

Massachusetts Department of Public Health

PUBLIC HEALTH COUNCIL

February 17, 2021

Please standby – the meeting will begin shortly

Today's presentation is available on the mass.gov/dph website under "Upcoming Events" by clicking on the February 17 Public Health Council listing



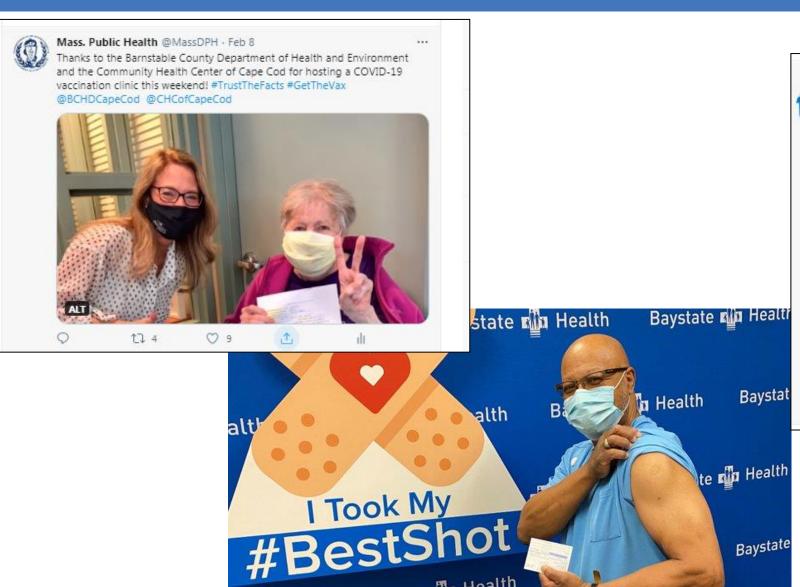
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Vaccine rollout





New state public information campaign

- \$2.5M campaign
- Backed by research
- Uses trusted messengers
- Focus on safety and trust
- TV, radio, digital
- Assets in 11 languages
- February to June



16.1K views

COVID Communications Advisory Group

Marlishia Aho 1199 SEIU Massachusetts

Justin Auguste The Castle Group

Jennifer BerrymanUMASS Medical School

Isabel Gonzales-Webster Worcester Interfaith

Kathleen Jeanty Boston Public Health Commission

Juan Lopera Tufts Health Plan

Nick Martin Office of Mayor Marty Walsh

Sam Melnick Mass Health & Hospital Association

Yadires Nova-Salcedo TV Producer and Host

Kerin O'Toole MA League of Community Health Centers

Christina Peaslee Cape Cod Healthcare

Colette Phillips Communications

Bec Rollins Pathfinder International

Dawn Sibor MA Health Officers Association

Tanisha Sullivan NAACP – Boston Branch

Sharon Torgerson Mass General Brigham

Katherine (Swift) Udden Massachusetts Medical Society

Gwendolyn Vansant BRIDGE of the Berkshires

Increasing Equity in Vaccine Awareness & Access

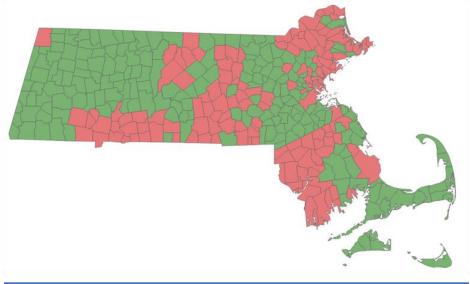
February 17, 2021

Public Health Council

Process to Identify High Need Communities

Combining the CDC's <u>Social Vulnerability Index</u> (SVI) as well as case rates of COVID-19 in communities, and giving each equal (50%) weight, helped identify potential 'high need' communities in Massachusetts

- Analysis done in Fall 2020 by McKinsey in collaboration with external Vaccine Advisory Group
- Method uses county level SVI and city-level case rates
- List prioritizes 40% of all communities in the Commonwealth (shown in red on this map)
- List includes cities where case rates may be driven by congregate care sites, which have been prioritized within the phases of the vaccine deployment



Massachusetts Communities: Combined SVI and Cases

Red: Higher SVI and cases Green: Lower SVI and cases

Top 20 Prioritized High Need Communities

N=20 Communities Listed in	
Alphabetical Order	
Boston	
Brockton	
Chelsea	
Everett	
Fall River	
Fitchburg	
Framingham	
Haverhill	
Holyoke	
Lawrence	
Leominster	
Lowell	
Lynn	
Malden	
Methuen	
New Bedford	
Randolph	
Revere	
Springfield	
Worcester	

NI_20 Campungities Listed in

- Started with all cities and towns with the top SVI/Case Rate for COVID-19 (CDC model, per Advisory Committee, 40% of cities/towns) (n=141)
- 2. Ranked these by average daily case rate for COVID-19 for cities and towns (after excluding LTC, CF and towns <30K pop) (n=58)
- Filtered by towns ranked in top 25 highest % Non-White/Persons of Color (n=17)
- 4. To include all the cities/towns in the top 15 average daily COVID-19 case rate, we added 3 additional towns (n=20)

Invest in Community

Context: The pandemic is exacerbating pre-existing public health concerns; vaccine confidence relates to mistrust in the health system and differs by race/ethnicity and income. Engaging trusted messengers and reducing barriers (ability to receive vaccine from a trusted source, reducing transportation and language access barriers, etc.) will increase confidence.

Goal: To increase vaccine trust, and access, engage communities most affected by COVID-19 in the development, testing, and delivery of vaccine messaging, and use feedback to inform targeted community engagement, public awareness campaign, FAQs, social media, and other communications materials. Utilize CHWs and other trusted community members to address barriers to access. Develop tailored vaccination approaches to address logistical and operational requirements for vaccinations, including focus on cross-cutting populations, such as: indigenous people, individuals with disabilities and access and functional needs, those living in rural settings.

- Communications Campaign: <u>Trust the Facts. Get the Vax.</u>
- <u>Community Guide</u> to increase ease of access to <u>educational materials</u> and encourage community organizations to conduct their own vaccine education/outreach
 - Training webinars scheduled this & next week (~400 participants)
- Vaccine Ambassador program to support community-led education
- Partnership with Community & Faith Based Organizations in hardest hit communities to conduct tailored priority population outreach/education (HRiA-led; currently \$300k for 20 organizations)
- Partnership with Mass League of Community Health Centers: CHW Vaccine Ambassador program (\$1M); COVID-19 vaccine community engagement campaign (\$50k)

Community-Driven Model

- Implement a community-based and driven system, designed around needs and assets for each individual community
- Focused on priority populations
- Designed to address equity needs and efficiency goals
- Introductory calls made 2/16
- Coordination through a **DPH Community Liaison** for each community (beginning Feb 22, 2021)
- Leverage and coordinate resources; existing and growing menu to customize support to address vaccine confidence, access and barriers

DPH Liaison

As part of the outreach, a DPH Community Liaison will work to leverage and coordinate state resources and customize a menu of options to be offered to each community, which may include:

- Identifying gaps and mapping available resources to reduce barriers to vaccination
- Coordinating and supporting key stakeholders to maximize and align efforts, while synchronizing outreach, working closely with the Local Board of Health, local Community and Faith Based Organizations, Community Health Centers, and Community Health Workers who can support grassroots outreach to priority populations
- Developing population specific outreach activities and engagement strategies to help increase vaccine confidence
- Deploying DPH Vaccine Ambassadors to provide support for town-halls and other community forums to share <u>information and materials</u>, including a <u>DPH forum guide and toolkit</u>
- Disseminating culturally appropriate translations of communications campaign materials, including: <u>Trust the</u> <u>Facts. Get the Vax. campaign materials</u> and <u>vaccine FAQs</u> in multiple languages.
- Hiring local residents to provide "boots on the ground" for neighborhood and local business outreach, which
 may include a door-knocking campaign to provide information and answer questions about vaccine efficacy
 and safety.

Community-Driven Framework



DPH Community Liaison Role

- Meets regularly with representatives from priority communities
- Assesses needs & identifies gaps
- Leverages and coordinates DPH, Command, and community resources to fill gaps
- Facilitates requests for any communication material development/review needs
- Identify barriers to vaccine access (transportation, scheduling, etc.)
 and inform solutions
- Connect priority populations with available vaccine



Massachusetts Department of Public Health

Determination of Need:

Request by Emerson Endoscopy and Digestive Health Center, LLC for Substantial Change in Service

Massachusetts Department of Public Health

COVID-19 Community Impact Survey (CCIS)

Preliminary Analysis Results February 17, 2021

CCIS TEAM MEMBERS

CCIS Project Leads

Lauren Cardoso, Sanouri Ursprung, Beth Beatriz, Glory Song, Caroline Stack, Kathleen Fitzsimmons, Emily Sparer-Fine, Nicole Daniels, Lisa Bandoian, Heather Nelson, Amy Flynn, Lisa Arsenault

CCIS Analytic Team

Beth Beatriz, Glory Song, Caroline Stack, Kathleen Fitzsimmons, Emily Sparer-Fine, Matthew Tumpney, Rebecca Han, Lauren Larochelle, Arielle Coq, Anne Marie Matteucci, Lauren Fogharty, Vera Mouradian, Melody Kingsley, Ta Wei Lin, Anna Agan, Justine Egan, Allison Guarino, Elizabeth Showalter, Priyokti Rana, Lauren Cardoso, Sanouri Ursprung

CCIS Data to Action Workgroup

Jessica del Rosario, Kim Etingoff, Lisa Bandoian, Andrea Mooney, Ben Kingston, Dawn Fukuda

CCIS Steering Committee

Lauren Cardoso, Sanouri Ursprung, Beth Beatriz, Abbie Averbach, Ruth Blodgett, Ben Wood, Sabrina Selk

CCIS Data Dissemination Workgroup

Beth Beatriz, Glory Song, Emily Sparer-Fine, Ta Wei Lin, Vera Mouradian

CCIS COMMUNITY PARTNERS

Many groups that were critical in the success of this effort and gave important input on the development and deployment of the survey:

- Academic Public Health Volunteer Corps and their work with local boards of health and on social media
- Mass in Motion programs, including Springfield,
 Malden, and Chelsea
- Cambodian Mutual Assistance
- The Mashpee Wampanoag Tribe
- The Immigrants' Assistance Center, Inc.
- Families for Justice as Healing
- City of Lawrence Mayor's Health Task Force

- The 84 Coalitions, including the Lawrence/Methuen
 Coalition
- Boys and Girls Clubs, including those in Fitchburg and Leominster and the Metro South area
- Chinatown Neighborhood Association
- Father Bill's
- UTEC
- MassCOSH
- Stavros Center for Independent Living
- Greater Springfield Senior Services

OVERVIEW

- 1. Purpose and Approach of the Covid-19 Community Impact Survey (CCIS)
- 2. Preliminary Findings
 - Ability to mitigate individual risk of infection
 - Access to Testing
 - Access to Healthcare
 - Impact on Basic Needs
- 3. Converting these Data to Action with our partners
- 4. Appendix

PURPOSE AND APPROACH

BACKGROUND

Context

The pandemic is exacerbating pre-existing public health concerns and creating new health crises to address. Even people who have not become sick with COVID-19 are managing stress, uncertainty, and isolation during this challenging time. DPH and its partners need real time data to prioritize resources and inform policy actions.



Goal

DPH conducted a survey to understand the specific needs of populations that have been disproportionately impacted by the pandemic, including its social and economic impacts.



