

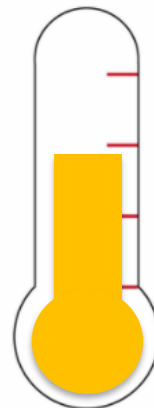


# Southcoast Health COVID-19 Update



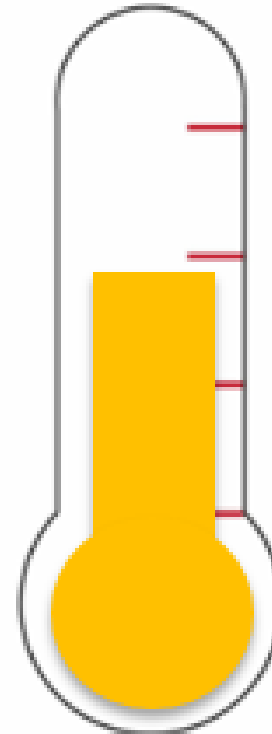
Dani Hackner MD MBA  
Chief Clinical Officer, SHG  
Physician in Chief, Medicine

 **Southcoast<sup>®</sup> Health**  
More than medicine.



# Outline

- + Phases
- + JHU Data
- + DPH Data
- + Testing
- + SC 14 day trends
- + SC bed occupancy
- + Case fatality





# Phases of Reopening

- + Phase 1 Start
- + Phase 2 Cautious
- + Phase 3 **Vigilant**

- + **Statewide Intensive Care Unit (ICU) Bed Capacity:** The 7-day average of the number of available, staffed adult ICU beds statewide must be at least 30% of total staffed adult ICU beds (including staffed surge ICU beds), on an ongoing basis during Phase 3: Vigilant.
- + **Statewide Inpatient Bed Capacity:** The 7-day average of the number of available, staffed adult inpatient beds (adult ICU and adult medical/surgical beds) statewide must be at least 30% of total staffed adult inpatient beds (including staffed surge beds), on an ongoing basis during Phase 3: Vigilant.
- + **Hospital-Specific or Hospital System-Specific Bed Capacity Maintenance:** The 7-day average of the hospital's or hospital system's available, staffed adult inpatient beds (adult ICU and adult medical/surgical beds) must be at least 20% of its total staffed adult inpatient bed capacity (including staffed surge beds) on an ongoing basis during Phase 3: Vigilant.




# A Superspreader Event in MA Went 'Viral'

- + **Genetic data show how a single superspreading event sent coronavirus across Massachusetts — and the nation**
- + Nearly 800 genomes from Boston and its environs show that out of 80 introductions early in the pandemic, most went nowhere. And one exploded...

[washingtonpost.com/climate-environment/2020/08/25/boston-coronavirus-superspreading-event/](https://www.washingtonpost.com/climate-environment/2020/08/25/boston-coronavirus-superspreading-event/)



# In the News

 The Boston Globe

## Lynn emerges as a new center of COVID-19 in Massachusetts

As COVID-19 ravaged Massachusetts in the spring and summer, a blue-collar city north of Boston emerged as the state's worst outbreak.

19 hours ago

NBC10 Boston

## Gov. Baker: No Plans Yet to Move Forward With Mass. Reopening Plan

Gov. Charlie Baker on Tuesday said he had no immediate plan to move forward in the state's reopening process — despite modest gains in the ...

2 hours ago

 Boston.com

## Study finds COVID-19 infection rate in Mass. jails, prisons nearly 3 times that of state's general population

Boston researchers say immediate actions must be taken to address the spread of coronavirus among incarcerated individuals after finding that ...

3 days ago

 The Tennessean

## Sturgis Motorcycle Rally: Up to 6 states tracking coronavirus outbreaks linked to mass event

Sturgis Motorcycle Rally: Up to 6 states tracking coronavirus outbreaks linked to mass event. STEPHEN GROVES. Associated Press.

4 hours ago



# SC 8-25-20

## Inpatient Positive

### Positive Patients in ICU

Report completed: Tue 8/25 07:01 AM

Ventilator Status	Patient Count
v <b>Pedi</b> Ventilated	0
Not Ventilated	0
v <b>Adult</b> Ventilated	1
Not Ventilated	1
SLH	1
<b>Total Patient Count</b>	<b>1</b>

### Positive Patients in Med/Surg

Report completed: Tue 8/25 07:01 AM

Ventilator Status	Patient Count
v <b>Pedi</b> Ventilated	0
Not Ventilated	0
v <b>Adult</b> Ventilated	2
Not Ventilated	2
CMH	1
SLH	1
<b>Total Patient Count</b>	<b>2</b>

## Inpatient PUI

### Patients Under Investigation in ICU

Report completed: Tue 8/25 07:01 AM

Age	Count unique values of MRN
v <b>Pedi</b> Ventilated	0
Not Ventilated	0
v <b>Adult</b> Ventilated	1
Not Ventilated	1
CMH	1
<b>Total Patient Count</b>	<b>1</b>

