ANNUAL REPORT 2023
THE FLINT REGISTRY IS FOR PEOPLE WHO WERE IMPACTED BY THE FLINT WATER CRISIS AND WANT TO BE PART OF SOMETHING BIGGER. THE FLINT REGISTRY IS A PROJECT THAT CONNECTS PEOPLE TO SERVICES AND PROGRAMS TO PROMOTE HEALTH AND WELLNESS AND HELPS UNDERSTAND HOW THE FLINT WATER CRISIS HAS AFFECTED THE FLINT COMMUNITY.
Dear Flint Registry Members, Partners, and Friends,

It has been almost ten years since the Flint water crisis began in April of 2014. In this year’s annual report, we reflect on the work of the Flint Registry to support recovery from the water crisis. We share the stories of those who have participated and how those stories have impacted other communities around the country. We also present data on the top health concerns affecting families and how the Flint Registry is improving the health of the Flint community.

In the first six years of serving the Flint community, the Flint Registry has touched thousands of lives. This kind of effort and impact is only possible thanks to our many partners and supporters. We would like to thank our community partners, service agencies, expert advisors, volunteers, and especially the Flint Registry staff who have worked diligently on this effort, serving individuals and families.

Finally, we especially thank our most vital partners — the participants of the Flint Registry. You helped build a tangible resource that serves people and families.

We hope this report provides an overview of the work we’re doing together and shows a glimpse of a brighter, better future for Flint and beyond.

Mona Hanna-Attisha, MD MPH
Principal Investigator, Flint Registry

Nicole Jones, PhD
Principal Investigator, Flint Registry
The History of the Flint Registry

LOOKING BACK, MOVING FORWARD

On April 25, 2014, Flint’s drinking water source was changed from the pretreated Great Lakes water to locally treated Flint River water. Due to a lack of proper corrosion control treatment, Flint residents were exposed to lead-contaminated water. Lead is a neurotoxin that can impact all systems of the body and lead to health problems. To respond to this emergency and prepare for the potential long-term health and child development consequences of the water crisis, local partners in the Flint community came up with the idea of a registry for people exposed to the crisis. The idea was recommended to the Emergency Operating Center during the federal declaration of emergency, and the governor-appointed Flint Water Advisory Task Force also recommended the creation of a “toxic registry.” In 2017, a planning grant from the Michigan Department of Health and Human Services (MDHHS) was awarded to the Flint-based Michigan State University and Hurley Children’s Hospital Pediatric Public Health Initiative (PPHI) to aid in the development of a registry. By December 2016, Congress funded a four-year grant (2017-2021) to Centers for Disease Control and Prevention (CDC) for the creation of a
Flint Lead Exposure Registry as part of the Water Infrastructure Improvements for the Nation Act (WIIN Act) that also included support for Flint’s pipe replacement work. In response to the Notice of Funding Opportunity, Michigan State University, in partnership with several community partners, successfully applied for and received the Flint Registry grant, which officially began in August 2017. In August of 2022, an additional five years of funding was received.

The Flint Registry is a public health authority built by the Flint community for all who were impacted by the water crisis and want to be part of something bigger. The Flint Registry’s main goal is to serve as a resource for the Flint community and support and refer residents to services that reduce the impact of lead on their health. The Flint Registry continues to work to reach as many residents as possible to further learn about how the water crisis has impacted their health and to emphasize that all who were impacted matter. Not only does the Registry exist to serve as a bridge to resources, but it also wishes to extend opportunities to those impacted by the crisis to share their stories and have their voices be heard.

As a CDC-designated public health authority, the Registry works to improve the health and development of participants by connecting those individuals to support services.

In the first six years of funding, the Flint Registry established itself as a critical program, meeting the needs of the Flint community. The Registry is continually evolving and growing to tackle ongoing public health challenges and to prioritize our mission to connect, support, and count those impacted by the water crisis. This year’s annual report summarizes the activities over the first six years of funding and shares our plans for future work.

