



NOTE TO READERS:

Today, the Department of Public Health will begin reporting both confirmed and probable COVID-19 cases and deaths. This change is in accordance with guidance from the Centers for Disease Control to include “probable” COVID-19 cases and deaths in data collection and reporting efforts.

This change will increase the number of cases and deaths reported in Massachusetts. Today’s newly reported totals are a result of a retrospective review of probable cases and deaths dating back to March 1, 2020.

Probable cases are individuals who have not been tested by the standard viral (molecular) test. They have either 1) had a positive antibody test and either had COVID symptoms or were likely to be exposed to a positive case or 2) did not have an antibody test but had COVID symptoms and were known to be exposed to a positive case.

Probable cases also include individuals whose death certificate listed COVID-19 as a cause of death but who were not tested.

Also included is data on the total number daily and cumulative COVID-19 antibody tests performed. Antibody tests are blood tests used to determine if a person had COVID-19 in the past and now has antibodies against the virus.

Molecular, or viral, testing, which is performed by nasal swab, is conducted to determine if an individual is currently infected with COVID-19. Since the beginning of the pandemic, DPH has reported on the number of confirmed cases and deaths that had a POSITIVE COVID-19 molecular test result.



Dashboard of Public Health Indicators

Below is the status as of June 1, 2020:

Indicator	Measure	Status
1	COVID-19 positive test rate	●
2	Number of individuals who died from COVID-19	●
3	Number of patients with COVID-19 in hospitals	●
4	Healthcare system readiness	●
5	Testing capacity	●
6	Contact tracing capabilities	●

Legend

- Positive trend
- In progress
- Negative trend

Newly Reported Cases*

3,840

Total Cases

100,805

Newly Reported Deaths*

189

Total Deaths

7,035

New Patients Tested by Molecular Tests

7,066

Total Patients Tested by Molecular Tests

599,919

New Patients Tested by Antibody Tests

202

Total Patients Tested by Antibody Tests

45,680

*Since this is the first day that the dashboard includes probable cases, the number of newly reported cases and deaths includes all probable cases and deaths from March 1 forward. Note that the number of newly reported cases and deaths counted as confirmed or probable are reported to page 3.



Confirmed and Probable Case Breakdown

Confirmed

Newly Reported Confirmed Cases Today 326	Total Confirmed Cases 97,291
Newly Reported Deaths among Confirmed Today 48	Total Deaths among Confirmed Cases 6,894

Probable

Newly Reported Probable Cases* 3,514	Total Probable Cases 3,514
Newly Reported Deaths among Probable* 141	Total Deaths among Probable Cases 141

Patients with a positive molecular test for COVID-19 are counted as confirmed.

Patients with a positive serology/antibody test and either COVID-like symptoms or likely exposure to COVID-19 are counted as probable cases.

Patients who did not have a laboratory test but whose death certificate listed COVID-19 as a cause of death are counted as probable deaths.

Probable cases are included in all counts from March 1 onward.

For more information on Confirmed and Probable case definitions, see https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01_COVID-19.pdf

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 10:00am. * Since this is the first day that the dashboard includes probable cases, the number of newly reported cases and deaths includes all probable cases and deaths from March 1 forward.

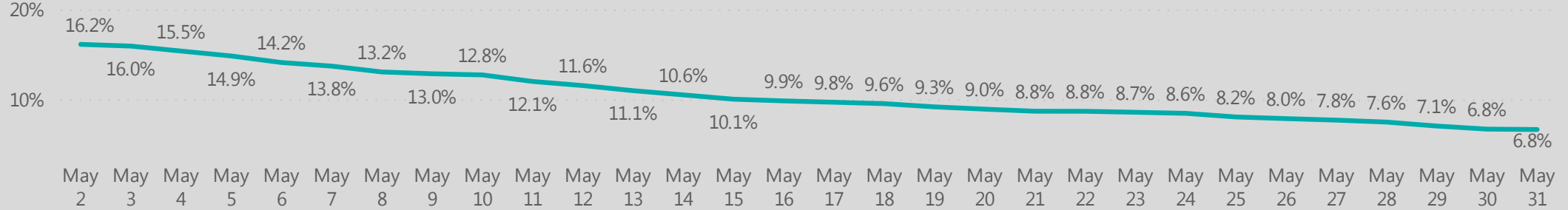


Massachusetts Department of Public Health COVID-19 Dashboard - Monday, June 01, 2020

Dashboard of Public Health Indicators

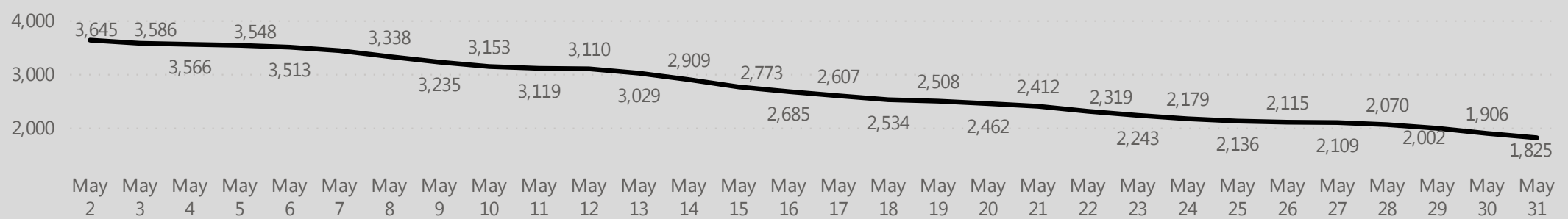
Percent Change Since April 15th

7 Day Weighted Average of Positive Molecular Test Rate



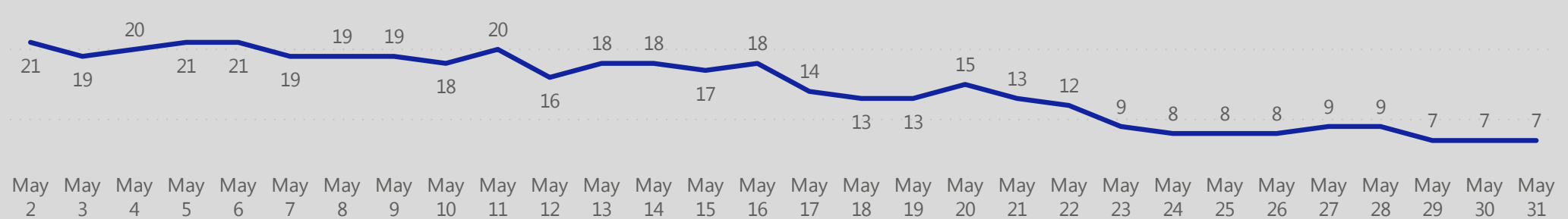
-76 %

3 Day Average of Number of COVID-19 Patients in Hospital*



-49 %

Number of Hospitals using Surge Capacity



-67 %

3 Day Average of COVID-19 Deaths**



-67 %

*Includes both confirmed and suspected cases of COVID-19; **Includes deaths in only confirmed cases of COVID-19



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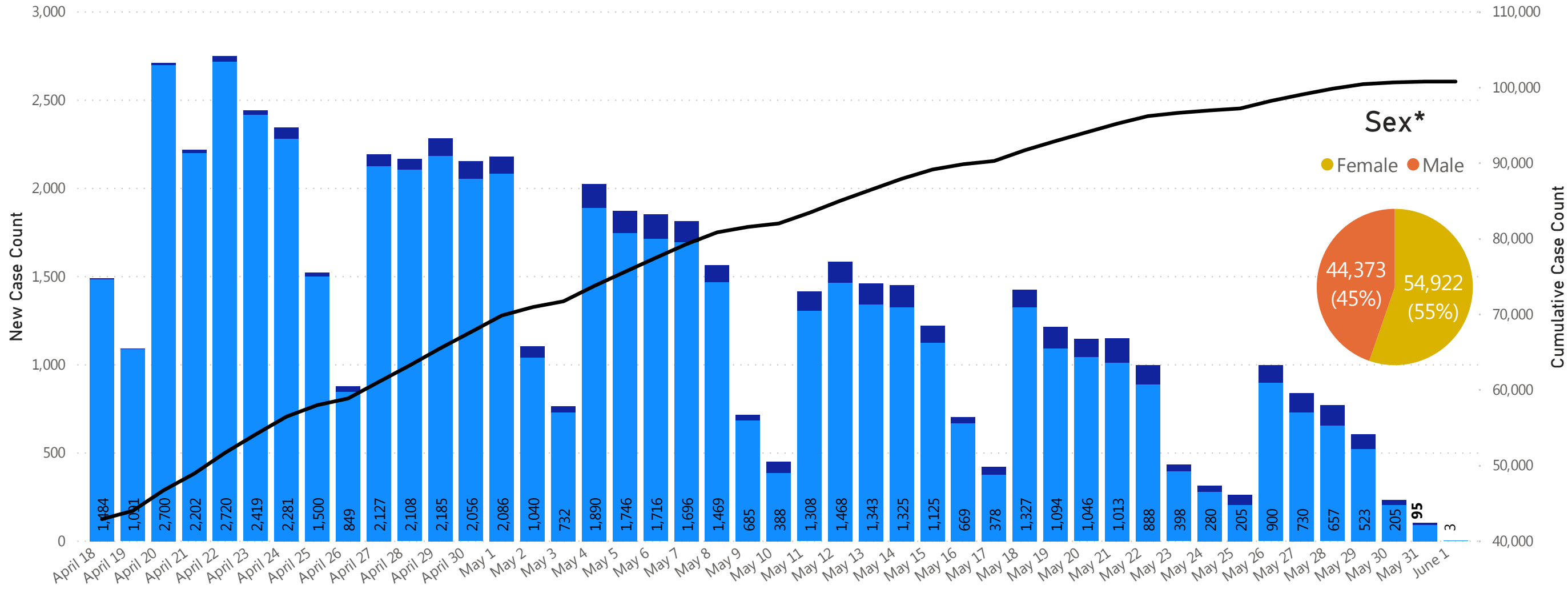
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Daily and Cumulative Confirmed and Probable Cases

Total COVID-19 Cases To Date by Date Patient Tested or Date of Symptom Onset

● New Confirmed Cases ● New Probable Cases ● Cumulative Total Cases



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.

