

2023 VIRTUAL ANNUAL CONFERENCE & MEETING

BEYOND BUZZWORDS: ACTION FOR EQUITY

DATA IN ACTION PANELISTS



ASSOC. COMMISSIONER FOR HEALTH EQUITY
MA DEPT. OF PUBLIC HEALTH



AMIE SHEI, PH.D.

PRESIDENT & CEO
HEALTH FOUNDATION OF CENTRAL MA



SARITA HUDSON, MTS

DIRECTOR OF PROGRAMS & DEVELOPMENT
PUBLIC HEALTH INSTITUTE OF WESTERN MA



Massachusetts Department of Public Health

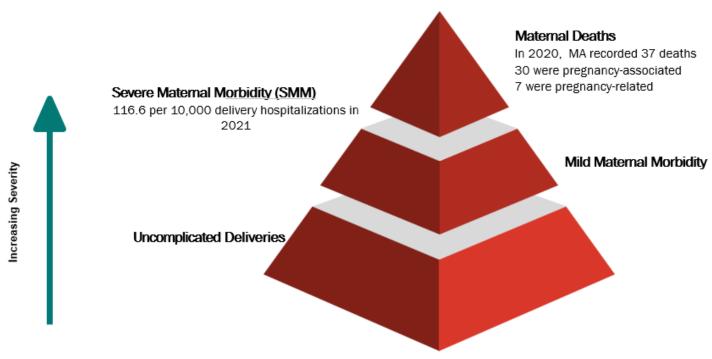
Maternal Mortality and Severe Maternal Morbidity: From Data to Action

Hafsatou Diop, MD, MPH

Director, Division of Maternal and Child Health Research and Analysis Massachusetts Department of Public Health

Massachusetts Public Health Association Annual Conference November 16, 2023

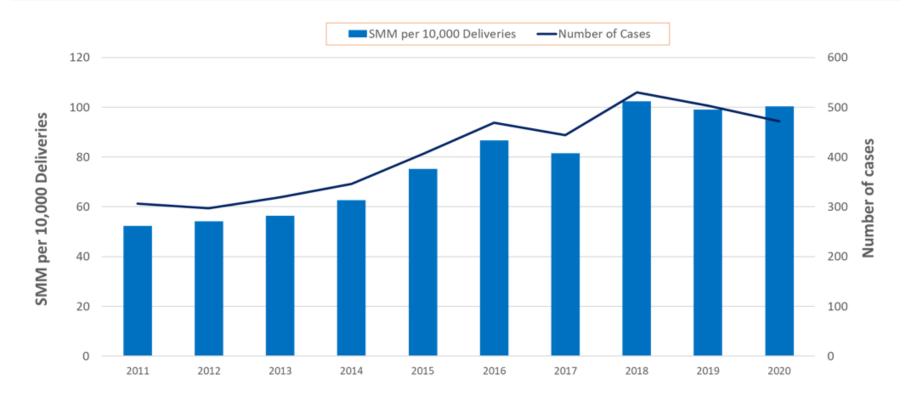
Spectrum of Maternal Morbidity in Massachusetts



Note: Pregnancy-associated death is defined as the death of person during pregnancy or within one year of the end of pregnancy regardless of the cause.

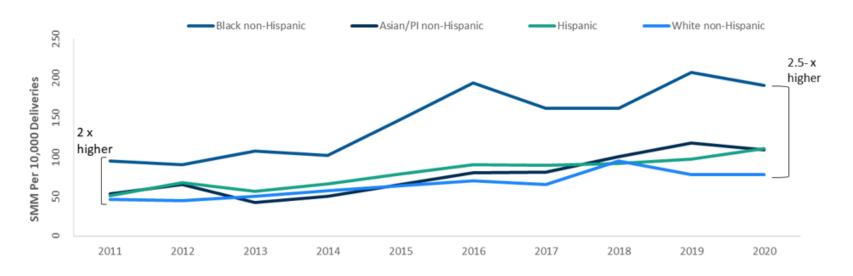
Pregnancy-related (maternal death) is the death of a person during pregnancy or within one year of the end pregnancy from a pregnancy complication, a chain of events initiated by pregnancy, or the aggravation of an unrelated condition from by the physiologic effect of pregnancy.

