



Dashboard of Public Health Indicators

Newly Reported Confirmed Cases Today
570

Total Confirmed Cases
136,168

Newly Reported Deaths among Confirmed Today
16

Total Deaths among Confirmed Cases
9,388

New Individuals Tested by Molecular Tests
15,797

Total Individuals Tested by Molecular Tests
2,411,349

Total Molecular Tests Administered
4,748,004

Legend

- Positive trend
- In progress
- Negative trend

Below is the current status:

Measure	Status
COVID-19 positive test rate	●
Number of individuals who died from COVID-19	●
Number of patients with COVID-19 in hospitals	●
Healthcare system readiness	●
Testing capacity	●
Contact tracing capabilities	●

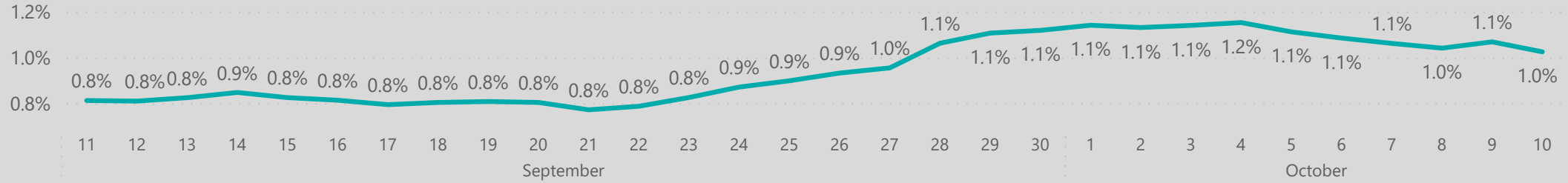


Massachusetts Department of Public Health COVID-19 Dashboard- Dashboard of Public Health Indicators

Sunday, October 11, 2020

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

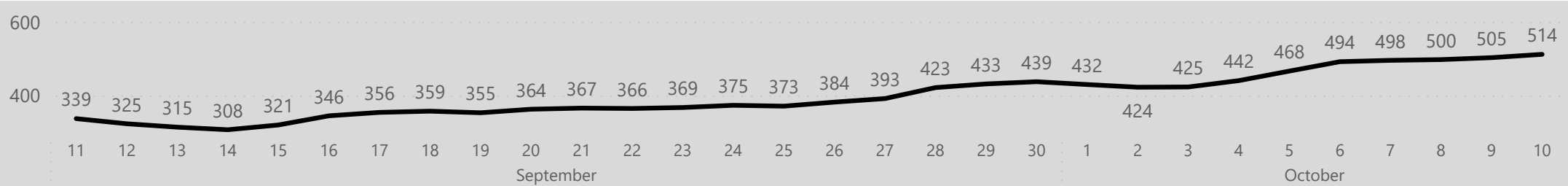
7 Day Weighted
Average of Positive
Molecular Test Rate*



33%

LOV = 0.8%

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



70%

LOV = 302

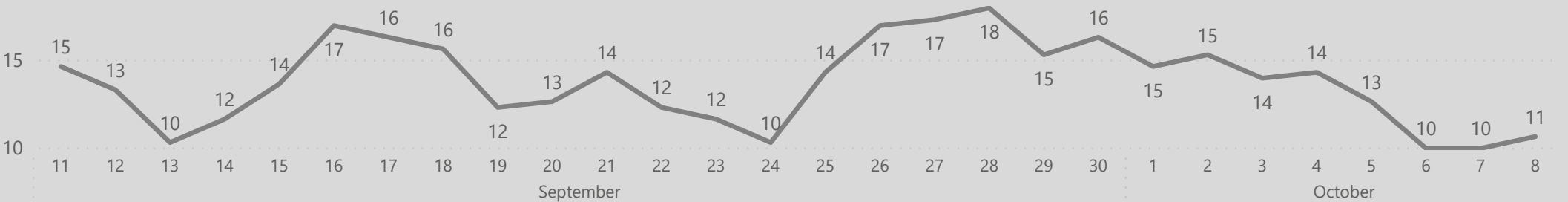
Number of
Hospitals using
Surge Capacity



2

LOV = 0

3 Day Average of
COVID-19
Deaths***



14%

LOV = 9

*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. As a result, data may not be directly comparable to hospital data previously reported. As of 9/8/20, patients on an observation stay with confirmed or suspected COVID are included in total COVID hospitalization figures in addition to patients who are admitted. This update will create consistency in reporting and provide a more complete picture of total COVID hospitalizations. Most hospitals were already including observation status patients in their reporting, so this update is not expected to have a significant impact on daily trends. LOV = Lowest observed value, i.e. the lowest value the public health indicator has been since tracking started.



Table of Contents

Glossary of Terms.....Page 4

Daily and Cumulative Confirmed Cases.....Page 5

Testing by Date - Molecular (Individuals).....Page 6

Testing by Date - Molecular (Total Tests Conducted).....Page 7

Testing by Date - Molecular (Percent Positive).....Page 8

Daily and Cumulative COVID-19 Hospitalizations.....Page 9

New Daily COVID-19 Hospital Admissions.....Page 10

Daily and Cumulative COVID-19 ICU and Intubations.....Page 11

Daily and Cumulative Deaths.....Page 12

Daily and Cumulative County Data.....Page 13

Deaths by Sex, Previous Hospitalization, & Underlying Conditions.....Page 14

Cases, Hospitalizations, & Deaths by Race/Ethnicity.....Page 15

COVID-19 Cases in Long-Term Care (LTC) Facilities.....Page 16

Probable Case Information.....Page 17

Testing by Date - Antibody.....Page 18

Testing by Date - Antigen.....Page 19

Total Hospital Capacity by Region.....Page 20

COVID Patient Census by Hospital.....Page 21

Department of Corrections on-site Testing Program.....Page 24



Glossary of Terms

Please Note: the following terms and definitions apply to COVID-19 only.

COVID-19 Molecular Test: Also known as a PCR test. This diagnostic test identifies the presence of virus's genetic material. These tests are very accurate and a positive result means someone has current or very recent infection.

COVID-19 Antigen Test: This test identifies the presence of proteins on the surface of the virus. These diagnostic tests are somewhat less accurate (i.e., low sensitivity) than molecular tests but a positive result is suggestive of current infection.

COVID-19 Antibody Test: Also known as a serology test. This test identifies antibodies; antibodies are the proteins produced by the immune system to fight off an infection. Because antibodies take days to weeks to make after infection, a positive result indicates infection at some point in the past. It is not a diagnostic test.

Testing by Date: This refers to the date the sample (usually nasal swab or blood) was taken. Most reports and figures in this dashboard use this date.

Total Tests: This represents the total number of tests done and includes people who have had multiple tests.

Persons Tested: This represents the total number of persons who had at least one test done. If a person had more than one test, they are still counted only once.

Case Definition: A standard set of criteria (including symptoms, laboratory tests and exposure) used to count persons who may have COVID-19. Case definitions tell public health professionals which people with disease to count; they don't tell healthcare providers how to diagnose or treat COVID.

Confirmed Case: A person is counted as a confirmed case of COVID-19 if they have a positive molecular test.

Probable Case: A person is counted as a probable case in three ways:

1. if they have a positive antigen test;
2. if they have COVID symptoms AND were exposed to someone with COVID;
3. if they died and their death certificate lists COVID as a cause of death.

