



CITY OF MILWAUKEE
HEALTH DEPARTMENT

2023 ANNUAL REPORT

DATA SUPPLEMENT



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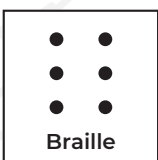


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2023 ANNUAL REPORT

About this Data Supplement

The Annual Report is a comprehensive overview of the City of Milwaukee Health Department (MHD) and includes information on each division, office, and program within the department.

MHD has implemented a new format that includes a condensed main report highlighting Key Performance Indicators (KPIs), with a separate data supplement that includes detailed data tables for each program.

Note: Gaps within this data supplement are the result of several factors, including the restructuring of numerous KPIs across the department and program disruptions caused by the COVID-19 pandemic.

The main 2023 Annual Report and Data Supplement can be found online at:
milwaukee.gov/AnnualReports



COMMISSIONER'S OFFICE

| Finance | | | | | |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| City of Milwaukee Health Department Expenditures by Funding Source * | | | | | |
| Funding Source | 2019 | 2020 | 2021 | 2022 | 2023 |
| O&M | \$16,122,871 | \$14,586,057 | \$16,884,600 | \$12,291,820 | \$18,244,554 |
| Grant | \$9,388,247 | \$29,805,644 | \$33,725,720 | \$31,222,619 | \$24,130,331 |
| Reimbursable | \$785,820 | \$349,615 | \$265 | \$270 | \$0 |
| Capital | \$1,229,587 | \$533,734 | \$624,314 | \$680,102 | \$37,722 |
| Total Expenses | \$27,526,525 | \$45,275,050 | \$51,234,899 | \$44,194,812 | \$42,412,607 |

* financial data is preliminary and subject to change

| 2023 Total Expenses by Branch | |
|---|---------------------|
| Branch | 2022 Total Expenses |
| Commissioner's Office | \$2,705,047 |
| Maternal and Child Health | \$7,022,701 |
| COVID-19 | \$1,341,723 |
| Environmental Health | \$15,643,000 |
| Clinical Services | \$8,649,924 |
| Policy, Innovation, and Engagement | \$3,744,980 |
| Office of Community Wellness and Safety | \$3,305,232 |
| Total | \$42,412,607 |

| COVID-19 Grant information | | | |
|--|--|---------------------------------|----------------------------|
| Grant Name | Funding Source | Dates of Grant Period | Amount Over Grant Period * |
| COVID-19 Health Disparities | Centers for Disease Control (CDC) | June 2021 - May 2024 | \$6,606,781 |
| ELC Project E: AMD Sequencing | State of WI via CDC | May 2021 - July 2024 | \$1,338,255 |
| ELC Project E: Enhancing Detection | State of WI via CDC | May 2020 - July 2024 | \$9,311,998 |
| ELC Project E: Enhancing Detection Expansion | State of WI via CDC | January 2021 - July 2024 | \$5,519,885 |
| CDC Phylodynamics | University of WI via CDC | September 2022 - September 2025 | \$777,740 |
| City ARPA: COVID-19 | US Treasury - American Rescue Plan Act | March 2021 - December 2026 | \$6,386,549 |
| COVID-19 Immunizations | State of WI via CDC | June 2021 - June 2024 | \$772,500 |
| CDC Impact of Immune Failure on COVID-19 | University of WI via CDC | April 2021 - May 2023 | \$488,970 |

* The grants listed here were awarded and / or spent during 2023. The amounts in Column four are the total award in the period shown, and may include multiple award years.

| O&M and Grant Expenses by Department ¹ | | |
|--|------------------------------|----------------------------|
| Department | 2023 O&M Expenses | 2023 Grant Expenses |
| Community Healthcare Access Program (CHAP) | \$272,680 | \$240,045 |
| Direct Assistance for Dads (DAD Project) | \$7,573 | \$130,456 |
| Empowering Families of Milwaukee (EFM) | \$1,009,171 | \$1,502,754 |
| Maternal and Child Health (MCH) (Strong Baby, Newborn Screening, Safe Sleep, Back To School Health Fair) | \$1,415,904 | \$617,610 |
| BOMB Doula Program | \$388,615 | \$221,288 |
| Parents Nurturing and Caring for Their Children (PNCC) and Newborn Screening ² | \$318,304 | \$17,135 |
| Women, Infants, and Children (WIC) | \$29,799 | \$1,421,430 |
| Office of Violence Prevention | \$1,344,356 | \$2,188,877 |
| Consumer Environmental Health (CEH) | \$2,807,423 | (\$0) |
| Home Environmental Health (HEH) | \$3,237,551 | \$9,510,898 |
| Emergency Preparedness and Environmental Health (EPEH) | \$213,866 | \$859,574 |
| Infectious Disease (Communicable Disease, Tb Control, Immunizations) | \$1,632,114 | \$794,787 |
| Sexual and Reproductive Health (SRH) | \$1,283,425 | \$1,058,108 |
| Well Woman/MBCCAP | \$82,991 | \$667,036 |
| Laboratory Services | \$2,308,177 | \$1,408,752 |
| Policy, Innovation, and Engagement (PIE) | \$1,350,638 | \$2,200,069 |
| Substance Misuse / Opioid Settlement | \$237,504 | \$486 |
| Vital Statistics | \$275,615 | \$907 |
| Fetal Infant Mortality Review | \$323,939 | \$431,918 |
| COVID-19 Response | \$28,604 | \$1,328,083 |
| Total Expenses | \$18,244,311 | \$24,168,297 |

¹ financial data is preliminary and subject to change

² PNCC Program ended services as of May 2023

| Staffing | | | | | |
|---|---------------|---------------|---------------|------------|---------------|
| City of Milwaukee Health Department Personnel | | | | | |
| | 2019 | 2020 | 2021 | 2022 | 2023 |
| O&M FTE | 136.7 | 164.26 | 162.12 | 190.8 | 141.14 |
| Non-O&M FTE | 108.85 | 120.71 | 441.85 | 109.2 | 92.99 |
| Total FTE | 245.55 | 284.97 | 603.97 | 300 | 234.13 |

| City of Milwaukee Health Department Total FTE* by Branch | |
|--|----------|
| Branch | 2023 FTE |
| Commissioner's Office | 22 |
| Maternal and Child Health | 57 |
| Environmental Health | 65 |
| Medical Services | 65 |
| Policy, Innovation, & Engagement | 26 |