Severe Maternal Morbidity in Massachusetts: 2011-2020



Massachusetts Department of Public Health | mass.gov/dph

SMM by Race and Hispanic Ethnicity, MA: 2011-2020



Note: Rates for American Indian and Other non-Hispanic birthing people are not shown because these are based on a total of 39 events ranging from 1-4 for all years except for 2 where the counts were 6.

Data to Action: Legislative Act

- Racial Inequities in Maternal Health Commission was established by Chapter 348 of the Acts of 2020, An Act to reduce racial inequities in maternal health
- Commission was tasked with seeking out steps to address racial inequities in maternal health and provide guidance and advice to the Governor, the General Court and the Secretary of Health and Human Services relative to reducing racial inequities in maternal deaths and severe maternal morbidity
- Make comprehensive recommendations to reduce or eliminate racial inequities in maternal health

Data to Action: Direct Clinical Care

- Implemented remote blood pressure (BP) monitoring programs at Baystate Medical Center in Western MA using Babyscripts, and at Brigham and Women's Hospital in Boston using a Bluetooth-enabled BP monitor to improve awareness of obstetric warning signs for patients with hypertensive disorders of pregnancy in the postpartum period
- More than half of maternal deaths occur during the postpartum
- 35% of pregnancy-associated deaths with medical causes had documented hypertensive disorders, and Black non-Hispanic had the highest percentage of deaths due to a medical cause at 70.6% and the highest percent of documented hypertension on birth and death certificates at 47%.

Massachusetts Department of Public Health | mass.gov/dph

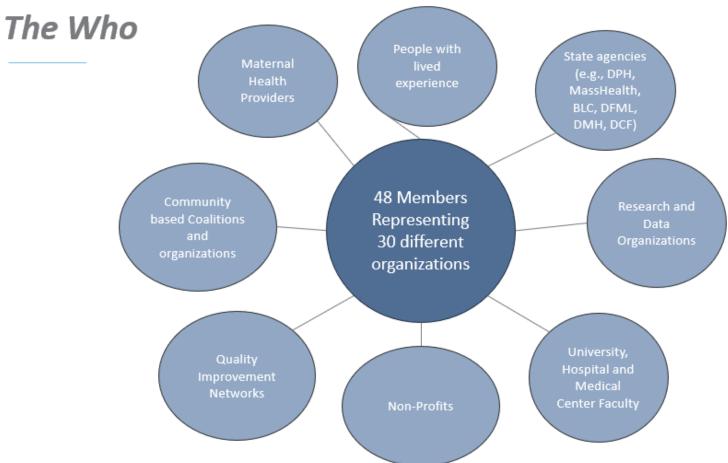
Data to Action: Perinatal Neonatal Quality Improvement Network (PNQIN)

- Implemented hypertension and hemorrhage bundles
- Launched Maternal Equity Bundle in October 2022 to reduce overall rates SMM and to close the Black-White gap in SMM
- DPH provided funding for the SPEAK UP against racism training offered by the Institute for Perinatal Quality Improvement; we have trained over 500 providers across 34 birthing hospitals to dismantle racism, provide respectful care that is equitable and high-quality, and eliminate perinatal health inequities.

Data to Action: Levels of Maternal Care

- Implement the Levels of Maternal Care using the CDC's Levels of Care Assessment Tool (LOCATe) and MA equity focused-questions
 - Does your hospital provide implicit bias and anti-racism training for physicians, nurses, and staff?
 - Does your hospital provide education on peripartum racial and ethnic disparities?
 - Does your hospital have a dedicated system or process for patients and families, and/or for staff to report discrimination, racism, and bias; and addressing social determinants of health?
- Established and convened a multi-disciplinary Implementation Steering Committee including 40
 members representing 23 organizations to develop a plan to sustain the Level of Maternal Care
 model in MA

Massachusetts Maternal Health Task Force



2023 MPHA Annual Conference

Leveraging Data for Action in Addressing Drinking Water Inequities in Massachusetts

Amie Shei, Ph.D.

