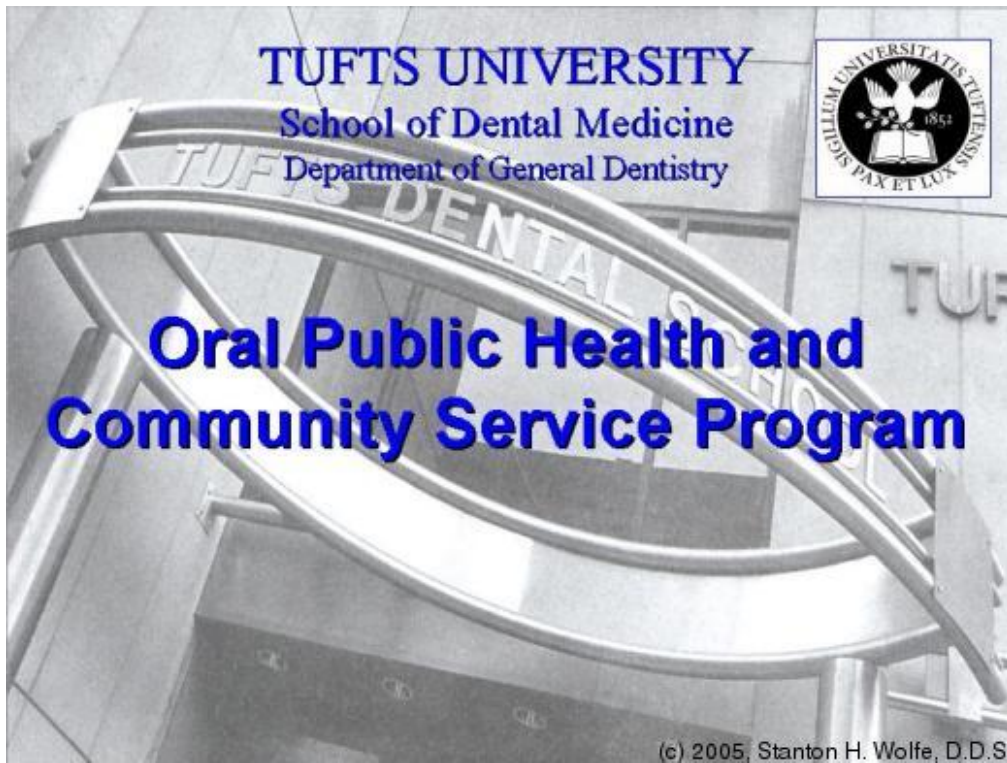


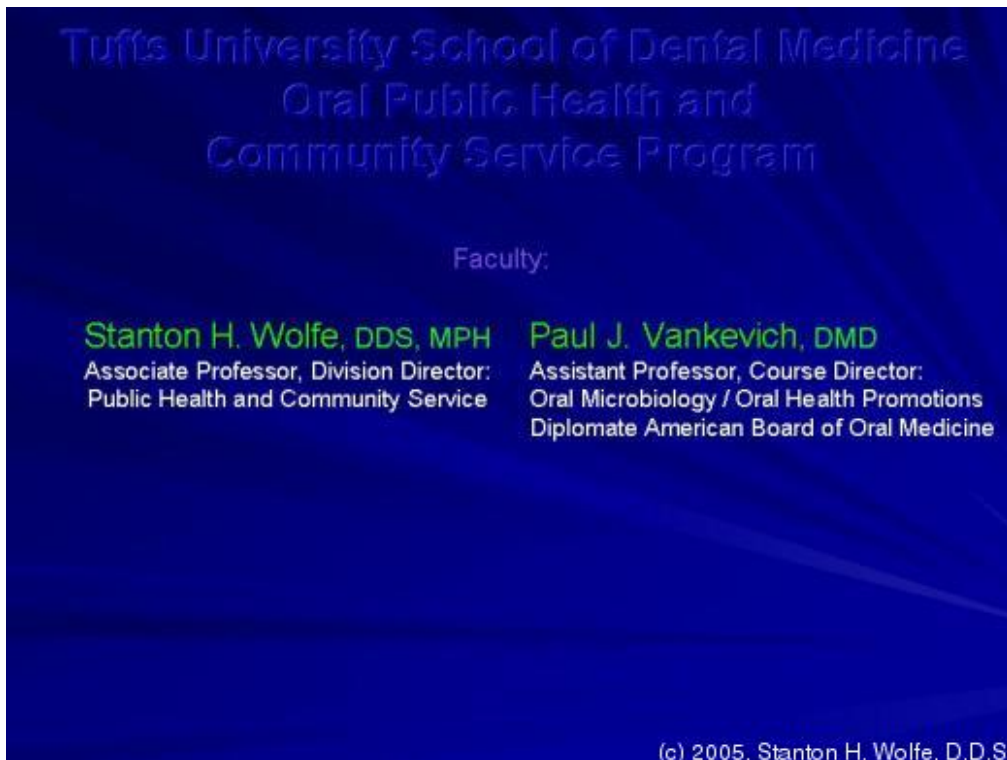
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Lecture 1 - Slide 2