* FTE = Full Time Equivalent employee (40 hours / week)

| Vital Statistics Records | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| Total gross income, cash receipts, and billing | \$404,584 | \$535,633 | \$594,254 | \$465,347 | \$471,015 |
| Births registered | 9,170 | 8,476 | 8,241 | 10,262 | 11,757 |
| Deaths registered | 5,931 | 7,220 | 5,075 | 6,643 | 5,532 |
| Total death certificates issued | 47706 | 52,649 | 49,194 | 46,447 | 46,447 |
| Total birth certificates issued | 10,755 | 17,251 | 23,627 | 15,959 | 18,221 |

MATERNAL AND CHILD HEALTH (MCH)

| Birth Outcomes Made Better (BOMB) Doula | | | | | |
|---|-------------------|------|----------|------|------|
| Performance Measure | 2019 ¹ | 2020 | 2021 | 2022 | 2023 |
| # of new families enrolled | N/A | 1 | 79 | 91 | 161 |
| # of babies born among families enrolled | N/A | 1 | 74 | 73 | 117 |
| # of singleton babies born at less than 37 weeks gestation (premature) | N/A | 0 | 10 | 6 | 11 |
| # of singleton babies born weighing less than 2500 grams (low birthweight) | N/A | 0 | 18 | 11 | 16 |
| Presence of Doulas during labor/delivery (percentage) | N/A | 100% | 68% | 81% | 72% |
| % of Black/African American identified families enrolled | N/A | N/A | N/A | 70% | 69% |
| % of infant deaths among enrolled families (not including terminations/stillbirths) | N/A | 0% | 1 (1.3%) | 0% | 0% |

¹ Did not enroll families until 12/2020 due to delays caused by COVID-19 pandemic.

| Community Healthcare Access Program (CHAP) | | | | | |
|---|------|------|------|------|------------------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| # of individuals completing applications for BadgerCare Plus (new) | 627 | 123 | 99 | 161 | 179 |
| # of individuals completing applications for BadgerCare Plus (renewals) | 985 | 282 | 25 | 39 | 526 ² |
| # of Childless Adults applications (new) | 52 | 78 | 25 | 26 | 49 |
| # of Childless Adults applications (renewals) | 158 | 8 | 9 | 9 | 10 |
| # of Marketplace or Health Benefit Navigations | 39 | 14 | 7 | 20 | 18 |

² 2020-2022 CHAP was significantly impacted with the automatic renewals of benefits nationwide. In 2023 there is a significant increase due to the unwinding of BC+ which started in June 2023.

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| Community Healthcare Access Program (CHAP) | | | | | |
|---|-------|-------|-------|------------------|-------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| # of Express Enrollments Applications (new and renewals) | 30 | 5 | 0 | 0 | 3 |
| # of Non-qualified Immigrant Pregnant Women ¹ | 63 | 24 | 22 | 68 | 68 |
| # of FoodShare applications (new) | 787 | 205 | 204 | 497 ² | 508 |
| # of FoodShare applications (renewals) | 948 | 361 | 196 | 565 ² | 524 |
| # of community outreach events focused on Medicaid enrollment in which CHAP staff participate | 60 | 20 | 5 | 9 | 2 |
| # of Troubleshoots (i.e. technical assists) done by staff ³ Goal - 375 per quarter ⁴ | 3,173 | 1,513 | 1,308 | 2,043 | 3,364 |

¹ This service enrolls undocumented mothers in insurance coverage that lasts through delivery.

² Foodshare applications / renewals significantly increased from 2021-22. CHAP's services played a major role in supporting food insecurity issues during the pandemic.

³ Includes family, new / decisions, renewals, and document verification (sending IDs, check stubs, updated job info, etc.)

⁴ Total number changes year to year depending on goals of the grant.

| Direct Assistance to Dads (DAD Project) Birth Outcomes | | | | | |
|---|------|----------------|----------------|----------------|----------------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| # of babies born (singletons + multiples) | 0 | 2 | 4 | 6 | 6 |
| Singletons | 0 | 2 | 4 | 6 | 6 |
| Multiples | 0 | 0 | 0 | 0 | 0 |
| # of singleton babies born at less than 37 weeks gestation (premature) | 0 | 0 ⁵ | 0 ⁵ | 0 ⁵ | 0 ⁵ |
| # of singleton babies born weighing less than 2500 grams (low birthweight) | 0 | 1 ⁵ | 1 ⁵ | 0 ⁵ | 1 |
| # of infant deaths among families enrolled (babies born alive who die before age 1) | 0% | 0% | 0% | 0% | 0% |
| # of stillbirths among families enrolled (babies who die before taking their first breath, are without a heartbeat at birth and weigh at least 350 grams and/or are more than 20 wks gestation) | 0 | 0 | 0 | 0 | 0 |

⁵ One or more unknown values.

Empowering Families of Milwaukee (EFM) Birth Outcomes

| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|--------|------|----------|----------------|
| # of babies born (singletons + multiples) | 73 | 33 | 39 | 56 | 80 |
| Singletons | 73 | 29 | 39 | 56 | 74 |
| Multiples | 0 | 4 | 0 | 0 | 6 ¹ |
| # of singleton babies born at less than 37 weeks gestation (premature) | 4 | 2 | 1 | 3 | 6 ² |
| # of singleton babies born weighing less than 2500 grams (low birthweight) | 3 | 1 | 2 | 4 | 7 ³ |
| # of infant deaths among families enrolled (babies born alive who die before age 1) | 0% | 1 (3%) | 0% | 1 (1.8%) | 1 (1.25%) |
| # of stillbirths among families enrolled (babies who die before taking their first breath, are without a heartbeat at birth and weigh at least 350 grams and/or are more than 20 wks gestation) | 1 | 1 | 0 | 0 | 0 |

¹ 2 of the 6 multiples were born full term, and 4 of 6 multiples were born at a healthy birth weight.

² 92% full term; 4 of the 6 premature babies' birthing parents were enrolled within 2 weeks of delivery.

³ 91% healthy birth weight; 2 of the 7 low birth weight babies' birthing parents were enrolled after 37 weeks gestation, and 5 of 7 low birth weight babies' birthing parents were enrolled within 2 weeks of delivery.

