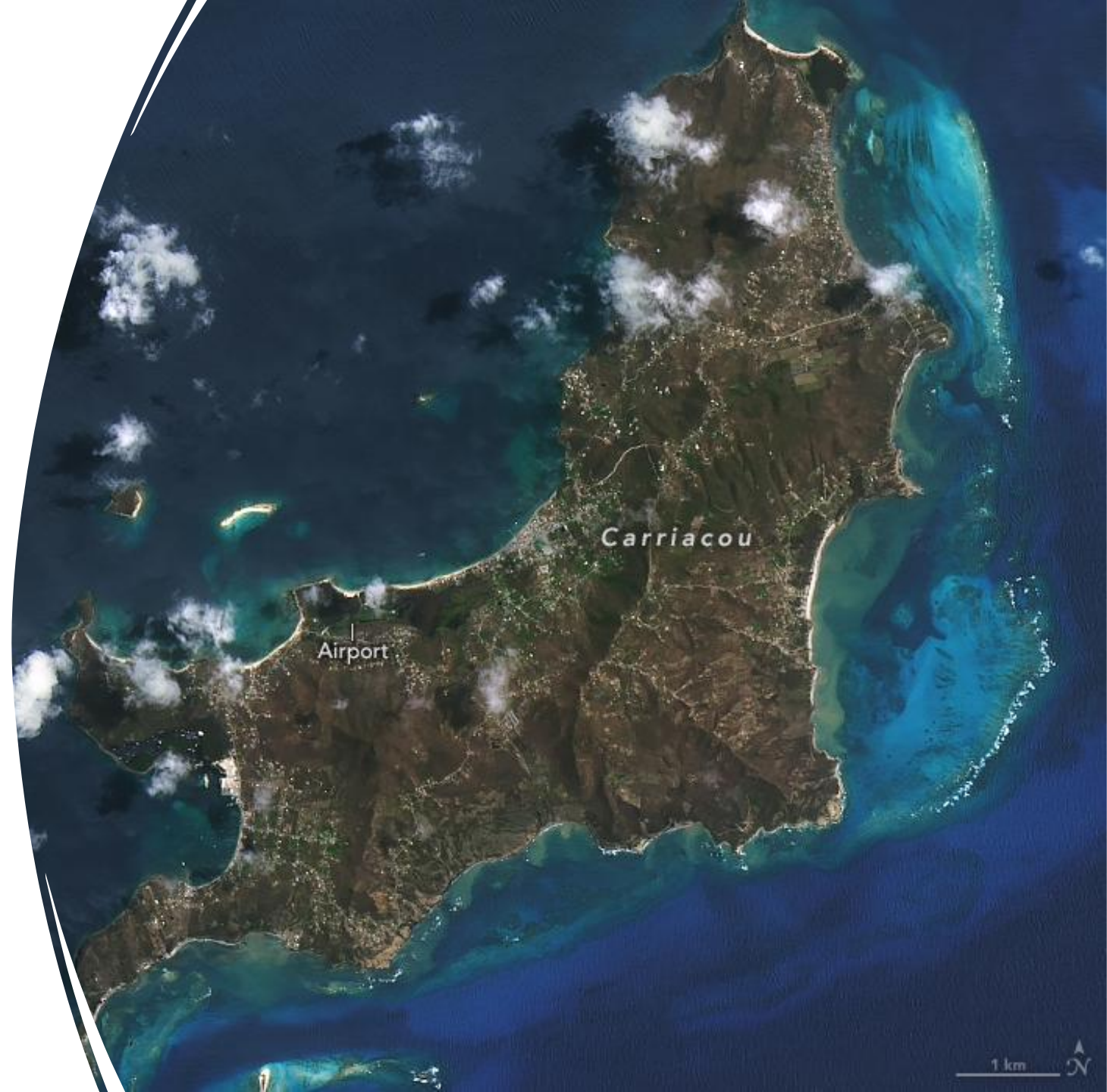


# Impact of & Response to Hurricane Beryl

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Ministry of Social &  
Community Development  
Housing & Gender Affairs  
Grenada