Actions

DPH will use and share these data to prioritize our pandemic response and to create new, collaborative solutions with community partners.





TESTING: How can we make access and awareness more equitable? Who doesn't know where/when to go? Who is still concerned about cost?





MENTAL HEALTH SUPPORTS -What should we deploy to meet acute needs?



RISK MITIGATION – Where can we eliminate unfair environmental barriers to social distancing?



VACCINE DEPLOYMENT: How should we prioritize certain occupations, populations, geographies, etc.? (eg. Who can't work from home? Who can't socially distance at work?)



RÉSUMING DELAYED CARE - What acute non-COVID health concerns are increasing? And for whom? (eg. Where do we need to lower barriers or communicate better to encourage folks not to delay care?)



PSA/COMMUNICATION - Who still "doesn't know" info we've pushed out and how can we better reach them?



These data could inform...

YOUTH/SCHOOL SERVICES- What impacts are youth experiencing beyond educational delays (e.g., healthcare access, testing for teens in frontline occupations (e.g., grocery), protections for those that work directly with youth)?



ECONOMIC SUPPORT - Who is facing the biggest disparities in meeting basic needs? How does this intersect with areas like PPE, testing, etc.?



DEMOGRAPHICS

Age, geography, gender, race, ethnicity, sexual orientation, disability status, education, income



SAFETY

Intimate partner violence, discrimination



SUBSTANCE USE

Change in use, resource needs



PERCEPTIONS & EXPERIENCES OF COVID-19

Concern, access to testing, ability to social distance

CCIS DOMAINS



BASIC NEEDS

Access to goods, services, information, social safety nets



ACCESS TO HEALTHCARE

Healthcare needs, types of care, barriers to care



MENTAL HEALTH

Trauma, other mental health challenges, resource needs



EMPLOYMENT

Changes in employment, barriers to employment, ability to work from home, access to protections

OVERVIEW OF APPROACH

- Conducted an online survey between Sept. and Nov. 2020
- Available in 11 languages
- Employed a sampling strategy that ensured we reach key populations
- Weighted results to the state average
- Open ended questions captured previously unknown needs and barriers
- Recruited participants via network of community-based organizations (CBOs)

We intentionally worked to reach these Priority Populations:

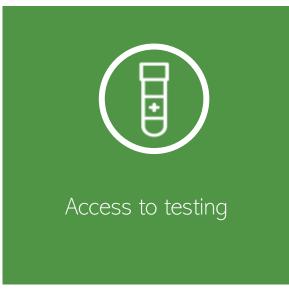
- People of color
- LGBTQ+ individuals
- People with disabilities
- Essential workers
- People experiencing housing instability
- Older adults
- Individuals living in areas hardest hit by COVID-19

Recruitment efforts were overwhelmingly successful

- Over 33,000 adult respondents in the final sample
- More respondents from western and central MA, than in the entire statewide samples of past surveillance surveys* (eg. BRFSS).
- Compared to past surveillance surveys, CCIS priority population samples reached:
 - o 10x as many Alaska Native/Native Americans
 - o 10x as many LGBTQ respondents
 - o 5x as many residents who speak languages other than English
 - o 5x as many Hispanic residents
 - o 5x as many Asian residents
 - Over twice as many respondents in other populations including the deaf/hard of hearing and Black community
 - Additional Focus Groups were conducted with the Deaf/Hard of Hearing community

PRELIMINARY RESULTS











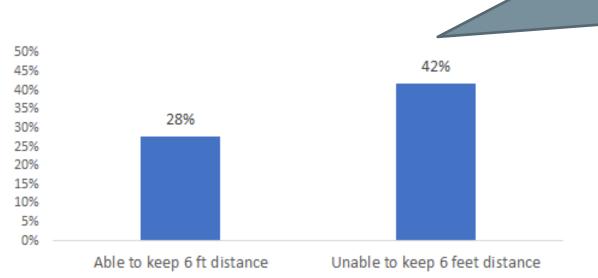
ABILITY TO MITIGATE INDIVIDUAL RISK OF INFECTION

RISK MITIGATION

Individuals who are the **most worried** about becoming infected with COVID-19 (see next slide), are also the **leastable** to maintain 6 ft. distance from others especially when in retail/grocery stores and at work.

Those who were **not able** to socially distance were 1.5 times as likely to be "very" worried about getting COVID -19

"Very" worried about getting infected with COVID-19*



^{*} Among those who do not leave the house, 71% were very worried about getting infected.

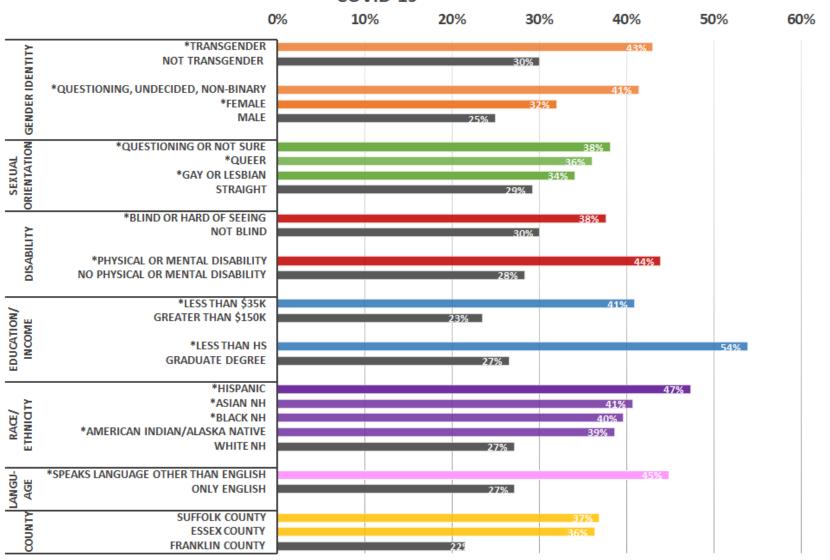
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Among those who were <u>not</u> able to keep 6 feet distance most respondents experienced at least 2 of the following top reasons why:

- "The place where I **shop** or buy **groceries** is crowded" (62%)
- "In order to do my work, I need to be physically close to others" (42%)
- "My workplace is crowded" (23%)
- "The **streets** where I live are crowded" (20%)

RISK MITIGATION

MA subpopulations most likely to be "very" worried about becoming infected with COVID-19

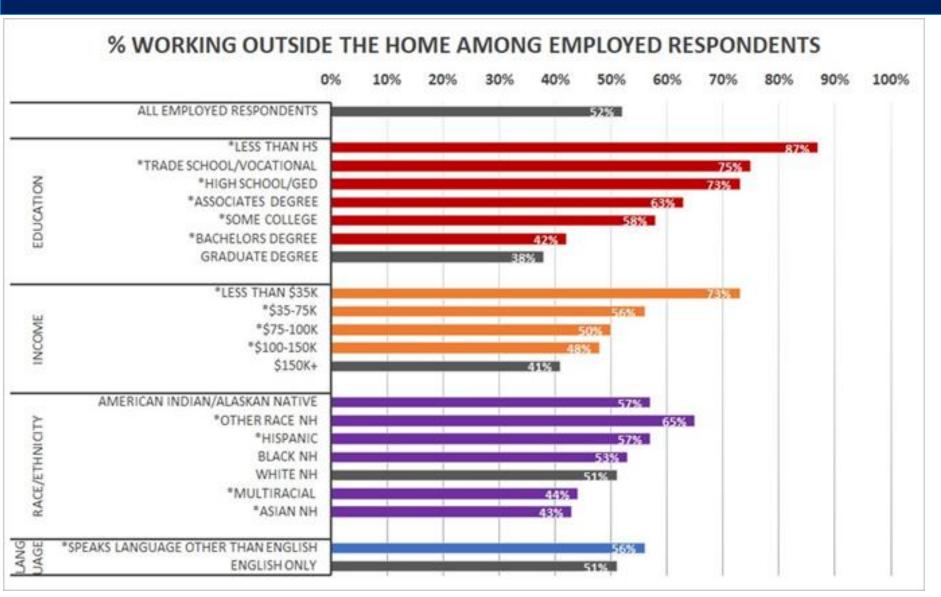


Populations most likely to say they are "very worried" about becoming infected with COVID-19 include:

- Transgender respondents
- Those who are female or questioning their gender identity
- LGBQ+ respondents
- Blind/hard of seeing people
- People with physical or mental disabilities
- Respondents with lower income and/or lower educational attainment
- Persons of color
- Those who speak a language other than English

²⁹

Over half of those who could <u>not</u> socially distance listed <u>work-related</u> factors as a primary reason. Some populations were <u>much more likely to work outside of the home</u> and face <u>greater risk</u> of exposure.



Half of all employed respondents worked a job outside the home, facing increased risk of exposure.

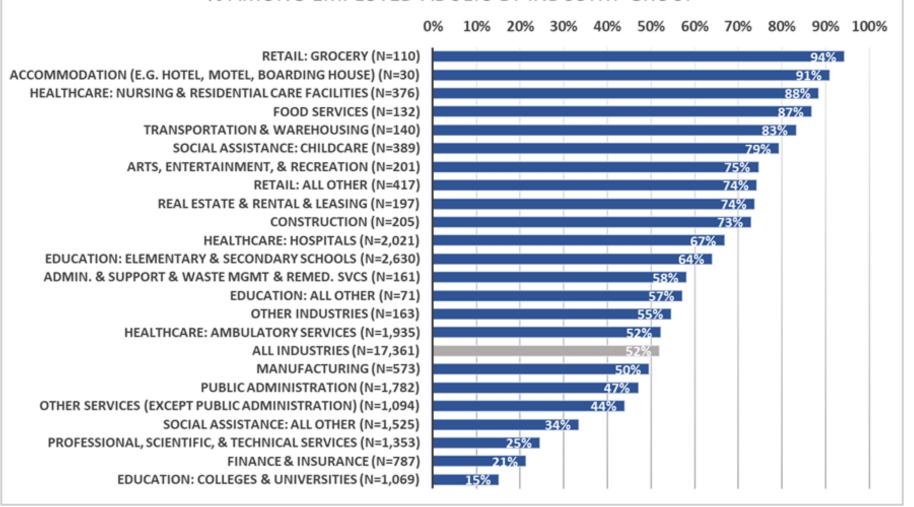
Workers in jobs outside the home tended to have lower educational attainment, lower wages, be people of color, and speak languages other than English.

^{*} denotes rate is significantly different compared to the reference group

Respondents in certain industry groups were much more likely to work outside of the home and thus face greater risk of exposure.



% AMONG EMPLOYED ADULTS BY INDUSTRY GROUP



The percentage varied by industry ranging from 94% in Retail: Grocery to 15% in Education: Colleges and Universities

Even within certain industries, the percentage who worked outside the home varied by subgroup. For example in healthcare:

- 88% in Nursing and Residential Care Facilities
- 67% in Hospitals
- 52% in Ambulatory Services

PRELIMINARY FINDINGS – Statistical significance testing forthcoming.

RISK MITIGATION

Respondents working outside the home in the following industries* were less likely to have employer provided/implemented COVID-19 precautions such as personal protective equipment, COVID safety training, and implementation of social distancing at work:

- Food Services
- Construction
- Transportation and Warehousing

- Administrative Support and Waste Management Services
- Arts, Entertainment, and Recreation (e.g. gyms)



1 in 4 respondents worked in places that did not provide PPF.



1 in 3 respondents worked in places that did not implement social distancing.