**FLINT REGISTRY TEAM**

Under the leadership of Principal Investigators Dr. Mona Hanna-Attisha and Dr. Nicole Jones, the Flint Registry is based at Michigan State University College of Human Medicine’s Charles Stewart Mott Department of Public Health in downtown Flint. The Flint Registry employs and supports a passionate team of individuals, including interviewers, referral staff, data managers, and community outreach staff. The majority of the Flint Registry team were personally impacted by the Flint water crisis.
GET CONNECTED
The Flint Registry and Community

The Flint Registry connects members to critical public health resources, information, and opportunities. Multiple modes of communication are utilized as preferred methods vary from person to person. Members receive quarterly newsletters by email and text, and additional news and updates can be found on the Flint Registry’s website and social media channels (@flintregistry). These means of communication are paired with in-person events to maintain a consistent presence, accessibility, and community connection.

COMMUNITY VOICE: IN FLINT, BY FLINT, FOR FLINT

Members of the Flint Registry are part of a community-wide partnership to improve public health after the water crisis. The Flint Registry was designed, built, and implemented with a goal to include and elevate community voices. At the center of this work is the Flint Registry Community and Partner Advisory Board (CAB), which is co-chaired by Dr. Lawrence Reynolds and Dr. Kenyetta Dotson. The CAB was established in 2018 to promote communication, increase community awareness, and coordinate activities to benefit those served by the Flint Registry. Flint Registry CAB members represent fifteen key sectors of the Flint Community: faith, workforce development, seniors, education, academia, organized labor, non-profit, government, philanthropy, media, health care, behavioral health, parents, youth, and law enforcement. CAB members continue to meet regularly to provide guidance and feedback on all aspects of the Flint Registry, including implementation, outreach, marketing, and dissemination.

COMMUNITY VOICE AND THE FLINT REGISTRY

- Flint Registry Community and Partner Advisory Board
- Parent Partners
- Flint Youth Justice League
- Community Events
- Community Ambassadors
- Community Ethics Review Board
- Community Focus Groups
- Pre-enrollment Survey
- Director of Community Implementation and Engagement
From the beginning, the Flint Registry has been driven by community voices. A decade after the water switch, these voices will continue to guide and light the path forward for Flint.

**FLINT REGISTRY OUTREACH ACTIVITIES**

By hosting gatherings, participating in events, and partnering with local initiatives, the Flint Registry focuses on engaging and connecting with the community where they live, work and play.

Community outreach is an important aspect of keeping Flint Registry members informed, connected, and engaged in the long-term effort of improving public health.

In 2023, the Flint Registry team continued to be active in neighborhood meetings, service and clean-up days, clothing drives, resource and health fairs, and community discussions. The Registry brought leaders and experts together for virtual and in-person summits and resourcing moments. The Flint Registry hosted a “Be in the Know” series, an annual Men’s Health Summit, an inter-generational summit, and mental health webinars. These events provided opportunities to share health data collected by the Flint Registry.
New this year, the Flint Registry helped organize a garden pop-up initiative in Flint community schools. Throughout June, the Flint Registry visited six elementary schools to engage with 700 children and families. In partnership with the Crim Fitness Foundation and Food Corps, this project provided hands-on health, nutrition, and gardening education. Students were shown how to make food using fresh garden ingredients that they planted, create art outdoors, and practice mindfulness exercises.

The summer of 2023 was also filled with community connections, including the Unity March, Juneteenth Activities, Pride Festival, and Mott Fest, also reaching hundreds of individuals impacted by the Flint water crisis.

I ENJOY THE FACT THAT FLINT REGISTRY DOES A LOT ALTOGETHER FOR THE COMMUNITY.

– VICTORIA B.

(Clockwise) Annual Flint Teddy Bear Picnic with MSU College of Human Medicine; School Garden pop-ups at Flint elementary schools with Crim Foundation and Food Corp; Flint Registry interns volunteering at a park beautification.
GET COUNTED
Every Person, Every Story is Important

The Flint Registry continues to learn about health concerns in people impacted by the water crisis. As of July 31, 2023, there were 21,492 Flint Registry members. Each member completes a detailed health survey when they enroll.

Visit the Flint Registry website for more information about who is part of the project.