Presenter: Samuel St. Bernard Senior  
Planning Officer

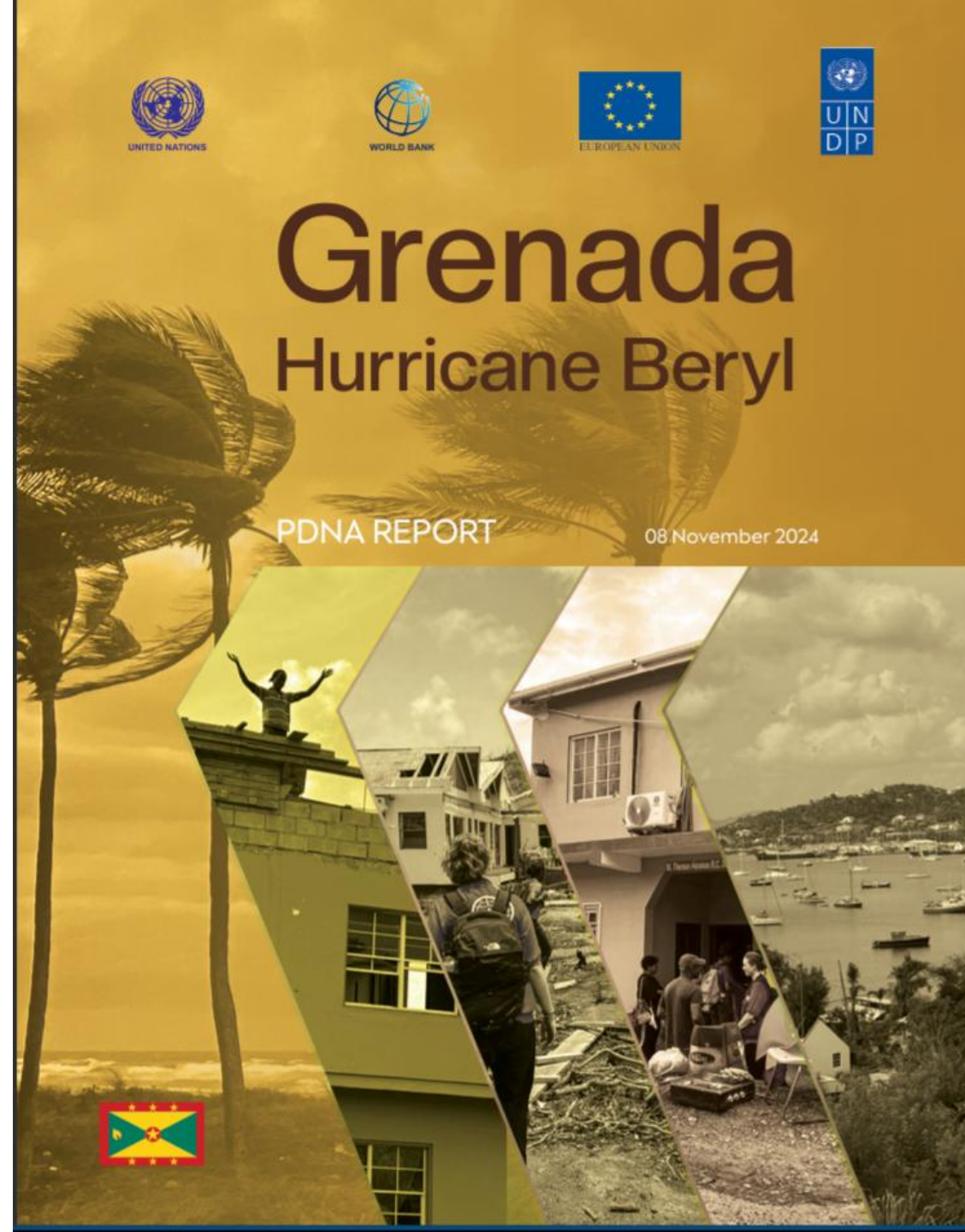


# DAMAGES TO HOUSING STOCK

Hurricane Beryl struck Grenada on July 1, 2024, as a Category 4 storm with maximum sustained winds of 150 miles (240 kilometers) per hour. The Government of Grenada declared the parishes of Saint Patrick, Carriacou and Petite Martinique disaster zones from 1 July to 30 September 2024.

The housing stock was severely impacted in Carriacou and Petite Martinique as well as in the parishes in the northern mainland. A total of 3,736 dwellings were affected by Beryl, with 2,754 located in Carriacou, 264 in Petit Martinique and 718 in mainland Grenada.

The total damage to housing sector infrastructure and contents is estimated at US\$134.8 million or XCD\$363.95 million.



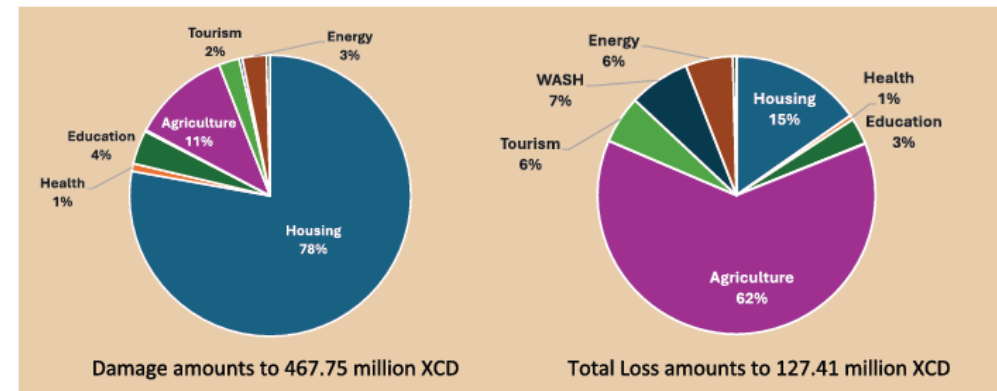
# DAMAGE LEVEL BY TYPE OF BUILDING

Table I: Damage and Loss by Sector<sup>2</sup>

Sector	million XCD				Effects
	Damage	Income Loss	Additional Costs	Total Loss	
<b>Social</b>	<b>387.07</b>	<b>1.10</b>	<b>22.70</b>	<b>23.79</b>	<b>410.87</b>
Housing	363.95	1.040	18.17	19.21	383.15
Health	4.16	0.003	0.66	0.66	4.82
Education	18.14		3.87	3.87	22.01
Culture	0.83	0.05		0.05	0.88
<b>Productive</b>	<b>64.06</b>	<b>84.57</b>	<b>0.93</b>	<b>85.50</b>	<b>149.56</b>
Agriculture	52.95	78.183	0.33	78.51	131.46
Tourism	11.11	6.390	0.60	6.99	18.10
<b>Infrastructure</b>	<b>16.58</b>	<b>3.86</b>	<b>12.48</b>	<b>16.35</b>	<b>32.93</b>
WASH	1.75	0.127	8.80	8.92	10.67
Energy	12.88	3.608	3.31	6.91	19.79
Transport	1.96	0.129	0.38	0.51	2.47
<b>Cross-Cutting</b>	<b>0.04</b>	<b>-</b>	<b>1.77</b>	<b>1.77</b>	<b>1.81</b>
Environment				-	-
DRR	0.04		1.77	1.77	1.81
<b>Total</b>	<b>467.75</b>	<b>89.534</b>	<b>37.876</b>	<b>127.410</b>	<b>595.16</b>
<b>Total USD</b>	<b>173.24</b>	<b>33.161</b>	<b>14.03</b>	<b>47.19</b>	<b>220.43</b>

\*Exchange rate 2.7 XCD per 1 USD

Figure I: Damage and Total Loss by Sector as a Percentage of Total



# The Human Impact

- Estimates indicate that a total of 40,600 people were affected by Hurricane Beryl<sup>3</sup>, which represents 39% of a total population of 112,579.
- **LIVELIHOODS:** Income losses caused by Hurricane Beryl on the tourism and agriculture sectors risks increasing poverty and food insecurity in Grenada.
- Many livelihoods dependent on tourism-related activities were affected due to extensive damage to hotels, guest houses, restaurants, bars, dive shops and other businesses, especially in Carriacou and Petite Martinique.