1 in 2 respondents worked in places that did not provide additional health & safety training.

Identifying infections early through **testing** and lowering barriers to staying home by providing employees with **adequate paid sick leave** is essential to mitigating the spread of COVID.



Adults who worked **outside the home** were more than **two times** as likely to report **testing positive** compared to those who worked from home.



Access to sick leave varied widely across industries, ranging from 37% in food services to 92% in public administration.

RISK MITIGATION

The **behavior** of individuals is one of the most **powerful tools** we have to stop the spread of COVID-19.

Our behaviors are influenced by:

1. Knowledge about what to do.

2. Belief that the behavior is important.

3. Factors that make the behavior easier or harder to engage in.



TESTING ACCESS

TESTING ACCESS

Among all respondents, 44% reported ever having been tested for COVID.

Key populations prioritized through Massachusetts testing initiatives like *Stop the Spread* program reported some of the highest rates of testing, suggesting that these efforts have been successful.

Priority Population	% Reported Ever Been Tested
Suffolk County residents	59%
Essex County residents	47%
Middlesex County residents	47%
Black, Non-Hispanic residents	52%
Hispanic residents	51%
	A 7 CM

TESTING ACCESS

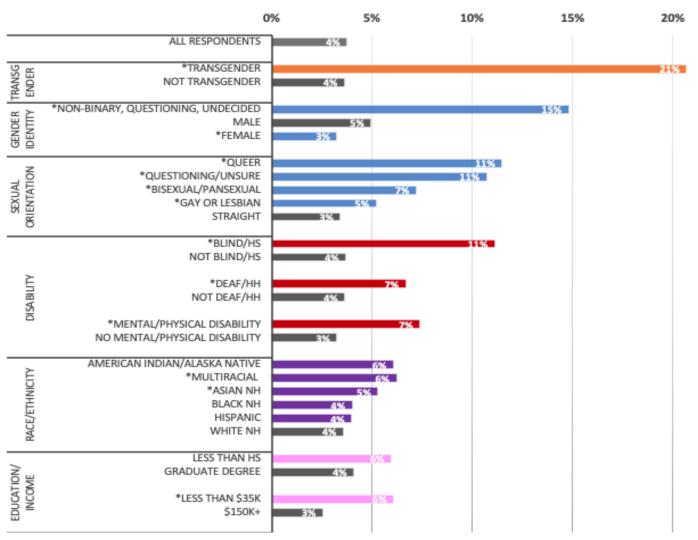
Besides not having symptoms, the top reasons for not getting tested were:

TOP REASONS FOR NOT BEING TESTED 1. Didn't meet testing criteria when had symptoms 2. Didn't know where togo 3. Lack of perceived exposure 4. Only had mild symptoms 5. Test was too expensive 6. Test wasn't available where I wanted to get tested

The STS program is currently addressing some of these top barriers through expansion of sites providing free testing regardless of symptoms/exposure.

TESTING ACCESS

% DIDN'T GET TESTED BECAUSE:"I DIDN'T KNOW WHERE TO GO" AMONG THOSE WHO HAD NEVER BEEN TESTED FOR COVID-19



The following groups were more likely to report not getting tested because they didn't know where to go:

- Transgender Respondents
- Males and Non-binary respondents and respondents questioning their gender identity
- LGBQ+ people
- Respondents with **disabilities**
- Am. Indian/Alaska Natives, Multiracial Respondents, and Asians
- Respondents with lower income
- Respondents who speak languages other than English

...suggesting that current communication and dissemination channels may not be as effective at reaching these populations

^{*} denotes rate is significantly different compared to the reference group



HEALTH CARE ACCESS & DELAYS

HEALTH CARE ACCESS & DELAYS

The pandemic has **substantially impacted normal healthcare operations** and **put** stress on healthcare capacity.



4 of 5 respondents who needed medical care since July 2020 have gotten the care that they needed.

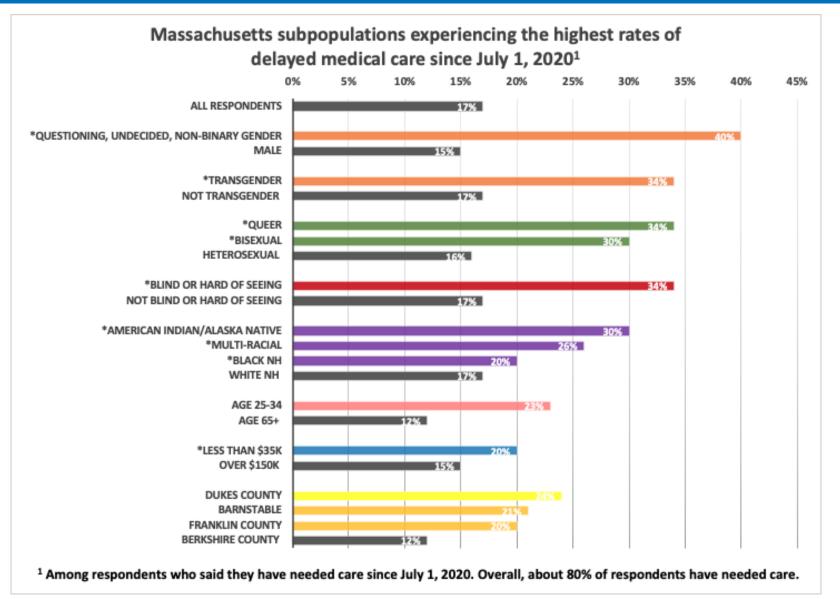


60% of those who needed care received telehealth care via phone or video, suggesting that the rapid scale-up of telehealth has been crucial.



However, **1** Of **5** respondents are missing either critical **urgent care** or **essential routine care**. Some residents have missed **both**.

HEALTH CARE ACCESS & DELAYS



Delayed care (both urgent and routine) is **over 1.5X to 2X** as high among subgroups that already face many healthcare barriers such as cost, transportation, English proficiency, and discrimination:

- Respondents with questioning, undecided, non-binary gender
- Transgender respondents
- LGBQ+ respondents
- Respondents with **disabilities**
- Am. Indian/Alaska Natives, Black, and Multiracial respondents
- Younger respondents
- Those with **lower incomes**

^{*} denotes rate is significantly different compared to the reference group

DELAY IN EMERGENCY OR URGENT CARE

Delays in seeking or receiving emergency care for acute conditions like pain, chronic disease flare-ups, or severe mental health can lead to serious health consequences...

...yet **nearly 1 in 3 respondents** who had delayed care reported having an acute condition delayed.

TOP 5 ACUTE CONDITIONS DELAYED

- 1. Pain (e.g. chest pain, stomach pain, headaches, back pain)
- 2. Chronic disease flare-ups (e.g. diabetes, uncontrolled asthma, cardiovascular conditions, GI, Iupus)
- 3. Severe mental health (e.g. severe stress, depression, nervousness, anxiety)
- 4. Oral or dental pain
- 5. Non work-related Injury

The pandemic has drastically disrupted healthcare capacity even for people who normally face few barriers to care.

However, access concerns were still felt <u>most acutely</u> by populations who already faced healthcare barriers prior to the pandemic, and have the highest rates of delayed urgent care now.

TOP 5 REASONS FOR DELAYED URGENT CARE

- 1. My appointment was cancelled/delayed
- 2. The office was **closed**, told no appointments available, or no one responded to my phone calls
- 3. I was worried about getting COVID-19 from in-person care
- **4**. I was worried I **could not afford** the care or my **insurance** didn't cover it
- 5. I didn't have time or had caretaking responsibilities

DELAY IN ESSENTIAL AMBULATORY CARE

Essential ambulatory care services are also being delayed, and among those who need them the most.



Nearly 1 in 3 women who reported delaying regular care said they experienced delays in services like OB/GYN care and sexual and reproductive health care (e,g. birth control or STI).



Nearly 1 in 3 individuals with 1 or more chronic conditions (e.g. asthma, diabetes, obesity) who reported delaying regular care said they had delays for chronic disease management services.

<u>Limited healthcare capacity</u> was the #1 reason people could not access ambulatory care.

(e.g. office or clinic is closed or told no appointments available, certain services or procedures were being limited and not available, appointment was cancelled, delayed or the wait was too long, etc.)

DELAY IN ESSENTIAL AMBULATORY CARE

Although 60% of respondents who needed care were able to get care via <u>telehealth</u> (by phone or video), technology-related barriers <u>remain a challenge</u> for certain populations.

"I didn't have good enough phone or internet connection"

"I didn't have a phone, tablet, or computer"

"I didn't have a private place for a phone call or video chat"

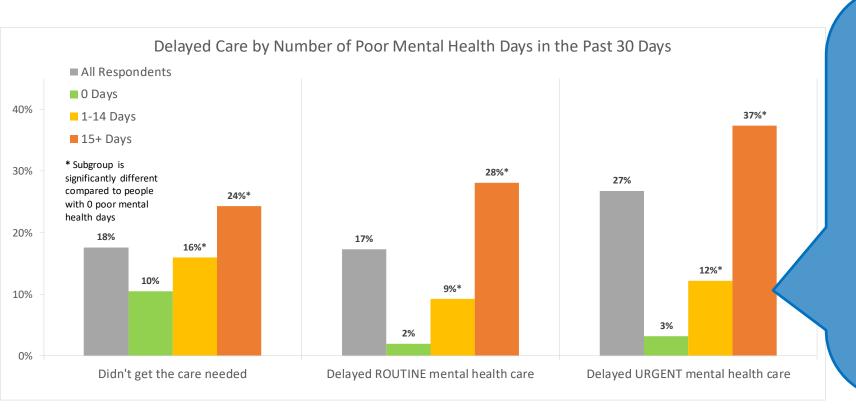


These populations were 2X to 4X as likely to have telehealth-related barriers:

- Less than HS education or \$35K income
- American Indian/Alaska Natives, Hispanic, and multiracial respondents
 - Residents of Franklin county

DELAY IN MENTAL HEALTH CARE

The respondents with 15+ days of poor mental health are also the most likely to experience delays in both routine and urgent mental health care.

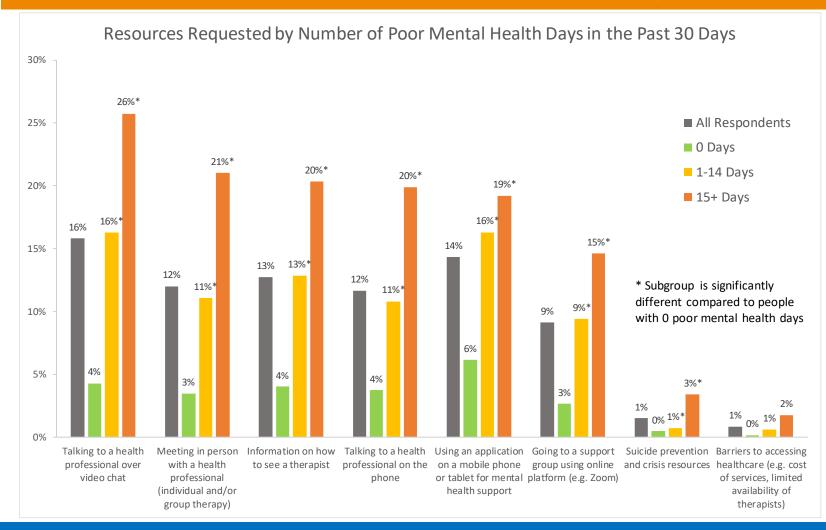


TOP 5 REASONS FOR DELAYED CARE BY RESPONDENTS WITH POOR MENTAL HEALTH

- 1. My appointment was cancelled/delayed (59%)
- 2. I was worried about getting COVID-19 from in-person care (27%)
- 3. I was worried I could not afford the care or my insurance didn't cover it (8%)
- 4. I did not have a private place for a phone call or video chat (7%)
- 5. I did not have safe transportation to get to my appointment (7%)

REQUESTED MENTAL HEALTH RESOURCES

Respondents with 15+ days of poor mental health are seeking health resources at higher rates compared to those who experienced "O" days or "1-14" days of poor mental health.