President and CEO, The Health Foundation of Central Massachusetts

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The Health Foundation of Central MA

- Health conversion foundation launched in 1999
- Mission: to improve the health of those who live or work in Central MA,
 with an emphasis on unmet needs and vulnerable populations



- 81 cities and towns Worcester County and some surrounding towns
- Range of urban & rural municipalities

Worcester: 207,000

Warwick: 780

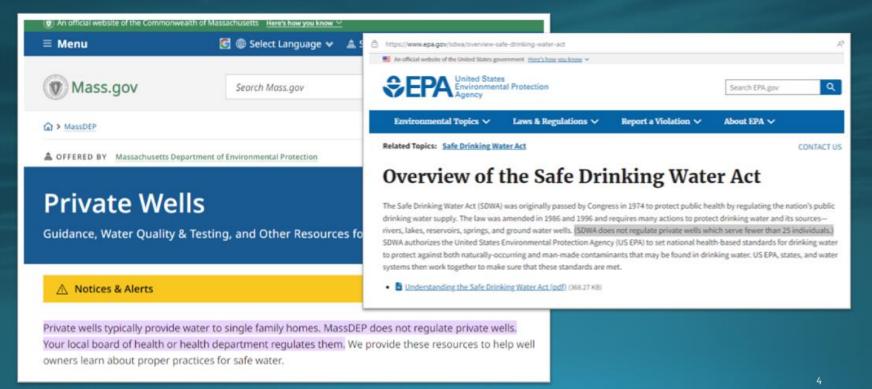
Private Wells Span the Commonwealth



- ~500,000 MA residents (~7%) rely on private wells
- 84 towns have ≥60% residents on private wells

Source: MassDEP

Yet, Private Wells Are Unregulated



Actual Drinking Water Sources

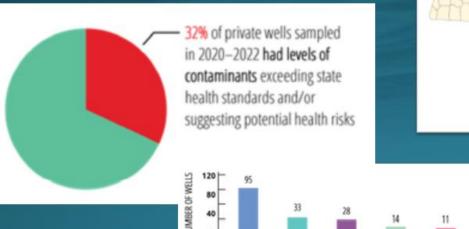


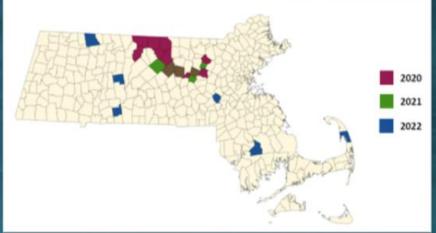
Photo credit: RCAP Solutions

RCAP Solutions Grant (2020-present)



502 private wells tested





Homeowner Surveys

- Participants in the RCAP Solutions project were invited to complete surveys conducted by Education Development Center
- Key findings:
 - The majority of households conduct well assessment and water testing infrequently and irregularly. Only 13% of homeowners reported testing well water annually for contaminants at the time of their RCAP well assessment.
 - Many are likely to make repairs when water tests reveal dangerous levels
 of contaminants. Nearly half indicated that they had paid for or would pay
 for well remediation after testing found contaminants.
 - A majority indicated statewide support for statewide private well regulations.

MassDEP PFAS Sampling Program

- Per MassDEP, PFAS exposures have been linked to a variety of health risks, particularly in people who are immune-compromised, women who are pregnant or nursing, and in infants
- 1,668 private wells were sampled under free program funded by Legislature from 2020-2022



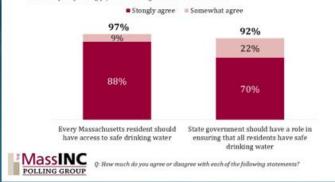
Statewide Poll Shows Strong Support

1,013 MA residents polled in August, 2023

Nearly all agree state has a role in water safety

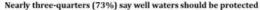
- · Nearly all residents agree that every residents should have access to safe drinking water (97%), and that the state should have a role in ensuring that (92%).
- Majorities across all demographic groups strongly agree with these statements.

