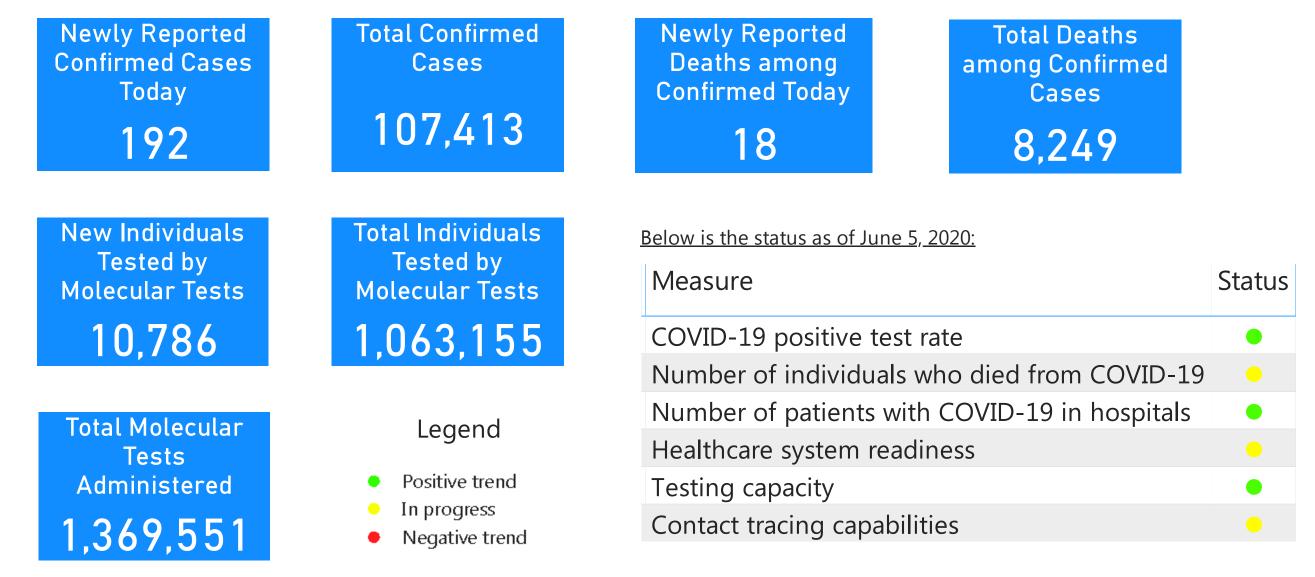


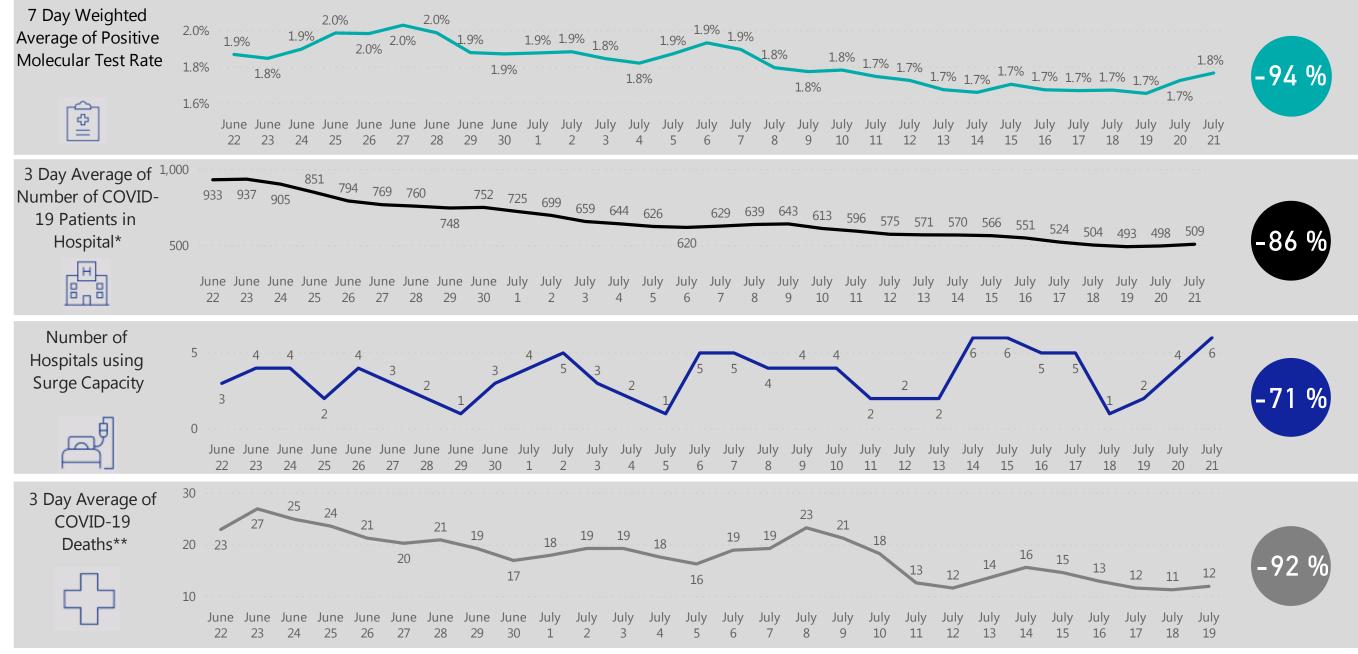
Dashboard of Public Health Indicators



Please note: The front page of the dashboard has been reformatted. Probable case and death information can be found on page 21. Antibody tests (individual and total numbers) can be found on page 7. For more information on the COVID-19 case definition, see https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01 COVID-19.pdf



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 Percent Change Since April 15th