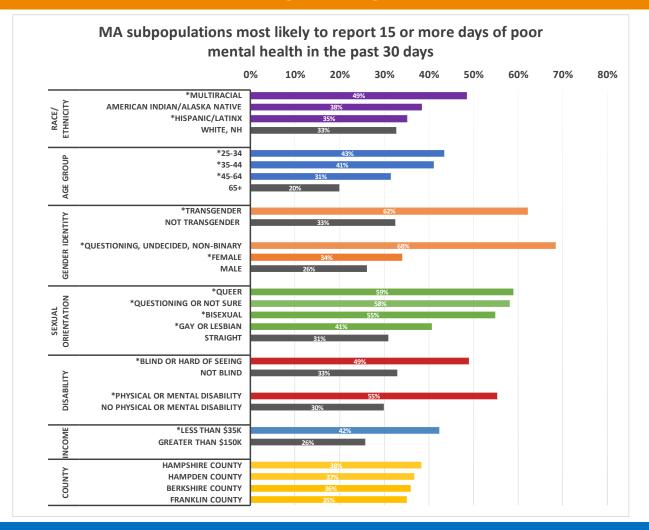
TOP 5 RESOURCES REQUESTED by respondents with poor mental health

- 1. Talking to a health professional over video chat
- 2. Meeting in person with a health professional (individual and/or group therapy)
- 3. Information on how to see a therapist
- 4. Talking to a health professional on the phone
- **5.** Using an application on a mobile phone or tablet for mental health support

MENTAL HEALTH STATUS

1 in 3 of MA adults* reported 15+ days of poor mental health.

All demographic groups in MA are experiencing increases in poor mental health.



The percentage of adults who reported poor mental health on this survey is **3X higher** than the 11% of adults who reported poor mental health on the 2019 MA BRFSS

In this survey, the following groups experienced the highest rates of poor mental health:

- Multiracial, American Indian/Alaska Natives respondents
- Transgender respondents, Non-binary respondents, and respondents questioning their gender identity
- LGBQ+ respondents
- Respondents with disabilities
- Respondents with lower income

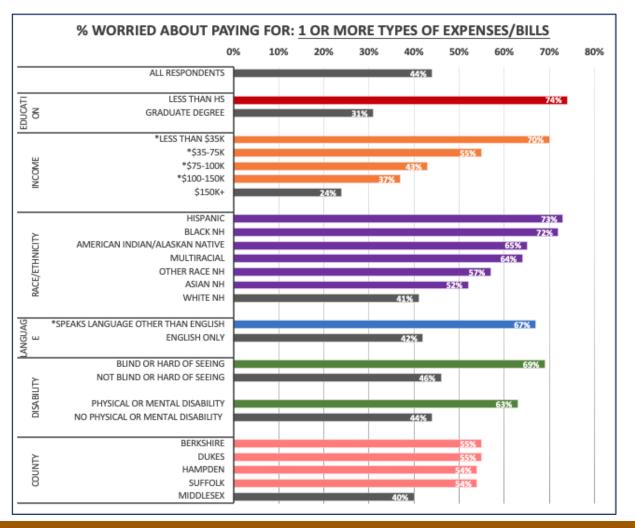
Similar patterns within and across demographic groups are seen among those who experienced 3+ PTSD-like reactions to COVID-19 in the past 30 days



SOCIAL DETERMINANTS OF HEALTH

DETERMINANTS OF HEALTH: EXPENSES

A regular income is critical in order to afford essential medication, food, and health services, but some populations in the commonwealth have been harder hit by employment-related changes than others. Even before the pandemic, these same populations also had less financial reserve as a safety net.

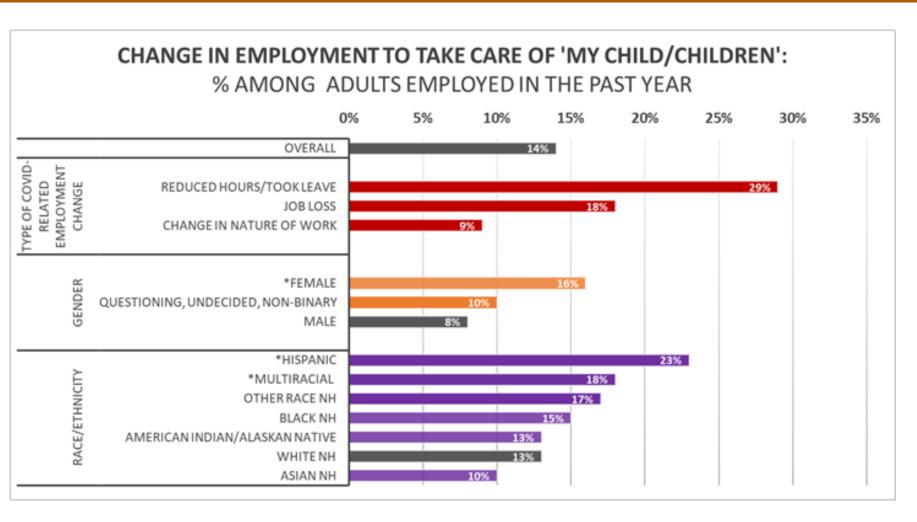


EXPENSES/BILLS RESPONDENTS WERE MOST CONCERNED ABOUT PAYING	% of Respondents
1. Housing (rent, mortgage, property taxes, condo fees, housing insurance)	28%
2. Utilities (cable, cell, electricity, water, gas, heating)	24%
3. Debt (credit card, student loan, bank fees)	21%
4. Vehicle (lease, car loan payment, car insurance)	15%
5. Insurance (health, disability, life)	11%

Groups experiencing the greatest economic hardship:

- Low income & education
- Hispanics and Blacks
- Speak languages other than English
- Blind/ hard of seeing
- Mental or physical disability
- Residents of Hampden, Suffolk, Berkshire & Dukes

DETERMINANTS OF HEALTH: CHILDCARE



Nearly 1 in 3 of employed adults who reduced their hours or took leave did so, at least in part, to take care of children.

Nearly 1 in 5 who lost their jobs cited needing to take care of children as a reason.

Females were twice as likely as males, and Hispanic adults almost twice as likely as White Non-Hispanic adults to change the status or nature of their employment to take care of children.

⁴⁹

DETERMINANTS OF HEALTH: FOOD



Food insecurity is directly associated with mortality from obesity, hypertension, diabetes, and heart disease, which are all also risk factors for more severe COVID-19 illness and mortality.

Economic hardship brought on or exacerbated by the pandemic means that people may not be able to afford purchasing enough food or healthy food for themselves and their family. The pandemic has also made accessing groceries more challenging than before, especially among those without safe transportation and those more vulnerable to COVID-19.

More than 1 in 4 (28%) respondents worried about getting <u>food or groceries</u> in the coming weeks. However, some populations and communities reported <u>much higher rates</u>:

DISABILITY	%
Blind or hard of seeing	53%
Physical or mental disability	46%
SES	%
SES Less than a HS education	56%

ETHNICITY	%
Salvadoran	62%
Dominican	62%
Colombian	53%
Cape Verdean	51%
Puerto Rican	49%

ETHNICITY	%
Haitian	48%
Vietnamese	48%
Caribbean Islander	46%
Am. Indian/Alaska Native	45%

DETERMINANTS OF HEALTH: BROADBAND



Fast, stable and affordable internet access has become more critical than ever in connecting people to telehealth, work, remote learning, and essential goods and services.

Yet, accessing broadband remains a challenge for many residents. Barriers to access can include lack of broadband infrastructure in many rural areas and lack of affordable options for many urban families. Furthermore, public spaces like offices, schools, and libraries that once served as many residents' only connection to accessing internet are currently shut down.

1 in 7 (13%) respondents worried about getting <u>internet</u> in the coming weeks. However, some populations and communities were <u>more likely to be concerned</u>:

DISABILITY	%
Blind or hard of seeing	27%
Physical or mental disability	23%
SES	%
SES Less than a HS education	% 27%

ETHNICITY	%
Dominican	28%
Puerto Rican	26%
Am. Indian/Alaska Native	25%
Caribbean Islander	25%
Columbian	25%

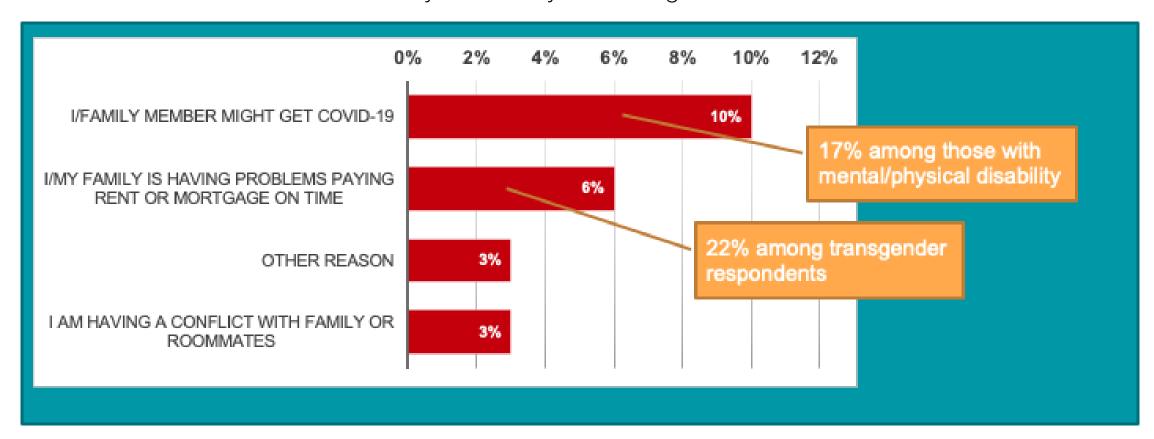
ETHNICITY	%
Cape Verdean	24%
Hispanic	24%
Salvadoran	23%
Vietnamese	23%
Haitian	20%

DETERMINANTS OF HEALTH: HOUSING STABILITY

1 in 5 respondents worried that they would have to move out of their home soon.

Among them:

- Nearly 30% said they would need a safe place to stay.
- 25% said having information about their rights as renters/tenants would help.
- The most common reason was if they or a family member got COVID-19.



DATA TO ACTION

ENGAGEMENT - OVERVIEW

We are getting input from both internal and external stakeholders in order to identify changes needed now and in future efforts.

- Internal = Bureaus, Offices, work groups
- External = engaged partners (i.e., HEAG, community partners)

Share findings and ask:

- How does this play out for you?
- How to overcome barriers?
- Actions to take now?

Focus on priority populations and geographies with racial justice reframing:

- Who benefits?
- Who decides? Who influences?
- Who could be harmed? How to mitigate?

ENGAGEMENT - EXAMPLE

<u>Key Finding</u>: Current communication and dissemination channels may not be equally effective at reaching all populations (eg. Transgender, LGBQ+, Males, those with disabilities, Am. Indian/Alaska Natives, Multiracial, Asians, low income, and those who speak languages other than English).