Nearly all agree state has a role in ensuring all residents have safe drinking water % who say they strongly / somewhat agree with each statement

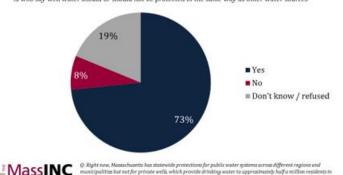


Support for protecting well water

· Nearly three-quarters (73%) think well water should be protected in the same way as other sources of drinking water.



% who say well water should or should not be protected in the same way as other water sources





Massachsaetts. Do you think that well water should be protected in the same way as other sources of drinking water

Poll results: https://www.massincpolling.com/the-topline/water-quality-poll

Proposed Legislation

- An Act Promoting Drinking Water Quality for All (S.482/H.902)
 - · Sponsored by Sen. Eldridge, Rep. Sena, and Rep. Pignatelli







- · Enable MassDEP to develop minimum statewide private well regulations
- Expand existing MassHousing Septic Repair Loan Program (SRLP) to include private well remediation for low-income homeowners
- Joint Committee on Environment and Natural Resources hearing held September 27, 2023



Everyone deserves safe drinking water

The Boston Globe (editorial) Oct. 15, 2023

> Private well owners stuck with costs to treat 'forever chemicals'

WBUR

Feb. 15, 2023

Mass. could require testing private well water with real estate transfers

Worcester Telegram & Gazette

Sept. 20, 2023

Addressing the drinking water gap in Mass.

CommonWealth Beacon (opinion) April 2, 2022

Cambridge water issues highlight urban, rural inequities

The Boston Globe (Letter to Editor) Nov. 24, 2022

Bill introduced to regulate private water wells in Massachusetts

Spectrum News 1 Jan. 31, 2023

Mass. plaqued by regional inequities

CommonWealth Beacon (opinion)

Dec. 5, 2022

Poll cited in push for private well water protections

WWLP Sept. 20, 2023 What's @ Risk radio show / podcast episode re: drinking water safety and health equity

WB7 NewsRadio Oct. 15, 2023

Continuing to Build Momentum

www.whatsinyourwellwater.com



ABOUT - THE PROBLEM THE SOLUTION PROPOSED LEGISLATION - RESOURCES FOR HOMEOWNERS - FAO BLOG

JOIN THE COALITION & STAY INVOLVED

IT'S TIME TO PROMOTE EQUITABLE ACCESS TO SAFE, CLEAN DRINKING WATER ACROSS MASSACHUSETTS

Unlike with public water systems, there are currently no statewide protections to ensure private well water is safe from contaminants like PFAS, arsenic, radon, and more. You can make a difference in ensuring all Massachusetts residents have safe water to drink!

LEARN MORE





Healthy Air Network: Data to Action

MPHA November 16, 2023



























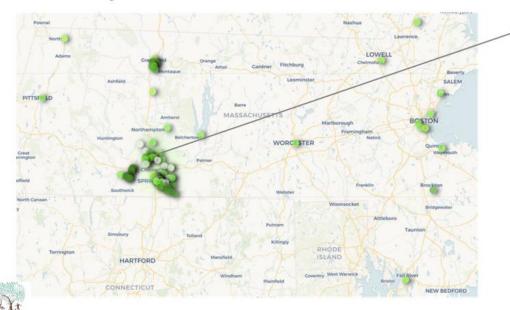
HealthyAirNetwork.org

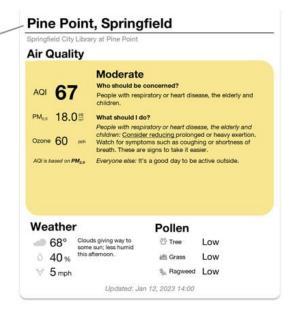


Local Air Quality Why air quality? Advocacy Host an Air Monitor Resources Photos About Contact

Explore Air Quality Across Massachusetts

Each circle on the map shows an air monitor located in the Healthy Air Network. The color will change based on measured air quality. You can click on each circle for more information about the monitoring site and what precautions to consider – if any. The grey moving lines show the current wind conditions.







