4 March 2022 modes of transmission QUALITATIVE diff in vinclence due to garasite's requirement for a healthy host -? does higher transmission opportunity select for higher visilence 5=0.9 speed of evolution= strength of sel x siness | genetic variability 5=0.7 vinlence eco-evolutionary model · mathematicians: ecological levol equilibrium. evolution - Ro fitness spead doesn't matter Coverall revel of transmission doesn't matter.

EPIDEMIC Phase (exponential growth) r = growth rate = B-8 (Ro = B/a) o increased transmission

DOES select for incr virulence epidemic phase optimal viv (-) endemic-optimal (Ro) facultative parasites (saprophytes) ? spatial restriction ?