...suggesting adjusted media strategies, translations, and tailored community engagement should be considered for vaccine related communications to better reach these communities.

Heard: COVID-19 vaccine map on mass.gov is not accessible, need a table/grid with same information

Action Taken: Word and Excel document available for download, Word document could be hard to read, working to improve it now

Heard: Not all Indigenous people are represented in this work, would prefer that DPH bring what they are planning to address needs to Indigenous people to provide feedback and make suggestions

Action Taken: Engage Tribal Partners Group, to discuss how best to do this (added to 2/16)

meeting agenda)

QUESTIONS & FEEDBACK?

APPENDIX



DEMOGRAPHICS

Age, geography, gender, race, ethnicity, sexual orientation, disability status, education, income



SAFETY

Intimate partner violence, discrimination



SUBSTANCE USE

Change in use, resource needs



PERCEPTIONS & **EXPERIENCES OF COVID-19**

Concern, access to testing, ability to social distance



BASIC NEEDS

Access to goods, services, information, social safety nets



ACCESS TO HEALTHCARE

Healthcare needs, types of care, barriers to care



EMPLOYMENT

Changes in employment, barriers to employment, ability to work from home, access to protections

CCIS DOMAINS



MENTAL HEALTH

Trauma, other mental health challenges, resource needs

Demographics

What city or town do you live in?

How many people - adults and children - currently live with you, including yourself?

How many people who are over 60 years old currently live with you, including yourself?

Are you a caretaker of an adult(s) with special needs in your household?

Are you a parent/guardian of a child or youth with special health care needs?

Please select all that apply to you:

- I am deaf or hard of hearing.
- I am blind or I have trouble seeing even when I am wearing glasses.
- I have trouble concentrating, remembering, or making decisions because of a physical, mental, or emotional condition.
- I have trouble walking or climbing stairs.
- I have trouble getting dressed or taking a bath or shower.
- I have difficulty doing errands alone such as visiting a doctor's office or shopping.
- None of the above apply to me.

Were you pregnant during the COVID-19 outbreak or did you give birth since February 2020?

When did you give birth?

After the start of the COVID-19 outbreak, did your birth plans change?

What is the highest grade or year of school you have finished?

In 2019, what was your total annual household income before taxes?

Have you ever been sentenced to stay overnight or longer in any type of corrections institution? Examples include a jail or prison.

What is your sexual orientation?

What is your current gender identity?

Are you transgender or of transgender experience?

Are you Hispanic or Latino?

Demographics

What is your race? Select all that apply.

What is your ethnicity? Select all that apply.

(For English Survey) Do you speak language(s) other than English at home?

Which language(s) do you speak at home?

(For Non-English Surveys) How well do you speak English?

Perceptions & Experiences of COVID-19

How worried are you about getting infected with COVID-19 in Massachusetts?

Please select the two sources that you go to for the most reliable and up-to-date information about COVID-19.

When you are outside of the home are you able to keep 6 feet between yourself and others?

Why not? Check all that apply

Perceptions & Experiences of COVID-19

Do you agree or disagree with the following statements? My community is receiving adequate support to:

- Prevent the spread of COVID-19
- Protect workers from COVID-19
- Ensure medical facilities have the capacity to treat everyone who is sick or injured?
- Help people who have lost income
- Help businesses recover

Have you had fever and/or cough or shortness of breath and/or muscle aches or loss of sense of taste or smell in the last 30 days?

Did you ever get tested for COVID-19?

Why didn't you get tested? Select all that apply.

Have you or anyone you know tested positive for COVID-19? Select all that apply.

Has someone close to you died from COVID-19?

Healthcare Access

Do you currently have any of the following health conditions? Select all that apply.

Since July 1, 2020, what has been your experience with trying to see a doctor, counselor or another medical professional? Select all that apply.

For the care you did not get, why did you want to see a doctor or counselor at that time? Select all that apply.

What type(s) of regular care or check-up did you need at that time? Select all that apply.

What condition(s) did you need emergency or urgent care for at the time? Select all that apply

Why were you not able to get care at the time? Select all that apply.

What type(s) of health insurance do you currently have? Select all that apply.

Has your health insurance changed since the COVID-19 outbreak?

Basic Needs

Which of the following basic needs are you worried about getting for you and your family? This could be now or in the next couple of weeks. Select all that apply.

- Household Items
- Healthcare and medication
- Technology
- Childcare supplies
- Other

Which of these would be helpful to you right now? Select all that apply. (Food, help getting benefits, knowledge about rights, accessible services – translation, disability, childcare, other)

Which types of expenses or bills are you most worried about paying in the next few weeks?

Are you worried about any of these that will require you to move out of where you live in the next few months? Select all that apply

Have you applied to any of these financial supports since the beginning of the COVID-19 outbreak? What is the status of your application?

Mental Health

Now thinking about your mental health, which includes stress, depression, and problems with emotions, on how many days during the past 30 days was your mental health not good?

In the past month, have you had three or more of the following reactions to things you've seen, heard, or experienced related to the COVID-19 outbreak:

- Had nightmares or thought about it when you did not want to?
- Tried not to think about it or went out of your way to avoid situations that reminded you of it?
- Been constantly on guard, watchful, or easily startled?
- Felt numb or detached from people, activities, or your surroundings?
- Felt guilty or unable to stop blaming yourself or others for it or any problems it may have caused?

Which of these resources would be most helpful to you right now to help you with your mental health and well-being? Select all that apply.

Substance Use

During the past 30 days, have you used any of the following products Select all that apply.

Compared to before the COVID-19 outbreak (February 2020), how often are you using these products now?

Which of the following resources would be most helpful to you right now? Select all that apply.

Employment/Income

Which of the following best describes your current work situation? (Employed, Retired, unemployed, furloughed, etc.)

What kind of work do/did you do? For example, registered nurse, janitor, cashier, auto mechanic. If you have more than one job, please answer for your primary job.

What kind of business do you work in? For example, hospital, elementary school, manufacturing, restaurant. If you have more than one job, please answer for your primary job.

Employment/Income

Has your employer given you any of the following to protect you against COVID-19? Select all that apply.

If you are currently working, do you have paid sick leave you can use through your employer?

Was your employment status or the nature of your work changed in any of the following ways due to COVID-19? Select all that apply.

Why did your employment status or the nature of your work change? Select all that apply

Safety

Since COVID-19 began (March 10, 2020), has someone you were dating or married to physically hurt you? (i.e. being shoved, slapped, hit, kicked, punched, strangled, forced into sexual activity, or anything that could have caused an injury)

Since COVID-19 began (March 10, 2020), has someone you were dating or married to done any of the following: monitored your cell phone, called or texted you a lot to ask where you were, stopped you from doing things with friends, been angry if you were talking to someone else, or prevented you from going to school or work (including remotely)?

For which of the following topics would online support be most helpful to you or someone you know right now? Please select all that apply:

Discrimination can refer to harmful words and behaviors aimed at you because of your race or ethnicity. Since the COVID-19 outbreak began (March 10, 2020), have you experienced any form of discrimination because of your race or ethnicity?

In what way(s) did you experience discrimination?

Recruitment among priority populations was unprecedented

Priority Populations	2018 MA BRFSS	2020 CCIS Final Sample	Magnitude of Difference
Overall sample	6,669	33,948	5X
Race/Ethnicity			
Hispanic	522	2,506	5X
Black NH	365	1,162	3X
Asian NH	248	1,188	5X
Amer. Ind/Alaska Nat	35	351	10X
Disability Status			
Deaf/Hard of hearing	427	922	2X
Blind/Hard to see	258	236	On par
Lesbian, Gay, Bisexual + of responses Will enable us	to conduct the critical s	3,931 subanalysis'needed to un	derstand 10% ecific nee

This number

eds and experiences of these groups and to prioritize our deployment of resources to address them.

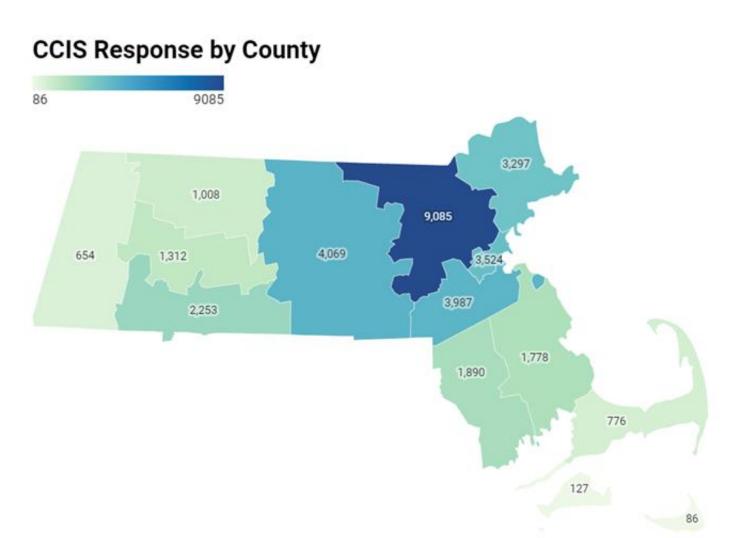
Non-English Speakers 158 (in 2 languages) 829 (in 8 la

829 (in 8 languages)

5X

64

Recruitment efforts were overwhelmingly successful



For example, more people responded from western and central MA alone, than in the entire 2019 BRFSS statewide sample.

Demographics of the sample

	Demographics	Freq.	Percent
	<25*	148	0.44
	25-35	6,726	19.81
Age	36-49	11,785	34.71
	50-64	10,012	29.49
	65+	5,277	15.54
	AI/AN	351	1.03
	Hispanic	2,506	7.38
	Multiracial	475	1.40
Race/Ethnicity	Asian NH	1,188	3.50
	Black NH	1,162	3.42
	White NH	27,605	81.32
	Unknown/Other	661	1.95
	Male	6,520	19.21
	Female	26,518	78.11
Gender	Non-Binary	392	1.15
	Prefer not to answer	518	1.53
Transgender	Transgender	245	0.73
Identity	Not Transgender	32,500	96.29
	Not sure/DK/refuse	1,007	2.98

¹ More granular disability definition forthcoming.	
Note: numbers in this table are unweighted. Subsequent analyses are weighted to the state average	

	Demographics	Freq.	Percent
	Asexual	646	1.92
	Bisexual	1,252	3.73
	Gay/Lesbian	1,352	4.03
Sexual Orientation	Heterosexual	29,231	84.08
	Queer	464	1.38
	Questioning	217	0.65
	Other/DK/refuse	1,414	4.21
Summer Lang	English	33,119	97.56
Survey Lang.	Other	829	2.44
	Deaf/Hard to hear	922	2.72
	Blind/Hard to see	236	0.70
	Hard to concentrate	1,612	4.75
Disability Status ¹	Hard to walk	1,628	4.75
	Hard to dress/bath	370	1.09
	Trouble w/errands	838	2.47
	None	29,307	86.33
	<\$35K	3,961	12.54
	\$35-74,999K	7,163	22.67
Income	\$75-99,999K	4,532	14.34
	\$100-149,999K	6,851	21.68
	\$150K+	9,089	28.77
	Less than HS	446	1.32
	High school or GED	2,279	6.73
	Trade /Vocational	905	2.67
Education	Some college	2,798	8.26
	Associates degree	2,484	7.33
	Bachelor's degree	10,635	31.39
	Graduate degree	14,338	42.31



