

Vaira Harik, Barnstable County Dept of Human Services  
**COVID Daily Update Chart Package, 1/28/21**

(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 since December 6th due to lack of access to the data. 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.**

**SUMMARY:**

**1. New Cases:** DPH new cases reported yesterday:

**Barnstable County:** 71 new cases.

**Martha's Vineyard:** 9 new cases.

**Nantucket:** 13 new cases.

**2. Hospitalizations and Fatalities:** 3-day avg.hospitalizations have fallen to the upper 40's/low 50's, yet relatively high patient counts in the ICUs (18 patients) remain. Fatalities remain elevated but are in-line with rates seen during Wave 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. **Many school districts returned to a hybrid learning model last week.**

**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** began on Jan 18.

-All remaining groups in Phase 1 are now eligible to be vaccinated (including **home health workers, non-COVID facing health workers**).

-The DPH has adjusted its list of persons prioritized for vaccination at the beginning of Phase 2. **Group 1 now only includes persons aged 75+.** **Group 2 now consists of persons aged 65+, or with 2+ co-morbidities, or residents and staff of low income and affordable senior housing.**

-Planning for 4-5 sub-regional mass vaccination sites on Cape Cod, to begin operation during Phase 2, is underway. The DPH is in discussions with the County Health Dept. to open is DPH-operated mass vaccination site on Cape Cod during Phase 2 of the vaccination plan.

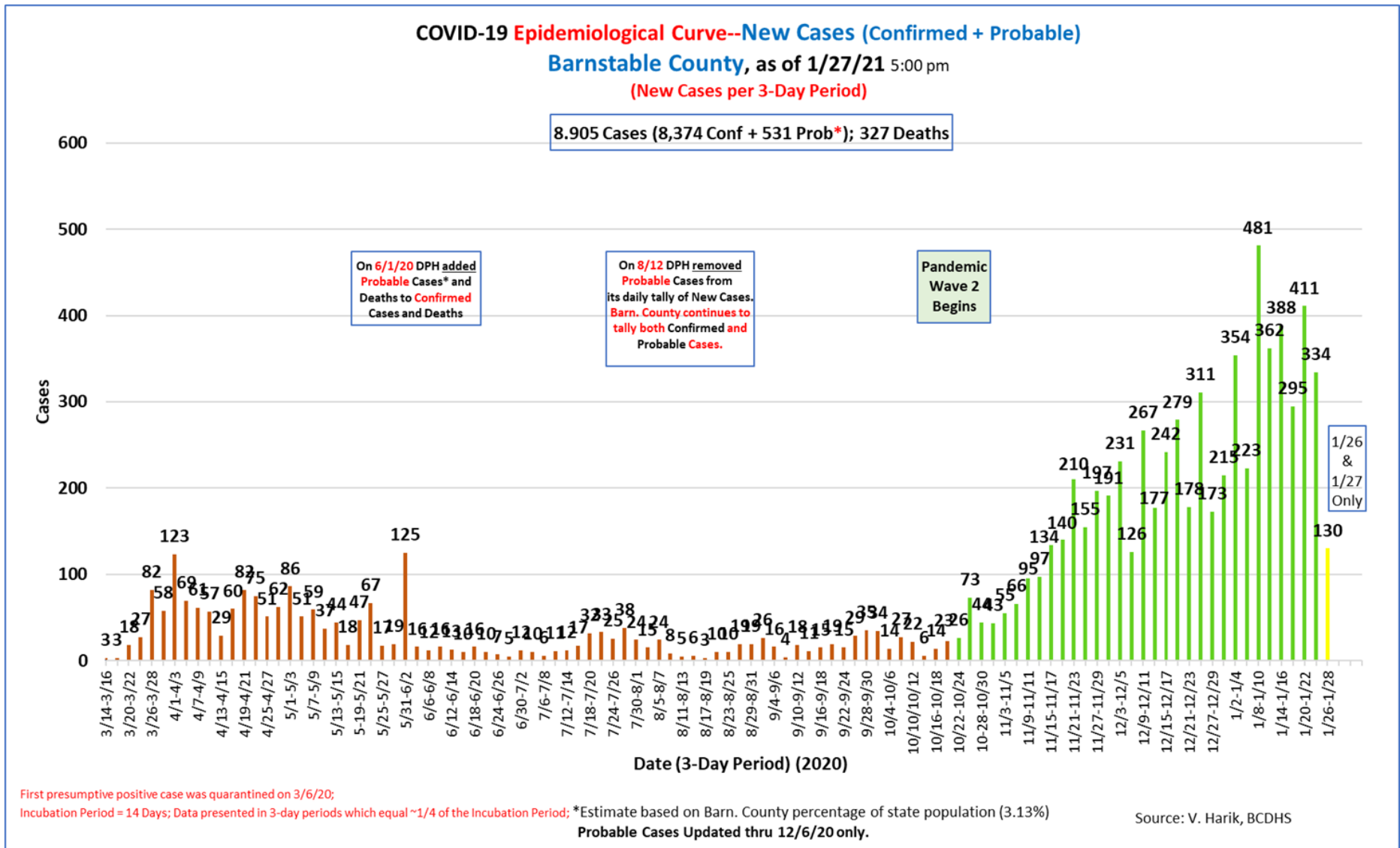
-Phase 2 of the State Vaccination Plan will begin on February 1. Vaccination at local clinics during Phase 2 will be by appointment only and **appointments will be able to be scheduled once County and local health authorities can be sure of vaccine availability from the DPH.** The public will be given ample notice of planned vaccination clinics for eligible persons in Phase 2. As noted, Phase 2 Group 1 only includes persons age 75+.

**7. COVID Mutation and Changes in Transmissibility/Virulence/Other: There are three variants of concern: B117 (UK), B1351 (S. Africa), and P1 (Brazil).** All three appear to be equally virulent but at least 50% more transmissible. Within two months of the B117 variant being identified in the UK (October) it became 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>. Existing vaccines **may be less effective against these new strains.** The degree to which this may be so is being investigated. Moderna is working on a booster shot to counter these new strains.