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



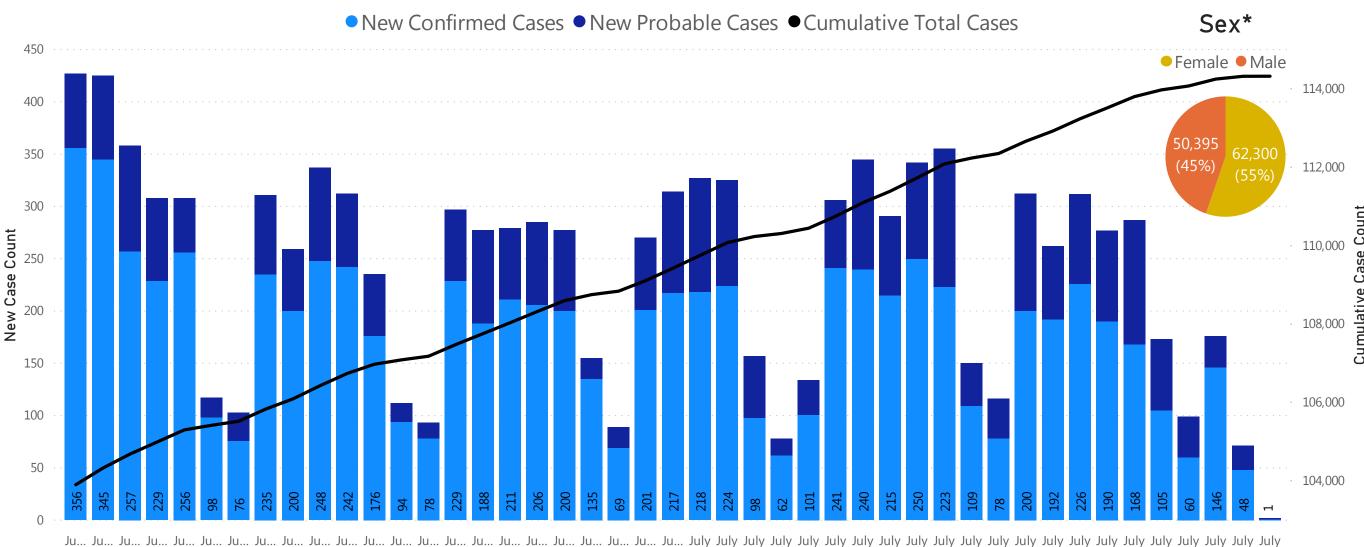
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Daily and Cumulative Confirmed and Probable Cases

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

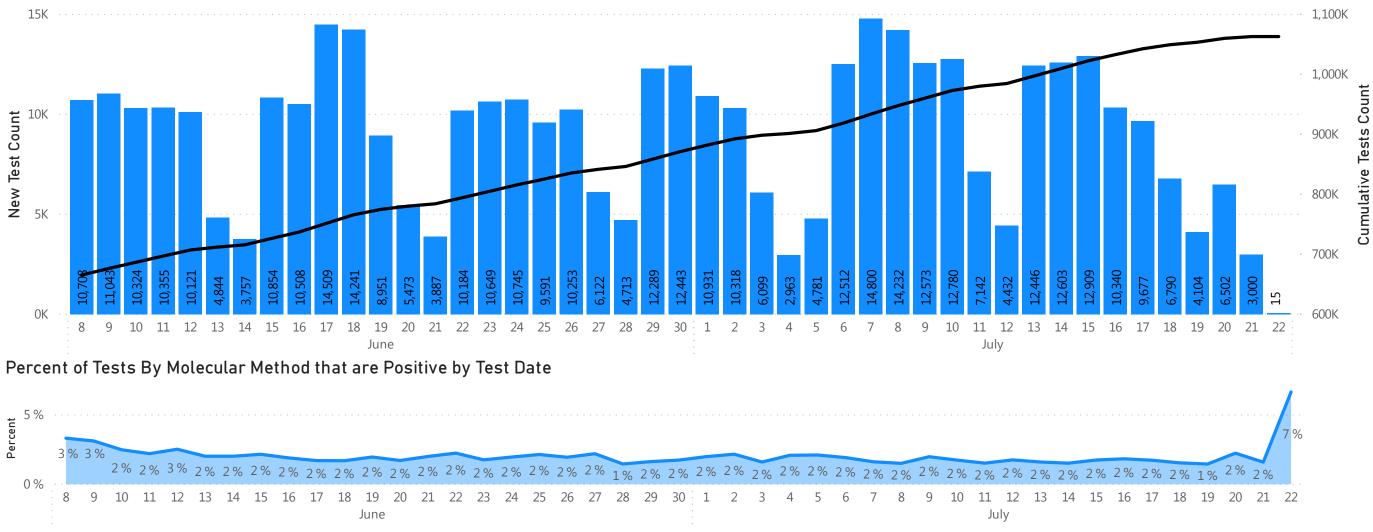


8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health. Note: all data are 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 individual 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. Information on probable case counts and deaths may be found on page 21.

Testing by Date - Molecular (Individuals)

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



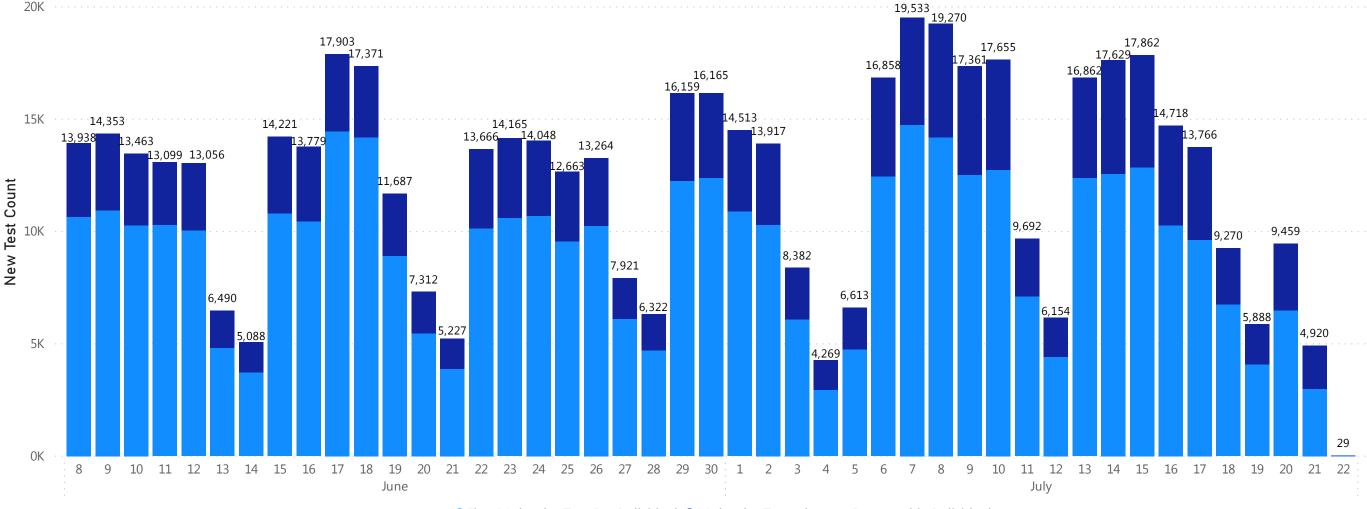


Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.

