

Public Health and Prevention Metric Selection Workgroup

Pre-meeting materials

The purpose of our conference calls will be to review the list of metrics in the Public Health and Prevention domain from the 2014 Dashboard and identify any needed changes. Keep in mind that the Dashboard is intended to assess progress toward improved health value in Ohio over time. For this reason, metrics included in the Dashboard should be as consistent as possible across editions. We will not increase the total number of metrics (any new metrics will need to replace existing metrics).

To prepare for these meetings, please:

1. Familiarize yourself with the list of metrics in the [Public Health and Prevention](#) domain.
2. Review the [metric selection criteria](#) and the ["bike rack/wish list"](#).
3. Review the conceptual framework *stages in the life course* diagram below. Consider: Do you think the current set of metrics reflects a good balance across the life course? If not, what's missing in the Public Health and Prevention domain?
4. Review the *brief inventory of recommended population-level metrics* below (from the *Improving population health planning in Ohio* report). Consider: Are there any metrics listed here that are not in the Dashboard but you think should be—specifically for the Public Health and Prevention domain (vs. the Population Health domain)?
5. (Optional) Consider the Robert Wood Johnson Foundation's new [Culture of Health Action Framework](#) or other new metric sets you may be aware of. Are there new metrics from these sets we should consider adding to the Dashboard? Is the data available at the state level?

Our discussion during the conference calls will be to answer the following question:

6. Given the above considerations, are there any metrics you recommend we add to the Dashboard for this domain? If yes,
 - a. Identify which existing metric the new metric should replace.
 - b. "Make the case" for the metric using the selection criteria.
 - c. Provide a link to where we can find the state-level data for the metric.

Additional notes:

- The Population Health Metric Selection Workgroup met on March 11 and recommended that two metrics be added to the Public Health and Prevention domain, replacing two of the unranked metrics:
 - **Low birth weight** (Vital Stats)
 - **HIV prevalence** (or other HIV/AIDS-related metric)
- We reviewed changes to America's Health Rankings, County Health Rankings, and Commonwealth State Scorecard that have occurred since 2014. They only change that is possibly relevant to this domain is a new metric added by AHR in 2015: **Insufficient sleep**: Percent of adults who self-report sleeping fewer than 7 hours in a 24-hour period, on average. BRFSS 2014.
- State and local public health spending is in the [cost domain](#).

Stages in the life course

2H.3. HPIO Health Value Dashboard conceptual framework

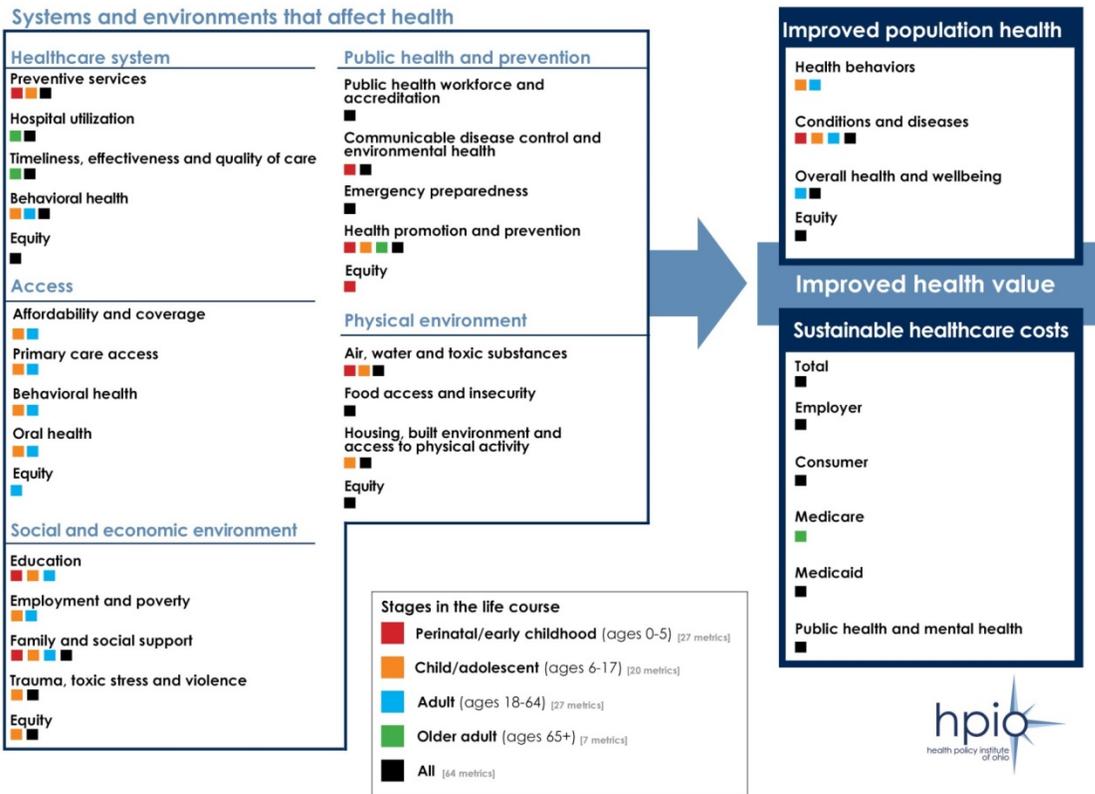


Figure 3.4. Brief inventory of recommended population-level metrics that align with Ohio's top 10 population health priority areas

