

Supplementary Online Content

Koh HK, Blakey CR, Roper AY. Healthy People 2020: A Report Card on the Health of the Nation. *JAMA*. doi:10.1001/jama.2014.6446

eSupplement. Healthy People 2020 Leading HealthIndicators: Progress Update

This supplementary material has been provided by the authors to give readers additional information about their work

Healthy People 2020 Leading Health Indicators: Progress Update



Target met¹



Improving²



Little or no detectable change³



Getting worse⁴

Progress Toward Target ^{5,6}	Leading Health Topic and Indicator	Baseline (Year)	Most Recent (Year)	Target
Access to Health Services				
	AHS-1.1 Persons with medical insurance (percent, <65 years)	83.2% (2008)	83.1% (2012)	100.0%
	AHS-3 Persons with a usual primary care provider (percent)	76.3% (2007)	77.3% (2011)	83.9%
Clinical Preventive Services				
	C-16 Adults receiving colorectal cancer screening based on most recent guidelines (age adjusted, percent, 50–75 years)	52.1% (2008)	59.2% (2010)	70.5%
	HDS-12 Adults with hypertension whose blood pressure is under control (age adjusted, percent, 18+ years)	43.7% (2005–08)	48.9% (2009–12)	61.2%
	D-5.1 Persons with diagnosed diabetes whose A1c value is >9 percent (age adjusted, percent, 18+ years)	17.9% (2005–08)	21.0% (2009–12)	16.1%
	IID-8 Children receiving the recommended doses of DTaP, polio, MMR, Hib, hepatitis B, varicella and PCV vaccines (percent, aged 19–35 months)	44.3% (2009)	68.5% (2011)	80.0%
Environmental Quality				
	EH-1 Air Quality Index (AQI) exceeding 100 (number of billion person days, weighted by population and Air Quality Index value)	2.237 (2006–08)	1.252 (2009–11)	1.980
	TU-11.1 Children exposed to secondhand smoke (percent; nonsmokers, 3–11 years)	52.2% (2005–08)	41.3% (2009–12)	47.0%
Injury and Violence				
	IVP-1.1 Injury deaths (age adjusted, per 100,000 population)	59.7 (2007)	57.1 (2010)	53.7
	IVP-29 Homicides (age adjusted, per 100,000 population)	6.1 (2007)	5.3 (2010)	5.5
Maternal, Infant, and Child Health				
	MICH-1.3 Infant deaths (per 1,000 live births, <1 year)	6.7 (2006)	6.1 (2010)	6.0
	MICH-9.1 Total preterm live births (percent, <37 weeks gestation)	12.7% (2007)	11.5% (2012)	11.4%
Mental Health				
	MHMD-1 Suicide (age adjusted, per 100,000 population)	11.3 (2007)	12.1 (2010)	10.2
	MHMD-4.1 Adolescents with major depressive episodes (percent, 12–17 years)	8.3% (2008)	9.1% (2012)	7.5%
Nutrition, Physical Activity, and Obesity				
	PA-2.4 Adults meeting aerobic physical activity and muscle-strengthening Federal guidelines (age adjusted, percent, 18+ years)	18.2% (2008)	20.6% (2012)	20.1%
	NWS-9 Obesity among adults (age adjusted, percent, 20+ years)	33.9% (2005–08)	35.3% (2009–12)	30.5%
	NWS-10.4 Obesity among children and adolescents (percent, 2–19 years)	16.1% (2005–08)	16.9% (2009–12)	14.5%
	NWS-15.1 Mean daily intake of total vegetables (age adjusted, cup equivalents per 1,000 calories, 2+ years)	0.8 (2001–04)	0.8 (2007–10)	1.1

Healthy People 2020 Leading Health Indicators: Progress Update (continued)



Target met¹



Improving²



Little or no detectable change³



Getting worse⁴

Progress Toward Target ^{5,6}	Leading Health Topic and Indicator	Baseline	Most Recent	Target
		(Year)	(Year)	
	Oral Health			
	OH-7 Persons who visited the dentist in the past year (age adjusted, percent, 2+ years)	44.5% (2007)	41.8% (2011)	49.0%
	Reproductive and Sexual Health			
Baseline data only ⁷	FP-7.1 Sexually experienced females receiving reproductive health services in the past 12 months (percent, 15–44 years)	78.6% (2006–10)	Not available	86.5%
	HIV-13 Knowledge of serostatus among HIV-positive persons (percent, 13+ years)	80.9% (2006)	84.2% (2010)	90.0%
	Social Determinants			
	AH-5.1 Students awarded a high school diploma 4 years after starting 9th grade (percent)	74.9% (2007–08)	78.2% (2009–10)	82.4%
	Substance Abuse			
	SA-13.1 Adolescents using alcohol or illicit drugs in past 30 days (percent, 12–17 years)	18.4% (2008)	17.4% (2012)	16.6%
	SA-14.3 Binge drinking in past 30 days—Adults (percent, 18+ years)	27.1% (2008)	27.1% (2012)	24.4%
	Tobacco			
	TU-1.1 Adult cigarette smoking (age adjusted, percent, 18+ years)	20.6% (2008)	18.2% (2012)	12.0%
	TU-2.2 Adolescent cigarette smoking in past 30 days (percent, grades 9–12)	19.5% (2009)	18.1% (2011)	16.0%

