



MEASURING HEALTH STATUS

What is Health?

Most accepted definition is that of the World Health Organization:

"[Health is] the state of complete physical, mental and social well-being and not merely the absence of disease or infirmity" - WHO, 1948

"extent to which an individual or group is able to realize aspirations and satisfy needs, and to change or cope with the environment. Health is a resource for everyday life, not the objective of living; it is a positive concept, emphasizing social and personal resources as well as physical capabilities" -WHO, 1984

What is a Health Indicator?

- A direct or indirect characteristic used to describe the quality or quantity of health for an individual or population
- Examples
 - -Prevalence, morbidity, mortality
 - -Maternal and infant mortality rates

Why Measure Health Status?

- Knowledge necessary to develop effective programs and initiatives
- Helps to focus efforts and limited resources
- Enables tracking impact of interventions over time.
- Can encourage dialogue and actions to improve the population's health

How to Use Health Indicators

- Support planning

 Identify, monitor, communicate information
- Track progress toward objectives
- Build awareness of community's health – Trends, problems, changes
- Engage partners & generate interventions
- Inform policy makers

 Promote accountability of agencies

Who Uses Health Indicators?

- Use of health indicators to prioritize resource allocation
- Diverse users
 - International
 - National
 - State & Local
 - others
 - foundations, law enforcement, education, private sector, faith-based organizations, researchers, media

Characteristics of Good Health Indicators

- Specific and focused
- Statistically valid
- Relevant to target area of health
- Influenced by data
 - Quality
 - Accessibility
- Ease of communication

Common Health Indicators

- Vital statistics related to birth and death
- Health status
- Health behaviors
- Access to services/care
- Social indicators
 - Physical environment
 - -Social environment

How are Health Indicators Collected?

- Vital statistics records
- Disease surveillance systems
- Health services administrative data
 Example: hospital discharge and billing
- Surveys
 - Online
 - In-person
 - Telephone

Healthy People 2020

- > 1200 health objectives
- 26 Major Health Indicators
 - High-priority health issues
 - Examples

Source: www.healthypeople.gov



Incidence and Prevalence

Incidence = -	New cases of disease in defined population Population <i>at risk</i> of acquiring the disease
Prevalence =	Existing cases of disease in defined population Population at risk of acquiring the disease

Conclusion

- Health measures and indicators important for developing, implementing, and evaluating public health interventions
- Basic understanding of epidemiology tools helpful for using data effectively