Collaborative Partners

Organizations

- Public Health Institute of Western MA
- Yale University
- City of Springfield
- · City of Holyoke
- · ReGreen Springfield
- Hitchcock Center for the Environment
- WRAFT-Westfield Resident Advocating for Themselves
- Earthwatch
- US Forest Service
- Pioneer Valley Asthma Coalition
- · Live Well Springfield
- Massachusetts Asthma Action Partnership

Western MA Resident Advisory Board

- Residents from Springfield, Holyoke, Chicopee, Westfield
- Recruited from climate, healthcare, community groups



Why we're involved

- "Because of my son who has asthma, and because I now have asthma too"
- "To bring community voice in science decisions."
- "Air is life. If you don't breathe you die, and you need to focus on the environment."
- "To use this healthy air quality mapping tool as evidence for policies."





Capacity Building

- Health Equity
- · Policy Advocacy
- · Environmental Justice
- Water Quality
- Data to Action









Community Outreach

 Demonstration of Air Sensor/ DIY Air Purifier









Tracking Air Pollution Episodes

· Reduced air quality from wildfires!

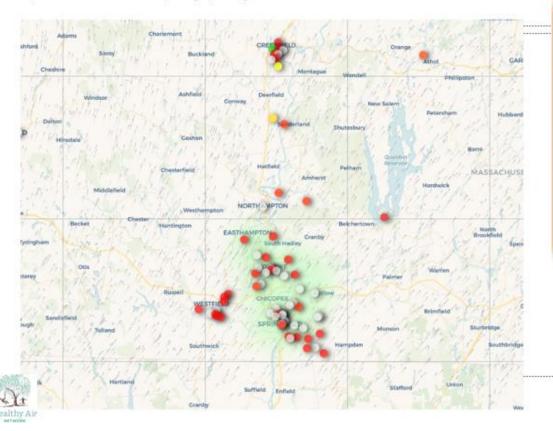






Explore Air Quality in Western Massachusetts

Each circle on the map shows an air monitor located in the Healthy Air Network. The color will change based o measured air quality. You can click on each circle for more information about the monitoring site and what precautions to consider – if any. The grey moving lines show the current wind conditions.



Rock Valley, Holyoke

Holyoke 157465

Air Quality

AQI 104

PM25 42.3 =pm1

Ozone N/A

Unhealthy Sensitive

Who should be concerned? Sensitive groups: people with heart or lung disease, older adults, children and teenagers.

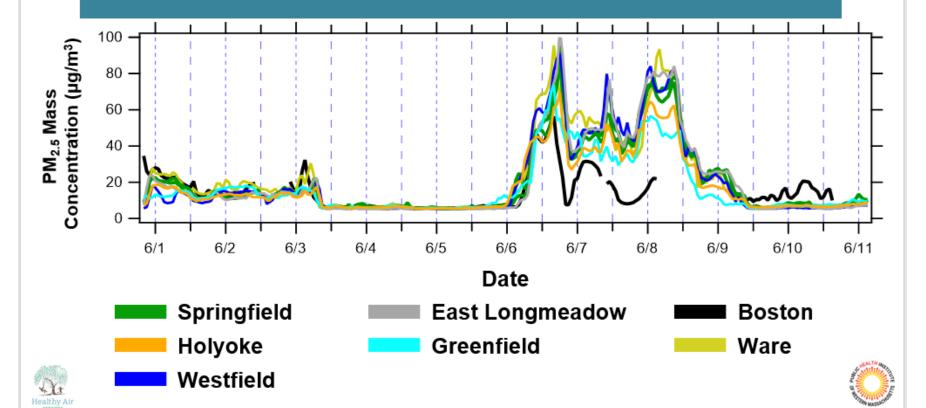
What should I do?