#### DETAIL:

##### 1. New Cases

Daily new case numbers in Barnstable County remain high but in a slight downward trend following the post-Christmas/New Year's surge. **71** cases were reported yesterday.



**Nantucket's 7-day average cases per 100,000 population continues to trend lower. 13 cases were reported yesterday.**  
**Martha's Vineyard's 7-day average cases per 100,000 population also continues to trend lower. 9 cases were reported yesterday.**  
**Trailing 14-Day Testing and Cases by County:**



Massachusetts Department of Public Health COVID-19 Dashboard – Wednesday, January 20, 2021

**Count and Rate of Confirmed COVID-19 Cases and Tests Performed in MA by County, January 1, 2020 – January 19, 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 <sup>1</sup>	Total Tests	Total Tests (Last 14 days)	Total Positive Tests (Last 14 days)	Percent Positivity (Last 14 days)	Change in Percent Positivity <sup>2</sup>
Barnstable County	7591	1576	52.0	Higher	229821	25292	1725	6.82%	Higher
Berkshire County	4123	922	52.1	Higher	211619	22012	988	4.49%	Lower
Bristol County	45852	8073	100.9	Lower	772546	81993	9134	11.14%	Lower
Dukes and Nantucket Counties	1688	339	84.0	Lower	51900	4706	349	7.42%	Lower
Essex County	72394	10702	95.9	Lower	1322274	140576	12730	9.06%	Lower
Franklin County	1637	275	27.6	Higher	108883	10898	302	2.77%	Lower
Hampden County	33910	5647	85.7	Lower	647516	71512	6718	9.39%	Lower
Hampshire County	5139	975	42.5	Lower	390441	26355	1104	4.19%	Lower
Middlesex County	94636	14139	62.1	Lower	3175090	307372	15996	5.20%	Lower
Norfolk County	36134	6584	65.7	Higher	1115819	118128	7257	6.14%	Lower
Plymouth County	32629	6171	83.5	Higher	632245	74111	6785	9.16%	Lower
Suffolk County	66478	9095	80.2	Lower	2351752	198803	10554	5.31%	Lower
Worcester County	54513	8881	75.6	Lower	1309626	121261	9715	8.01%	Lower
Unknown <sup>3</sup>	1365	222	*	*	217180	18016	226	*	*
<b>State</b>	<b>458089</b>	<b>73601</b>	<b>75.5</b>	<b>Lower</b>	<b>12536712</b>	<b>1221035</b>	<b>83583</b>	<b>6.85%</b>	<b>Lower</b>

Data are current as of 11:59pm on 01/19/2021; <sup>1</sup>Number of new cases occurring over the current two-week period (1/3/2021 – 01/16/2021) compared to the previous two-week period (12/27/2020 – 01/09/2021). **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. <sup>2</sup>Change in percent positivity compared to the previous week's (1/13/2021) report. **No Change**= <0.10% difference in the percent positivity. <sup>3</sup>Address 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.

**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 evening CCHC reported that there were **47 COVID patients in hospital**, **16** of which were in the **ICU**.

**Fatalities:** 4 additional fatalities were reported yesterday. The total is now **327**.

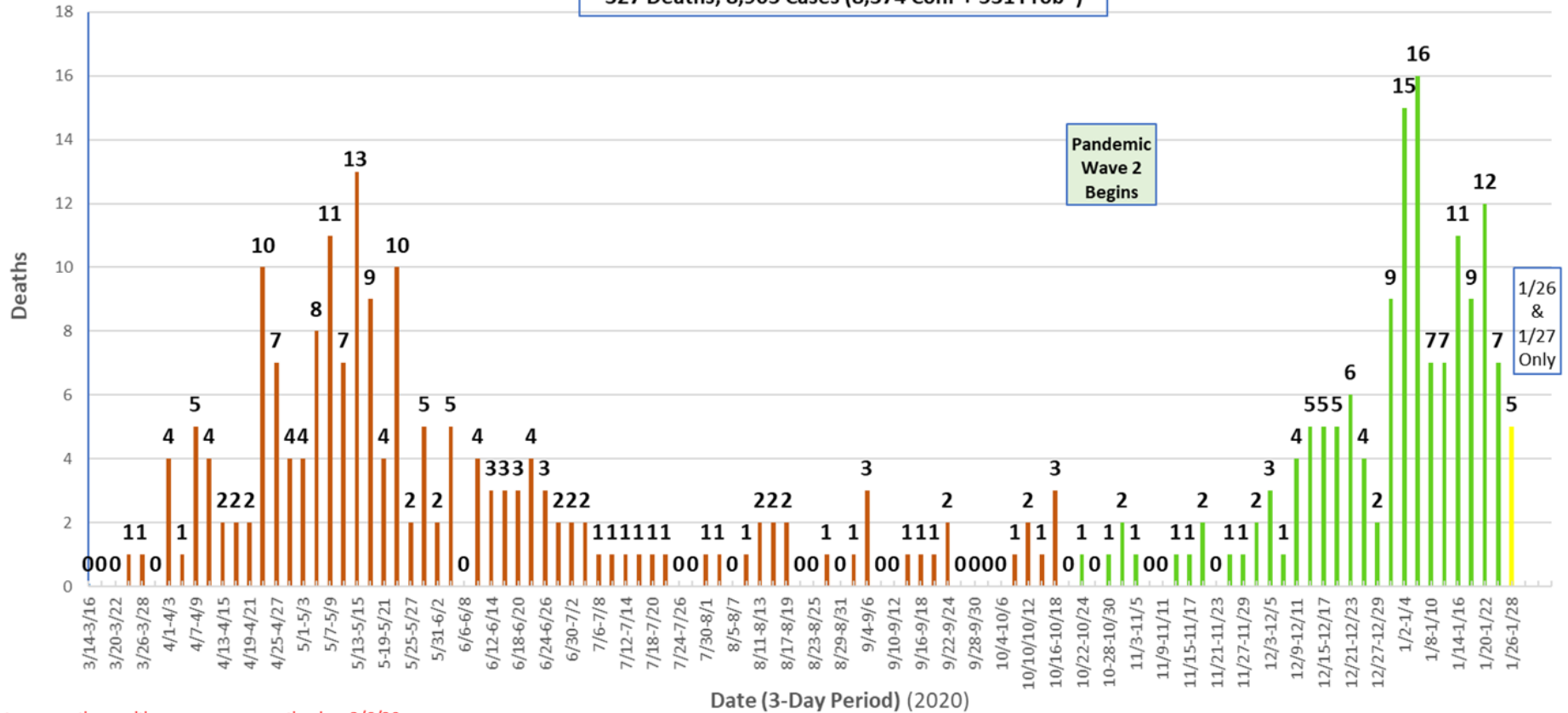
<b>Hospitalizations, Last Report:</b>		<b>Not Cumulative</b>		<b>Cumulative</b>		3-Day Avg. of Persons in Hosp. (Med/Surg + ICU)	ICU Percent of Beds Occupied
		Hospital Beds Occupied (Last Report)	ICU Beds Occupied (Last Report)	Barnstable County Cases (Confirmed)	Barnstable County Deaths		
<b>1/27/2021</b>	Cape Cod Hospital	22	11				
	Falmouth Hospital	9	5				
		<b>31</b>	<b>16</b>	<b>8,374</b>	<b>327</b>	<b>48.0</b>	<b>34%</b>

