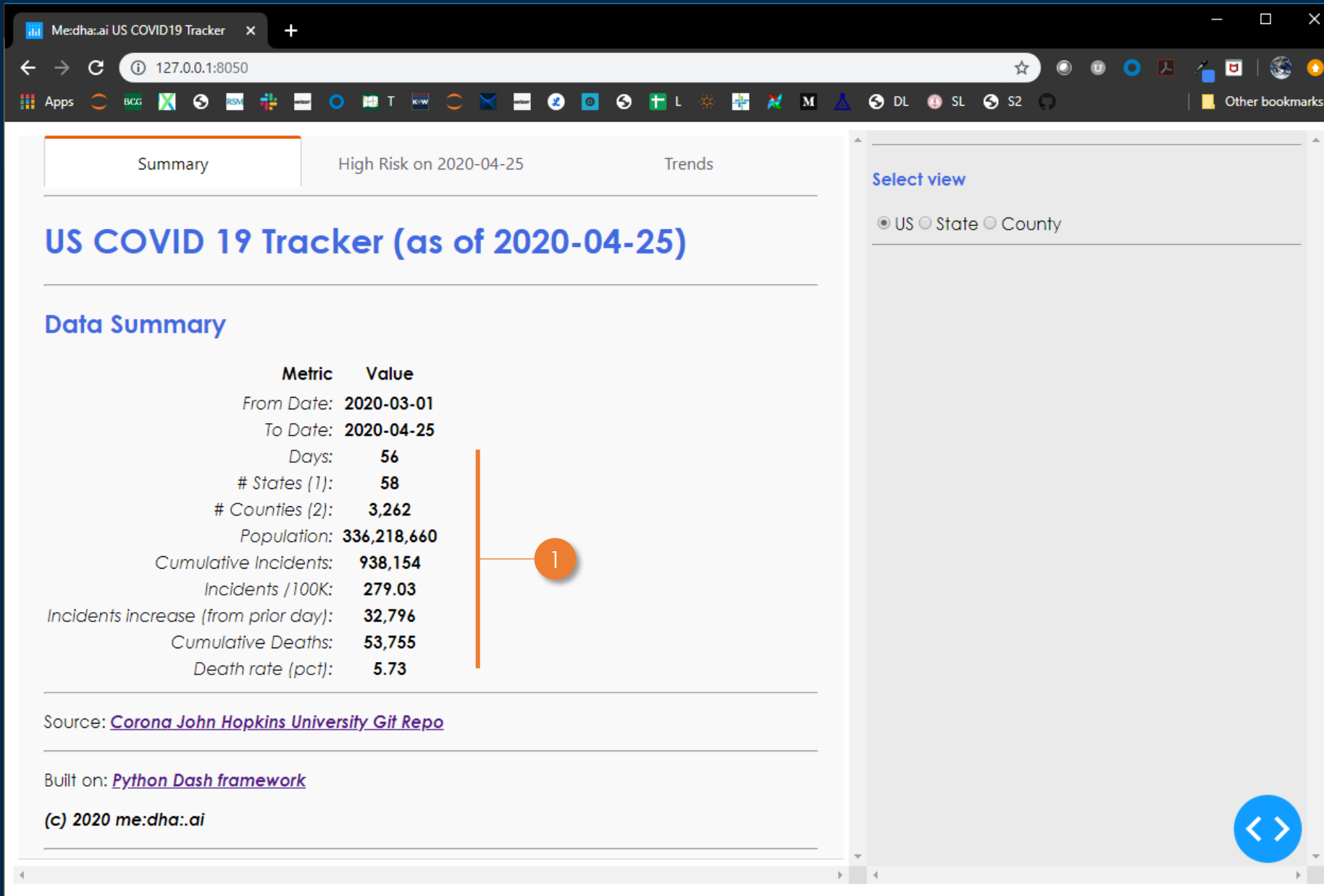


# US COVID Tracker – 04/26/2020

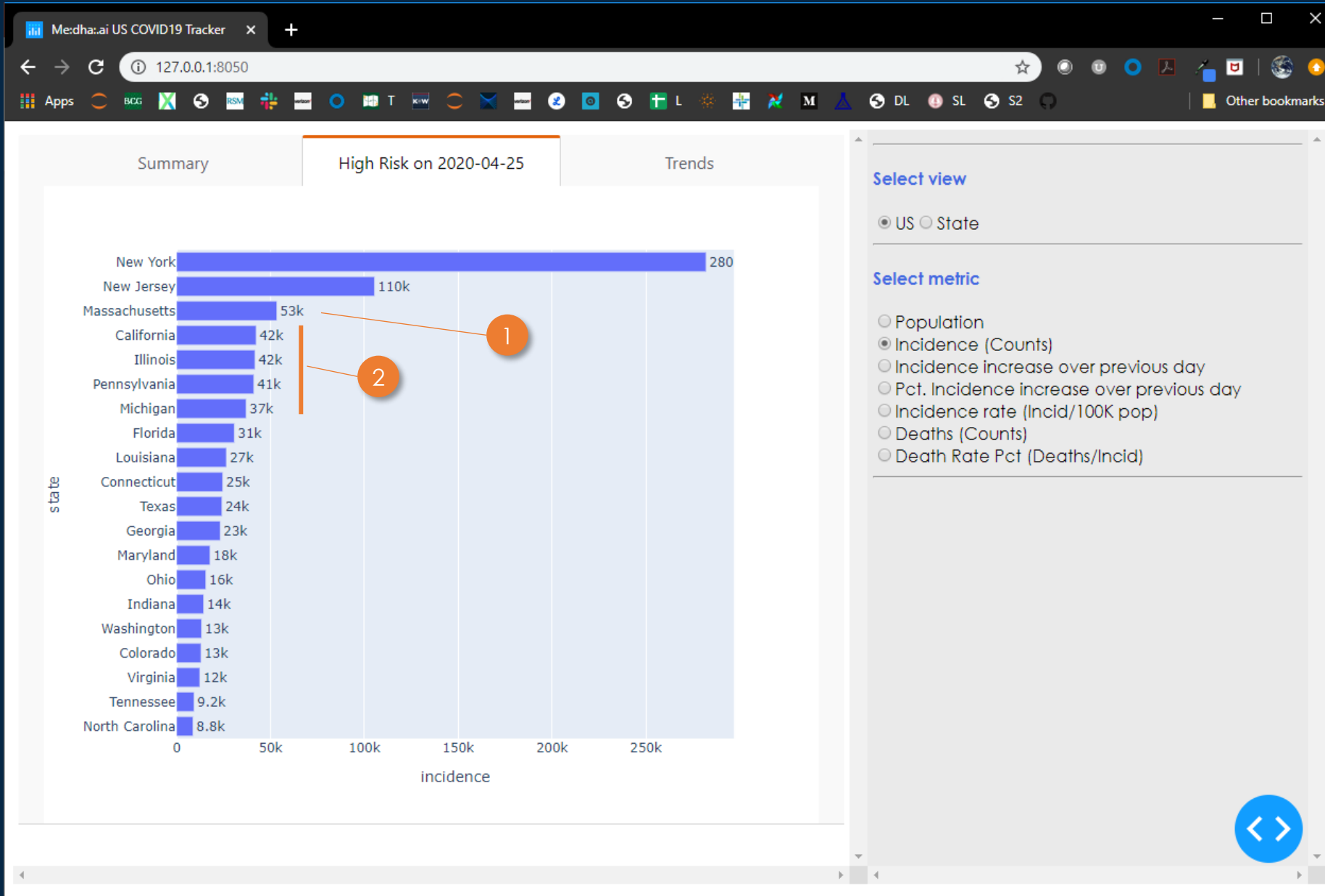
*me:dha:.ai*

# Summary



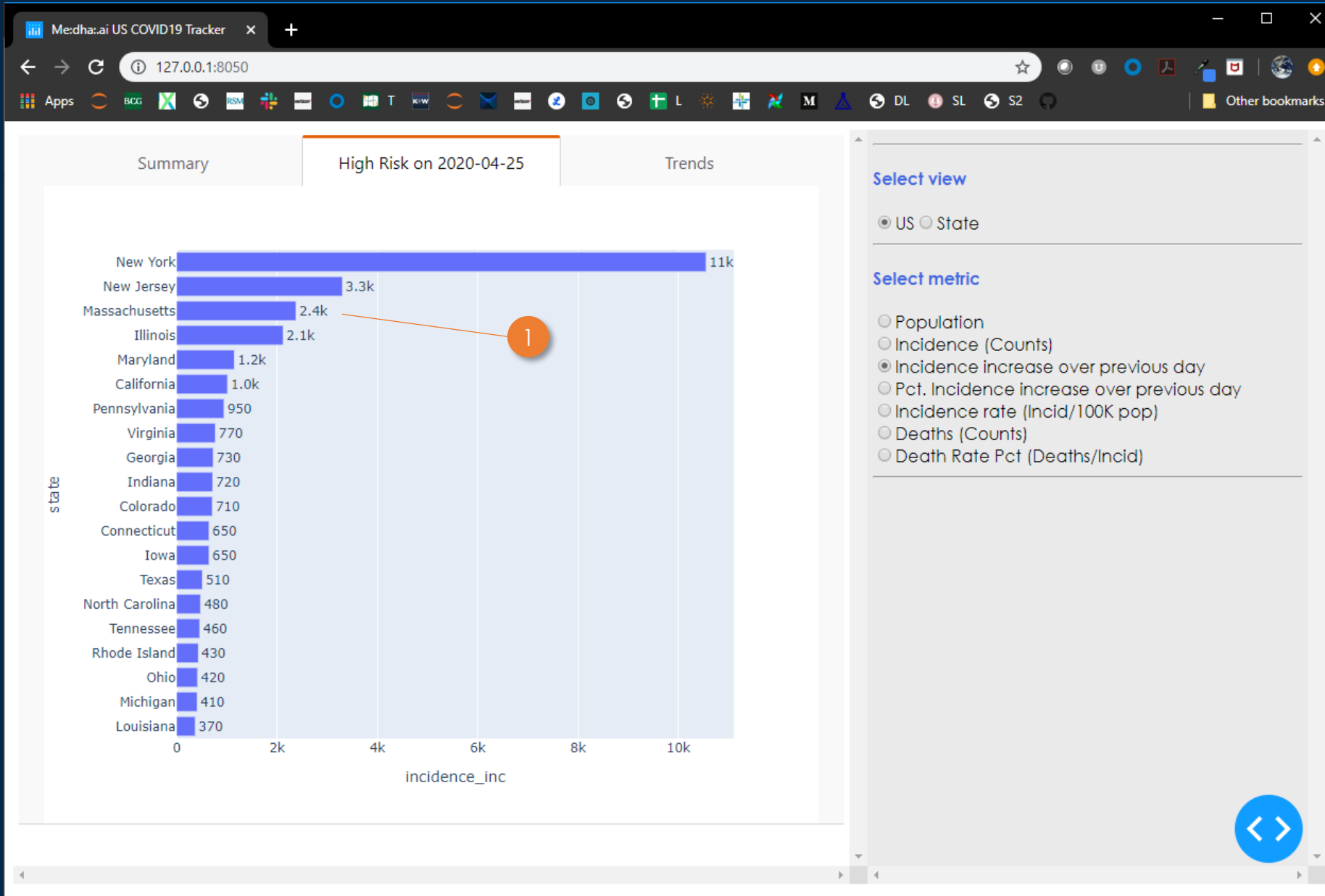
1. In ~2 months (56 days) into the pandemic, US has close to 1M COVID19 incidences and ~54 K deaths

