Covid-19 evolution, 15 most affected countries (data from JHU CSSE, 8/15/21) Growth rate (%) of confirmed $\left(\frac{\Delta confirmed}{confirmed}\right)$ Total number of confirmed Total number of confirmed (log scale) 1e7 3.5 1.75 10⁸ 1.50 -2.5 1.25 - 10^{7} 1.00 -1.5 0.75 - 10^{6} 0.50 0.5 0.25 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 01/03 01/05 Acceleration of confirmed $\left(\frac{\Delta^2 confirmed}{\Delta^2 confirmed}\right)$ confirmed by day $\left(\frac{\Delta confirmed}{\Delta t}\right)$ confirmed by day $\left(\frac{\Delta confirmed}{\Delta t}\right)$ (log scale) 350000 10000 10^{6} 300000 250000 5000 10^{5} 200000 150000 100000 50000 --10000

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