**COVID-19 Epidemiological Curve--New Deaths (Confirmed + Probable)**

**Barnstable County, as of 1/27/21 5:00 pm**

**(New Deaths per 3-Day Period)**

**327 Deaths; 8,905 Cases (8,374 Conf + 531 Prob\*)**



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

\* Probable Cases Updated thru 12/6/20 only.

Source: V. Harik, BCDHS; Using data provided by the MA Department of Public Health

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. Most school districts on the Cape and Islands returned to a hybrid learning status last week following the Christmas and New Year's holiday break.

DESE and the DPH (memo of 1/8/21) announced 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.

~~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.~~ This mandate has been canceled by the DPH.

During Phase 2 of the 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 is 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 (1/21/2021) and cover the period 12/20/20 to 1/16/21. 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](#).

<b>Active COVID Clusters by Exposure Setting Type for the Period 12/20/20 to 1/16/21 (as of 1/19/21)</b>										
Source: <a href="https://www.mass.gov/info-details/covid-19-response-reporting">https://www.mass.gov/info-details/covid-19-response-reporting</a> . Tabulation: V. Harik, Barnstable County DHS										
Sorted by Number of Cases in New Cluster Settings										
	Exposure Setting	New Clusters (Identified 12/20/20 – 1/18/21)			Ongoing Clusters (Cluster Identified Prior to 12/20 but not Meeting Criteria for Closing)			Total		
		Clusters	Confirmed Cases	Close Contacts	Clusters	Confirmed Cases	Close Contacts	Clusters	Confirmed Cases	Close Contacts
1	<b>Household</b>	22,371	<b>57,513</b>	---	25,142	8,107	---	47,513	<b>65,620</b>	---
2	<b>Long Term Care Facilities</b>	91	<b>984</b>	---	249	2,992	---	340	<b>3,976</b>	---
3	<b>Child Care</b>	131	<b>395</b>	571	260	176	295	391	<b>571</b>	866
4	<b>24/7 Congregate Settings</b>	55	<b>300</b>	47	82	93	36	137	<b>393</b>	83
5	<b>Senior Living</b>	36	<b>287</b>	92	125	657	69	161	<b>944</b>	161
6	<b>Social Gatherings</b>	37	<b>267</b>	90	65	14	15	102	<b>281</b>	105
7	<b>Hospitals</b>	22	<b>138</b>	59	47	182	104	69	<b>320</b>	163
8	<b>Organized Athletics/Camps</b>	26	<b>88</b>	210	27	24	45	53	<b>112</b>	255
9	<b>Retail &amp; Services</b>	19	<b>83</b>	44	45	52	12	64	<b>135</b>	56
10	<b>Industrial Settings</b>	13	<b>68</b>	12	59	99	75	72	<b>167</b>	87



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 (1/21/20) and they cover the period 1/3/21 to 1/16/21.

**10 of 15 towns on Cape Cod are coded Red**, indicating that high risk of community spread remains across the Cape.

## **6. Vaccination**

All groups in Phase 1 are now eligible to be vaccinated and can be scheduled for vaccination.

On February 1 persons in Phase 2/Group 1 (age 75+) will be eligible to be vaccinated at locations which have the vaccine available. Appointments may be scheduled for this group starting 1/27, however appointments may not be immediately available due to overwhelming demand and still-limited supply of vaccine from the manufacturers.

**Childcare staff** will be eligible for vaccination alongside school staff in Phase 2.

The State has contracted with **CVS and Walgreens** to arrange vaccination of **older adults in SNFs/congregate care**. **CVS, Walgreens, and Stop & Shop pharmacies** will also schedule vaccinations for the groups in Phase 2, again depending upon vaccine supply.

- Vaccinations in **LTCs** began on 12/28 on Cape Cod.
- Vaccinations of **Police/Fire/EMS** will began on 1/11.
- Vaccination of staff and **residents in shelters**, other state-funded **congregate living settings**, and **correctional facilities** began on 1/18.
- Vaccination of **home healthcare providers**, other **non-COVID facing clinical providers**, **and all remaining providers in Phase 1 began this week**.
- **Vaccination of Phase 2 Group 1 (Age 75+) will begin February 1**. The DPH has adjusted its list of persons prioritized for vaccination at the beginning of Phase 2, **adjusting Group 1 to only include persons aged 75+**, and moving persons aged 65+ with 2+ co-morbidities and residents and staff of low income and affordable senior housing to Phase 2/Group 2.