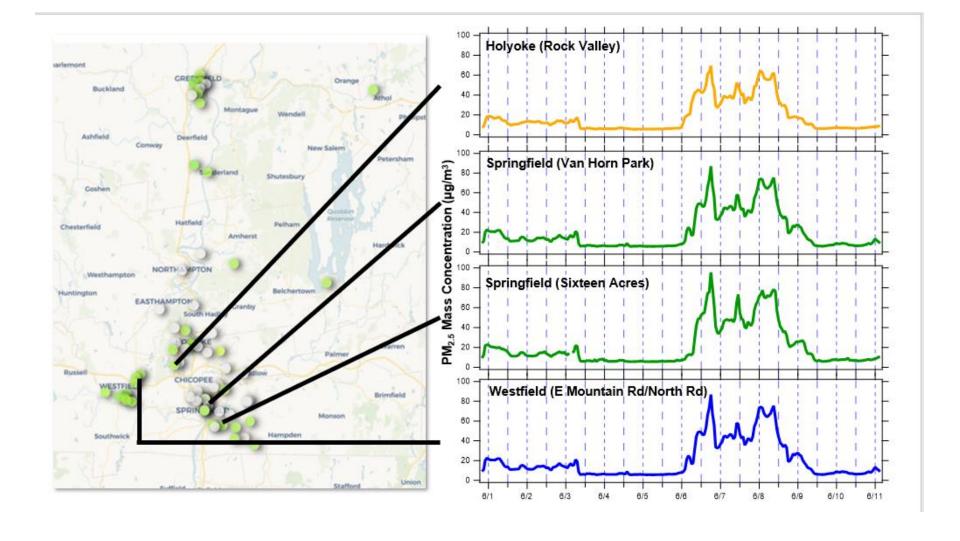
Sensitive groups. Reduce prolonged or heavy exertion. It's OK to be active outside but take more breaks and do less intense activities. Wistor for symptoms such as coughing or shortness of breath. If you have astirms. Follow your astirms action plans and keep quick relief medicine handy, if you have heart disease. Symptoms such as palpitations, shortness of breath, or unusual fatigue may indicate a serious problem. If you have any of these, confact your heath care provider.

Weather		Pollen	
Temperature	58.3°F	A Trees	High
m Precipitation %	7%		Moderate



Wildfires Caused Poor Air Quality Across MA





Data to Action: Wildfire Response

- City of Northampton issues press release
- School district asks about school activities
- Parents reach out about sports activities

DIY AIR CLEANER



Improve the Air Quality in Your Home



FAQ

- Before attaching the filter, check the filter direction and make sure it is pointing to the fan.
- Place fan in the middle of a room, away drapes & sources of dust.
- It can take 10-15 minutes to clean the air in a small room.
- In a large room, keep the filter closer to you.
- It costs only a few cents per hour in electricity.
- Replace the filter every 90 days or when it looks dirty.
- Turn off the fan periodically to prevent overheating.
- Don't leave it unattended or on overnight.

Because Air Pollutants Harm Your Health.

Cooking, lighting candles, burning fuels, construction, and other common activities both in and outside the home can pollute the air with fine particulate matter. These particles are very small and may float in the air for a long time. Once inhaled, they can move from the lungs into the bloodstream, impacting other organs in the body. Poor air quality can worsen the health of people with asthma, allergies, heart disease, and other illnesses.

THIS IS A PROJECT OF THE HEALTHY AIR NETWORK.
VISIT HEALTHYAIRNETWORK.ORG TO LEARN MORE.



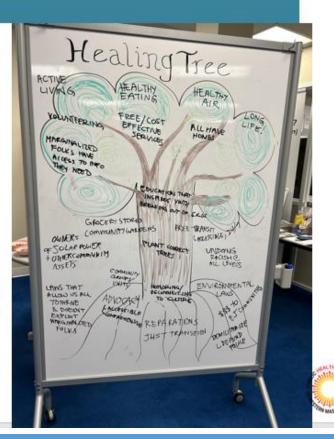


What makes air quality better?

Understanding the root causes can help us create better solutions.

Examples:

- Urban Forestry to address Heat Islands
- Improved Public Transit to decrease emissions
- Energy Efficiency and Clean Energy to reduce emissions from home heating





Healthyairnetwork.org

Contact:
Public Health Institute of Western MA

Francheska Bermudez, Project Coordinator fbermudez@publichealthwm.org

Sarita Hudson, Senior Director of Strategy & Development, shudson@publichealthwm.org





