

Vaira Harik, Barnstable County Dept of Human Services
COVID Daily Update Chart Package, 1/20/21

(Reminder: My charts show both new confirmed and new probable cases as reported by the DPH and as they appear in MAVEN. **However, I have not been able to update the number of probable cases for the past 3 weeks due to unavailability of data. I will update that tally as soon as I am able.** Reporting on both confirmed and probable case numbers allows the best longitudinal comparison with past data and also most accurately reflects the incidence of new cases and thus the workloads of our town Public Health Nurses who carry out the contact tracing work.)

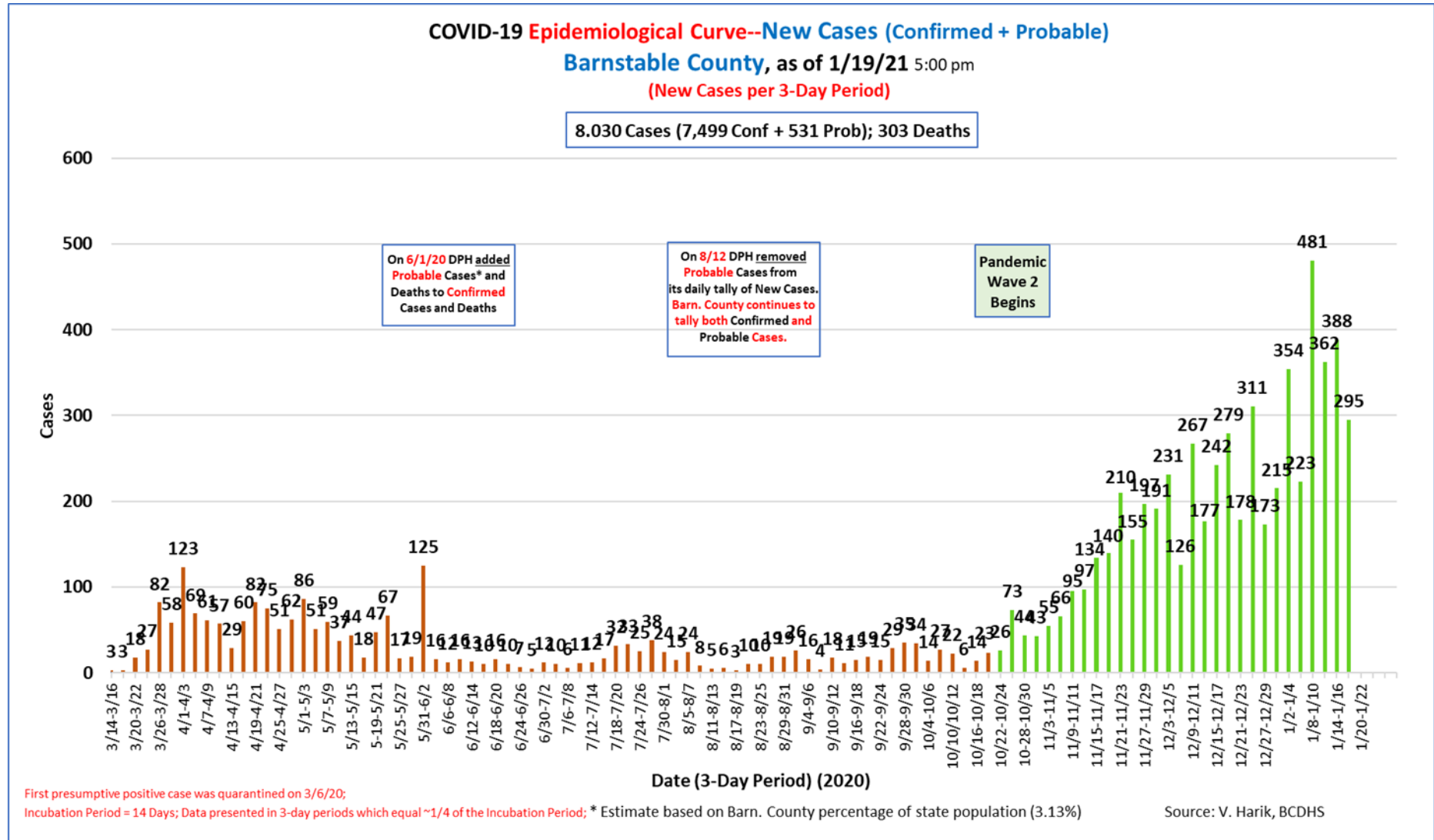
The charts to which I refer in this message can be found in the **Chart Package below.**

Good Morning All.

1. **New Cases:** Yesterday the DPH reported **87** new cases for Barnstable County. **375** cases were reported over the weekend.
2. **Hospitalizations and Fatalities:** 3-day avg. hospitalizations have now increased to the 60's. Fatalities remain elevated, and in-line with the rates seen during Phase 1 last spring.
3. **Schools and Childcare Centers:** Due to the mildness of the flu season **the DPH has removed the requirement that all school children receive a flu vaccination on or before 2/28/21**
4. **Testing**
5. **Weekly Town Risk, and Statewide Cluster Analyses**
6. **Vaccination:**
 - Vaccination in **long term care facilities** began on 12/28.
 - Vaccination of **Police/Fire/EMS** began on Jan 11.
 - Vaccination of **Shelter/Congregate Living residents and staff** begins this week (Jan 18).
 - Vaccination of **home healthcare providers** and other **non-COVID facing clinical providers** will begin in the coming two weeks.
 - The DPH has adjusted its list of persons prioritized for vaccination at the beginning of Phase 2, **adding persons aged 75+ to the first group in Phase 2, and adding residents and staff of public and private low income and affordable senior housing to the first group in Phase 2.**
 - Planning for 4-5 sub-regional mass vaccination sites on Cape Cod, to begin operation during Phase 2, is underway.**
7. **COVID Mutation** and Changes in Transmissibility/Virulence/Other: B117 Variant appears to be equally virulent but at least 50% more transmissible. Within two months of the variant being identified in the UK it has become the dominant strain circulating there. **The CDC is now posting surveillance information on the emergence of the B117 variant in the US: <https://www.cdc.gov/coronavirus/2019-ncov/transmission/variant-cases.html>.**

1. New Cases

Daily new case numbers in Barnstable County remain high and remain in an upward trend. **87** cases were reported yesterday.



Nantucket's 7-day average cases per 100,000 population has trended downward for the past week. Over the weekend **23** cases were reported by the DPH for Nantucket; no cases have been reported since Monday.

