

What is the effect of the following interventions on the rate of a disease in the community? Assume you are not told whether the disease is contagious or not.

1. Vaccinating people who are not infected with the disease
2. Vaccinating people who are already infected with the disease
3. Vaccinating people who are not infected with the disease and who are not contagious

1. Vaccinating people who are not infected with the disease will decrease the rate of the disease.

2. Vaccinating people who are already infected with the disease will increase the rate of the disease.

3. Vaccinating people who are not infected with the disease and who are not contagious will have no effect on the rate of the disease.

1. These people are not at greatest risk of contracting the disease, so vaccinating them will have the least effect on decreasing the rate of the disease. (Vaccinating people who are already infected with the disease will have the greatest effect on decreasing the rate of the disease.)
2. Vaccinating people who are already infected with the disease will have the greatest effect on decreasing the rate of the disease. (Vaccinating people who are not infected with the disease will have the least effect on decreasing the rate of the disease.)
3. Vaccinating people who are not infected with the disease and who are not contagious will have no effect on decreasing the rate of the disease. (Vaccinating people who are already infected with the disease will have the greatest effect on decreasing the rate of the disease.)

4. Vaccinating people who are not infected with the disease and who are contagious will have the greatest effect on decreasing the rate of the disease.

1. Vaccinating people who are not infected with the disease will have the least effect on decreasing the rate of the disease. (Vaccinating people who are already infected with the disease will have the greatest effect on decreasing the rate of the disease.)
2. Vaccinating people who are already infected with the disease will have the greatest effect on decreasing the rate of the disease. (Vaccinating people who are not infected with the disease will have the least effect on decreasing the rate of the disease.)
3. Vaccinating people who are not infected with the disease and who are contagious will have the greatest effect on decreasing the rate of the disease. (Vaccinating people who are already infected with the disease will have the least effect on decreasing the rate of the disease.)

5. Vaccinating people who are not infected with the disease and who are contagious will have the greatest effect on decreasing the rate of the disease.

1. Vaccinating people who are not infected with the disease will have the least effect on decreasing the rate of the disease. (Vaccinating people who are already infected with the disease will have the greatest effect on decreasing the rate of the disease.)
2. Vaccinating people who are already infected with the disease will have the greatest effect on decreasing the rate of the disease. (Vaccinating people who are not infected with the disease will have the least effect on decreasing the rate of the disease.)
3. Vaccinating people who are not infected with the disease and who are contagious will have the greatest effect on decreasing the rate of the disease. (Vaccinating people who are already infected with the disease will have the least effect on decreasing the rate of the disease.)