# The Human Impact

- In addition, Beryl's impact on agriculture affected the livelihoods of crop farmers, fishers, and livestock owners. The impact on livelihoods was especially high in Carriacou and Petite Martinique.
- The livelihoods of women and men will be impacted differently. Men will be more affected by job losses in agriculture and fishing since 16.4% of them are employed in this sector, compared to 4% of women.
- This is especially the case in Carriacou and Petite Martinique where fishing, agriculture and boat building are the mainstays of the local economy.
- Women in Grenada tend to work in tourism and related jobs, with 17.4% of them employed in wholesale / retail trade, and 12.3% in accommodation and food services.



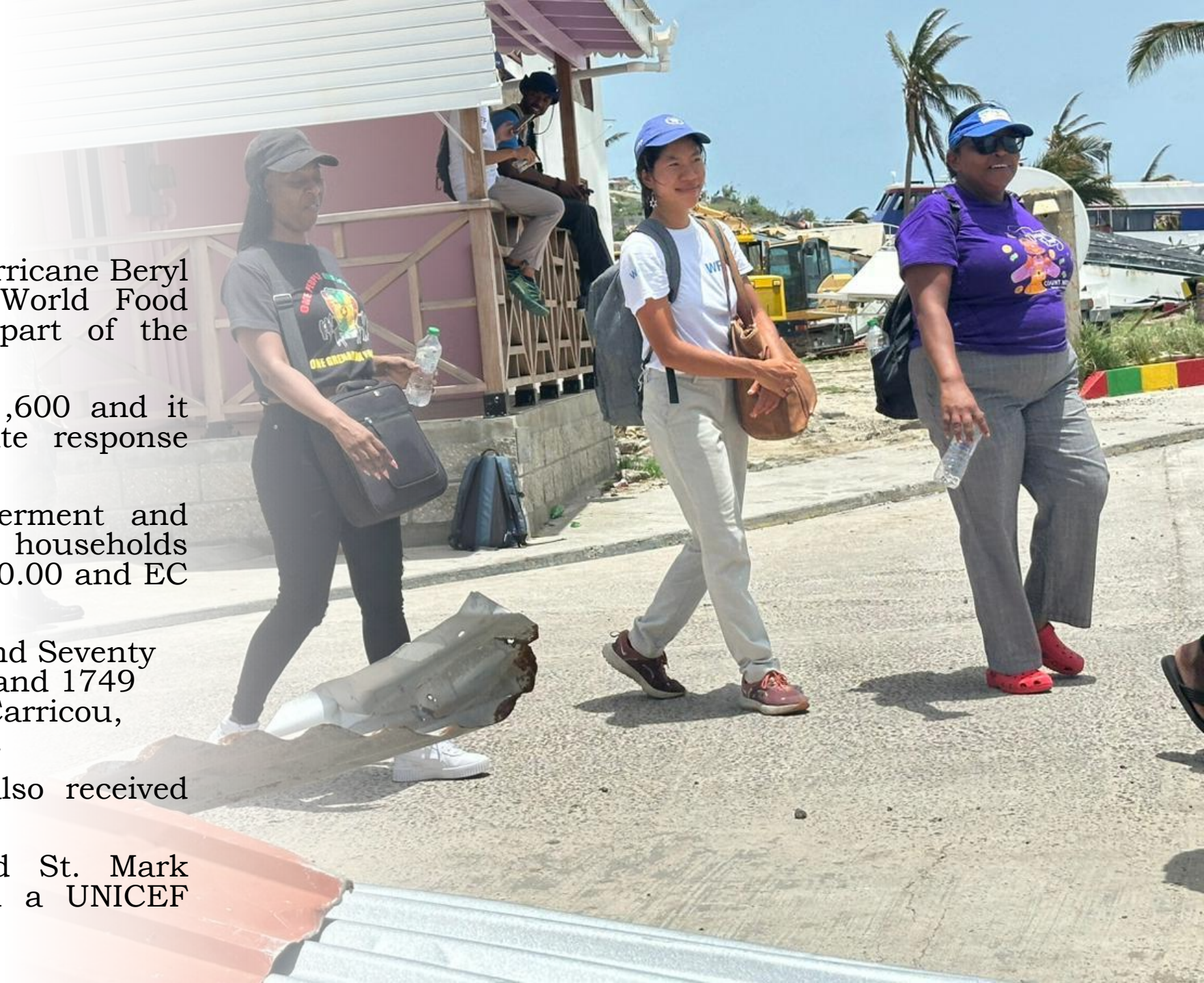
# The Human Impact

- **FOOD INSECURITY:** The prevalence of severe food insecurity in Grenada is 5.8%, while the prevalence of moderate or severe food insecurity is 20%.
- Based on this data, it is estimated that 18,767 people (20% of population) are moderately or severely food insecure in the areas affected by Beryl, and 5,442 people (5.8%) are severely food insecure, with St. George and St. Andrew being home to the majority.
- Households affected by Beryl suffered multiple deprivations in their living conditions with negative consequences for multidimensional poverty and human development in Grenada.
- An estimated 6,353 people in total had their homes damaged or destroyed as a result of Hurricane Beryl.