# Cumulative high incidence states (04/25)



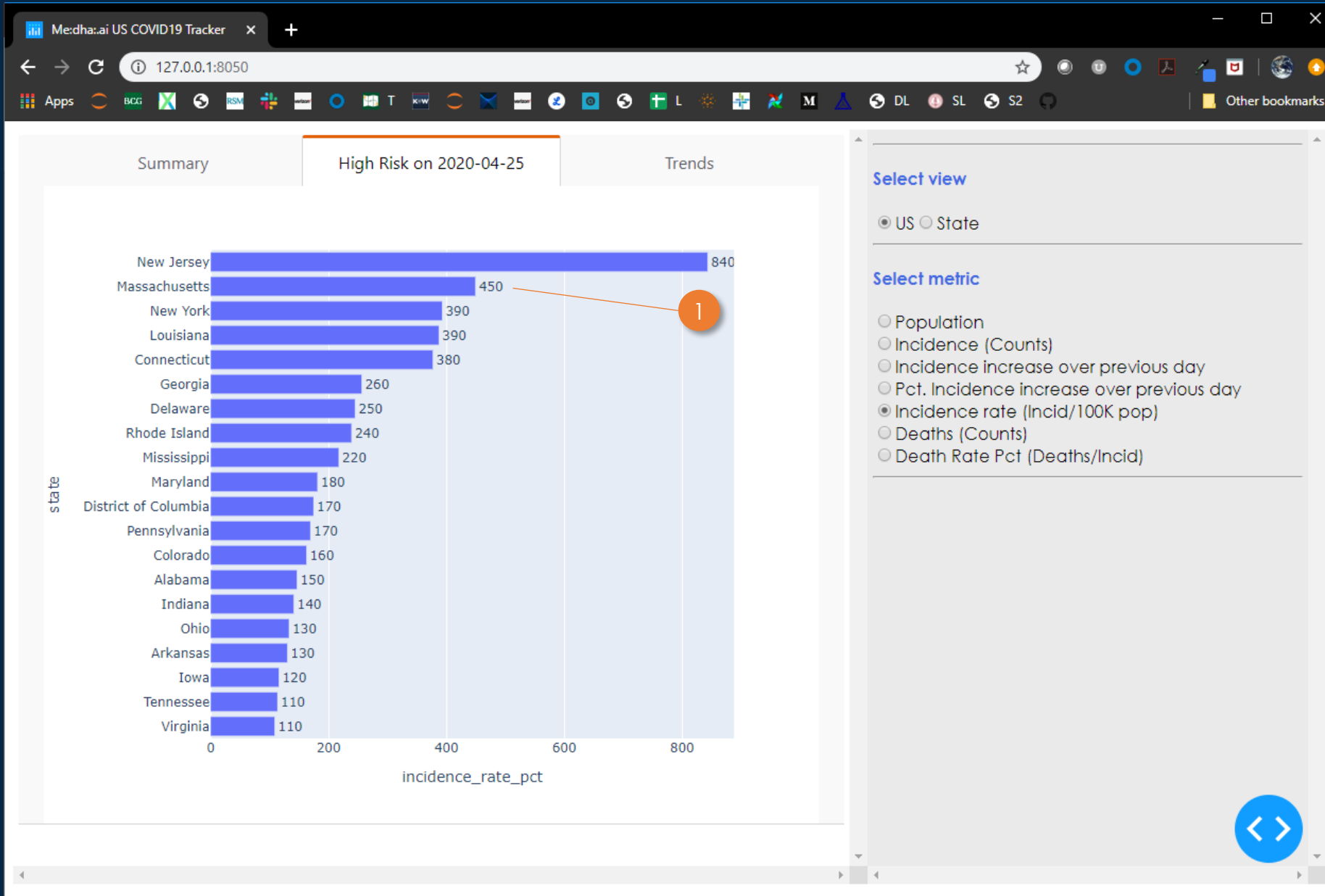
1. The state of mass is #3 from an incidence count
2. The states of California, Illinois, Pennsylvania and Michigan are next highest in terms of incidence rates