EFM / DAD Program Outcomes

| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|------|------|------|------|
| % of infants (among birthing parents that enrolled prenatally) who were breastfed any amount at 6 months of age | 38% | 29% | 31% | 25% | 43% |
| % of caregivers screened for depression within 3 months of delivery (or 3 months of enrollment is not enrolled prenatally) | 56% | 42% | 69% | 66% | 81% |
| % of caregivers with a positive screen for depression who accepted a referral and received services | 40% | 0% | 25% | 20% | 50% |
| % of children who received their last well-child check up | 89% | 72% | 86% | 81% | 77% |
| % of children with a family member who read, told stories and/or sang songs with their child every day | 76% | 78% | 72% | 74% | 71% |
| % of children with a timely screen for developmental delays using a validated tool | 57% | 52% | 82% | 74% | 73% |

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| EFM / DAD Program Outcomes | | | | | |
|--|------------------|------------------|------------------|------|------------------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| % of children with a positive screen for developmental delays whose parents accepted a referral and received service in a timely manner | 50% | 69% | 76% | 74% | 40% ¹ |
| % of caregivers who were screened for interpersonal violence within 6 months of enrollment | 86% | 87% | 93% | 87% | 89% |
| % of caregivers who had continuous health insurance coverage for at least 6 consecutive months | 88% | 95% | 93% | 94% | 96% |
| % of families that report an increase in their parenting skills and in their understanding of their child's development since being in the program | N/A ² | N/A ² | N/A ² | 94% | 97% |
| % of families that report an increase in their ability to manage their children's behaviors using age-appropriate discipline strategies since being in the program | N/A ² | N/A ² | N/A ² | 92% | 89% |
| % of families that report an increase in their ability to take care of the health needs of their family since being in the program | N/A ² | N/A ² | N/A ² | 87% | 92% |

¹ 2023 metric may not be accurate due to MHD's transfer to a new electronic health records system.

² Not measured before 2022.

| Infant Mortality Special Initiatives: Cribs for Kids and Strong Baby Title V | | | | | |
|---|------|------|------|------|------|
| Performance Measure | 2018 | 2019 | 2020 | 2021 | 2022 |
| # of clients served by Cribs for Kids Program | N/A | 371 | 221 | 163 | 378 |
| Total # of cribs distributed through classes and home visiting | 611 | 386 | 401 | 306 | 335 |

Newborn Screening - Congenital Disorders

| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|------|------|------|------|
| Total number of referrals (Includes newborn blood screening and whole blood referrals received from the newborn screening laboratory and community) | 103 | 110 | 140 | 106 | 67 |
| Average # of referrals case managed monthly | 9 | 10 | 12 | 9 | 13 |
| # of babies screened by MHD | 43 | 65 | 76 | 50 | 37 |
| # of babies rescreened (birth hospital) | 5 | 4 | 13 | 4 | 2 |
| # of babies rescreened (lab) | 4 | 11 | 10 | 9 | 4 |
| # of infants identified and subsequently case managed with sickling disorder through NBS | 30 | 26 | 11 | 11 | 8 |
| # of babies with sickle cell seen in clinic by 4 months of age | 29 | 27 | 11 | 11 | 13 |
| # of infants case managed for CF | 2 | 0 | 1 | 0 | 0 |
| # of babies referred and successfully case managed for CF (that needed case management) | 2 | 0 | 0 | 0 | 0 |
| # outreach events / conferences / health fairs attended | 7 | 1 | 5 | 4 | 4 |

Newborn Screening - Hearing

| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|------|------|------|------|
| # of referrals received | 415 | 1074 | 922 | 850 | 674 |
| Average number of babies case managed by RONS monthly | 135 | 318 | 305 | 338 | 287 |
| # of babies that received screening by Regional Outreach Nurse Specialist (RONS) | 56 | 14 | 6 | 5 | 14 |
| # of babies referred by Regional Outreach Nurse Specialist (RONS) to Audiology | 6 | 1 | 0 | 1 | 4 |
| # of newborns identified with hearing loss and referred to early intervention | 29 | 46 | 41 | 28 | 43 |

Women Infants and Children Nutrition (WIC)

| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|--------|--------|--------|--------|--------|
| Annual Count of WIC Participation | 12,903 | 12,500 | 11,809 | 12,090 | 15,052 |
| # of infants breastfed through 3 months of age | 226 | 236 | 281 | 360 | 474 |
| # of infants breastfed through 6 months of age | 167 | 166 | 184 | 232 | 329 |
| % of infants who ever breastfed | 57% | 49% | 55% | 64% | 59% |
| % of infants breastfed through 3 months of age | 39% | 37% | 41% | 50% | 55% |
| % of infants breastfed through 6 months of age | 21% | 18% | 21% | 27% | 33% |

ENVIRONMENTAL HEALTH

| Consumer Environmental Health (CEH)* | | | | | |
|--|------|------|------|------|------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| Number of preclicensing inspections | 703 | 573 | 747 | 761 | 850 |
| Number of 30 day inspections completed | 597 | 245 | 463 | 589 | 587 |
| Number of routine food inspections completed | 2638 | 999 | 1652 | 2261 | 2603 |

** Data from 2018-2022 updated to include initial preinspection and all subsequent follow-up inspections on preinspections.*

| 5 CDC Risk Factors Percentage Breakdown - Routine Food Inspections | | | | | |
|---|------|------|------|-------|-------|
| Cross Contamination | N/A | N/A | N/A | 18.3% | 19.1% |
| Improper Holding | N/A | N/A | N/A | 22% | 24.8% |
| Inadequate Cooking | N/A | N/A | N/A | 21.2% | 25.8% |
| Personal Hygiene | N/A | N/A | N/A | 12% | 6.8% |
| Unsafe Source | N/A | N/A | N/A | 26.5% | 23.5% |
| Total number of food inspections (preclicensing, routine, reinspections etc.) | 9524 | 3950 | 6392 | 8480 | 9692 |
| % of routine food inspections (non-mobile or temporary) with a priority violation | 44% | 44% | 39% | 42% | 47% |

| 5 CDC Risk Factors Percentage Breakdown - Temporary Event Inspections | | | | | |
|---|-----|-----|-----|-------|-------|
| Cross Contamination | N/A | N/A | N/A | 12.3% | 3.9% |
| Improper Holding | N/A | N/A | N/A | 51.2% | 65.7% |
| Inadequate Cooking | N/A | N/A | N/A | 2.5% | 7.2% |
| Personal Hygiene | N/A | N/A | N/A | 21.2% | 2.2% |
| Unsafe Source | N/A | N/A | N/A | 12.8% | 21% |
| Number of temporary events visited for initial inspections of vendors | N/A | N/A | N/A | 94 | 95 |
| Total temporary event inspections completed | 454 | 5 | 316 | 429 | 384 |
| % of temporary food inspections with a priority violation | 20% | 0% | 29% | 29% | 31% |

