

**Table 1***Demographics for Participating Students*

		High School					
		Charlotte Amalie High School		Ivanna Eudora Kean High School		Total	
		N	Percentage	N	Percentage	N	Percentage
On which island do you live?	St. Thomas	22	100	41	93.2	63	95.5
	St. John	0	0	3	6.8	3	4.5
Total		22	100	44	100	66	100
Currently in grade?	11th Grade	5	22.7	16	36.4	21	31.8
	12th Grade	17	77.3	28	63.6	45	68.2
Total		22	100	44	100	66	100
Sex	Male	6	27.3	18	40.9	24	36.4
	Female	16	72.7	26	59.1	42	63.6
Total		22	100	44	100	66	100
Current Age	15	1	4.5	0	0	1	1.5
	16	3	13.6	9	20.5	12	18.2
	17	13	59.1	20	45.5	33	50
	18	5	22.7	12	27.3	17	25.8
	19	0	0	3	6.8	3	4.5
Total		22	100	44	100	66	100
Race/Ethnicity <sup>a</sup> :	White or Caucasian	1	4.5	0	0	1	1.5
	Black or African American	19	86.4	43	97.7	62	93.9
	Hispanic or Latino	2	9.1	1	2.3	3	4.5
	Total	22	100	44	100	66	100

a. None of the other listed choices (Asian or Asian American, American Indian or Alaska Native, Native Hawaiian or other Pacific Islander or Other) were identified in the sample.

**Table 2***Demographics for Participating High School Teachers*

		High School					
		Charlotte Amalie High School		Ivanna Eudora Kean High School		Total	
		N	Percentage	N	Percentage	N	Percentage
On which island do you live?	St. Thomas	24	100	14	100	38	100
	St. John	0	0	0	0	0	0
Total		24	100	14	100	38	100
Gender	Male	7	29.2	2	14.3	13	34.2
	Female	17	70.8	12	87.7	25	65.8
Total		24	100	14	100	38	100
Age Group	25-34	3	12.5	0	0	3	7.9
	35-44	5	20.8	4	28.6	9	23.7
	45-54	7	29.2	3	21.4	10	26.3
	55-64	8	33.3	7	50	15	39.5
	65 and over	1	4.2	0	0	1	2.6
Total		24	100	14	100	38	100
Race/ Ethnicity <sup>a</sup> :	White or Caucasian	0	0	2	14.3	2	5.3
	Black or African American	20	83.3	8	57.1	28	73.7
	Hispanic or Latino	2	8.3	0	0	2	5.3
	Asian or Asian American	0	0	3	21.4	3	7.9
	Another race	2	8.3	1	7.1	3	7.9
	Total		24	100	14	100	38
Marital Status:	Single, Never Married	8	33.3	3	21.4	11	28.9
	Married	10	41.7	7	50	17	44.7
	Divorced	6	25	4	28.6	10	26.3
Total		24	100	14	100	38	100
Education:	High School Graduate	1	4.2	0	0	1	2.6
	Some College	0	0	1	7.1	1	2.6
	College Graduate	8	33.3	3	21.4	11	28.9
	Graduate/ Professional Degree	15	62.5	10	71.4	25	65.8
Total		24	100	14	100	38	100

a. None of the other listed choices (American Indian or Alaska Native or Native Hawaiian or other Pacific Islander) were identified in the sample.

**Table 3***Presence of Lingering PTSD Among High School Student By Gender*

	Male		Female		Total	
	N	Percentage	N	Percentage	N	Percentage
<b>Overall PTSD:</b>						
No PTSD (CPSS Score < 12)	18	94.7	28	70	46	78
<b>PTSD (CPSS Score &gt;=12)</b>	<b>1</b>	<b>5.3</b>	<b>12</b>	<b>30</b>	<b>13</b>	<b>22</b>
<b>PTSD Subscales:</b>						
No re-experiencing PTSD	20	100	35	87.5	55	91.7
<b>Re-experiencing PTSD</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>12.5</b>	<b>5</b>	<b>8.3</b>
No Avoidance	18	94.7	21	52.5	39	66.1
<b>Avoidance</b>	<b>1</b>	<b>5.3</b>	<b>19</b>	<b>47.5</b>	<b>20</b>	<b>33.9</b>
No Hyperarousal	16	84.2	26	65	42	71.2
<b>Hyperarousal</b>	<b>3</b>	<b>15.8</b>	<b>14</b>	<b>35</b>	<b>17</b>	<b>28.8</b>