# Incidence daily increase from 04/24



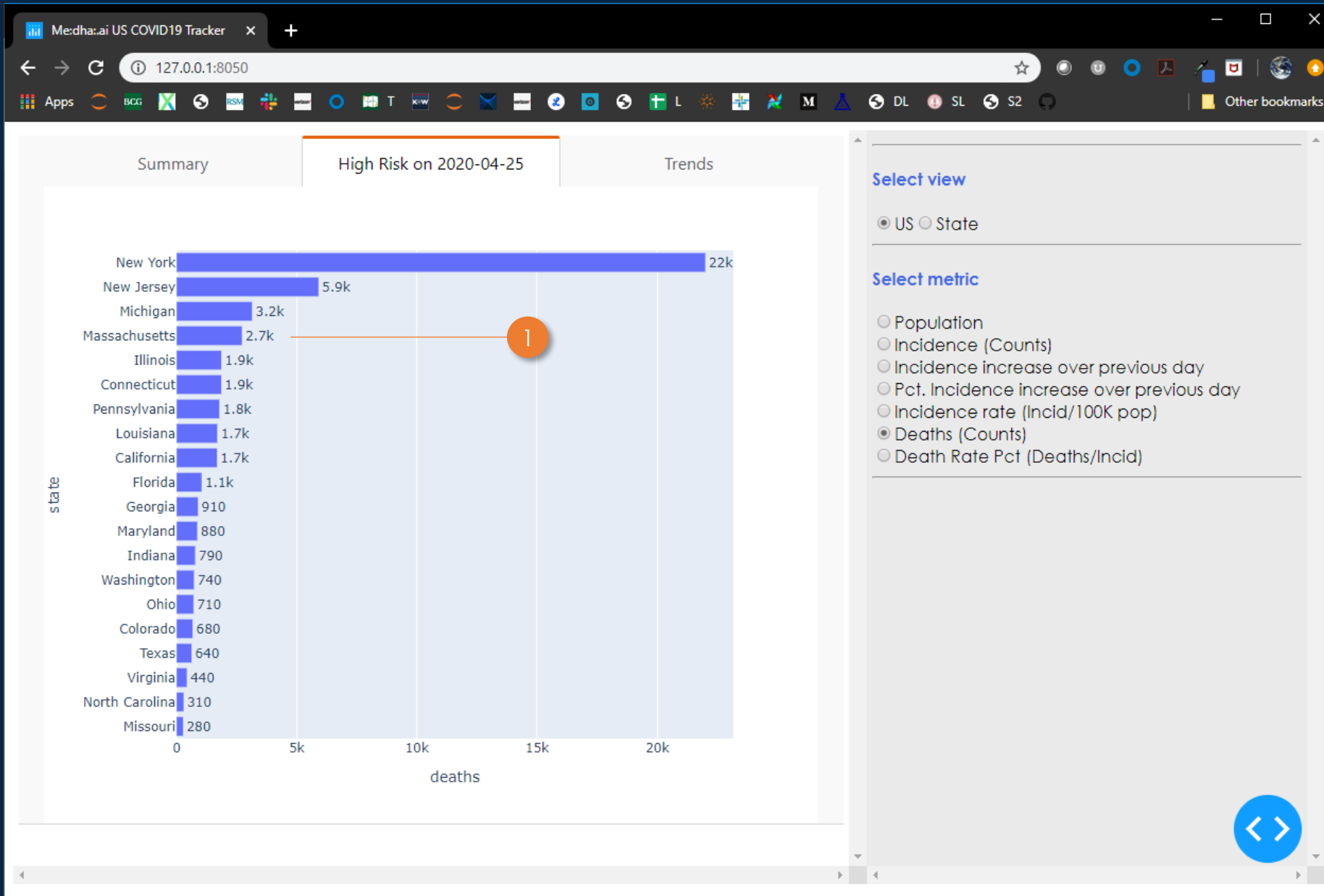
1. The incidence daily increase in state of Mass is still high

# Incidence rate (incidences / 100 K population) from 04/24



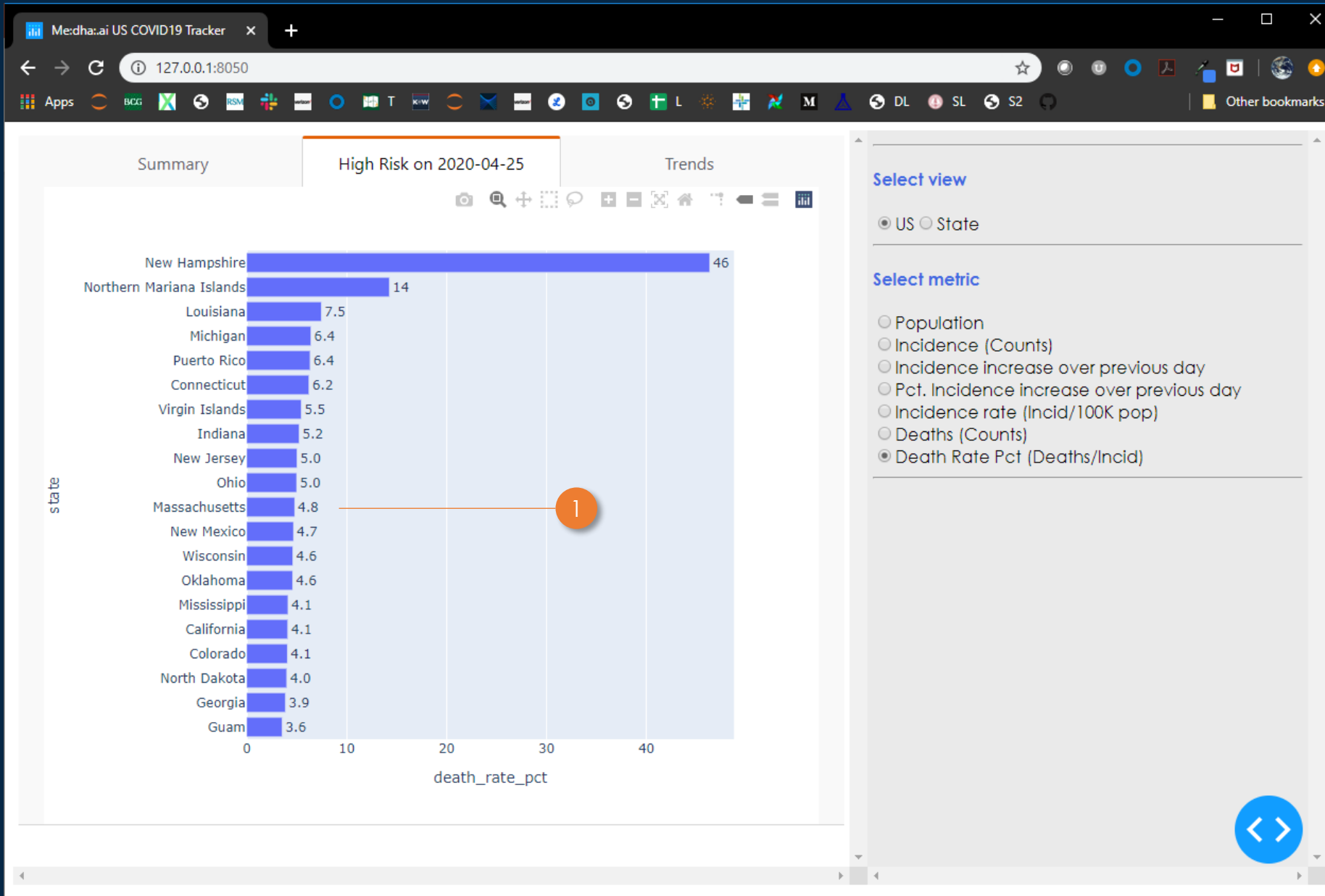
1. Even from an incidence rate perspective, the state of Mass ranks very high