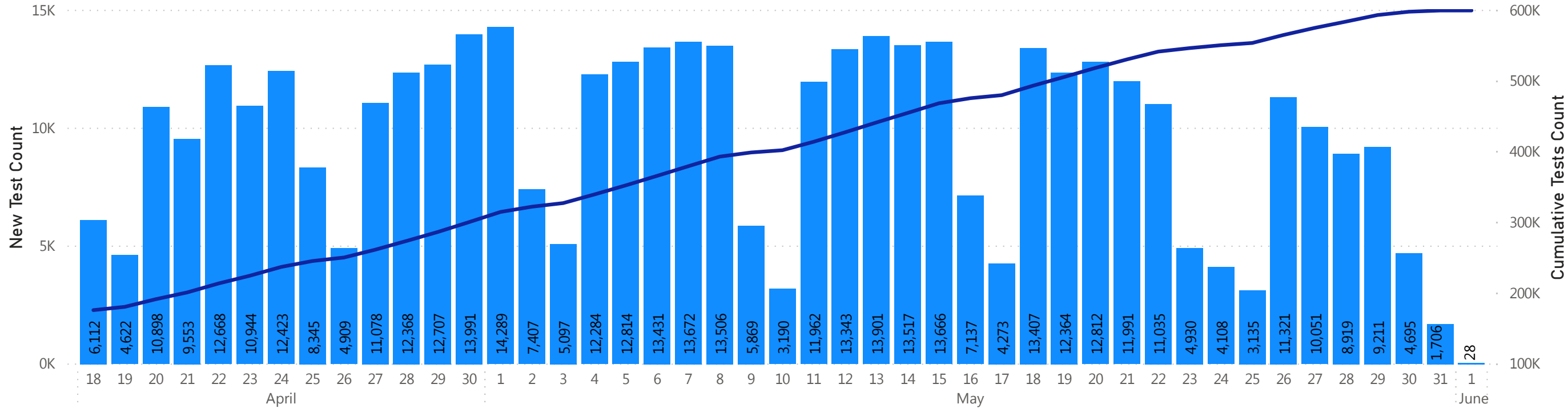
Note: all data are current as of 10:00am on the date at the top of the page; *Excludes unknown values. Data previously shown according to date report received; data now presented according to date the patient was tested. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. Includes both confirmed and probable cases.



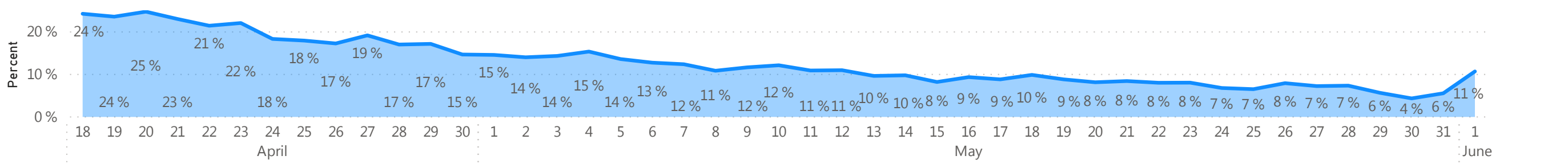
Testing by Date - Molecular

Number of Patients Tested by Molecular Method by Patient Test Date

● New Patients Tested by Molecular Method ● Cumulative Patients Tested by Molecular Method



Percent of Tests By Molecular Method that are Positive by Patient Test Date



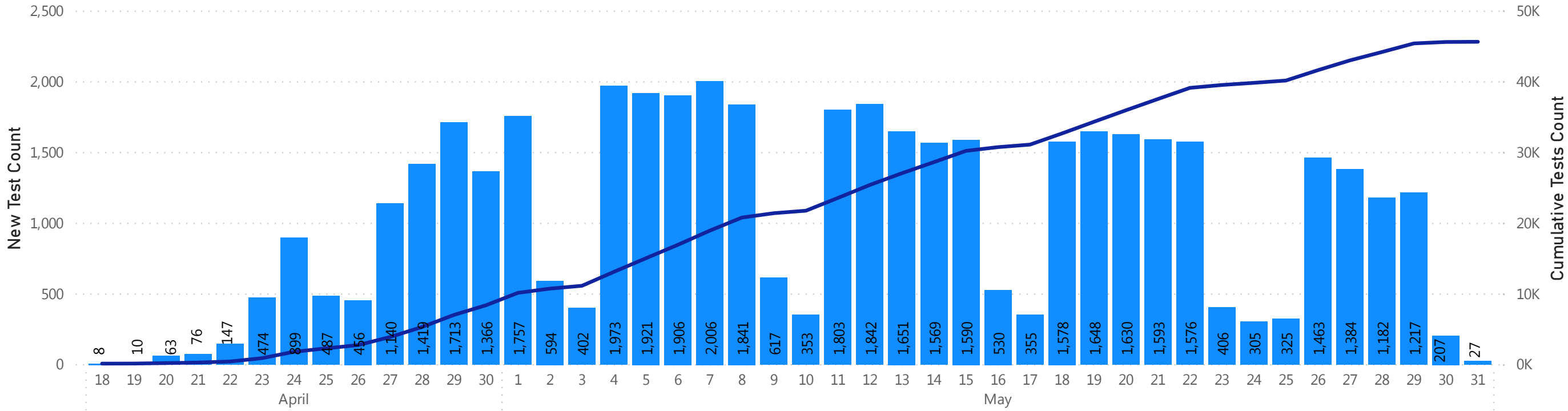
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.
 Note: all data are current as of 10:00am on the date at the top of the page. Data previously shown according to date report received; data now presented according to date the patient was tested. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. Please note that some individuals have been tested by both molecular and antibody methods.



Testing by Date - Antibody

Number of Patients Tested by Antibody by Patient Test Date

● New Patients Tested by Antibody Method ● Cumulative Patients Tested by Antibody Method



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 10:00am on the date at the top of the page. Data previously shown according to date report received; data now presented according to date the patient was tested. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. Please note that some individuals have been tested by both molecular and antibody methods.

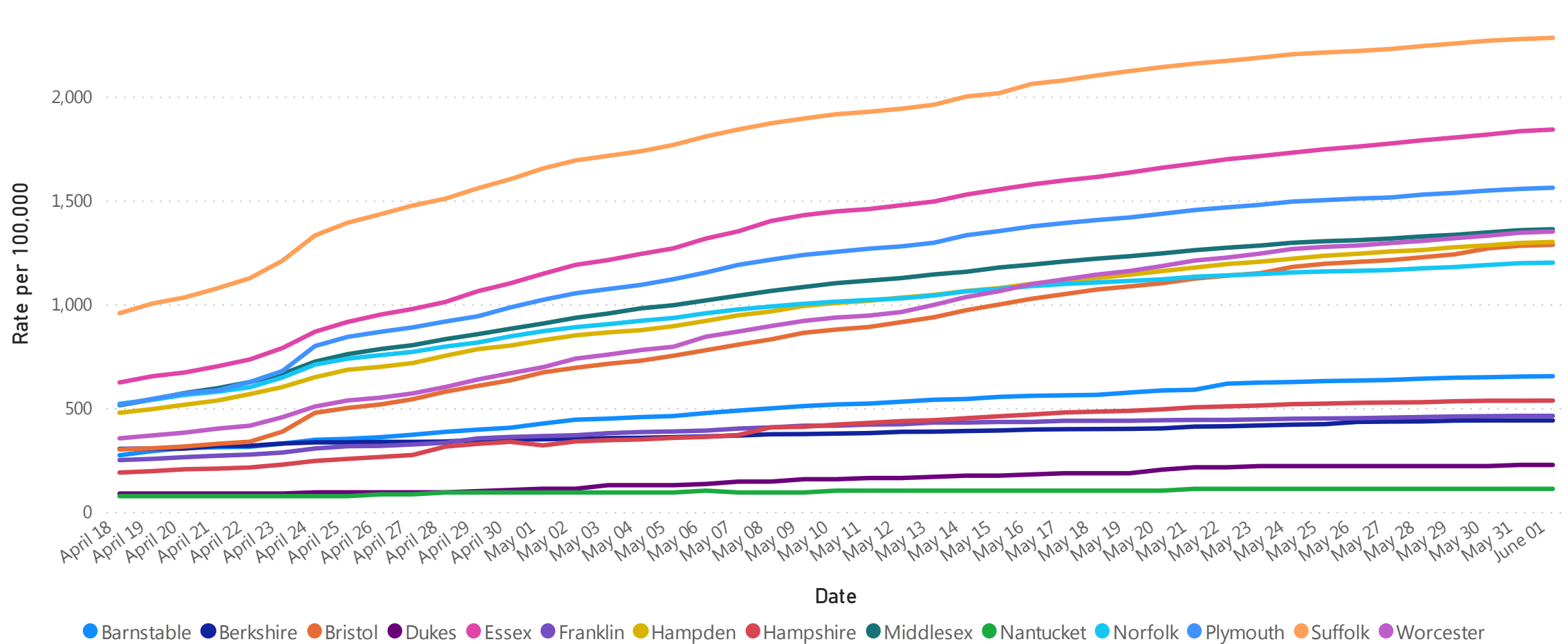


Cases and Case Growth by County

Total Cases by County

County	Count
Middlesex	22,224
Suffolk	18,581
Essex	14,721
Worcester	11,352
Norfolk	8,586
Plymouth	8,200
Bristol	7,348
Hampden	6,188
Barnstable	1,424
Hampshire	886
Berkshire	567
Unknown	340
Franklin	335
Dukes	40
Nantucket	13
Total	100,805

