovery processes. Residents who rent properties are especially vulnerable in disasters due to lack of insurance or protection plans if their housing or jobs are destroyed. More renters can also mean changing or flexible populations who are not as invested in their community's success as a whole. Use opportunities in the growing tourism business sector (second highest growth in Belize from 2016-2019 and second highest revenue per room) to build community consensus on growth and sustainable development. This can mean creating industry and community partnerships that can be useful during disaster recovery. Create public policies guaranteeing equal opportunity and fair wages for all, even outside of tourism-based business.

Assess feasibility of government programs to assist in job creation and economic growth through education and short-term assistance designed to promote self-sustaining economic opportunities and decrease long-term reliance on government programs.

**Better solutions.  
Fewer disasters.**

# Safer world.

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