







of STREAM chlorine production and Packaging Services in County Hospitals, Kisumu County, Kenya



Design and Test Chlorine Production, Packaging and Distribution Services in County Hospitals

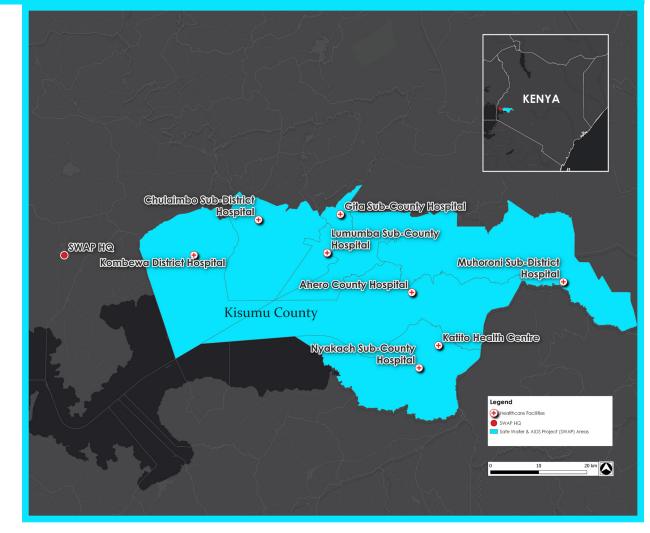
- the hub-and-spoke distribution model.

Evaluation of STREAM Chlorine Shelf-life – Chlorine Degradation

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- days.
- life for more than 6 months.







Established STREAM chlorine production and packaging service centers in 8 hospitals in Kisumu County. Chlorine service centers (Hubs) supply their hospital, and a network of lower level healthcare facilities (spokes). STREAM chlorine produced directly from the system maintains concentration for at least 3 weeks, thereby supporting

In partnership with Ahero County Hospital and Katitu Sub and Centers for Disease Control and Prevention.

Evaluated whether STREAM chlorine produced by hospitals had adequate shelf life to justify use.

Tested chlorine for free available chlorine (FAC) using N,N-diethyl-p-phenylenediamine at irregular intervals up to 176

Chlorine production with STREAM proved feasible in hospitals with a shelf-life of greater than 3 weeks. If STREAM oxidant concentration needs to be maintained longer, then buffering with sodium hydroxide to pH 12 extends shelf