# SOCIAL PROTECTION RESPONSE

- The Ministry benefited for the Hurricane Beryl Relief Grant Funds from the World Food Program (WFP) which formed part of the Ministry's response.
- The grant received was EC\$271,600 and it was given to support immediate response efforts.
- Support for Education Empowerment and Development (SEED) beneficiary households received a cash top-up of EC \$330.00 and EC \$770.00
- Three Thousand Four Hundred and Seventy Four 3,474 people (1725 females and 1749 males) benefited from the grant (Carricou, Petite Martinique, and St. Patrick).
- Beneficiaries from St. Patrick also received assistance from the same grant.
- Beneficiaries in St. John, and St. Mark received the same benefit from a UNICEF grant support.



# REALLOCATION OF THE ELDERLY & FAMILIES

- The Top Hill Elderly Care Home was significantly damaged in the hurricane, as a result the residents of the home were relocated to the mainland.
- Subsequent to their relocation it was determined that the Ministry needed to expand its response to accommodate more of our elderly citizens, bearing in mind their high level of vulnerability.
- To date fifty-one (51) elderly have been relocated to ten (10) different locations on the mainland.
- Additionally, to date six (6) families/twenty-three (23) individuals have also been relocated to the mainland. Accommodation and all other needs are being taken care of by the Ministry.



# PSYCHOSOCIAL RESPONSE

- Six 6 clinical therapists, Six 6 social workers, (Ministry of Social Development), two (2) guidance counselors (Ministry of Education), and (6) volunteers from non-governmental organizations formed a 20-member Psychosocial response team which provided psychosocial support to Carriacou and Petite Martinique.
- The main objective was to promote psychological well-being after Beryl, using various disaster-mental health interventions to safeguard against post-disaster mental health issues.
- The intervention method use was Psychological First Aid (PFA) & Trauma Informed Care Counselling.
- Interventions were conducted with the staff of the National Emergency Operation Centre, Police Officers, Nurses, Airport Staff, Elderly Homes, Emergency Shelters, community interventions, direct individual interventions etc.
- Additionally, dignity kits were donated by UNFPA and distributed by Gender Based Violence Officers to beneficiaries in Carriacou and Petite Martinique.



# EARLY CHILDHOOD RESPONSE

- The Ministry of Social and Community Development, Housing and Gender Affairs has established a partnership with UNICEF to support the Early Childhood Unit in Carriacou and Petite Martinique, which was severely impacted by Hurricane Beryl.
- The Ministry has secured a grant of eight thousand United States dollars EC \$21,360.00 (\$8,000 USD) to expand the unit's reach and impact, to benefit a greater number of children in need of essential care and support.
- The Ministry procured age-appropriate educational materials such as posters, Early Childhood Development kits, activity books, and soft toys to create a stimulating and comforting environment for the children.



# Caribbean Catastrophe Risk Insurance Facility

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The Government of Canada and the Caribbean Development Bank, through the Canada-CARICOM Climate Adaptation Fund (CCAF), have provided funding to seven Caribbean governments.

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This funding aims to increase the coverage levels under their CCRIF policies, with a focus on improving their social protection systems to be more shock responsive in the event of a disaster caused by tropical cyclones or excess rainfall. CCRIF is the Caribbean Catastrophe Risk Insurance Facility, which is triggered in the event of a national disaster.

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The funds will be used to expand the “WFP-CCRIF Social Protection Top-up Model”, spearheaded by the United Nations World Food Programme (WFP) and the Government of Grenada.

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10.49% of the CCRIF policy benefit is designated to Social Protection response, which is estimated to be EC \$11,205,066.40 (US \$4,196,654.08)



# Beryl Relief Income Support Programme

- 
- The WFP-CCRIF Social Protection response effort is structured into a project called BRISP.
  - Beryl Relief Income Support Programme (BRISP) aims at providing unconditional income support to households whose income were affected by Hurricane Beryl in the islands of Carriacou, Petite Martinique, and the northern parishes of Grenada namely St. Patrick, St. Mark, St. John and parts of St. Andrew for a period of six months.
  - The Ministry along with the WFP conducted a series of consultations to determine the required interventions needed to provide support to the population affected by Beryl.
  - The programme is expected to allow the beneficiary households to meet their basic monthly needs, remain above the poverty line, and avoid resorting to negative coping strategies (like skipping meals, resorted to illegal activities, removing children from schools etc.).

# Beryl Relief Income Support Programme

- The programme is proposed to run for 6 months, to allow sufficient time for households to recover from economic loss.
- The transfer value received will be tailored to the composition of the household, so that larger households are not disadvantaged.
- An assessment tool was developed to assess the socio-economic situation of the households and establish prioritizations of households. This is being done to ensure that the “most vulnerable” households receive the benefit first.
- The demographics of the household which will be given priority will be the members of the households who are mentally ill, chronically ill, people with a disability, pregnant women lactating mothers, children and elderly.
- Factors of consideration includes socio-economic situation of the household prior to the hurricane, employment situation of adults, sector of employment, dependency ratio, assets owned and lost.