Martha's Vineyard's 7-day average cases per 100,000 population has also trended downward for the past week. Over the weekend **24** cases were reported by the DPH for Nantucket; **13** cases have been reported since Monday.

Trailing 14-Day Testing and Cases by County:



Massachusetts Department of Public Health COVID-19 Dashboard – Wednesday, January 13, 2021

Count and Rate of Confirmed COVID-19 Cases and Tests Performed in MA by County, January 1, 2020 – January 12, 2021

County	Total Case Count	Case Count (Last 14 Days)	Average Daily Incidence Rate per 100,000 (Last 14 days)	Relative Change in Case Counts ¹	Total Tests	Total Tests (Last 14 days)	Total Positive Tests (Last 14 days)	Percent Positivity (Last 14 days)	Change in Percent Positivity ²
Barnstable County	6815	1428	47.1	Higher	217409	23619	1568	6.64%	Higher
Berkshire County	3733	894	50.5	Higher	201189	19647	973	4.95%	Higher
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Franklin County	1510	260	26.1	Higher	102671	8061	280	3.47%	Higher
Hampden County	31394	5648	85.7	Higher	611623	65392	6591	10.08%	Higher
Hampshire County	4749	989	43.1	Higher	378069	22144	1095	4.94%	Higher
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Suffolk County	62822	9228	81.4	Higher	2247558	157902	10556	6.69%	No Change
Worcester County	51043	9552	81.3	Higher	1253884	110953	10416	9.39%	Higher
Unknown ³	1290	256	*	*	209782	16941	259	*	*
State	427752	76054	78.0	Higher	11944985	1069689	85470	7.99%	Higher

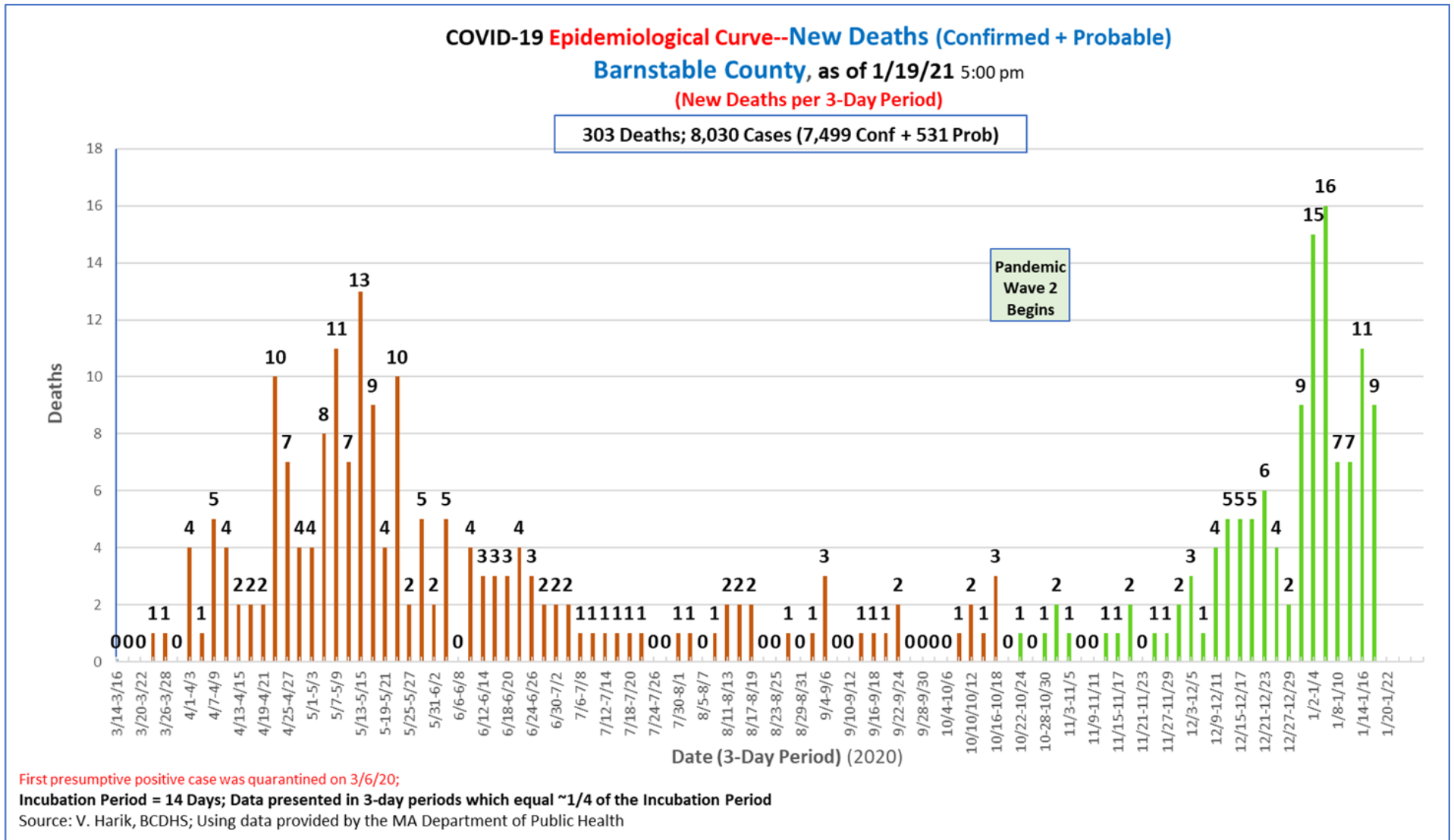
2. Hospitalizations and Fatalities

Hospitalizations and acuity of illness have increased very significantly since the second week of November and remain elevated. Cape Cod Hospital and Falmouth Hospital have **suspended visitation** of inpatients except under very limited circumstances (end-of-life, etc.) and have **stopped non-essential surgeries and other elective procedures**.

DPH reporting of hospitalizations now has a 2-day lag; Tina Shaw of CCHC is providing me with more recent information (thank you Tina). Yesterday the CCHC reported that there were **56 COVID patients in hospital, 18** of which were in the **ICU**.

Fatalities from COVID are increasing in Barnstable County. **Eighteen** additional fatalities were reported over the past 5 days. The total is now **303**.

