Data-Driven response planning is finally accessible to planners without the need for GIS or computer programming expertise!

"Plans are useless, but planning is indispensable."
- General and President Dwight D. Eisenhower

RE-PLAN emphasizes the planning process by enabling planners to continuously update plans to respond to unfolding conditions.

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RE-PLAN Features and Examples

The choice of POD locations must be based on population data. Where people live in dense clusters, multiple PODs should be positioned in a small geographic area.


- POD Locations
- Equal Population Catchment Areas
- Minimized Distance Catchment Areas

RE-PLAN uses population data at the individual or household level to make it easy to:

- Determine the number of PODs needed for a region.
- Choose POD locations from a list of available facilities.
- Allocate SNS and personnel across chosen PODs to complete dispensing within time limits.
- Assign an equal population to each POD location.
- Minimize the distance the population must travel.
- Examine POD facilities without leaving the office by automatically linking to Google Earth’s 3D imagery.
- Identify vulnerable and at-risk populations to minimize access disparities including:
  - Lack of access to transportation.
  - Inability to communicate in English.
  - Special needs related to age.
- Analyze traffic resulting from plan activation.

RE-PLAN was created at the Center for Computational Epidemiology and Response Analysis (CeCERA).

For more information, visit re-plan.unt.edu or email re-plan@unt.edu