

Enhancing Personal Decision Making During and After a Hurricane to Preserve Wellness: The Creation of a System of Information for First Responders

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Abstract

During 2017 Hurricane Maria destroyed the island of Puerto Rico. Most of the damage and loss of the people were due to the poor preparation and decision making of individuals. The concept of the iWiLL application is to aid in individual decision-making during emergencies. In the application, the user has the option of choosing an event under different categories that has occurred to him/her or their surroundings during and after a hurricane. After, the application will provide some recommendations so that the individual can make a sound decision. To be able to quantify and observe the wellness of the user in the application, the team developed a calculation for wellness. This is seen as a maximized inventory by taking into consideration detrimental effects, meaning reducing an individual's wellness, and restorative actions, which mean choosing a solution for the situation presented. The user then has the option to share the information which will be sent via the ViSER website to first responders so that they can aid users for each of the individual situations that are present.