The Barnstable County Dept of Health and Environment has organized vaccination clinics for all Phase 1 groups in the Middle, Lower, and Outer Cape. The Sandwich Health Department, in partnership with other town Health Departments, is vaccinating all Phase 1 groups in the Upper Cape area. **Planning for regional mass vaccination sites, to begin operation during Phase 2, is underway.**

## 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 (October) it became dominant strain circulating there. B117 is spreading globally and has been detected in the US. Additional variants of concern have emerged internationally: B1351 (South Africa) and Brazil (P1) which are also highly transmissible. Existing vaccine recipes may be less effective against these three new strains.

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 existing vaccines may be less effective against the new strains and booster shots, addressing the new strains, may be necessary for persons already vaccinated.

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](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 attached CHART PACKAGE for additional information.

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Vaira Harik, M.S.

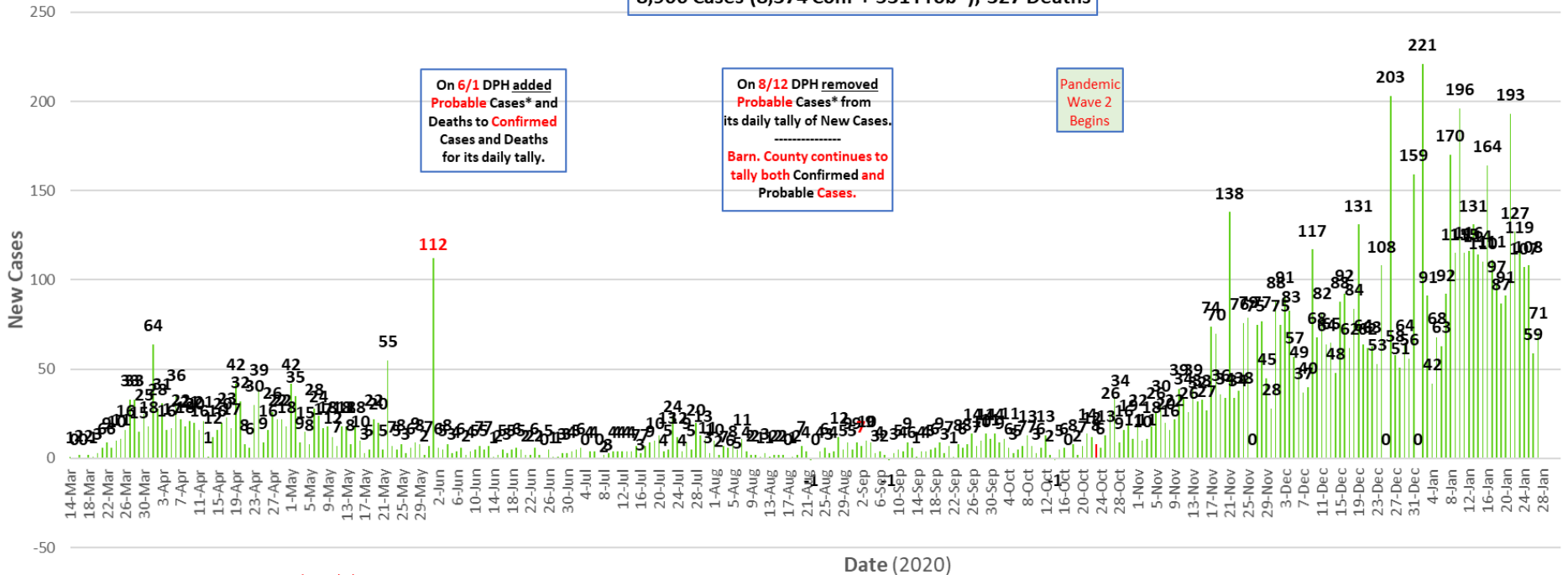
Deputy Director

Barnstable County Dept. of Human Services

Email: [vharik@barnstablecounty.org](mailto:vharik@barnstablecounty.org)