Note: all data are current as of 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 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 (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)

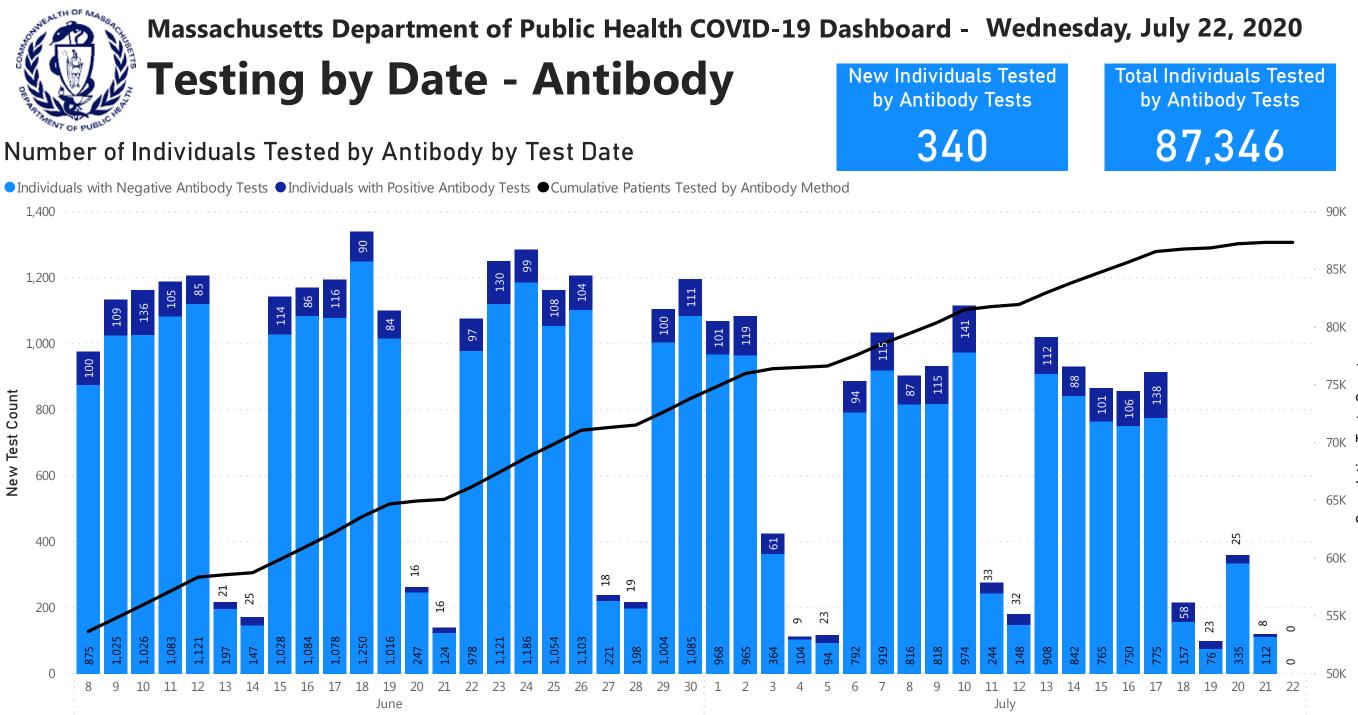
Total Number of Molecular Tests Performed by Date



• 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.

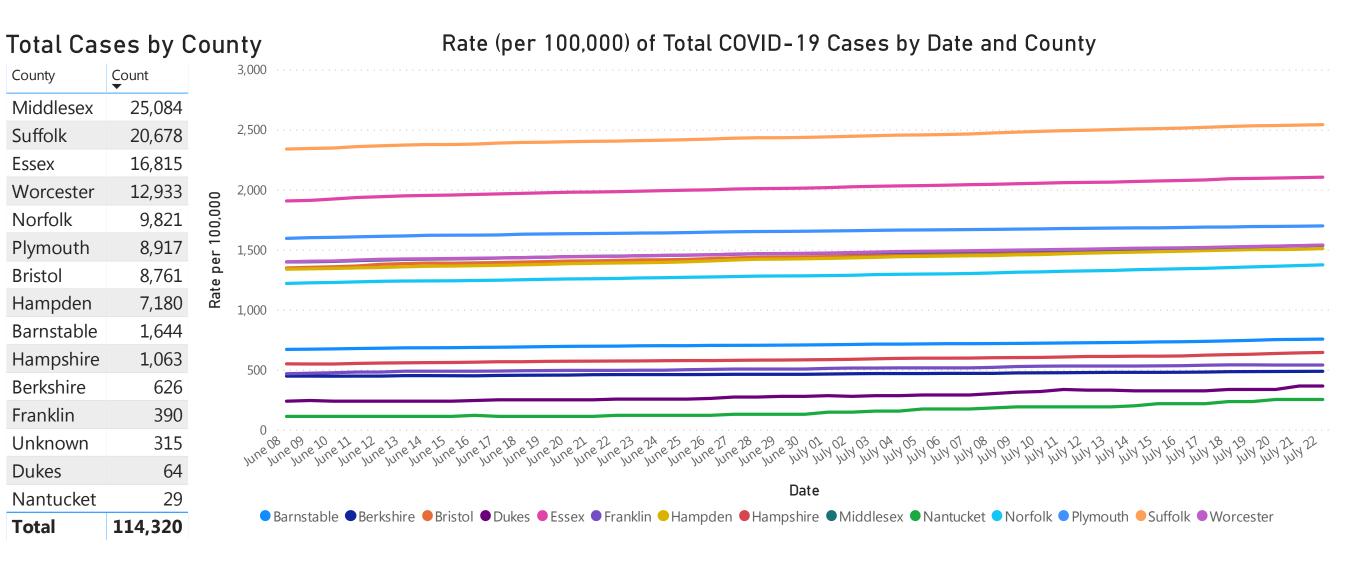
Note: all data are current as of 10:00am on the date at the top of the page. Data previously shown according to date report received; data now presented according to date the individual was tested. Due to lag in reporting by laboratories, counts for most recent dates are likely to be incomplete. Testing by Date - Molecular (Individual) counts the number of individuals with at least one molecular test; Testing by Date - Molecular (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.



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 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.



Cases and Case Growth by County

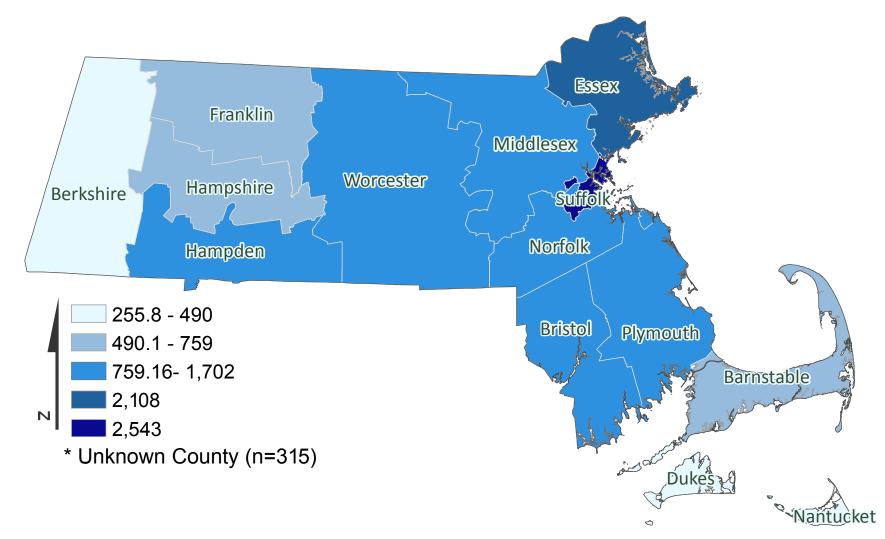


Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; County Population Estimates 2011-2018: Small Area Population Estimates 2011-2020, version 2018, Massachusetts Department of Public Health, Bureau of Environmental Health; Tables and Figures created by the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



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 **Prevalence by County**

Rate (per 100,000) of Total COVID-19 Cases by County (n=114,320)*



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. Includes probable and confirmed cases.