FLINT REGISTRY FAMILIES REPORT FACING ECONOMIC STRESS

Many Flint Registry adults said that they would be able to sustain their standard of living for less than one month if they lost all sources of income, that they worry about running out of food, and that they have run out of food without have any money to get more.

Economic stress for Flint Registry adults.

How long could you continue to live at your current address and standard of living if you lost all your current source(s) of household income (paycheck, public assistance, or other forms of income)?

In the past 12 months, were you worried you would run out of food before you got money to buy more?

In the past 12 months, did the food you bought run out and you did not have any money to get more?
Many adults with children also report difficulties in covering the basics like food and housing.

Since your child was born, how often was it very hard to cover the basics like food and housing?

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Never</td>
<td>16.3%</td>
</tr>
<tr>
<td>Very often</td>
<td>11.1%</td>
</tr>
<tr>
<td>Rarely</td>
<td>37.9%</td>
</tr>
<tr>
<td>Somewhat often</td>
<td>34.7%</td>
</tr>
</tbody>
</table>

Flint Registry children need greater access to food. Only one third of adults with children report that they can always afford to eat good, nutritious meals.

10% of Flint Registry members have concerns about their health.

Over a third of Flint Registry adults rate their mental health as fair or poor, and almost 40% rate their physical health as fair or poor.

In general, how would you rate your mental health, including your mood and ability to think?

<table>
<thead>
<tr>
<th>Rating</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor</td>
<td>8.3%</td>
</tr>
<tr>
<td>Excellent</td>
<td>12.2%</td>
</tr>
<tr>
<td>Fair</td>
<td>25.4%</td>
</tr>
<tr>
<td>Very Good</td>
<td>20.2%</td>
</tr>
<tr>
<td>Good</td>
<td>33.8%</td>
</tr>
</tbody>
</table>

In general, how would you rate your physical health?

<table>
<thead>
<tr>
<th>Rating</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor</td>
<td>9.3%</td>
</tr>
<tr>
<td>Excellent</td>
<td>6.2%</td>
</tr>
<tr>
<td>Very Good</td>
<td>16.5%</td>
</tr>
<tr>
<td>Fair</td>
<td>30.3%</td>
</tr>
<tr>
<td>Good</td>
<td>37.7%</td>
</tr>
</tbody>
</table>
Flint Registry adults are more likely to have chronic health problems than other Michigan residents.

<table>
<thead>
<tr>
<th>Condition</th>
<th>Flint Registry Adults – Percent Reporting Diagnosis</th>
<th>Michigan Percent Estimates (2019-2021)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angina</td>
<td>7.7</td>
<td>4.6</td>
</tr>
<tr>
<td>Arthritis/Fibromyalgia/Lupus/Gout</td>
<td>42.3</td>
<td>30.3</td>
</tr>
<tr>
<td>Asthma (Ever)</td>
<td>21.8</td>
<td>16.0</td>
</tr>
<tr>
<td>Asthma (Current)</td>
<td>18.5</td>
<td>11.2</td>
</tr>
<tr>
<td>Cancer (Skin and Any Other Type)</td>
<td>8.0</td>
<td>13.0</td>
</tr>
<tr>
<td>Chronic Bronchitis/COPD/Emphysema</td>
<td>14.6</td>
<td>8.1</td>
</tr>
<tr>
<td>Depression</td>
<td>34.9</td>
<td>21.2</td>
</tr>
<tr>
<td>Heart Attack</td>
<td>4.4</td>
<td>4.7</td>
</tr>
<tr>
<td>High Cholesterol</td>
<td>35.9</td>
<td>34.5</td>
</tr>
<tr>
<td>Hypertension</td>
<td>46.7</td>
<td>35.2</td>
</tr>
<tr>
<td>Kidney Disease</td>
<td>8.1</td>
<td>3.4</td>
</tr>
<tr>
<td>Stroke</td>
<td>4.5</td>
<td>3.6</td>
</tr>
</tbody>
</table>

Michigan data come from the Michigan Behavioral Risk Factor Surveillance System. Flint Registry data have been adjusted for age. Data in this table reflect Flint Registry participants who completed their survey between December 2018 and July 31, 2022. More details on the data are available in the report appendix.