Rate (per 100,000) of Total COVID-19 Cases by Date and County



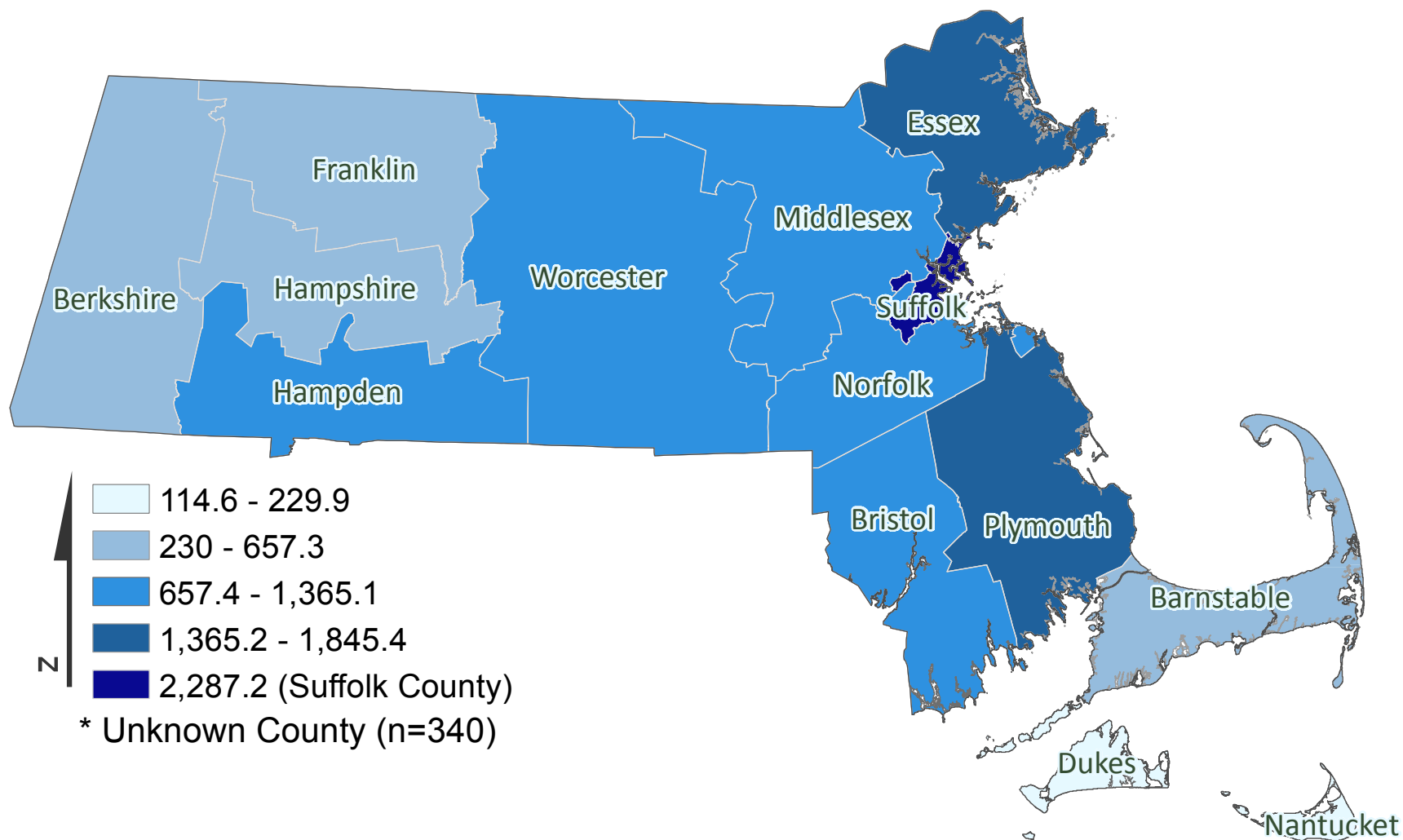
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; County Population Estimates 2011-2018: Small Area Population Estimates 2011-2020, version 2018, Massachusetts Department of Public Health, Bureau of Environmental Health; Tables and Figures created by the Office of Population Health.
 Note: all data are cumulative and current as of 10:00am on the date at the top of the page. Includes both probable and confirmed cases.



Massachusetts Department of Public Health COVID-19 Dashboard - Monday, June 1, 2020

Prevalence by County

Rate (per 100,000) of Confirmed COVID-19 Cases by County (n=97,291)*



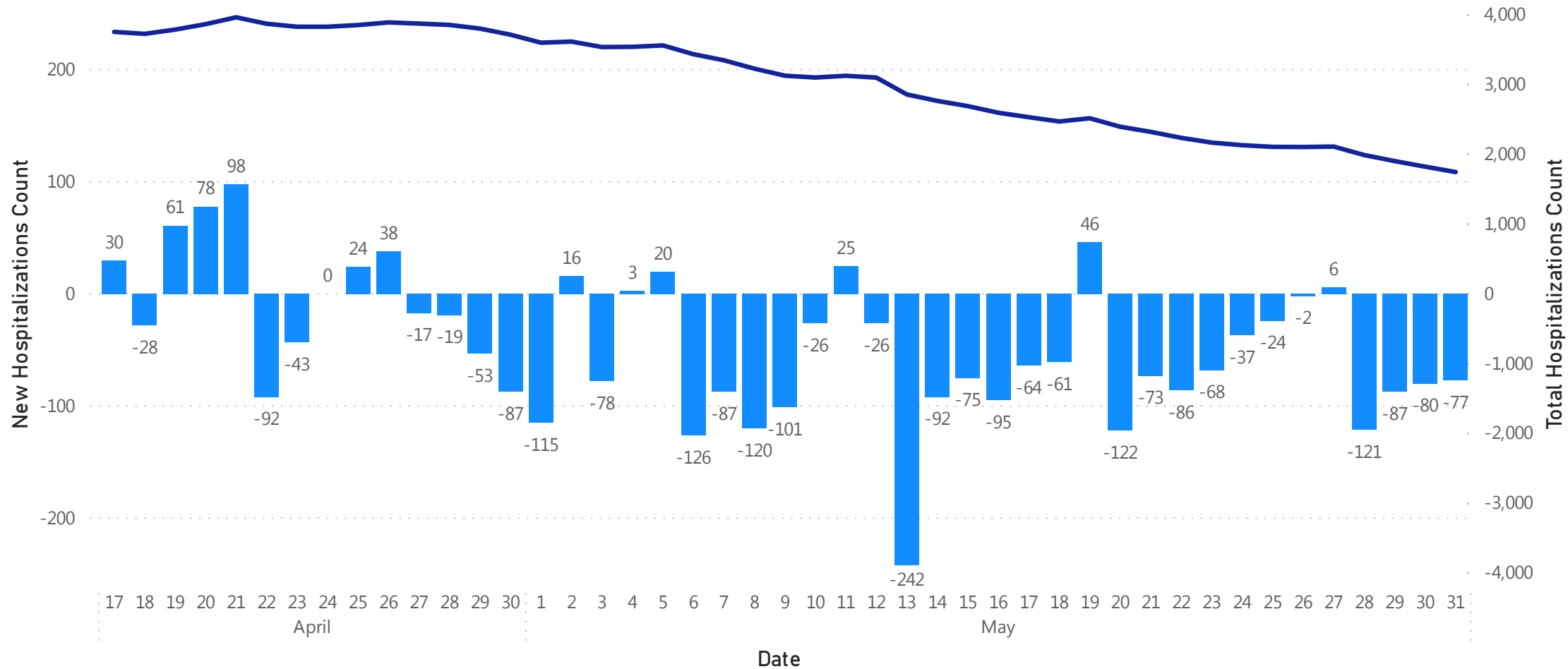
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Map created by the Office of Population Health; County Population Estimates 2011-2018: Small Area Population Estimates 2011-2020, version 2018, Massachusetts Department of Public Health, Bureau of Environmental Health; Note: All data are cumulative and current as of 10:00 am on the date at the top of the page.



Daily and Cumulative COVID-19 Hospitalizations

Patients Reported as Hospitalized* with COVID-19 by Date

● New Hospitalizations by Date ● Number of Hospitalized COVID-19 Patients by Date



**COVID-19 Cases
Currently
Hospitalized**
1,747

Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health.

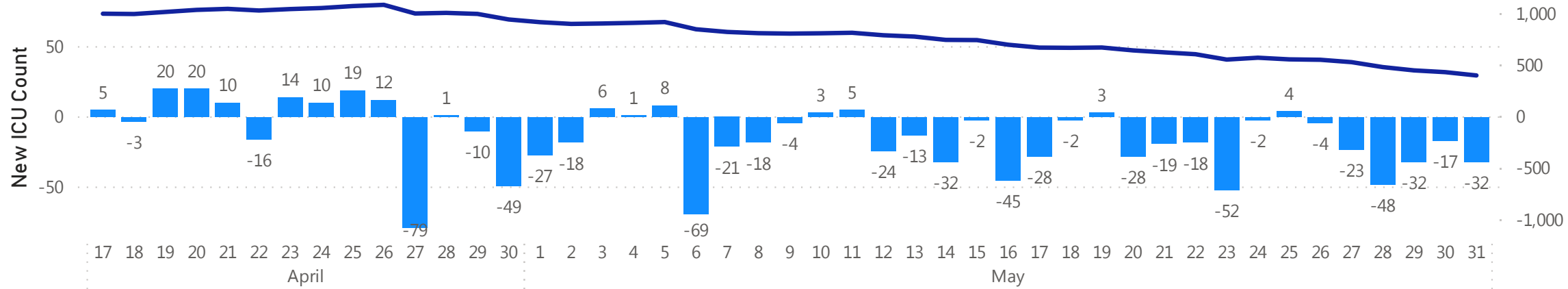
Notes: data are current as of 12:00pm on the date at the top of the page.



Daily and Cumulative COVID-19 ICU and Intubations

Patients Reported in ICU with COVID-19 by Date

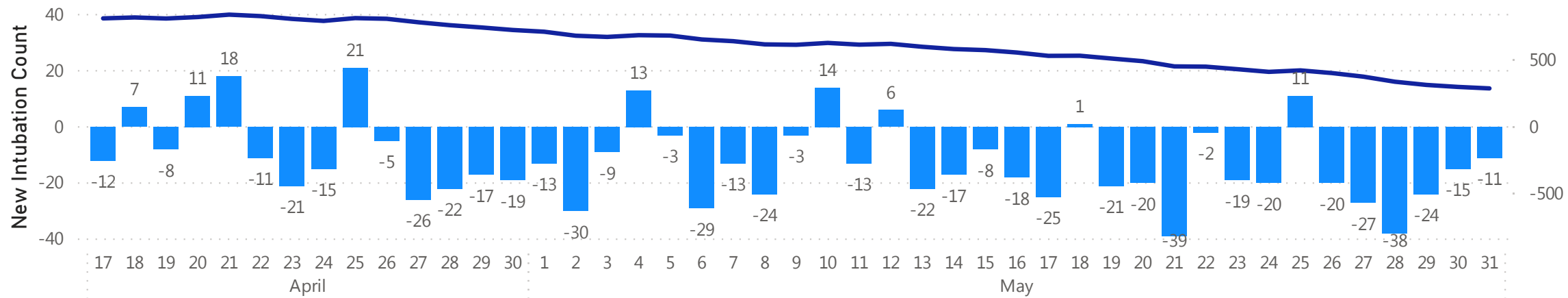
● Changes in ICU Count by Date ● Total Patients in ICU