Note: Measures of PTSD in the overall scale and subscales are bolded

**Table 4**

*Presence of Lingering PTSD Symptoms (based on CPSS Score) Among High School Students by Damage Sustained from Cascading Hurricanes*

		Cross Tabulation									
		Was your home, house or apartment damaged by hurricane Irma or Maria?									
		Yes, by one of the hurricanes		Yes, by both hurricanes		No, no damage		Don't know		Total	
		N	Percentage	N	Percentage	N	Percentage	N	Percentage	N	Percentage
PTSD (Overall)	No	9	75	19	70.4	16	88.9	2	100	46	78
	Yes	3	25	8	29.6	2	11.1	0	0	13	22
Total		12	100	27	100	18	100	2	100	59	100
PTSD Subscale: Re-Experiencing	No	11	91.7	24	85.7	18	100	2	100	55	91.7
	Yes	1	8.3	4	14.3	0	0	0	0	5	8.3
Total		12	100	28	100	18	100	2	100	60	100
PTSD Subscale: Avoidance	No	8	66.7	14	51.9	15	83.3	2	100	39	66.1
	Yes	4	33.3	13	48.1	3	16.7	0	0	20	33.9
Total		12	100	27	100	18	100	2	100	59	100
PTSD Subscale: Hyperarousal	No	8	66.7	18	66.7	15	83.3	1	50	42	71.2
	Yes	4	33.3	9	33.3	3	16.7	1	50	17	28.8
Total		12	100	27	100	18	100	2	100	59	100

**Table 5**

*Cross Tabulation of Lingering PTSD Symptoms Among High School Students By Delayed Graduation Status After Cascading Hurricanes and Lingering Agitation*

		Delayed Graduation					
		Yes		No		Total	
		N	Percentage	N	Percentage	N	Percentage
PTSD	No	4	66	42	79.2	46	78
	Yes	2	33.3	11	20.8	13	22
Total		6	100	53	100	59	100
Are you still bothered by the effects of Hurricanes Irma and/or Maria?							
PTSD	.00	9	56.3	37	86	46	78
	1.00	7	43.8	6	14	13	22
Total		16	100	43	100	59	100

**Table 6**

*Mean Scores for Core Elements of Risk Resilience Index for Students*

Core Element	n	Minimum	Maximum	M	SD
BRISC Negativity Bias	57	5.00	25.00	13.4035	5.89752
BRISC Emotional Resilience	57	5.00	24.00	17.4386	4.05329
BRISC SocialSkills	57	5.00	24.00	16.4035	5.14733

Note: BRISC means Mini Brief Risk-Resilience Index for Screening (Science of Behavioral Change (SOBC), 2020)

**Table 7***Student Coping Strategies (With or Without Lingering PTSD Symptoms)*

Coping Strategy	Overall Mean Score	N	With PTSD	N	Without PTSD	N	Difference in Score Between PTSD and No PTSD
Acceptance	5.3448	58	5.7273	11	5.1957	46	0.53
Self Distraction	4.6140	57	5.1818	11	4.4000	46	0.78
Active Coping	4.3898	58	5.1818	11	4.1277	47	1.05
Positive Reframing	4.3898	59	5.0000	11	4.1915	47	0.81
Religion	4.0508	59	3.9091	11	4.0426	47	-0.13
Used Emotional Support	3.6552	58	3.8182	11	3.5435	46	0.27
Planning	3.6102	59	4.6364	11	3.3404	47	1.30
Humor	3.5000	58	3.0000	11	3.5435	46	-0.54
Used Instrumental Support	3.2759	58	3.3636	11	3.2391	46	0.12
Self-Blame	3.1017	59	4.0000	11	2.8936	47	1.11
Venting	3.0169	58	4.1818	11	2.7234	47	1.46
Behavioral Disengagement	3.0000	58	4.5455	11	2.5870	46	1.96
Denial	2.8276	58	3.7273	11	2.587	46	1.14
Substance Use	2.1207	58	2.1818	11	2.1087	46	0.07

Note: The possible mean scores may range from 2 to 8.

**Table 8***Impact of the COVID-19 Pandemic on Student Coping, Thoughts, and Feelings Related to Hurricanes Irma and Maria*

a. How has the COVID-19 pandemic impacted your educational performance compared with the impact of the hurricanes on your educational performance?

		Frequency	Percent	Valid Percent
Valid	Worsened it a lot	16	24.2	28.6
	Worsened it somewhat	12	18.2	21.4
	No effect at all	17	25.8	30.4
	Improved it somewhat	4	6.1	7.1
	Improved it a lot	7	10.6	12.5
	Total	56	84.8	100
Missing	No response	10	15.2	
Total		66	100	

b. How has the COVID-19 pandemic impacted your coping with the effects from the hurricanes?

