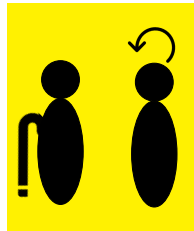
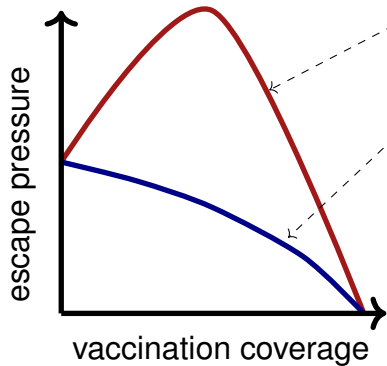


$$\mathbb{P} \left(\begin{array}{c} \text{[Group of 7 people: 4 black, 3 white]} \\ \text{---} \\ \text{[Group of 7 people: 4 black, 1 purple, 2 white]} \end{array} \right) = \text{[1 black person]} + \theta_E \text{[1 black person with syringe]}$$

high θ_E



$$\mathbb{P} \left(\begin{array}{c} \text{[Group of 7 people: 4 black, 3 white]} \\ \text{---} \\ \text{[Group of 7 people: 4 black, 3 purple]} \end{array} \right)$$

low θ_E