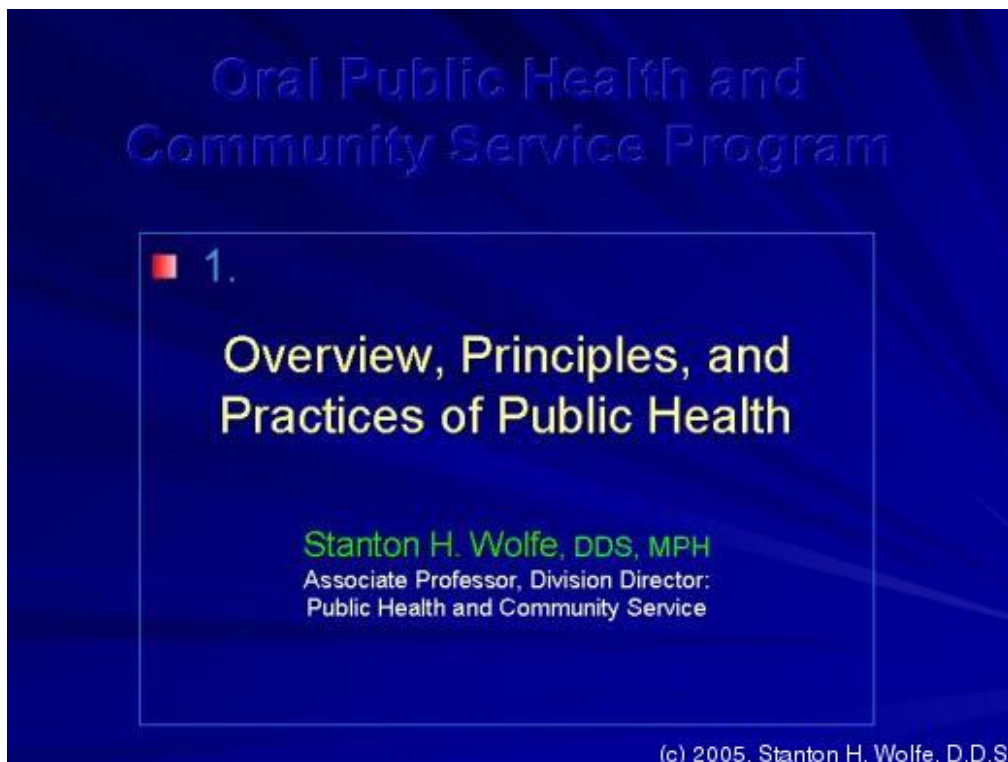


2.

Tufts University School of Dental Medicine Oral Public Health...