Barnstable County COVID-Related Hospital & ICU Beds Occupied, with Cases & Deaths							
Source: V. Harik, Barn. County Dept of Human Services; Tabulation of MA DPH Data							
WEEKLY: (On Tuesdays)		Not Cumulative		Cumulative			
Date Reported by DPH	Hospital	Hospital Beds Occupied	ICU Beds Occupied	Barnstable County Cases (Confirmed)	Barnstable County Deaths	3-Day Avg. of Persons in Hosp. (Med/Surg + ICU)	ICU Percent of Beds Occupied
4/22/2020	Cape Cod Hospital	11	5				
	Falmouth Hospital	13	7				
(Wave 1 Peak)		24	12	678	27	41.0	33%
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Hospitalizations, Last Report:							
		Hospital Beds Occupied (Last Report)	ICU Beds Occupied (Last Report)	Barnstable County Cases (Confirmed)	Barnstable County Deaths	3-Day Avg. of Persons in Hosp. (Med/Surg + ICU)	ICU Percent of Beds Occupied
1/19/2021	Cape Cod Hospital	28	13				
	Falmouth Hospital	10	5				
		38	18	7,499	303	61.0	32%



Recent data on COVID fatalities in Barnstable County suggest that residents of **Long Term Care/Skilled Nursing Facilities/Rest Homes** represent over 50% of all fatalities (139 of 256 fatalities, as of 1/5/21). This is a lower percentage than that seen during phase 1 of the pandemic last spring (over 65%).

3. Schools and Childcare Centers

School districts are staying vigilant and reacting well to new cases. Several school districts (Cape and Islands) are dealing with increased confirmed and probable cases and the necessary knock-on effects of information transfer and follow-up. Several school districts on the Cape and Islands remain in 100% remote learning status following the Christmas and New Year's holiday period.

We learn from DESE and the DPH (memo of 1/8/21) that they are seeking to introduce COVID-19 screening testing using a pooled strategy in the school setting. Schools may elect to participate by responding to a survey that DESE/DPH have posted. Further information will be forthcoming.

~~This mandate has been canceled by the DPH. For the 2020-2021 school year the DPH has mandated that all school children be vaccinated for seasonal influenza. This week the DPH extended the deadline for doing so from 12/31/20 to 2/28/21.~~

During Phase 2 of the national and state vaccination rollout **childcare center** staff are to be vaccinated alongside school staff.

4. Testing

Additional testing locations in Barnstable County for both symptomatic and asymptomatic persons remain open in **Falmouth** at the Fairgrounds and in **Hyannis** at the Melody Tent. Daily testing capacity is 50 at the Falmouth site and 350 at the Hyannis site. Neither site is open daily and persons must call ahead for an appointment. Details: <https://www.capecodhealth.org/medical-services/infectious-disease/coronavirus/covid-19-testing-process/>.

In late December additional testing by **Outer Cape Community Health Services** began and continues at its 3 locations in **Wellfleet, Harwich Port, and Provincetown** (<https://outercape.org/2020/12/23/outer-cape-health-services-to-offer-covid-19-asymptomatic-testing-beginning-december-23/>). These sites may not open be daily and persons must call ahead for an appointment.

Eligibility criteria for the testing include residency in Barnstable County. Testing will be done by appointment only. Tests cost \$75, \$110 for travel-related tests, and no one will be turned away if unable to pay for a test.

DPH-mandated **routine testing** in skilled nursing facilities/long term care settings (SNF/LTC) continues. This provides critical surveillance and allows these facilities to stay ahead of asymptomatic spread amongst staff and residents. Routine testing in SNF/LTC settings has increased to weekly for staff.

In addition, the State's **BinaxNOW rapid testing program** (already available to **schools**) has been extended to visitors of **nursing homes** and rest home residents (LTC settings) to allow visitation of residents while limiting the risk of infection from visitors. DPH has published guidance on this. The program has also been extended to **childcare centers and homeless shelters** and management of these facilities may apply to the EEC and DPH for testing kits.

5. Weekly Town Risk and Statewide Cluster Analyses

Among the charts below is DPH's weekly analysis of new and active **case clusters**. Note that these data were published last Thursday (1/14/2021) and cover the period 12/13/20 to 1/9/21. The table presents the number of cases by type of location, statewide. **I have sorted the DPH data to show the listing of cluster settings by greatest number of new confirmed cases.** The top 10 are listed here; the full table can be found in today's [Chart Package](#).

Active COVID Clusters by Exposure Setting Type for the Period 12/13/20 to 1/9/21 (as of 1/14/21)										
Source: https://www.mass.gov/info-details/covid-19-response-reporting . Tabulation: V. Harik, Barnstable County DHS										
Sorted by Number of Cases in New Cluster Settings										
	Exposure Setting	New Clusters (Identified 12/13 – 1/9)			Ongoing Clusters (Not Meeting Criteria for Closing)			Total		
		Clusters	Confirmed Cases	Close Contacts	Clusters	Confirmed Cases	Close Contacts	Clusters	Confirmed Cases	Close Contacts
1	Household	21,558	55,102	---	22,147	7,905	---	43,705	63,007	---
2	Long Term Care Facilities	97	907	---	236	3,045	---	333	3,952	---
3	Child Care	111	344	390	249	194	485	360	538	875
4	Senior Living	42	319	83	115	664	67	157	983	150
5	24/7 Congregate Settings	51	232	52	76	133	37	127	365	89
6	Social Gatherings	33	219	86	67	13	15	100	232	101
7	Hospitals	20	166	54	45	154	134	65	320	188
8	Organized Athletics/Camps	26	110	231	20	28	52	46	138	283
9	Corrections	5	82	.	17	1,289	82	22	1,371	82
10	Retail & Services	19	76	28	34	47	15	53	123	43

In addition, the weekly **town risk table** for the Cape and Islands is attached in today's **Chart Package**. Again, these data were published last Thursday (1/14/20) and they cover the period 12/27 to 1/9. **10 of 15 towns on Cape Cod are now coded Red**, indicating very high risk of community spread across the Cape.

6. Vaccination

The **State COVID Vaccination Plan** for Phase 1 is proceeding. In Phase 1 of the State Plan healthcare workers, older adults living in skilled nursing facilities/congregate care settings, police/fire/EMS, shelters/congregate living/corrections, and other healthcare workers will be prioritized for vaccination as doses become available. **Childcare staff** will be eligible for vaccination alongside school staff in Phase 2. First shipments of the **Pfizer** vaccine have been to hospitals across the state for vaccination of their workers; **Moderna** vaccine has been shipped to clinical care sites and other providers who are vaccinating other groups in Phase 1. The State has contracted with **CVS and Walgreens** to arrange vaccination of **older adults in SNFs/congregate care**.