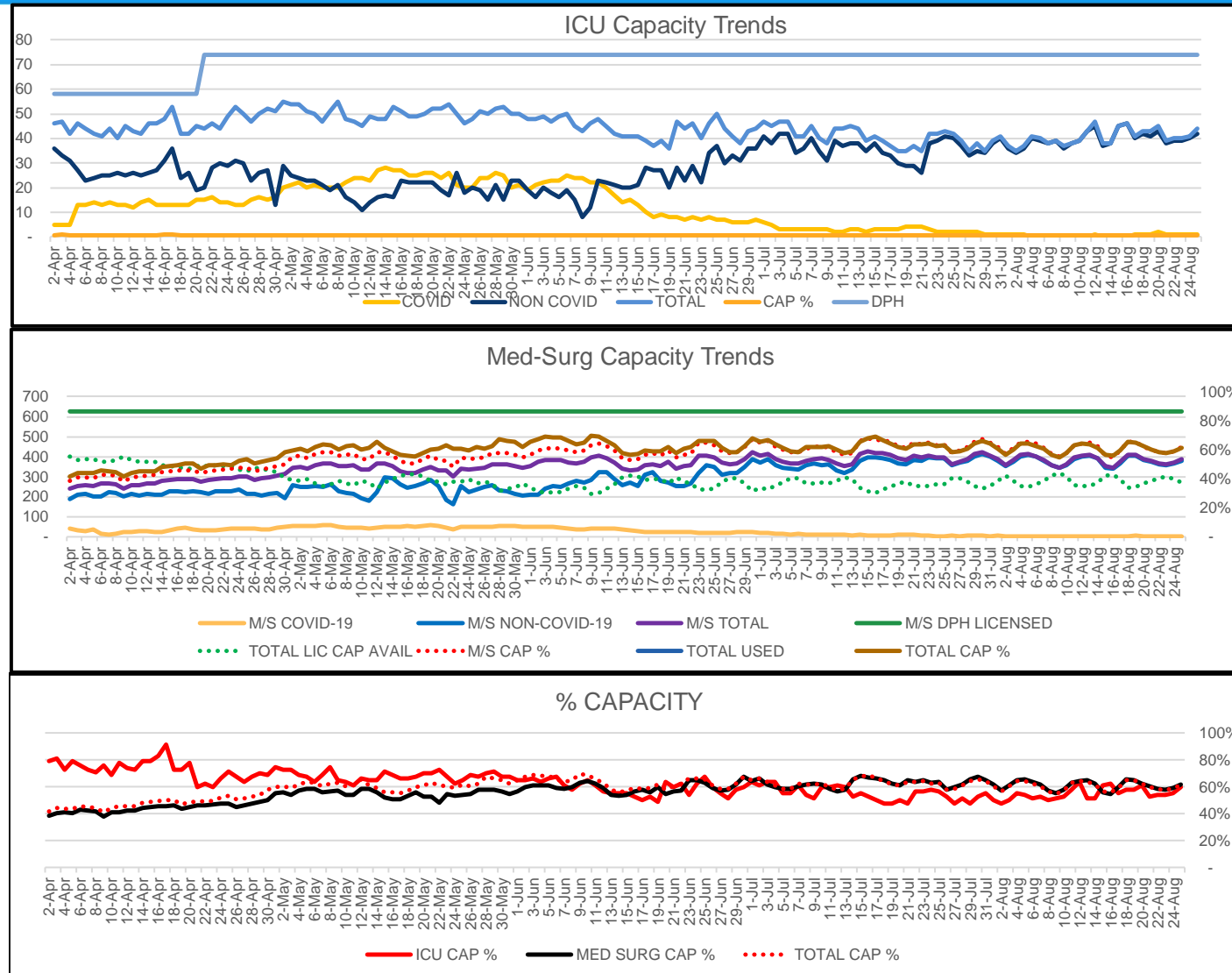
### Patients Under Investigation in Med/Surg

Report completed: Tue 8/25 07:01 AM

Age	Count unique values of MRN
v <b>Pedi</b> Ventilated	0
Not Ventilated	0
v <b>Adult</b> Ventilated	4
Not Ventilated	4
CMH	1
SLH	1
TOH	2
<b>Total Patient Count</b>	<b>4</b>



# SC Bed Occupancy 8-25-2020



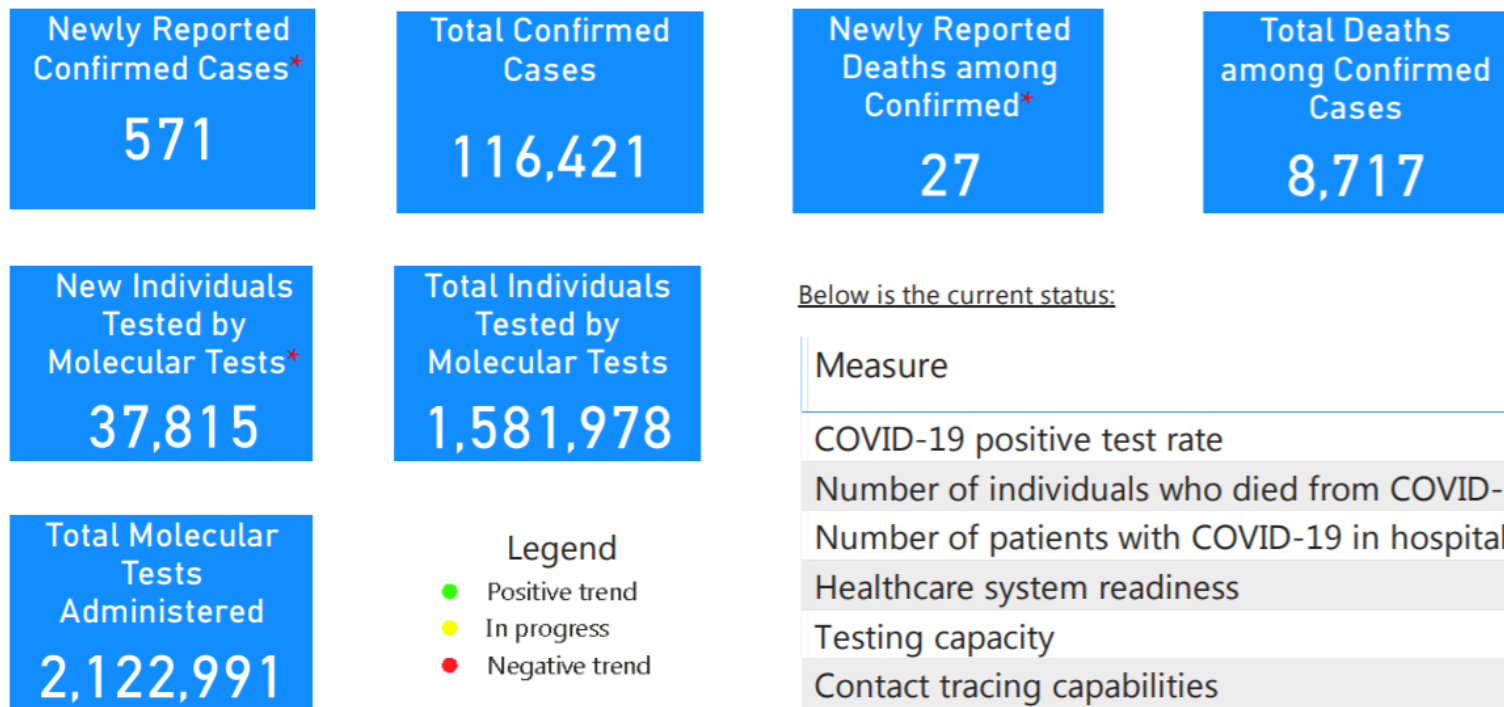
# MA Aug 24 – Increases from 353 8/2 to 571 8/25

## Following 1 day with no cases due to technical update



Massachusetts Department of Public Health COVID-19 Dashboard - Monday, August 24, 2020

### Dashboard of Public Health Indicators



\*These figures are reported for the period 5pm 8/21 through 8am 8/24.

