# Whole Game 2: Malaria and Mosquito Nets

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- Specify causal question (e.g. target trial)
- 2 Draw assumptions (causal diagram)
- 3 Model assumptions (e.g., propensity)
- 4 Diagnose model (e.g., balance)
- 5 Estimate causal effects (e.g., IPW)
- 6 Sensitivity analysis

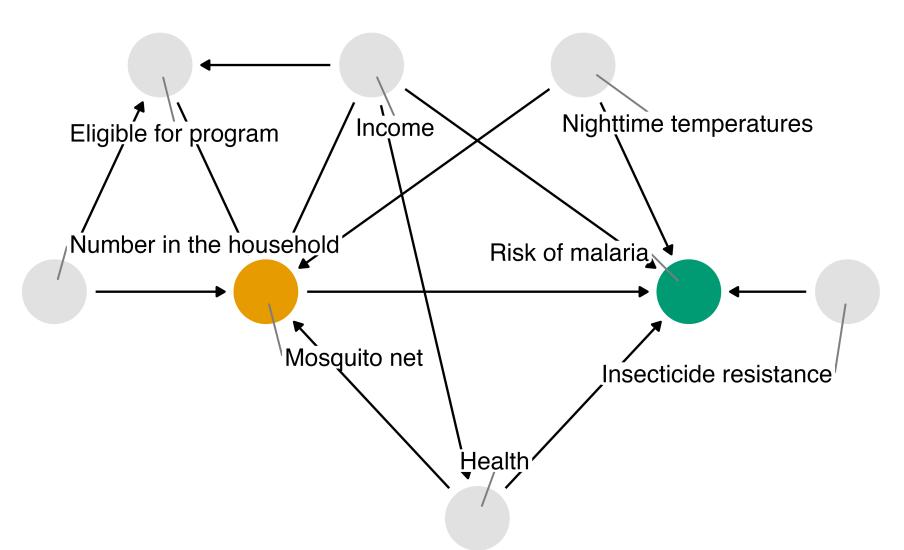
## Does mosquito bed net use reduce malaria risk?

#### The Data

library(causalworkshop)

net data # A tibble: 1,752 × 10 net num malaria risk income health household id net <int> <lq1> <int> <dbl> <dbl> <dbl> <dbl> 779 1 FALSE 38 35 1 2 FALSE 48 700 35 3 FALSE 32 1083 58 4 FALSE 55 753 68 5 FALSE 36 919 46 6 FALSE 30 969 37 7 FALSE 29 1012 58 8 FALSE 45 708 30 9 FALSE 51 733 18 10 FALSE 42 862 64 10

#### **Proposed DAG**



Thanks to Andrew Heiss for the data!

### Your Turn!