Flint Registry adults need greater access to doctors. Only 55.2% of adults had access to a doctor when needed.

Flint Registry parents are concerned about their child’s health.

Over 16% of parents report that their child’s mental health is fair or poor and almost 10% rate their child’s physical health as fair or poor.

Child mental health diagnoses.

Flint Registry children have higher levels of depression and anxiety than other children in the U.S.

GET SUPPORTED
The Impact of the Flint Registry

Ten years after the source of Flint’s drinking water was switched, it is vital to acknowledge the impact on individuals and the entire community. By establishing the Flint Registry, a community’s voice was advocated for and amplified. Through the survey and sustained engagement, the Flint Registry can walk hand-in-hand with those impacted by the Flint water crisis, mitigate the effects of lead, and provide a better future near and far.

THE FLINT REGISTRY CONNECTS ENROLLEES TO CRITICAL PUBLIC HEALTH RESOURCES AND SERVICES

Members who join the Flint Registry receive referrals to services and programs. Flint Registry staff process these referrals and work to make sure that needs are met. From December 2018 through July 2023, the Flint Registry made 34,584 referrals to 15,104 adults and children to services to reduce the impact of lead exposure. Referral partners include health agencies, child programming, food assistance programs, mental health programs, and lead elimination services. Here we highlight just a few top service providers. We made nearly 10,000 referrals for pipe replacement and lead removal services, as well as support for children who had elevated blood lead levels. Nearly 6,000 referrals were made to food support services, including the Supplemental Nutrition Assistance Program (SNAP), emergency food assistance programs, and Double-Up Food Bucks. Other top referrals were for children and adults to dental care facilities and children to a primary care program. We referred over 1,000 adults to affordable insurance programs. The evaluation of how these referrals improved health is ongoing.

The Flint Registry Referral Process:

1. **STEP ONE**
   - Participant enrolls in the Registry by taking a survey.

2. **STEP TWO**
   - The survey is then screened for eligibility within the 4 different service domains.

3. **STEP THREE**
   - Participant is referred to services.

4. **STEP FOUR**
   - Service providers reach out to connect participant to identified services based on survey responses.

5. **STEP FIVE**
   - Participant accepts calls and referrals to various services.

6. **STEP SIX**
   - Participant is connected to services based on enrollment.
After enrolling in the Flint Registry, members reported some improvements.

Number of members who completed one-year follow-up survey:

1,963 Children  
5,241 Adults

We asked Flint Registry members to complete a one-year follow-up survey to see how they were doing and to make additional referrals to services. Those referrals were focused on benefits programs from the State of Michigan as well as services improving access to care. The one-year follow-up survey was available from January of 2020 through July 31, 2022, and 7,204 participants completed the survey.
Some adult Flint Registry members reported fewer worries about economic hardship one year after joining the Flint Registry. They were less worried about running out of food in the previous 12 months, and less frequently ran out of food before they had money for more.

**Food Security**

In the past 12 months, were you worried you would run out of food before you got money to buy more?

![Graph showing food security comparison between At Enrollment and One-Year Follow-Up](image)

In the past 12 months, did the food you bought run out and you did not have any money to get more?

![Graph showing food security comparison between At Enrollment and One-Year Follow-Up](image)

More adults with children enrolled in the Flint Registry indicated that they were able to afford good nutritious meals.

In the past 12 months, we could always afford to eat good, nutritious meals.

![Graph showing food security comparison between At Enrollment and One-Year Follow-Up](image)

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**THE FLINT REGISTRY IS TELLING THE STORY OF FLINT. IT IS NOT AN INSTANCE WHERE A FEW VOICES ARE DROWNING OUT THE MASSES. THE FLINT REGISTRY PROVIDES A VOICE FOR THE VOICELESS, TOO.**

— ROYCE STEPHENS

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15
Mental and Physical Health

One year after enrolling in the Flint Registry, a higher percentage of adults reported excellent, very good, or good mental and physical health.

In general, how would you rate your mental health, including your mood and ability to think?

In general how would you rate your physical health?
Fewer children had excellent, very good, or good mental health and children had excellent, very good, or good physical health one year after enrolling.