# Cumulative deaths 04/25



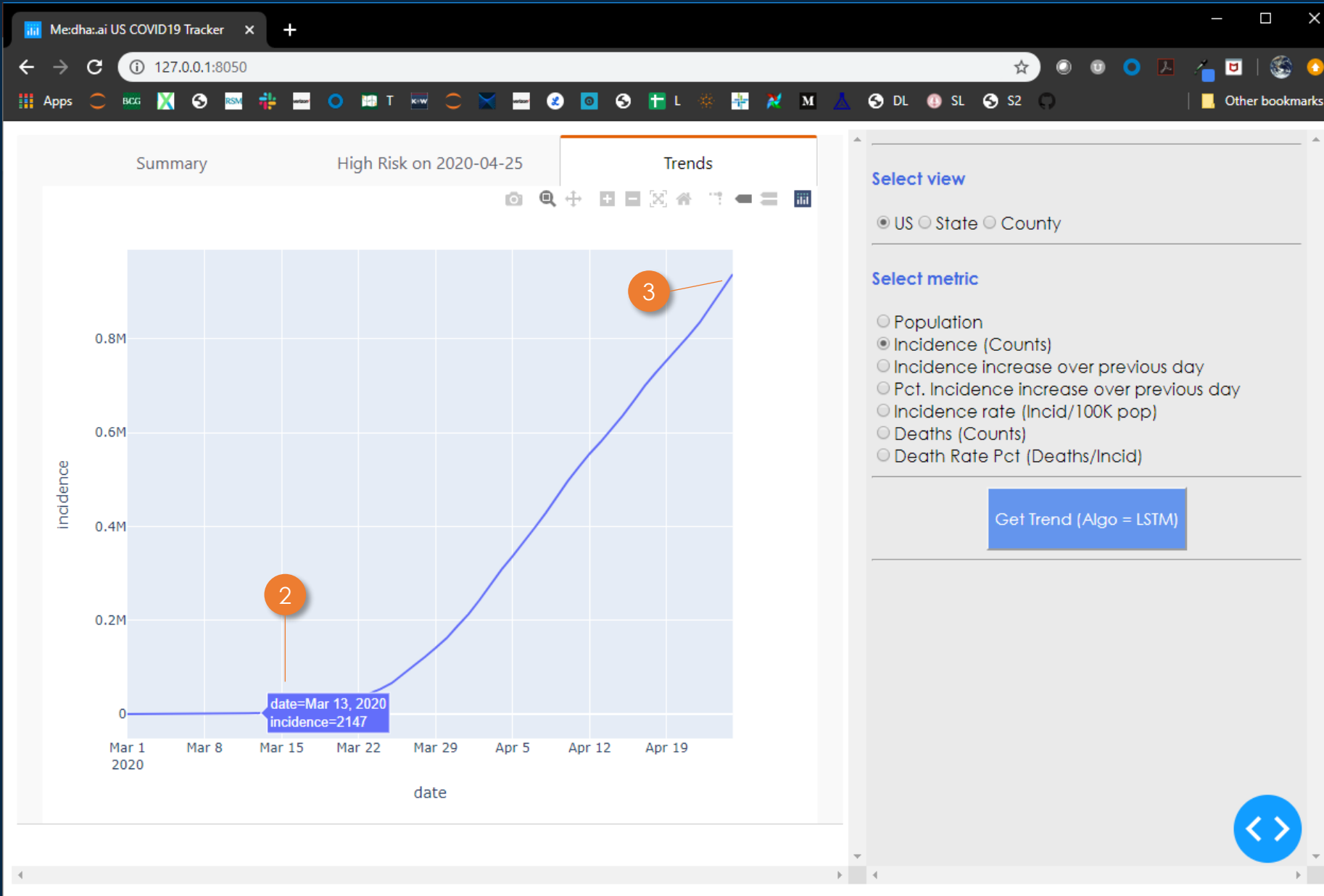
1. Deaths in the state of Mass are high

# Death rate - 04/25



1. Death rate in Mass is relatively lower

# Incidence counts nation-wide



1. National emergency was declared on 03/13

2. Nation wide stats (03/13)

- Incidence = 2 K
- Deaths = 53
- Death rate = 0.14%
- Days = 0
- CDGR = 0

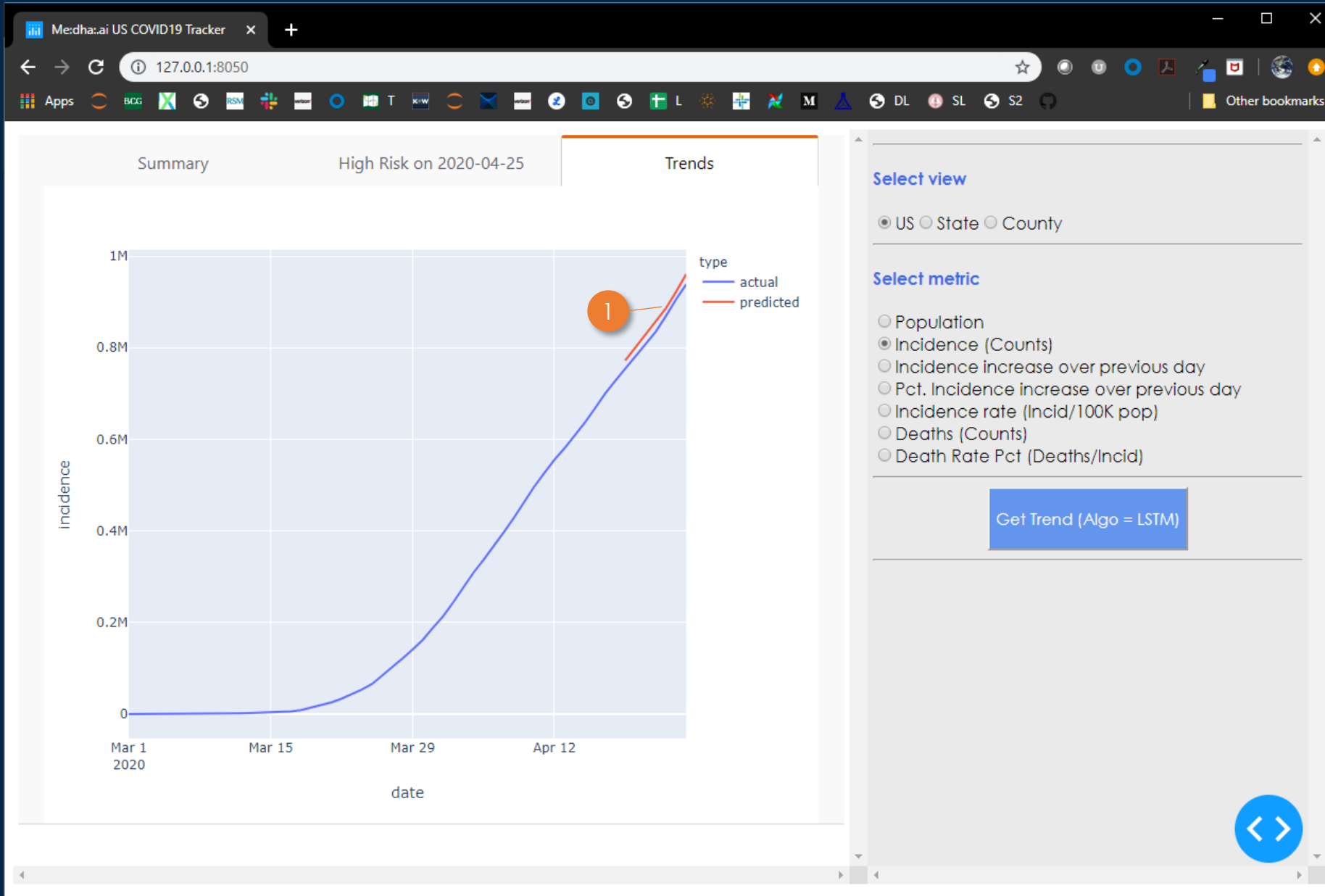
3. Nation wide stats (04/25)

- Incidence = 938 K
- Deaths = 54 K
- Death rate = 5.73%
- Days = 43
- CDGR = 15.3%

CDGR = Cumulative Daily Growth Rate  
= 16.6 % or doubling in incidence in roughly 4.7 days

