Countries I’m interested in:

* Cambodia
* Chile
* Thailand
* Netherlands
* France
* Spain

Values I’m interested in:

* Transmission parameters
  + Probability of increased transmission risk (proportion with multiple partners or reporting high risk sex; proportion of condomless sex)
  + Proportion of sexual partners in other age/sex strata
  + Maternal-fetal transmission rate
* Cascade rates
  + Annual testing rate
  + Annual rate of engagement in care (starting ART)
  + Annual rate of disengagement from care (stopping ART)
  + Annual rate of suppression among unsuppressed
  + Annual rate of viral rebound among suppressed

Values I’m not going to change:

* Relative risk of transmission for diagnosed vs undiagnosed HIV
* Excess mortality rate among PWH with unsuppressed HIV

Values we can use:

* Direct rate (need to be given a time period, e.g., testing rate per 12 months)
* Probability of event occurring (need to be given a time period, e.g., probability of starting ART in one year)
  + Can convert from a probability to a rate via:
    - Prob = 1 – e^(rate\*time)
    - Rate = (-ln(1-prob))/time
* Time until event occurs (e.g., average time until viral rebound after becoming suppressed)
  + Can convert from a time to a rate via:
    - Rate = 1/time