Count of Cases Currently in ICU
404

Patients Reported as Intubated with COVID-19 by Date

● Changes in Intubation Count by Date ● Total Patients Intubated



Count of Cases Currently Intubated
289

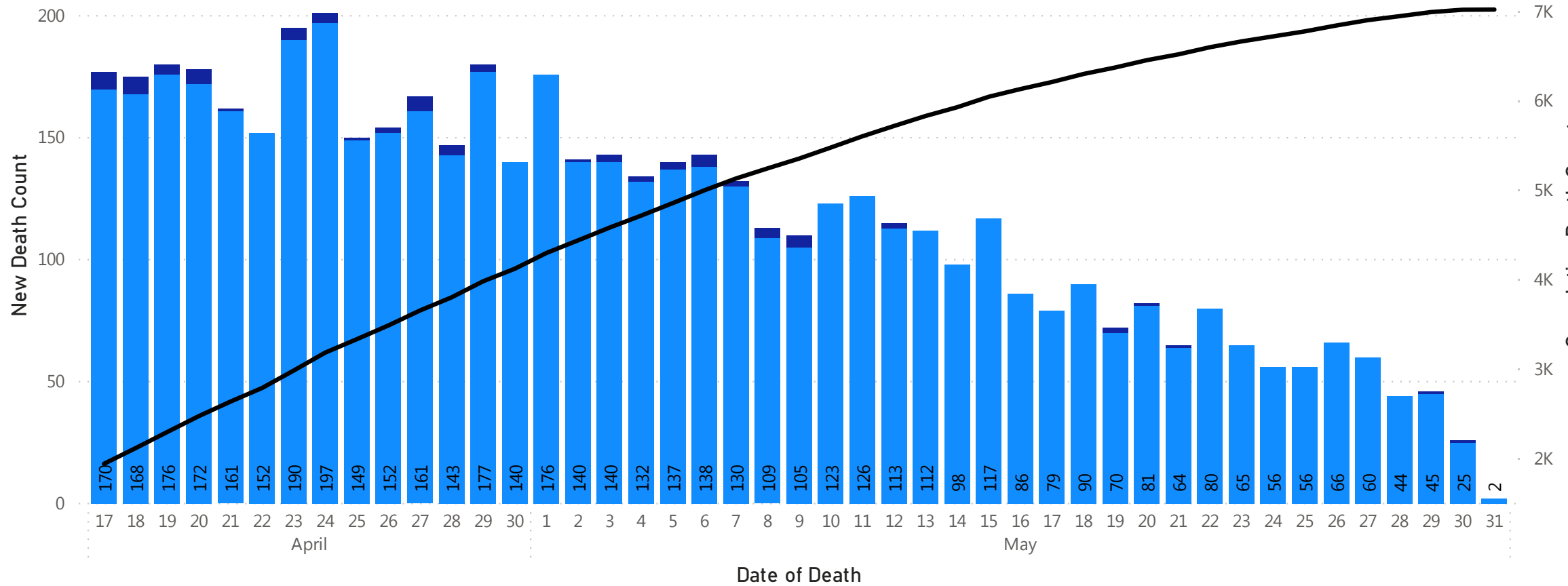
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health. Notes: data are current as of 12:00pm on the date at the top of the page.



Daily and Cumulative Deaths

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

● New Confirmed Deaths ● New Probable Deaths ● Total Deaths



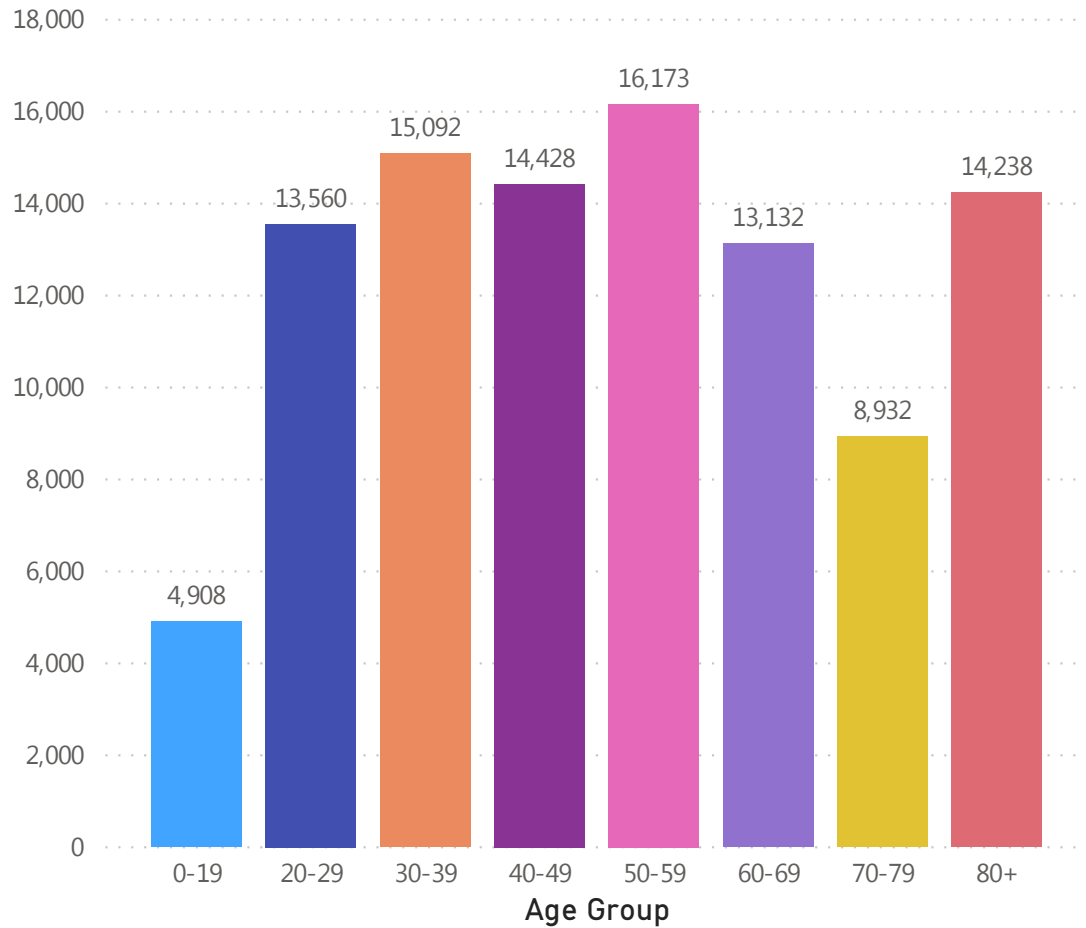
Total Deaths in COVID-19 Cases
7,035

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 10:00am 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.

