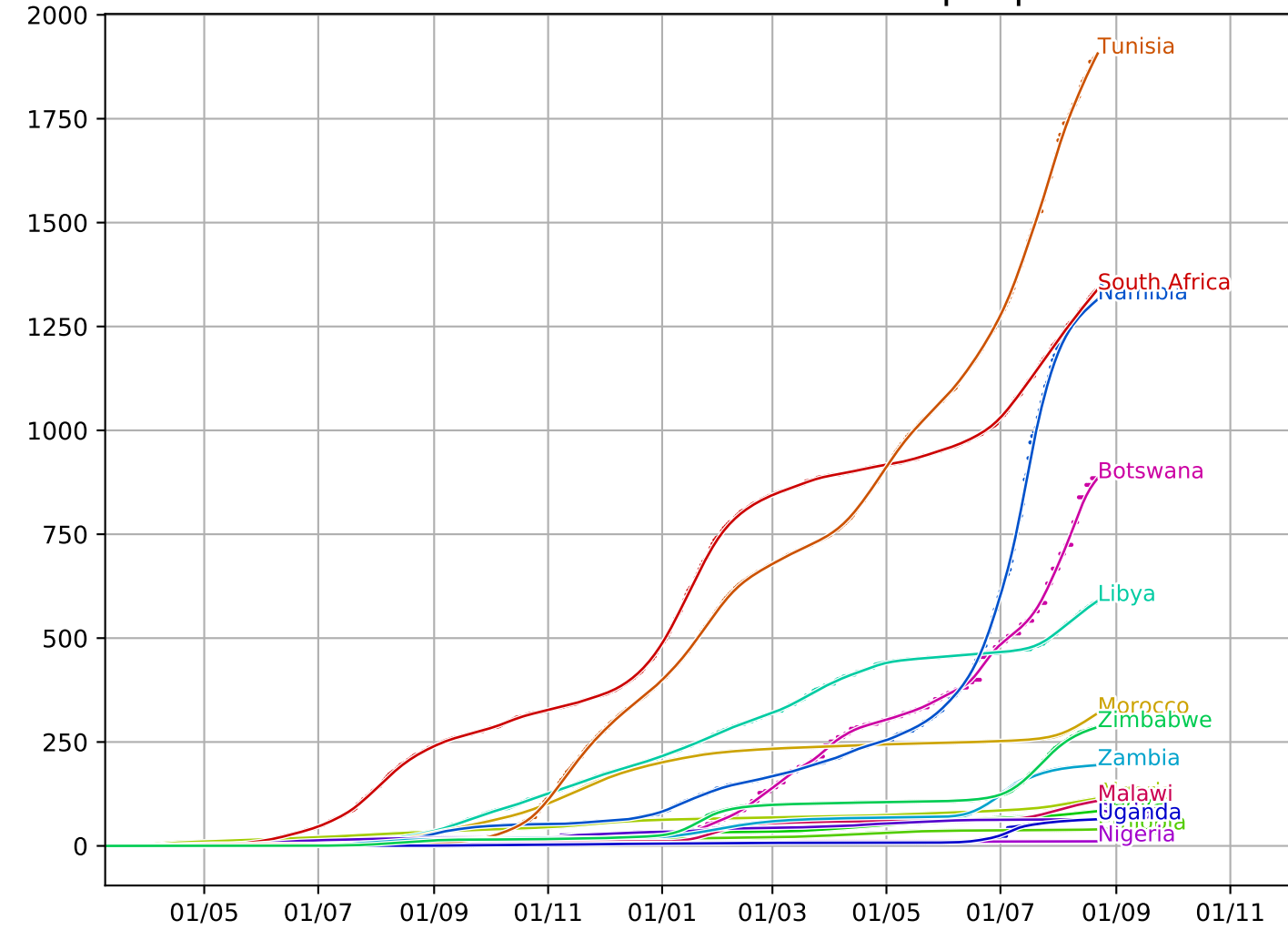
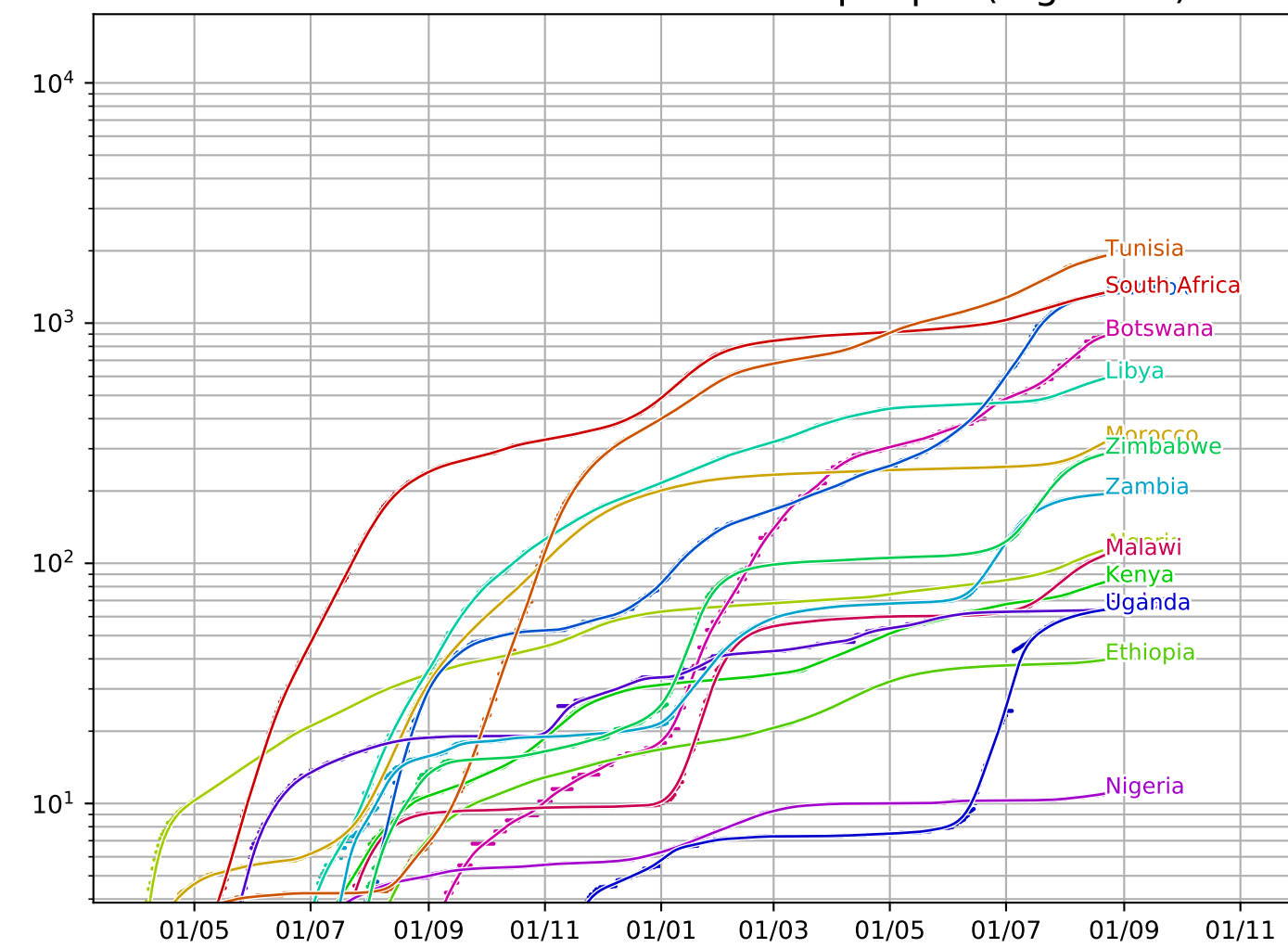


# Covid-19 evolution, Africa (data from JHU CSSE, 8/22/21)

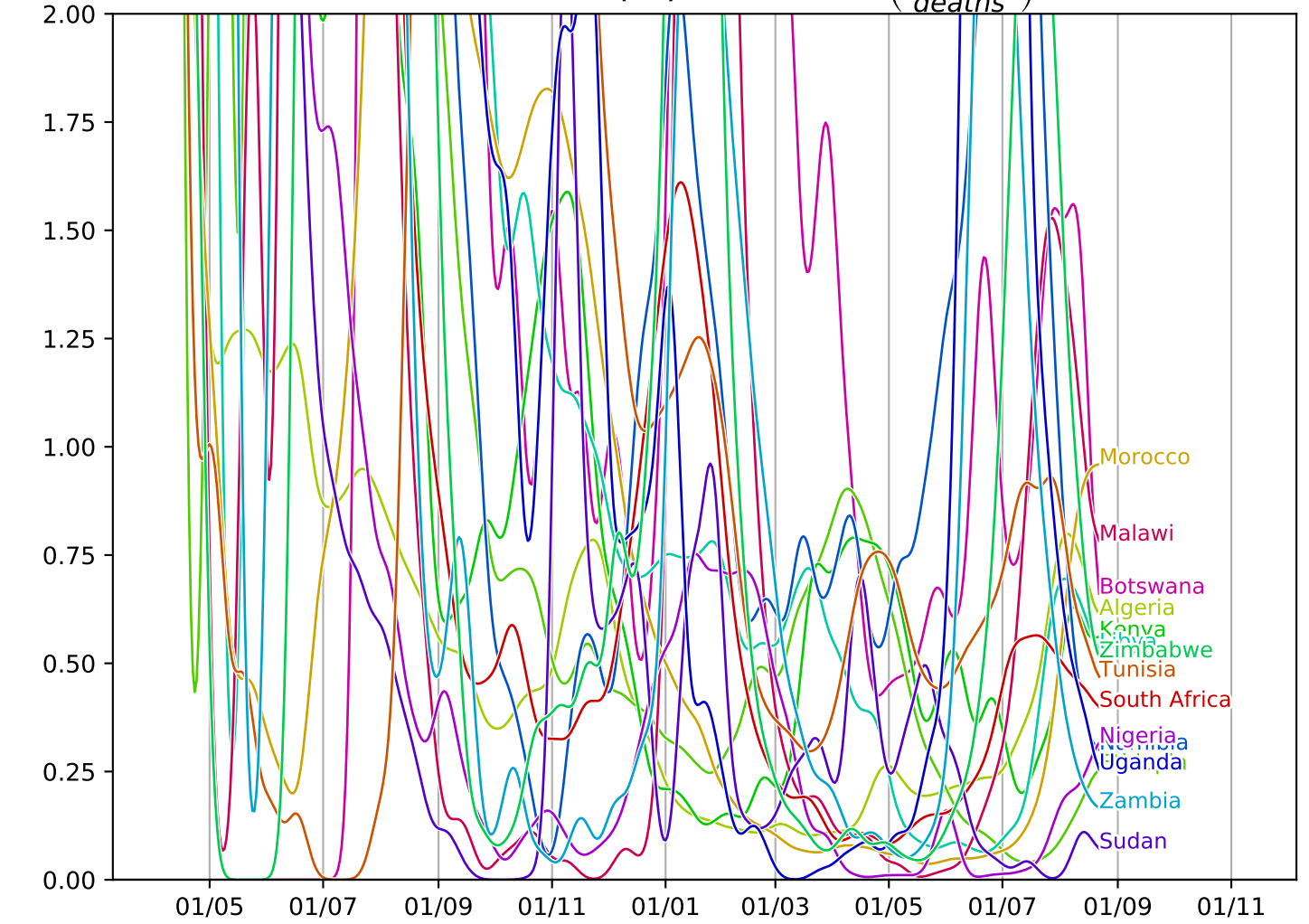
