



## **Public Health Care for the Future: Opportunities for Emergency Medicine**

The Healthy People 2010 is a multispecialty initiative that sets national goals and objectives for public health in 2010. Numerous objectives of this initiative have a significant impact on the specialty of emergency medicine, including intentional and unintentional injuries, access to emergency medical services, and prudent lay person. The lecturer will discuss the nation's public health goals and the likely impact that these goals will have on research initiatives, funding opportunities, and clinical practice.

- Define the public health goals as outlined in Healthy People 2010.
- Describe the impact of Health People 2010 initiatives on the clinical practice of emergency medicine.
- Identify research initiatives and funding opportunities related to public health goals.

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Room # N223  
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### **FACULTY**

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## PUBLIC HEALTH CARE FOR THE FUTURE

OPPORTUNITIES FOR  
EMERGENCY MEDICINE

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### Topics To Be Covered

▼ **Public health**

- What is it?
- Why is it **important**?

▼ **Healthy People 2010**

- What is it?
- Why is it **important**?

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### Topics To Be Covered (cont.)

▼ **How** will public health and Healthy People  
influence emergency medicine?

- ▼ What opportunities are likely to develop for  
emergency medicine from public **health**  
activities and Healthy People **2010**?

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## What Is Public Health?

- ✓ The whole body of knowledge and its application relating to the preservation and improvement of health of individuals and of the community and to the prevention of disease

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## Why Is Public Health Important?

- ✓ Affects the health of individuals and communities
  - Sanitation
  - Clean water
  - Environmental health
  - Immunizations
  - Promotion of healthy lifestyles
  - Occupational health
  - Injury prevention

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## Ten Public Health Achievements, 1900-1999

- ✓ Vaccination
- ✓ Motor vehicle safety
- ✓ Safer workplaces
- ✓ Control of infectious diseases
- ✓ Decline in deaths from coronary heart disease and strokes

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 **Ten Public Health Achievements, 1900-1999 (cont.)**

- ✓ **Safer** and healthier foods
- ✓ **Healthier** mothers and babies
- ✓ **Family** planning
- ✓ **Fluoridation** of drinking water
- ✓ **Recognition** of tobacco use as a health hazard

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 **How Does Public Health Impact Emergency Medicine?**

- ✓ **Disease** prevention can decrease emergency department visits
- ✓ **System** failures (water, sanitation, etc) can increase visits
- ✓ **CDC** and **NIH** funding influence emergency medicine research

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 **Current ACEP Public Health Related Activities**

- VACEP's injury prevention programs
- VACEP's policy statements and policy resource and education papers (PREPs)
- VACEP's talking points
- VACEP's public education handouts

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## What Is Healthy People?

- ✓ **Healthy** People is a national prevention initiative that identifies opportunities to improve the health of all Americans
- ✓ **Involves** both public agencies and private organizations
- ✓ **Currently** developing the third generation of public health goals, entitled: Healthy People 2010

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## Why Is Healthy People Important?

- ✓ **Influences** the efforts of public health agencies at the local, state, and national level
- ✓ **Influences** health research funding decisions
- ✓ **Example of a** public-private partnership and influences the actions and decisions of multiple organizations and businesses

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## Healthy People Consortium

- ✓ **Hundreds** of private and governmental organizations
- ✓ **Helps** the federal government develop national public health goals
- ✓ **Emergency** medicine representatives include ACEP and SAEM

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## Healthy People 2010

- ✓ **The** national public health goals and objectives for the next decade
- ✓ **Four** year process of development
  - Scheduled for release **in** January, **2000** in Washington, **D.C.**
- ✓ **Currently** in three volumes with **over** 600 objectives
  - Same objectives **are** likely to **be** eliminated

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## Healthy People 2010 Overall Goals

- ✓ **Increase** quality and years of healthy life
- ✓ **Eliminate** health disparities

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## Healthy People 2010 Objectives

- ✓ **Four** broad categories
  - **Promote** healthy **behaviors**
  - Promote healthy and safe communities
  - Improve systems for **personal** and public health
  - Prevent and reduce diseases and disorders

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## Healthy People 2010 Objective Chapters

- ▼ **Promote** healthy behaviors
  - 1. Physical activity and fitness
  - 2. Nutrition
  - 3. Tobacco use

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## Healthy People 2010 Objective Chapters (cont.)

- ▼ **Promote** healthy and safe communities
  - 4. Education and community-based programs
  - 5. Environmental **health**
  - 6. **Food** safety
  - 7. **Injury/violence prevention**
    - a. Injuries that cut across intent
    - b. Unintentional injuries
    - c. Violence and abuse

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## Healthy People 2010 Objective Chapters (cont.)