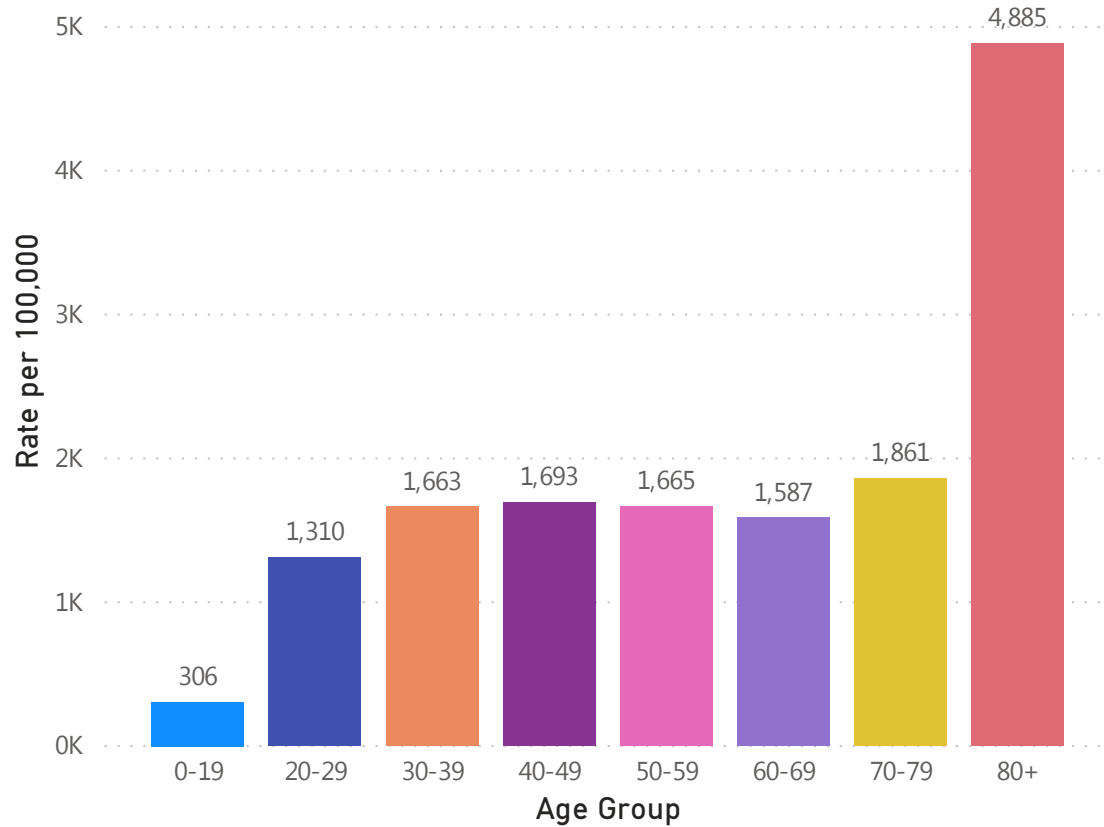


Cases and Case Rate by Age Group

Total COVID-19 Cases by Age Group



Rate (per 100,000) of Total COVID-19 Cases by Age Group



Average age of Total COVID-19 Cases
52

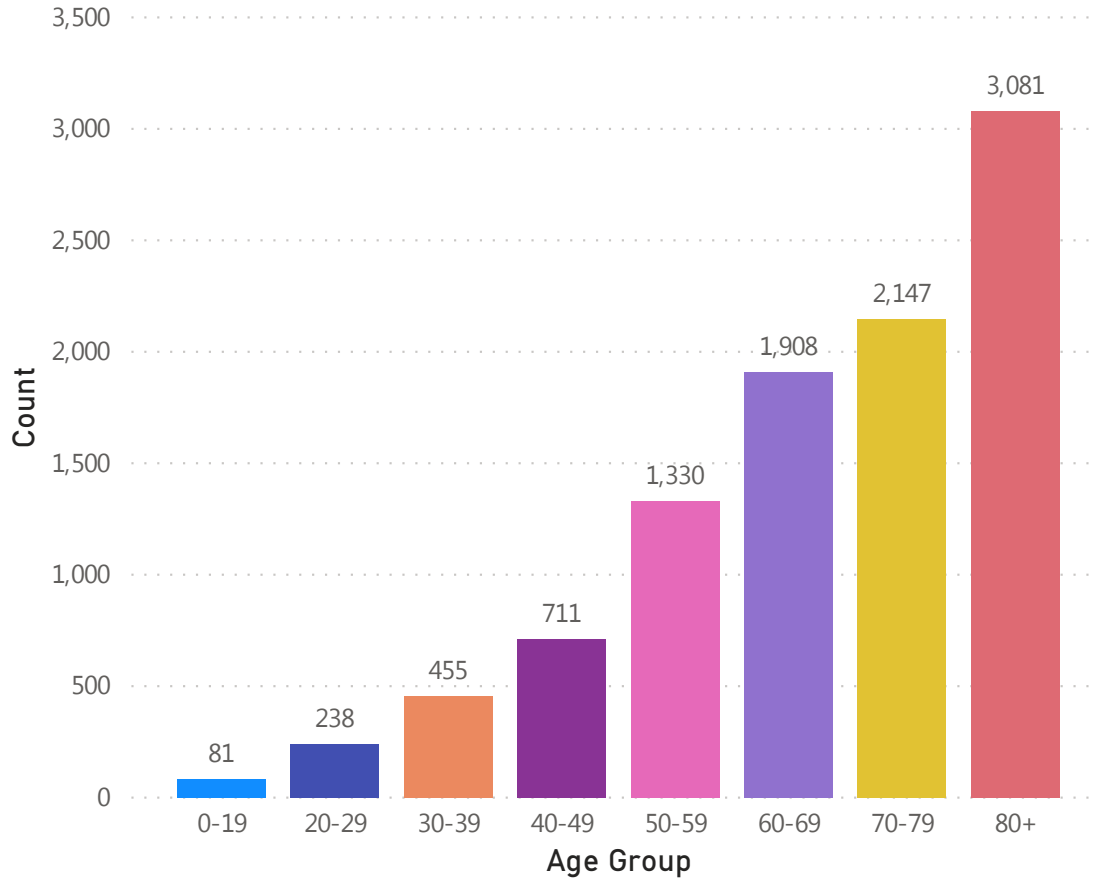
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences, Population Estimates 2011-2018: Small Area Population Estimates 2011-2020, version 2018; Tables and Figures created by the Office of Population Health.

Note: all data are cumulative and current as of 10:00am on the date at the top of the page. Includes both probable and confirmed cases.

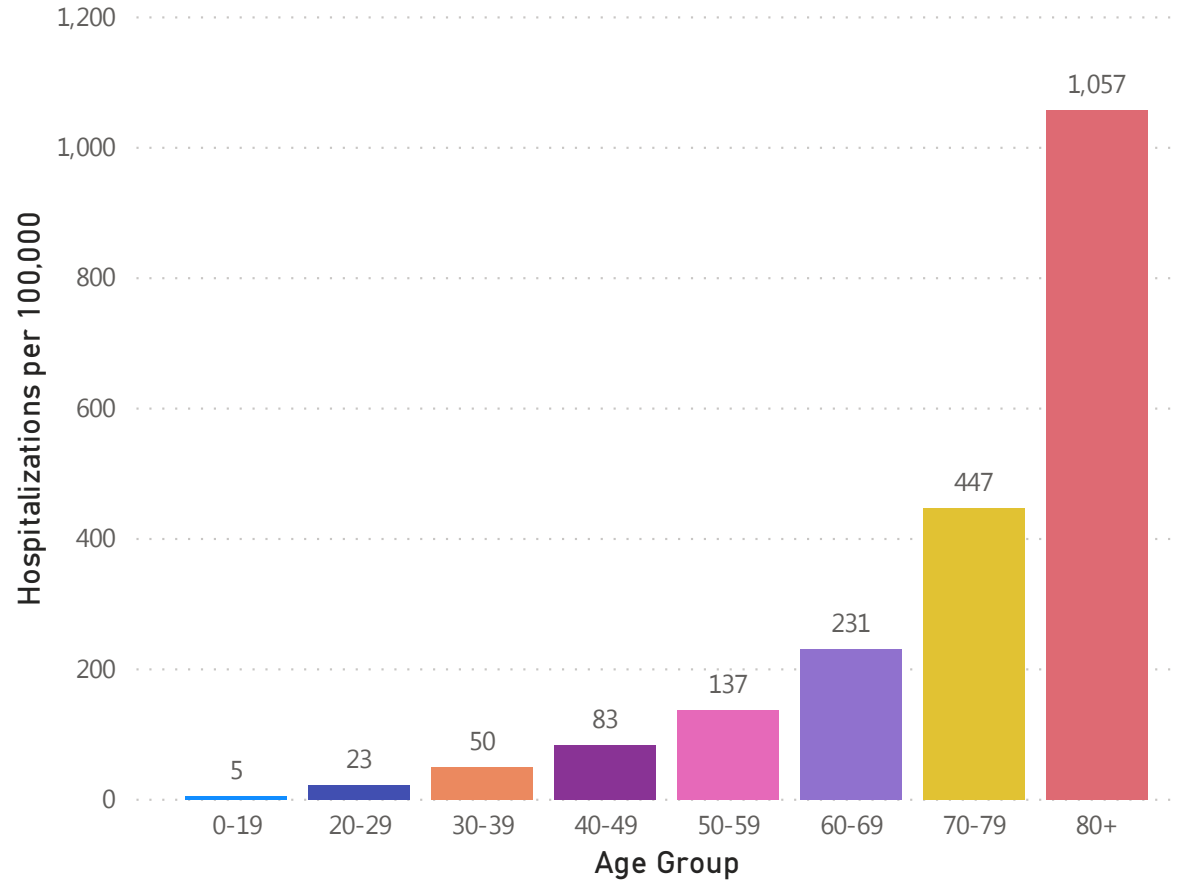


Hospitalizations & Hospitalization Rate by Age Group

Total COVID-19 Cases Reported as Hospitalized* by Age Group



Rate (per 100,000) of Total COVID-19 Cases Reported as Hospitalized* by Age Group



Average Age of Total Cases Reported as Hospitalized*

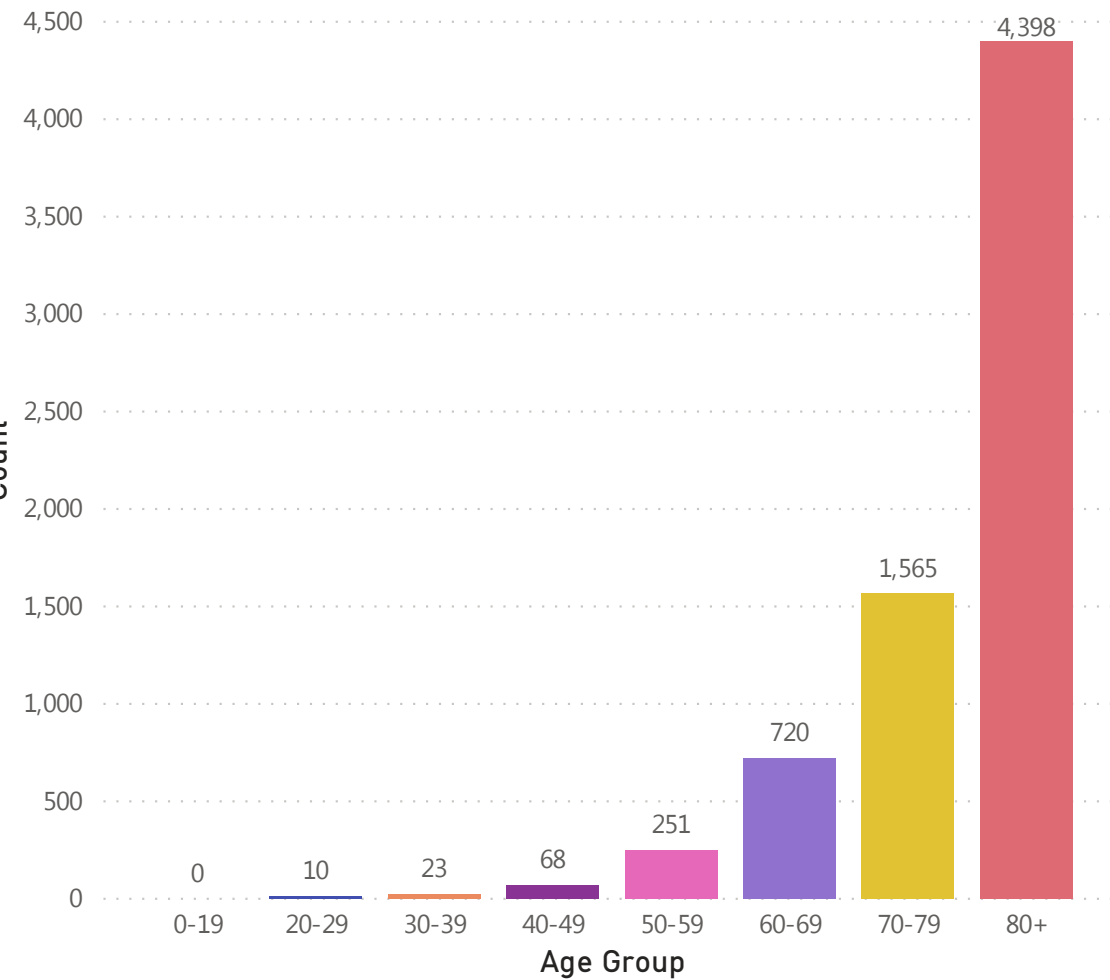
68

Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Population Estimates 2011-2018: Small Area Population Estimates 2011-2020, version 2018; ; Tables and Figures created by the Office of Population Health.
 Notes: all data are cumulative and current as of 10:00am on the date at the top of the page; *Hospitalization refers to status at any point in time, not necessarily the current status of the patient, demographic data on hospitalized patients collected retrospectively; analysis does not include all hospitalized patients and may not add up to data totals from hospital surveys. Includes both probable and confirmed cases. ¹⁵