3. Oral Public Health and Community Service Program



Oral Public Health and  
Community Service Program

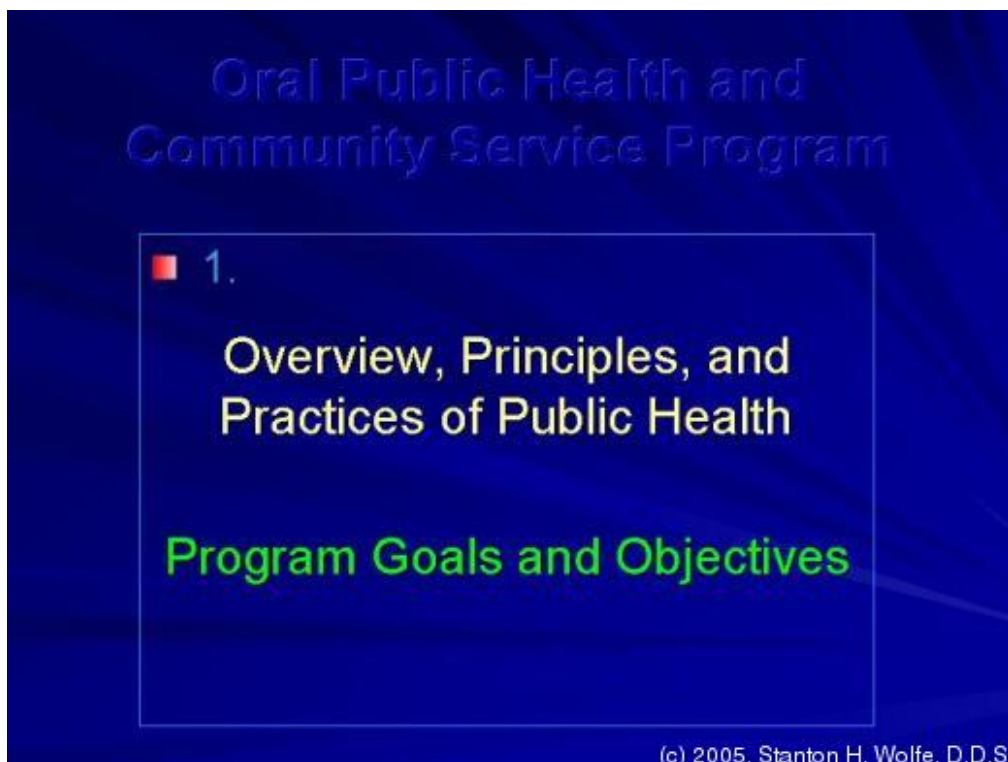
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**Overview, Principles, and  
Practices of Public Health**

Stanton H. Wolfe, DDS, MPH  
Associate Professor, Division Director:  
Public Health and Community Service

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4. Slide Lecture 1 - Slide 5



Oral Public Health and  
Community Service Program

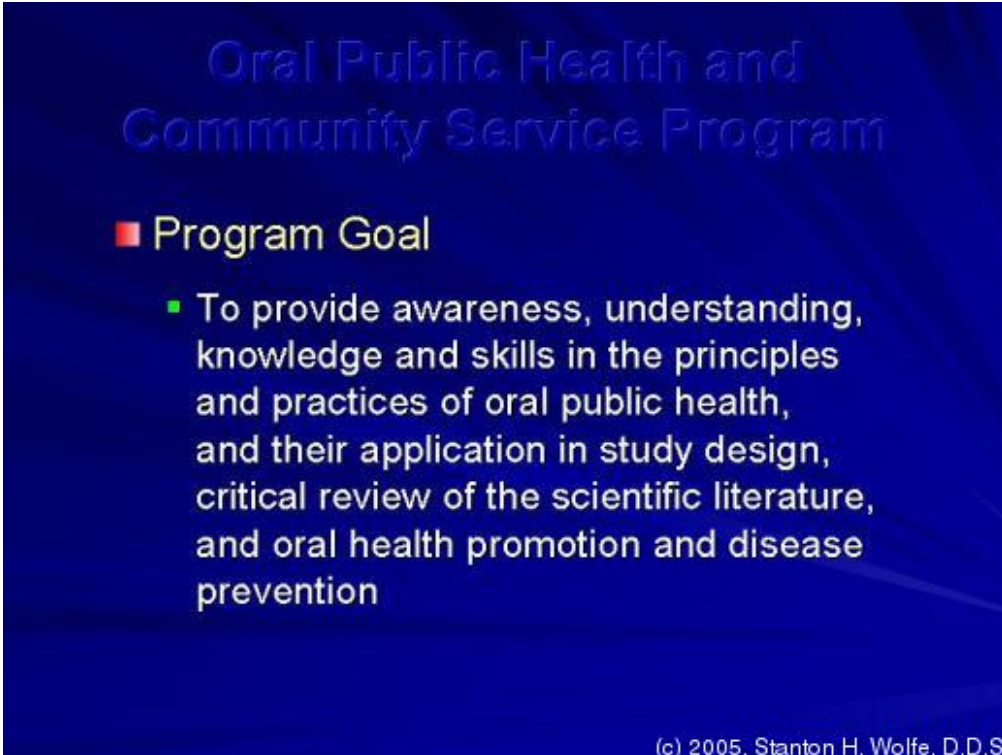
1.