ABILITY TO MITIGATE INDIVIDUAL RISK OF INFECTION

% "Very Worried" about Being Infected with COVID-19

	Demographics	Frequency	Weighted %
	Overall	9241	30%
	American Indian/Alaska Native	120	39%
	Hispanic/Latinx	1029	47%
	Multiracial, Non- Hispanic	148	34%
Race/	Asian, Non-Hispanic	398	41%
Ethnicity	Black, Non-Hispanic	424	40%
	White, Non-Hispanic	6947	27%
	Other Race, Non- Hispanic	88	29%
	Unknown Race	87	27%
	25-34	1556	31%
•	35-44	2339	30%
Age	45-64	3775	30%
	65+	1571	30%
	Male	1460	25%
Gender	Female	7501	31%
Identity	Questioning, Undecided, Non-binary	149	41%
	Asexual	202	33%
	Bisexual and/or Pansexual	373	32%
Sexual	Gay or Lesbian	425	34%
Orientation	Straight (Heterosexual)	7450	29%
	Queer	155	36%
	I am questioning/not sure of my sexuality	71	38%

	Demographics	Frequency	Weighted%
Transgender	Transgender	97	43%
Experience	Not Transgender	8801	30%
	<\$35K	1459	41%
	\$35-74,999K	2129	31%
Income	\$75-99,999K	1238	28%
	\$100-149,999K	1684	24%
	\$150K+	2020	23%
	Less than high school	197	54%
	High school or GED	735	34%
Educational	Trade/vocational school	255	29%
Attainment	Some college	864	33%
	Associates Degree	705	30%
	Bachelors Degree	2690	27%
	Graduate Degree	3773	27%
	Deaf/Hard of hearing	296	31%
Disability	Blind/Trouble seeing	84	38%
	Mental/physical disability¹	1248	44%
English language	Speaks language other than English	1973	45%

Demographics	Frequency	Weighted %
Barnstable	189	24%
Berkshire	155	25%
Bristol	532	31%
Dukes	31	29%
Essex	1051	36%
Franklin	216	22%
Hampden	624	31%
Hampshire	331	27%
Middlesex	2473	30%
Nantucket	23	30%
Norfolk	1025	29%
Plymouth	451	26%
Suffolk	1131	37%
Worcester	982	27%
	Barnstable Berkshire Bristol Dukes Essex Franklin Hampden Hampshire Middlesex Nantucket Norfolk Plymouth Suffolk	Barnstable 189 Berkshire 155 Bristol 532 Dukes 31 Essex 1051 Franklin 216 Hampden 624 Hampshire 331 Middlesex 2473 Nantucket 23 Norfolk 1025 Plymouth 451 Suffolk 1131

Preliminary analysis. Statistical significance testing forthcoming.

¹More granular disability definition forthcoming.

% Not Able to Keep 6 ft. Distance when Outside the Home

	Demographics	Frequency	Weighted %
	Overall	3559	11%
	American Indian/Alaska		
	Native	47	15%
	Hispanic/Latinx	228	10%
	Multiracial, Non-		
D/	Hispanic	64	15%
Race/	Asian, Non-Hispanic	132	12%
Ethnicity	Black, Non-Hispanic	99	9%
	White, Non-Hispanic	2901	11%
	Other Race, Non-		
	Hispanic	42	15%
	Unknown Race	46	17%
	25-34	963	17%
	35-44	994	12%
Age	45-64	1304	10%
	65+	298	6%
	Male	633	11%
Gender	Female	2754	10%
Identity	Questioning,		
	Undecided, Non-binary	98	26%
	Asexual	61	10%
	Bisexual and/or		
	Pansexual	240	19%
Sexual	Gay or Lesbian	168	14%
Orientation	Straight (Heterosexual)	2787	10%
	Queer	87	20%
	I am questioning/not		
	sure of my sexuality	39	19%

	Demographics	Frequency	Weighted%
Transgender	Transgender	54	22%
Experience	Not Transgender	3358	11%
	<\$35K	473	12%
	\$35-74,999K	834	11%
Income	\$75-99,999K	497	11%
	\$100-149,999K	729	11%
	\$150K+	832	10%
	Less than high school	36	9%
	High school or GED	187	8%
Faluactional	Trade/ vocational		
Educational Attainment	school	107	12%
Attainment	Some college	319	12%
	Associates Degree	258	10%
	Bachelors Degree	1189	12%
	Graduate Degree	1457	11%
	Deaf/Hard of		
	hearing	106	11%
Disability	Blind/Trouble		
Disability	seeing	45	20%
	Mental/physical disability¹	480	15%
English	Speaks language		
language	other than English	481	10%

	Demographics	Frequency	Weighted %
	Barnstable	80	11%
	Berkshire	59	9%
	Bristol	193	11%
	Dukes	9	9%
	Essex	334	11%
	Franklin	101	11%
Country	Hampden	202	9%
County	Hampshire	132	12%
	Middlesex	1022	12%
	Nantucket	11	12%
	Norfolk	357	9%
	Plymouth	180	10%
	Suffolk	462	13%
	Worcester	408	11%

Preliminary analysis. Statistical significance testing forthcoming.

¹More granular disability definition forthcoming.

% Working Outside of the Home among Employed Residents

	Demographics	Frequency	Weighted %
	Overall	8786	52%
	American Indian/Alaska Native	84	57%
	Hispanic/Latinx	650	57%
	Multiracial, Non- Hispanic	97	44%
Race/	Asian, Non-Hispanic	252	43%
Ethnicity	Black, Non-Hispanic	300	53%
	White, Non-Hispanic	7222	51%
	Other Race, Non- Hispanic	92	65%
	Unknown Race	89	58%
	25-34	1377	46%
	35-44	2167	48%
Age	45-64	4508	55%
	65+	734	58%
	Male	1734	55%
Gender	Female	6832	51%
Identity	Questioning, Undecided, Non-binary	76	43%
	Asexual	186	64%
	Bisexual and/or Pansexual	255	36%
Sexual	Gay or Lesbian	349	47%
Orientation	Straight (Heterosexual)	7403	52%
	Queer	76	33%
	I am questioning/not sure of my sexuality	51	52%

	Demographics	Frequency	Weighted%
Transgender	Transgender	46	42%
Experience	Not Transgender	8419	52%
	<\$35K	892	73%
	\$35-74,999K	1979	56%
Income	\$75-99,999K	1217	50%
	\$100-149,999K	1890	48%
	\$150K+	2329	41%
	Less than high school	68	87%
	High school or GED	657	73%
Educational	Trade/vocational school	300	75%
Attainment	Some college	789	58%
	Associates Degree	812	63%
	Bachelors Degree	2658	42%
	Graduate Degree	3486	38%
	Deaf/Hard of hearing	165	55%
Disability	Blind/Trouble seeing	32	58%
	Mental/physical disability¹	501	54%
English Ianguage	Speaks language other than English	1314	56%

Preliminary analysis. Statistical significance testing forthcoming.

County level estimates not available at this time.

¹More granular disability definition forthcoming.

EMPLOYER PROVIDED PPE

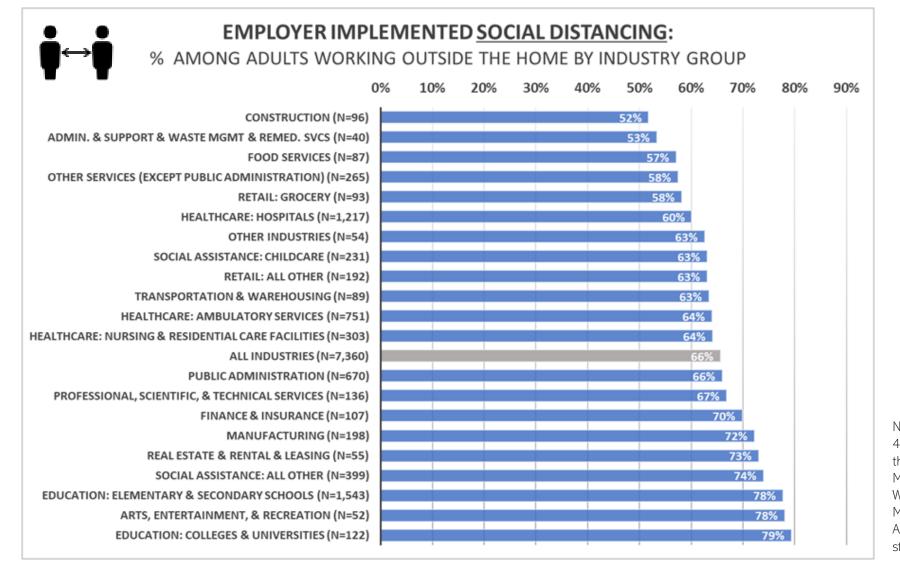


Overall, 76% of adults working outside the home reported that their employer provided PPE.

Across industry groups, the percentage ranged from 50% in Administrative Support and Waste Management to 91% in Healthcare: Hospitals.

Notes: 1) "Retail: Grocery" includes CIC 4970 Grocery Stores, 4980 Specialty Food Stores, 5090 Gas Stations [includes those with convenient stores]; 2) Other Industries includes Mining; Agriculture, Forestry, Fishing and Hunting; Utilities; Wholesale Trade; Management of Companies and Enterprises; Military; 3) Estimates were suppressed for Education: All Other; Accommodation due to insufficient data; 4) Preliminary findings, - statistical significance testing forthcoming.

EMPLOYER IMPLEMENTED SOCIAL DISTANCING



Overall, 66% of adults working outside the home reported that their employer implement social distancing at work.

Across industry groups, the percentage ranged from 52% in Construction to 79% in Education: Colleges and Universities.

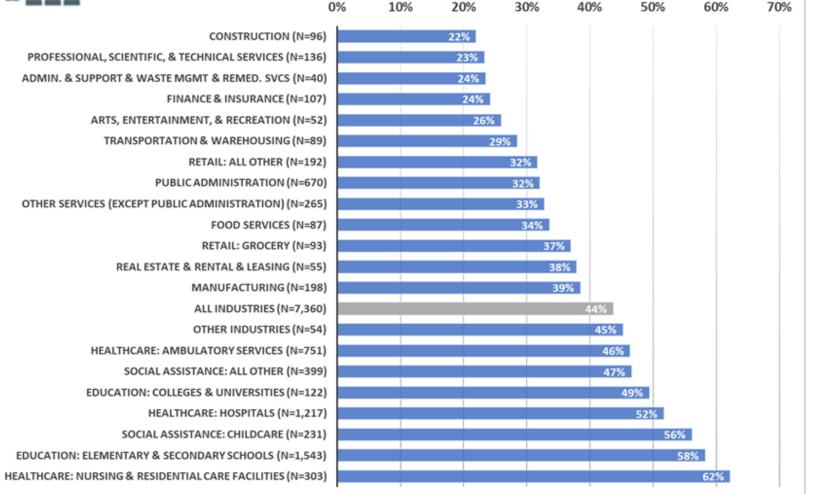
Notes: 1) "Retail: Grocery" includes CIC 4970 Grocery Stores, 4980 Specialty Food Stores, 5090 Gas Stations [includes those with convenient stores]; 2) Other Industries includes Mining; Agriculture, Forestry, Fishing and Hunting; Utilities; Wholesale Trade; Management of Companies and Enterprises; Military; 3) Estimates were suppressed for Education: All Other; Accommodation due to insufficient data; 4) Preliminary findings - statistical significance testing forthcoming.