- Vaccinations in **LTCs** began on 12/28 on Cape Cod.
- Vaccinations of **Police/Fire/EMS** will begin on 1/11.
- Vaccination of staff and **residents** in **shelters**, other state-funded **congregate living settings**, and **correctional facilities** will begin this week (1/18).
- Vaccination of **home healthcare providers** and other **non-COVID facing clinical providers** will begin in the coming two weeks.
- **Vaccination of Phase 2 Group 1 (Age 75+, 2+ comorbidities, residents and staff of low-income/affordable senior housing (public and private-funded facilities) will likely begin in early February.**

The Barnstable County Dept of Health and Environment has organized vaccination clinics for first responders in the Middle, Lower, and Outer Cape. The Sandwich Health Department, in partnership with other town Health Departments, is vaccinating first responders in the Upper Cape area. **Planning for regional mass vaccination sites, to begin operation during Phase 2, is underway.**

The DPH has **added persons age 75+** to its list of persons prioritized for vaccination in **Phase 2 Group 1.**

7. COVID Mutation and Changes in Transmissibility/Virulence/Other

The emergence of a variant of the COVID-19 virus in the UK, classified as B.1.1.7, was identified in October and publicized in early December. Reports hold that B117 is 50% - 70% more contagious than our predominant variant now circulating (D614G). **Within two months of the variant being identified in the UK it has become dominant strain circulating there.** B117 is spreading globally and has been detected in the US.

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Researchers are working to determine if B117 differs from D614G in terms of: **1.** How sick people become, **2.** If natural immunity is different following infection with D614G, and **3.** If immunity from vaccination differs since the vaccine was developed during the period that D614G has been predominant.

The CDC is now posting surveillance information on the emergence of the B117 variant in the US: <https://www.cdc.gov/coronavirus/2019-ncov/transmission/variant-cases.html>.

According to an article by Andrew Joseph from StatNews, "Coronaviruses evolve more slowly than viruses like flu, but they do pick up mutations as they spread. **SARS-CoV-2 has been adding one or two changes a month to its RNA genome since it emerged late last year in China**, and different versions of the virus have been continuously circulating throughout the course of the pandemic. **But this variant (B.1.1.7 or VUI-202012/01) showed up with at least 17 mutations**, according to one genetic analysis." (Source: https://www.statnews.com/2020/12/21/looming-questions-new-variant-coronavirus/?utm_source=STAT+Newsletters&utm_campaign=1a74bda2ca-MR_COPY_01&utm_medium=email&utm_term=0_8cab1d7961-1a74bda2ca-150158417).

See the **CHART PACKAGE** below for additional information.

Vaira Harik, M.S.

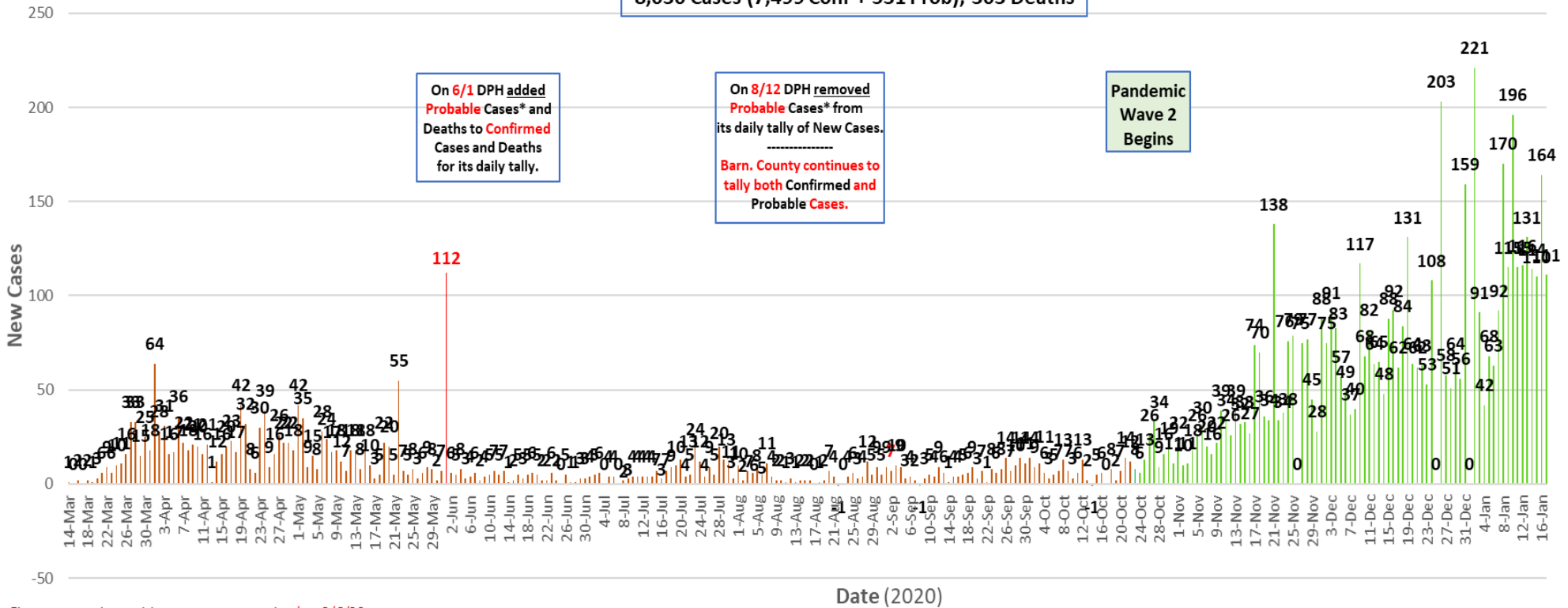
Deputy Director

Barnstable County Dept. of Human Services

Email: vharik@barnstablecounty.org

COVID-19 New Cases--Daily (Confirmed + Probable)
Barnstable County, as of 1/19/21 5:00 pm

8,030 Cases (7,499 Conf + 531 Prob); 303 Deaths



First presumptive positive case was quarantined on 3/6/20;