PLEASE NOTE: Due to the planned upgrade by DPH of its electronic laboratory reporting system during the weekend of August 22-23, today's data report includes information reported to DPH over the weekend (from 5PM Friday 8/21 through 8AM Monday 8/24) and so numbers are higher than usual. All laboratory results, cases, and deaths have been assigned to their respective test dates. The front page of the dashboard has been reformatted. Antibody tests (individual and total numbers) can be found on page 17.





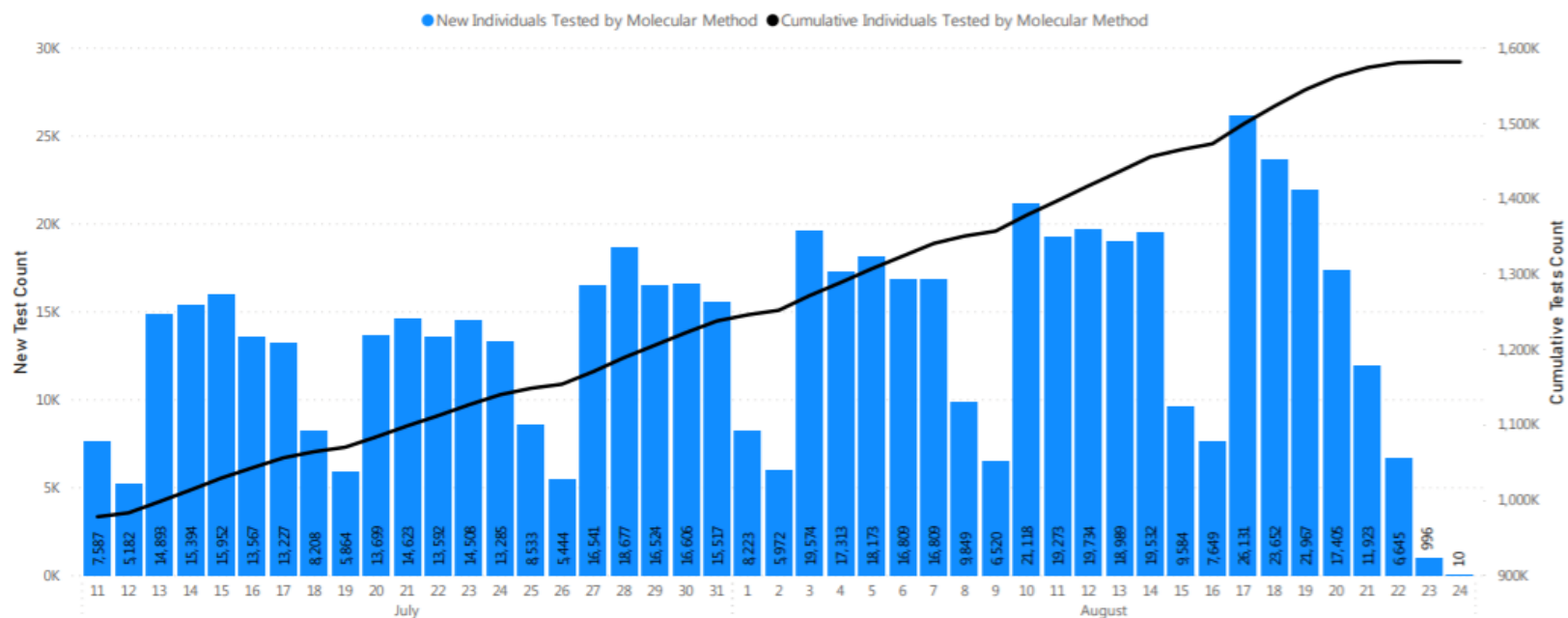
# STATE TESTING Aug 25, 2020



Massachusetts Department of Public Health COVID-19 Dashboard - Monday, August 24, 2020

## Testing by Date - Molecular (Individuals)

Total Number of Individuals with at Least One Molecular Test Performed by Date



Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.  
 Note: all data are current as of 8:00am on the date at the top of the page. Data previously shown according to date report received; data now presented according to date the individual was tested. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. Testing by Date - Molecular (Individual) counts the number of individuals with at least one molecular test; Testing by Date - Molecular (Total Tests Conducted) counts the total number of molecular tests performed. This includes individuals who have had more than one molecular test.



# SC 14-Day Trends 8-25-2020

COVID Positive Patient with 14 day trend (Relative to yesterday)