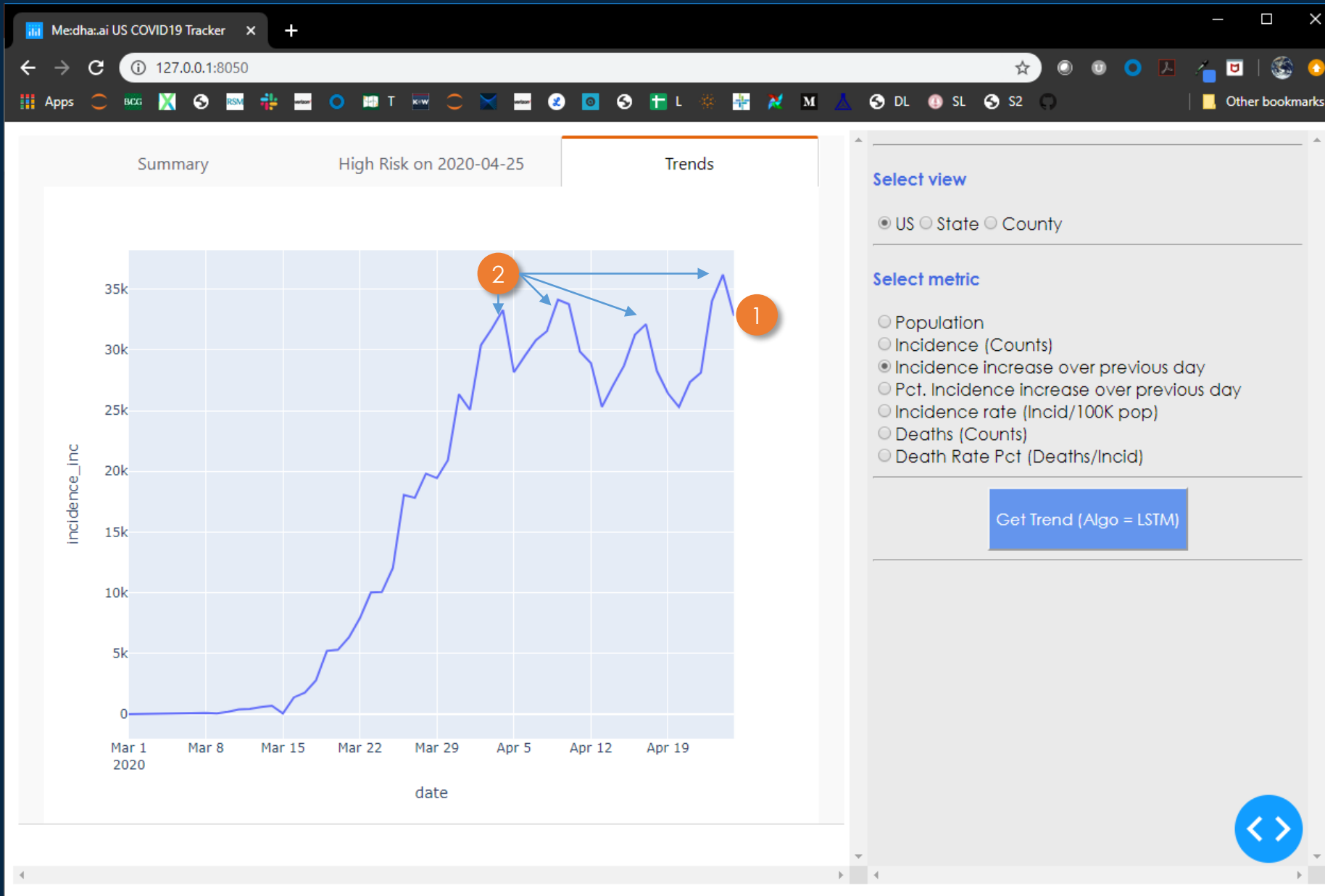


# Incidence counts (actuals vs. predicted) nation-wide



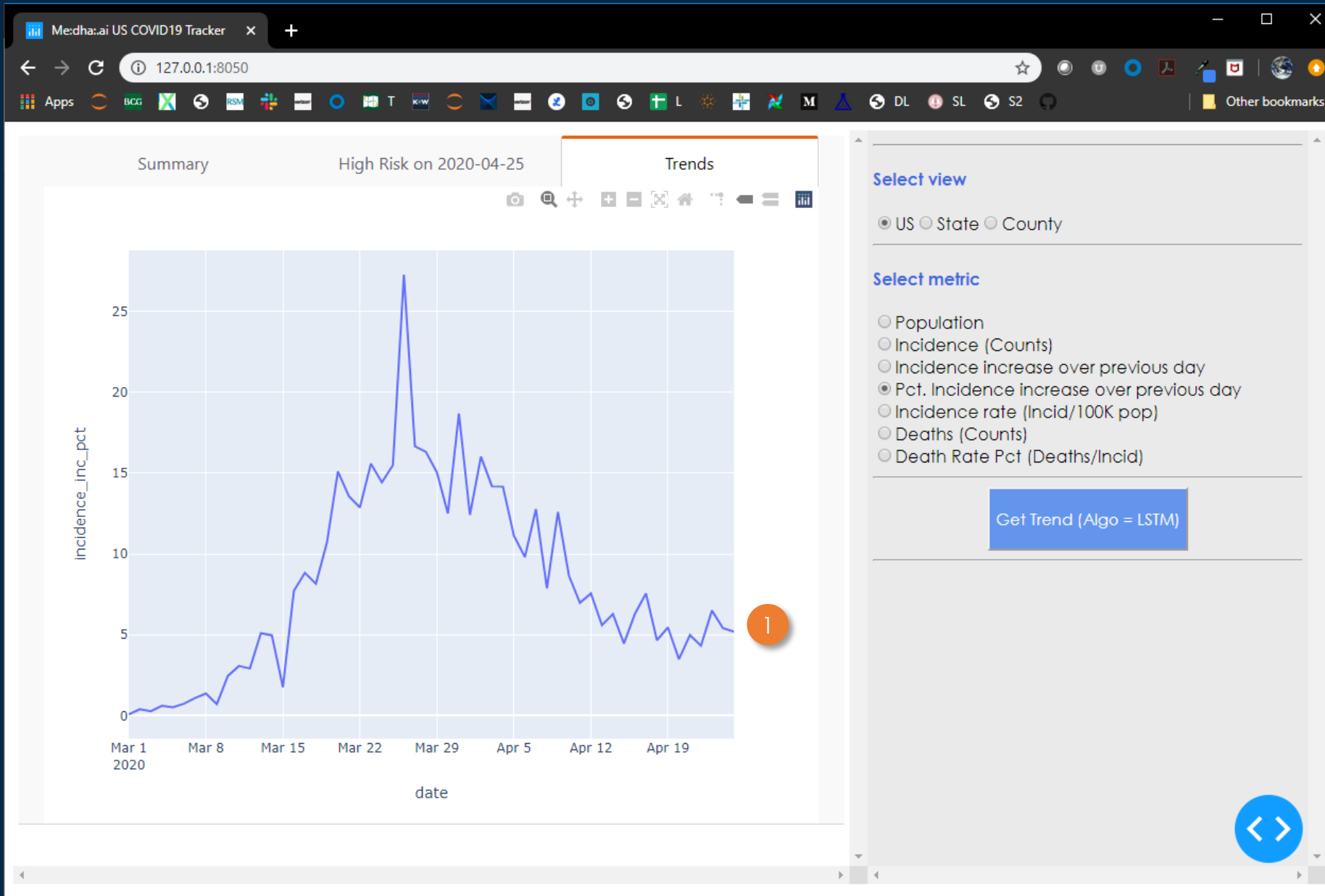
1. From a nation-wide perspective, incidence spread hasn't peaked yet

# Incidence daily increase – nation-wide



1. From a nation-wide perspective, incidence count is still on the rise, albeit steadily
2. The peaks are showing weekly seasonality and correspond to weekends – either stats are updated each weekend or households are making milk runs over the weekend

# Incidence daily increase – nation-wide

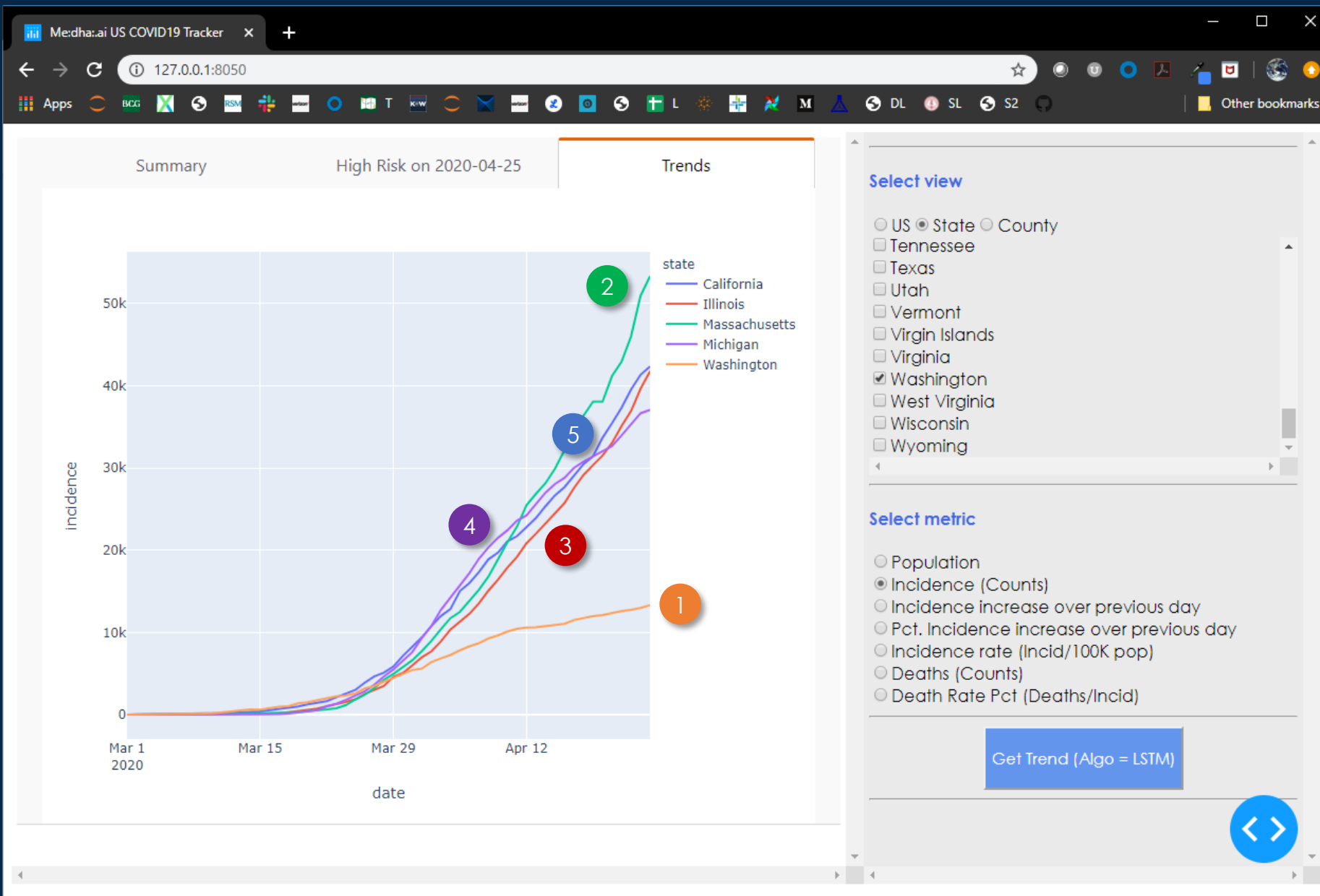


1. While the rate of increase is decreasing, since the prior base is high, the incidence is still spreading at a faster clip