**COVID-19 New Cases--Daily (Confirmed + Probable)**  
**Barnstable County, as of 1/27/21 5:00 pm**

**8,906 Cases (8,374 Conf + 531 Prob\*); 327 Deaths**



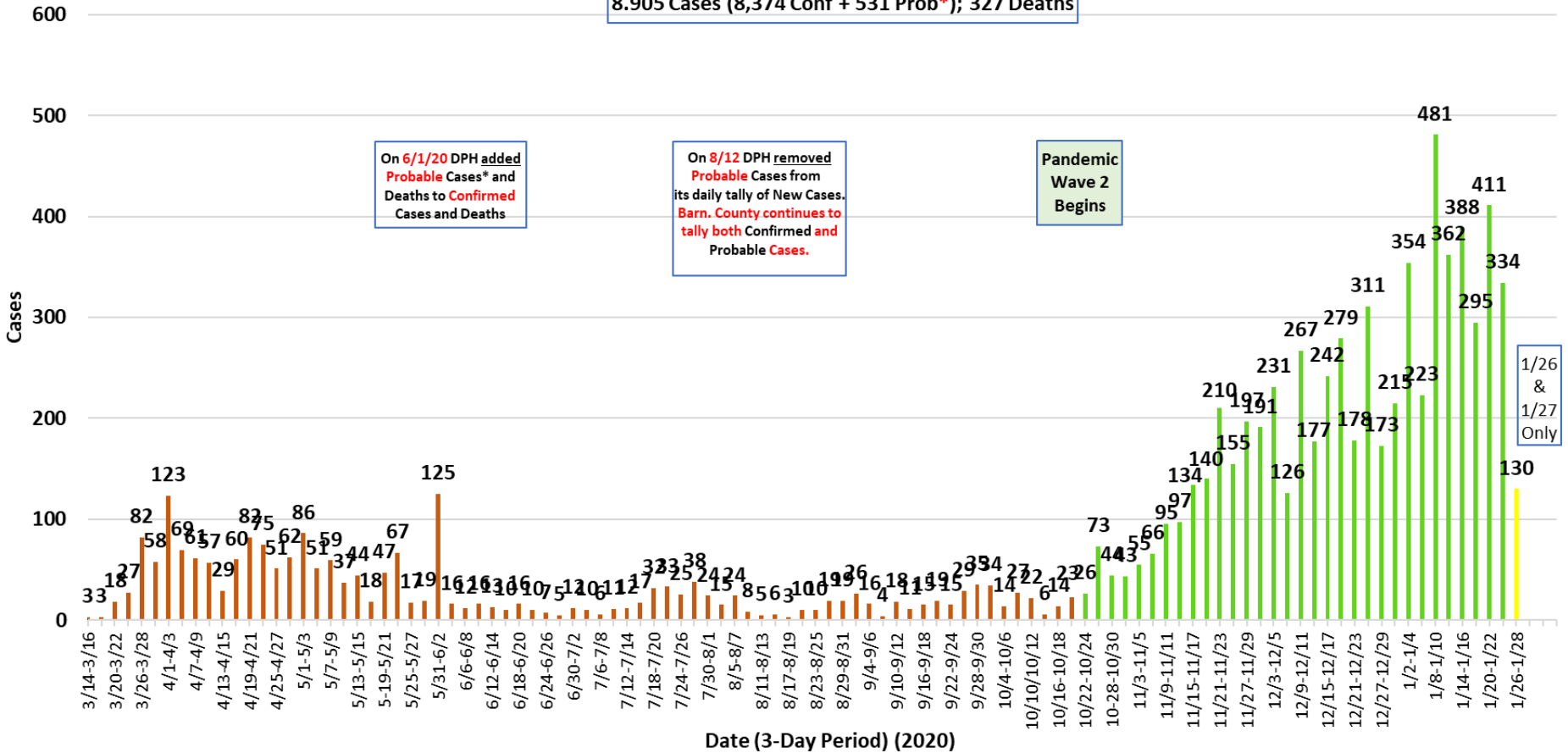
First presumptive positive case was quarantined on 3/6/20;

\* Estimate based on Barn. County percentage of state population (3.13%); Probable Cases Updated thru 12/6/20 only.

Source: V. Harik, BCDHS

**COVID-19 Epidemiological Curve--New Cases (Confirmed + Probable)**  
**Barnstable County, as of 1/27/21 5:00 pm**  
 (New Cases per 3-Day Period)

**8,905 Cases (8,374 Conf + 531 Prob\*); 327 Deaths**



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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%)

Probable Cases Updated thru 12/6/20 only.

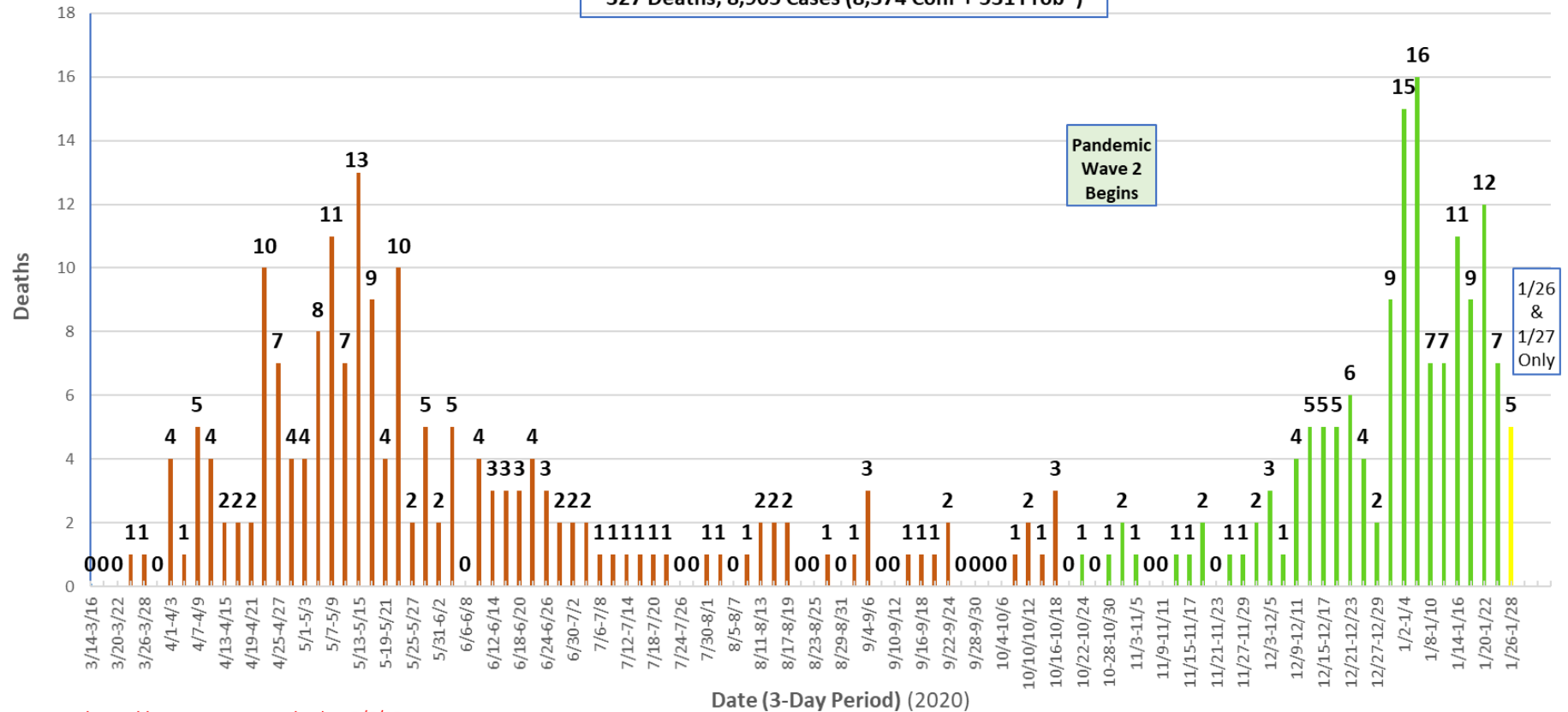
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**Barnstable County, as of 1/27/21 5:00 pm**