More complete information about the COVID-19 case definition may be found here: https://cdn.ymaws.com/www.cste.org/resource/resmgr/ps/positionstatement2020/Interim-20-ID-02_COVID-19.pdf

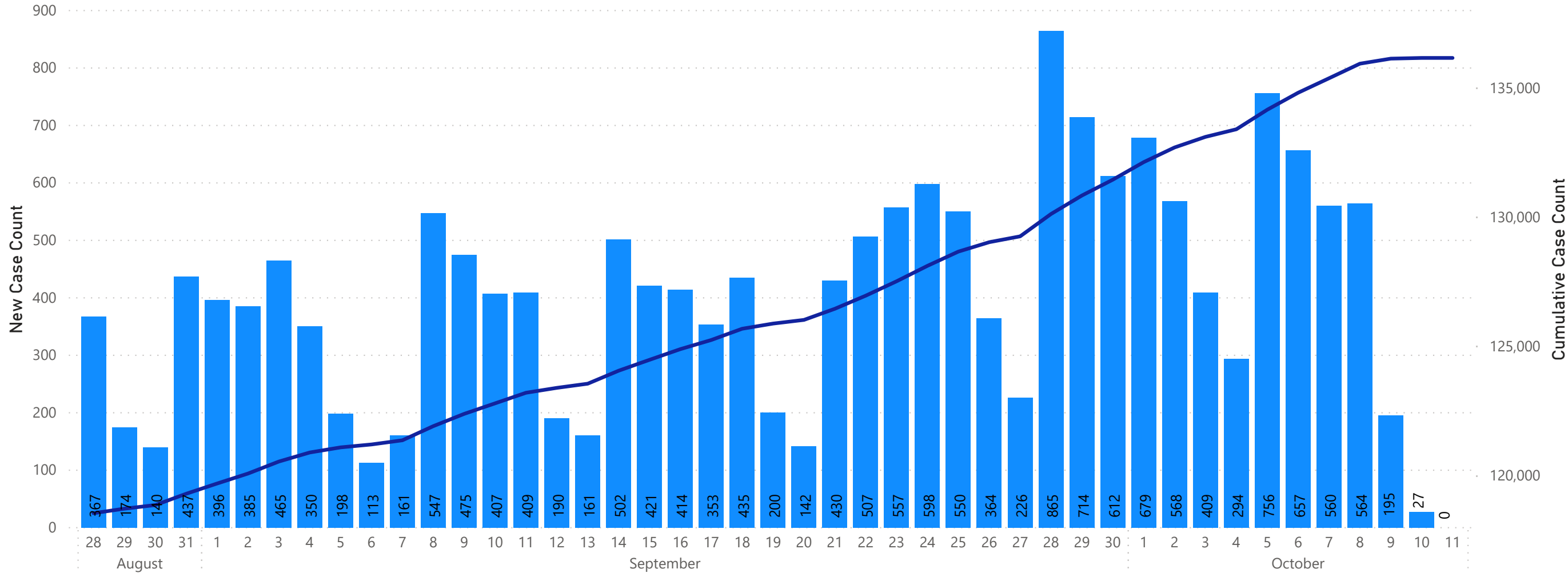
Suspected Hospitalized Cases: Patients without a laboratory confirmed COVID-19 diagnosis but who, as determined by the hospital, have signs and symptoms compatible with COVID-19 (most patients with confirmed COVID-19 have developed fever and/or symptoms of acute respiratory illness, such as cough, shortness of breath, or myalgia/fatigue).



Daily and Cumulative Confirmed Cases

Confirmed COVID-19 Cases To Date by Date Individual Tested

● New Confirmed Cases ● Cumulative Confirmed Cases



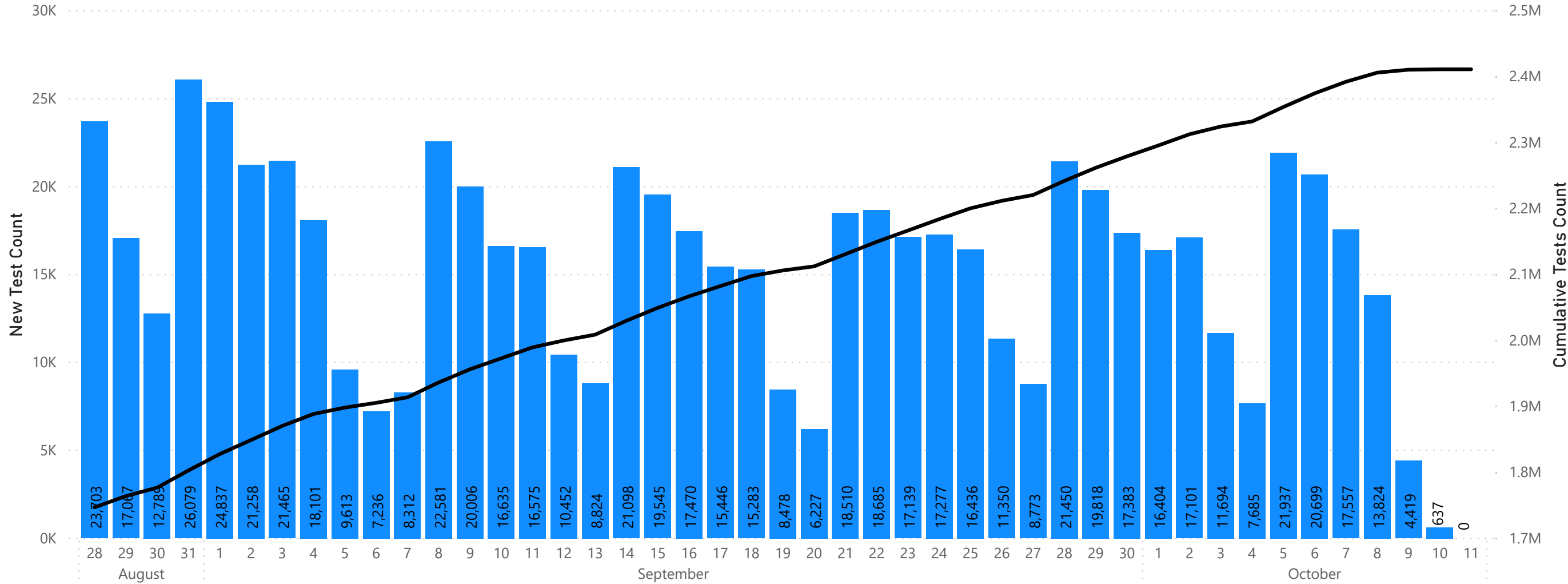
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.
 Note: all data are current as of 8:00am on the date at the top of the page; Data previously shown according to date report received; data now 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 (Individuals)

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

● New Individuals Tested by Molecular Method ● Cumulative Individuals Tested by Molecular Method



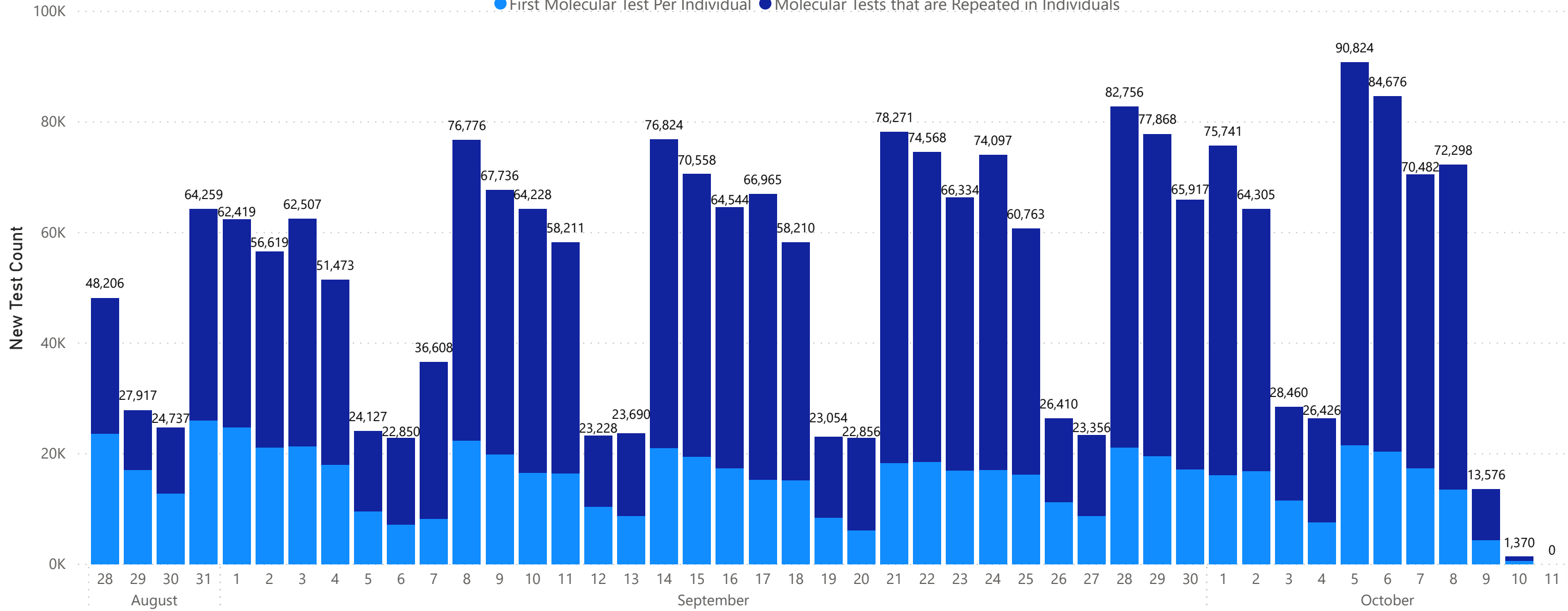
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.
 Note: all data are current as of 8:00am on the date at the top of the page. Data previously shown according to date report received; data now 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.