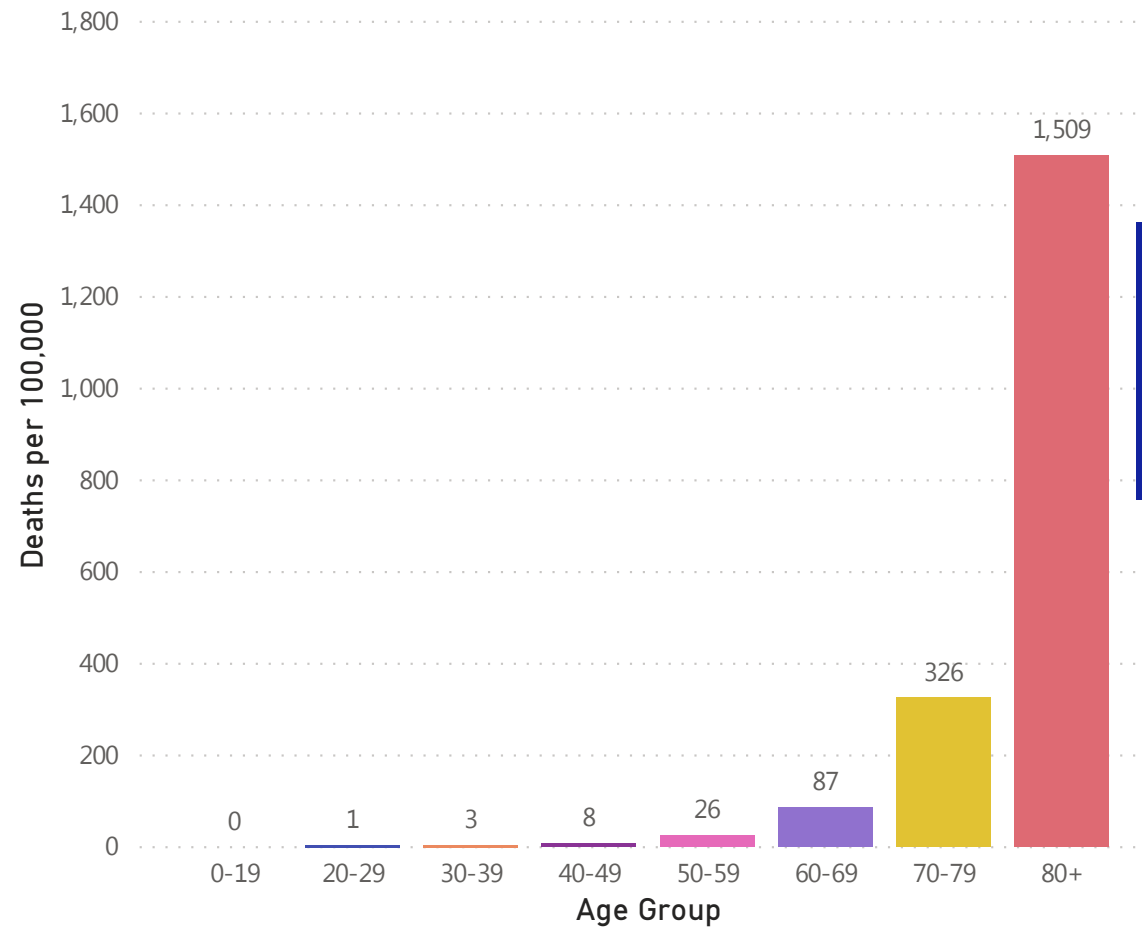


Deaths and Death Rate by Age Group

Deaths by Age Group in Total COVID-19 Cases



Rate (per 100,000) of Total COVID-19 Deaths by Age Group



Average Age of Deaths in Total COVID-19 Cases

82

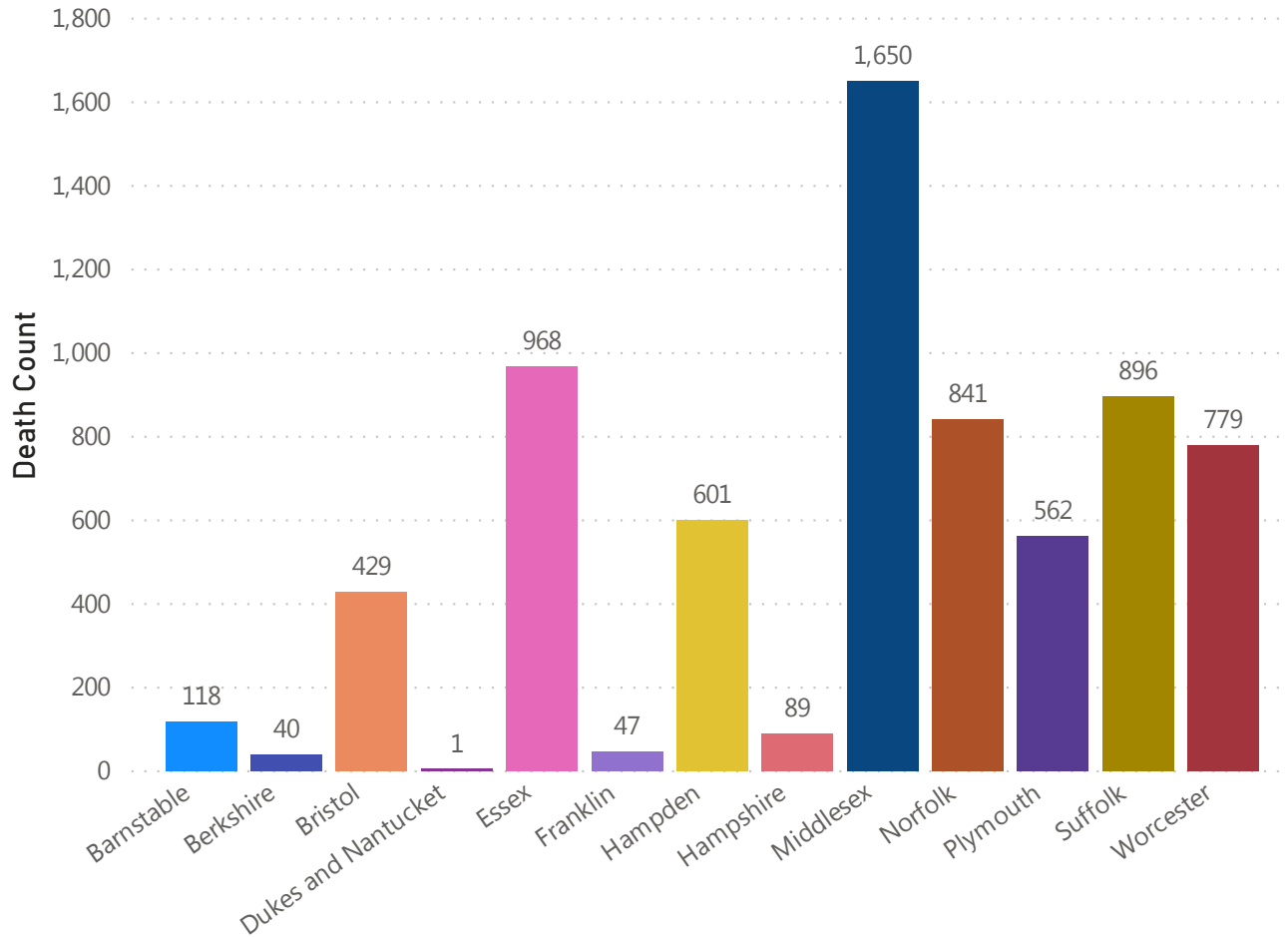
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; Population Estimates 2011-2018: Small Area Population Estimates 2011-2020, version 2018; Tables and Figures created by the Office of Population Health.

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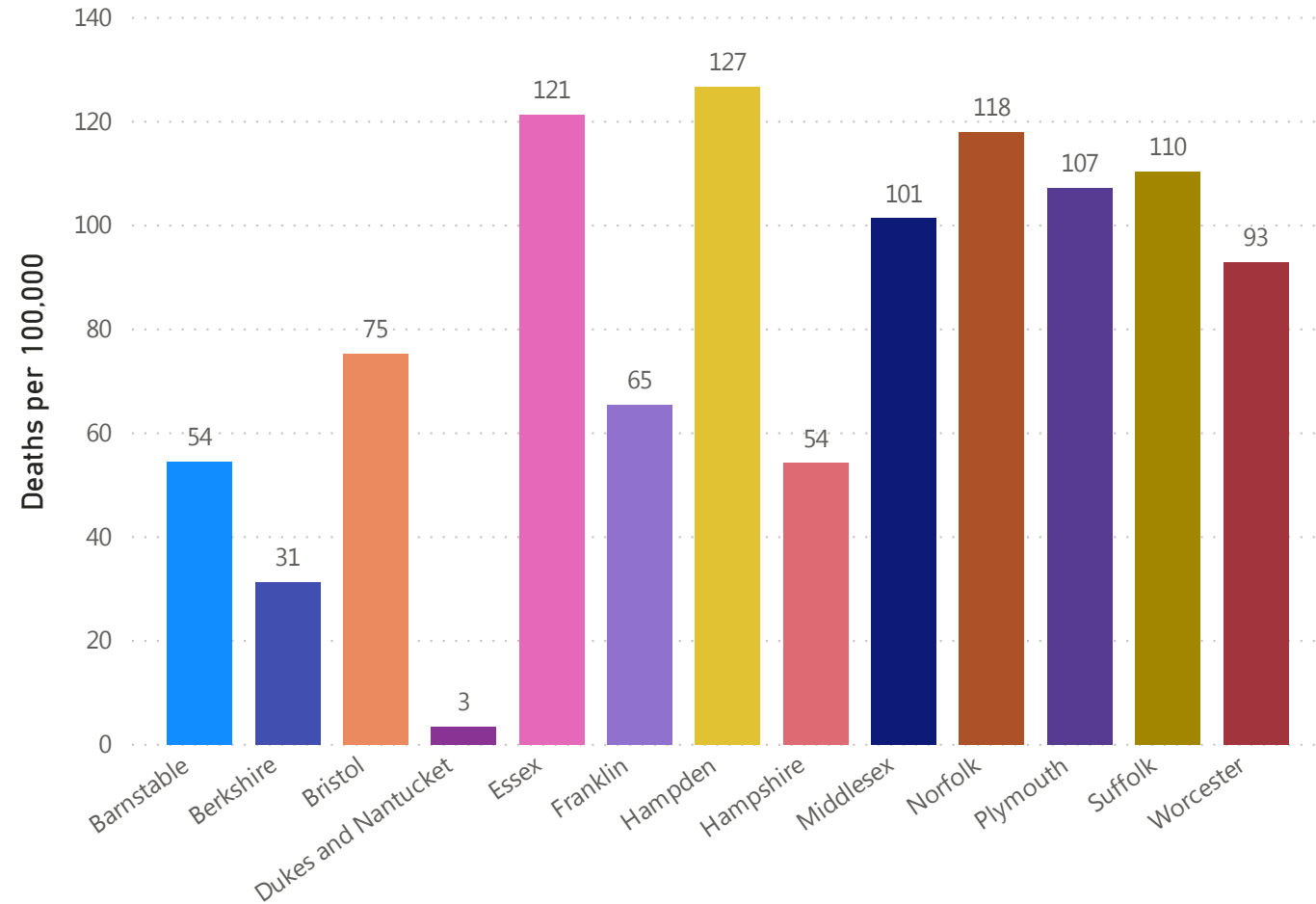