# Beryl Relief Income Support Programme

- **Training:** Five training and refresher sessions in mainland Grenada, Carriacou and Petite Martinique were conducted.
- These interventions ensured that 78 staff and volunteers from the MOSD and WFP partners developed the necessary knowledge and skills on the use of social protection in emergencies and communicated the formal application process developed for the roll out of the BRISP programme.
- The sessions also walked persons using the technical tools for data collection such as Kobo platform that will be used in the registration phase of the programme.
- Applications were launched on 18 November 2024 until 20 Dec 2024.
- First distribution cycle started effective January 2025

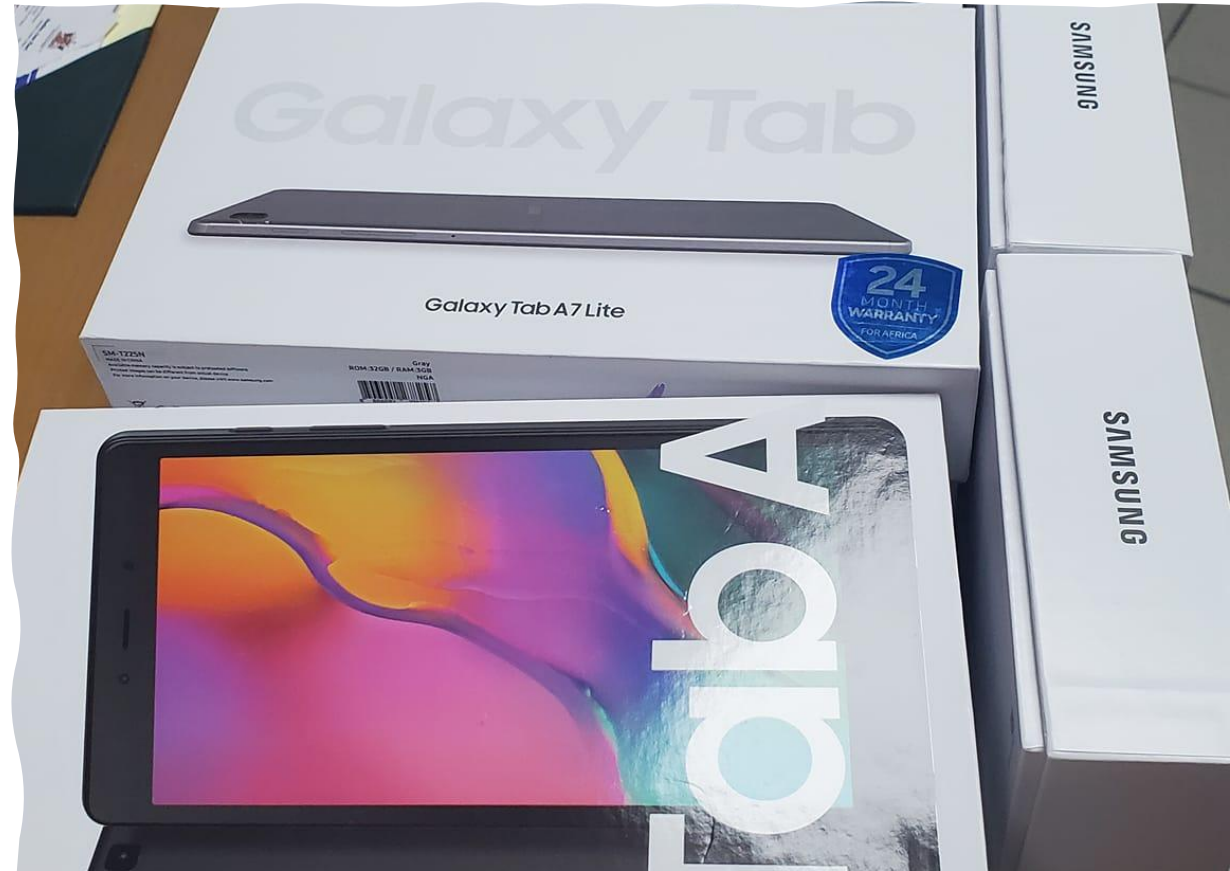
# KOBO SOFTWARE



- **KOBO:** The data for BRISP is being managed by Kobo. Kobo is an intuitive, powerful, and reliable software used to collect, analyze, manage data, monitoring, evaluation, and research.
- 40 tablets was donated by to facilitate the data collection process.

## Application modes:

- Through application throughout the impacted areas
- Through phone registration (hotline)
- Through door to door for persons who are not mobile



# KOBO SOFTWARE

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Benefits of using Kobo include:

- It is a flexible intuitive software that is relatively easy to operate and understand
- One single platform provides a holistic view of household conditions
- This reduces household assessment fatigue
- Analysis and reporting is much easier than traditional methods





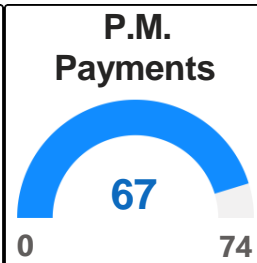
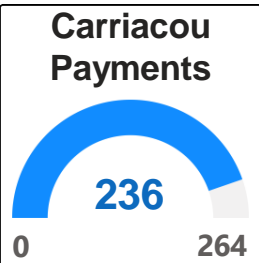
# BRISP Distribution Dashboard



