

AMSC/MATH 420, Spring 2015
Second Project on Modeling Epidemics: Uncertainty in Removal Parameters

The actual removal rates achieved by a given intervention are probably hard to predict in advance, so this group will consider the removal parameters to be chosen from probability distributions that are determined by the allocation of resources in a given intervention strategy. In addition to choosing appropriate probability distributions and an associated cost function, the team will also decide what quantity to minimize – this could be the *expected* number of people who contract the disease, or the *median* number, or the 90th percentile, for example.