**Overview, Principles, and  
Practices of Public Health**

**Program Goals and Objectives**

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5. Oral Public Health and Community Service Program

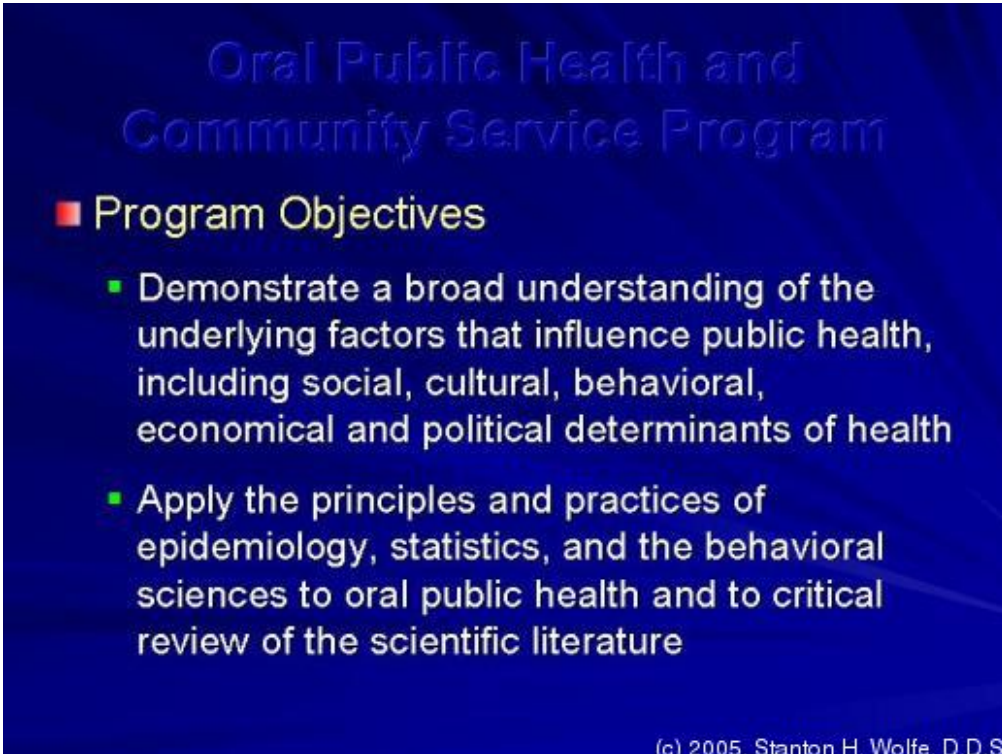


Oral Public Health and  
Community Service Program

- Program Goal
  - To provide awareness, understanding, knowledge and skills in the principles and practices of oral public health, and their application in study design, critical review of the scientific literature, and oral health promotion and disease prevention

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6. Oral Public Health and Community Service Program



Oral Public Health and  
Community Service Program

- Program Objectives
  - Demonstrate a broad understanding of the underlying factors that influence public health, including social, cultural, behavioral, economical and political determinants of health
  - Apply the principles and practices of epidemiology, statistics, and the behavioral sciences to oral public health and to critical review of the scientific literature

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7. Oral Public Health and Community Service Program

**Oral Public Health and  
Community Service Program**

- Describe the types of research designs used for descriptive, analytic, and experimental inquiry
- Describe evidence-based clinical practice and risk assessment and their application to clinical dentistry
- Describe the major issues in oral public health and possible resolutions
- Demonstrate an understanding of planning, developing, implementing, and evaluating oral health care delivery systems

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8. Lecture 1 - Slide 9

**Oral Public Health and  
Community Service Program**

1.  
**Overview, Principles, and  
Practices of Public Health**

**What is Public Health?**  
Core Functions, Essential Services

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9.

What is Public Health?

**What is Public Health?**

- What we, as a society, do collectively to assure the conditions in which people can be healthy
- The public health framework includes a focus on prevention, recognition of multiple determinants of health and illness, and a population approach to health improvement

Institute of Medicine. The future of public health. Washington, DC: National Academy Press, 1988.  
Institute of Medicine (U.S.), Committee on Assuring the Health of the Public in the 21st Century. 2003.  
The future of the public's health in the 21st century. Washington DC: National Academy Press, 2003.

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10.

Lecture 1 - Slide 11

**What is Public Health?**

- **Core Public Health Functions**
  - Direct health care services
  - Enabling services
  - Population-based services
  - Infrastructure building

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11.