In general, would you say your child’s mental health is:

- At Enrollment: 85% Excellent/Very Good/Good, 15% Fair/Poor
- One-Year Follow-Up: 82.7% Excellent/Very Good/Good, 17.2% Fair/Poor

In general how would you describe your child’s physical health:

- At Enrollment: 90.3% Excellent/Very Good/Good, 9.7% Fair/Poor
- One-Year Follow-Up: 92.3% Excellent/Very Good/Good, 7.7% Fair/Poor

**Flint Registry members rely upon bottled water.**

Most Flint Registry members use bottled water as one of their water sources for drinking and cooking and this usage **increased** from enrollment to one year follow-up.

- **65.3%** Of participants used bottled water at enrollment
- **79.8%** Of participants using bottled water one year after enrollment

Want to see more data like this? Go to flintregistry.org/results
Future Flint Registry Work

NEW MEMBERSHIP ADVISORY COUNCIL

The Flint Registry is launching a new Membership Advisory Council made up of Flint Registry participants who want to get more involved. They will serve an important role in future work by being a strong voice on community needs, helping to keep members engaged, designing future health surveys, and advising on referral strategies.

Future Surveys and Ongoing Support

The Flint Registry remains open for enrollment and will continue to support individuals impacted by the Flint water crisis. We are committed to the long-term work of recovery. Future surveys and sharing results and stories are a few of the ways the Flint Registry connects, supports, and counts its members.

Our next full follow-up survey will be open to all members and will launch in the winter of 2024. Additional mini surveys will be sent to members throughout 2024. Current registry members can make sure their contact information is up to date by calling us at 1-888-GO-FLINT.

FLINT REGISTRY TAKING ACTION

Flint Lead Free

The Flint Registry supports the Flint Lead Free workgroup made up of public, private, and nonprofit members with a shared mission of lead elimination. In 2021, Flint Lead Free joined with the Local Initiatives Support Corporation (LISC) Flint Healthy Homes group based on their shared goals. The focus of Flint Lead Free’s efforts is eliminating lead sources to prevent exposure. This primary prevention contributes most significantly to health and development outcomes and to lifetime savings on societal, healthcare, and education costs. Additionally, Flint Lead Free provides lead education opportunities throughout the community.

The long-term impact of lead mitigation expands beyond health measures. Flint Lead Free workgroup partner Altarum calculated that the combined future economic benefits for Flint and its residents from lead service line replacements, home abatements, and demolitions completed from 2013 through 2021 are expected to amount to $201.8 million. By facilitating widespread efforts to continue lead elimination, Flint Lead Free serves as a model for developing lead-free communities that have long-term impacts across the country.

Flint Lead Free has produced three reports (2017, 2021, 2023) that track, monitor, and share data from the programs and services to share lead-related progress and challenges. You can find these reports at https://flintregistry.org/flint-lead-free/. 
Sharing Stories with Other Communities

Flint has a history of paving the path forward. From establishing itself in fur trade and carriage making to the auto industry and groundbreaking public school system, Flint knows how to reinvent, revive, and thrive. Now, by showing the world what community-driven public health can look like, Flint is once again a model city. Leading the way with tenacity, resiliency, and hope.

The water crisis in Flint opened the nation’s eyes to the fragility of our drinking water infrastructure and the unfinished work of eliminating childhood lead exposure. From Newark, New Jersey, to Benton Harbor, Michigan, the Flint Registry and Dr. Mona Hanna-Attisha continue to support and inform communities across the country facing similar issues.

Working to Get the Lead Out of Our Drinking Water System

This long-term effort places Flint at the center of community advocacy and improving public health. The stories of the Flint community shared through the Flint Registry have led to policy and regulatory changes across the State of Michigan and the United States. In Michigan, schools and daycare facilities must install filters to protect children’s drinking water. Michigan also updated its Lead and Copper Rule to lower the action level, improve testing procedures, and require replacement of lead service lines by 2038. The United States Environmental Protection Agency used Michigan’s model as it proposed its own updates to the federal Lead and Copper Rule, which were introduced in November 2023. The EPA proposes to reduce the action level in water to even lower amounts than Michigan’s revision currently requires.
Additionally, in 2021, Congress passed the Infrastructure Investment and Jobs Act, a bipartisan infrastructure bill allocating $15 billion to lead pipe replacement and remediation. Dr. Mona Hanna-Attisha testified for a congressional committee advocating for this provision using the data and information collected through the Flint Registry.

