

































































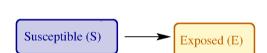






Susceptible (S)

► Vier Phasen: infizierbar,

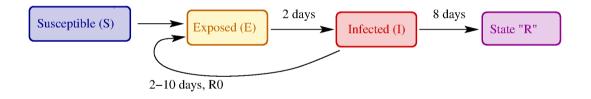


► Vier Phasen: infizierbar, infiziert,



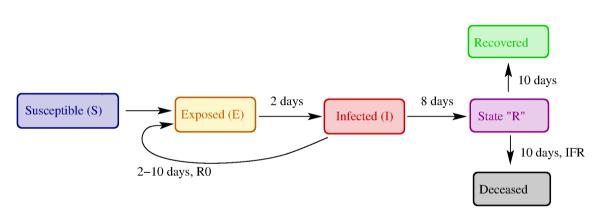
▶ Vier Phasen: infizierbar, infiziert, ansteckend,

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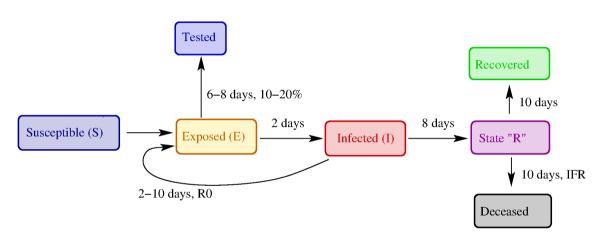
▶ Vier Phasen: infizierbar, infiziert, ansteckend, nicht mehr ansteckend

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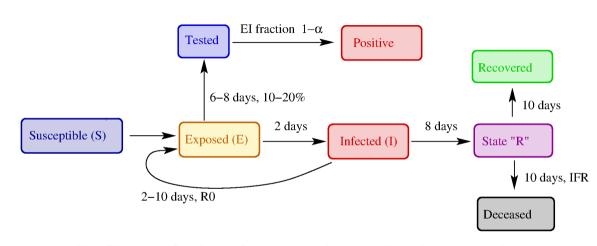


▶ Vier Phasen: infizierbar, infiziert, ansteckend, nicht mehr ansteckend

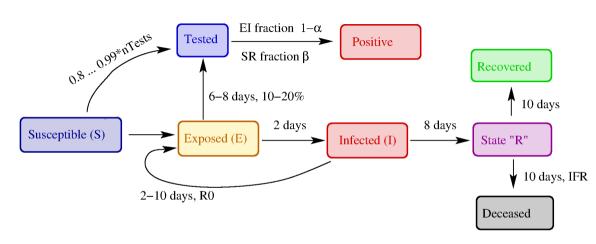
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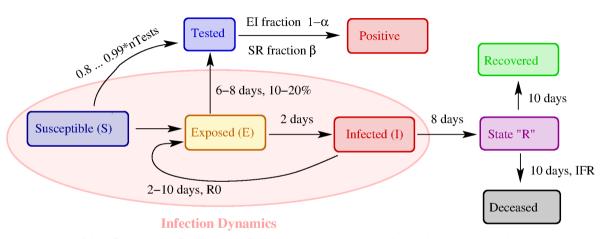


- ▶ Vier Phasen: infizierbar, infiziert, ansteckend, nicht mehr ansteckend
- ► Sensitivität $1 \alpha = \text{Prob} (\text{positiv} \mid \text{infiziert})$



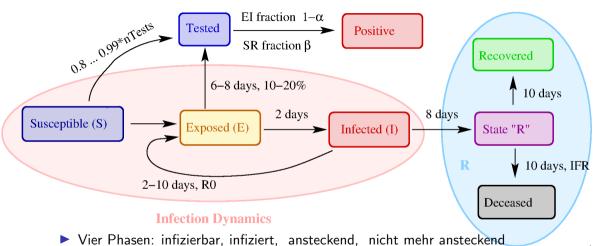
- ▶ Vier Phasen: infizierbar, infiziert, ansteckend, nicht mehr ansteckend
- ▶ Sensitivität $1 \alpha = \text{Prob} (\text{positiv} \mid \text{infiziert})$
- ▶ Specifizität 1β = Prob (negativ | nicht infiziert)





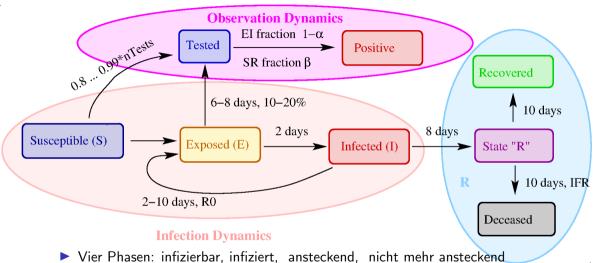
- ▶ Vier Phasen: infizierbar, infiziert, ansteckend, nicht mehr ansteckend
- ► Sensitivität $1 \alpha = \text{Prob}$ (positiv | infiziert)
- ▶ Specifizität 1β = Prob (negativ | nicht infiziert)





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- Separation between infection and data dynamics
- ▶ Data used to **calibrate** the base reproduction numbers and IFRs



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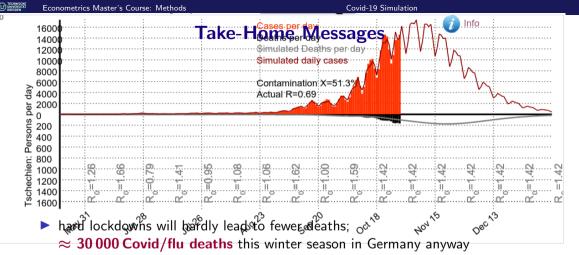
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- hard lockdowns will hardly lead to fewer deaths;
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- ► Let's see if these projections stand the test of time!