Metric (source)	HPIO Health Value Dashboard	CMMI-suggested SIM population level measure*	Healthy People 2020 objective identifier
Obesity, physical activity, nutrition			
Youth obesity. Percent of high school students who are obese (YRBSS)			NA
Adult obesity. Percent of adults who are obese (BRFSS)			NWS 9
Adult insufficient physical activity. Percent of adults not meeting physical activity guidelines (BRFSS)			PA 2.4
Access to exercise opportunities. Percent of individuals in a county who live reasonably close to a location for physical activity (OneSource Global Business Browser and U.S. Census Bureau) `			NA
Alternative commute modes. Percent of trips to work via bicycle, walking or mass transit (combined) (U.S. Census Bureau, ACS)			NA
Safe Routes to School programs. Percent of schools that have a completed school travel plan (Ohio Department of Transportation)			NA
Complete Streets policies. Number of communities that have adopted complete streets policies (Smart Growth America; National Complete Streets Coalition)			NA
Fruit and vegetable consumption. Median intake of fruits and vegetables (times per day) (BRFSS)			NA
WIC at farmers markets. Percent of farmers markets that accept WIC coupons (CDC State Indicators Report on Fruits and Vegetables 2013)			NA
Healthy food access. Percent of population with limited access to healthy food, defined as the percent of low-income individuals (<200% FPG) living more than 10 miles from a grocery store in rural areas and more than 1 mile in non-rural areas (U.S. Department of Agriculture)			NA
Food insecurity. Percent of households with limited or uncertain access to adequate food (U.S. Census Bureau, CPS)			NWS 13
Tobacco use			
Adult smoking. Percent of population age 18 and older that are current smokers (BRFSS)			TU 1.1
Youth all-tobacco use. Percent of high school students who smoked cigarettes, cigars, cigarillos, or little cigars, or used chewing tobacco, snuff or dip during past 30 days (YRBS)			TU 2.1
Quit attempts. Percent of adult smokers who have made a quit attempt in the past year (BRFSS)			TU 4.1
Cigarette tax. State cigarette excise tax rate (CDC, as compiled by RWJF DataHub)			TU 17.1
Tobacco prevention spending. Tobacco prevention and control spending, as percent of the CDC-recommended level (ALA)			NA
Children exposed to secondhand smoke. Percent of children who live in a home where someone uses tobacco or smokes inside the home (NSCH)			TU 11.1 (ages 3-11), TU 11.2 (ages 12-17)
Infant mortality			
Infant mortality. Infant deaths per 1,000 live births (Vital Statistics)			MICH 1.3
Prenatal care. Percent of women who completed a pregnancy in the last 12 months and who received prenatal care in the first trimester (Vital Statistics)			MICH 10.1
Safe sleep. Percent of infants most often laid on his or her back to sleep (CDC Pregnancy Risk Assessment Monitoring System)			MICH 20
Teen birth rate. Rate of births per 1,000 females 15-19 years of age (Vital Statistics)			FP 8
Low birth weight. Percent of live births <2,500 g (KIDS COUNT Data Center)			MICH 8.1
Preterm birth. Percent of live births that are preterm (<37 weeks of gestation) (Vital Statistics)			MICH 9.1
Mental health			
Adult poor mental health. Average number of days in past 30 where mental health was poor (BRFSS)			NA
Youth depressive episodes. Percent of adolescents who have had at least one major depressive episode (NSDUH)			MHMD 4.1
Suicide deaths. Suicide deaths per 100,000 population (Vital Statistics)			NA
Unmet need for mental health. Percent of adults ages 18 and older with past year mental illness who reported perceived need for treatment/counseling that was not received (NSDUH)			MHMD 9.1
Mental illness hospitalization follow-up. Percent of Medicaid enrollees ages 6 and older who received follow-up after hospitalization for mental illness within 30 days of discharge (ODMHAS)			NA
Substance abuse			
Drug overdose deaths. Drug overdose deaths per 100,000 population (Vital Statistics)			SA 12
Sales of opioid pain relievers. Kilograms of opioid pain relievers sold per 100,000 population (DEA)			NA
Unmet need for illicit drug use treatment. Percent of individuals ages 12 and older needing but not receiving treatment for illicit drug use in the past year (NSDUH)			SA 8.1