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| 5 CDC Risk Factors Percentage Breakdown - Mobile Food Establishments | | | | | |
|---|-----|-----|-----|-------|-------|
| Cross Contamination | N/A | N/A | N/A | 14% | 10.6% |
| Improper Holding | N/A | N/A | N/A | 41.8% | 48.2% |
| Inadequate Cooking | N/A | N/A | N/A | 7.6% | 10.1% |
| Personal Hygiene | N/A | N/A | N/A | 5% | 5% |
| Unsafe Source | N/A | N/A | N/A | 31.6% | 26.1% |
| Number of mobile preinspections | 115 | 117 | 157 | 179 | 207 |
| Number of routine mobile food inspections completed | 180 | 22 | 110 | 180 | 327 |
| Total number of mobile food inspections (prelicensing, routine, reinspections etc.) | 800 | 310 | 709 | 920 | 1214 |
| % of mobile routine inspections with a priority violation | 32% | 47% | 13% | 19% | 30% |

| | | | | | |
|--|-----|-----|-------|--------|--------|
| Number of tattoo and body art preinspections | 17 | 16 | 27 | 24 | 15 |
| Number of tattoo and body art routine inspections | 49 | 20 | 37 | 49 | 60 |
| Total number of tattoo & body art inspections (prelicensing, routine, reinspections, etc.) | 215 | 50 | 60 | 256 | 258 |
| Number of Devices Inspected/Inspections Performed | 865 | 737 | 1,123 | 836 | 1166 |
| Number of W&M complaints | 22 | 14 | 28 | 28 | 21 |
| Number of outreach trainings conducted | N/A | N/A | N/A | 151 | 189 |
| Number of food complaints | 701 | 829 | 641 | 648 | 590 |
| Number of body art complaints | 1 | 1 | 0 | 1 | 8 |
| QA average rating | N/A | N/A | N/A | 94.70% | 99.26% |

| Consumer Environmental Health (CEH) | | | | | | | |
|-------------------------------------|------|------|------|------|------|--------------------|---|
| Cases Reported | | | | | | | |
| Cases reported | 2019 | 2020 | 2021 | 2022 | 2023 | Three Year Average | Estimated Number of Cases Per Case Reported * |
| Campylobacter | 99 | 46 | 67 | 64 | 97 | 76 | 30 |
| E. coli 0157 | 13 | 1 | 12 | 22 | 17 | 17 | 26 |
| Listeria | 0 | 0 | 0 | 0 | 3 | 1 | 2 |
| Salmonella | 75 | 52 | 69 | 76 | 59 | 68 | 29 |
| Vibrio | 1 | 1 | 2 | 1 | 3 | 2 | 142 |
| Yersinia | 0 | 2 | 2 | 4 | 11 | 6 | 123 |

* City of Milwaukee enteric disease cases from Wisconsin Electronic Disease Surveillance System on January 6, 2020. Data is provisional and subject to change.

| Consumer Environmental Health (CEH) | | | | | | | | |
|-------------------------------------|------|------|------|------|------|--------------------|---|--|
| Incidence per 100,000 ¹ | | | | | | | | |
| Cases reported | 2019 | 2020 | 2021 | 2022 | 2023 | Three Year Average | Healthy People 2030 Target ² | Healthy People 2030 Status ³ (Met / Not Met) |
| Campylobacter | 16.6 | 7.7 | 11.6 | 10.7 | 16.3 | 13.5 | 10.9 | not met |
| E. coli 0157 | 2.2 | 0.2 | 2.1 | 3.7 | 2.9 | 3.3 | 3.7 | met |
| Listeria | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.25 | 0.22 | not met |
| Salmonella | 12.6 | 8.7 | 12.0 | 12.8 | 9.9 | 11.3 | 10.6 | met |
| Vibrio | 0.2 | 0.2 | 0.3 | 0.17 | 0.5 | 0.3 | N/A | N/A |
| Yersinia | 0.0 | 0.3 | 0.3 | 0.7 | 1.8 | 1.3 | N/A | N/A |

¹ Incidence calculated using 2010 U.S. Census Population data.

² Food Safety, Healthy People 2030 - <https://health.gov/healthypeople>

³ Based on comparison between City of Milwaukee incidence with 2030 target.

* CDC did not include vibrio or Yersinia in the Healthy People 2030 goals.

Emergency Preparedness and Environmental Health (EPEH)

Emergency Preparedness

| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|------|-----------------|-----------------|------|
| % of employees who have completed required Incident Command System (ICS) training | 91% | 90%+ | 90+% | 90+% | 90+% |
| % of staff successfully receiving exercised emergency notification messaging | 95% | 90% | 85% | 90% | 89% |
| # of emergency preparedness exercises completed | N/A | 10 | Active Response | Active Response | 4 |
| Public Health Emergency Operations Plan (EOP) reviewed and updated | Yes | Yes | Yes | Yes | Yes |
| % of staff slated for fit testing who had completed a fit test within the calendar year | N/A | 76% | 52% | 60% | 80% |
| # of staff respirator fit tests completed | N/A | 42 | 56 | 78 | 45 |
| # of Safety Committee Meetings conducted | N/A | 11 | 17 | 10 | 8 |
| # of facility chemical storage plans reviewed as part of the Local Emergency Planning Committee (LEPC) | 42 | 25 | 64 | 50 | 48 |
| # of days cooling/warming shelter open | N/A | 4 | 0 | 5 | 0 |
| # of needle/infectious waste removals completed | N/A | 60 | 60 | 45 | 30 |

Emergency Preparedness and Environmental Health (EPEH)

Environmental Health

| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|------|------|------|------------------|
| # of beach water samples collected for pathogenic testing | 169 | 148 | 139 | 137 | 131 ¹ |
| # of water samples collected for annual Milwaukee Triathlon for pathogenic testing | N/A | N/A | 18 | 18 | 32 |
| # of water quality advisories issued for City of Milwaukee beaches | 293 | 171 | 102 | 102 | 72 |
| # of closures of individual beaches | 5 | 33 | 22 | 9 | 17 ² |
| # of swim advisories of individual beaches | N/A | N/A | N/A | 31 | 22 ³ |
| # of meetings attended for Milwaukee water quality (beaches and floodplain) as part of multi-agency Milwaukee Estuary Area of Concern workgroups | N/A | 7 | 10 | 6 | 16 |
| # of potable water samples collected for health surveillance at Summerfest Grounds | 202 | 0 | 187 | 282 | 255 |
| Annual Infectious Waste Reports submitted to DNR | 3 | 3 | 3 | 3 | 3 |
| # of on-site inspections/ outreach conducted independantly or with State or other agencies regarding vapor intrusion concerns or other HAZMAT/environmental issues | N/A | N/A | 5 | 24 | 25 |
| # of public and/or formal multi-agency meetings re: vapor intrusion/ indoor air quality | N/A | N/A | N/A | N/A | 13 ⁴ |
| # of phone consultations regarding mold and other environmental health concerns | N/A | N/A | N/A | N/A | 166 |
| # of Safety Drills and Safety Trainings conducted | N/A | N/A | N/A | N/A | 10 |
| # of Safety Committee meetings | 10 | 7 | 17 | 10 | 8 |
| # of Safety Workgroup/ Sub-Committee meetings | N/A | N/A | N/A | N/A | 23 ⁵ |
| # of meetings attended as part of multi-agency CAT children's asthma workgroup | N/A | N/A | 9 | 12 | 6 |

¹ Number affected downward by closure of McKinley.