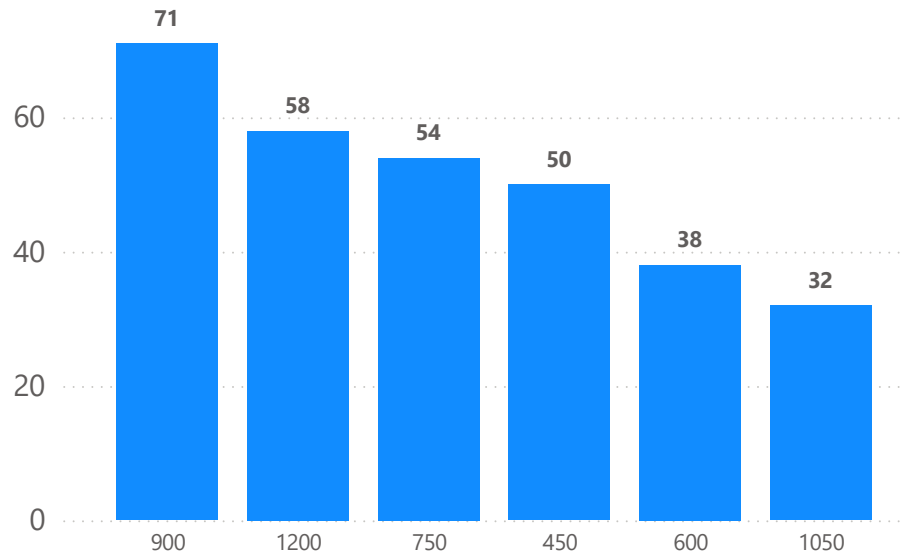
Friday, 07 February 2025

## PAYMENTS

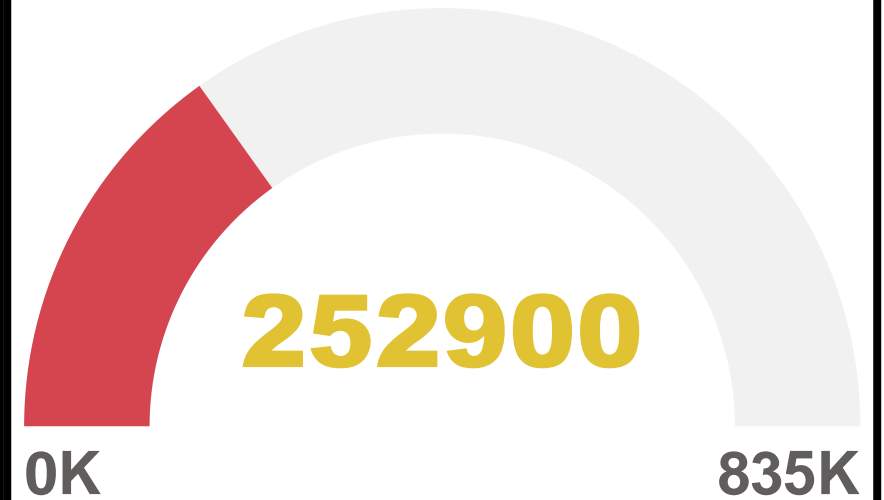
Total Number of Payments Made to Date



## Number of Payments by Value



## Total Value of Payments



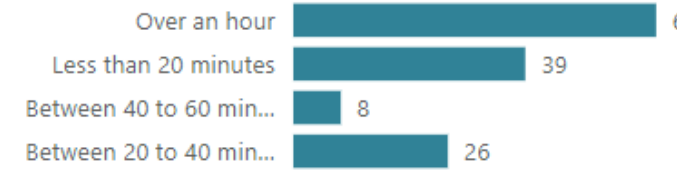


# HURRICANE BERYL 2024 | Grenada Emergency Response

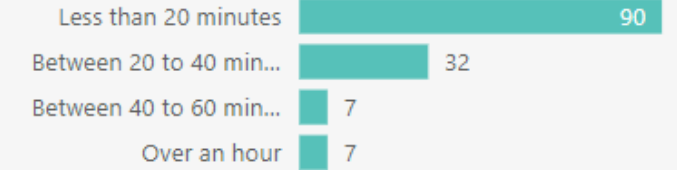
Emergency Relief Cash Social Protection One Time Top Up  
 Carriacou and Petite Martinique (25-26 July, 2-9 August 2024)  
 St Patrick's (28-30 August 2024)



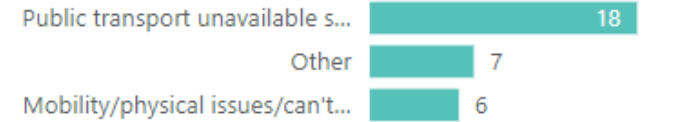
How long did you have to wait to collect your assistance today?



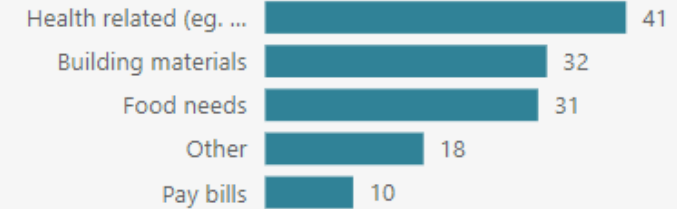
## Travel time



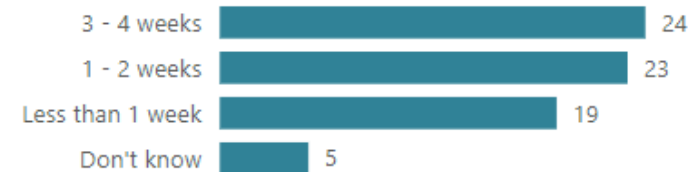
## Challenges faced



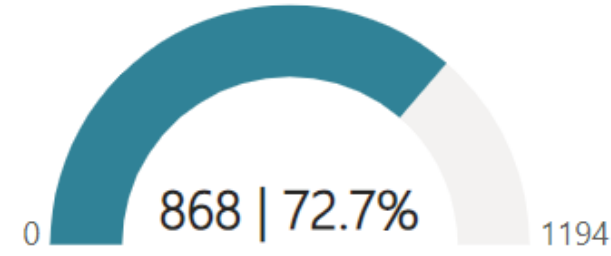
## Main spend



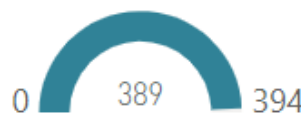
For how long do you think the extra XCD 700 will support your household's food needs?