What is Public Health?



What is Public Health?

- Core Public Health Functions
  - Data collection, analysis, and reporting
  - Protect against environmental hazards
  - Inform, educate and empower people about health issues
  - Mobilize community partners and action to identify and solve health problems

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12.

What is Public Health?



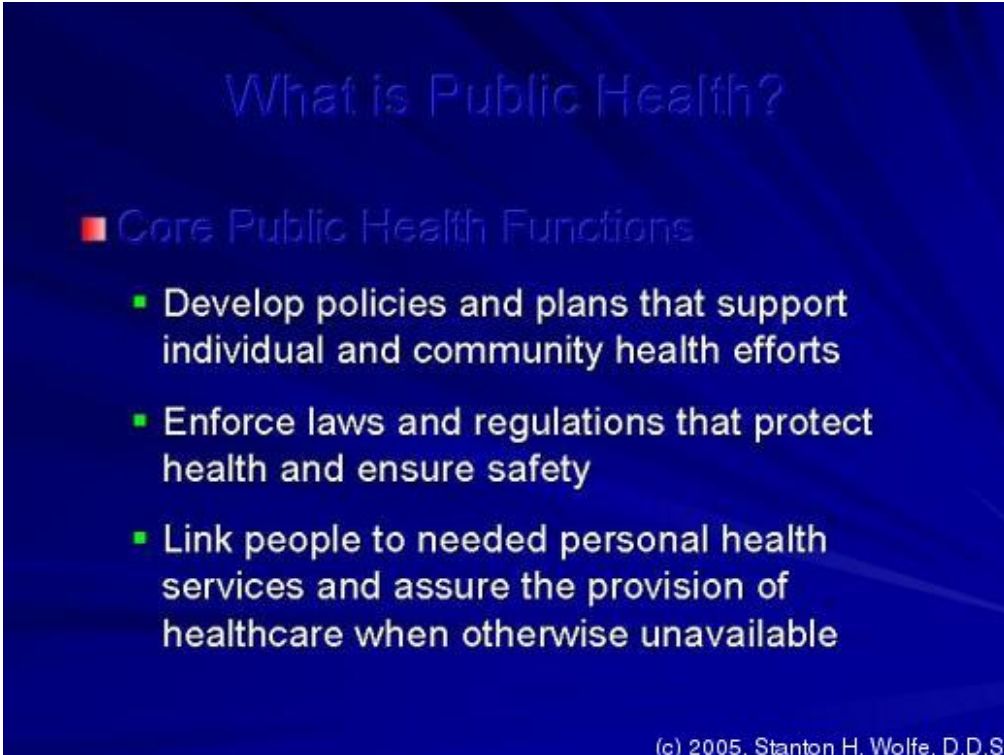
What is Public Health?

- Core Public Health Functions
  - Assure a competent public health and personal healthcare workforce
  - Evaluate effectiveness, accessibility, and quality of personal and population-based health services
  - Research for new insights and innovative solutions to health problems

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13.

What is Public Health?



What is Public Health?

- Core Public Health Functions
  - Develop policies and plans that support individual and community health efforts
  - Enforce laws and regulations that protect health and ensure safety
  - Link people to needed personal health services and assure the provision of healthcare when otherwise unavailable

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14.

What is Public Health?



What is Public Health?

- Essential public health services
  - Evaluation
  - Surveillance
  - Policy development
  - Program development
  - Systems development
  - Risk assessment
  - Primary prevention across the lifespan

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15. Public Health: Essential ...



16. Public Health: Essential Services

- Public Health: Essential Services**
- All within the framework of community, culture, and society
    - Social justice and access to oral health care
    - Responsibilities of dentistry to society
      - Social and community health needs
      - Factors affecting supply and demand
  - Embracing active citizenship, ethics, and professionalism
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17.

Lecture 1 - Slide 18

Oral Public Health and  
Community Service Program

1.  
Overview, Principles, and  
Practices of Public Health

Social, Cultural and Behavioral  
Determinants of Health

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18.

Social, Cultural and Behavioral Determinants of Health

Social, Cultural and Behavioral  
Determinants of Health

TUFTS  
DENTAL MEDICINE

THE  
FORGOTTEN

PUTTING A FACE ON ORAL  
HEALTH CARE INSPIRES

COVER COURTESY OF TUSDM ALUMNI MAGAZINE, Vol 9, No 1, Winter 2005

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19.