NOTES

- Target met or exceeded
- Movement is *toward* the target and is:
 - Statistically significant when measures of variability are available* – OR –
 - 10% or more of the targeted change when measures of variability are unavailable*
- Objective demonstrates little or no detectable change, because either:
 - Movement toward/away from the target is not statistically significant when measures of variability are available* – OR –
 - Movement is toward the target but the objective has achieved less than 10% of the targeted change when measures of variability are unavailable* – OR –
 - Movement is away from the target but the objective has moved less than 10% relative to its baseline when measures of variability are unavailable* – OR –
 - No change between baseline and most recent data point
- Movement is *away from* the target and is:
 - Statistically significant when measures of variability are available* – OR –
 - 10% or more relative to the baseline when measures of variability are unavailable*
- For objectives moving away from their baselines (and, therefore, their targets) progress is measured as the magnitude of the percent change from baseline, quantified as follows:

$$\text{Magnitude of percent change from baseline} = \frac{|\text{Most recent value} - \text{Baseline value}|}{\text{Baseline value}} \times 100.$$
- For objectives moving toward their targets, progress is measured as the percent of targeted change achieved, quantified as follows:

$$\text{Percent of targeted change achieved} = \frac{\text{Most recent value} - \text{Baseline value}}{\text{HP2020 target} - \text{Baseline value}} \times 100.$$
- Baseline data only; progress cannot be assessed
- When measures of variability are available, statistical significance of the percent of targeted change achieved or the magnitude of the percent change from baseline is assessed at the 0.05 level using a one-sided test. When measures of variability are unavailable, the percent of targeted change achieved and the percent change from baseline are assessed only for their magnitude (e.g., <10% or ≥10%).

DATA SOURCES

- AH-5.1 Common Core of Data (CCD), ED/NCES
- AHS-1.1 National Health Interview Survey (NHIS), CDC/NCHS
- AHS-3 Medical Expenditure Panel Survey (MEPS), AHRQ
- C-16 National Health Interview Survey (NHIS), CDC/NCHS
- D-5.1 National Health and Nutrition Examination Survey (NHANES), CDC/NCHS
- EH-1 Air Quality System (AQS), EPA
- FP-7.1 National Survey of Family Growth (NSFG), CDC/NCHS
- HDS-12 National Health and Nutrition Examination Survey (NHANES), CDC/NCHS
- HIV-13 National HIV Surveillance System (NHSS), CDC/NCHHSTP
- IID-8 National Immunization Survey (NIS), CDC/NCIRD and CDC/NCHS
- IVP-1.1 National Vital Statistics System-Mortality (NVSS-M), CDC/NCHS
- IVP-29 National Vital Statistics System-Mortality (NVSS-M), CDC/NCHS
- MHMD-1 National Vital Statistics System-Mortality (NVSS-M), CDC/NCHS
- MHMD-4.1 National Survey on Drug Use and Health (NSDUH), SAMHSA
- MICH-1.3 Linked Birth/Infant Death Data Set, CDC/NCHS
- MICH-9.1 National Vital Statistics System-Nativity (NVSS-N), CDC/NCHS
- NWS-9 National Health and Nutrition Examination Survey (NHANES), CDC/NCHS
- NWS-10.4 National Health and Nutrition Examination Survey (NHANES), CDC/NCHS
- NWS-15.1 National Health and Nutrition Examination Survey (NHANES), CDC/NCHS
- OH-7 Medical Expenditure Panel Survey (MEPS), AHRQ
- PA-2.4 National Health Interview Survey (NHIS), CDC/NCHS
- SA-13.1 National Survey on Drug Use and Health (NSDUH), SAMHSA
- SA-14.3 National Survey on Drug Use and Health (NSDUH), SAMHSA
- TU-1.1 National Health Interview Survey (NHIS), CDC/NCHS
- TU-2.2 Youth Risk Behavior Surveillance System (YRBSS), CDC/NCHHSTP
- TU-11.1 National Health and Nutrition Examination Survey (NHANES), CDC/NCHS



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