² 12 of these were for dangerous currents, not water quality.

³ 10 of these were for heavy rains.

⁴ Community Within the Corridor accounted for most of this activity.

⁵ Expanded number, activity of subcommittees in 2024.

Continued on next page >>

| Environmental Health | | | | | |
|---|------|------|------|------|---------------------------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| # of confirmed cases of West Nile Virus (WNV) in the City of Milwaukee ¹ | 0 | 0 | 2 | 1 | 5 |
| Potential rabies exposure consultation with citizens, veterinarians, pet owners, health care providers | N/A | N/A | N/A | N/A | 94 |
| Arranged post-mortem testing of animals in possible human /pet exposures - bats, opossums, raccoons, dogs, cats | N/A | N/A | N/A | N/A | 30 estimated ² |
| # of possible Carbon Monoxide exposures investigated - exposure prevention information provided/offered | N/A | N/A | N/A | N/A | 94 ³ |
| # of Vapor Intrusion Cases with health risk concerns requiring MHD involvement | N/A | N/A | N/A | N/A | 8 |
| # of Shelters that had an HVAC Assessments Complete with intention of Improving Indoor Air Quality | N/A | N/A | N/A | N/A | 13 |
| # of Corsi Rosenthal Boxes (DIY Air Cleaners) distributed | N/A | N/A | N/A | N/A | 177 |
| # of In-Home Childcares enrolled in IAQ Education | N/A | N/A | N/A | N/A | 231 |

¹ WEDSS has reclassified this for reporting purposes, but we have had no related activities (larviciding of sewer basins) for several years.

² Dates of delivery were not kept for several month period 2022-2023. This is conservative estimate for 2023, 26 were confirmed.

³ Took over from CD early in the year.

Emergency Preparedness and Env. Health (EPEH)

COVID-19 Response

| Performance Measure | FY 2020 | FY 2021 | FY 2022 | FY 2023 |
|---|---------|---------|-----------|---------------------|
| # of total diagnostic tests performed | 311,175 | 127,361 | 53,592 | 3,920 |
| # of tests performed at COVID-19 isolation facility (includes MFD testing site FY 2020) | 3,127 | 633 | 175 | 982 ¹ |
| # of tests performed at community testing sites | 305,316 | 124,791 | 51,631 | 2,218 |
| # of tests performed at place-based testing sites | 2,574 | 1,848 | 1,786 | 720 ² |
| # of place-based testing clinics completed | 126 | 94 | 25 | 4 ³ |
| # of total vaccinations administered | N/A | 216,853 | 21,138 | 1,874 |
| # of vaccinations administered at mobile vaccination clinics | N/A | 19,414 | 8,253 | 580 ⁴ |
| # of mobile vaccination clinics | N/A | 568 | 355 | 72 ⁵ |
| # of phone calls to COVID-19 Hotline ¹ | 25,408 | 46,510 | 18,977 | 10,780 ⁶ |
| # of COVID-19 isolation and warming clients served | 234 | 254 | 393 | 260 ⁷ |
| # of masks provided to distribution sites | 481,425 | 20,960 | 1,181,565 | 48,952 |
| # of COVID-19 antigen tests provided to distribution sites | N/A | N/A | 35,810 | 159,228 |
| # of COVID-19 hazard assessments completed | 46 | 27 | 6 | 1 |
| # of COVID-19 subject matter expert presentations | 15 | 8 | 5 | 0 |

¹ 2023 includes isolation / warming facility (Sisters Hall).

² 18 BinaxNow 40-pks from 1/1/23 to 3/8/23 (Salvation Army).

³ 1/1/23 to 3/8/23 (Salvation Army).

⁴ Missing numbers from 10 clinics, mainly from childhood imms clinics (estimated additional ~100 doses)

⁵ Around 64 were specific COVID Flu / Clinics and 8 included childhood immunizations

⁶ Calls not specific to COVID. Phone number became the general MHD Hotline.

⁷ Sisters Hall from January to March 2023.

Home Environmental Health (HEH)

| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|------|------|------|------------------|
| Lead Hazard Reduction | | | | | |
| Number of lead inspections completed ¹ | 193 | 130 | 121 | 163 | 271 |
| Number of risk assessments completed ² | 209 | 119 | 130 | 159 | 247 |
| Number of permits issued ² | 236 | 250 | 279 | 379 | 390 |
| Number of MHD final clearances | 163 | 123 | 155 | 144 | 189 |
| Number of families provided relocation service | 51 | 53 | 62 | 50 | 53 |
| Number of units with orders issued | 183 | 102 | 165 | 188 | 271 ³ |

¹ Due to the COVID-19 pandemic, home visits and inspections were placed on hold from March 16 to June 8, 2020.

² Increased funding from HUD, CDBG, and ARPA resulted in an increase in caseloads, risks assessments, and permits issued.

³ Significant Increase due to HEH enforcement efforts.

| Healthy Homes | | | | | |
|---|----|----|----|----|----|
| Number of Healthy Homes assessments completed | 51 | 53 | 83 | 52 | 40 |

| Lead Surveillance and Responses | | | | | |
|---|-------|-------|-------|-------|--------------------|
| Number of EBL outreach letters sent | 3,952 | 2,102 | 2,064 | 2,538 | 5,293 |
| Number of new children referred for nurse case management | 71 | 48 | 87 | 109 | 204 ⁴ |
| Number of children requiring chelation | 12 | 9 | 16 | 6 | 16 ⁵ |
| Number of chelation events | 15 | 11 | 23 | 10 | 24 ⁵ |
| Number of nurse cases closed | 124 | 53 | 101 | 69 | 170 |
| Number of nurse case management outreach interventions | 2,628 | 4,674 | 7,979 | 6,025 | 8,738 ⁶ |
| Number of initial developmental screenings completed | 113 | 187 | 74 | 83 | 106 |

⁴ PHN referrals increasing. HEH lowered intervention levels despite vacancies and staff turnover.

