

Story Methodology

This data story examined the link between evacuation center placement and flood risk in Metro Manila. To achieve this, we obtained the [latest evacuation center data](#) from the Department of the Interior and Local Government – which appeared incomplete – and supplemented it with [2021 data](#) from the Office of Civil Defense (OCD). Capacity information from these lists is incomplete, limiting our analysis to the evacuation center-to-population ratio.

Flood susceptibility data, categorized into low, medium, high, and very high zones, were acquired from [HazardHunterPH](#). Using spatial software and Google Sheets, spatial analysis was conducted to pinpoint the intersection between evacuation centers and their corresponding flood susceptibility category.

We also acquired [typhoon impact](#) data from the OCD via the eFOI portal. Data on disaster risk reduction and management spending by local government units in Metro Manila came from the [Commission on Audit](#) special audit report. However, values for some years, particularly 2020, were unavailable due to potential reallocation in response to the COVID-19 pandemic. Population data for Metro Manila was sourced from the [Philippine Statistics Authority](#).

Interviews with Marikina residents who experienced flooding during Typhoon Odette and Typhoon Ulysses provided valuable anecdotal evidence. Additionally, insights were gathered from private and public sector officials through hybrid interviews. Other information used in the story was corroborated through desk research. Data cleaning and analysis can be accessed [here](#).

This story was a result of collaboration between the author, and the data and story mentors from Thibi, Thet Win Htut and Aika Rey, respectively.