# Breakdown by states



# Incidence count break-down by high-risk states



1. Washington state shows most promise – cumulative case count is almost steady
2. The incidence spread in mass is still on the rise, showing limited signs of abatement
3. Illinois is showing similar trends as that of Mass'
4. Michigan seems to be showing signs of peak
5. California seems to be showing some resurgence

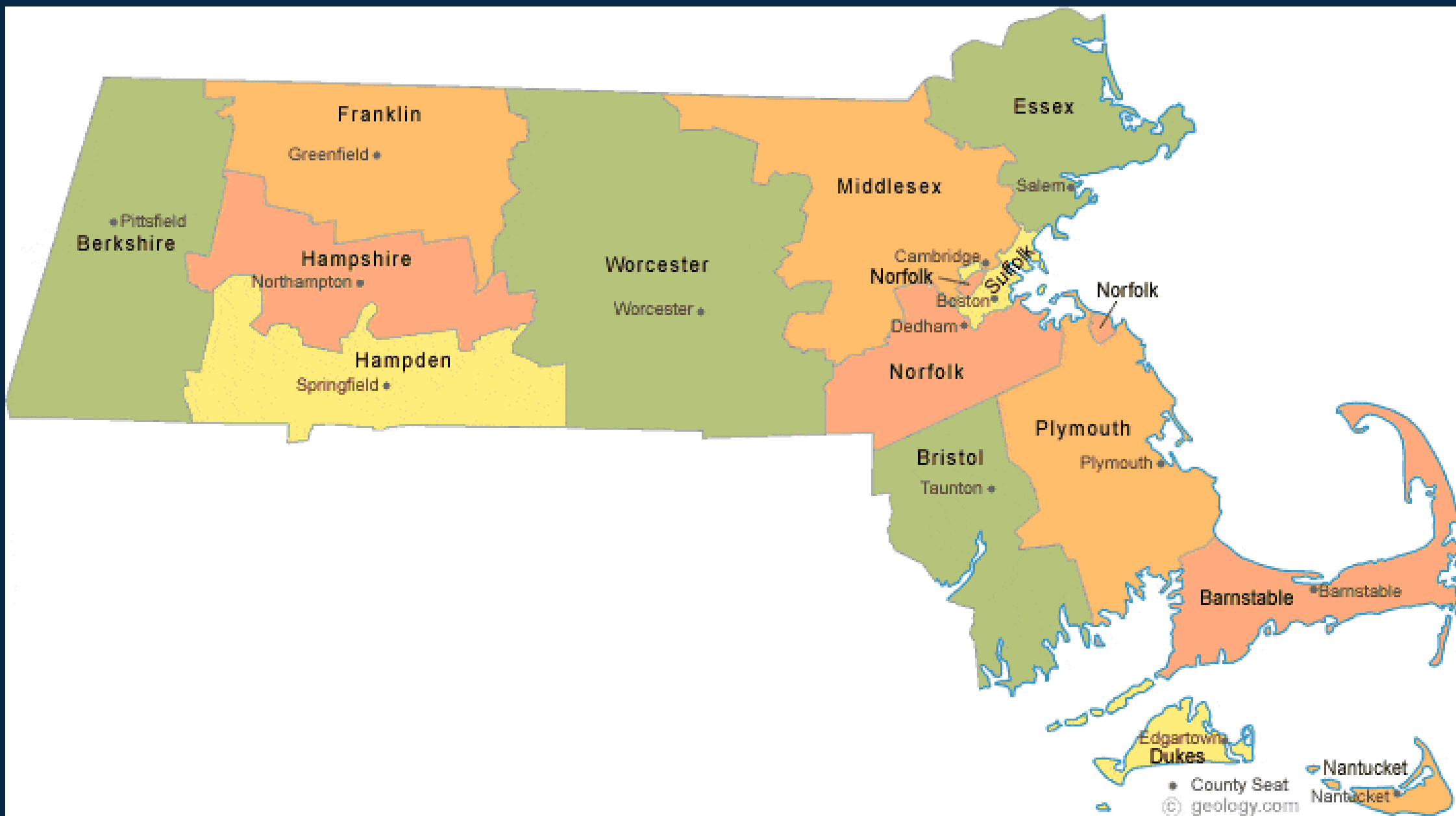
# Incidence daily increase break-down by high-risk states



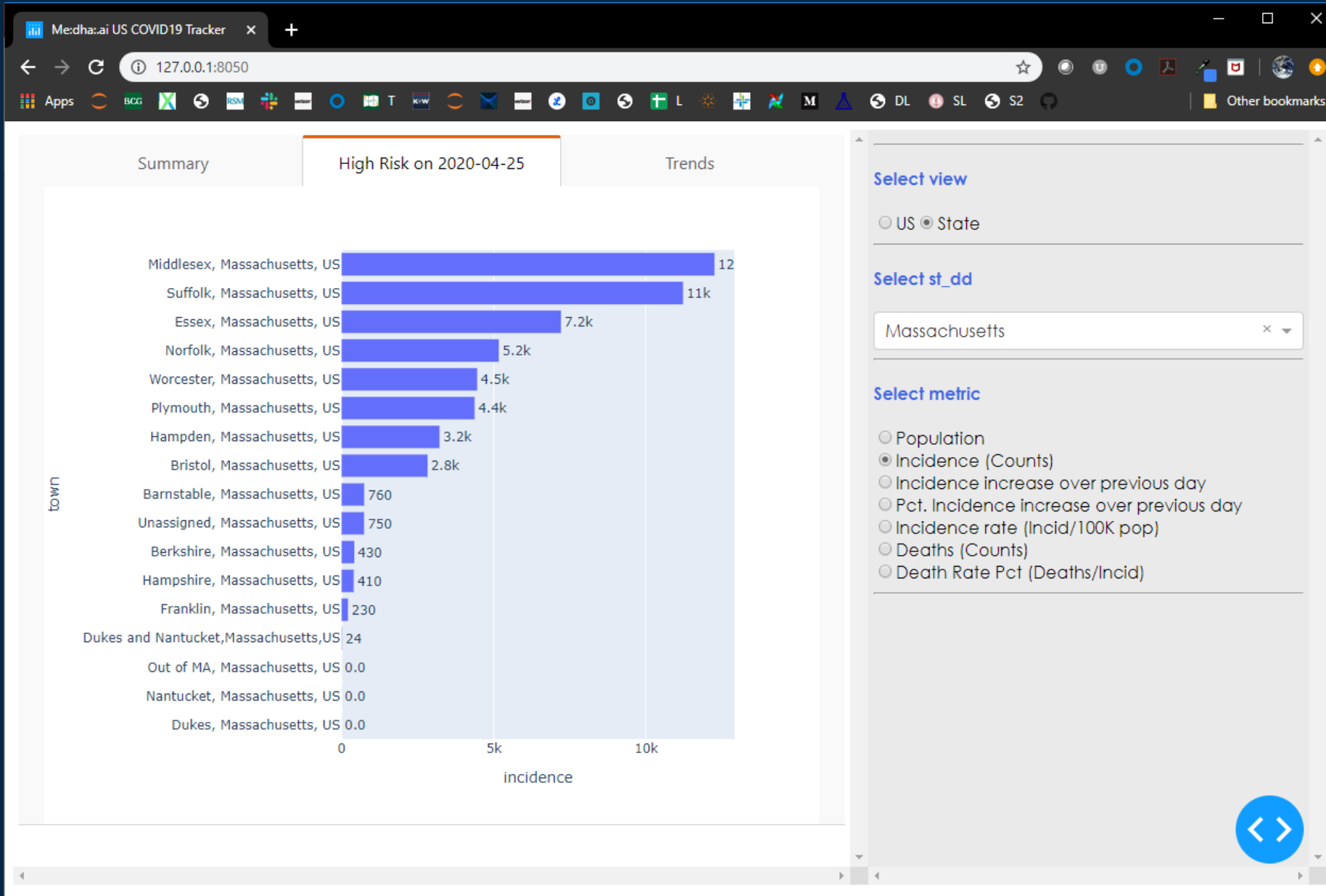
1. Washington state shows most promise – increase is more-or-less in check
2. In Mass, the incidence increase is still on a faster clip
3. Illinois is showing similar trends as that of Mass'
4. Michigan seems to be showing signs of peak
5. California seems to be showing some resurgence