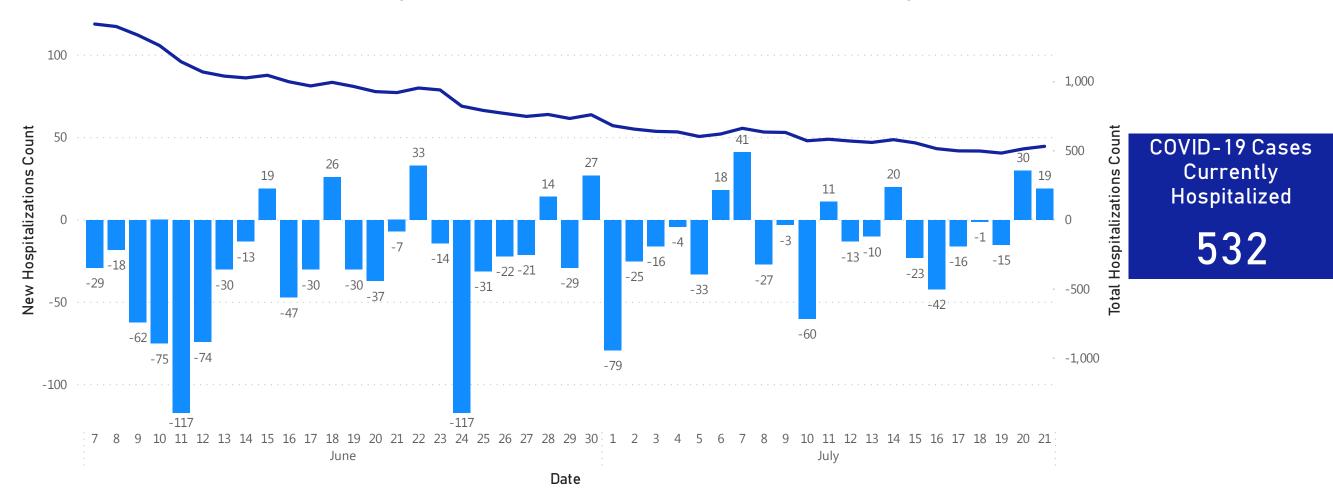
9



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 **Daily and Cumulative COVID-19 Hospitalizations**

Patients Reported as Hospitalized* with COVID-19 by Date

New Hospitalizations by Date



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.

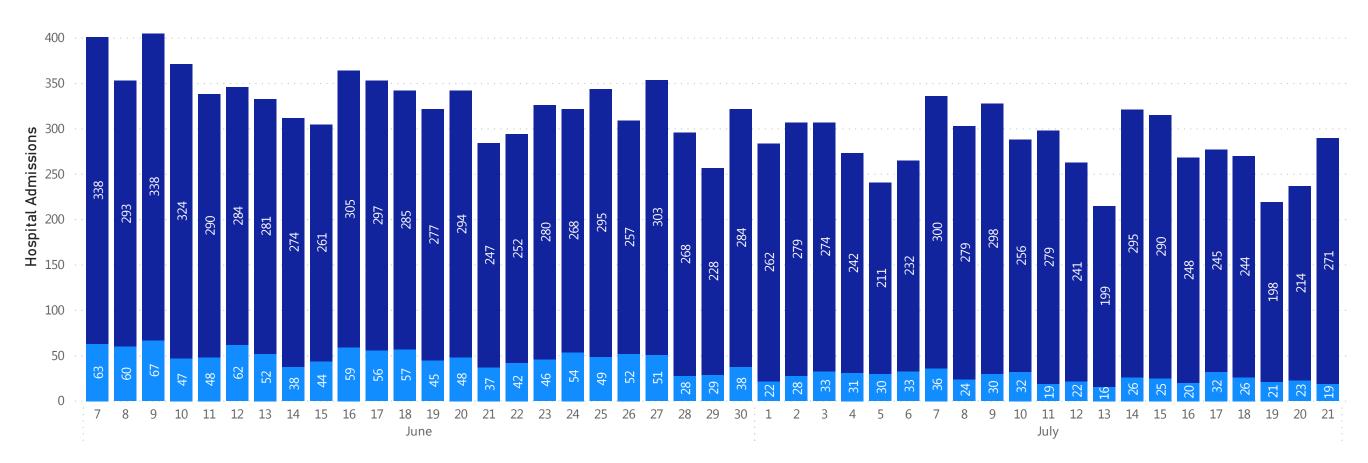
Notes: data are current as of 12:00pm on the date at the top of the page.



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 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 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.

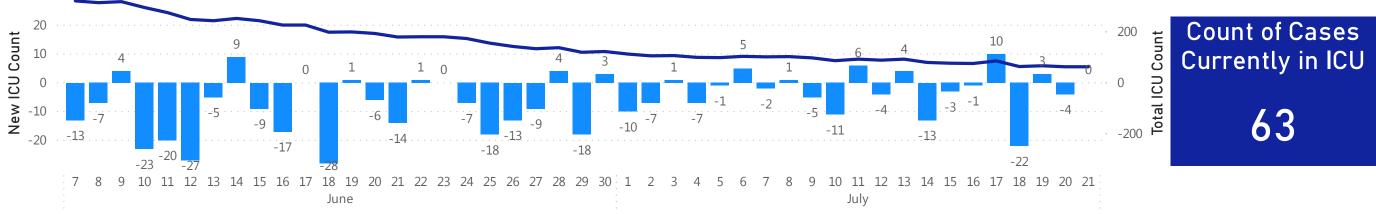
Notes: data are current as of 12:00pm on the date at the top of the page. For purposes of this reporting, "confirmed" are cases with a PCR test. "Suspected" are those with symptoms who have not had a test result yet.