Testing by Date - Molecular (Total Tests Conducted)

Total Number of Molecular Tests Performed by Date

● First Molecular Test Per Individual ● Molecular Tests that are Repeated in Individuals



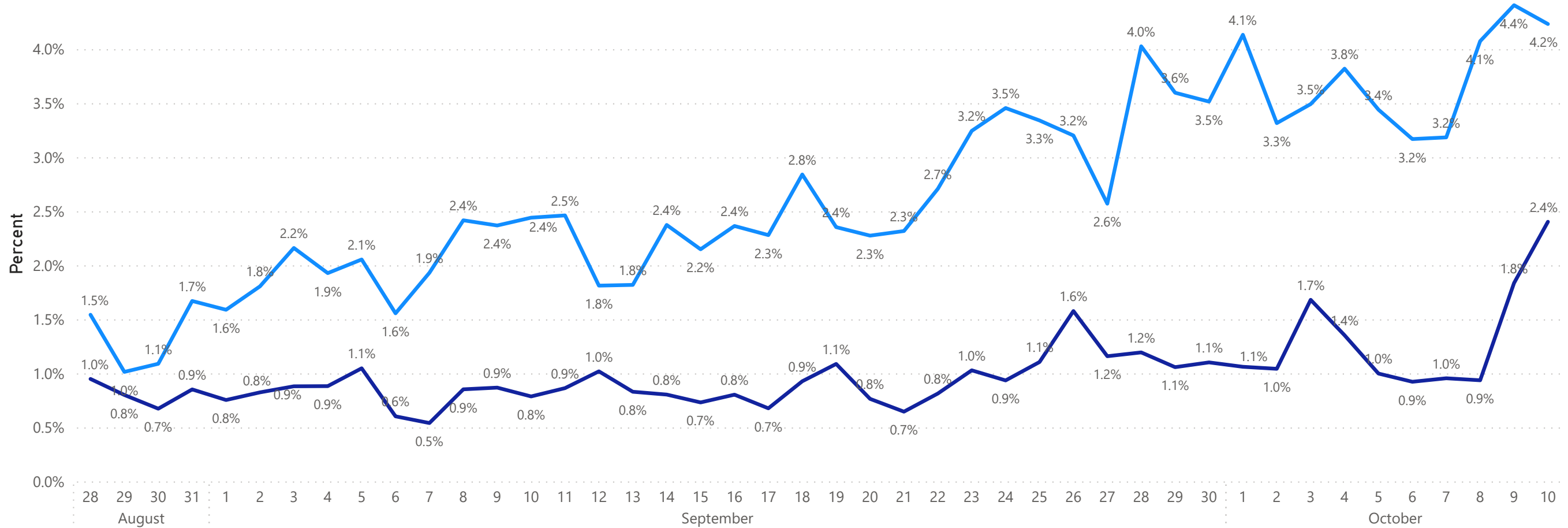
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.
 Note: all data are current as of 8:00am on the date at the top of the page. Data previously shown according to date report received; data now 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.



Testing by Date - Molecular (Percent Positive)

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

● Percent of Tested Individuals who are Positive ● Percent of All Molecular Tests that are Positive



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.

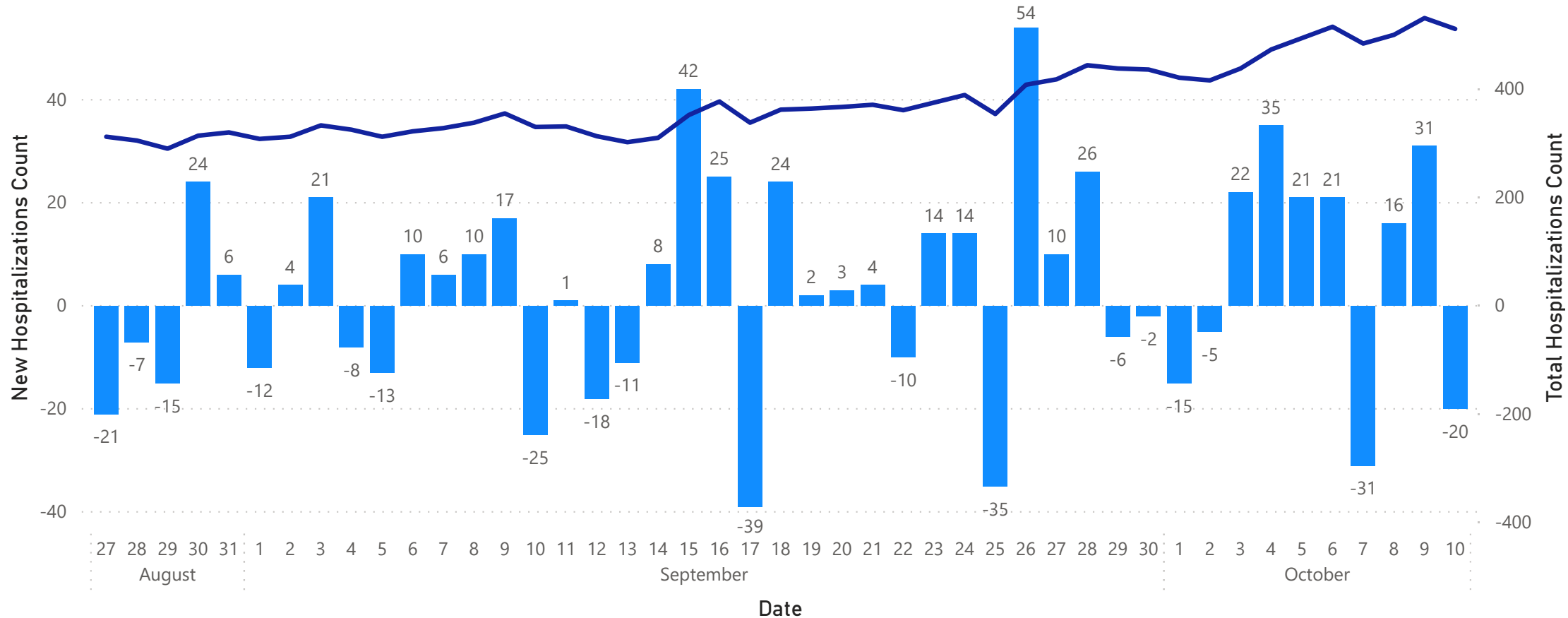
Note: all data are current as of 8:00am on the date at the top of the page. Data previously shown according to date report received; data now presented according to date the individual was tested. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete; this graph is lagged by one day as a result. Percent of Tested Individuals who are Positive counts the number of individuals with at least one molecular test; Percent of all Molecular Tests that are Positive counts the total number of molecular tests performed. This includes individuals who have had more than one molecular test.