# Counties in Massachusetts



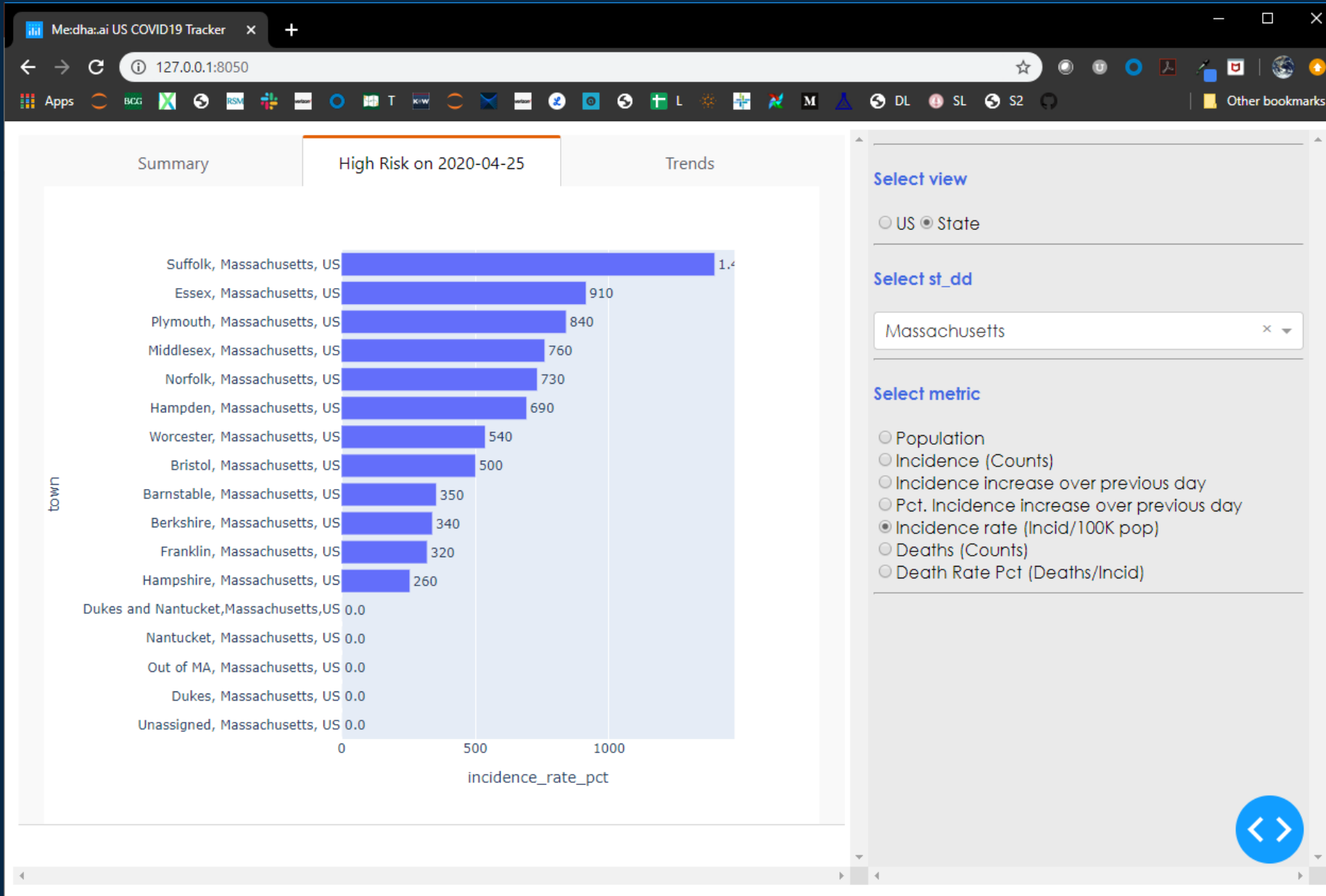
# Incidence by counties in Massachusetts