The results from the Flint Registry, along with future, follow-up surveys are instrumental to understanding, measuring, and improving the lives of those exposed to the contaminated water in addition to preventing future crises.

**Inspiring New Programs for Families**

Flint Registry families told us that they were dealing with economic stress. In response to their stories, a new program was launched. On January 10, 2024, pregnant moms and newborns in the City of Flint started enrolling in Rx Kids, the first citywide maternal and infant cash prescription program in the nation. With no income restrictions or strings attached, Rx Kids empowers parents with the freedom and choice to make the decisions that best fit their families’ needs. Every mom will receive $1,500 during mid-pregnancy for food, prenatal care, rent, cribs, or whatever they need. After birth, families will receive $500/month for the baby’s first 12 months they can spend on needs such as formula, diapers, or childcare. The program holds the promise to eradicate deep poverty among families with infants in Flint. Rx Kids will measure impacts at the individual and community level, including on maternal and infant health, local employment and investment, the rate of people moving in and out of Flint, and more.

**Working Together for a Brighter Future**

The Flint Registry exists to connect, support, and count those impacted by the Flint water crisis. Ten years after the water switch, Flint continues to come together and forge a way forward to a better tomorrow. Over 21,400 people shared their experience and joined the Flint Registry. This resulted in a deeper understanding of the impact of lead, a community’s voice being heard, and nearly 35,000 referrals to services and resources through July 31, 2023.

The Flint Registry is doing what it was designed to do: improve public health.

The work of the Flint Registry continues, and the voice of Flint is rising. The Flint Registry and its partners work across sectors to leverage state, federal, and philanthropic resources to address community-informed needs. With data from the Flint Registry, individuals and families are helping shape the landscape of future programs, resources, and opportunities to ensure a better future for Flint and beyond.
PARTNER ACKNOWLEDGEMENTS

The Flint Registry would like to especially thank partner organizations, our Community and Partner Advisory Members, and our Congressional partners who advocated for federal programming for Flint after the water crisis.

Flint Registry Partners

- Arab American Heritage Council
- Blue Cross Complete
- Boys and Girls Club of Greater Flint
- Brennan Senior Center
- Carriage Town Ministries
- Catholic Charities Center for Hope
- Child Care Network
- Children’s Integrated Services (formerly Neurodevelopmental Center of Excellence)
- City of Flint
- Communication Access Center for the Deaf and Hard of Hearing
- Crim Fitness Foundation
- Eastside Mission
- Epic Systems
- Fair Food Network
- Flint and Genesee Literacy Network
- Flint Community Schools
- Flint Neighborhoods United
- Flint Public Library
- Flint Strive
- Genesee Community Health Access Program
- Genesee County Community Action Resource Department
- Genesee County Health Department
- Genesee County Medical Society
- Genesee District Libraries
- Genesee Health Plan
- Genesee Health System
- Genesee Intermediate School District
- Genesee Shiawassee Thumb Michigan Works
- Greater Flint Health Coalition
- Greater Holy Temple
- Hamilton Community Health Network
- Hasselbring Senior Center
- Health Alliance Plan
- Hurley Food FARMacy
- Hurley Medical Center
- Kettering University
- LatinX Community Center
- Mass Transportation Authority
- Michigan Department of Health and Human Services
- Michigan Health Information Network
- Michigan State University and Hurley Children’s Hospital Pediatric Public Health Initiative
- Michigan State University Biomedical Research Informatics Core
- Michigan State University Extension
- Mott Community College
- National Kidney Foundation of Michigan
- Neighborhood Engagement Hub
- Network for Public Health Law
- Oak Street Health
- Reverence Home Health and Hospice
- St. Luke’s N.E.W. Life Center
- United Way of Genesee County
- University of California San Francisco
- University of Michigan Child Health and Evaluation Research Center
- University of Michigan-Flint
- University of Michigan Inter-university Consortium for Political and Social Research
- Valley Area Agency on Aging
- Wellness Services
- Young Men’s Christian Association
- Young Women’s Christian Association
- Youth Quest