Total number of deaths for  $10^6$  people



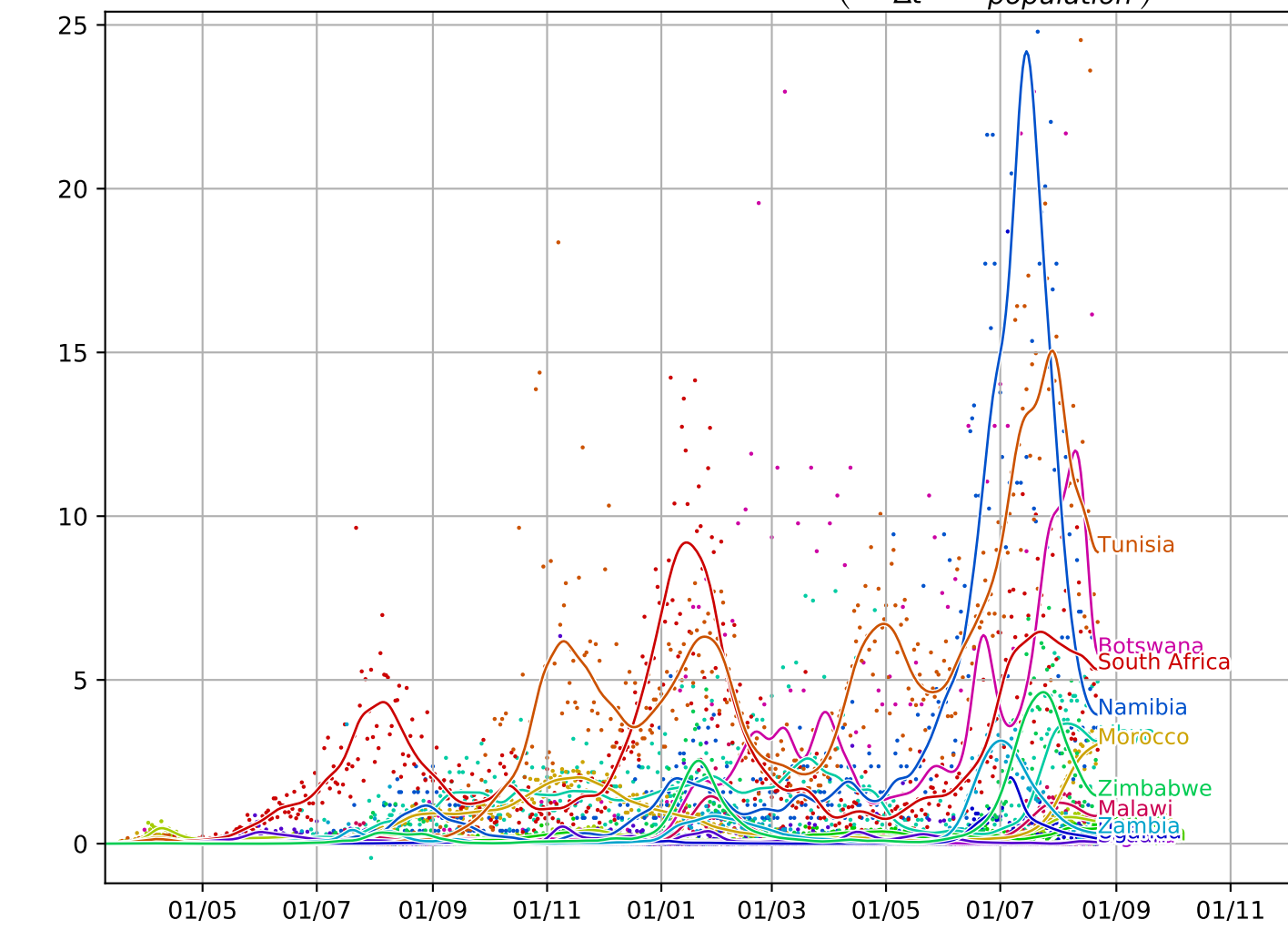
Total number of deaths for  $10^6$  people (log scale)