1. Counties at most risk - Middlesex, Suffolk, Essex, Norfolk and Worcester

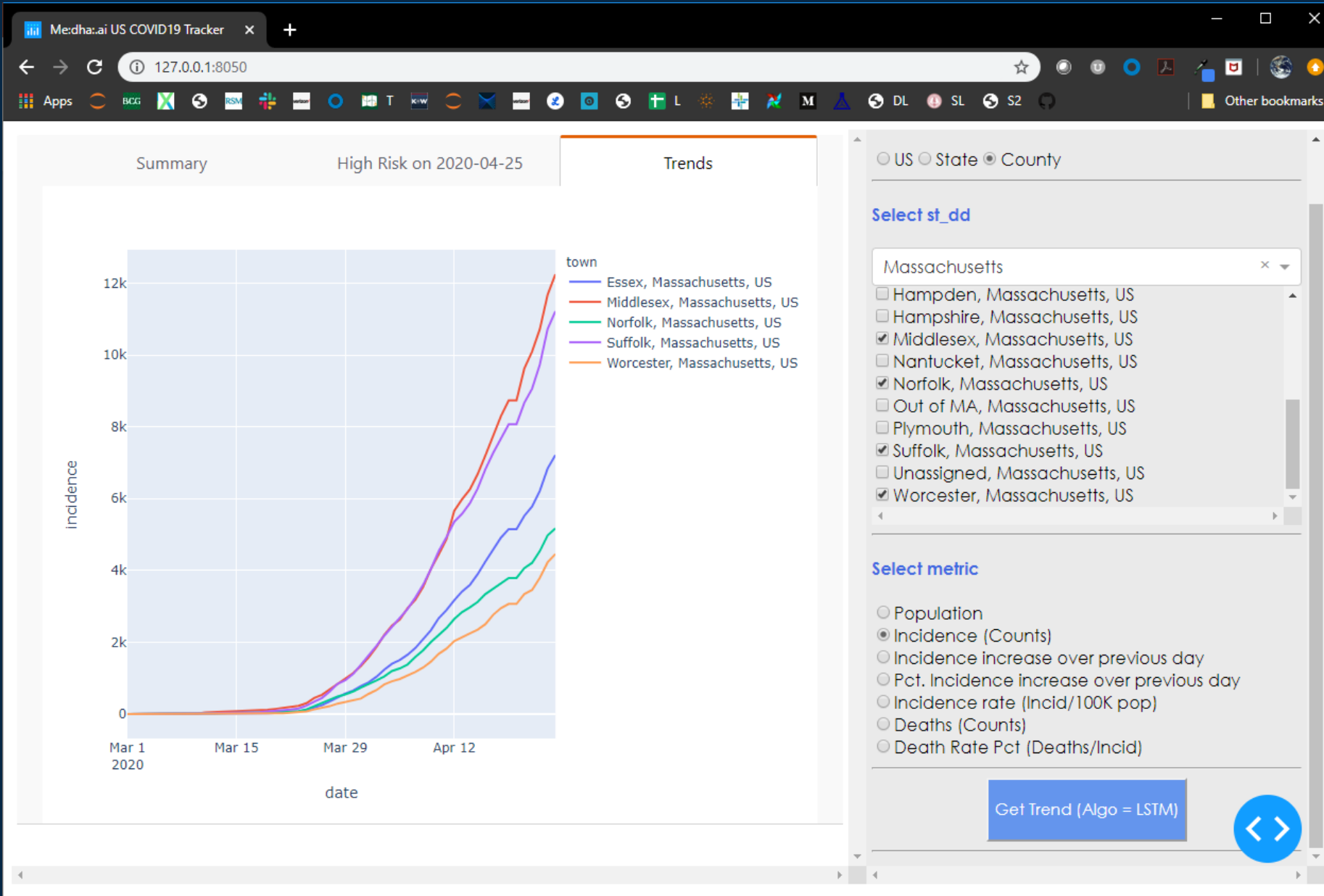


# Incidence rates by counties in Massachusetts



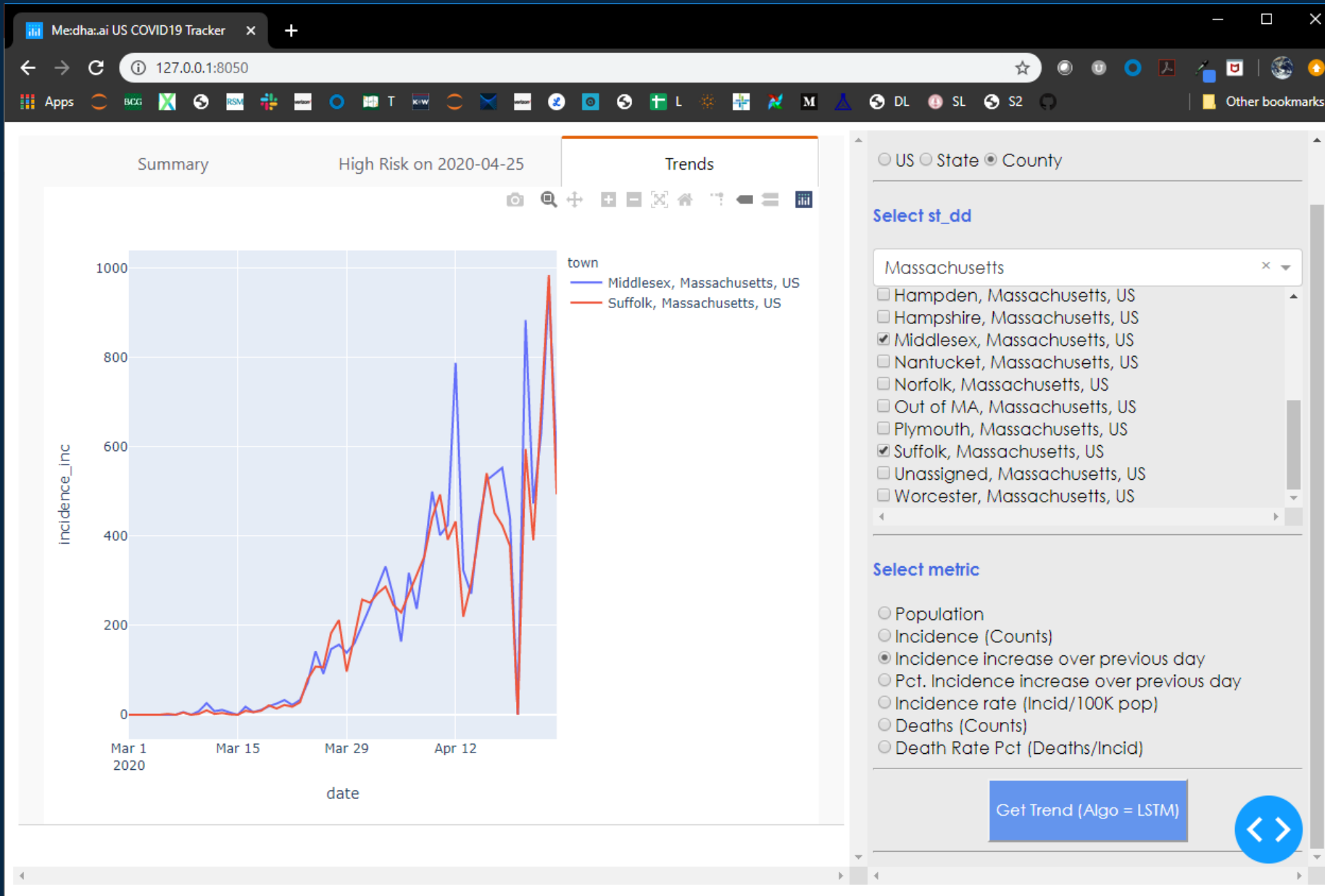
1. Densely populated counties (Suffolk & Essex) have the highest incidence rates

# Incidence daily increase by counties in Massachusetts



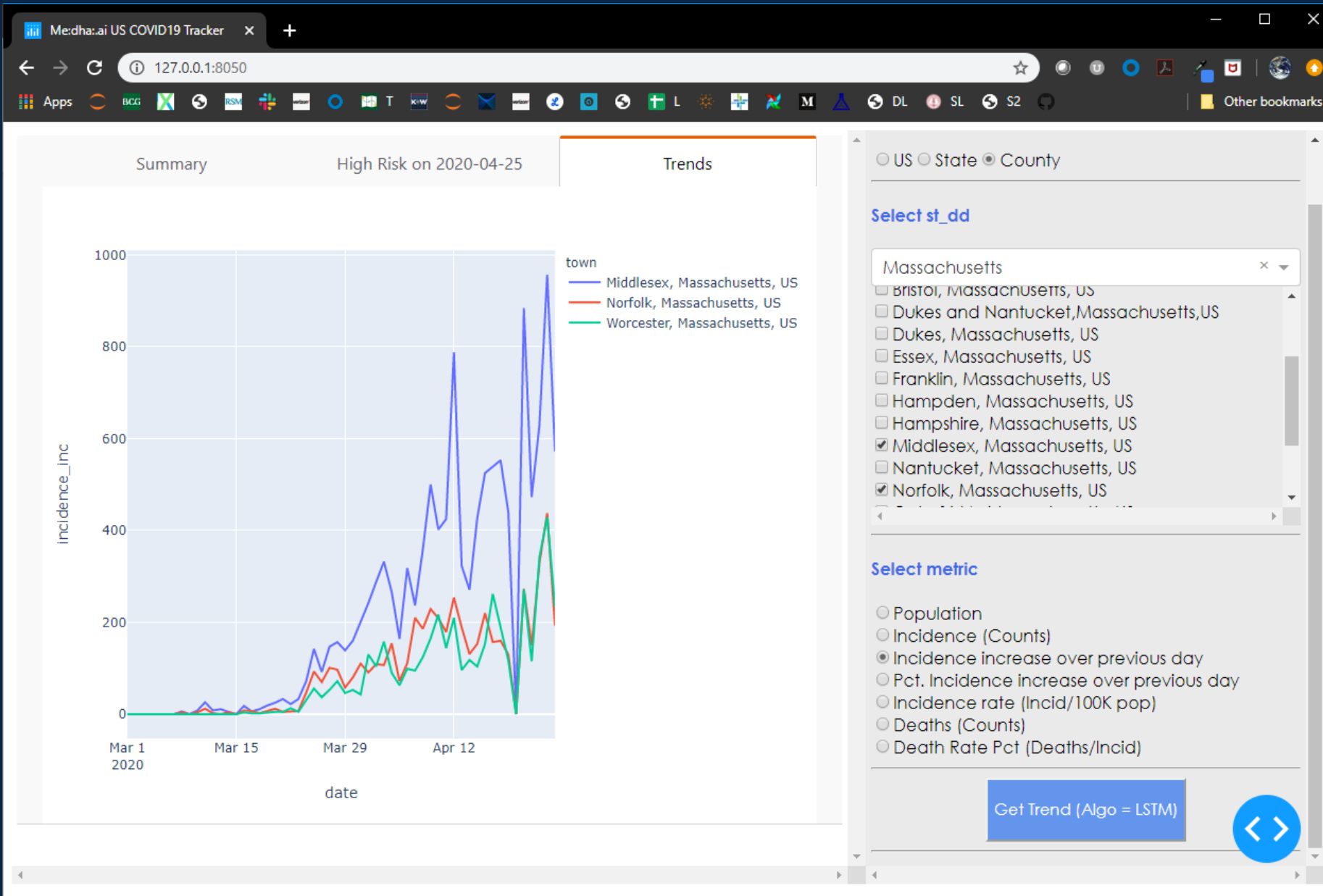
1. Counties at most risk - Middlesex, Suffolk, Essex, Norfolk and Worcester

# Incidence daily increase by select counties in Massachusetts



1. Incidence increases are similar in Middlesex & in Suffolk counties

# Incidence daily increase by select counties in Massachusetts



1. Incidence increases in Norfolk and Worcester counties are very similar, albeit at a much slower clip than that in Middlesex and Suffolk counties