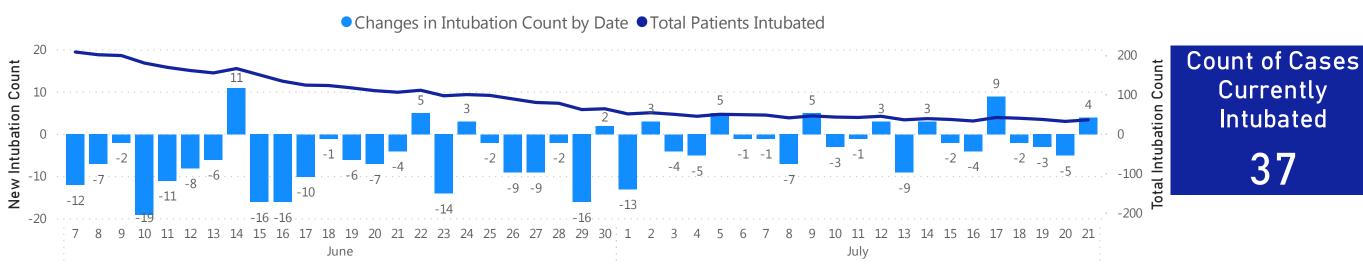
Daily and Cumulative COVID-19 ICU and Intubations

Patients Reported in ICU with COVID-19 by Date





Patients Reported as Intubated with COVID-19 by Date

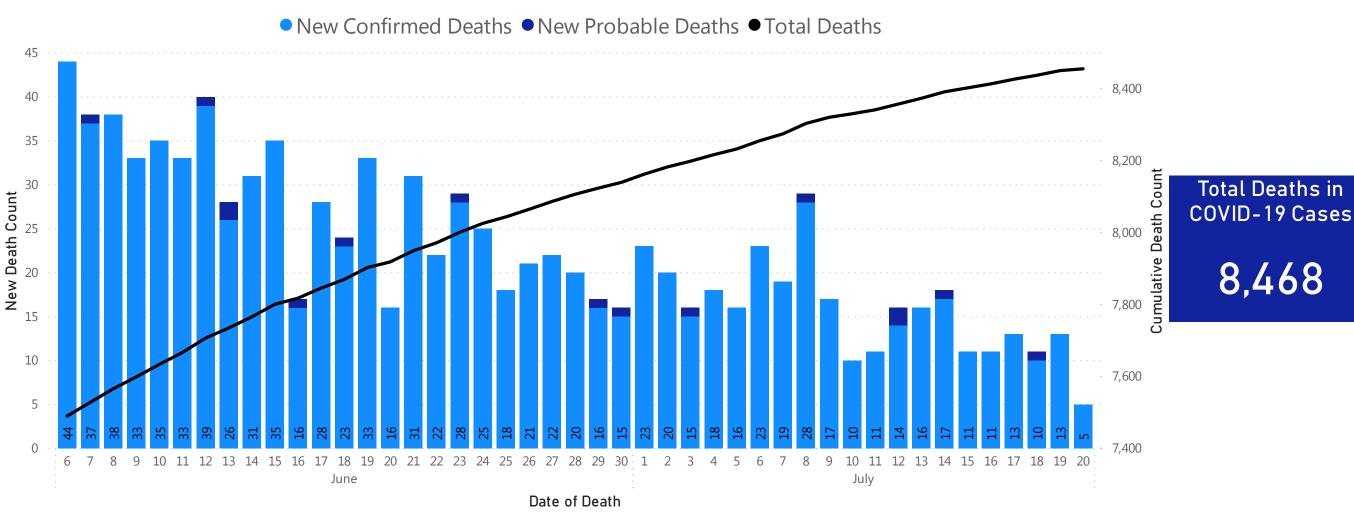


Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and MDPH survey of hospitals (hospital survey data are self-reported); Tables and Figures created by the Office of Population Health. Notes: data are current as of 12:00pm on the date at the top of the page.



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 Daily and Cumulative Deaths

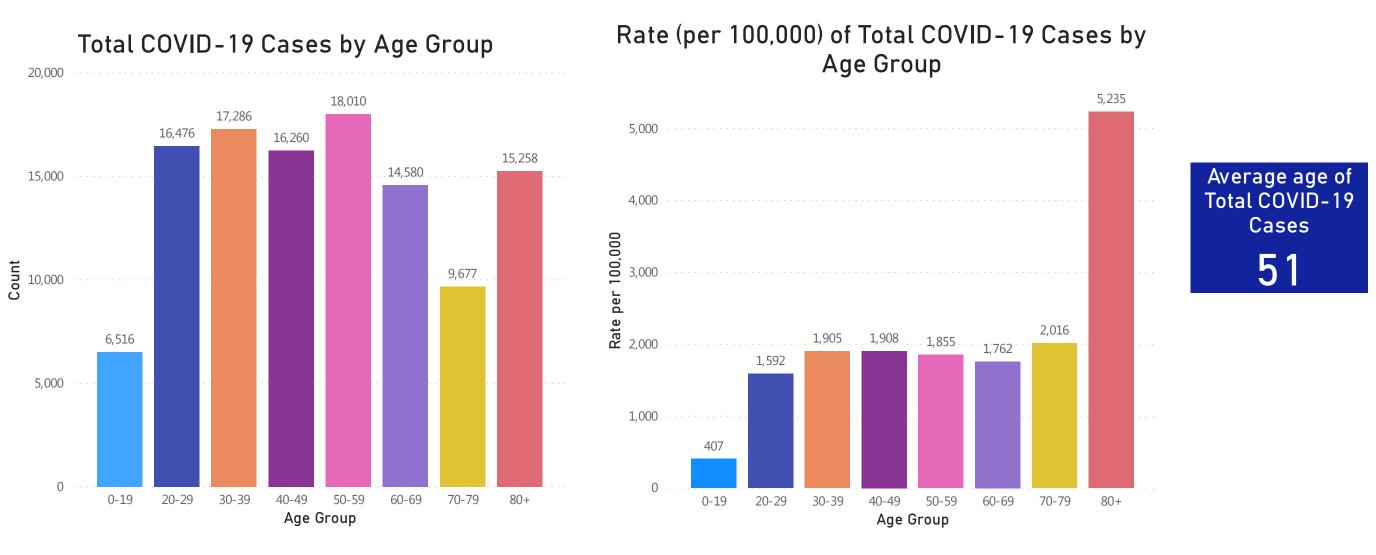




Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; Tables and Figures created by the Office of Population Health Note: all data are current as of 10:00am on the date at the top of the page; *Counts on the 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.



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 Cases and Case Rate by Age Group



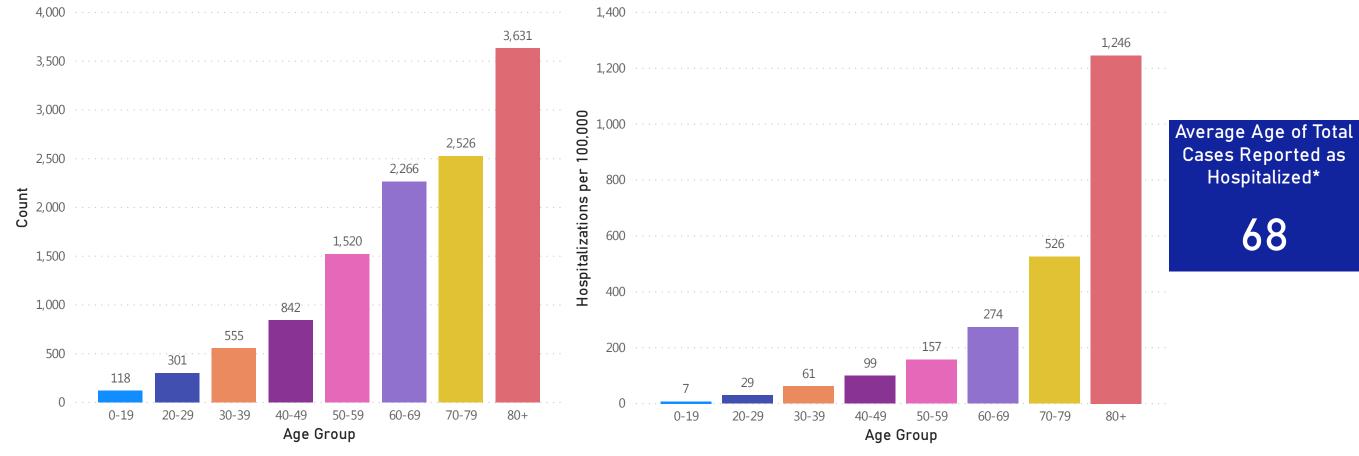
Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences, Population Estimates 2011-2018: Small Area Population Estimates 2011-2020, version 2018; Tables and Figures created by the Office of Population Health.