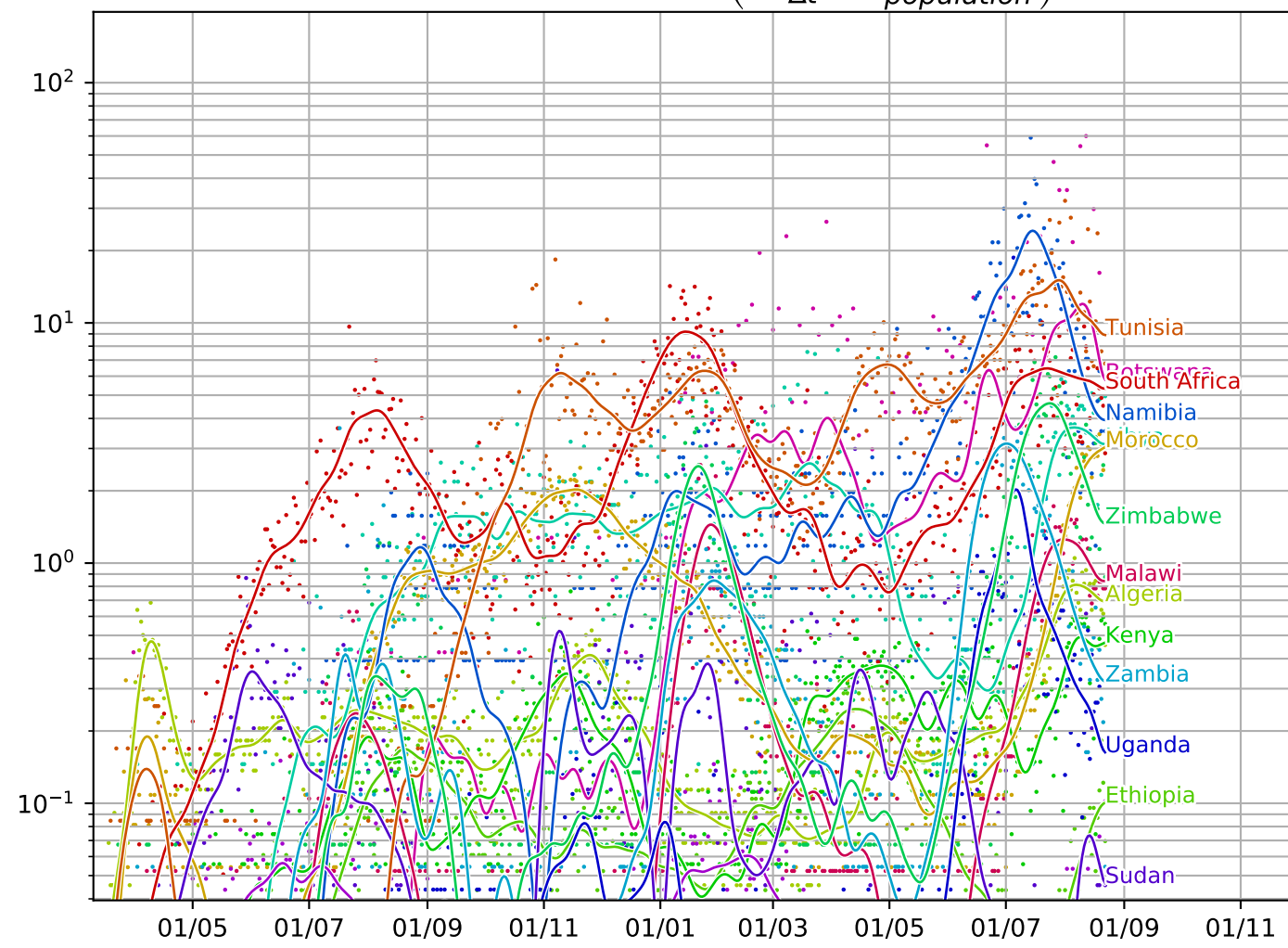
Growth rate (%) of deaths  $\left(\frac{\Delta \text{deaths}}{\text{deaths}}\right)$



deaths by day for  $10^6$  people  $\left(\frac{\Delta \text{deaths}}{\Delta t} \cdot \frac{10^6}{\text{population}}\right)$



deaths by day for  $10^6$  people  $\left(\frac{\Delta \text{deaths}}{\Delta t} \cdot \frac{10^6}{\text{population}}\right)$  (log scale)



Acceleration of deaths for  $10^6$  people  $\left(\frac{\Delta^2 \text{deaths}}{(\Delta t)^2} \cdot \frac{10^6}{\text{population}}\right)$