⁵ Increased number of chelated children and chelation events.

⁶ Increased program activity and PHN outreach efforts.

| Division Metrics | | | | | |
|--|----------|-----------|----------|-----------------------|-----------------|
| Total combined revenue generated from lead billing | \$95,200 | \$54,650 | \$90,900 | \$59,050 ⁷ | \$125,475 |
| Revenue generated from environmental investigation | \$86,300 | \$489,000 | \$81,975 | \$56,625 | \$85,100 |
| Revenue generated from lead abatement licenses | N/A | N/A | N/A | N/A | \$29,025 |
| Revenue generated from case management billing | \$8,900 | \$5,650 | \$8,925 | \$2,425 | \$5,050 |
| Revenue generated from reinspection fees | N/A | N/A | N/A | N/A | \$6,300 |
| Number of outreach events attended | 36 | 4 | 12 | 11 | 15 ⁸ |

⁷ 2022 data onward presents actual revenue. Previous years may present billing claims.

⁸ Outreach events in 2023 reached approximately 1,700 people.

Home Environmental Health (HEH)

| Home Environmental Health (HEH) | | | | | |
|---|--------|---------------------|---------------------|---------------------|---------------------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| Lead Epidemiology | | | | | |
| Number of reported blood lead tests ¹ | 36,536 | 25,571 | 23,591 | 24,775 | 27,944 |
| Total Number of children tested | 27,219 | 20,799 | 19,990 | 20,792 | 22,169 |
| Number of reported blood lead tests for children under 72 months | 34,979 | 24,561 | 22,676 | 23,662 | 26,340 |
| Total number of children under 72 months tested | 25,792 | 19,899 ² | 19,179 ² | 19,807 ² | 20,833 ² |
| Number of children under 72 months – 3.5-4.9 µg/dL ³ | N/A | N/A | 904 | 979 | 1,272 |
| Number of children under 72 months – 5-9.9 µg/dL | 1,466 | 908 | 720 | 770 | 964 |
| Number of children under 72 months – 10-14.9 µg/dL | 292 | 213 | 170 | 154 | 173 |
| Number of children under 72 months – 15-19.9 µg/dL | 117 | 82 | 59 | 57 | 60 |
| Number of children under 72 months – 20-39.9 µg/dL | 104 | 66 | 69 | 61 | 76 |
| Number of children under 72 months – Greater than 40 µg/dL | 14 | 9 | 22 | 11 | 24 |
| Percent of children under 72 months – Greater than 3.5 µg/dL | N/A | N/A | 10.1% | 10.3% | 12.3% |
| Percent of children under 72 months – Greater than 5 µg/dL | 7.7% | 6.4% | 5.4% | 5.3% | 6.2% |
| Percent of children under 72 months – Greater than 10 µg/dL | 2.0% | 1.8% | 1.7% | 1.4% | 1.6% |
| Percent of children 12 to 35 months of age with at least 1 reported blood lead test | 74.6% | 61.1% | 57.1% | 64.9% | 69.1% |

¹ To increase provider compliance with reporting guidelines, DHS compared provider billing of services and provider reporting of blood lead test results. New epidemiology data shows the number of new blood lead test results from previous years reported to DHS. 2023 epidemiology data presented is preliminary.

² Blood lead screening levels still have not rebounded from pre-pandemic levels. MHD continues work with DHS, providers, and community organizations to increase blood lead testing in the community.

³ In late 2021, the CDC lowered their BLRV from 5 µg/dL to 3.5 µg/dL.

CLINICAL SERVICES

| Infectious Disease (ID) | | | | | |
|---|-------|--------|--------|--------|-------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| Communicable Disease | | | | | |
| # of cases of CD reported ¹ | 3,262 | 2,893 | 3,891 | 4,249 | 1,297 |
| # of reportable CD cases followed-up by CD Program ² | 1,079 | 447 | 750 | 1,463 | 1,189 |
| # of COVID-19 cases MHD attempted to contact | N/A | 52,295 | 44,470 | 23,661 | N/A |

¹ These numbers do not include COVID-19, influenza associated hospitalizations, tuberculosis, or sexually transmitted infections.

² These numbers do not include COVID-19 cases.

| Immunizations | | | | | |
|---|-------|-------|---------|--------|-------|
| # of clients immunized ³ | 2,479 | 4,832 | 219,291 | 23,652 | 3,578 |
| # of immunizations provided ³ | 6,859 | 4,284 | 119,753 | 33,856 | 7,225 |
| # of offsite immunization clinics | 17 | 0 | 0 | 13 | 39 |
| School / childcare education sessions provided | 3 | 0 | 0 | 3 | 3 |
| # of two-year-old reminder/recall letters mailed | 3,612 | 988 | 0 | 4,021 | 1,768 |
| % of two-year-olds in the City of Milwaukee who are up to date on their immunizations by 24 months of age | 62% | 58% | 57% | 57% | 58% |
| % of children in compliance with school required immunizations | 91% | 92% | 83% | 92% | 79% |

³ These numbers now include COVID-19 vaccinations, change from 2022.

| Flu Vaccination Rates by Age | | | | | |
|------------------------------|---------|---------|---------|---------|---------|
| Performance Measure | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 |
| 0-17 years | 38% | 40% | 37% | 29% | 24.1 |
| 18-64 years | 36% | 40% | 44% | 38% | 18.6 |
| 65 years and older | 54% | 60% | 63% | 56% | 38.7 |

| Infectious Disease (ID) | | | | | |
|---|-------|------|-------|------|-------|
| Tuberculosis | | | | | |
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| # of chest x-rays performed at KHC | 192 | 123 | 171 | 127 | 123 |
| # of TB clinic visits | 463 | 236 | 266 | 240 | 197 |
| # of Directly Observed Therapy home visits | 2,008 | 670 | 1,023 | 901 | 1,201 |
| # of refugees with a Class B designation who were provided services (e.g., evaluations, treatment, and other TB care) | 23 | 11 | 13 | 40 | 52 |
| # of cases of tuberculosis in the City of Milwaukee | 14 | 9 | 11 | 12 | 12 |
| # of clients provided TB case management by MHD | 14 | 9 | 11 | 12 | 12 |
| # of cases of multi drug-resistant TB in Milwaukee | 0 | 0 | 0 | 1 | 0 |

