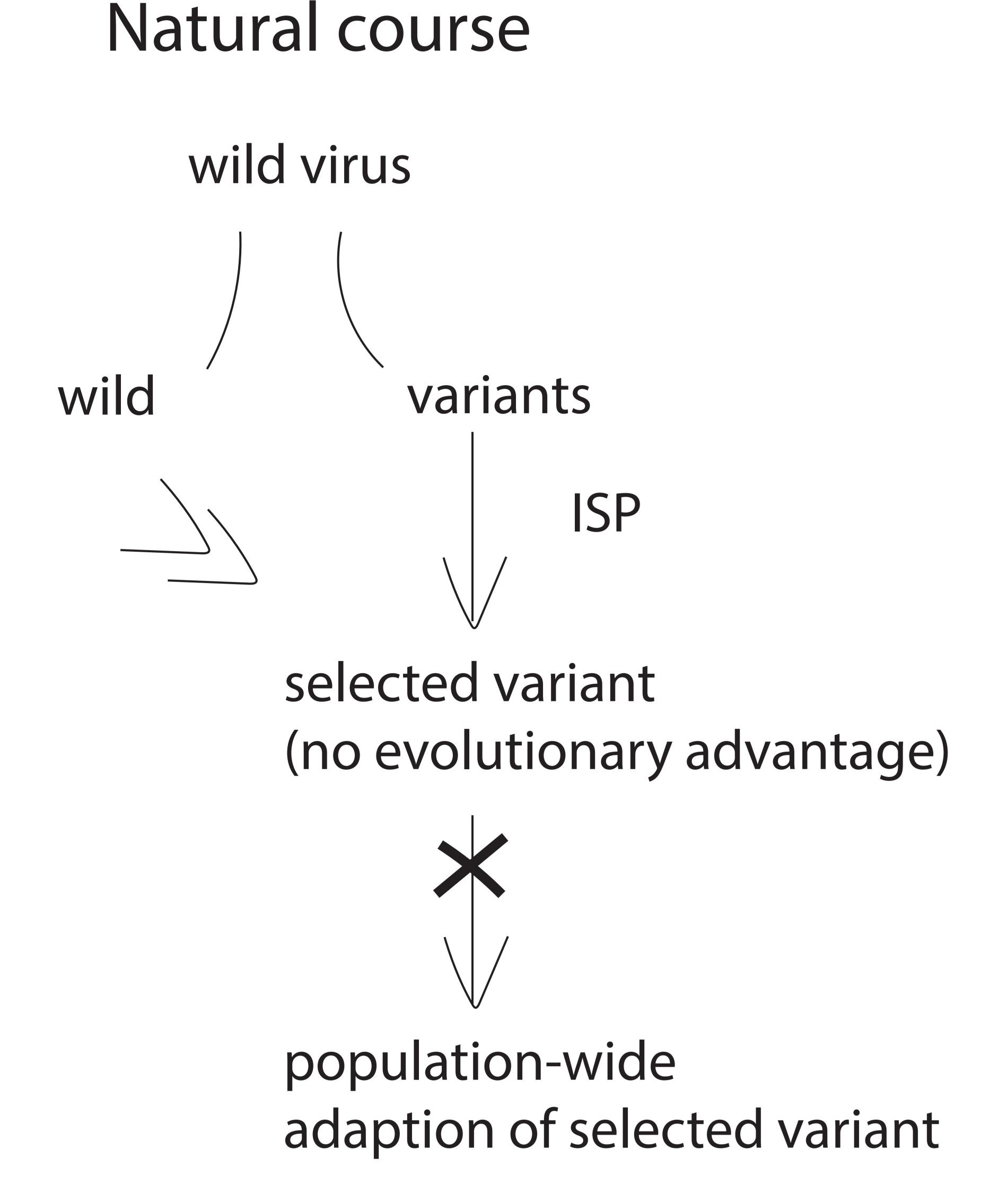
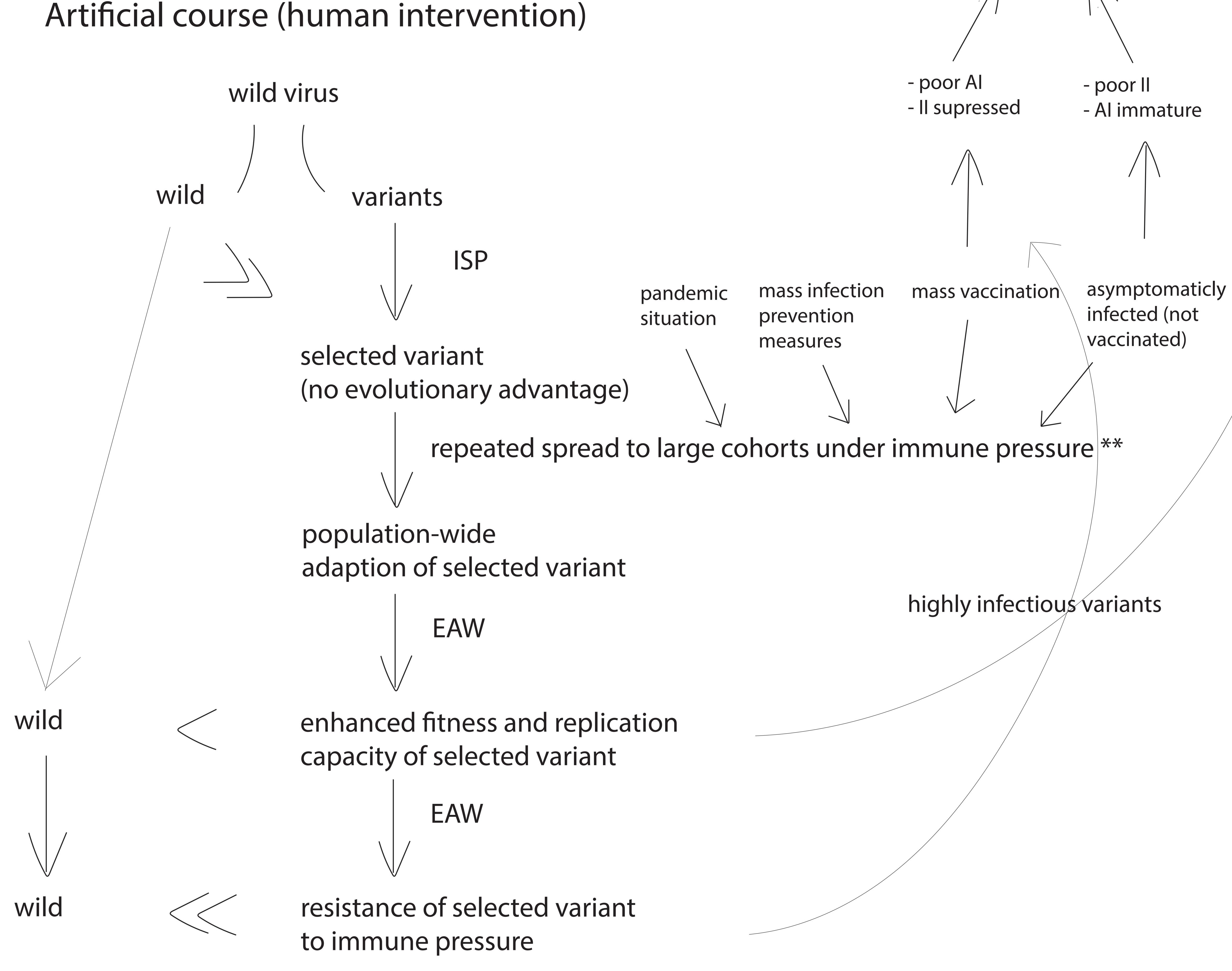
## COVID-19 PANDEMIC

(severe) disease





AI = adaptive imuunity
EAW = evolutionary advantage over wild
II = innate immunity
ISP = individual selection pressure
x >> y means that x is the dominant circulating strain

\*\* immune pressure is due to suboptimal immune responses. The latter may result from immune compromising events such as induction of vaccine-elicited antibodies (Abs) that poorly match variant-derived S antigen, incomplete seroconversion, elicitation of immature Abs (e.g., after the 1st dose of a 2-dose vaccine), declining Ab titers (e.g., in case of delay of 2nd vaccine dose) or Thelp-independent Ab priming (e.g., in asymptomatically infected subjects).