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**

511

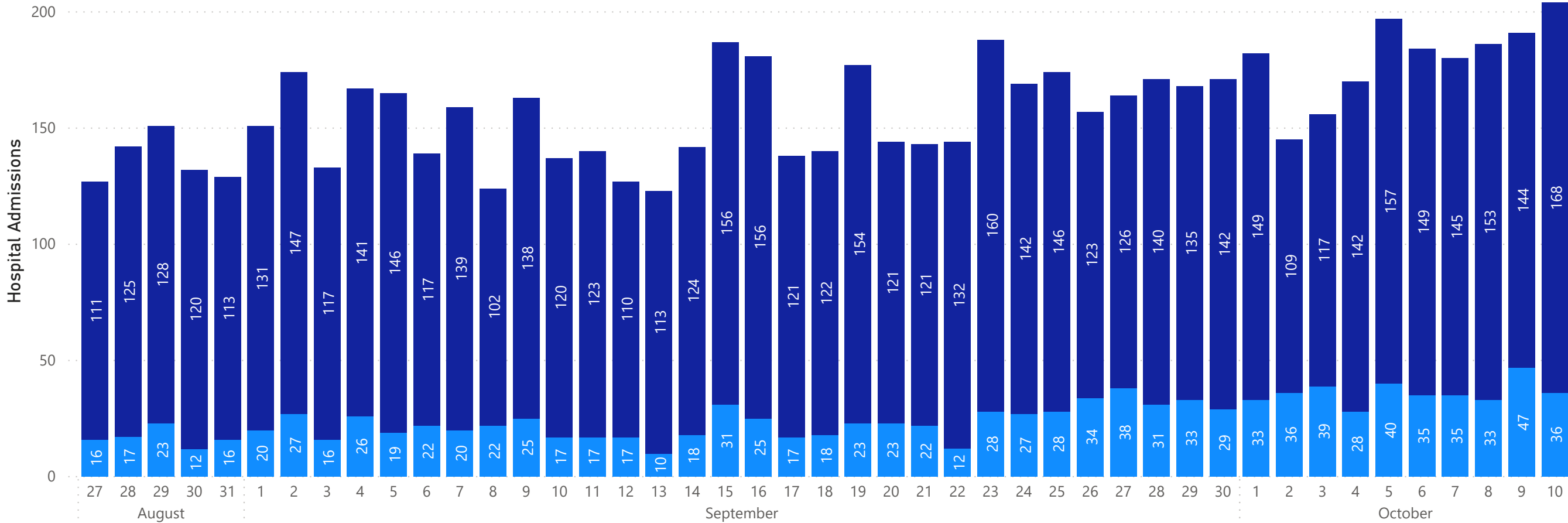
Data Sources: COVID-19 Data provided by the MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health.
 Notes: data are current as of 12:00pm on the date at the top of the page. These data include both confirmed and suspected COVID-19 cases. For purposes of this reporting, "confirmed" are cases with a PCR test. "Suspected" are those with symptoms who have not had a test result yet. Hospital-reported data included here reflects a transition to new federal reporting standards imposed as of 7/22. As a result, data may not be directly comparable to hospital data reported previously. As of 9/8/20, patients on an observation stay with confirmed or suspected COVID are included in total COVID hospitalization figures in addition to patients who are admitted. This update will create consistency in reporting and provide a more complete picture of total COVID hospitalizations. Most hospitals were already including observation status patients in their reporting, so this update is not expected to have a significant impact on daily trends.



New Daily COVID-19 Hospital Admissions

Confirmed and Suspected COVID-19 Hospital Admissions by Day

● Confirmed COVID-19 Hospital Admissions ● Suspected COVID-19 Hospital Admissions

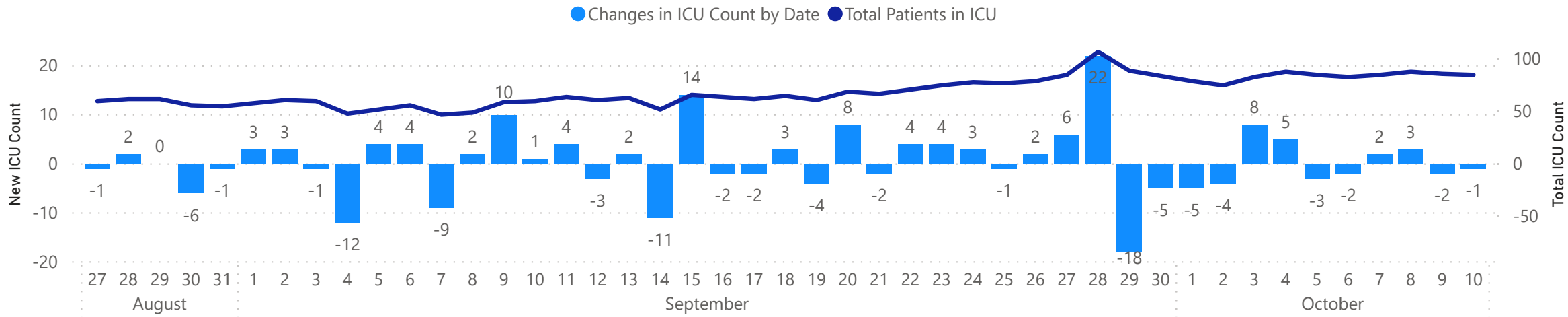


Data Sources: COVID-19 Data provided by the MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health.
 Notes: data are current as of 12:00pm on the date at the top of the page. For purposes of this reporting, "confirmed" are cases with a PCR test. "Suspected" are those with symptoms who have not had a test result yet. Hospital-reported data included here reflects a transition to new federal reporting standards imposed as of 7/22. As a result, data may not be directly comparable to hospital data reported previously. ¹⁰



Daily and Cumulative COVID-19 ICU and Intubations

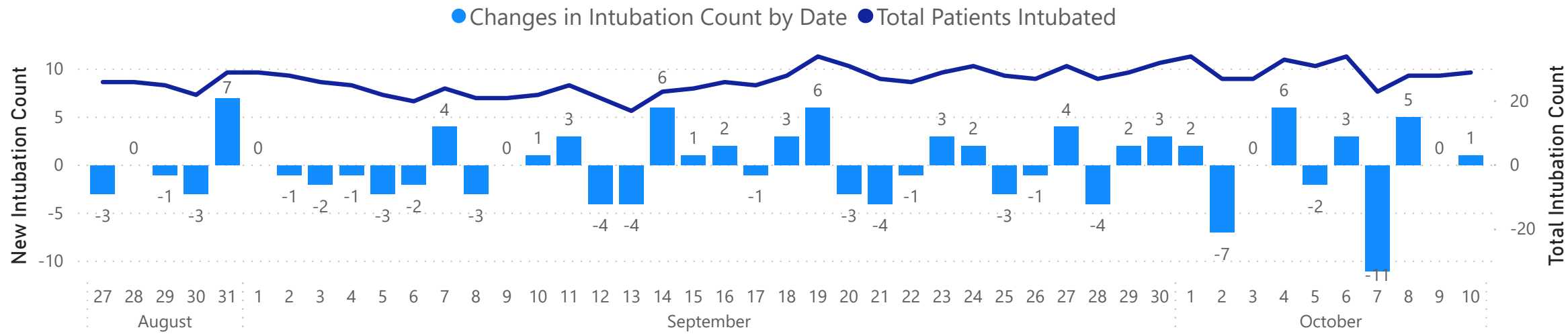
Patients Reported in ICU with COVID-19 by Date