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.



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 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

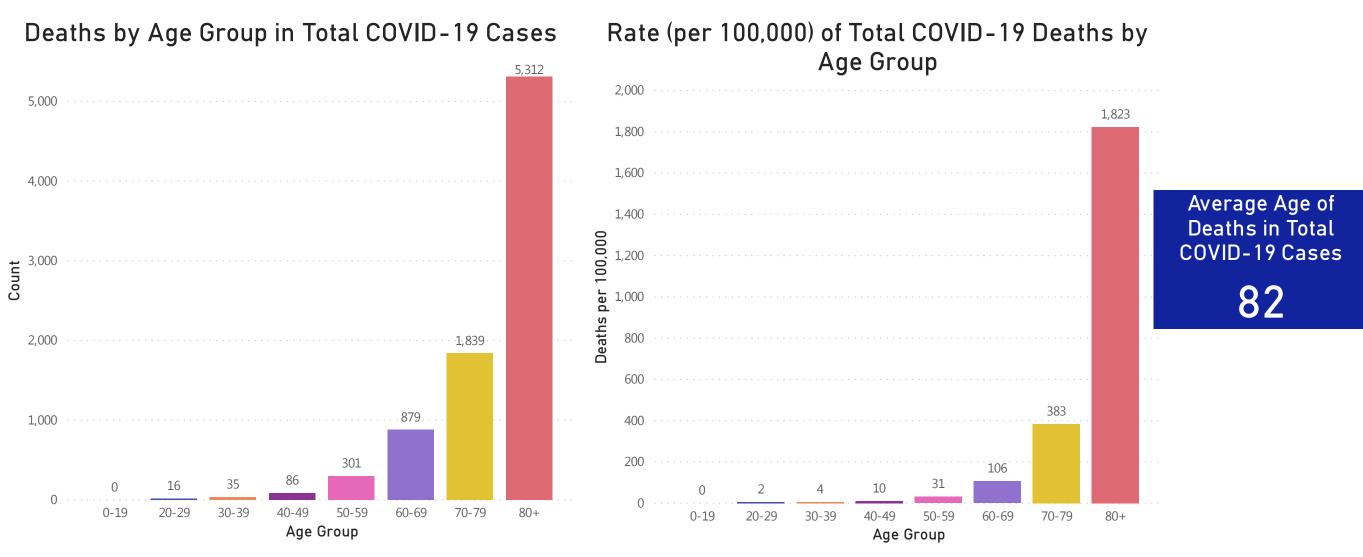


Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Population Estimates 2011-2018: Small Area Population Estimates 2011-2020, version 2018; Tables and Figures created by the Office of Population Health.

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.



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 **Deaths and Death Rate by Age Group**

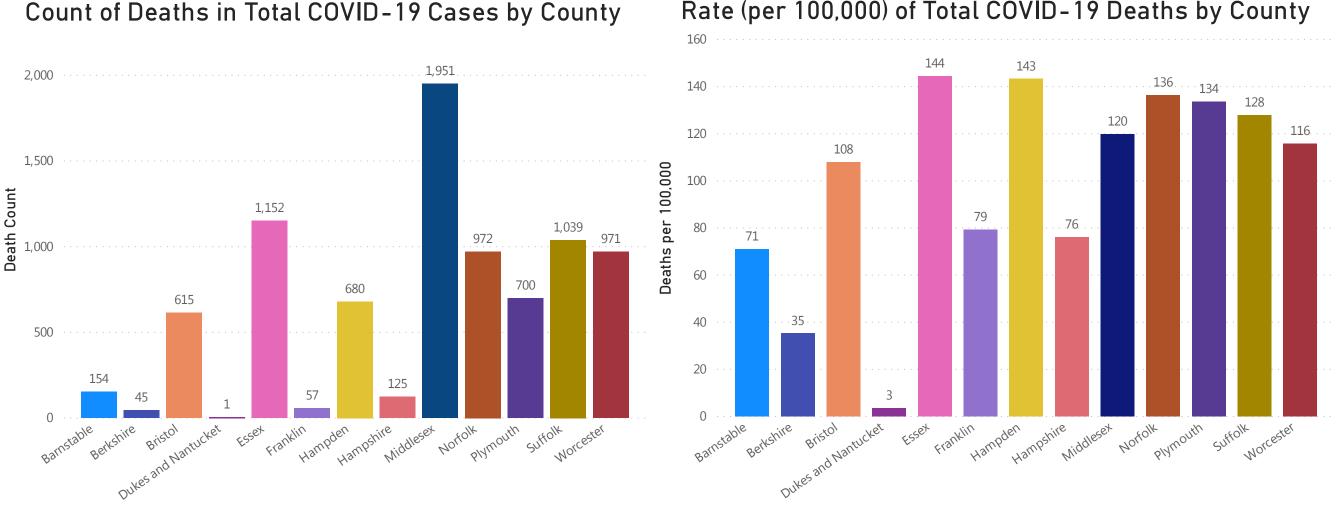


Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; Population Estimates 2011-2018: Small Area Population Estimates 2011-2020, version 2018; Tables and Figures created by the Office of Population Health.