| Milwaukee Breast and Cervical Cancer Awareness Program (MBCCAP) | | | | | |
|---|-------|----------------|----------------|------|------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| Screening Objective (unduplicated) | 900 | 700 | 900 | 950 | 1400 |
| # Milwaukee residents ages 35-64 yrs screened for breast and cervical cancer (unduplicated) | 1,057 | 885 | 1,121 | 948 | 1223 |
| Total # breast cancer screenings through internal or external providers | 1,008 | 792 | 838 | 985 | 1146 |
| # breast cancer screenings, in-house | 474 | 365 | 327 | 341 | 488 |
| # breast screenings, provider | 544 | 427 | 511 | 644 | 658 |
| Total # cervical cancer screenings provided | 74 | 75 | 89 | 130 | 77 |
| # cervical screenings in-house | 71 | 71 | 84 | 125 | 72 |
| # cervical screenings, provider | 3 | 4 | 5 | 5 | 5 |
| # of community events | 21 | 0 ¹ | 0 ¹ | 5 | 7 |
| # of diagnostic services provided | N/A | N/A | N/A | 728 | 401 |
| # of clients enrolled in Medicaid by MBCCAP | N/A | N/A | N/A | 30 | 7 |

¹ Unable to host events in 2020 or 2021 due to COVID-19 pandemic.

| Sexual and Reproductive Health (SRH) | | | | | |
|--|--------------------|---------|--------|--------|------------------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| # of clinic visits at KHC (duplicated patients) | 5,262 | 5,415 | 5,390 | 6,241 | 6734 |
| # of persons tested for STIs (unduplicated as of 2022) | 4,486 | 4,425 | 5,350 | 3256 | 4597 |
| # of persons turned away due to clinic capacity limitations | 520 | 393 | 118 | 35 | 13 |
| # of HIV tests conducted | 3,581 | 3,367 | 3,370 | 3,431 | 3051 |
| # of condoms distributed at KHC | 19,000 (Jan - May) | 100,000 | 92,000 | 98,085 | 124,854 |
| # of persons provided emergency contraception | 363 | 155 | 278 | 375 | 603 |
| # of positive HIV tests | 34 | 45 | 39 | 22 | 15 |
| # of positive gonorrhea tests | 1,930 | 1,967 | 1,601 | 1,186 | 795 |
| # of positive syphilis tests | 519 | 594 | 688 | 606 | 599 |
| # of STI/HIV cases assigned for case management by MHD staff ¹ | 915 | 1,109 | 1,036 | 1,556 | 1,466 |
| # of new HIV infections identified in the City of Milwaukee | 106 | 97 | 100 | 113 | 90 ² |
| # of cases of gonorrhea in the City of Milwaukee | 4,686 | 4,786 | 5,072 | 4,907 | 3,985 |
| # of cases of primary and secondary syphilis in the City of Milwaukee | 97 | 192 | 445 | 437 | 294 |
| # of cases of chlamydia in the City of Milwaukee | 10,343 | 9,405 | 9,623 | 9,215 | 9,127 |
| % of HIV cases linked to care within 1 month of diagnosis in the City of Milwaukee | 78% | 81% | 74% | 78% | 84% ³ |

All metrics specific to Keenan Health Center

¹ This does not include HIV. 2019-2023 data appears to only include Chlamydia, Gonorrhea, Syphilis.

² 2023 count is provisional and subject to change.

³ 2023 count is provisional and subject to change.

MILWAUKEE HEALTH DEPARTMENT LABORATORY (MHDL)

| Milwaukee Health Department Laboratory (MHDL) | | | | | |
|---|--------|--------|--------|--------|-------------------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| Tests Performed: Communicable Diseases | | | | | |
| Respiratory pathogens | 687 | 386 | 562 | 423 | 297 |
| SARS-CoV-2 (COVID-19) | N/A | 26,649 | 14,028 | 4771 | note ¹ |
| Gastrointestinal pathogens | 210 | 215 | 260 | 157 | 126 |
| Syphilis | 7,318 | 5,838 | 6,900 | 7,725 | 8,054 |
| Chlamydia | 13,709 | 10,350 | 11,562 | 11,742 | 12,583 |
| Gonorrhea | 18,266 | 13,532 | 14,024 | 14,048 | 14,879 |
| Mycoplasma | 1,596 | 1,288 | 1,722 | 2,502 | 1,346 |
| Trichomonas | 4,528 | 4,365 | 5,295 | 5,281 | 5,975 |
| HIV | 3,698 | 3,415 | 3,586 | 3,836 | 4,084 |
| Herpes | 364 | 283 | 354 | 330 | 395 |
| Other (Clinical/Reference) | 212 | 553 | 568 | 223 | 245 |

¹ This metric Included above in respiratory pathogens.

| Tests Performed: Environmental Health | | | | | |
|--|-------|-------|-------|-------|---------------------|
| Lead in dust wipes, paint, soil | 6,137 | 3,956 | 6,931 | 6,963 | 11,291 ² |
| Lead in Water | 1,428 | 979 | 514 | 580 | 793 |
| Blood Lead | N/A | N/A | N/A | 76 | 49 ³ |
| Summerfest Water (Potable) | 613 | 0 | 601 | 624 | 526 |
| Beach Water (Recreational) | 175 | 147 | 140 | 137 | 135 |
| Water Treatment Plant (raw and finished water- Potable; Cryptosporidium, Giardia and culturable viruses) | 72 | 86 | 98 | 84 | 78 |
| Harmful Algal Blooms | 44 | 15 | 15 | 13 | 0 ⁴ |
| SARS-CoV-2 (Air sampling) | N/A | N/A | N/A | 205 | 44 |
| Other (Environmental/Reference) | 439 | 414 | 130 | 384 | 3 |

² The lab performed nearly twice as many lead tests as last year.

³ MHDL Partnered with Children's Hospital of WI to increase blood lead testing of at-risk youth.

⁴ Discontinued.