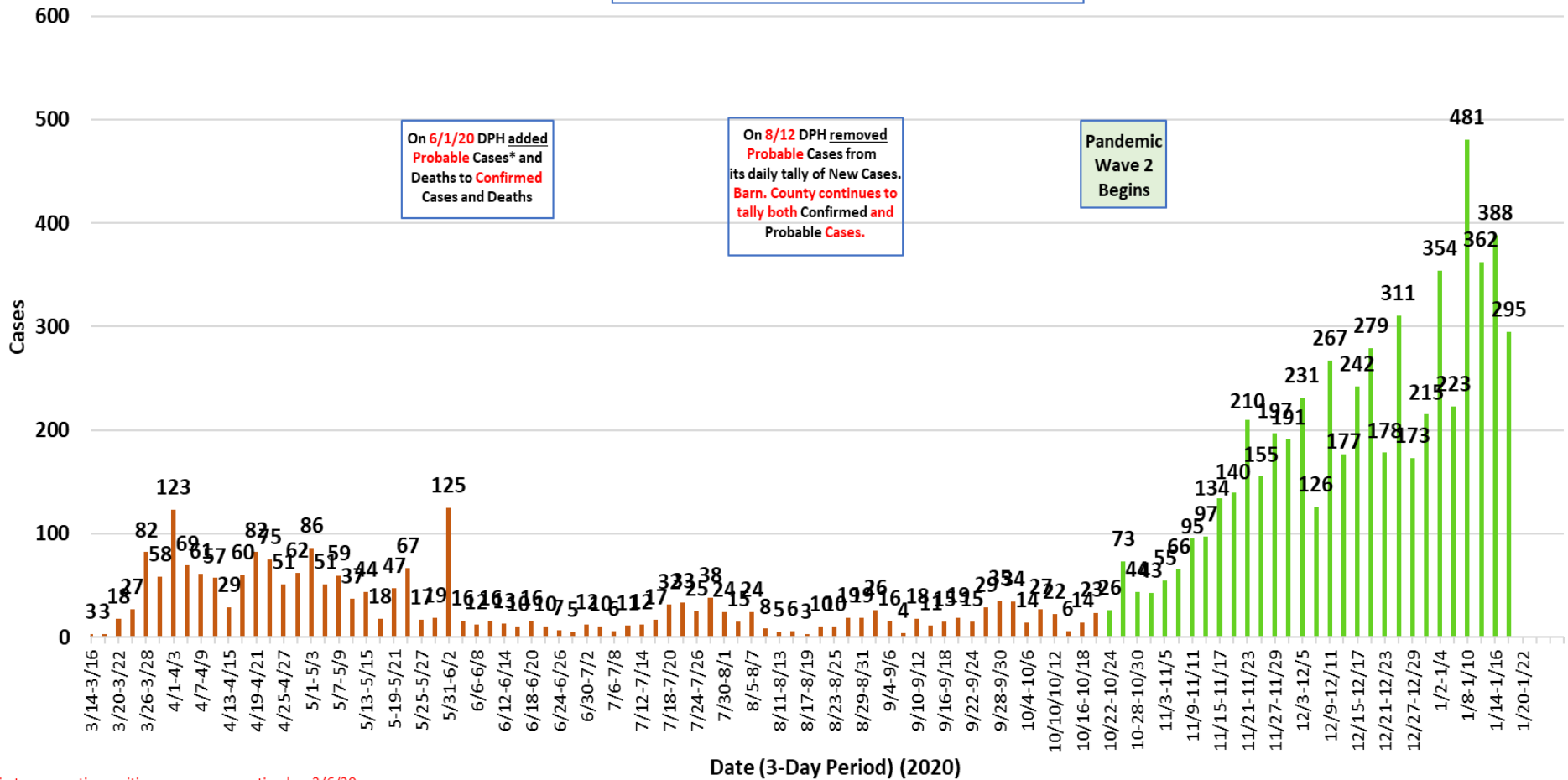
* Estimate based on Barn. County percentage of state population (3.13%)

Source: V. Harik, BCDHS

COVID-19 Epidemiological Curve--New Cases (Confirmed + Probable)

Barnstable County, as of 1/19/21 5:00 pm
 (New Cases per 3-Day Period)

8.030 Cases (7,499 Conf + 531 Prob); 303 Deaths



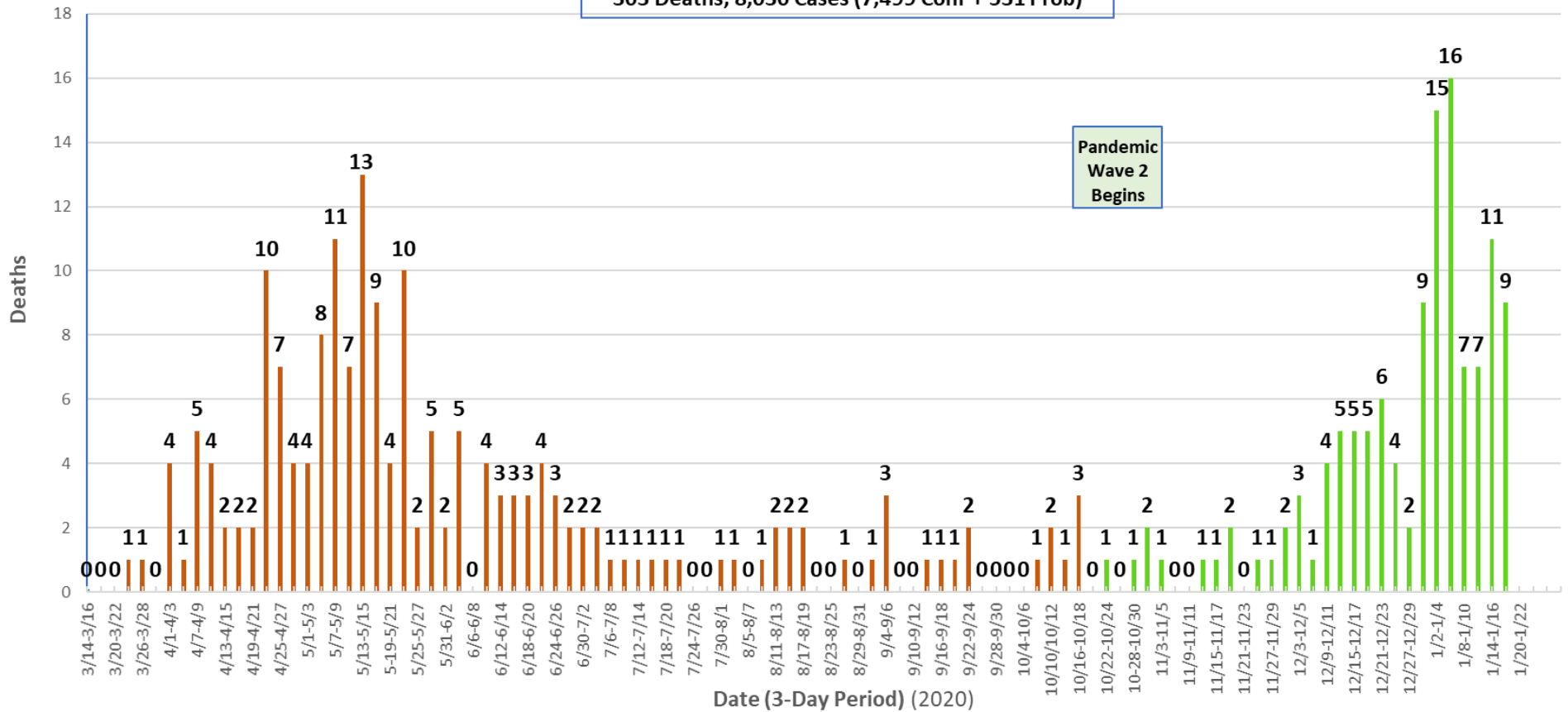
First presumptive positive case was quarantined on 3/6/20;

