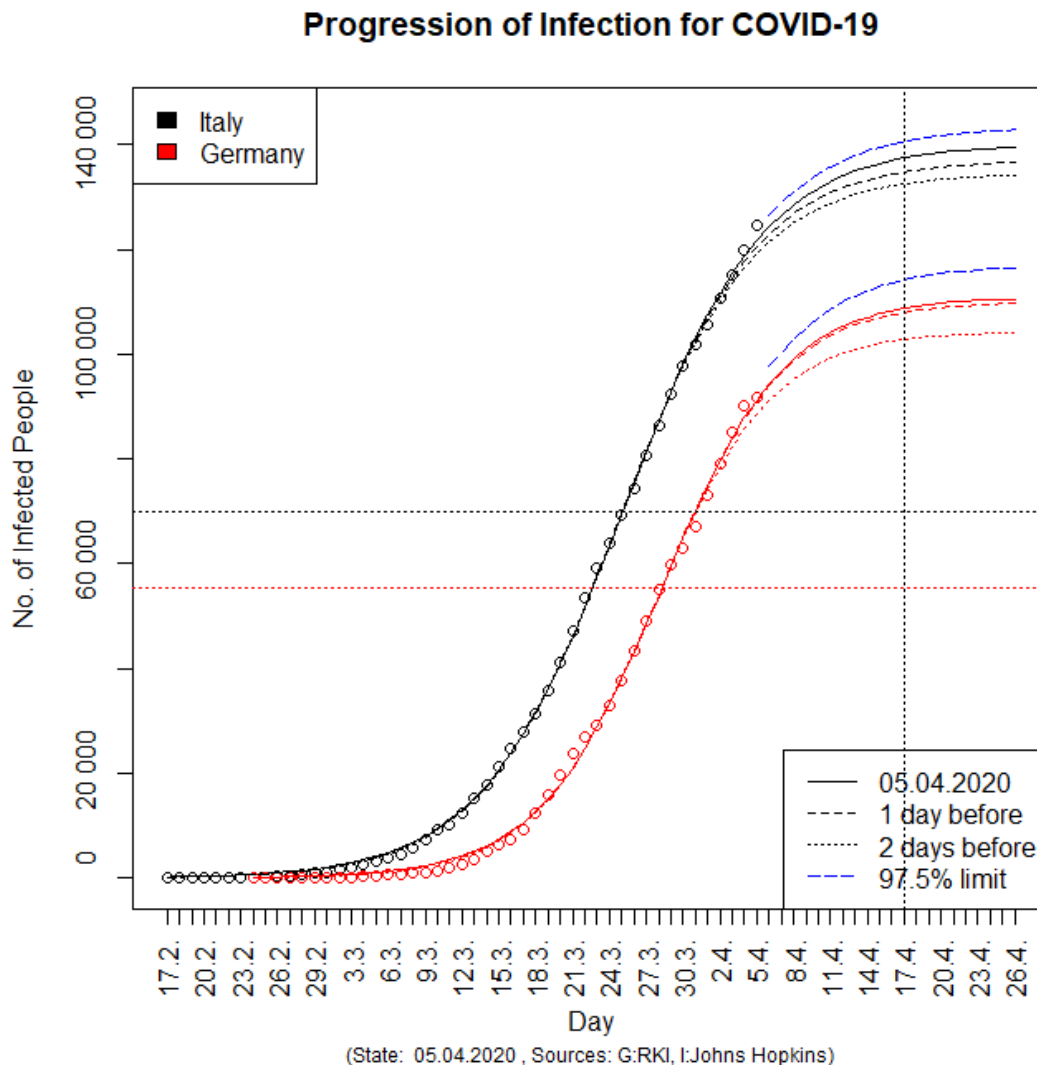


05.04.2020: COVID-19 Pandemic: Germany: No distinct decrease of absolute daily increase, yet; estimated maximum now near 110000, stabilization the week after Easter



The figure shows the predicted progression of COVID-19 infections for Italy and Germany with data starting at 17.02. (Italy) and 24.02. (Germany), respectively, and ending at 04.04. Circles represent observations of the no. of infected people as reported by the Robert-Koch-Institut (RKI, Berlin) for Germany and the Johns Hopkins University (USA) for Italy. Lines represent predictions from optimally fitted **Logistic Models** for different data endpoints (the actual endpoint and the two days before). This way, we intend to demonstrate the (in)stability of the predictions in dependence of the endpoint of observed data. We also added the upper limit of the 95% prediction interval (97.5% limit) as another indicator of uncertainty. Vertical dotted lines indicate start of stagnation for Italy (black) and Germany (red). Horizontal dotted lines indicate turning points.

There is no distinct decrease of the no. of newly reported infections in Germany and Italy, yet. Saturation phase has not yet begun! Based on the corrected RKI data of 5.4., the new estimated upper limit of the no. of infected people in the first wave of the pandemic is now 110000 for Germany. For Italy, the estimated maximum is near 140000. The uncertainty of these numbers is relatively low. Both country models predict stagnation of the reported numbers of infections (meaning less than 500 new daily infections) for the week after Easter (17.4.) despite the persistent reporting of high daily increases. Tension is rising whether saturation will be reached in the near future.