### Details of Monte Carlo

1. Randomly generate a population size of 100,000 and assign each individual a unique ID.

2. Use the random() function to generate a random number for each individual.

3. Use the IF function to determine if the random number is less than 0.05 (set to 1 for infected, otherwise 0 for non-infected).

4. Use the random() function to generate a random number for each infected individual.

5. (A-K) with preset OR intervals of 1.4, 1.6, 1.7, 1.8, 3.3, 3.5, 3.7, 5.0, 6.0, 7.0, 12.0. Therefore, the IF function evaluates <0.42, then A is 0 (negative), otherwise 1 (positive). Similarly, evaluate B-K, with critical points of: 0.38, 0.37, 0.36, 0.23, 0.22, 0.21, 0.17, 0.14, 0.13, 0.077.

6. Use the RANDOMBETWEEN(0,1) function to generate random numbers for non-infected individuals.

7. Merge infected and non-infected individuals and sort them by ID number.