Incubation Period = 14 Days; Data presented in 3-day periods which equal ~1/4 of the Incubation Period; * Estimate based on Barn. County percentage of state population (3.13%)

Source: V. Harik, BCDHS

COVID-19 Epidemiological Curve--New Deaths (Confirmed + Probable)
Barnstable County, as of 1/19/21 5:00 pm
(New Deaths per 3-Day Period)

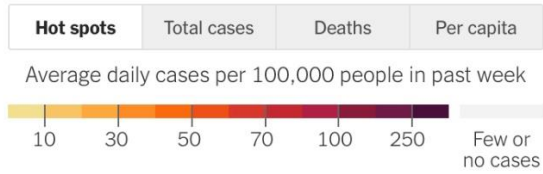
303 Deaths; 8,030 Cases (7,499 Conf + 531 Prob)



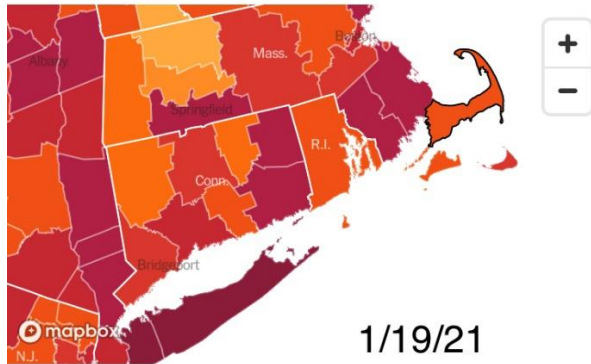
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Incubation Period = 14 Days; Data presented in 3-day periods which equal ~1/4 of the Incubation Period
 Source: V. Harik, BCDHS; Using data provided by the MA Department of Public Health

Source: NYTimes.com:

BARNSTABLE 1/19/21



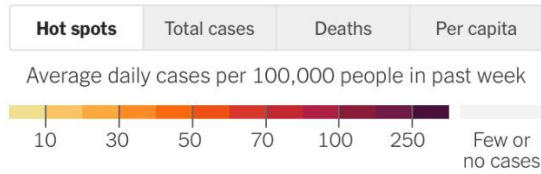
Use two fingers to pan and zoom. Tap for details.



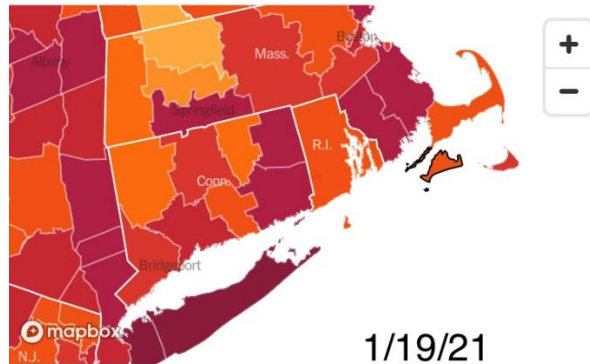
Sources: State and local health agencies. Population and demographic data from Census Bureau.

► About this data

DUKES, 1/19/21



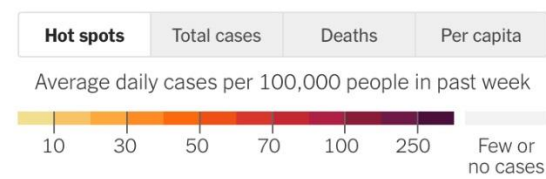
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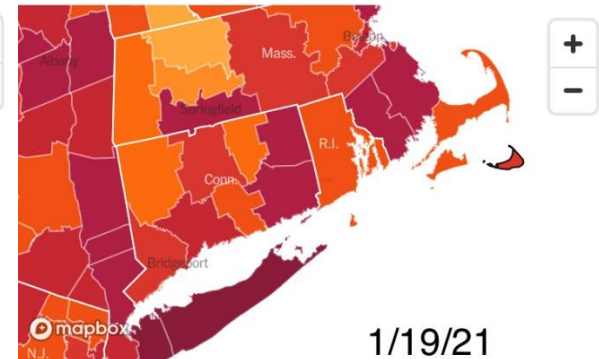
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► About this data

NANTUCKET, 1/19/21



Use two fingers to pan and zoom. Tap for details.



Sources: State and local health agencies. Population and demographic data from Census Bureau.

► About this data

Barnstable County, Mass.		Dukes County, Mass.		Nantucket County, Mass.	
Avg. Daily Cases	PER 100,000	Avg. Daily Cases	PER 100,000	Avg. Daily Cases	PER 100,000
120	57	9.0	52	7.1	63
14-DAY TREND		14-DAY TREND		14-DAY TREND	

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COVID Daily Update Chart Package, 1/20/21

Barnstable County COVID-Related Hospital & ICU Beds Occupied, with Cases & Deaths							
Source: V. Harik, Barn. County Dept of Human Services; Tabulation of MA DPH Data							
WEEKLY: (On Tuesdays)		Not Cumulative		Cumulative			
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		38	18	7,499	303	61.0	32%

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COVID Daily Update Chart Package, 1/20/21

