

# Medical Herd Immunity vs. Natural Herd Immunity

## Medical

- Parts of bacteria, genetically manipulated viruses
- Excessive antibody
  - Incorrect shapes
  - IgG 2 and 4 -> decreases cellular immunity
- TH2 dominant
  - antibody only; no CMI
- Individual “protection” wanes in 2-10 years

## Natural

- Full bacteria; virus and bacteria found in nature
- Less antibody; protective form
  - IgG is 1 and 3
  - Enhances Cell mediated immunity [the dance]
- TH1 dominant
  - activated T-cells
- Individual protection can last a lifetime