- ▼ **Promote** healthy and safe communities  
(cont.)
  - 8. **Occupational** safety and **health**
  - 9. Oral health

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## Healthy People 2010 Objective Chapters (cont.)

### ✓ Improve systems for personal and public health

- 10. Access to quality health services
  - a. Preventive care
  - b. Primary care
  - c. Emergency services
  - d. Long-term care and rehabilitative services

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## Healthy People 2010 Objective Chapters (cont.)

### ✓ Improve Systems for personal and public health (cont.)

- 11. Family **planning**
- 12. Maternal, infant, and child health
- 13. Medical product safety
- 14. Public health **infrastructure**
- 15. Health communication

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## Healthy People 2010 Objective Chapters (cont.)

### ✓ Prevent and reduce diseases and disorders

- 16. Arthritis, osteoporosis, and chronic back conditions
- 17. Cancer
- 18. Diabetes
- 19. Disability and secondary conditions
- 20. Heart disease and stroke
- 21. HIV

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## Healthy People 2010 Objective Chapters (cont.)

- ▼ **Prevent** and reduce diseases and disorders (cont.)
  - 22. **Immunization** and infectious diseases
  - 23. **Mental health** and mental disorders
  - 24. **Respiratory diseases**
  - 25. Sexually transmitted diseases
  - 26. Substance **abuse**

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## Objectives Likely to Influence Emergency Medicine

- ▼ Increase **the** proportion of patients whose access to emergency **services** when and where they need them is unimpeded by their **health** plan's coverage or payment policies
- ▼ Increase to at **least** 90% **the proportion** of individuals who have **access** to rapidly **responding** **prehospital** emergency medical **services**

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## Objectives Likely to Influence Emergency Medicine (cont.)

- ▼ Establish a single toll-free telephone number for access to Poison Control Centers on a 24-hour basis throughout the United States
- ▼ Assure time-sensitive care for individuals with symptoms and signs of an acute myocardial infarction or who have a witnessed out-of-hospital cardiac arrest

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## Objectives Likely to Influence Emergency Medicine (cont.)

- ✓ Increase to 50 the number of State EMS agencies that have
  - Pediatric protocols for both online medical direction of EMTs/paramedics and overall medical direction in the development of written protocols, medical policies, and guidelines
  - Adopted and disseminated pediatric guidelines that categorize acute care facilities with the equipment, drugs, trained personnel, and facilities necessary to provide varying level of pediatric emergency and critical care

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## Objectives Likely to Influence Emergency Medicine (cont.)

- Increase to 15% the number of hospital emergency departments that provide or arrange follow-up mental health services for persons treated for mental health problems, including self-destructive behavior
- ✓ Extend to all 50 states the capacity for population-based, public health surveillance of injuries and other acute health problems using data generated during emergency department visits and reported through electronic networks

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## Perspectives On Public Health

- ✓ Progress has been made towards 44% of Healthy People 2000 objectives
  - Cancer death rates have decreased in adults ages 25 to 64
  - Increased life expectancy among older Americans
  - Rising rates of:
    - Child immunization
    - Breast feeding
    - Mammography screening
    - Regular dental visits

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## Perspectives On Public Health (cont.)

- ✓ **Only** 15% of Healthy People 2000 objectives have been met
  - **More than** 20% of children and **over** half of **Americans are** overweight
  - Childhood **asthma** has **tripled** since **1980**
  - Significant disparities **in health indicators** exist between ethnic groups

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## Opportunities For Emergency Medicine

- ✓ **Involvement** in the development and **implementation** of national public health goals and objectives
- ✓ **Influence** direction of public health research
- ✓ **Decrease** morbidity and mortality through **disease** prevention (e.g. injury prevention)

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## Opportunities For Individual Emergency Physicians

- ✓ **Become** involved in local, **state** and national public health programs and initiatives
  - **Injury prevention**
  - **Trauma systems**
  - **EMS systems**
  - **Poison control**
  - **Disease reporting**

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### Opportunities For Individual Emergency Physicians (cont.)

- ✓ Be involved in local, regional, and national legislative efforts
- ✓ Promote good public health practice during your clinical work
  - Patient education on seatbelts, smoking cessation, injury prevention, etc.
- ✓ Influence your institutions and member organization to incorporate Healthy People 2010 objectives in their efforts

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### Future Directions For Public Health-Emergency Medicine Collaboration

- ✓ Improve preventive services in the ED
- ✓ Expand health screening
- ✓ Expand immunizations of children and adults
- ✓ Interventions against domestic violence
- ✓ Actions to decrease alcohol-related harm
- ✓ Improve injury and acute health problems surveillance

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