Covid-19 evolution, 15 most affected countries (data from JHU CSSE, 8/10/21) Growth rate (%) of deaths  $\left(\frac{\Delta deaths}{deaths}\right)$ Total number of deaths for 10<sup>6</sup> people Total number of deaths for 10<sup>6</sup> people (log scale) 6000 1.75 5000 1.50 4000 1.25 3000 1.00  $10^{3}$ 0.75 2000 0.50 1000 0.25 01/03 01/05 01/07 01/09 01/11 01/01 01/03 01/05 01/07 01/09 01/11 01/03 01/05 01/07 01/09 01/11 01/01 01/03 01/05 01/07 01/09 01/11 01/03 01/05 01/07 01/09 01/11 01/01 01/03 01/05 01/07 01/09 01/11 Acceleration of deaths for  $10^6$  people  $\left(\frac{\Delta^2 deaths}{(\Delta t)^2}, \frac{10^6}{population}\right)$ deaths by day for  $10^6$  people  $\left(\frac{\Delta deaths}{\Delta t}, \frac{10^6}{population}\right)$  (log scale) deaths by day for  $10^6$  people  $\left(\frac{\Delta deaths}{\Delta t}, \frac{10^6}{population}\right)$ 01/03 01/05 01/07 01/09 01/11 01/01 01/03 01/05 01/07 01/09 01/03 01/05 01/07 01/09 01/11 01/01 01/03 01/05 01/07 01/09 01/11 01/03 01/05 01/07 01/09 01/11 01/01 01/03 01/05 01/07 01/09 01/11