Count of Cases Currently in ICU

85

Patients Reported as Intubated with COVID-19 by Date



Count of Cases Currently Intubated

29

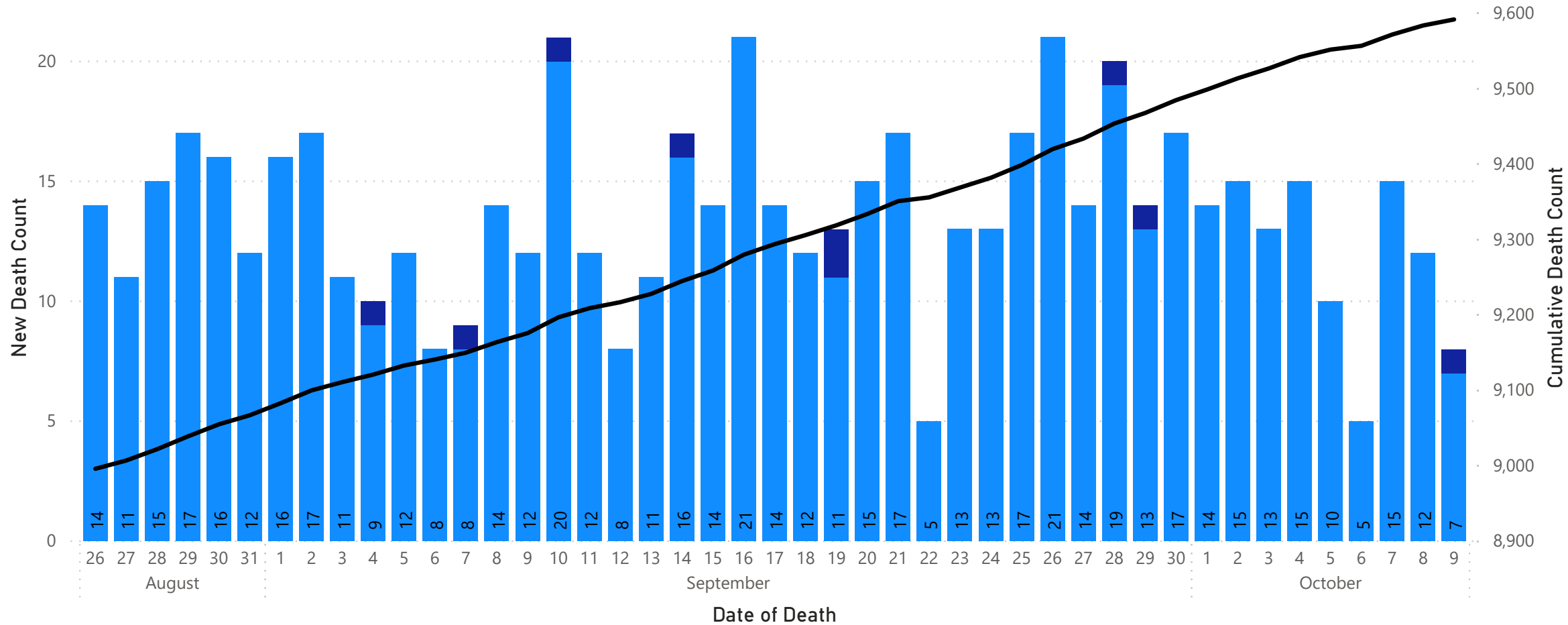
Data Sources: COVID-19 Data provided by the MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health.
 Notes: data are current as of 12:00pm on the date at the top of the page. Hospital-reported data included here reflects a transition to new federal reporting standards imposed as of 7/22. As a result, data may not be directly comparable to hospital data reported previously.



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
9,604

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.



Daily and Cumulative County Data

County	New Confirmed Cases Reported Today	Cumulative Confirmed Cases To Date
Barnstable	5	1,863
Berkshire	0	730
Bristol	44	10,599
Dukes	0	69
Essex	115	21,193
Franklin	1	426
Hampden	38	8,754
Hampshire	4	1,356
Middlesex	138	29,055
Nantucket	2	131
Norfolk	32	10,824
Plymouth	46	10,218
Suffolk	65	25,562
Unknown	12	298
Worcester	68	15,090
Total	570	136,168

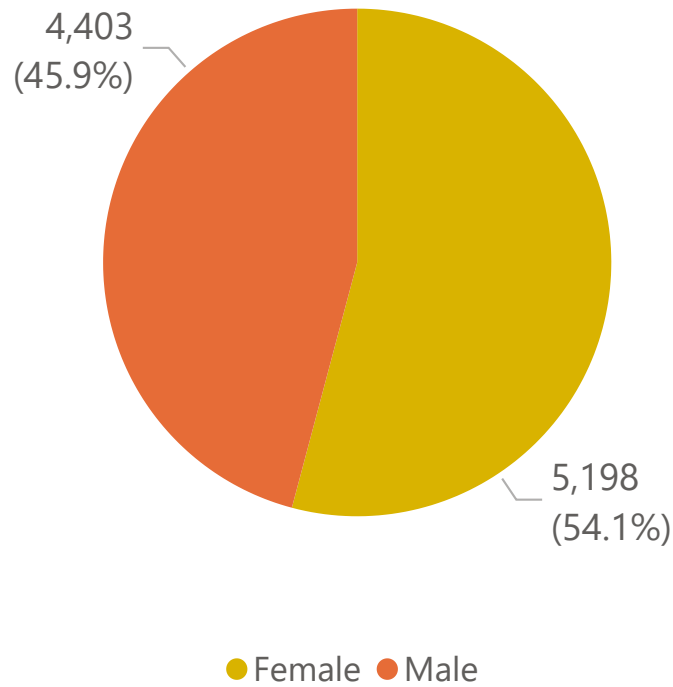
County	New Confirmed and Probable Deaths Reported Today	Cumulative Confirmed and Probable Deaths To Date
Barnstable	0	176
Berkshire	0	51
Bristol	3	721
Dukes and Nantucket	0	2
Essex	2	1,309
Franklin	2	71
Hampden	0	792
Hampshire	1	150
Middlesex	4	2,190
Norfolk	2	1,082
Plymouth	0	780
Suffolk	2	1,147
Unknown	0	5
Worcester	1	1,128
Total	17	9,604

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. Includes both probable and confirmed cases. For confirmed and probable case definitions, please see the Glossary on p. 4.

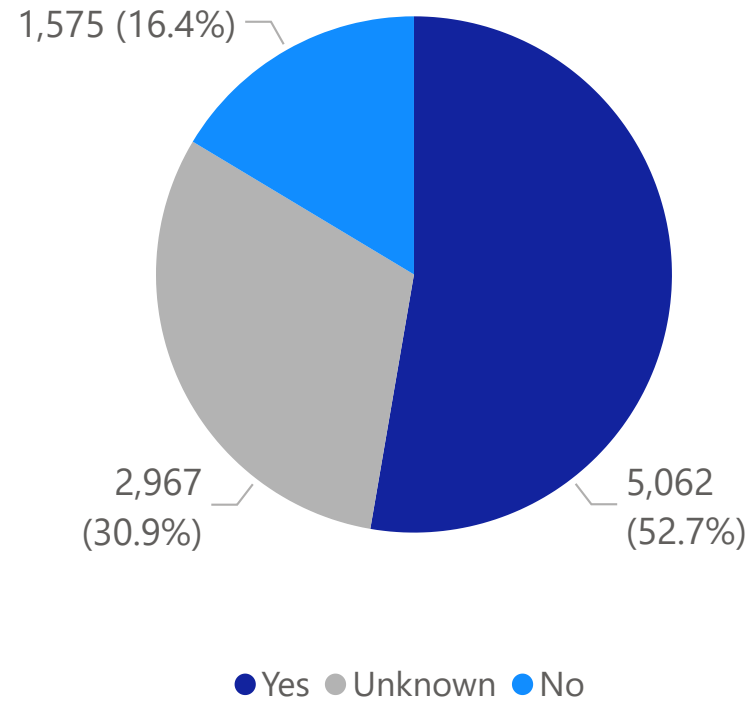


Deaths by Sex, Previous Hospitalization, & Underlying Conditions

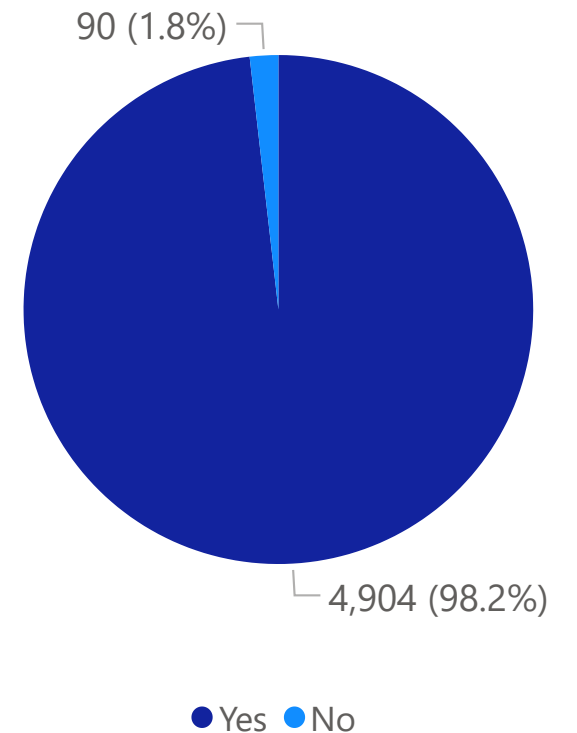
Total Deaths by Sex+



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 8:00am 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.



