We can do this, Alaska! Social distancing saves lives

Keeping a safe distance from others (at least six feet) can play a critical role in controlling the spread of pandemics. Here's the math to show you why. Scientists measure the intensity of an infectious disease by its reproduction number (R_0). This modeling assumes a median incubation period of five days – meaning that if someone gets sick, it typically happens about five days after exposure.

R_0 is the average number of people a sick person will infect

For **COVID-19,** this has been estimated at 2.5

Here's what it looks like if Alaskans reduce their social exposure by 75%

DAY 1

INFECTS

1 Person

DAY 5

0.625 People INFECTED

DAY 30

2.5 People INFECTED

Here's what it looks like if Alaskans can reduce social exposure by 50%

DAY 1

INFECTS

1 Person

DAY 5

1.25 People INFECTED

DAY 30

15 People INFECTED

Here's what it looks like if there is no reduction in social exposure
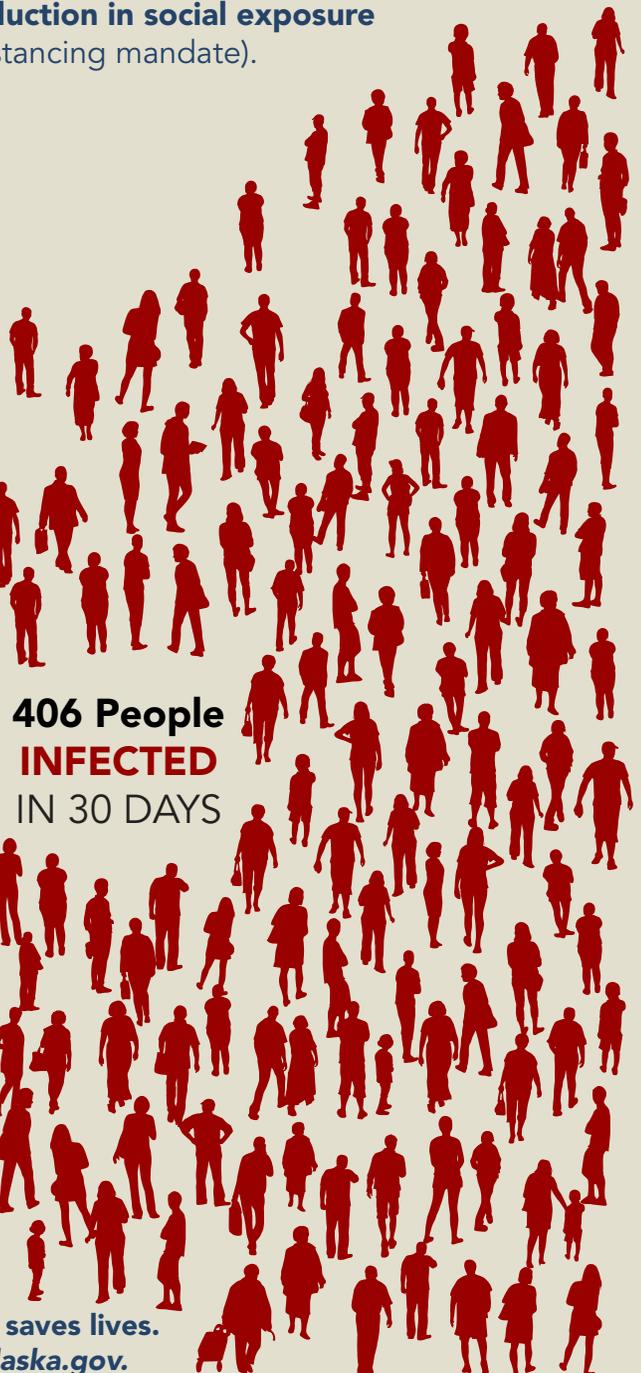### (if no one follows Alaska's social distancing mandate).

DAY 1

INFECTS

1 Person

DAY 5

2.5 People INFECTED

406 People
INFECTED
IN 30 DAYS

It's simple math: Staying home saves lives.
Learn more at *coronavirus.alaska.gov*.