Milwaukee Health Department Laboratory (MHDL)

| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|------|------|------|------|
| Other Performance Measures | | | | | |
| # of LRN Activities: Bio-threat Detection (included proficiency testing) | 24 | 11 | 14 | 14 | 31 |
| # of active grants | 7 | 9 | 13 | 17 | 7 |
| # of grant applications submitted | 8 | 8 | 9 | 9 | 3 |
| # of grants applied for awarded | 4 | 4 | 8 | 8 | 3 |

| Outcome Measures | | | | | |
|--|-----|-----|-------|-------|----------------|
| # of positive HIV cases reported | 28 | 20 | 23 | 27 | 24 |
| # Mycoplasma genitalium infections detected | 354 | 351 | 380 | 288 | 125 |
| # of clients using self-collect option at Sexual Health Clinic | 82 | 692 | 567 | 799 | 1,178 |
| # of COVID samples sequenced | N/A | 209 | 2,098 | 6,828 | 1,160 |
| # of water samples with elevated lead (5 ppb and up) | 99 | 141 | 79 | 35 | 28 |
| # of certifications maintained ¹ | 7 | 7 | 7 | 7 | 7 |
| # of successful regulatory inspections | 3 | 3 | 3 | 6 | 2 ² |

¹ The following certifications are currently maintained: Clinical Laboratory Improvement Amendment (CLIA) certificate of compliance (ZMB, KHC and SSHC locations), Wisconsin Department of Agriculture, Trade & Consumer Protection (DATCP) – Milk, Food and Water Lab certification, Wisconsin Department of Natural Resources (DNR) – Lead in Water certification, American Industrial Hygiene Association Laboratory Accreditation Programs (AIHA-LAP, LLC) – Environmental Lead certification, CDC Environmental Legionella Isolation Techniques Evaluation (ELITE)

² CLIA and DSAT

| Customer and Community Impact Measures | | | | | |
|---|------|------|------|------|------|
| # of clients/partners served | 51 | 96 | 70 | 55 | 49 |
| # of residential soil samples tested | 104 | 82 | 120 | 85 | 126 |
| Monthly e-reports to clinical partners & stakeholders (12 per calendar year) on laboratory surveillance | 100% | 100% | 100% | 100% | 100% |
| # of interns and fellows hosted | 4 | 4 | 7 | 7 | 7 |

POLICY, INNOVATION, AND ENGAGEMENT (PIE)

| Policy, Innovation, and Engagement (PIE) | | | | | |
|--|------|------|------|------|------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 |
| Records Requests | | | | | |
| # of data requests (internal and external) | N/A | N/A | N/A | 324 | 33 |
| # of open record requests | N/A | 146 | 127 | 66 | 90 |

| Workplace Development | | | | | |
|---|-----|-----|-----|----|----|
| # of student and fellow placements at MHD | N/A | N/A | N/A | 23 | 36 |
| # of active Academic Affiliation Agreements | 15 | 19 | 21 | 29 | 29 |
| # of policies revised | N/A | N/A | N/A | 61 | 20 |

| Substance Misuse Initiatives | | | | | |
|--|-----|-----|-------|--------|--------|
| Number of Narcan kits distributed | N/A | 403 | 582 | 1,546 | 2,772 |
| Number of Fentanyl test Strips distributed | N/A | N/A | 1,500 | 10,954 | 24,593 |

| Communication and Community Engagement | | | | | |
|--|--------|---------|---------|---------|--------------------------|
| # of MHD website unique visits | 37,584 | 108,954 | 401,049 | 373,901 | 1.6 million ¹ |
| # of press releases | N/A | N/A | N/A | 75 | 20 |
| # of graphic requests | N/A | N/A | N/A | N/A | 200 + |

¹ Total of 1.6 million visits to the MHD website, including 602,000 visits from first-time users.

| Social Media Breakdown By Platform | | | | | |
|------------------------------------|-----|-----|-----|-----------|---------|
| Facebook | | | | | |
| Engagement | N/A | N/A | N/A | 8,111 | 1,500 |
| Total people reached | N/A | N/A | N/A | 1,185,641 | 784,000 |
| Instagram | | | | | |
| Engagement ² | N/A | N/A | N/A | 10,544 | 3,800 |
| Total people reached ³ | N/A | N/A | N/A | 84,484 | 127,000 |
| Twitter | | | | | |
| Engagement | N/A | N/A | N/A | 4,063 | 2,800 |
| Total people reached | N/A | N/A | N/A | 378,981 | 78,000 |

² **Engagement:** the cumulative number of reactions, comments and shares on social media posts.

³ **Reach:** the number of unique people who see our content.

FETAL INFANT MORTALITY REVIEW (FIMR)

| Fetal Infant Mortality Review (FIMR) | | | | | |
|---|------|------------------------------|------------------------------|------------------------------|------------------------------|
| Performance Measure | 2019 | 2020 | 2021 | 2022 | 2023 ¹ |
| # of infant deaths | 77 | 97 | 68 | 69 | 67 |
| Infant mortality rate per 1,000 live births | 8.4 | 11.2 | 8.26 | 8.77 | 9 |
| # of stillbirths ² | 67 | 48 | 47 | 46 | 25 |
| # of reviews completed | 6 | 5 | 6 | 5 | 6 |
| % maternal interviews completed | 10% | 0 | 0 | 0 | 0 |
| # of partners actively engaged | 41 | 45 | 46 | 46 | 55 |
| % of cases analyzed | 100% | 80% with continuing analysis | 50% with continuing analysis | 50% with continuing analysis | 37% with continuing analysis |

¹ 2023 data is preliminary and subject to change.

² Stillbirth defined as being 20 weeks gestation or more, OR weighing 350 grams or more at birth.

| Infant Mortality Rate by Race & Ethnicity (Mortality per 1,000 births) | | | | | | |
|--|------------------|-----------------------|-----------------------|-----------------|-------|-------------|
| Year | Race / Ethnicity | | | | | |
| | Overall Rate | NH Black ³ | NH White ³ | Hispanic/Latinx | Asian | Multiracial |
| 2015 - 2017 | 10.5 | 15.5 | 5.1 | 5.8 | 6.6 | 10.7 |
| 2016 - 2018 | 10.8 | 15.9 | 5.7 | 6.2 | 5.7 | 9.1 |
| 2017 - 2019 | 10.6 | 15.3 | 4.4 | 7.1 | 5.4 | 10.4 |
| 2018 - 2020 | 10.2 | 14.9 | 4.2 | 7.1 | 3.8 | 13.1 |
| 2019 - 2021 | 9.27 | 13.69 | 2.99 | 6 | 4.04 | 4.1 |
| 2020 - 2022 | 9.41 | 13 | 4.36 | 6 | 5.65 | 4 |
| 2021-2023 ⁴ | 8.77 | 11.34 | 3.96 | 6.1 | 6.26 | 6.79 |

³ NH = Non-Hispanic.

⁴ 2023 data is preliminary and subject to change.