Total Positive Patients

44

14 Days COVID-19 Positive Cases by Date



14 Days COVID-19 Positive Cases(%) by Date



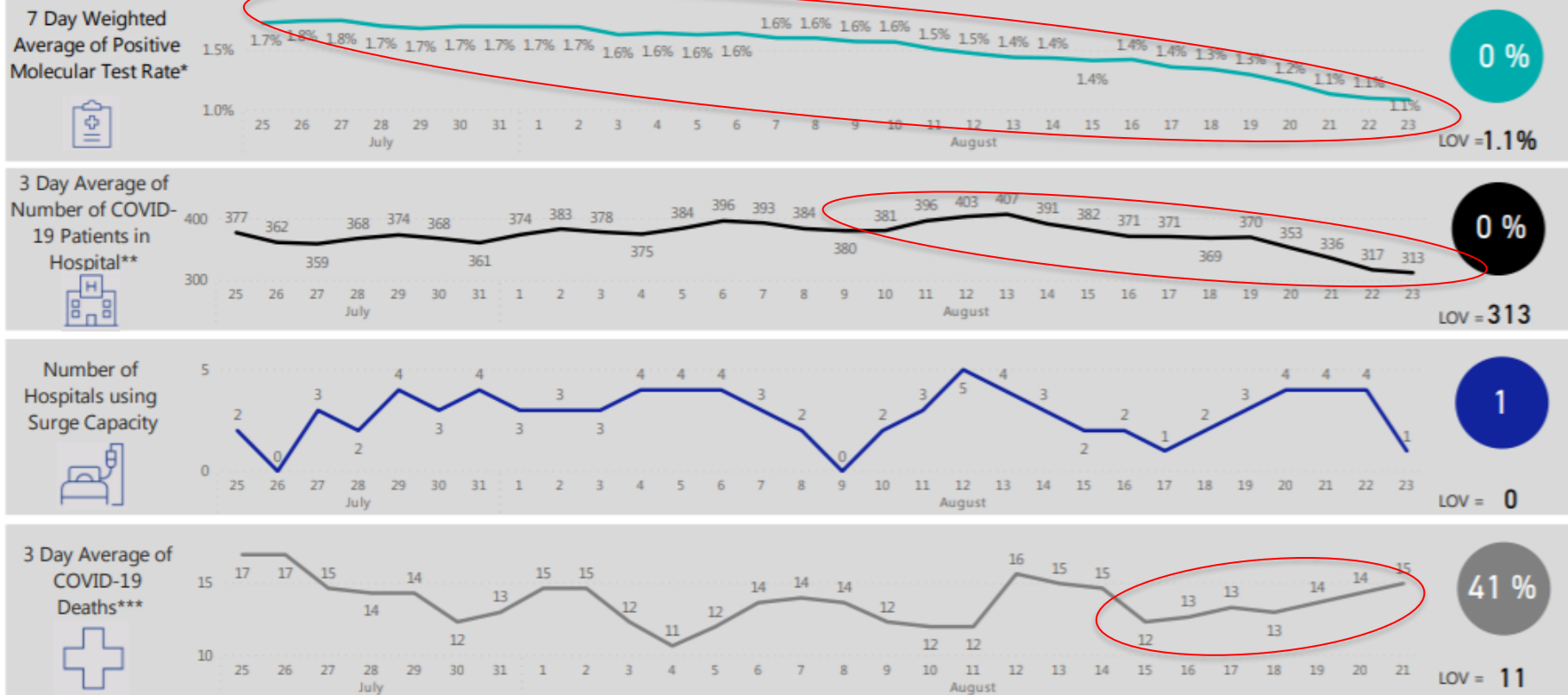
# MA Public Health Indicators: Aug 25



## Massachusetts Department of Public Health COVID-19 Dashboard - Monday, August 24, 2020

### Dashboard of Public Health Indicators







Percent or Count of Change Since  
Lowest Observed Value (LOV)



\*Calculated from total molecular tests; \*\*Includes both confirmed and suspected cases of COVID-19; \*\*\*Includes deaths in only confirmed cases of COVID-19  
 Note: Hospital-reported data included here reflects a transition to new federal reporting standards imposed as of 7/22. The third graph (number of hospitals using surge) does not include data from July 22 due to this transition. As a result, data may not be directly comparable to hospital data previously reported. LOV = Lowest observed value, i.e. the lowest value the public health indicator has been since tracking started.



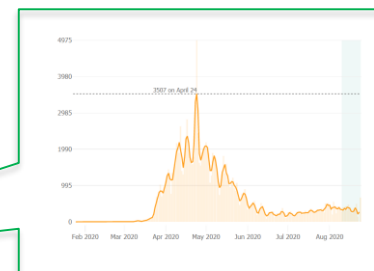
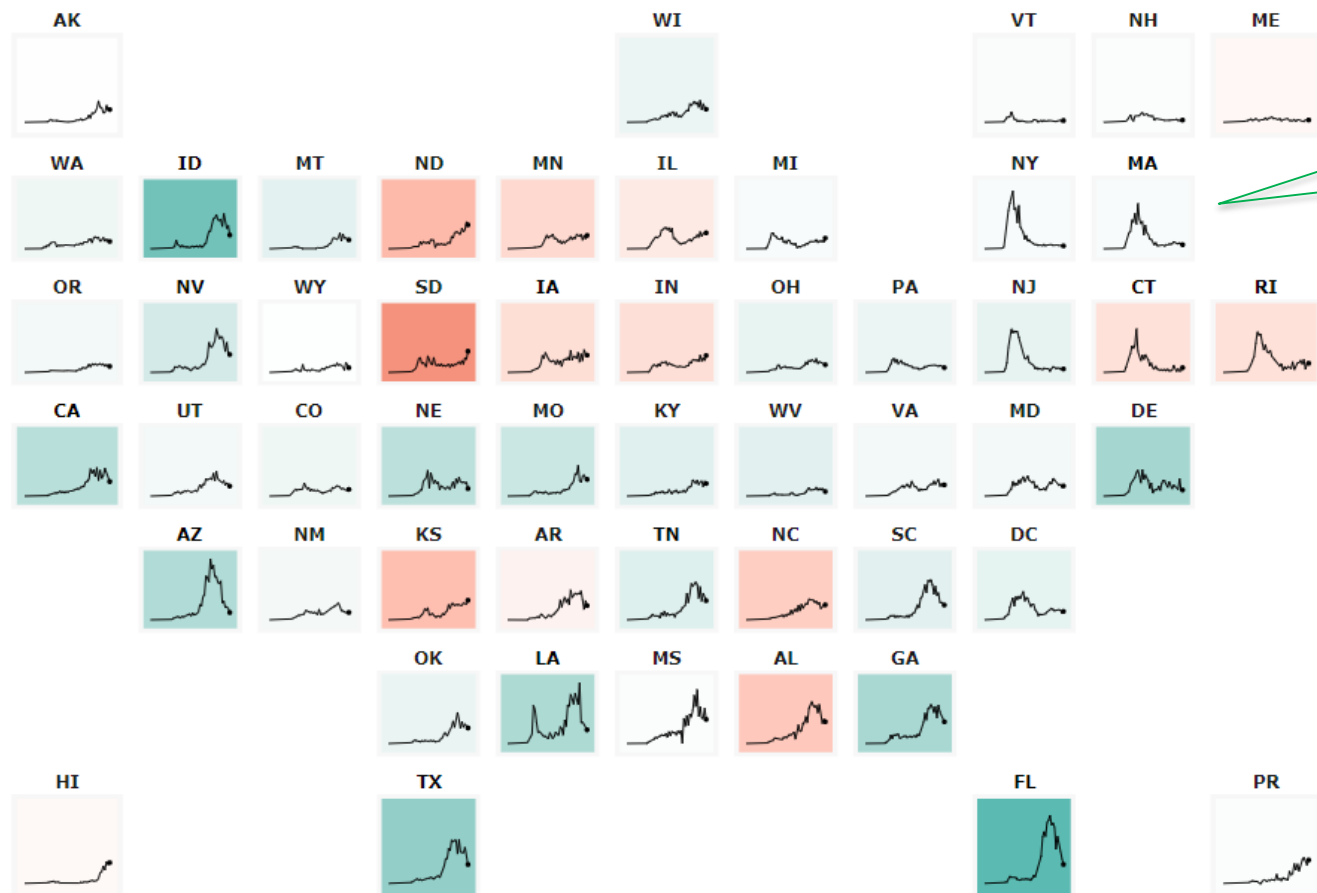
# 8/2/2020 Trends (JHU)