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 - Wednesday, July 22, 2020 **Deaths and Death Rate by County**

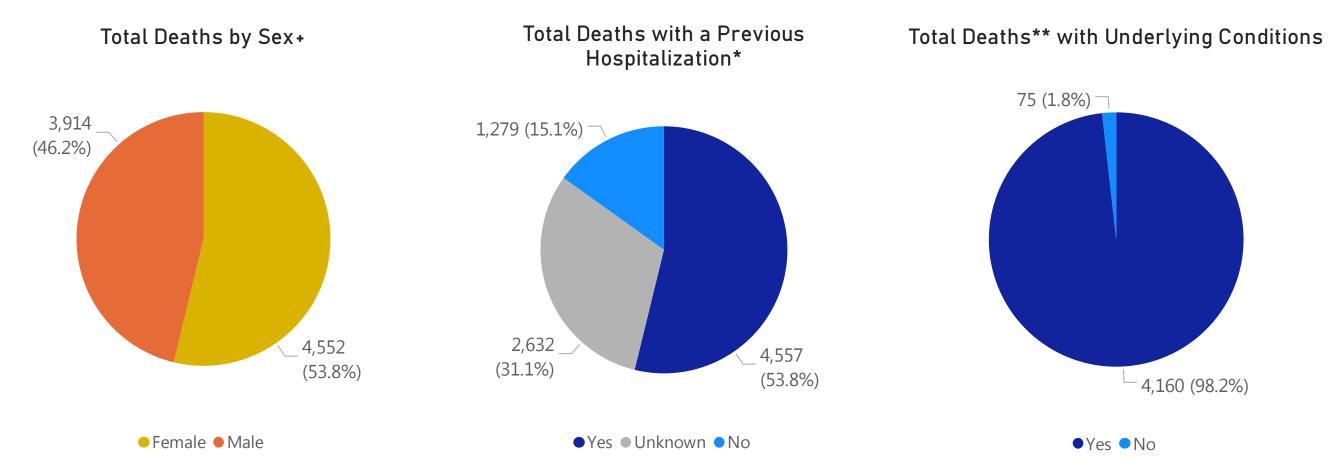


Rate (per 100,000) of Total COVID-19 Deaths by County

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. 17 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 - Wednesday, July 22, 2020 Deaths by Sex, Previous Hospitalization, & 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.



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 Cases, Hospitalizations, & Deaths by Race/Ethnicity

The following caveats apply to these data:

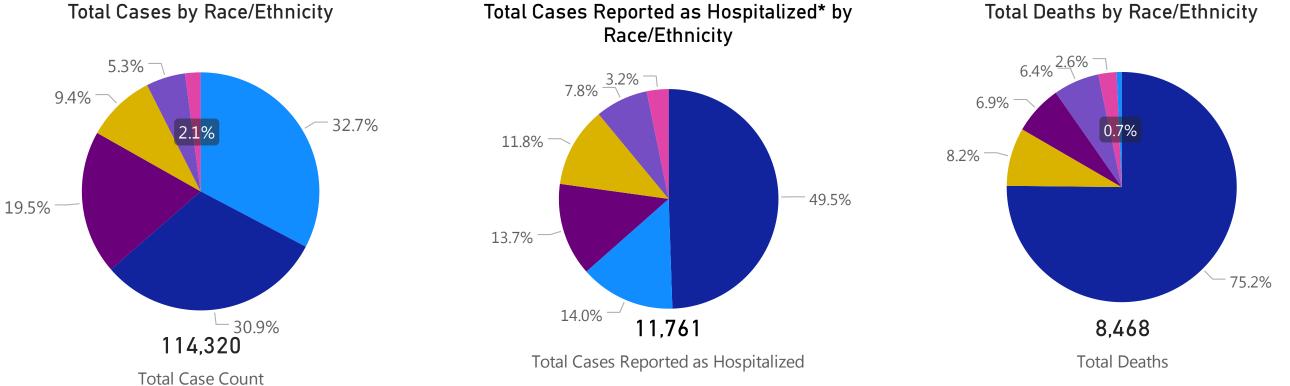
1. Information on race and ethnicity is collected and reported by laboratories, healthcare providers and local boards of health and may or may not reflect self-report by the individual case.

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.



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. 19



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 COVID-19 Cases in Long-Term Care (LTC) Facilities

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

23,900

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

369

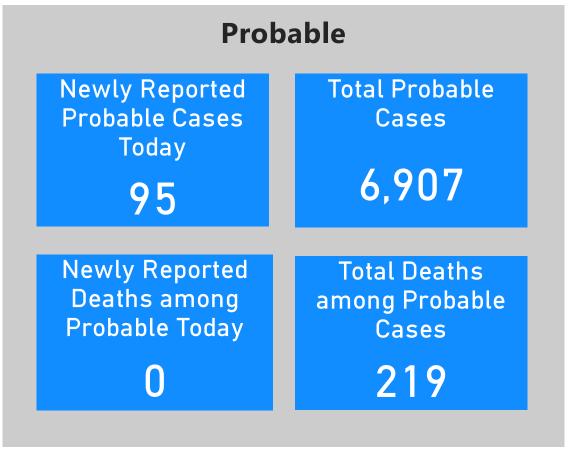
Probable or Confirmed COVID-19 Deaths Reported in Long-Term Care Facilities

5,387

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 10:00am on the date at the top of the page. Data includes nursing homes, skilled nursing facilities, and rest homes.



Probable Case Information



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. Patients who did not have a laboratory test but had COVID-like symptoms and were likely exposed to COVID-19 are counted as probable cases. Probable cases are included in all counts from March 1 onward.

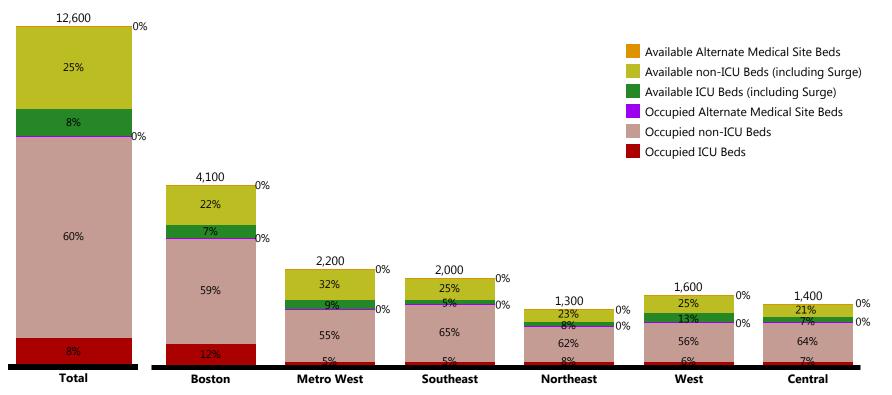
For more information on the Probable case definition, see <u>https://cdn.ymaws.com/www.cste.org/resource/resmgr/2020ps/Interim-20-ID-01_COVID-19.pdf</u>

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.

Massachusetts Department of Public Health COVID-19 Dashboard -

Wednesday, July 22, 2020

Total Hospital Capacity by Region



Data collected as of 7/21/2020 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. 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.



