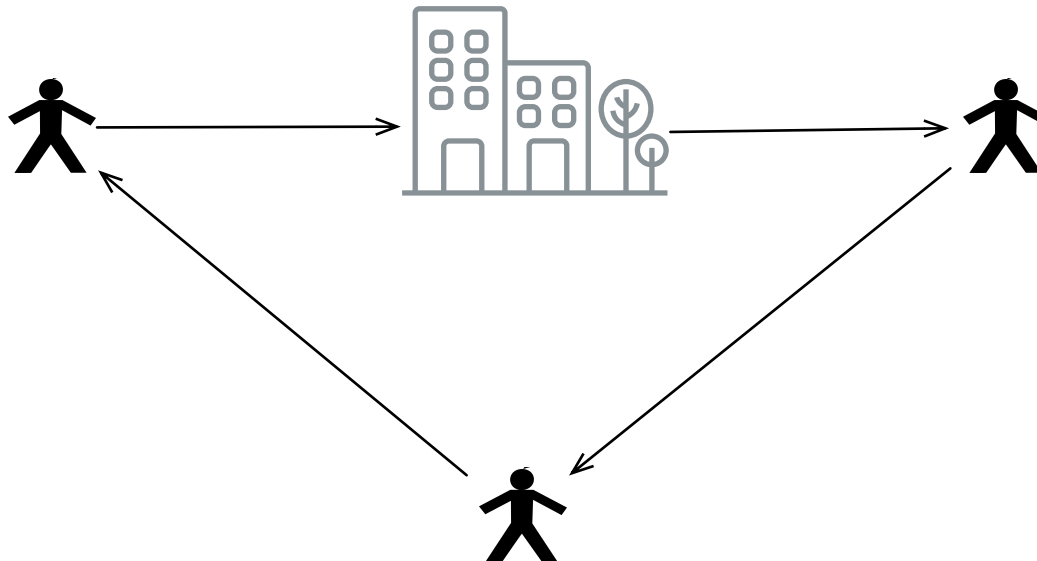


Stage 1. *Hazard* Allocation

Individuals visit different locations (homes, schools, shops, workplaces.). If they are infected they contribute to the *hazard* in the locations they visit.

Stage 2. *Exposure* Estimation

Individuals are exposed to a hazard from the locations that they visit. These exposures cumulate so contribute to their overall exposure score



Stage 3. *Disease Status* Estimation

Exposure scores are used, amongst other attributes, to estimate the new disease status for all individuals