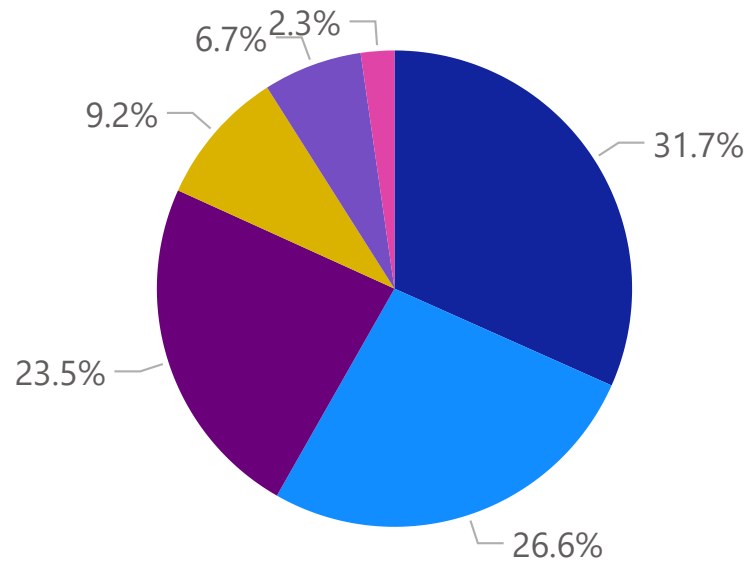
Cases, Hospitalizations, & Deaths by Race/Ethnicity

The following caveats apply to these data:

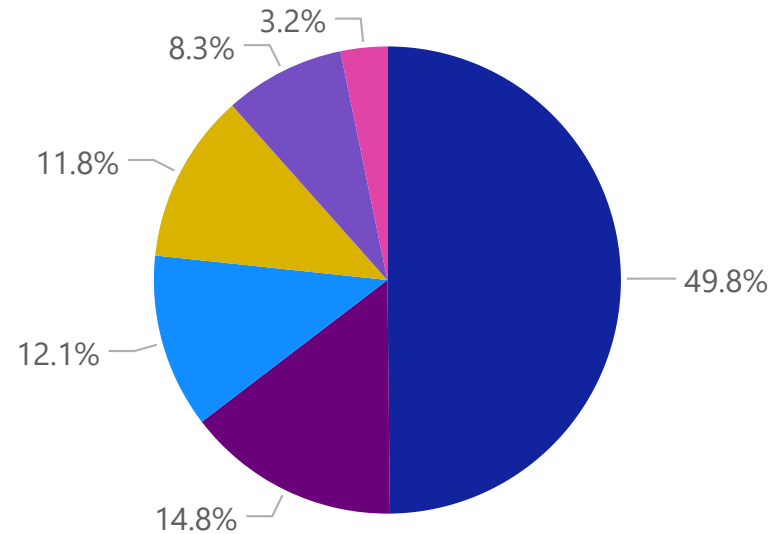
1. Information on race and ethnicity is collected and reported by laboratories, healthcare providers and local boards of health and may or may not reflect self-report by the individual case. 2. If no information is provided by any reporter on a case's race or ethnicity, DPH classifies it as missing. 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 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.

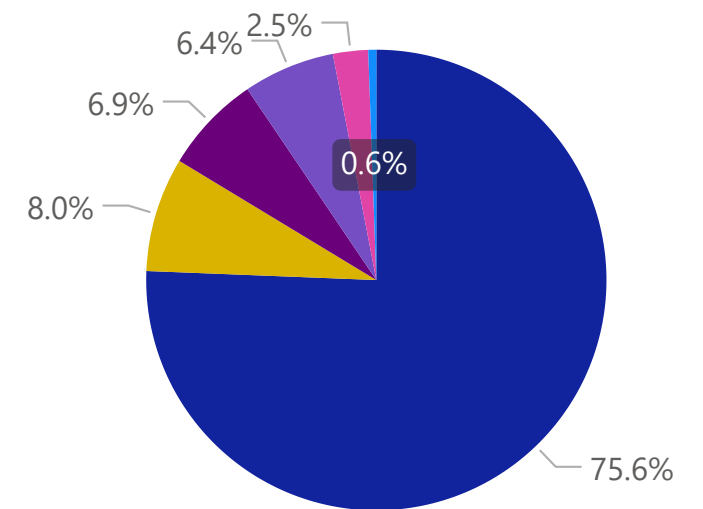
Total Cases, n= 138,903



Total Cases Reported as Hospitalized*, n=12,871



Total Deaths, n=9,604



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

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 cumulative and current as of 8:00am 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

