Purposive selection of study districts with high VL incidence in 4 study sites of India, Bangladesh, Nepal1, Nepal2

Purposive selection of 4 large study villages based on VL incidence in each site.

Sub-division of villages into hamlets/neighbourhoods with 50-100 houses each.

Random selection of 6 hamlets (clusters) in each village (24 clusters per site).

Random selection of 5 households in each clusters for entomological survey (120 households per site).

Vector density measured with CDC light traps over 2 nights in each household.

Random allocation of clusters with similar vector densities to intervention and control arms (6 clusters per arm per site).

6 clusters to LLINs
6 clusters to IRS
6 clusters to EVM
6 clusters to Control

Vector density measurements with CDC light traps per night (per house) in every sample household (baseline and 5 months follow-up).

Fig 1 Flow chart of study implementation in each site