State ↑	New Cases <i>i</i> ↑ New daily cases Weekly trend	Tests per 1,000 people ↑ Daily Tests Weekly trend	Percent Positive <i>i</i> ↑ Daily % positive Above threshold?
Massachusetts ↓	 +662 new THIS WEEK ↓ LAST WEEK →	 2.6 tests per 1,000 THIS WEEK → LAST WEEK ↗	 2.1% positive THIS WEEK ↓ LAST WEEK ↓
Rhode Island ↓	 +280 new THIS WEEK ↗ LAST WEEK →	 5.8 tests per 1,000 THIS WEEK ↗ LAST WEEK →	 1.7% positive THIS WEEK ↓ LAST WEEK ↓



# United States 8/2020 (JHU)

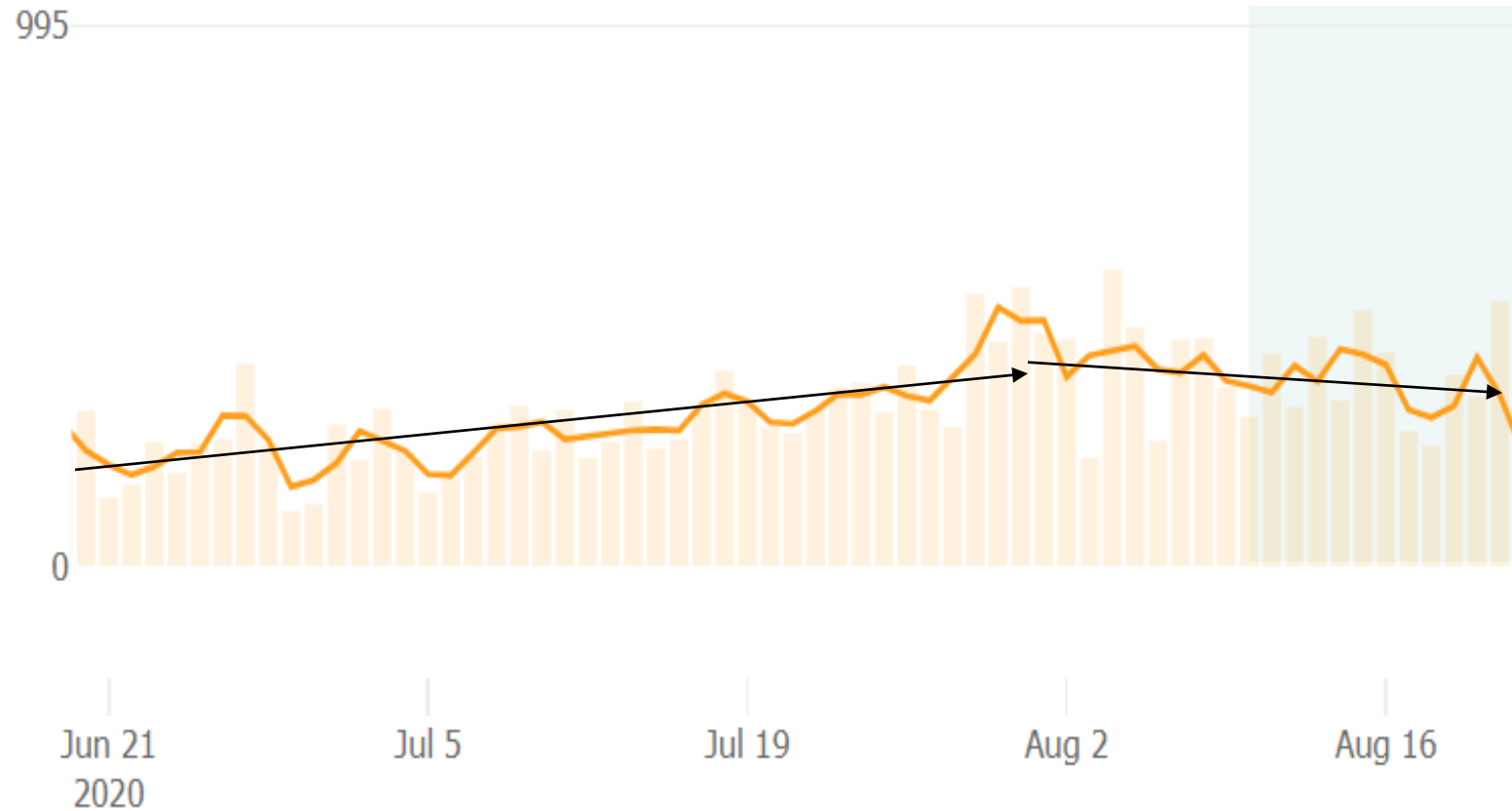
Daily New Cases per 100k people. Data shown from 1/22/20 to 8/24/20.



- Line shows 3-day moving average of **new cases per day** in this state. Dot corresponds to most recent day.
- The **greener** the background, the bigger the **downward trend** of new cases in this state.
- The **redder** the background, the bigger the **upward trend** of new cases in this state.

