
















**Overview of IOM Core Metrics:** The Institute of Medicine (IOM) recently released a set of core metrics for guidance in population health for use by governments, health systems, insurers, businesses and health departments. (Institute of Medicine, 2015, *Vital signs: Core metrics for health and health care progress*, Washington, D.C.: The National Academies Press) There are 15 core measures grouped into four domains: Healthy People, Care Quality, Care Cost, and Engaged People. Measures within each domain include: *Healthy people:* Life expectancy, well-being, overweight and obesity, addictive behavior, unintended pregnancy, healthy communities; *Care quality:* Preventive services, care access, patient safety, evidence-based care, care match with patient goals; *Care cost:* Personal spending burden, sustainability; *Engaged people:* Individual engagement, community engagement. The IOM report also identified best available measures for each core metric and reported the current national values.

### IOM Core Measures

|   |  |  |   |  |  |
|---|--|--|---|--|--|
|    | <b>1. Life expectancy</b><br>Infant mortality<br>Maternal mortality<br>Violence and injury mortality                             |   | <b>7. Preventive services</b><br>Influenza immunization<br>Colorectal cancer screening<br>Breast cancer screening   |    | <b>11. Care match with patient goals</b><br>Patient experience<br>Shared decision making<br>End-of-life/advanced care planning |
|    | <b>2. Well-being</b><br>Multiple chronic conditions<br>Depression  |   | <b>8. Care access</b><br>Usual source of care<br>Delay of needed care   |    | <b>12. Personal spending burden</b><br>Health care-related bankruptcies  |
|    | <b>3. Overweight and obesity</b><br>Activity levels<br>Healthy eating patterns   |   | <b>9. Patient safety</b><br>Wrong-site surgery<br>Pressure ulcers<br>Medication reconciliation  |    | <b>13. Population spending burden</b><br>Total cost of care<br>Health care spending growth                                     |
|   | <b>4. Addictive behavior</b><br>Tobacco use<br>Drug dependence/illicit use<br>Alcohol dependence/misuse                          |  | <b>10. Evidence-based care</b><br>Cardiovascular risk reduction<br>Hypertension control<br>Diabetes control composite<br>Heart attack therapy protocol<br>Stroke therapy protocol<br>Unnecessary care composite |   | <b>14. Individual engagement</b><br>Involvement in health initiatives  |
|  | <b>5. Unintended pregnancy</b><br>Contraceptive use  |  |   |  | <b>15. Community engagement</b><br>Availability of healthy food<br>Walkability<br>Community health benefit agenda              |
|  | <b>6. Healthy communities</b><br>Childhood poverty rate<br>Childhood asthma<br>Air quality index<br>Drinking water quality index |  |   |  |  |

Source: Institute of Medicine. (2015). *Vital signs: Core metrics for health and health care progress*. Washington, DC: The National Academies Press.

### IOM Core Measure Set

| Domain                       | Key Element           | Core Measure Focus            | Best Current Measure                         | Current National Performance                        |
|------------------------------|-----------------------|-------------------------------|--|---|
| Healthy People               | Length of Life        | Life Expectancy               | Life expectancy at birth                     | 79 year life expectancy at birth                    |
|                              | Quality of Life       | Wellbeing                     | Self-reported health                         | 66% report being healthy                            |
|                              |                       | Overweight and Obesity        | Body mass index                              | 69% of adults with BMI >25                          |
|                              | Healthy Behaviors     | Addictive Behavior            | Addiction death rate                         | 200 addiction deaths per 100,000, age 15+           |
|                              |                       | Unintended Pregnancy          | Teen pregnancy rate                          | 27 births per 1,000 females aged 15 to 19           |
| Healthy Social Circumstances | Healthy Communities   | High school graduation rate   | 80% graduate in 4 years                      |   |
| Care Quality                 | Prevention            | Preventive Services           | Childhood immunization rate                  | 68% of children vaccinated by age 3                 |
|                              | Access to Care        | Care Access                   | Unmet care need                              | 5% report unmet medical needs                       |
|                              | Safe Care             | Patient Safety                | Hospital acquired infection rate             | 1,700 HAIs per 100,000 admissions                   |
|                              | Appropriate Treatment | Evidence-Based Care           | Preventable hospitalization rate             | 10,000 avoidable per 100,000 admissions             |
|                              | Person-Centered Care  | Care Match with Patient Goals | Patient-clinician communication satisfaction | 92% satisfied with provider communication           |
| Care Cost                    | Affordability         | Personal Spending Burden      | High spending relative to income             | 46% spent >10% income on care, or uninsured in 2012 |
|                              | Sustainability        | Population Spending Burden    | Per capita expenditures on health care       | \$9,000 health care expenditure per capita          |
| Engaged People               | Individual Engagement | Individual Engagement         | Health literacy rate                         | 12% proficient health literacy                      |
|                              | Community Engagement  | Community Engagement          | Social support                               | 21% inadequate social support                       |

Source: Institute of Medicine. (2015). *Vital signs: Core metrics for health and health care progress*. Washington, DC: The National Academies Press. <http://www.iom.edu/Reports/2015/Vital-Signs-Core-Metrics.aspx>