Barnstable County COVID Cases and Facility-Reported Deaths in Long Term Care Facilities (thru 1/5/21)					
#	Facility	County	Licensed Beds	Cases* (Staff & Residents)	Deaths** (Residents Only)
1	ADVINIA CARE AT PROVINCETOWN	Barnstable	41	1-10	0
2	BOURNE MANOR EXTENDED CARE FACILITY	Barnstable	142	11-30	1-4
3	CAPE HERITAGE REHABILITATION & HEALTH CARE CENTER	Barnstable	123	1-10	0
4	CAPE REGENCY REHABILITATION & HEALTH CARE CENTER	Barnstable	120	>30	17
5	CAPE WINDS REST HOME OF HYANNIS	Barnstable	37	11-30	0
6	CAPE WINDS REST HOME OF SANDWICH	Barnstable	20	0	0
7	JML CARE CENTER INC	Barnstable	132	11-30	5
8	LIBERTY COMMONS	Barnstable	132	11-30	1-4
9	MAYFLOWER PLACE NURSING & REHABILITATION CENTER	Barnstable	72	11-30	1-4
10	PAVILION THE	Barnstable	82	>30	1-4
11	PLEASANT BAY OF BREWSTER REHAB CENTER	Barnstable	135	>30	19
12	ROSEWOOD MANOR REST HOME	Barnstable	33	1-10	0
13	ROYAL CAPE COD NURSING & REHABILITATION CENTER	Barnstable	99	>30	20
14	ROYAL MEGANSETT NURSING & REHABILITATION	Barnstable	90	11-30	0
15	ROYAL NURSING CENTER LLC	Barnstable	121	>30	22
16	ROYAL OF COTUIT	Barnstable	120	11-30	1-4
17	SOUTH DENNIS HEALTHCARE	Barnstable	128	>30	11
18	TERRACES ORLEANS (THE)	Barnstable	50	1-10	0
19	WINDSOR NURSING & RETIREMENT HOME	Barnstable	120	>30	1-4
20	WINGATE AT HARWICH	Barnstable	135	>30	21
Totals, Barnstable County			1,932		139
					(Estimated)
LTC Facility Percentage of Total COVID Fatalities in Barnstable County, 3/1/20 to 1/5/21					54%

Source: MA DPH COVID Weekly Report, 1/7/21.

*Staff and residents; **Cumulative COVID-19 deaths –includes residents only. ***Facility is closed. Data will continue to be included for completeness but will not change except for the result of data cleaning.

PLEASE NOTE: This list includes nursing homes, rest homes, and skilled nursing facilities; reported COVID-19 cases to date represent both staff and residents. The number of cases for a facility relies on the amount of testing conducted; facilities not included on this list may have COVID-19 cases that have not yet been identified. As of May 25th 344 nursing homes reported that at least 90% of staff and 90% of residents had been tested.

ALSO: Data on deaths is self-reported by each facility. In accordance with long-term care regulations, nursing homes and rest homes must report deaths due to any cause in any resident, either confirmed COVID-19 positive, or suspected to have COVID-19, even if the individual was never tested. When the number of deaths is between 1-4 residents, the number is suppressed and reported as 1- 4, to protect possible resident identification. The Department of Public Health performs routine data quality reviews of the data it receives. This includes removing duplicate results and updating counts if needed. Also, occasional negative tests from nursing home residents result after being reported first as presumptive and are removed. As a result of this, the total of self-reported deaths may decrease to ensure accuracy.

Data Sources: MAVEN for confirmed cases; Individual facilities reported resident deaths to DPH Bureau of Health Care Safety and Quality’s Health Care Facility Reporting System.



Massachusetts Department of Public Health COVID-19 Dashboard – Wednesday, January 13, 2021

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Unknown ³	1290	256	*	*	209782	16941	259	*	*
State	427752	76054	78.0	Higher	11944985	1069689	85470	7.99%	Higher

Data are current as of 11:59pm on 01/12/2021; ¹Number of new cases occurring over the current two-week period (12/27/2020 – 01/09/2021) compared to the previous two-week period (12/20/2020 – 01/02/2021). **Higher**=number of new cases in the current two-week period higher than the number of new cases during the last two-week period. **Lower**=number of new cases in the current two-week period lower than number of new cases during the last two-week period. **No change**=number of new cases in current two-week period is equal to the number of new cases during the last two-week period. ²Change in percent positivity compared to the previous week's (1/06/2021) report. **No Change**= <0.10% difference in the percent positivity. ³Address information for these cases is currently being obtained. DPH calculates rates per 100,000 population using denominators estimated by the University of Massachusetts Donahue Institute using a modified Hamilton-Perry model (Strate S, et al. Small Area Population Estimates for 2011 through 2020, report, Oct 2016.) **Please note:** Data for these tables are based on information available in the DPH surveillance database at a single point in time. Case counts for specific cities and towns change throughout the day as data cleaning occurs (removal of duplicate reports within the system) and new demographic information (assigning cases to their city or town of residence) is obtained.

Vaira Harik, Barnstable County Dept of Human Services
COVID Daily Update Chart Package, 1/20/21

MA DPH Data Dashboard, WEEKLY REPORT of 1/14/21 (for the Period 12/27/20 to 1/9/21)										
City/Town	Population	(March 2020 to Present) Total Case Count	Case Count Last 14 Days	Average Daily Incidence Rate per 100K	Relative Change in Case Count	Total Tests	Total Tests Last 14 Days	Positive Tests Last 14 Days	Percent Positivity Last 14 Days	Change in Percent Positivity
Barnstable	44,773	2,128	404	64.5	Higher	44,162	4,840	426	8.80%	Higher
Bourne	21,026	707	154	52.3	Higher	24,128	2,645	163	6.16%	No Change
Brewster	9,926	234	39	28.1	Higher	10,395	1,470	45	3.06%	Higher
Chatham	5,830	138	38	46.6	Higher	5,746	599	49	8.18%	Higher
Dennis	13,088	388	84	45.8	Lower	11,371	1,363	98	7.19%	Lower
Eastham	4,603	54	6	9.3	No Change	3,094	259	6	2.32%	Lower
Falmouth	31,190	830	130	29.8	Higher	38,657	3,332	148	4.44%	No Change
Harwich	12,589	410	89	50.5	Higher	11,821	1,506	103	6.84%	Higher
Mashpee	15,535	404	116	53.3	Higher	15,408	1,609	127	7.89%	Higher
Orleans	5,620	88	28	35.6	Higher	4,125	441	31	7.03%	Higher
Provincetown	2,583	51	9	24.9	Higher	3,342	242	10	4.13%	Higher
Sandwich	21,078	559	184	62.4	Higher	18,140	2,191	193	8.81%	Higher
Truro	1,968	19	1	3.6	Higher	1,464	110	1	0.91%	Higher
Wellfleet	2,760	33	6	15.5	Higher	2,025	150	6	4.00%	Higher
Yarmouth	24,062	772	140	41.6	Lower	23,531	2,862	162	5.66%	Lower
Barnstable County	216,629	6,815	1,428	47.1	Higher	217,409	23,619	1,568	6.64%	Higher
Aquinnah	261	4	1	27.4	Higher	428	18	1	5.56%	Higher
Chilmark	759	11	2	37.7	Higher	2,801	202	4	1.98%	Higher
Edgartown	4,086	192	51	89.2	Higher	8,597	701	53	7.56%	Higher
Gosnold	45	5	0	0	No Change	116	3	0	0%	No Change
Oak Bluffs	5,209	149	32	43.9	Higher	5,756	494	33	6.68%	Higher
Tisbury	4,174	192	47	80.4	Higher	10,784	842	51	6.06%	Higher
West Tisbury	2,871	71	17	42.3	Higher	3,836	313	18	5.75%	Higher
Dukes County	17,404	629	151	62.4	Higher	32,318	2,573	160	6.22%	Higher
Nantucket	11,416	952	225	140.8	Higher	17,459	1,938	226	11.66%	Higher
Dukes and Nantucket Counties	28,820	1,576	377	93.4	Higher	49,777	4,511	386	8.56%	Higher
State	6,964,383	427,752	76,054	78.0	Higher	11,944,985	1,069,689	85,470	7.99%	Higher