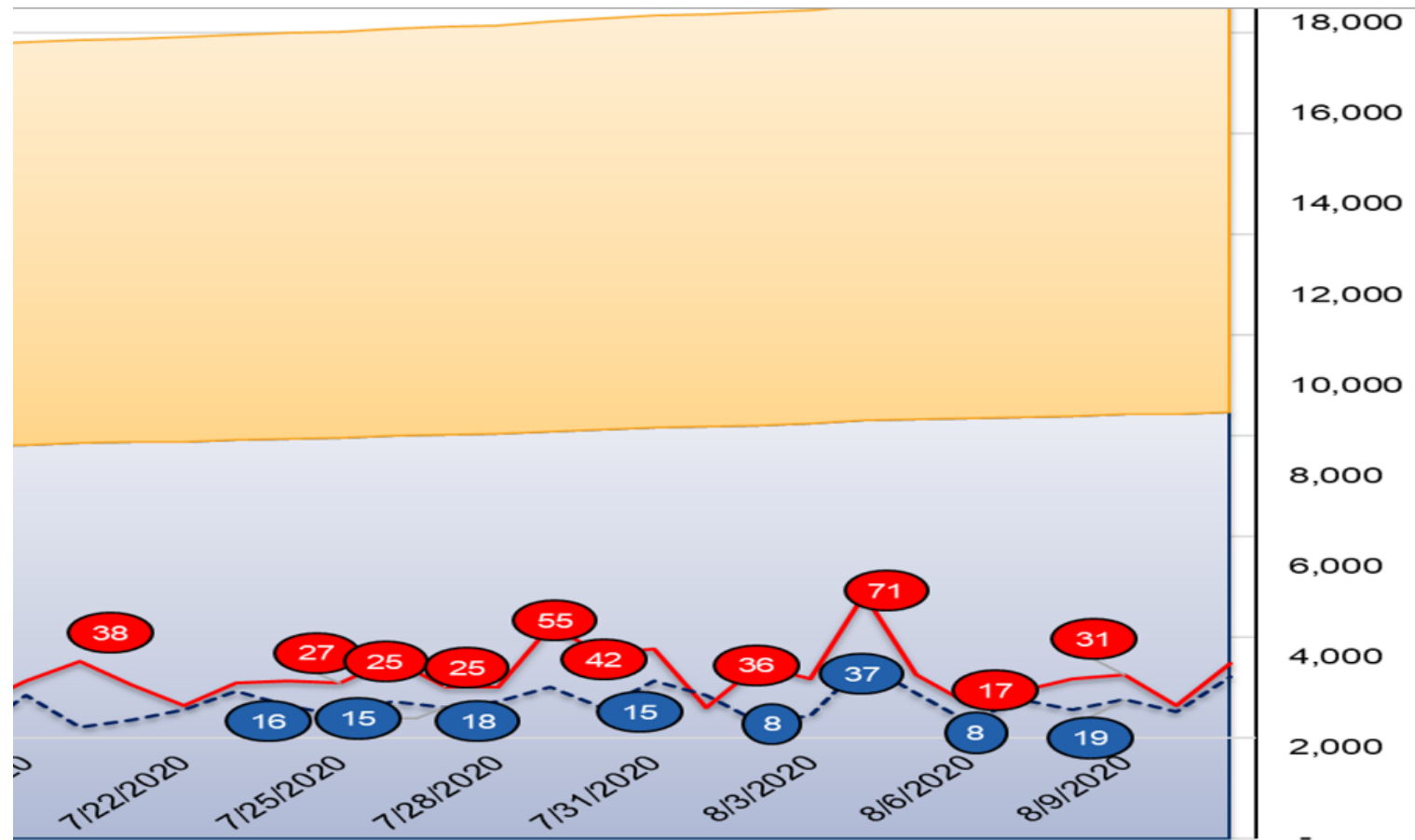
# Trend by State – MA 8/25

Daily confirmed new cases (3-day moving average)





# Bristol and Plymouth Total Cases 8-25-2020





# MA County Trend: Rolling 3 Day Average Cases / County 8/25/2020







# City Rate of Increase of Cases – 8/25/2020

County	City	Population	Pop Density/Sq Mi (Land Area)	Cases	Cases/1000	TREND
Bristol	Acushnet	10,559	7,436	103	9.8	
Bristol	Dartmouth	34,288	563	412	12.0	
Bristol	Fairhaven	16,074	1,303	251	15.6	
Bristol	Fall River	87,982	2,656	1855	21.1	
Bristol	Freetown	4,814	140	112	23.3	
Plymouth	Lakeville	11,510	389	63	5.5	
Plymouth	Marion	5,129	367	16	3.1	
Plymouth	Mattapoisett	6,279	1,383	42	6.7	
Bristol	New Bedford	94,707	4,735	2295	24.2	
Plymouth	Rochester	5,515	164	40	7.3	
Bristol	Somerset	18,021	2,281	219	12.2	
Bristol	Swansea	16,699	5,529	150	9.0	
Plymouth	Wareham	20,311	566	225	11.1	
Bristol	Westport	16,326	328	107	6.6	



# MA Deaths – Aug 25

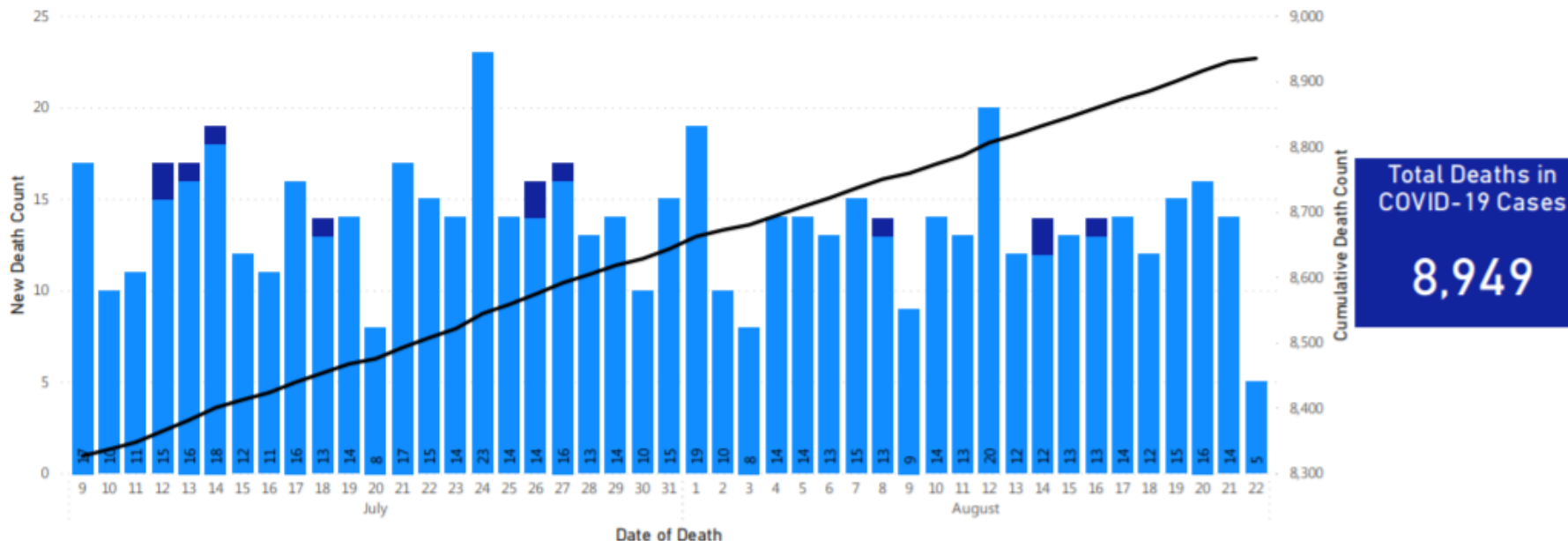


Massachusetts Department of Public Health COVID-19 Dashboard - Monday, August 24, 2020