CDC Funding statement:

This publication was supported by grant funding from the Centers for Disease Control and Prevention (CDC) of the U.S. Department of Health and Human Services (HHS) under award number NUE2EH001472 for an award totaling $9,105,807 to date with an expected total of $18 million through July 2027 with 0% financed with non-governmental sources; the Genesee County Health Department, through the Healthy Start project, Grant Number U62MC31100, from HHS’s Health Resources and Services Administration (HRSA) for an award totaling $3,255,399 with 0% financed with non-governmental sources; and funds from the State of Michigan Department of Education. The contents are those of the authors and do not necessarily represent the official views of, nor an endorsement by, the CDC, HHS, Genesee County Health Department, HRSA, the U.S. Government, or the State of Michigan Department of Education.
Appendix A

INFORMATION ON DATA FROM THE MICHIGAN BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM.

Michigan Behavioral Risk Factor Surveillance System (MiBRFSS) data are from years 2019, 2020, and 2021. For hypertension data, MiBRFSS estimates include data from 2019 and 2021 because the Cardiovascular Health Awareness module was not offered in 2020. MiBRFSS data were obtained from the Michigan Department of Health and Human Services MiBRFSS epidemiologist.

Flint Registry data were adjusted for age and reflect the percentage of participants who would have a diagnosis for each condition if the Flint Registry age distribution were the same as that of the state of Michigan. Age adjustment is done to support comparisons between two populations that have different age distributions. In general, the average age of Flint Registry participants is a little younger than the average age of State of Michigan residents. State of Michigan age distribution data was obtained from American Community Survey five-year population age table B01001 for 2017-2021.
Appendix B

FLINT REGISTRY COMMUNITY ADVISORY BOARD

Aurora Saucedo
Michigan United
Community

Bishop Bernadel Jefferson
Faith Deliverance Center
Faith-Based

Carma Lewis
Flint Neighborhoods United
Community

Craig Coney
Retired GST Michigan Works!
Workforce Development

Debra Morgan
Valley Area Agency on Aging
Seniors

Kelvin Jones II
Flint Community Schools
Education

Theresa Miracle
Communication Access Center for Deaf and Hard of Hearing
Community

E. Yvonne Lewis
Healthy Flint Research
Coordinating Center
Academia

Gerri Hall
Retired UAW
Organized Labor

Jamie-Lee Venable
United Way of Genesee County
Non-Profit

Kenetta Dotson
Michigan State University
Co-Chair

Kirk Smith
Greater Flint Health Coalition
Co-Primary Investigator

Lawrence Reynolds, M.D.
At-Large
Co-Chair

Lynn Williams
Community Foundation of Greater Flint
Philanthropy

Michael Freeman
Genesee County Land Bank
Non-Profit

Mike Woolfolk
NBC25/FOX66
Media

Mona Hanna-Attisha, MD
Michigan State University-Hurley Medical Center,
Pediatric Public Health Initiative
Primary Investigator (PI)

Nicole Jones
Michigan State University
Co-Primary Investigator

Pastor Raphael Read
Mt. Carmel Baptist Church
Faith-Based

Pete Levine
Genesee County Medical Society
Health Care

Robert Brown
Michigan State University
Parents

Psalm Bingham
Youth Advisory Council
Youth

Samarura Abernathy
Youth Advisory Council
Youth

Tanya Jefferson
Catholic Charities
Non-Profit

Theresa Stephens-Lock
Mott Community College
Law Enforcement

Tricia Hill
Genesee Intermediate School District
Education

IN MEMORIAM: GERRI HALL AND PETE LEVINE

Geri and Pete were pillars of hope, joy, and strength in our community. They were pivotal in the work of the Flint Registry and ensuring the voices of Flint guided a way forward. We, along with many others, are so grateful for them and walk with their legacy of public health and service.