***Research Questions Activity – Part 1***

**Monday, Jan 8: 10:30am-10:50 am**

**10:30-10:35am: Ask,** audience for an example research question that could be modeled mechanistically related to infectious disease.

* Ex: mechanistic model: *how does the population prevalence of HIV impact the transmission rate of TB?*

**10:35-10:50am: Brainstorm** *mechanistic model on the board.*

Highlight *populations* in your system,

*states* that those populations can take and *processes* that describe how individuals can move between these states.

Highlight how some *processes* are dependent on various *states.*

Do not draw any boxes at this stage – just build on the framework.