**(New Deaths per 3-Day Period)**

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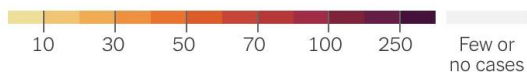
Source: V. Harik, BCDHS; Using data provided by the MA Department of Public Health

**Source: NYTimes.com:**

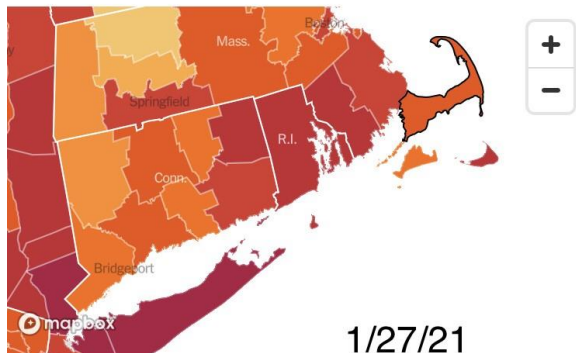
**BARNSTABLE 1/27/21**

<b>Hot spots</b>	Total cases	Deaths	Per capita
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Average daily cases per 100,000 people in past week



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



1/27/21

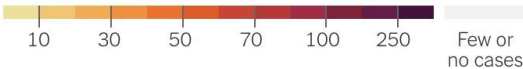
Sources: State and local health agencies. Population and demographic data from Census Bureau.

► About this data

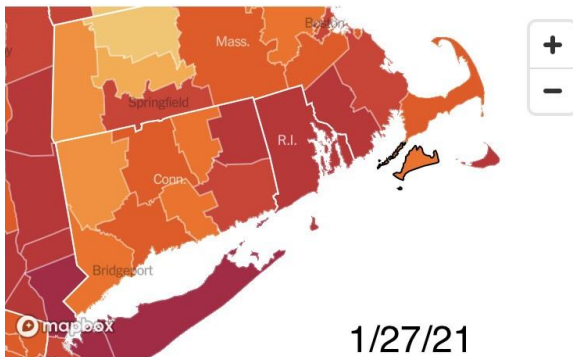
**DUKES, 1/27/21**

<b>Hot spots</b>	Total cases	Deaths	Per capita
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Average daily cases per 100,000 people in past week



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



1/27/21

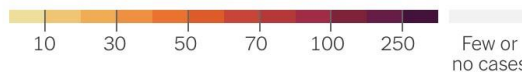
Sources: State and local health agencies. Population and demographic data from Census Bureau.

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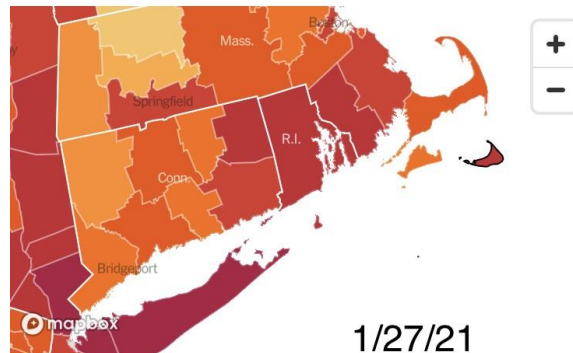
**NANTUCKET, 1/27/21**

<b>Hot spots</b>	Total cases	Deaths	Per capita
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Average daily cases per 100,000 people in past week



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



1/27/21

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

► About this data

<b>Barnstable County, Mass.</b>		<b>Dukes County, Mass.</b>		<b>Nantucket County, Mass.</b>	
AVG. DAILY CASES	PER 100,000	AVG. DAILY CASES	PER 100,000	AVG. DAILY CASES	PER 100,000
115	<b>54</b>	8.3	<b>48</b>	8.4	<b>74</b>

14-DAY TREND	

Vaira Harik, Barnstable County Dept of Human Services  
**COVID Daily Update Chart Package, 1/28/21**

<b>Barnstable County COVID-Related Hospital &amp; ICU Beds Occupied, with Cases &amp; Deaths</b>							
Source: V. Harik, Barn. County Dept of Human Services; Tabulation of MA DPH Data							
Date Reported by DPH	Hospital	Not Cumulative		Cumulative		3-Day Avg. of Persons in Hosp. (Med/Surg + ICU)	ICU Percent of Beds Occupied
		Hospital Beds Occupied	ICU Beds Occupied	Barnstable County Cases	Barnstable County Deaths		
<b>4/22/2020</b>	Cape Cod Hospital	11	5				
	Falmouth Hospital	13	7				
<b>(Wave 1 Peak)</b>		<b>24</b>	<b>12</b>	<b>678</b>	<b>27</b>	<b>41.0</b>	<b>33%</b>
<b>4/28/2020</b>	Cape Cod Hospital	18	5				
	Falmouth Hospital	11	14				
		<b>29</b>	<b>19</b>	<b>820</b>	<b>39</b>	<b>27.7</b>	<b>40%</b>
<b>12/22/2020</b>	Cape Cod Hospital	22	2				
	Falmouth Hospital	8	1				
		<b>30</b>	<b>3</b>	<b>4,644</b>	<b>221</b>	36.0	9%
<b>12/29/2020</b>	Cape Cod Hospital	41	5				
	Falmouth Hospital	11	2				
		<b>52</b>	<b>7</b>	<b>5,181</b>	<b>229</b>	58.3	12%
<b>1/5/2021</b>	Cape Cod Hospital	23	7				
	Falmouth Hospital	19	3				
		<b>42</b>	<b>10</b>	<b>5,818</b>	<b>256</b>	51.0	19%
<b>1/12/2021</b>	Cape Cod Hospital	26	14				
	Falmouth Hospital	9	4				
		<b>35</b>	<b>18</b>	<b>6,685</b>	<b>277</b>	49.0	34%
<b>1/19/2021</b>	Cape Cod Hospital	28	13				
	Falmouth Hospital	10	5				
		<b>38</b>	<b>18</b>	<b>7,499</b>	<b>303</b>	61.0	32%
<b>1/26/2021</b>	Cape Cod Hospital	22	13				
	Falmouth Hospital	10	5				
		<b>32</b>	<b>18</b>	<b>8,303</b>	<b>323</b>	46.7	36%
<b>Hospitalizations, Last Report:</b>		<b>Not Cumulative</b>		<b>Cumulative</b>			
		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
<b>1/27/2021</b>	Cape Cod Hospital	22	11				
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Vaira Harik, Barnstable County Dept of Human Services  
**COVID Daily Update Chart Package, 1/28/21**