25,198

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

388

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

6,189



Probable Case Information

Newly Reported
Probable Cases Today

0

Total Probable Cases

2,735

Newly Reported
Deaths Among
Probable Today

1

Total Deaths Among
Probable Cases

216



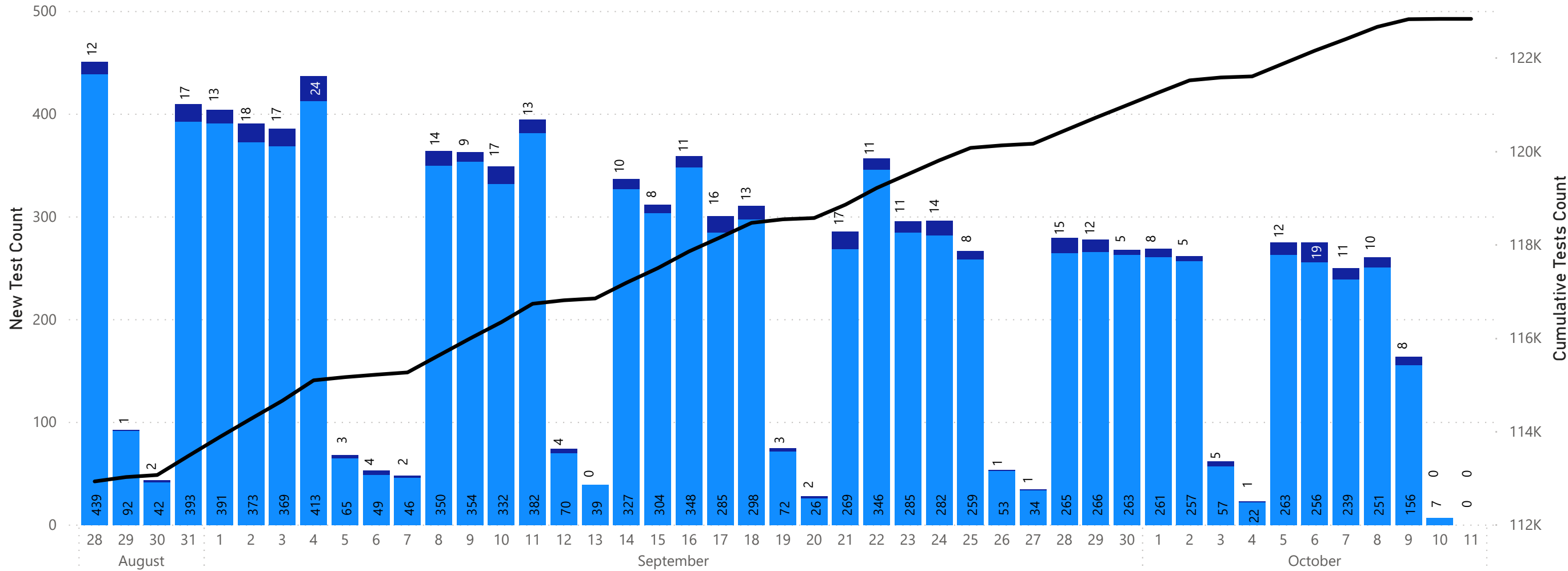
Testing by Date - Antibody

New Individuals Tested by Antibody Tests
188

Total Individuals Tested by Antibody Tests
122,843

Number of Individuals Tested by Antibody by Test Date

● Individuals with Negative Antibody Tests ● Individuals with Positive Antibody Tests ● 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 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. Please note that some individuals have been tested by both molecular and antibody methods.



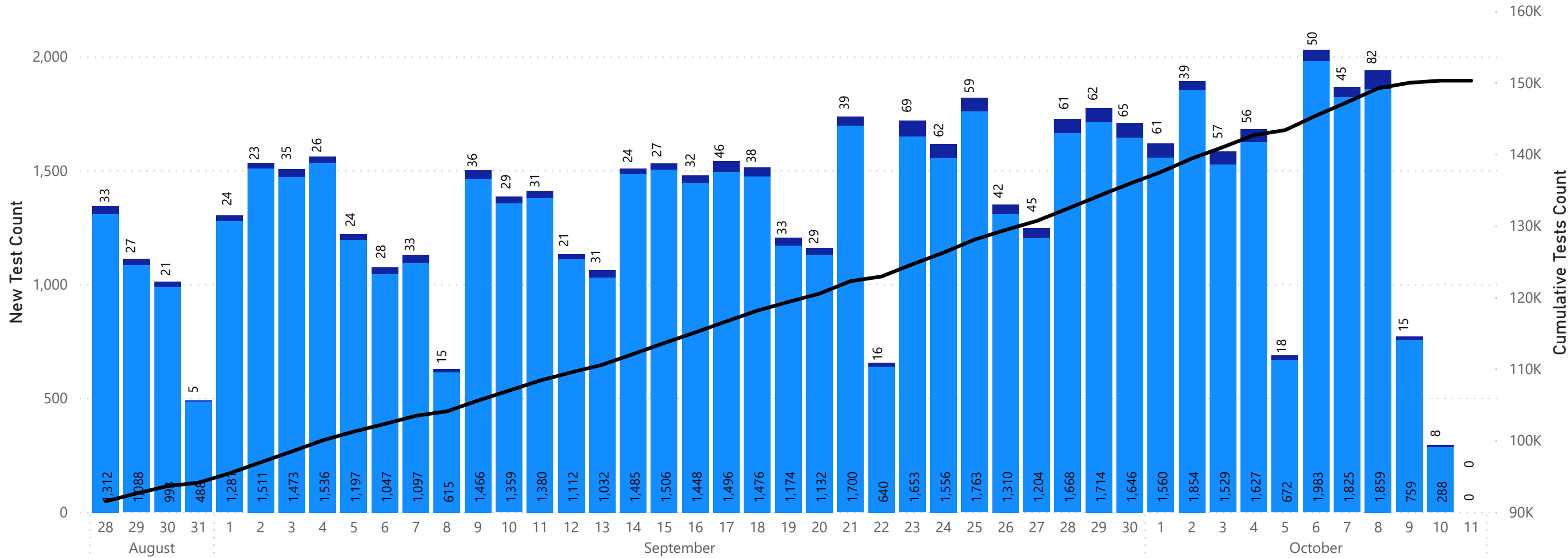
Testing by Date - Antigens

New Individuals Tested by Antigen Tests
775

Total Individuals Tested by Antigen Tests
150,341

Number of Individuals Tested by Antigens by Test Date

● Individuals with Negative Antigen Tests ● Individuals with Positive Antigen Tests ● Cumulative Patients Tested by Antigen 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.

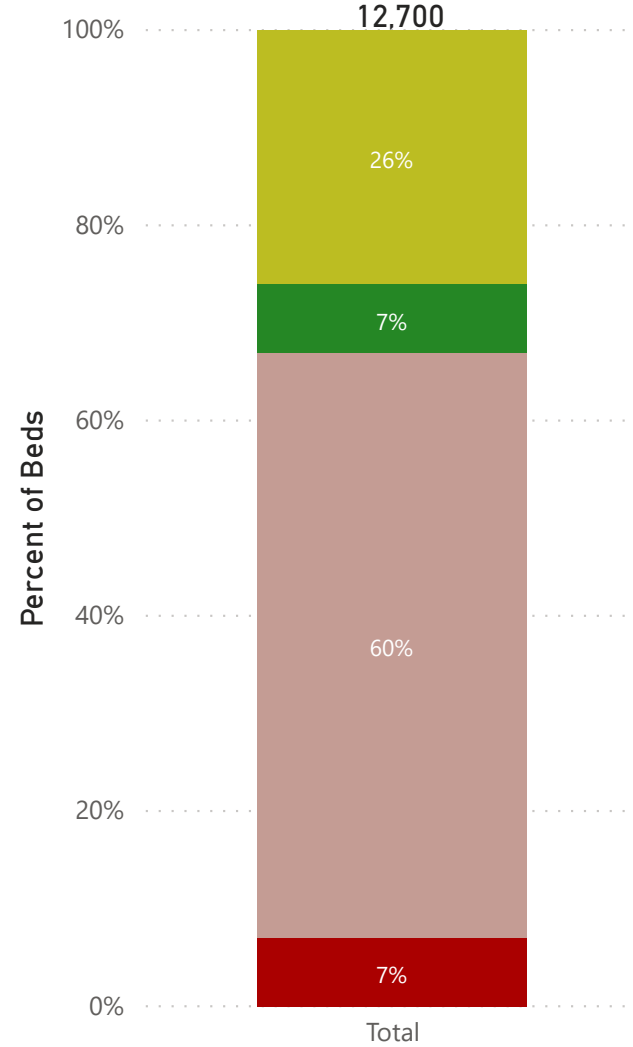
Note: all data are current as of 8:00am on the date at the top of the page. Data previously shown according to date report received; data now presented according to date the individual was tested. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete.