## Daily and Cumulative Deaths

Total Deaths\* in COVID-19 Cases by Date of Death

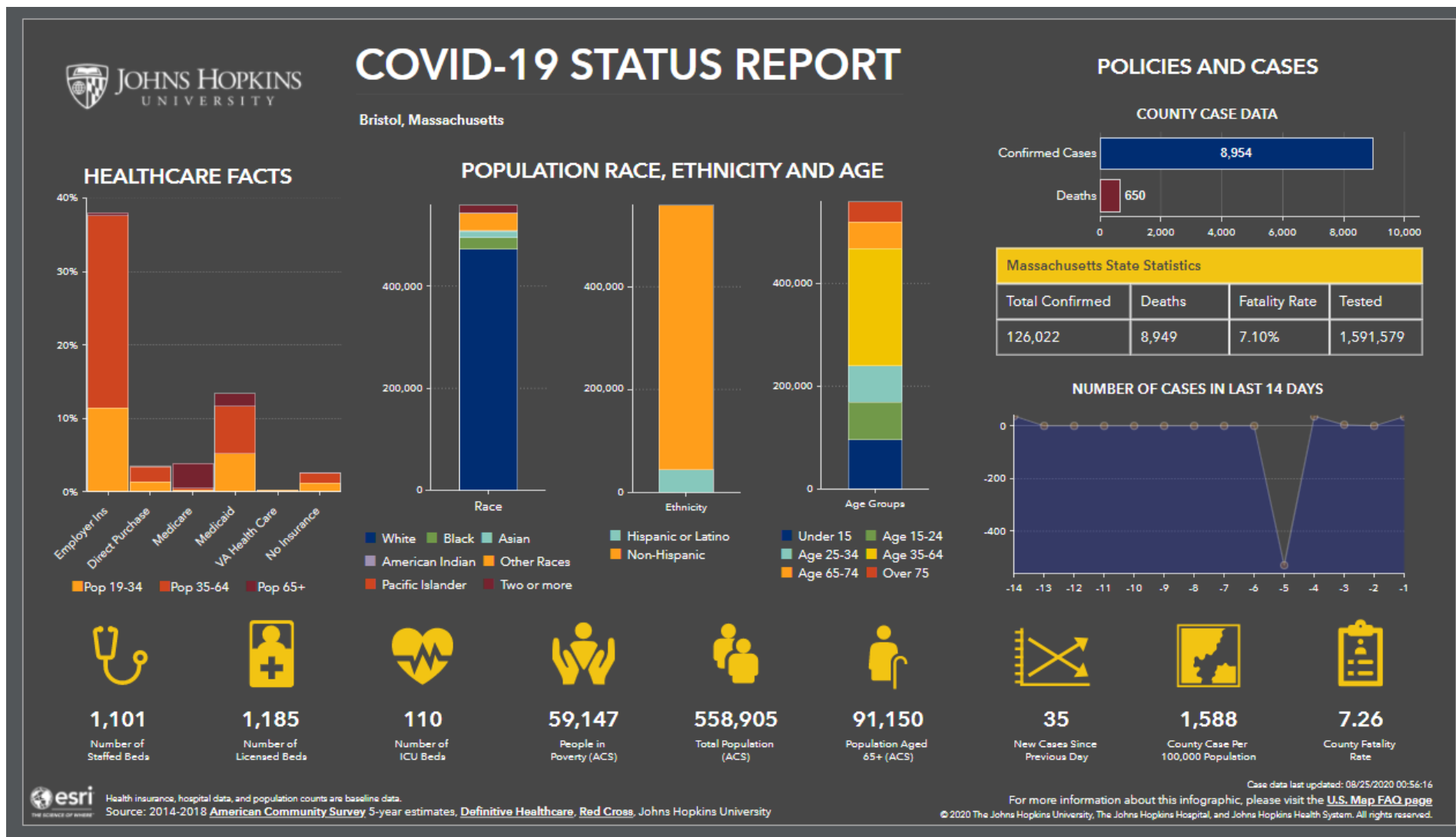
● New Confirmed Deaths ● New Probable Deaths ● Total Deaths



Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; Tables and Figures created by the Office of Population Health  
Note: all data are current as of 8:00am on the date at the top of the page; \*Counts on the trend chart do not match total number of deaths reported, as there is a several day lag in reporting by date of death. Includes both probable and confirmed cases. For confirmed and probable case definitions, please see the Glossary on p. 4.



