Akros has operationalized GRID3 maps, as described below, by putting them into the hands of district planners making resource allocation decisions.

Reveal is an open-source platform that uses spatial intelligence to drive the delivery of life-saving interventions, ensuring no one is missed. Field teams and managers rely on Reveal’s detailed household and community maps, protocols, and data-collection and analysis platform for decision support to plan, implement, and adjust interventions so they achieve the greatest impact.

In a new phase of growth, Akros is integrating GRID3 (Geo-Referenced Infrastructure and Demographic Data for Development) settlement data into the Reveal platform.

Reveal users will be able to select GRID3 maps in the Reveal planning module in order to guide decision support, target interventions, and calculate resource requirements for implementation. In the field, data collectors will use the Reveal mobile application to capture data from each village against set targets. Managers will visualize these data on real-time spatial dashboards.

In Zambia, the primary malaria prevention interventions are indoor residual spraying and bednet distribution. Officials use annual planning sessions to determine where to apply these interventions. However, available population data are not geographically explicit. Having settlement maps showing population distribution and features can greatly improve these planning processes.

Akros has operationalized GRID3 maps, as described below, by putting them into the hands of district planners making resource allocation decisions.

**Operationalize Maps**

- Led district engagement and feedback process to ensure maps are deployed in the most useful format for district planning.
- Developed step-by-step process to guide district teams during microplanning.
- Assisted districts to use maps to match resources with intervention needs.
- Piloted maps for vector control planning, now scaling to 116 districts.
These actions are anticipated to lead to the following outcomes:

- Ensure that there are enough resources to protect residents from malaria.
- Validation of traditional resource estimation methods (CSO data, village headcounts) in comparison to GRID3 maps.

**REVEAL WORKFLOW WITH GRID3 DATA: DECISION SUPPORT**

1. Field data collected during campaign (REVEAL)
2. Field campaign (REVEAL)
3. Micro planning (REVEAL)
4. GRID3

**DECISION SUPPORT IN THE WORKS**

Spatial data products represent an exciting area of growth for public health. Akros will continue to work toward bringing geospatial intelligence to "the ground" through operational strategies, ensuring resource requirements are aligned, and linking location-based data products to service delivery through Reveal. This is one of the ways Akros and Reveal are guiding precision public health strategies for decision support around important health interventions.

NEXT STEPS: REVEAL + GRID3

- Understand accuracy of reported intervention coverage from previous years: GRID3 population data will be used as denominators to assess intervention coverage levels of previous years' IRS campaigns.