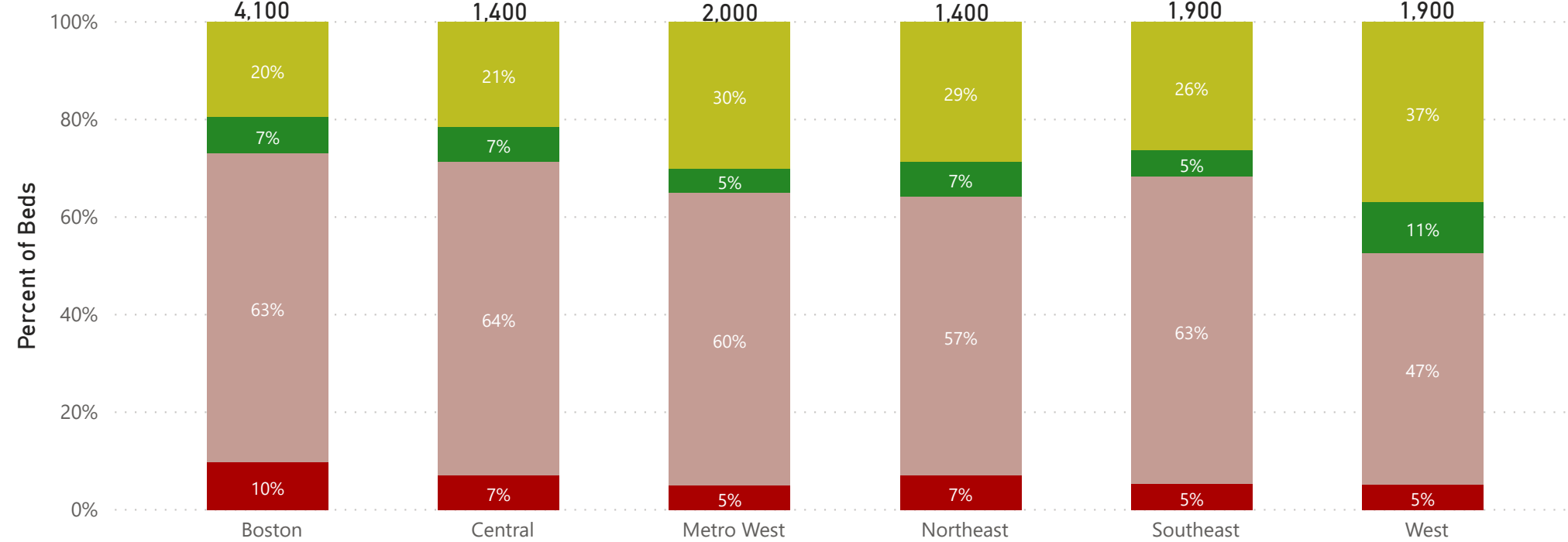
Total Hospital Capacity by Region

Data collected as of 10/10/2020 5:00pm

Massachusetts



By Region



- Available Alternate Medical Site Beds
- Available non-ICU Beds (including Surge)
- Available ICU Beds (including Surge)
- Occupied Alternate Medical Site Beds
- Occupied non-ICU Beds
- Occupied ICU Beds

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. As of June 16th, data reflects updated data collection methodology and the removal of unstaffed beds from this analysis. Analysis here reflects total beds that hospitals could staff within 12-24 hours. Note: Hospital-reported data included here reflects a transition to new federal reporting standards imposed as of 7/22. As a result, data may not be directly comparable to hospital data reported previously. As of 9/8/20, all observation beds and observation status patients will be included in the Available Non-ICU Beds and Occupied Non-ICU Beds categories.



COVID Patient Census by Hospital (1/3)

Data collected as of 10/10/2020 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	10	1
Athol Memorial Hospital	Worcester	0	0
Baystate Franklin Medical Center	Franklin	1	1
Baystate Medical Center	Hampden	15	0
Baystate Noble Hospital	Hampden	3	0
Baystate Wing Hospital	Hampden	0	0
Berkshire Medical Center	Berkshire	0	0
Beth Israel Deaconess Hospital - Milton	Norfolk	17	1
Beth Israel Deaconess Hospital - Needham	Norfolk	9	1
Beth Israel Deaconess Hospital - Plymouth	Plymouth	27	0
Beth Israel Deaconess Medical Center	Suffolk	18	4
Beverly Hospital	Essex	0	0
Boston Childrens Hospital*	Suffolk	2	1
Boston Medical Center	Suffolk	35	6
Brigham and Womens - Faulkner	Suffolk	15	0
Brigham and Womens Hospital	Suffolk	18	2
Brockton Hospital	Plymouth	4	0
Cambridge Hospital	Middlesex	24	4
Cape Cod Hospital	Barnstable	2	0
Carney Hospital	Suffolk	11	5
Clinton Hospital	Worcester	0	0
Cooley Dickinson Hospital	Hampshire	0	0

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

Note: Hospital-reported data included here reflects a transition to new federal reporting standards imposed as of 7/22. As a result, data may not be directly comparable to hospital data reported previously. As of 9/8/20, patients on an observation stay with confirmed or suspected COVID are included in total COVID hospitalization figures in addition to patients who are admitted. This update will create consistency in reporting and provide a more complete picture of total COVID hospitalizations. Most hospitals were already including observation status patients in their reporting, so this update is not expected to have a significant impact on daily trends.



COVID Patient Census by Hospital (2/3)

Data collected as of 10/10/2020 5:00pm

Hospital Name	Hospital County	Hospitalized Total COVID patients - suspected and confirmed (including ICU)	Hospitalized COVID patients in ICU - suspected and confirmed
Dana Farber Cancer Institute*	Suffolk	0	0
Emerson Hospital	Middlesex	4	0
Fairview Hospital	Berkshire	0	0
Falmouth Hospital	Barnstable	1	0
Good Samaritan Medical Center	Plymouth	9	2
Harrington Hospital	Worcester	1	1
Health Alliance-Leominster	Worcester	0	0
Heywood Hospital	Worcester	0	0
Holy Family Hospital	Essex	17	5
Holyoke Hospital	Hampden	6	0
Lahey Hospital Burlington	Middlesex	19	4
Lahey Hospital Peabody	Essex	0	0
Lawrence General Hospital	Essex	12	1
Lowell General Hospital	Middlesex	10	1
Marlborough Hospital	Middlesex	3	1
Marthas Vineyard Hospital	Dukes	0	0
Massachusetts Eye and Ear Infirmary*	Suffolk	0	0
Massachusetts General Hospital	Suffolk	35	8
Melrose Wakefield Hospital	Middlesex	3	0
Mercy Medical Center	Hampden	5	0
Merrimack Valley Hospital	Essex	0	0
MetroWest Medical Center Framingham	Middlesex	10	3
MetroWest Medical Center Natick	Middlesex	0	0

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

Note: Hospital-reported data included here reflects a transition to new federal reporting standards imposed as of 7/22. As a result, data may not be directly comparable to hospital data reported previously. As of 9/8/20, patients on an observation stay with confirmed or suspected COVID are included in total COVID hospitalization figures in addition to patients who are admitted. This update will create consistency in reporting and provide a more complete picture of total COVID hospitalizations. Most hospitals were already including observation status patients in their reporting, so this update is not expected to have a significant impact on daily trends.



COVID Patient Census by Hospital (3/3)

Data collected as of 10/10/2020 5:00pm

Hospital Name	Hospital County	Hospitalized Total COVID patients - suspected and confirmed (including ICU)	Hospitalized COVID patients in ICU - suspected and confirmed
Milford Regional Medical Center	Worcester	6	0
Morton Hospital	Bristol	5	1
Mount Auburn Hospital	Middlesex	6	0
Nantucket Cottage Hospital	Nantucket	1	0
Nashoba Valley Medical Center	Middlesex	0	0
New England Baptist Hospital	Suffolk	0	0
Newton-Wellesley Hospital	Middlesex	17	1
North Shore Medical Center Salem	Essex	2	0
Norwood Hospital	Norfolk	0	0
Saint Vincent Hospital	Worcester	9	3
Saints Memorial Medical Center	Middlesex	0	0
South Shore Hospital	Norfolk	20	4
Southcoast Charlton Memorial Hospital	Bristol	14	4
St Annes Hospital	Bristol	0	0
St Elizabeths Medical Center	Suffolk	8	2
St Lukes Hospital	Bristol	8	1
Sturdy Memorial Hospital	Bristol	24	5
Tobey Hospital	Plymouth	6	0
Tufts Medical Center	Suffolk	14	5
UMass Memorial-Memorial Campus	Worcester	10	5
UMass Memorial-University Campus	Worcester	6	2
Winchester Hospital	Middlesex	9	0

Occupancy/ availability as reported by hospitals to DPH; *Specialty hospital data may be delayed and patient composition may vary.
 Note: Hospital-reported data included here reflects a transition to new federal reporting standards imposed as of 7/22. As a result, data may not be directly comparable to hospital data reported previously. As of 9/8/20, patients on an observation stay with confirmed or suspected COVID are included in total COVID hospitalization figures in addition to patients who are admitted. This update will create consistency in reporting and provide a more complete picture of total COVID hospitalizations. Most hospitals were already including observation status patients in their reporting, so this update is not expected to have a significant impact on daily trends.