Data Source: MA DPH, 1/14/21 Weekly COVID Report (<https://www.mass.gov/info-details/covid-19-response-reporting>); Analysis: V. Harik BCDHS.

Massachusetts COVID Testing Rates, As Applied to Barnstable County (Thru 1/9/21)

Sources: Census.gov; MA DPH Weekly COVID Report, 1/14/21. Analysis: V. Harik, BCDHS

	MA	Barnstable County
Population Estimate (via DPH)	6,964,383	216,629
	Barnstable County % of MA Pop.	3.11%
	Barn. County % of Total MA Tests	1.82%
	Barn. County % of MA Tests, Past Two Weeks	2.21%
	Barn. County % of MA <u>Total</u> Confirmed Cases	1.59%
	Barn. County % of MA Confirmed Cases, Past Two Weeks	1.88%
	MA % Positive Tests Last 14 Days	7.99%
	Barnstable County % Positive Tests Last 14 Days	6.64%

Vaira Harik, Barnstable County Dept of Human Services
COVID Daily Update Chart Package, 1/20/21

Active COVID Clusters by Exposure Setting Type for the Period 12/13/20 to 1/9/21 (as of 1/14/21)

Source: <https://www.mass.gov/info-details/covid-19-response-reporting>. Tabulation: V. Harik, Barnstable County DHS

Sorted by Number of Cases in New Cluster Settings

	Exposure Setting	New Clusters (Identified 12/13 – 1/9)			Ongoing Clusters (Cluster Identified Prior to 12/13 But Not Meeting Criteria for Closing)			Total		
		Clusters	Confirmed Cases	Close Contacts	Clusters	Confirmed Cases	Contact s	Clusters	Confirmed Cases	Close Contacts
1	Household	21,558	55,102	---	22,147	7,905	---	43,705	63,007	---
2	Long Term Care Facilities	97	907	---	236	3,045	---	333	3,952	---
3	Child Care	111	344	390	249	194	485	360	538	875
4	Senior Living	42	319	83	115	664	67	157	983	150
5	24/7 Congregate Settings	51	232	52	76	133	37	127	365	89
6	Social Gatherings	33	219	86	67	13	15	100	232	101
7	Hospitals	20	166	54	45	154	134	65	320	188
8	Organized Athletics/Camps	26	110	231	20	28	52	46	138	283
9	Corrections	5	82	.	17	1,289	82	22	1,371	82
10	Retail & Services	19	76	28	34	47	15	53	123	43
11	Restaurants & Food Courts	13	58	34	49	90	30	62	148	64
12	Shelters	2	53	41	4	3	.	6	56	41
13	Industrial Settings	13	49	29	55	138	89	68	187	118
14	Other Healthcare	13	47	17	36	63	19	49	110	36
15	Colleges & Universities	6	45	7	12	3	6	18	48	13
16	Other Workplaces	14	45	5	43	56	37	57	101	42
17	Recreation/Cultural	1	32	3	9	21	9	10	53	12
18	Places of Worship	6	29	2	12	66	90	18	95	92
19	Other	3	27	8	3	.	.	6	27	8
20	Offices	8	22	15	7	7	1	15	29	16
21	K-12 Schools	6	16	25	58	64	137	64	80	162
22	Other Food Establishments	2	11	.	16	28	26	18	39	26
23	Travel & Lodging	1	2	.	1	3	.	2	5	.
	TOTAL	22,050	57,993	1,110	23,311	14,014	1,331	45,361	72,007	2,441

New Clusters: Clusters with the first case (indicated by the first positive lab result) identified during the four week period 12/13/20 – 1/9/21

Ongoing Clusters: Clusters with the first case identified prior to 12/13/20 that has not met criteria to be closed.

Confirmed Cases included in ongoing clusters occurred between 12/13/20 and 1/9/21 but are associated with a cluster that began prior to 12/13/20.

Close Contacts included in ongoing clusters occurred between 12/13/20 and 1/9/21 but are associated with a cluster that began prior to 12/13/20.

Closed Clusters: A cluster is closed after 28 days have passed since the last confirmed case; 24,710 clusters are closed, 159,501 cases are associated with closed clusters

Updated 1/13/21

When can I get a COVID-19 vaccine in MA?

PHASE ONE
In order of priority

- Clinical and non-clinical healthcare workers doing direct and COVID-facing care
- Long term care facilities, rest homes and assisted living facilities
- First responders (EMS, Fire, Police)
- Congregate care settings (including corrections and shelters)
- Home-based healthcare workers
- Healthcare workers doing non-COVID-facing care

PHASE TWO
In order of priority

- Individuals with 2+ comorbidities (high risk for COVID-19 complications), individuals age 75+, and residents and staff of public and private low income and affordable senior housing
- Early education and K-12 workers, transit, grocery, utility, food and agriculture, sanitation, public works and public health workers
- Adults 65+
- Individuals with one comorbidity

PHASE THREE
Vaccine available to general public

December - February
Estimated timeframes

February - April

April - June

For more information on vaccine distribution visit [Mass.gov/COVIDvaccine](https://www.mass.gov/COVIDvaccine)