<b>Barnstable County COVID Cases and Facility-Reported Deaths in Long Term Care Facilities (thru 1/5/21)</b>					
#	Facility	County	Licensed Beds	Cases* (Staff & Residents)	Deaths** (Residents Only)
1	ADVINTIA 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
<b>Totals, Barnstable County</b>			<b>1,932</b>		<b>139</b>
					(Estimated)
<b>LTC Facility Percentage of Total COVID Fatalities in Barnstable County, 3/1/20 to 1/5/21</b>					<b>54%</b>

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 20, 2021**

**Count and Rate of Confirmed COVID-19 Cases and Tests Performed in MA by County, January 1, 2020 – January 19, 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 <sup>1</sup>	Total Tests	Total Tests (Last 14 days)	Total Positive Tests (Last 14 days)	Percent Positivity (Last 14 days)	Change in Percent Positivity <sup>2</sup>
Barnstable County	7591	1576	52.0	Higher	229821	25292	1725	6.82%	Higher
Berkshire County	4123	922	52.1	Higher	211619	22012	988	4.49%	Lower
Bristol County	45852	8073	100.9	Lower	772546	81993	9134	11.14%	Lower
Dukes and Nantucket Counties	1688	339	84.0	Lower	51900	4706	349	7.42%	Lower
Essex County	72394	10702	95.9	Lower	1322274	140576	12730	9.06%	Lower
Franklin County	1637	275	27.6	Higher	108883	10898	302	2.77%	Lower
Hampden County	33910	5647	85.7	Lower	647516	71512	6718	9.39%	Lower
Hampshire County	5139	975	42.5	Lower	390441	26355	1104	4.19%	Lower
Middlesex County	94636	14139	62.1	Lower	3175090	307372	15996	5.20%	Lower
Norfolk County	36134	6584	65.7	Higher	1115819	118128	7257	6.14%	Lower
Plymouth County	32629	6171	83.5	Higher	632245	74111	6785	9.16%	Lower
Suffolk County	66478	9095	80.2	Lower	2351752	198803	10554	5.31%	Lower
Worcester County	54513	8881	75.6	Lower	1309626	121261	9715	8.01%	Lower
Unknown <sup>3</sup>	1365	222	*	*	217180	18016	226	*	*
<b>State</b>	<b>458089</b>	<b>73601</b>	<b>75.5</b>	<b>Lower</b>	<b>12536712</b>	<b>1221035</b>	<b>83583</b>	<b>6.85%</b>	<b>Lower</b>

Data are current as of 11:59pm on 01/19/2021; <sup>1</sup>Number of new cases occurring over the current two-week period (1/3/2021 – 01/16/2021) compared to the previous two-week period (12/27/2020 – 01/09/2021). **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. <sup>2</sup>Change in percent positivity compared to the previous week's (1/13/2021) report. **No Change**= <0.10% difference in the percent positivity. <sup>3</sup>Address 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, 1/28/21**

<b>MA DPH Data Dashboard, WEEKLY REPORT of 1/21/21 (for the Period 1/3/20 to 1/16/21)</b>										
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	2,320	407	64.9	Higher	46,698	5,413	438	8.09%	Lower
Bourne	21,026	773	140	47.6	Lower	25,508	2,948	150	5.09%	Lower
Brewster	9,926	264	39	28.1	Lower	11,353	1,618	44	2.72%	Lower
Chatham	5,830	167	54	66.2	Higher	6,032	575	63	10.96%	Higher
Dennis	13,088	425	85	46.4	Higher	12,097	1,467	97	6.61%	Lower
Eastham	4,603	65	13	20.2	Higher	3,248	283	13	4.59%	Higher
Falmouth	31,190	942	190	43.5	Higher	40,502	3,600	209	5.81%	Higher
Harwich	12,589	447	95	53.9	Higher	12,441	1,436	108	7.52%	Higher
Mashpee	15,535	451	115	52.9	Lower	16,260	1,652	123	7.45%	Lower
Orleans	5,620	102	24	30.5	Lower	4,390	477	28	5.87%	Lower
Provincetown	2,583	55	8	22.1	Lower	3,437	258	9	3.49%	Lower
Sandwich	21,078	656	231	78.3	Higher	19,101	2,207	248	11.24%	Higher
Truro	1,968	22	<5	10.9	Higher	1,508	109	3	2.75%	Higher
Wellfleet	2,760	36	7	18.1	Higher	2,094	153	7	4.58%	Higher
Yarmouth	24,062	866	165	49.0	Higher	25,152	3,096	185	5.98%	Higher
<b>Barnstable County</b>	<b>216,629</b>	<b>7,591</b>	<b>1,573</b>	<b>47.1</b>	<b>Higher</b>	<b>229,821</b>	<b>25,292</b>	<b>1,725</b>	<b>6.82%</b>	<b>Higher</b>
Aquinnah	261	5	1	27.4	No Change	446	29	1	3.45%	Lower
Chilmark	759	12	1	18.8	Lower	2,911	223	2	0.90%	Lower
Edgartown	4,086	210	59	103.1	Higher	8,930	749	62	8.28%	Higher
Gosnold	45	5	0	0	No Change	118	3	0	0%	No Change
Oak Bluffs	5,209	167	34	46.6	Higher	6,004	538	36	6.69%	No Change
Tisbury	4,174	211	49	83.9	Higher	11,207	919	52	5.66%	Lower
West Tisbury	2,871	74	14	34.8	Lower	3,979	319	15	4.70%	Lower
<b>Dukes County</b>	<b>17,404</b>	<b>689</b>	<b>159</b>	<b>65.3</b>	<b>Higher</b>	<b>33,595</b>	<b>2,780</b>	<b>168</b>	<b>6.04%</b>	<b>Higher</b>
<b>Nantucket</b>	<b>11,416</b>	<b>1,005</b>	<b>180</b>	<b>112.6</b>	<b>Lower</b>	<b>18,305</b>	<b>1,926</b>	<b>181</b>	<b>9.40%</b>	<b>Lower</b>
<b>Dukes and Nantucket Counties</b>	<b>28,820</b>	<b>1,688</b>	<b>337</b>	<b>84.0</b>	<b>Lower</b>	<b>51,900</b>	<b>4,706</b>	<b>349</b>	<b>7.42%</b>	<b>Lower</b>
<b>State</b>	<b>6,964,383</b>	<b>458,089</b>	<b>73,601</b>	<b>75.5</b>	<b>Lower</b>	<b>12,536,712</b>	<b>1,221,035</b>	<b>83,583</b>	<b>6.85%</b>	<b>Lower</b>