EMPLOYER PROVIDED ADDITIONAL HEALTH AND SAFETY TRAINING



EMPLOYER PROVIDED ADDITIONAL HEALTH AND SAFETY TRAINING:

% AMONG ADULTS WORKING OUTSIDE THE HOME BY INDUSTRY GROUP

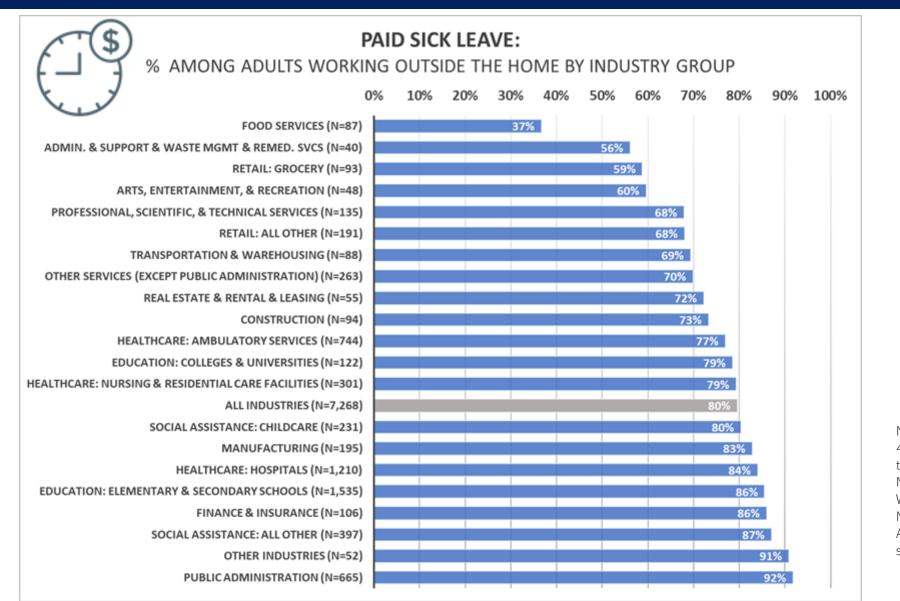


Overall, 44% of adults working outside the home reported that their employer provided additional health and safety training.

Across industry groups, the percentage ranged from 22% in Construction to 62% in Healthcare: Nursing and Residential Care Facilities.

Notes: 1) "Retail: Grocery" includes CIC 4970 Grocery Stores, 4980 Specialty Food Stores, 5090 Gas Stations [includes those with convenient stores]; 2) Other Industries includes Mining; Agriculture, Forestry, Fishing and Hunting; Utilities; Wholesale Trade; Management of Companies and Enterprises; Military; 3) Estimates were suppressed for Education: All Other; Accommodation due to insufficient data; 4) Preliminary findings - statistical significance testing forthcoming.

PAID SICK LEAVE



Overall, 80% of adults working outside the home reported they had paid sick leave.

Across industry groups, the percentage ranged from 37% in Food Services to 92% in Public Administration.

Notes: 1) "Retail: Grocery" includes CIC 4970 Grocery Stores, 4980 Specialty Food Stores, 5090 Gas Stations [includes those with convenient stores]; 2) Other Industries includes Mining; Agriculture, Forestry, Fishing and Hunting; Utilities; Wholesale Trade; Management of Companies and Enterprises; Military; 3) Estimates were suppressed for Education: All Other; Accommodation due to insufficient data; 4) Preliminary findings - statistical significance testing forthcoming.



TESTING ACCESS

% Ever been Tested for COVID-19

	Demographics	Frequency	Weighted %
	Overall	14319	44%
	American Indian/Alaska Native	164	52%
	Hispanic/Latinx	1156	51%
	Multiracial, Non- Hispanic	226	48%
Race/	Asian, Non-Hispanic	421	37%
Ethnicity	Black, Non-Hispanic	544	52%
	White, Non-Hispanic	11551	42%
	Other Race, Non- Hispanic	139	47%
	Unknown Race	118	35%
	25-34	2923	52%
•	35-44	3590	43%
Age	45-64	5924	44%
	65+	1882	36%
	Male	2667	43%
Gender	Female	11267	44%
Identity	Questioning, Undecided, Non-binary	207	53%
	Asexual	248	42%
	Bisexual and/or Pansexual	629	50%
Sexual	Gay or Lesbian	690	54%
Orientation	Straight (Heterosexual)	11717	43%
	Queer	272	61%
	I am questioning/not sure of my sexuality	108	52%

	Demographics	Frequency	Weighted%
Transgender	Transgender	133	57%
Experience	Not Transgender	13731	44%
	<\$35K	1607	41%
	\$35-74,999K	3125	46%
Income	\$75-99,999K	1892	44%
	\$100-149,999K	2898	44%
	\$150K+	4013	45%
	Less than high school	142	40%
	High school or GED	815	39%
Educational	Trade/vocational school	360	42%
Attainment	Some college	1125	43%
	Associates Degree	1039	44%
	Bachelors Degree	4438	45%
	Graduate Degree	6377	47%
	Deaf/Hard of hearing	396	44%
Disability	Blind/Trouble seeing	103	46%
	Mental/physical disability ¹	1309	45%
English language	Speaks language other than English	2233	47%

	Demographics	Frequency	Weighted %
	Barnstable	264	37%
	Berkshire	227	34%
	Bristol	726	41%
	Dukes	75	63%
	Essex	1460	47%
	Franklin	416	37%
Country	Hampden	865	42%
County	Hampshire	533	40%
	Middlesex	4075	46%
	Nantucket	32	37%
	Norfolk	1579	42%
	Plymouth	643	37%
	Suffolk	1916	59%
	Worcester	1474	38%

Preliminary analysis. Statistical significance testing forthcoming.

¹More granular disability definition forthcoming.



HEALTH CARE ACCESS & DELAYS

% Who have not gotten the medical care that they needed since July 2020

	Demographics	Frequency	Weighted %
	Overall	4326	17%
	American Indian/Alaska Native	71	30%
	Hispanic/Latinx	252	15%
_	Multiracial, Non- Hispanic	84	26%
Race/	Asian, Non-Hispanic	118	16%
Ethnicity	Black, Non-Hispanic	140	20%
	White, Non-Hispanic	3548	17%
	Other Race, Non- Hispanic	42	17%
	Unknown Race	71	30%
	25-34	908	23%
	35-44	1148	19%
Age	45-64	1764	17%
	65+	506	12%
	Male	682	15%
Gender	Female	3424	17%
Identity	Questioning, Undecided, Non-binary	109	40%
	Asexual	70	15%
	Bisexual and/or Pansexual	291	30%
Sexual	Gay or Lesbian	186	18%
Orientation	Straight (Heterosexual)	3378	16%
	Queer	113	34%
	I am questioning/not sure of my sexuality	42	31%

	Demographics	Frequency	Weighted%	
Transgender	Transgender	64	34%	
Experience	Not Transgender	4064	17%	
	<\$35K	631	20%	
	\$35-74,999K	978	18%	
Income	\$75-99,999K	602	17%	
	\$100-149,999K	798	15%	
	\$150K+	1057	15%	
	Less than high school	41	16%	
	High school or GED	220	13%	
Educational	Trade/vocational school	121	19%	
Attainment	Some college	378	19%	
	Associates Degree	319	18%	
	Bachelors Degree	1382	18%	
	Graduate Degree	1859	17%	
	Deaf/Hard of hearing	155	18%	
Disability	Blind/Trouble seeing	57	34%	
	Mental/physical disability¹	Not available	Not available	
English language	Speaks language 584 16%			

	Demographics	Frequency	Weighted %
	Barnstable	128	21%
	Berkshire	72	12%
	Bristol	206	15%
	Dukes	22	24%
	Essex	342	15%
	Franklin	150	20%
C	Hampden	267	17%
County	Hampshire	167	18%
	Middlesex	1304	19%
	Nantucket	9	12%
	Norfolk	407	13%
	Plymouth	246	18%
	Suffolk	508	19%
	Worcester	489	16%

Preliminary analysis. Statistical significance testing forthcoming.

¹More granular disability definition forthcoming.

% 15 or more Poor Mental Health Days in past 30 Days

	Demographics	Frequency	Weighted %
	Overall	8973	33%
	American Indian/Alaska Native	113	38%
	Hispanic/Latinx	654	35%
	Multiracial, Non- Hispanic	165	49%
Race/	Asian, Non-Hispanic	221	25%
Ethnicity	Black, Non-Hispanic	285	32%
	White, Non-Hispanic	7346	33%
	Other Race, Non- Hispanic	91	29%
	Unknown Race	98	40%
	25-34	1999	43%
	35-44	2772	41%
Age	45-64	3466	31%
	65+	736	20%
	Male	1333	26%
Gender	Female	7264	34%
Identity	Questioning, Undecided, Non- binary	221	68%
	Asexual	202	39%
	Bisexual and/or Pansexual	580	55%
Sexual	Gay or Lesbian	439	41%
Orientation	Straight (Heterosexual)	6994	31%
	Queer	246	59%
	I am questioning/not sure of my sexuality	100	58%

	Demographics	Frequency	Weighted%			
Transgender	Transgender	134	62%			
Experience	Not Transgender	8480	33%			
	<\$35K	1312	42%			
	\$35-74,999K	2163	35%			
Income	\$75-99,999K	1302	33%			
	\$100-149,999K	1792	31%			
	\$150K+	1998	26%			
	Less than high school	104	36%			
	High school or GED	543	32%			
Educational	Trade/vocational school	245	33%			
Attainment	Some college	859	38%			
	Associates Degree	686	35%			
	Bachelors Degree	2884	32%			
	Graduate Degree	3646	29%			
	Deaf/Hard of hearing	237	34%			
Disability	Blind/Trouble seeing	83	49%			
	Mental/physical disability ¹	1393	55%			
English language	Speaks language other than English	1279	34%			

	Demographics	Frequency	Weighted %
	Barnstable	199	29%
	Berkshire	199	36%
	Bristol	451	31%
	Dukes	30	24%
	Essex	886	33%
	Franklin	304	35%
Country	Hampden	671	37%
County	Hampshire	397	38%
	Middlesex	2423	33%
	Nantucket	12	17%
	Norfolk	929	30%
	Plymouth	493	35%
	Suffolk	966	35%
	Worcester	987	31%

Preliminary analysis. Statistical significance testing forthcoming.

¹More granular disability definition forthcoming.