Deaths and Death Rate by County

Count of Deaths in Total COVID-19 Cases by County



Rate (per 100,000) of Total COVID-19 Deaths by County



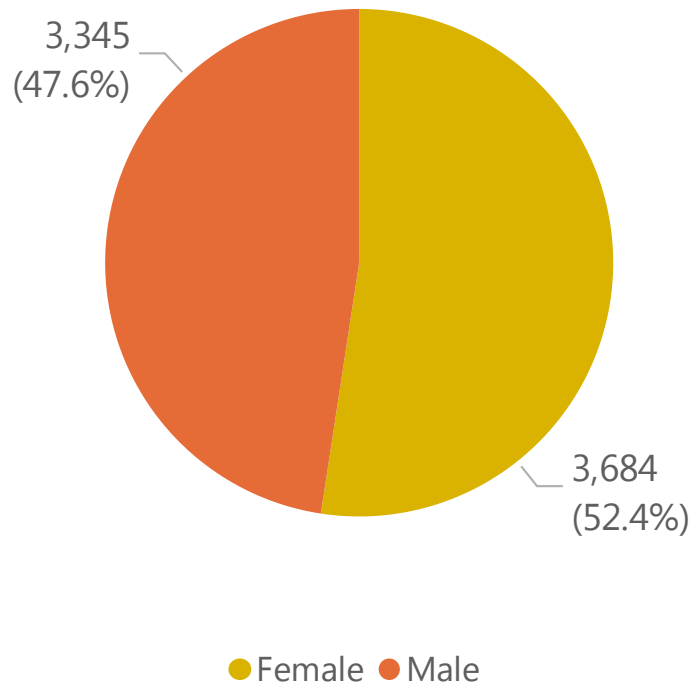
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; County Population Estimates 2011-2018: Small Area Population Estimates 2011-2020, version 2018, Massachusetts Department of Public Health, Bureau of Environmental Health; Tables and Figures created by the Office of Population Health.

Note: all data are cumulative and current as of 10:00am on the date at the top of the page. Includes both probable and confirmed cases.

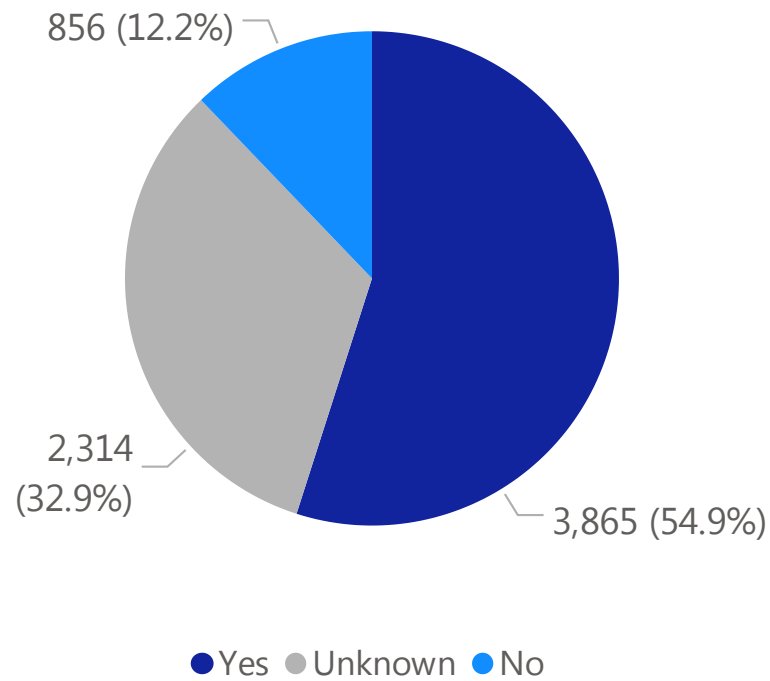


Deaths by Sex, Previous Hospitalization, & Underlying Conditions

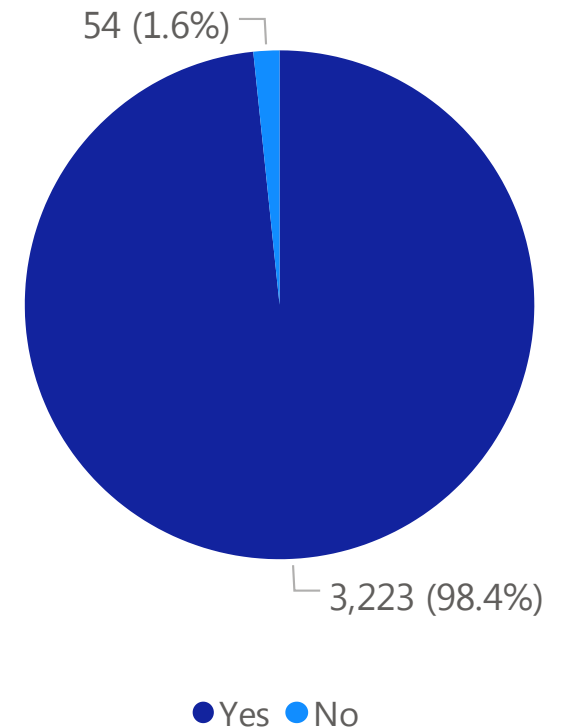
Total Deaths by Sex+



Total Deaths with a Previous Hospitalization*



Total Deaths** with Underlying Conditions



Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; Demographic data on hospitalized patients collected retrospectively; analysis does not include all hospitalized patients and may not add up to data totals from hospital survey; Tables and Figures created by the Office of Population Health.
Note: all data are cumulative and current as of 10:00am on the date at the top of the page; *Hospitalized at any point in time, not necessarily the current status; **Only includes data from deaths following completed investigation, figures are updates as additional investigations are completed; + Excludes unknown values. Includes both probable and confirmed cases.



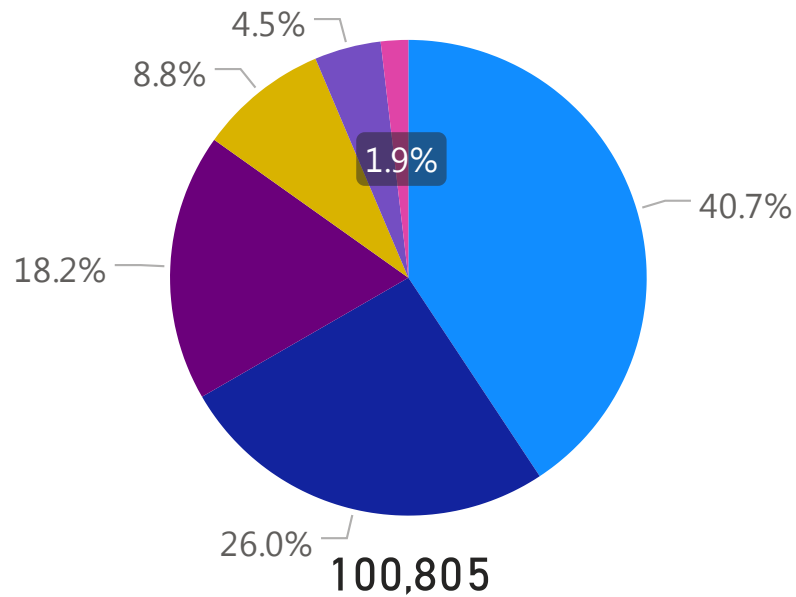
Cases, Hospitalizations, & Deaths by Race/Ethnicity

The following caveats apply to these data:

1. Information on race and ethnicity is collected and reported by laboratories, healthcare providers and local boards of health and may or may not reflect self-report by the individual case.
2. If no information is provided by any reporter on a case's race or ethnicity, DPH classifies it as missing.
3. A classification of unknown indicates the reporter did not know the race and ethnicity of the individual, the individual refused to provide information, or that the originating system does not capture the information.
4. Other indicates multiple races or that the originating system does not capture the information.

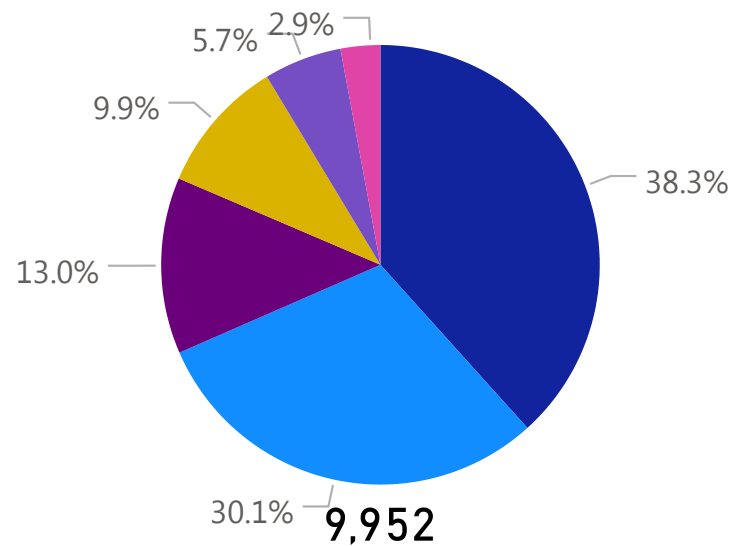
Note: COVID-19 testing is currently conducted by dozens of private labs, hospitals, and other partners and the Department of Public Health is working with these organizations and to improve data reporting by race and ethnicity, to better understand where, and on whom, the burden of illness is falling so the Commonwealth can respond more effectively. On 4/8, the Commissioner of Public Health issued an Order related to collecting complete demographic information for all confirmed and suspected COVID-19 patients.