		Frequency	Percent	Valid Percent
Valid	Worsened it, a lot	9	13.6	16.1
	Worsened it, somewhat	9	13.6	16.1
	No effect at all	33	50	58.9
	Improved it, somewhat	4	6.1	7.1
	Improved it, a lot	1	1.5	1.8
	Total	56	84.8	100
Missing	No response	10	15.2	
Total		66	100	

c. Correlation: How has the COVID-19 pandemic impacted your coping with the effects from the hurricanes?

	1	2
CPSS	--	
How has the COVID-19 pandemic impacted your coping with the effects from the hurricanes?	-.329*	-

Note: This is a Spearman correlation between CPSS score and the level of impact (ranging from a scale of 1 (worsened it, a lot) to 5 (improved it, a lot). A negative coefficient means that the COVID-19 pandemic worsened the student's coping with the effects from the hurricanes.

\* $p < .05$ . (.014)

**Table 9***Presence of Lingering PTSD Symptoms Among High School Teachers by Gender*

	Male		Female		Total	
	N	Percentage	N	Percentage	N	Percentage
Overall:						
No PTSD (CPSS Score < 12)	4	57.1	15	75	19	70.4
<b>PTSD (CPSS Score &gt;=12)</b>	<b>3</b>	<b>42.9</b>	<b>5</b>	<b>25</b>	<b>8</b>	<b>29.6</b>
<b>PTSD Subscales:</b>						
No Re-Experiencing	7	100	17	81	24	85.7
<b>Re-Experiencing</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>19</b>	<b>4</b>	<b>14.3</b>
No Avoidance	5	62.5	18	90	23	82.1
<b>Avoidance</b>	<b>3</b>	<b>37.5</b>	<b>2</b>	<b>10</b>	<b>5</b>	<b>17.9</b>
No Hyperarousal	6	75	15	71.4	21	72.42
<b>Hyperarousal</b>	<b>2</b>	<b>25</b>	<b>6</b>	<b>28.6</b>	<b>8</b>	<b>27.6</b>

**Table 10***Presence of Lingering PTSD (based on CPSS Score) Among High School Students Based on Relocation Due to Cascading Hurricanes*

		Did you have to move because of damage or loss from the hurricanes?					
		Yes		No		Total	
		N	Percentage	N	Percentage	N	Percentage
PTSD	No	6	60	14	77.8	20	71.4
	Yes	4	40	4	22.2	8	28.6
Total		10	100	18	100	28	100
PTSD Subscale: Re-Experiencing	No	8	80	17	89.5	25	86.2
	Yes	2	20	2	10.5	4	13.8
Total		10	100	19	100	29	100
PTSD Subscale: Avoidance	No	7	70	16	84.2	23	79.3
	Yes	3	30	3	15.8	6	20.7
Total		10	100	19	100	29	100
PTSD Subscale: Hyperarousal	No	5	50	17	85	22	73.3
	Yes	5	50	3	15	8	26.7
Total		10	100	20	100	30	100



**Table 11**

*Descriptive Statistics for Core Elements Scores of Risk Resilience Index for Teachers*

	n	Minimum	Maximum	M	SD
BRISC_Negativity Bias	30	5	24	11.5667	4.95277
BRISC_Emoational Resilience	30	5	25	17.0000	3.59118
BRISC_Social Skills	30	5	25	18.3667	5.22252

Note: BRISC means Mini Brief Risk-Resilience Index for Screening (Science of Behavioral Change (SOBC), 2020)

**Table 12**

*Top Five Coping Strategies Used by Teachers*

Coping Strategy	Overall Mean Score
Religion	5.9259
Acceptance	5.6538
Active Coping	5.2963
Positive Reframing	5.1923
Planning	4.8519

Note: The possible mean scores may range from 2 to 8, and N=27.

**Table 13**

*Impact of the COVID-19 Pandemic Teachers' Coping with the Effects from Hurricanes Irma and Maria*

How has the COVID-19 pandemic impacted your coping from the effects from the hurricanes?		Frequency	Percent	Valid Percent
Valid	Worsened it, a lot	1	2.6	4.2
	Worsened it, somewhat	8	20.5	33.3
	No effect at all	11	28.2	45.8
	Improved it, somewhat	2	5.1	8.3
	Improved it, a lot	2	5.1	8.3
	Total	24	61.5	100
Missing	No response	14	38.5	
Total		38	100	