Lecture 1 - Slide 20

## Social, Cultural and Behavioral

■ **Risk Assessment:** **80% of dental decay occurs in 20% of the children**

- Low socio-economic status
- Low education level
- Minority race / ethnicity
- Poor access to health care
- Special health care needs
- Inadequate fluoride
- Poor oral hygiene



Image source: U.S. Department of Health and Human Services (c) 2005, Stanton H. Wolfe, D.D.S.

20.

Risk Assessment

## Risk Assessment

■ **Risk Assessment:**

- **Developmental deformities**
  - 20% of CT Head Start children have defects in upper incisors (CT DPH, 2002)
  - More tooth defects in premature infants, lower income groups, certain minority groups, children with special health care needs



Images source: U.S. Department of Health and Human Services (c) 2005, Stanton H. Wolfe, D.D.S.

21.

## Risk Assessment

### Risk Assessment

- **Health Beliefs: perceptions and attitudes**
  - "Baby teeth are not important"
  - "It is cruel to deny children their snacks"
  - "The snacks keep my child quiet"
  - "My whole family has dentures and they're doing fine"
  - "Decay will happen anyway"



Image source: DPH, State of CT  
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22.

## The Diversity Iceberg



23. Social, Cultural and Behavioral

**Social, Cultural and Behavioral**

- **Oral health promotion and advocacy: Creating social change**
  - **Product:** make it attractive to the client
  - **Price:** make the monetary and non-monetary costs acceptable
  - **Competition:** make the product a high priority
  - **Place:** make the product more accessible

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24. Oral Health Promotion and Advocacy

**Oral Health Promotion and Advocacy**

- **Oral health promotion and advocacy: Creating social change**
  - **Promotion:** Raising awareness, increasing understanding and knowledge, teaching skills
  - **Social Marketing: Changing attitudes and health risk behaviors**
    - **Empowerment:** enable, support, control, ownership
    - **Self-Efficacy:** build confidence, provide education, skills, and resources
    - **Reinforcement:** repetition

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25.

Lecture 1 - Slide 26

Oral Public Health and  
Community Service Program

■ 1.

Overview, Principles, and  
Practices of Public Health

Community Service Learning

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26.

Community Service Learning

Community Service Learning

■ **Mission:** to develop and implement a curriculum model that educates, trains, and motivates students to be civically engaged and committed to community service; and that is fully valued, integrated, systematized, and reinforced throughout their pre-doctoral education