Total Cases by Race/Ethnicity



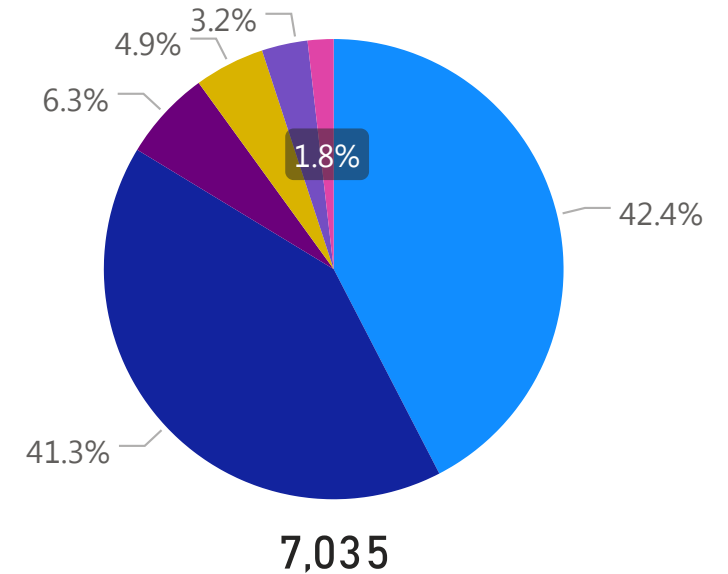
Total Case Count

Total Cases Reported as Hospitalized* by Race/Ethnicity



Total Cases Reported as Hospitalized

Total Deaths by Race/Ethnicity



Total Deaths

● Hispanic ● Non-Hispanic Asian ● Non-Hispanic Black/African American ● Non-Hispanic Other ● Non-Hispanic White ● Unknown/Missing

Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; Demographic data on hospitalized patients collected retrospectively; analysis does not include all hospitalized patients and may not add up to data totals from hospital survey; Tables and Figures created by the Office of Population Health.

Note: all data are cumulative and current as of 10:00am on the date at the top of the page; *Hospitalization refers to status at any point in time, not necessarily the current status of the patient/demographic data on hospitalized patients collected retrospectively; analysis does not include all hospitalized patients and may not add up to data totals from hospital surveys. Includes both probable and confirmed cases.



COVID-19 Cases in Long-Term Care (LTC) Facilities

Residents/Healthcare Workers of
Long-Term Care Facilities with
Probable or Confirmed COVID-19

21,413

Long-Term Care Facilities
Reporting At Least One Probable
or Confirmed Case of COVID-19

349

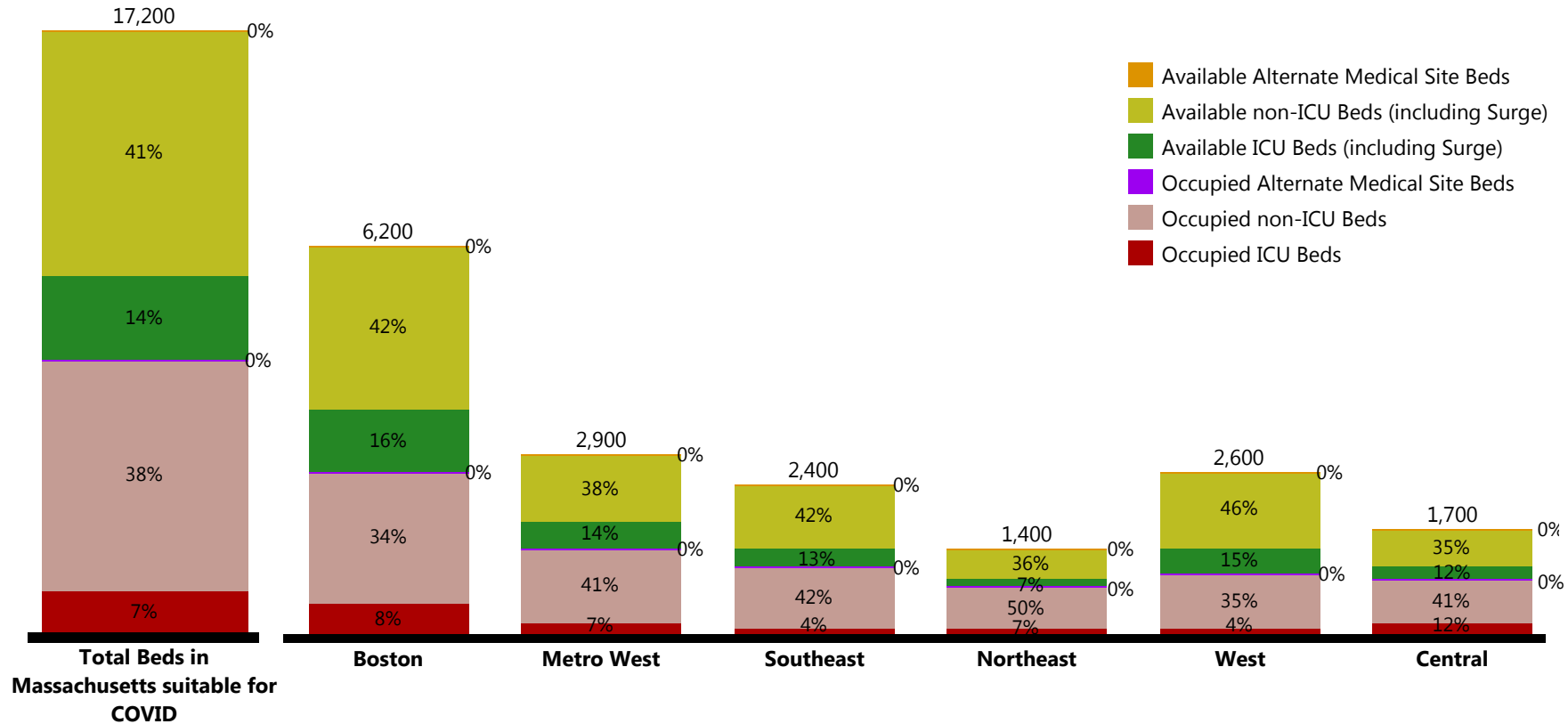
Probable or Confirmed COVID-19
Deaths Reported in Long-Term
Care Facilities

4,349



Total Hospital Capacity by Region

Data collected as of 5/31/2020 5:00pm



Occupancy/ availability as reported by hospitals to DPH.

Regions shown represent EOHHS Regions. Note that total bed estimates may change day-to-day due to hospitals updating surge planning. This data includes 4,700 unstaffed surge beds.

Available AMS beds may change over time



COVID Patient Census by Hospital (1/2)

Data collected as of 5/31/2020 5:00pm

Hospital Name	Hospital County	Hospitalized Total COVID patients - suspected and confirmed (including ICU)	Hospitalized COVID patients in ICU - suspected and confirmed
Addison Gilbert Hospital	Essex	0	0
Anna Jaques Hospital	Essex	12	1
Athol Memorial Hospital	Worcester	0	0
Baystate Franklin Medical Center	Franklin	2	0
Baystate Medical Center	Hampden	48	10
Baystate Noble Hospital	Hampden	2	0
Baystate Wing Hospital	Hampden	9	0
Berkshire Medical Center	Berkshire	4	0
Beth Israel Deaconess Hospital - Milton	Norfolk	11	4
Beth Israel Deaconess Hospital - Needham	Norfolk	13	3
Beth Israel Deaconess Hospital - Plymouth	Plymouth	58	9
Beth Israel Deaconess Medical Center	Suffolk	115	37
Beverly Hospital	Essex	26	3
Boston Childrens Hospital*	Suffolk	4	0
Boston Medical Center	Suffolk	86	18
Brigham and Womens - Faulkner	Suffolk	27	1
Brigham and Womens Hospital	Suffolk	63	20
Brockton Hospital	Plymouth	31	6
Cambridge Hospital	Middlesex	24	5
Cape Cod Hospital	Barnstable	7	2
Carney Hospital	Suffolk	36	8
Clinton Hospital	Worcester	2	0
Cooley Dickinson Hospital	Hampshire	18	7
Dana Farber Cancer Institute*	Suffolk	0	0
Emerson Hospital	Middlesex	16	2
Fairview Hospital	Berkshire	0	0
Falmouth Hospital	Barnstable	1	0
Good Samaritan Medical Center	Plymouth	34	6
Harrington Hospital	Worcester	2	2
Health Alliance-Leominster	Worcester	13	4
Heywood Hospital	Worcester	8	1
Holy Family Hospital	Essex	18	3
Holyoke Hospital	Hampden	8	0
Lahey Hospital Burlington	Middlesex	55	16

Occupancy/ availability as reported by hospitals to DPH.

*Specialty hospital data may be delayed and patient composition may vary.



COVID Patient Census by Hospital (2/2)

Data collected as of 5/31/2020 5:00pm

Hospital Name	Hospital County	Hospitalized Total COVID patients - suspected and confirmed (including ICU)	Hospitalized COVID patients in ICU - suspected and confirmed
Lahey Hospital Peabody	Essex	0	0
Lawrence General Hospital	Essex	35	5
Lowell General Hospital	Middlesex	38	8
Marlborough Hospital	Middlesex	23	7
Marthas Vineyard Hospital	Dukes	0	0
Massachusetts Eye and Ear Infirmary*	Suffolk	0	0
Massachusetts General Hospital	Suffolk	151	45
Melrose Wakefield Hospital	Middlesex	14	1
Mercy Medical Center	Hampden	20	4
Merrimack Valley Hospital	Essex	0	0
MetroWest Medical Center Framingham	Middlesex	34	9
MetroWest Medical Center Natick	Middlesex	5	2
Milford Regional Medical Center	Worcester	13	0
Morton Hospital	Bristol	22	4
Mount Auburn Hospital	Middlesex	27	8
Nantucket Cottage Hospital	Nantucket	0	0
Nashoba Valley Medical Center	Middlesex	0	0
New England Baptist Hospital	Suffolk	0	0
Newton-Wellesley Hospital	Middlesex	50	10
North Shore Medical Center Salem	Essex	74	14
Norwood Hospital	Norfolk	12	2
Saint Vincent Hospital	Worcester	49	9
Saints Memorial Medical Center	Middlesex	0	0
South Shore Hospital	Norfolk	50	12
Southcoast Charlton Memorial Hospital	Bristol	76	15
St Annes Hospital	Bristol	0	0
St Elizabeths Medical Center	Suffolk	19	7
St Lukes Hospital	Bristol	69	10
Sturdy Memorial Hospital	Bristol	27	4
Tobey Hospital	Bristol	20	2
Tufts Medical Center	Suffolk	54	17
UMass Memorial-Memorial Campus	Worcester	31	7
UMass Memorial-University Campus	Worcester	64	32
Winchester Hospital	Middlesex	17	2

Occupancy/ availability as reported by hospitals to DPH.
 *Specialty hospital data may be delayed and patient composition may vary.