DETERMINANTS OF HEALTH

% Worried about paying for 1 or more types* of expense or bills in the coming few weeks

	Demographics	Frequency	Weighted%		Demographics	Frequency	Weighted%
		44670	4.40/	Transgender	Transgender	131	61%
	Overall	11679	44%	Experience	Not Transgender	11044	43%
	American Indian/Alaska	180 62%			<\$35K	2318	67%
	Native				\$35-74,999K	3393	52%
	Hispanic/Latinx	1386	70%	Income	\$75-99,999K	1659	41%
	Multiracial, Non-	213	61%		\$100-149,999K	2067	35%
Race/	Hispanic				\$150K+	1618	21%
Ethnicity	Asian, Non-Hispanic	413	48%		Less than high		
Lumberty	Black, Non-Hispanic	652	69%		school	245	71%
	White, Non-Hispanic	8538	38%		High school or GED	1044	50%
	Other Race, Non-	139	55%	Educational	Trade/ vocational		
	Hispanic	133	3370		school	442	51%
	Unknown Race	158 56%		Attainment	Some college	1382	53%
	25-34	2585	57%		Associates Degree	1094	47%
A = 0	35-44	3358	52%		Bachelors Degree	3708	38%
Age	45-64	4814	44%		Graduate Degree	3745	28%
	65+	922	25%		Deaf/Hard of		
	Male	1975	40%		hearing	307	39%
Gender	Female	9265	44%	Disability	Blind/Trouble		
Identity	Questioning,	200	CEO/	Disability	seeing	126	68%
	Undecided, Non-binary	209	65%		Mental/physical		
	Asexual	290	52%		disability ¹	1047	61%
	Bisexual and/or	567	55%	English	Speaks language		
	Pansexual	567	55%	language	other than English	1788	64%
Sexual	Gay or Lesbian	462	44%				
Orientation	Straight (Heterosexual)	9297	42%		alvoia Statistical significance to		

55%

58%

214

98

Queer

I am questioning/not

sure of my sexuality

Ρ	reliminary	ana	lysis	. Sta	tis	tic	al	Si	gnifi	cance	testing	g forthcomi:	ng.

¹More granular disability definition forthcoming.

Note: results are only weighted to the state average, and as such should be interpreted with caution when comparing across smaller geographies or special populations

	Demographics	Frequency	Weighted %
	Barnstable	151	40%
	Berkshire	174	52%
	Bristol	409	43%
	Dukes	23	50%
	Essex	821	50%
	Franklin	216	42%
Country	Hampden	647	53%
County	Hampshire	249	43%
	Middlesex	1485	37%
	Nantucket	23	38%
	Norfolk	729	39%
	Plymouth	436	50%
	Suffolk	878	51%
	Worcester	774	39%
	·	·	

* Types of expenses include:

- Housing (Rent, mortgage, property taxes, condo fees, housing insurance)
- Utilities: Cable, cell, electricity, water, gas, heating
- Debt: Credit card debt, student loan debt, bank fees
- School tuition / Daycare cost
- Vehicle: Lease, car loan payment, car insurance
- Insurance: Health insurance, disability insurance, life insurance
- Others

% Worried about getting food or groceries in the coming weeks

	Demographics	Frequency	Weighted %
	Overall	6784	28%
	American Indian/Alaska Native	118	45%
	Hispanic/Latinx	891	49%
	Multiracial, Non- Hispanic	116	38%
Race/	Asian, Non-Hispanic	263	32%
Ethnicity	Black, Non-Hispanic	361	41%
	White, Non-Hispanic	4867	24%
	Other Race, Non- Hispanic	85	33%
	Unknown Race	83	34%
	25-34	1215	31%
	35-44	1844	31%
Age	45-64	2892	28%
	65+	833	22%
	Male	1231	25%
Gender	Female	5311	28%
Identity	Questioning, Undecided, Non-binary	102	34%
	Asexual	186	36%
Sexual Orientation	Bisexual and/or Pansexual	275	31%
	Gay or Lesbian	245	26%
	Straight (Heterosexual)	5445	27%
	Queer	99	26%
	I am questioning/not sure of my sexuality	48	32%

	Demographics	Frequency	Weighted%
Transgender	Transgender	68	37%
Experience	Not Transgender	6405	27%
	<\$35K	1566	48%
	\$35-74,999K	1840	31%
Income	\$75-99,999K	829	23%
	\$100-149,999K	1025	19%
	\$150K+	1013	13%
	Less than high school	191	56%
	High school or GED	760	37%
Falssational	Trade/ vocational		
Educational	school	308	37%
Attainment	Some college	890	35%
	Associates Degree	694	31%
	Bachelors Degree	2050	21%
	Graduate Degree	1877	14%
	Deaf/Hard of		
	hearing	243	34%
Disability	Blind/Trouble		
Disability	seeing	103	53%
	Mental/physical disability¹	1159	46%
English	Speaks language		
language	other than English	1582	44%

	Demographics	Frequency	Weighted %
	Barnstable	164	30%
	Berkshire	165	32%
	Bristol	440	30%
	Dukes	33	35%
	Essex	763	34%
	Franklin	217	27%
Country	Hampden	632	37%
County	Hampshire	211	20%
	Middlesex	1458	22%
	Nantucket	18	25%
	Norfolk	666	23%
	Plymouth	393	29%
	Suffolk	762	32%
	Worcester	844	26%

Preliminary analysis. Statistical significance testing forthcoming.

¹More granular disability definition forthcoming.

% Worried about getting <u>face masks</u> in the coming weeks

	Demographics	Frequency	Weighted %
	Overall	3787	14%
	American Indian/Alaska Native	70	24%
	Hispanic/Latinx	512	26%
	Multiracial, Non- Hispanic	83	24%
Race/	Asian, Non-Hispanic	216	24%
Ethnicity	Black, Non-Hispanic	250	27%
	White, Non-Hispanic	2550	12%
	Other Race, Non- Hispanic	50	20%
	Unknown Race	56	20%
	25-34	774	18%
	35-44	975	16%
Age	45-64	1586	15%
	65+	452	11%
	Male	695	13%
Gender	Female	2951	15%
Identity	Questioning, Undecided, Non-binary	58	18%
	Asexual	105	20%
Sexual Orientation	Bisexual and/or Pansexual	161	15%
	Gay or Lesbian	151	14%
	Straight (Heterosexual)	3004	14%
	Queer	53	12%
	I am questioning/not sure of my sexuality	32	21%

	Demographics	Frequency	Weighted%
Transgender	Transgender	36	16%
Experience	Not Transgender	3557	14%
	<\$35K	810	25%
	\$35-74,999K	1014	16%
Income	\$75-99,999K	514	13%
	\$100-149,999K	587	10%
	\$150K+	591	7%
	Less than high school	108	31%
	High school or GED	342	17%
Educational	Trade/ vocational		
Attainment	school	147	17%
Attainment	Some college	430	17%
	Associates Degree	385	17%
	Bachelors Degree	1116	11%
	Graduate Degree	1247	9%
	Deaf/Hard of		
	hearing	138	19%
Disability	Blind/Trouble		
Disability	seeing	57	31%
	Mental/physical disability¹	640	25%
English	Speaks language		
language	other than English	1017	26%

	Demographics	Frequency	Weighted %
	Barnstable	79	14%
	Berkshire	76	13%
	Bristol	224	14%
	Dukes	12	11%
	Essex	394	16%
	Franklin	94	10%
	Hampden	349	19%
County	Hampshire	114	10%
	Middlesex	900	13%
	Nantucket	8	7%
	Norfolk	387	13%
	Plymouth	211	15%
	Suffolk	515	19%
	Worcester	414	13%

Preliminary analysis. Statistical significance testing forthcoming.

¹More granular disability definition forthcoming

% Worried about getting medication in the coming weeks

	Demographics	Frequency	Weighted %
	Overall	3535	14%
	American Indian/Alaska Native	69	25%
	Hispanic/Latinx	424	22%
	Multiracial, Non- Hispanic	72	21%
Race/	Asian, Non-Hispanic	140	15%
Ethnicity	Black, Non-Hispanic	136	14%
	White, Non-Hispanic	2605	12%
	Other Race, Non- Hispanic	40	13%
	Unknown Race	49	20%
	25-34	640	15%
	35-44	901	14%
Age	45-64	1556	14%
	65+	438	11%
	Male	670	13%
Gender	Female	2707	13%
Identity	Questioning, Undecided, Non-binary	75	23%
	Asexual	90	17%
Sexual Orientation	Bisexual and/or Pansexual	184	19%
	Gay or Lesbian	147	15%
	Straight (Heterosexual)	2791	13%
	Queer	72	19%
	I am questioning/not sure of my sexuality	30	17%

	Demographics	Frequency	Weighted%
Transgender	Transgender	61	30%
Experience	Not Transgender	3308	13%
	<\$35K	715	22%
	\$35-74,999K	927	15%
Income	\$75-99,999K	469	12%
	\$100-149,999K	561	10%
	\$150K+	619	8%
	Less than high school	90	27%
	High school or GED	322	16%
Falmational	Trade/ vocational		
Educational Attainment	school	153	18%
Attainment	Some college	424	16%
	Associates Degree	329	15%
	Bachelors Degree	1077	11%
	Graduate Degree	1131	9%
	Deaf/Hard of		
	hearing	136	20%
Disability	Blind/Trouble		
Disability	seeing	66	35%
	Mental/physical		
	disability ¹	744	28%
English	Speaks language		
language	other than English	761	20%

	Demographics	Frequency	Weighted%
	Barnstable	80	12%
	Berkshire	90	17%
	Bristol	221	15%
	Dukes	16	16%
	Essex	345	14%
	Franklin	104	13%
C	Hampden	357	20%
County	Hampshire	124	11%
	Middlesex	848	12%
	Nantucket	12	13%
	Norfolk	349	12%
	Plymouth	218	14%
	Suffolk	378	15%
	Worcester	385	11%

Preliminary analysis. Statistical significance testing forthcoming.

¹More granular disability definition forthcoming.

% Worried about getting <u>broadband(internet)</u> in the coming weeks

	Demographics	Frequency	Weighted %
	Overall	3434	13%
	American Indian/Alaska Native	75	25%
	Hispanic/Latinx	471	24%
	Multiracial, Non- Hispanic	73	22%
Race/	Asian, Non-Hispanic	143	16%
Ethnicity	Black, Non-Hispanic	198	21%
	White, Non-Hispanic	2384	11%
	Other Race, Non- Hispanic	47	19%
	Unknown Race	43	16%
	25-34	580	14%
	35-44	904	15%
Age	45-64	1502	14%
	65+	448	10%
	Male	589	12%
Gender	Female	2711	13%
Identity	Questioning, Undecided, Non-binary	58	16%
	Asexual	93	16%
Sexual Orientation	Bisexual and/or Pansexual	140	16%
	Gay or Lesbian	128	12%
	Straight (Heterosexual)	2739	13%
	Queer	52	12%
	I am questioning/not sure of my sexuality	27	17%

	Demographics	Frequency	Weighted%
Transgender	Transgender	41	18%
Experience	Not Transgender	3217	13%
	<\$35K	738	23%
	\$35-74,999K	941	15%
Income	\$75-99,999K	460	12%
	\$100-149,999K	558	9%
	\$150K+	512	6%
	Less than high school	76	21%
	High school or GED	326	16%
Falssational	Trade/ vocational		
Educational	school	148	17%
Attainment	Some college	417	16%
	Associates Degree	339	15%
	Bachelors Degree	1024	10%
	Graduate Degree	1097	8%
	Deaf/Hard of		
	hearing	161	21%
Disability	Blind/Trouble		
Disability	seeing	48	27%
	Mental/physical disability¹	584	23%
English	Speaks language		
language	other than English	871	22%

	Demographics	Frequency	Weighted %
	Barnstable	81	12%
	Berkshire	113	21%
	Bristol	203	13%
	Dukes	13	8%
	Essex	374	15%
	Franklin	122	13%
0	Hampden	355	18%
County	Hampshire	137	13%
	Middlesex	710	11%
	Nantucket	7	10%
	Norfolk	292	10%
	Plymouth	178	12%
	Suffolk	409	16%
	Worcester	427	13%
	Nantucket Norfolk Plymouth Suffolk	7 292 178 409	10% 10% 12% 16%

Preliminary analysis. Statistical significance testing forthcoming.

¹More granular disability definition forthcoming.



Massachusetts Department of Public Health

Next Meeting: March 10, 2021