# JHU Dashboard 8/25 – Bristol, MA



# Mortality 8/25

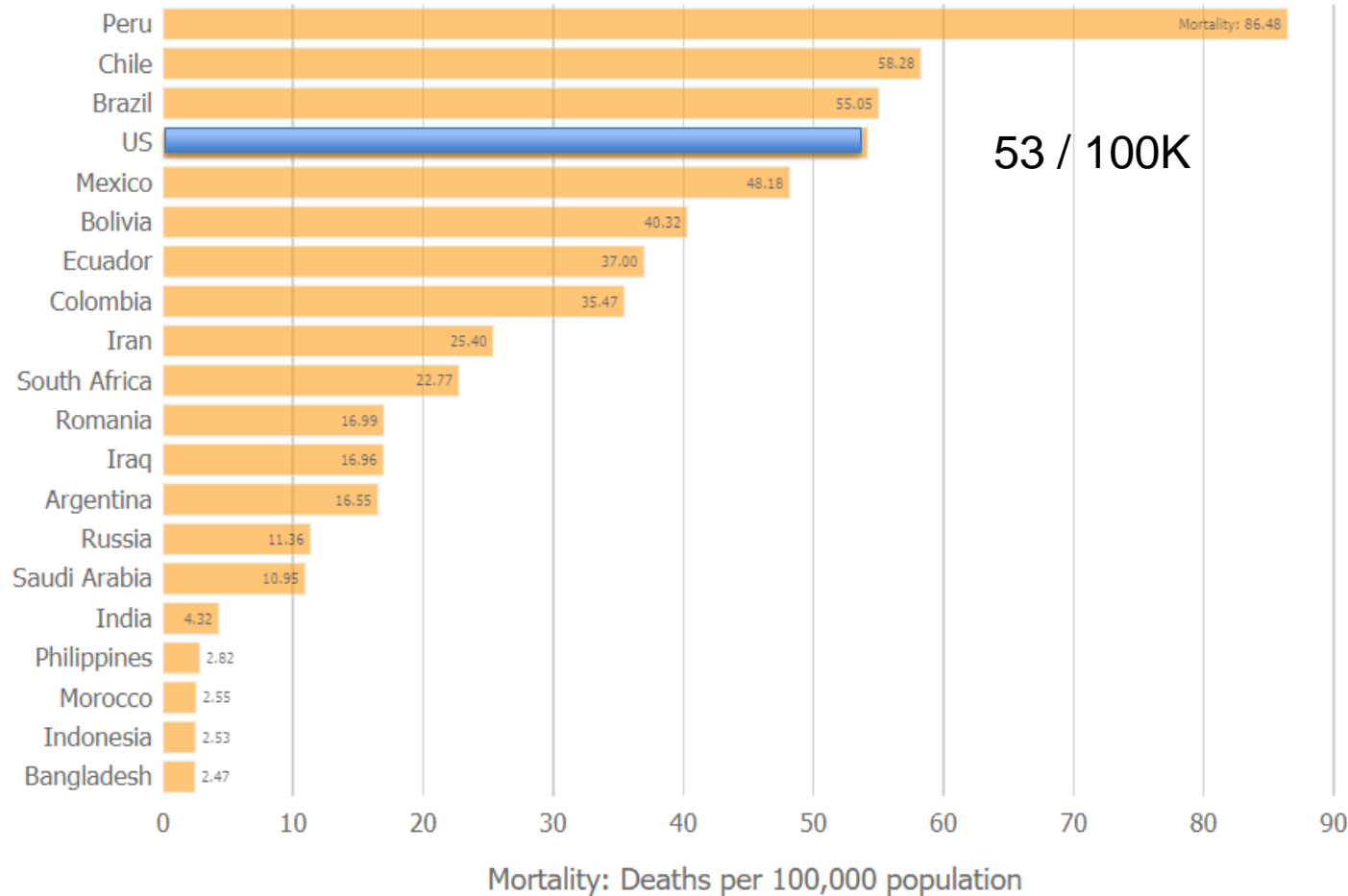


## Case Fatality

Bristol, MA 7.26%  
MA 7.10%  
SC 8.40%

## Deaths/100K

Bristol 118  
SC 59-118  
(150-300K catchment)



# Mortality 7-20

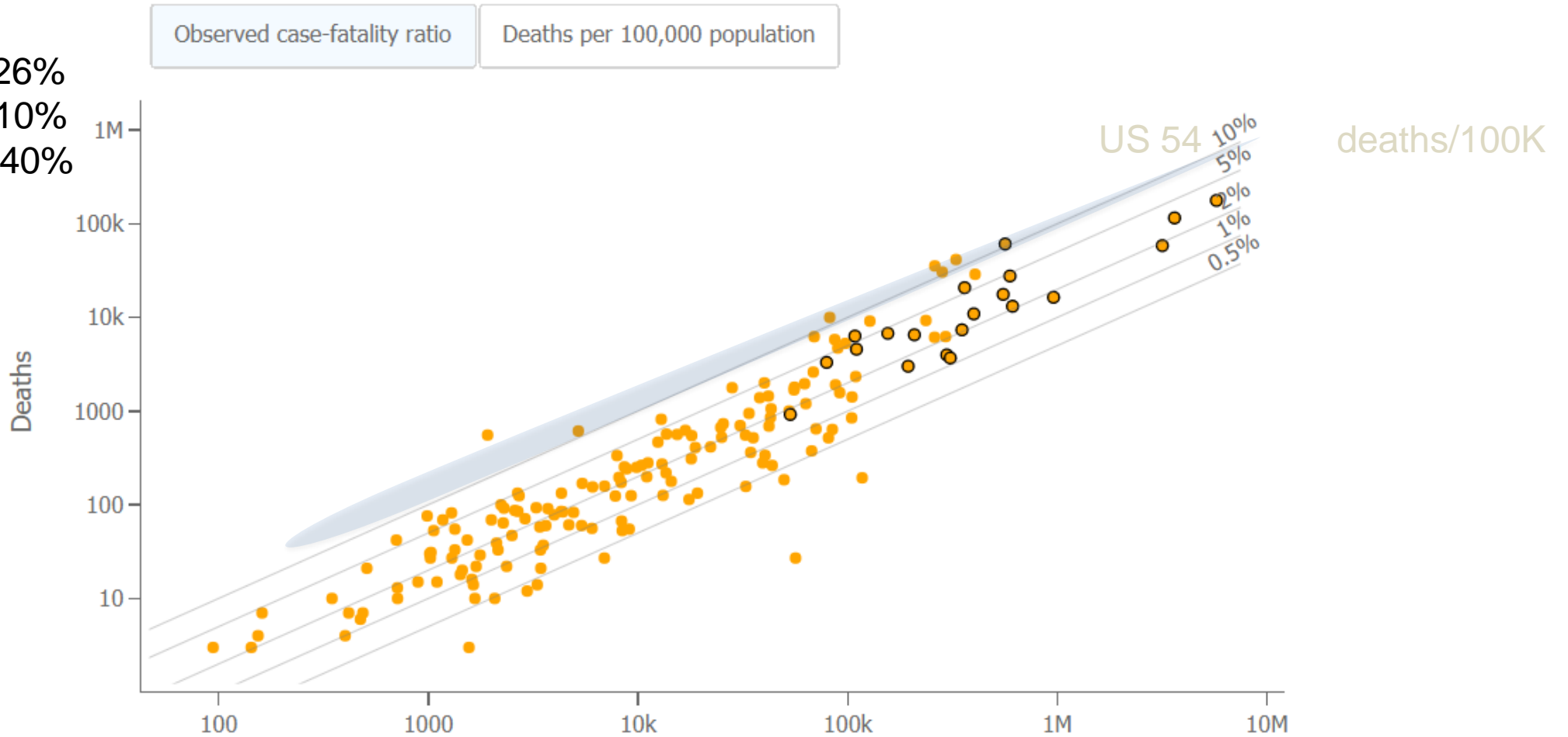


## Case Fatality

Bristol, MA 7.26%  
MA 7.10%  
SC 8.40%

## Deaths/100K

Bristol 118  
SC 59-118  
(150-300K catchment)





# Summary

- + As we open up, we have seen increases
- + We are still seeing superspreader events
- + Please be safe at work and at home
- + Southcoast has approved an enhanced flu vaccination policy
- + We will need to plan for Flu and COVID-19 together



Millinocket Lake, about 200 miles north of Portland, ME linked to at least 53 new cases and a death

<https://www.npr.org/sections/coronavirus-live-updates/2020/08/24/905494669/53-coronavirus-cases-reportedly-linked-to-maine-wedding-reception>