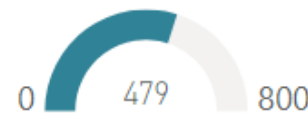
## Total number of beneficiaries supported



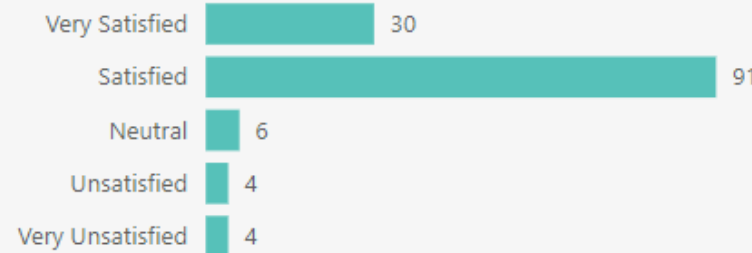
### Carriacou&PM



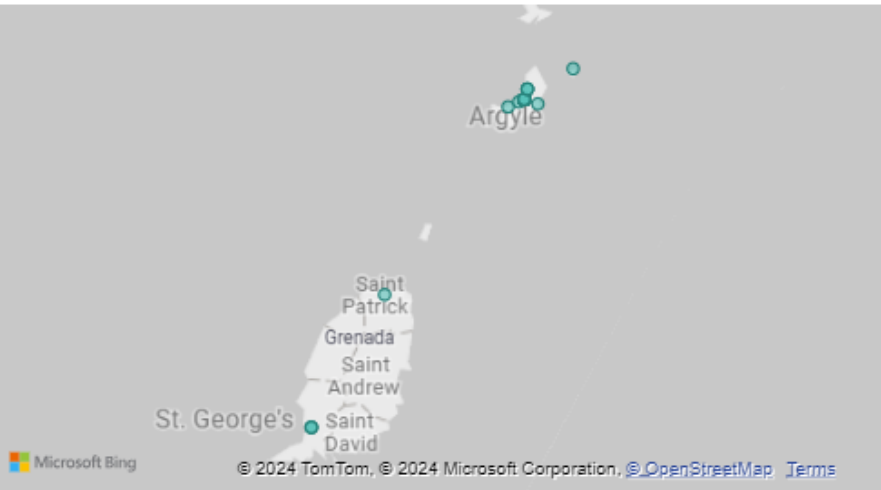
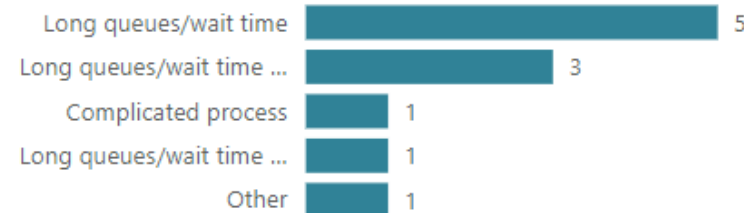
### # Saint Patrick's



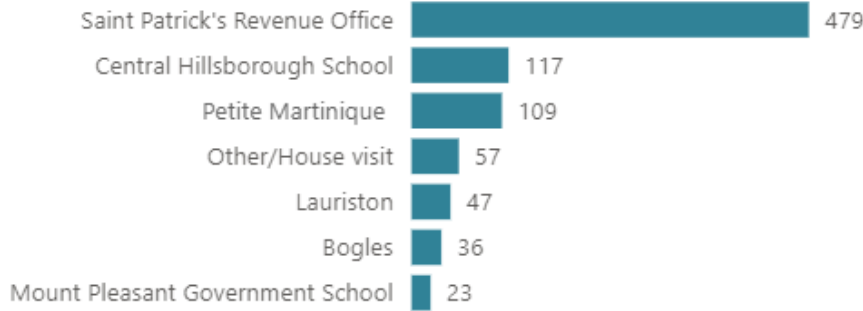
## Overall satisfaction



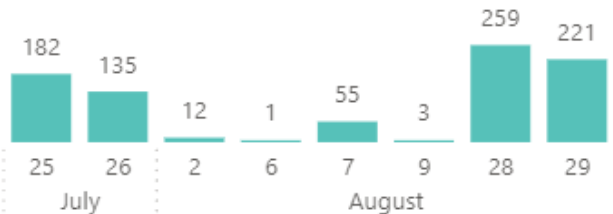
## Why were you unsatisfied?