Figure 3.4. continued

Metric (source)	HPIO Health Value Dashboard	CMMI-suggested SIM population level measure*	Healthy People 2020 objective identifier
Substance use disorder treatment retention. Percent of individuals ages 12 and older with an intake assessment who received one outpatient index service within a week and two additional outpatient index services within 30 days of intake (ODMHAS)			NA
Alcohol dependence or abuse. Percent of individuals aged 12+ with past-year alcohol dependence or abuse (NSDUH)			NA
Drug dependence or abuse. Percent of individuals aged 12+ with past-year illicit drug dependence or abuse (NSDUH)			NA
Adult binge drinking. Percent of adults who report binge drinking in the past month (BRFSS)			SA 14.3
Diabetes			
Adult diabetes prevalence. Percent of adults diagnosed with diabetes (BRFSS)			NA
Diabetes A1c measurements. Percent of adults ages 19 and older with diagnosed diabetes who received 2 or more hemoglobin A1c measurements in the last year (BRFSS)			NA
Cancer			
Cancer early stage diagnosis: All. Percent of all cancer cases diagnosed at an early stage (OCISS)			NA
Cancer early stage diagnosis: Female breast cancer. Percent of all female breast cancer cases diagnosed at an early stage (OCISS)			NA
Cancer early stage diagnosis: Colon and rectal cancer. Percent of all colon and rectal cancer cases diagnosed at an early stage (OCISS)			NA
Colorectal cancer screening. Percent of adult ages 50-75 who reported colorectal test use, by test type (up-to-date with CRC screening; FOBT within 1 year; sigmoidoscopy within 5 years with FOBT within 3 years; colonoscopy within 10 years) (BRFSS)			C 16
Cancer incidence. Incidence of breast, cervical, lung and colorectal cancer per 100,000 population, age adjusted (WONDER/Robert Wood Johnson Foundation DataHub)			NA
Heart disease			
Cardiovascular disease mortality. Heart-related deaths per 100,000 population (Vital Statistics)			HDS 2
Heart failure readmissions for Medicare beneficiaries. Percent of Medicare beneficiaries discharged from the hospital with a principal diagnosis of heart failure who were readmitted for any cause within 30 days after the index admission date (CMS)			NA
Blood pressure/hypertension medication. Percent of adults with high blood pressure/hypertension taking prescribed medications to lower their blood pressure (BRFSS)			HDS 11
Heart disease prevalence. Estimated prevalence of adults ever diagnosed with heart disease (BRFSS)			NA
Hypertension prevalence. Estimated prevalence of adults ever diagnosed with hypertension (BRFSS)			HDS 5.1
Child health/ Asthma**			
Adult asthma prevalence. Estimated prevalence of adults who currently have asthma (BRFSS)			NA
Child asthma prevalence. Estimated prevalence of children age 0-17 ever diagnosed with asthma (BRFSS)			NA
Asthma hospitalizations. Hospitalizations for asthma per 10,000 children and adults aged 5-64 years. (NHDS)			RD 2.2
Outdoor air quality. Average exposure of the general public to particulate matter of 2.5 microns or less in size (PM2.2) (EPA)			NA
Children exposed to secondhand smoke. Percent of children who live in a home where someone uses tobacco or smokes inside the home (NSCH)			TU 11.1 (ages 3-11), TU 11.2 (ages 12-17)
Severe housing problems. Percent of households that have one or more of the following problems: 1) housing unit lacks complete kitchen facilities, 2) housing unit lacks complete plumbing facilities, 3) household is severely overcrowded, 4) monthly housing costs, including utilities, exceed 50% of monthly income (HUD)			NA

*Metric is same or similar to core or additional population health measures suggested by Center for Medicare and Medicaid Innovation (CMMI). This matrix includes all CMMI population health measures for the Ohio priority health areas.

**Child health/asthma was not specifically included in Ohio's population health priority areas, but has been added to the patient-centered medical home quality metrics.

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| <ul style="list-style-type: none"> • ACS: American Community Survey • ALA: American Lung Association • BRFSS: Behavioral Risk Factor Surveillance System • CDC: Centers of Disease Control and Prevention • CMMI: Center for Medicare and Medicaid Innovation • CMS: Centers for Medicare & Medicaid Services • CPS: Current Population Survey • DEA: Drug Enforcement Agency • EPA: Environmental Protection Agency • HUD: U.S. Department of Housing and Urban Development • NHDS: National Hospital Discharge Survey | <ul style="list-style-type: none"> • NSCH: National Survey of Children's Health • NSDUH: National Survey on Drug Use and Health • OCISS: Ohio Cancer Incidence Surveillance System • ODMHAS: Ohio Department of Mental Health and Addiction Services • SIM: State Innovation Model • WONDER: Wide-ranging Online Data for Epidemiologic Research • YRBSS: Youth Risk Behavior Surveillance System | <p>Healthy People 2020 acronyms:</p> <ul style="list-style-type: none"> • NA: Not Applicable • NWS: Nutrition and Weight Status • PA: Physical Activity • TU: Tobacco Use • MICH: Maternal, Infant and Child Health • FP: Family Planning • MHMD: Mental Health and Mental Disorders • SA: Substance Abuse • C: Cancer • HDS: Heart Disease and Stroke • RD: Respiratory Diseases |
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