

## Soc 381 - Sexual Behavior, STIs & Scientific Measurement

September 3, 2020

### • Dynamics of Epidemics

- Prevalence of Infections in Population
- Infectiousness of Pathogen
- Susceptibility of Uninfected
- Rates of Exposure of Uninfecteds to Infecteds

## Class Comparison of COVID-19 to HIV

### • Similarities

- New experience for Population
- Affects otherwise healthy people
- Much uncertainty about epidemic
- Deadly
- Odds of Transmission can be reduced
- No known cure at Outset

## Class Comparison of COVID-19 to HIV

### • Differences

- HIV concentrated in a subpopulation
- COVID created financial crisis
- HIV was asymptomatic for long time, COVID-19 is not
- Very different modes of transmission
- Case fatality rate much lower for COVID

## ONE OTHER DIFFERENCE

- **COVID-19 killed 180,000+ Americans in first 7 months of epidemic**
- **Annual AIDS-HIV deaths in USA did not reach 50 thousand until 1985. (First deaths were in early 1980s.)**
- **BUT AIDS-HIV was concentrated in one small subpopulation which it decimated**

## HOMEWORK

- In 6 sentences say what you thought was the most important point made in "And the Band Played On"
  - Read and be prepared to discuss
    - 002\_Brits\_having\_less\_success.pdf
    - 002\_Americans\_having\_less\_sex\_EDITORIAL.pdf
    - 002\_Americans\_having\_less\_sex\_GSS.pdf
- READINGS ARE ON CLASS WEBSITE