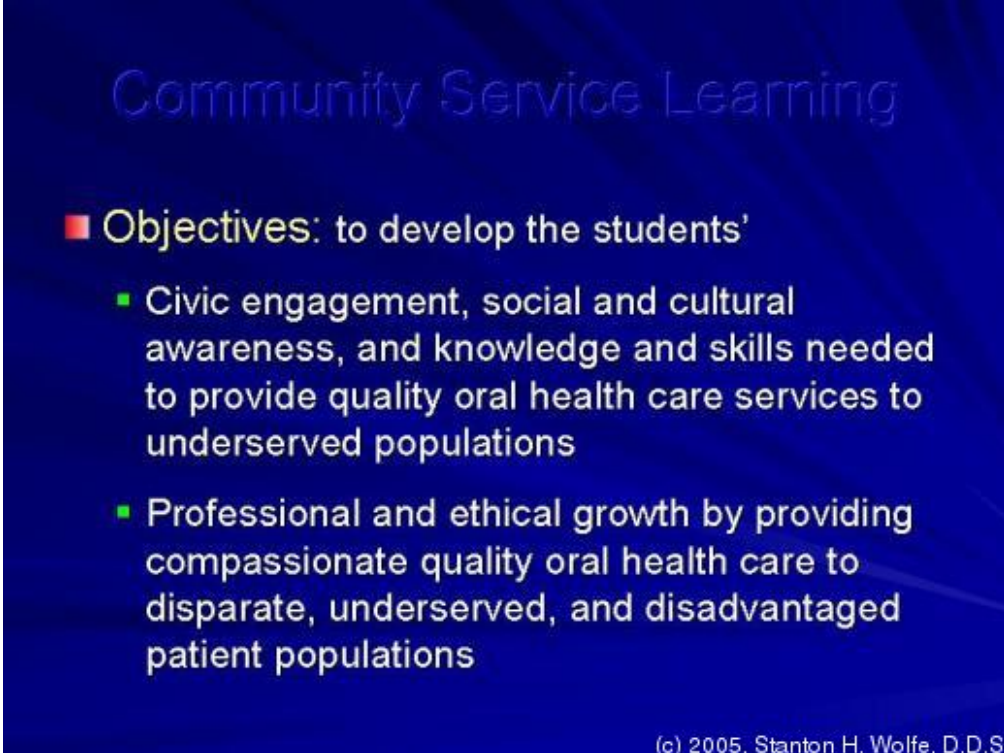


Image courtesy of TUSDM Alumni Magazine, Vol 9 No1, Winter 2005, Stanton H. Wolfe, D.D.S.

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27.

## Community Service Learning



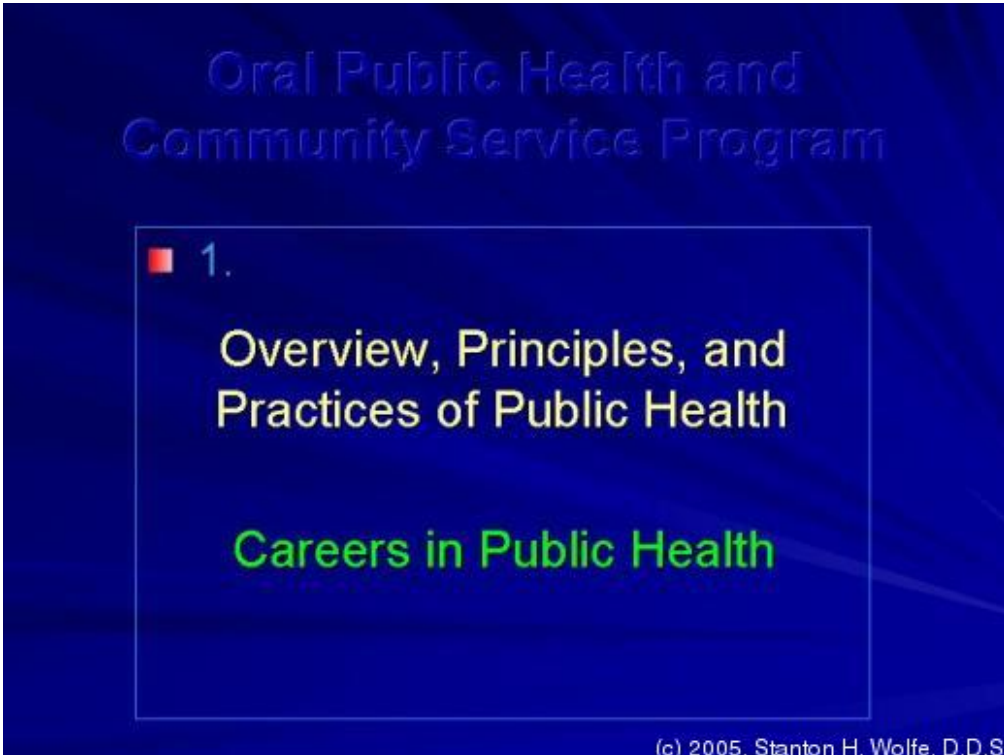
Community Service Learning

- Objectives: to develop the students'
  - Civic engagement, social and cultural awareness, and knowledge and skills needed to provide quality oral health care services to underserved populations
  - Professional and ethical growth by providing compassionate quality oral health care to disparate, underserved, and disadvantaged patient populations

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28.

## Lecture 1 - Slide 29



Oral Public Health and  
Community Service Program

- 1.
  - Overview, Principles, and Practices of Public Health
  - Careers in Public Health

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29.

Lecture 1 - Slide 30

## Careers in Public Health

- **Government: Municipal, State, Federal**
  - Epidemiologist
  - Oral Health Director
    - Assessment / Evaluation / Surveillance
    - Policy making
    - Program development
    - Systems development
    - Research
    - Administration
    - Direct clinical care
- **University faculty**
  - Teaching
  - Research
  - Administration

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30.

Lecture 1 - Slide 31

## Careers in Public Health

- **Corporate consultant**
  - Manufacturers
  - Insurance
  - Private Foundations
- **Contract consultant**
  - Government
  - Communities
- **Community-focused clinical practice**
- **Private clinical practice**



Image courtesy of TUSDM Alumni Magazine Vol9, No1 Winter, 2005

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