## Distribution Locations



## Date



\*Note



# BRISP Application Monitoring Dashboard



Friday, January 03, 2025

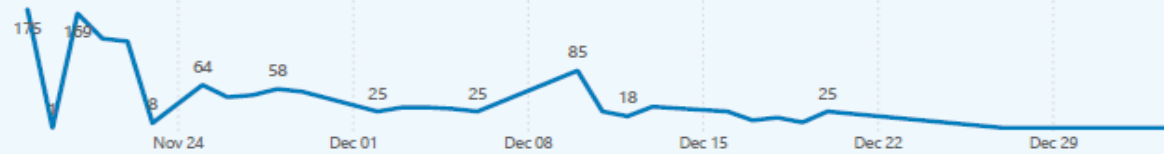
Number of Applications Received

1.274K

Number of Days of Data Collection

27

Number of Applications by Date



Number of Applications by Parish

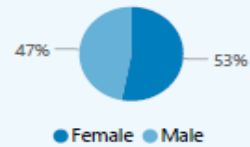


## Demographics

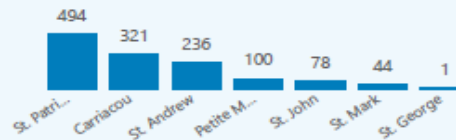
54

Average Age of Applicant

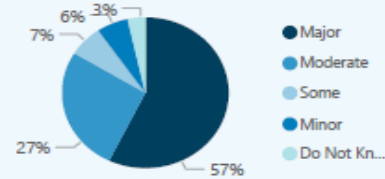
Sex of Applicant



Applicants' Parish of Residence before Beryl



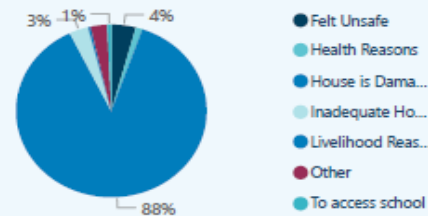
Impact on Income of Main Income Earner



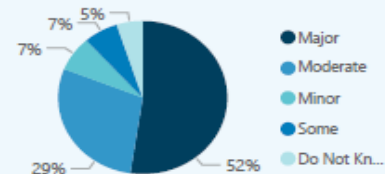
Applicants' Current Parish of Residence



Households Relocation



Impact on Household Income



927

Chronic Illness

260

Persons with Disabilities

81

Pregnant or Lactating Women

1480

Children

# Programme Design

## Screening criteria:

- 1. Geographic:** households in Carriacou, Petite Martinique, or the impacted areas of the following districts of Grenada: Saint Mark, Saint Patrick, Saint John and Saint Andrew.
- 2. Income related:** the household, that, as a result of hurricane Beryl, has experienced a significant income loss and whose household composition has an overall income below the poverty line.
- 3. Assistance Related:** Households not receiving other forms of benefits under Social Protection including Unemployment benefits and assistance under fisheries/farmers' and agricultural projects



Eligibility Criteria

## Vulnerability criteria:

The **socio-economic situation** of the household prior to the hurricane: employment situation of adults, sector of employment, dependency ratio, displacement status; etc...

The **demographics** of the household: size, dependency ratio, members of the households are mentally ill, chronically ill, people with a disability, pregnant women and lactating mothers, children, elderly etc...



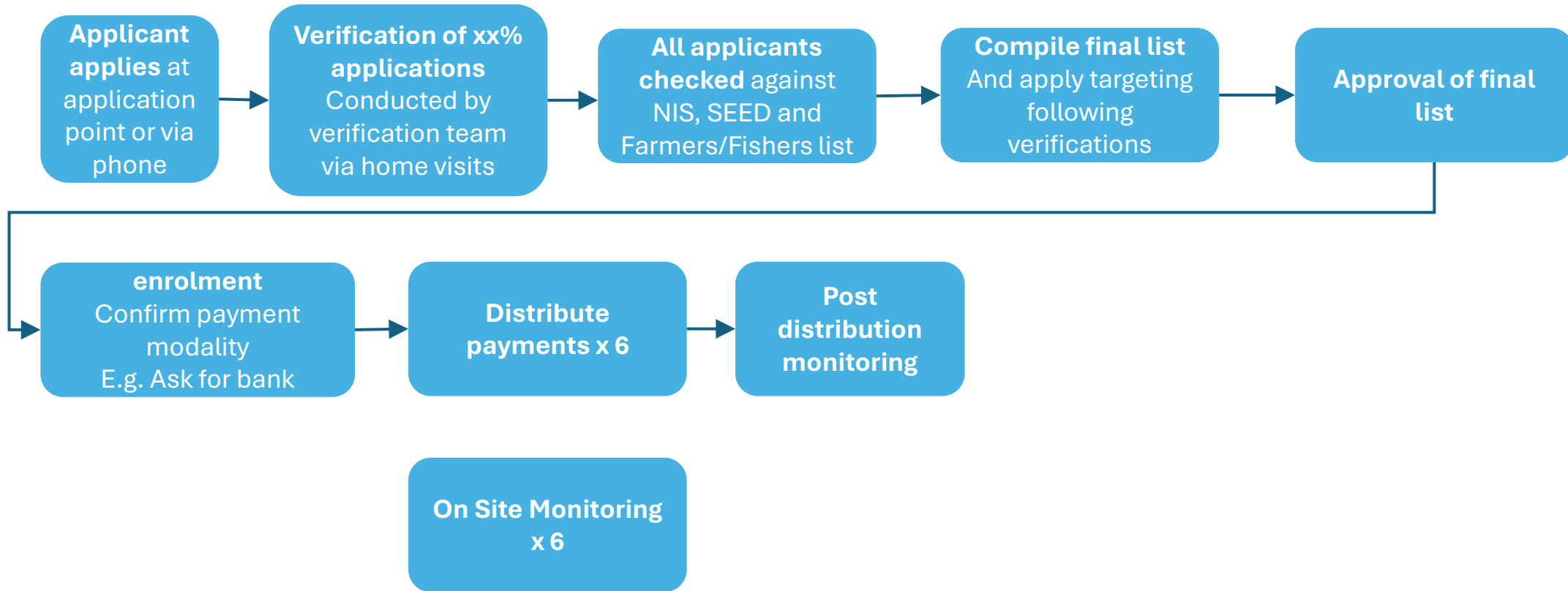
« Vulnerability » Criteria

# Programme Design

- Because of the disparity in household sizes, it was suggested that the programme be tailored to household composition to ensure needs of all members are covered
- Poverty line: 7179 EC\$ year (EC\$ 598 monthly for 1 adult)
- Reduction of support amount over time to lower dependency → exit strategy
- First adult : EC\$ 600
- Additional member: adding at least 1/3 of poverty line amount

# member	Poverty line adjusted for Hnumber of HH members reference amount	1 <sup>st</sup> three months (coverage 75.00%)	Last three months (coverage 50.00%)
1	EC\$600.00	EC\$450.00	EC\$300.00
2	EC\$800.00	EC\$600.00	EC\$400.00
3	EC\$1,000.00	EC\$750.00	EC\$500.00
4	EC\$1,200.00	EC\$900.00	EC\$600.00
5	EC\$1,400.00	EC\$1,050.00	EC\$700.00
6	EC\$1,600.00	EC\$1,200.00	EC\$800.00

# BRISP FLOW CHART





THANK YOU

White Isle Carriacou