Data Source: MA DPH, 1/21/21 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 1/16/21)**

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

	MA	Barnstable County
Population Estimate (via DPH)	6,964,383	216,629
	<b>Barnstable County % of MA Pop.</b>	<b>3.11%</b>
	Barn. County % of Total MA Tests	1.83%
	<b>Barn. County % of MA Tests, Past Two Weeks</b>	<b>2.07%</b>
	Barn. County % of MA <u>Total Confirmed</u> Cases	1.66%
	<b>Barn. County % of MA Confirmed Cases, Past Two Weeks</b>	<b>2.14%</b>
	MA % Positive Tests Last 14 Days	6.85%
	<b>Barnstable County % Positive Tests Last 14 Days</b>	<b>6.82%</b>

Vaira Harik, Barnstable County Dept of Human Services  
**COVID Daily Update Chart Package, 1/28/21**

**Active COVID Clusters by Exposure Setting Type for the Period 12/20/20 to 1/16/21 (as of 1/19/21)**

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 12/20/20 – 1/18/21)			Ongoing Clusters (Cluster Identified Prior to 12/20 But Not Meeting Criteria for Closing)			Total		
		Clusters	Confirmed Cases	Close Contacts	Clusters	Confirmed Cases	Close Contacts	Clusters	Confirmed Cases	Close Contacts
1	Household	22,371	57,513	---	25,142	8,107	---	47,513	65,620	---
2	Long Term Care Facilities	91	984	---	249	2,992	---	340	3,976	---
3	Child Care	131	395	571	260	176	295	391	571	866
4	24/7 Congregate Settings	55	300	47	82	93	36	137	393	83
5	Senior Living	36	287	92	125	657	69	161	944	161
6	Social Gatherings	37	267	90	65	14	15	102	281	105
7	Hospitals	22	138	59	47	182	104	69	320	163
8	Organized Athletics/Camps	26	88	210	27	24	45	53	112	255
9	Retail & Services	19	83	44	45	52	12	64	135	56
10	Industrial Settings	13	68	12	59	99	75	72	167	87
11	Other Healthcare	16	54	10	37	35	24	53	89	34
12	Corrections	5	49	4	18	949	74	23	998	78
13	Restaurants & Food Courts	11	42	8	52	53	43	63	95	51
14	Places of Worship	6	34	2	12	68	86	18	102	88
15	Shelters	3	32	52	4	21	.	7	53	52
16	Other Workplaces	9	29	3	48	40	15	57	69	18
17	Other	3	28	8	1	.	.	4	28	8
18	K-12 Schools	10	25	7	54	48	29	64	73	36
19	Offices	7	24	10	10	3	15	17	27	25
20	Colleges & Universities	5	20	5	15	4	4	20	24	9
21	Other Food Establishments	1	5	.	14	40	13	15	45	13
22	Recreation/Cultural	.	.	.	8	22	5	8	22	5
23	Travel & Lodging	.	.	.	2	.	.	2	.	.
	<b>TOTAL</b>	<b>22,877</b>	<b>60,465</b>	<b>1,234</b>	<b>26,376</b>	<b>13,679</b>	<b>959</b>	<b>49,253</b>	<b>74,144</b>	<b>2,193</b>

**New Clusters:** Clusters with the first case (indicated by the first positive lab result) identified during the four week period 12/20/2020 – 1/16/2021

**Ongoing Clusters:** Clusters with the first case identified prior to 12/20 that has not met criteria to be closed. Confirmed cases included in ongoing clusters occurred between 12/20 and 1/16 but are associated with a cluster that began prior to 12/20. Close contacts included in ongoing clusters occurred between 12/20 and 1/16 but are associated with a cluster that began prior to 12/20

**Closed Clusters:** A cluster is closed after 28 days have passed since the last confirmed case; 27,632 clusters are closed, 177,184 cases are associated with closed clusters

**Source of data:** Massachusetts Department of Public Health, Bureau of Infectious Disease and Laboratory Sciences. Long Term Care Facility Data from the National Healthcare Safety Network beginning 5/31/2020. All other data from MAVEN and are subject to change. Only clusters consisting of two or more confirmed Massachusetts cases with a common exposure have been included.

Updated 1/25/21

# 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 75+
- Individuals 65+, Individuals with 2+ comorbidities (those that are at increased risk for severe illness)
- Early education and K-12 workers, transit, grocery, utility, food and agriculture, sanitation, public works and public health workers
- Individuals with one comorbidity

**PHASE THREE**  
Vaccine available to general public

**December - February**  
Estimated timeframes

**February - April**

**April - June**  
Updated 1/25/2021