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 COVID Patient Census by Hospital (1/3)

Data collected as of 7/21/2020 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	7	1
Athol Memorial Hospital	Worcester	0	0
Baystate Franklin Medical Center	Franklin	5	1
Baystate Medical Center	Hampden	12	2
Baystate Noble Hospital	Hampden	3	0
Baystate Wing Hospital	Hampden	3	0
Berkshire Medical Center	Berkshire	2	0
Beth Israel Deaconess Hospital - Milton	Norfolk	17	1
Beth Israel Deaconess Hospital - Needham	Norfolk	10	1
Beth Israel Deaconess Hospital - Plymouth	Plymouth	8	0
Beth Israel Deaconess Medical Center	Suffolk	31	5
Beverly Hospital	Essex	3	1
Boston Childrens Hospital*	Suffolk	3	1
Boston Medical Center	Suffolk	28	1
Brigham and Womens - Faulkner	Suffolk	22	0
Brigham and Womens Hospital	Suffolk	33	3
Brockton Hospital	Plymouth	5	0
Cambridge Hospital	Middlesex	10	1
Cape Cod Hospital	Barnstable	3	0
Carney Hospital	Suffolk	4	0
Clinton Hospital	Worcester	1	0
Cooley Dickinson Hospital	Hampshire	7	0



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 COVID Patient Census by Hospital (2/3)

Data collected as of 7/21/2020 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	0	0
Fairview Hospital	Berkshire	0	0
Falmouth Hospital	Barnstable	1	0
Good Samaritan Medical Center	Plymouth	16	0
Harrington Hospital	Worcester	3	3
Health Alliance-Leominster	Worcester	5	1
Heywood Hospital	Worcester	0	0
Holy Family Hospital	Essex	1	0
Holyoke Hospital	Hampden	8	1
Lahey Hospital Burlington	Middlesex	12	2
Lahey Hospital Peabody	Essex	1	0
Lawrence General Hospital	Essex	18	3
Lowell General Hospital	Middlesex	7	1
Marlborough Hospital	Middlesex	1	1
Marthas Vineyard Hospital	Dukes	0	0
Massachusetts Eye and Ear Infirmary*	Suffolk	0	0
Massachusetts General Hospital	Suffolk	46	7
Melrose Wakefield Hospital	Middlesex	2	0
Mercy Medical Center	Hampden	2	1
Merrimack Valley Hospital	Essex	0	0
MetroWest Medical Center Framingham	Middlesex	15	3
MetroWest Medical Center Natick	Middlesex	1	0



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 COVID Patient Census by Hospital (3/3)

Data collected as of 7/21/2020 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	3	1
Morton Hospital	Bristol	3	0
Mount Auburn Hospital	Middlesex	11	3
Nantucket Cottage Hospital	Nantucket	0	0
Nashoba Valley Medical Center	Middlesex	0	0
New England Baptist Hospital	Suffolk	0	0
Newton-Wellesley Hospital	Middlesex	20	1
North Shore Medical Center Salem	Essex	32	3
Norwood Hospital	Norfolk	0	0
Saint Vincent Hospital	Worcester	6	0
Saints Memorial Medical Center	Middlesex	0	0
South Shore Hospital	Norfolk	17	0
Southcoast Charlton Memorial Hospital	Bristol	14	3
St Annes Hospital	Bristol	4	0
St Elizabeths Medical Center	Suffolk	1	0
St Lukes Hospital	Bristol	15	4
Sturdy Memorial Hospital	Bristol	8	0
Tobey Hospital	Plymouth	4	2
Tufts Medical Center	Suffolk	12	2
UMass Memorial-Memorial Campus	Worcester	10	1
UMass Memorial-University Campus	Worcester	4	0
Winchester Hospital	Middlesex	12	2



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 **Department of Corrections on-site Testing Program (1/2)**

Data as of 6/10/2020			I.	I.	I
Facility	Population	Positive	Negative	Inconclusive	Total
Mobile Testing at Massachusetts Correctional Institution – Framingham (MCI-F)	MCI-F inmates	37	64	6	107
	Southern Middlesex Correctional Center (SMCC) inmates	0	40	1	41
	Department of Corrections Staff	2	109	0	111
	Wellpath Staff	1	8	0	9
Mobile Testing at MA Treatment Center (MTC)	MTC Civil and State Inmates	73	360	31	464
	Department of Corrections Staff	5	217	0	222
	Wellpath Staff	0	13	0	13
	Bridgewater State Hospital /CCRS Staff	1	37	0	38
Mobile Testing at Massachusetts Correctional Institution – Shirley (MCI-S)	MCI-S Inmates	91	742	0	833
	Department of Corrections Staff	6	295	0	301
	Wellpath Staff	0	20	0	20
Mobile Testing at Old Colony Correctional Center (OCCC)	OCCC Proper Inmates	0	592	0	592
	ISOU/RU Patients at OCCC	1	29	0	30
	Bridgewater State Hospital Civil Commit Patients	1	73	2	79
	OCCC-Minimum Security Inmates	0	84	0	84
	Department of Corrections Staff	2	65	0	67
	Wellpath Staff	0	10	0	10
	Bridgewater State Hospital /CCRS Staff	0	39	1	40
Mobile testing at North Central Correctional Institution(NCCI) - Gardner	NCCI - Gardner Inmates	0	928	0	928
	Department of Corrections Staff	0	55	0	55
	Wellpath Staff	0	3	0	3
Mobile Testing at Massachusetts Correctional Institution – Concord (MCI-C)	MCI-Concord Inmates	0	582	0	582
	MCI-C and NECC DOC Staff	1	171	0	172
	MCI-C and NECC Wellpath Staff	0	24	0	24
Mobile Testing at Northeast Correctional Center (NECC)	NECC Inmates	0	149	0	149
Boston Pre-Release (BPR)	BPR Inmates	0	68	0	68
	Department of Corrections Staff	0	22	0	28
	Wellpath Staff	0	0	0	0
Massachusetts Alcohol and Substance Abuse Center	MASAC Civils	2	35	0	37
	Department of Corrections Staff	0	6	0	6
	Wellpath/Contractors	9	58	1	68

Source: Executive Office of Public Safety and Security



Massachusetts Department of Public Health COVID-19 Dashboard - Wednesday, July 22, 2020 Department of Corrections on-site Testing Program (2/2)

Data as of 6/10/2020

Facility	Population	Positive	Negative	Inconclusive	Total
Mobile testing at Souza Baranowski Correctional Center	DOC MCI-S Staff	0	14	0	14
	DOC SBCC Staff	1	98	0	99
	Wellpath Staff	0	17	0	17
	SBCC Inmates	2	677	0	679
Mobile Testing at MCI-Shirley (Minimum)	MCI-S Minimum Inmates	0	239	0	239
Mobile Testing at MCI-Cedar Junction	MCI - Cedar Junction Inmates	0	507	0	508
	DOC Staff - CJ	0	77	0	77
	DOC - Norfolk	0	20	0	20
	DOC - Pondville	1	2	0	3
	DOC - SBCC	0	1	0	1
	DOC - Transportation	0	1	0	1
	DOC - Food Service	0	2	0	2
	Wellpath Staff	0	8	0	8
Mobile Testing at Pondville Correctional Center	PCC Inmates	0	113	0	113
Mobile Testing at MCI-Norfolk	MCI - Norfolk Inmates	1	1,233	0	1,234
	DOC Staff - Norfolk	1	41	0	42
	DOC Staff - Pondville	0	4	0	4
	Wellpath Staff	0	4	0	4