# Introduction to Environmental Health Lesson 8. Disease & Injury: Causation and Control 11 April 2012 Chuck Treser Dept. of Environmental & Occupational Health Sciences University of Washington 2

## Announcement DEOHS Seminar: Title: Air Pollution and Cardio-vascular Disease Speaker: Nick Mills, MD, PhD BHF Intermediate Clinical Research Fellow, University of Edinburgh Date: Thursday, 12 April 2012 Time: 12:30-1:30 pm Room: T-435 Health Sciences Center

### Announcements \* The Peace Corps - General Information Session - Wednesday, April 11th - 5:00-6:30 p.m. - Thomson Hall Room 125.

### Course Information Course Information Course Prop-Box: EH 311 Drop Box 2012-2 Exercise #1 - Available now, Closes 5 June Exercise #2 - Available now, Closes 5 June Extra Credit Papers - Available 1 May

#### Lesson Overview

- Finish Epidemiology
- The disease process
- Generic Control Strategies

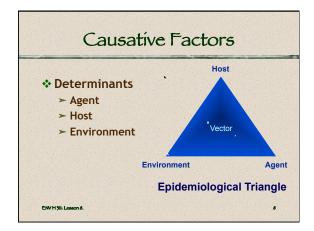
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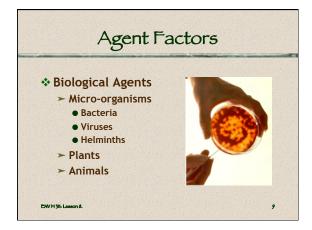
#### Lesson Objectives

- Understand how diseases are transmitted within populations
- Be able to use the Epidemiological Triangle to describe infectious and non-infectious disease and injuries
- Know and be able to give examples of the 4 engineering Generic Control Strategies

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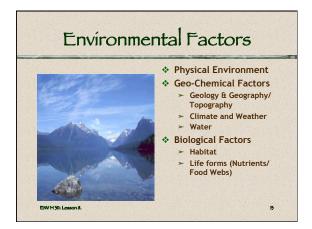


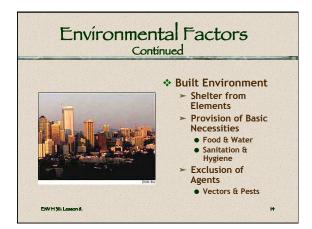


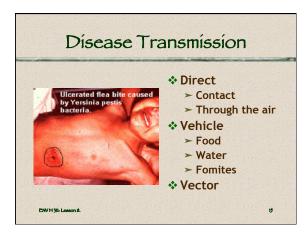


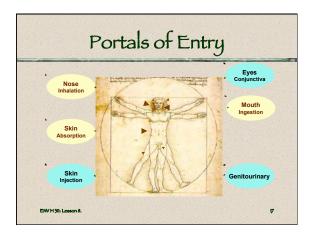


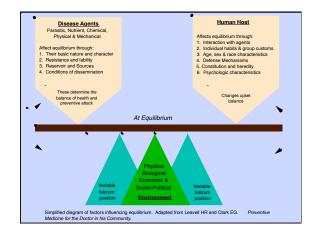


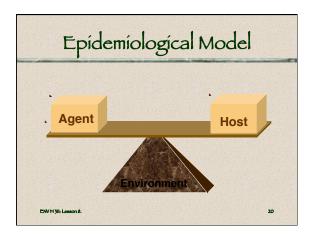


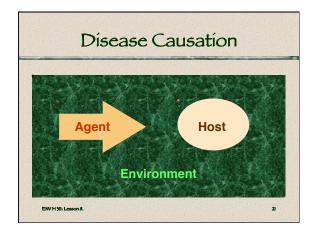


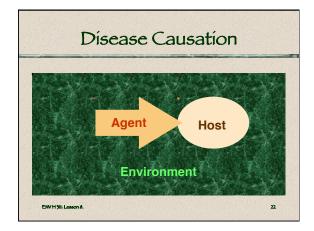




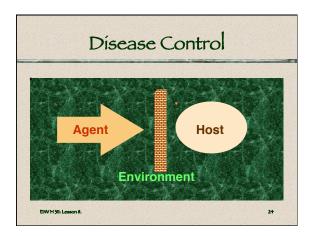






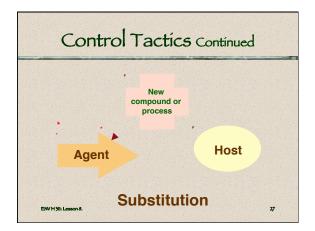


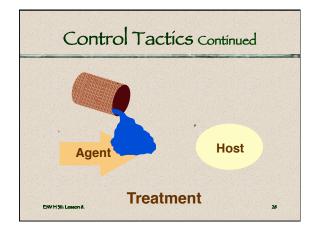


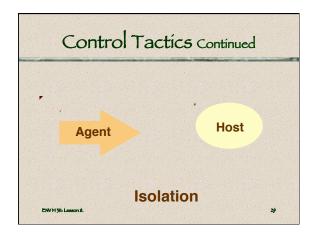


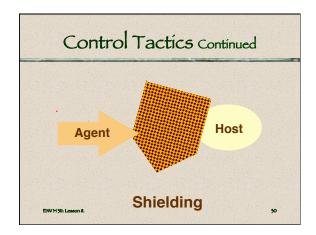
### Prevention & Control Modify the environment Engineering Controls Modify Behavior Legal/Regulatory Controls Administrative Controls Education EMM1381.686688

### © Substitution © Treatment ③ Isolation ④ Shielding









#### Regulatory Controls

- Statutes
- \* Rules and Regulations
- Enforcement Programs
- ❖ Private Sector Control

#### Administrative Controls

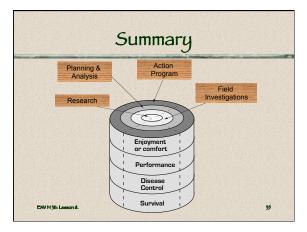
- Planning
- Supervision
- \* Biological Monitoring
- Work Scheduling

#### Education

- **❖** Education
- Training
- Safety campaigns
- Administrative priority

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#### Control Strategies Continued In order of effectiveness Engineering Control Tactics Legal / Regulatory Controls Administrative Controls Education How do we operationalize these?



## Group Assignments ❖ If you can not be here on Monday . . . ➤ Group assignments will be posted on the course web site ➤ However, the groups will choose their topic, so you miss your chance to weigh in on this decision ➤ You will need to contact the other members of your group to catch up.

Next Lesson	
<b>Group Project</b>	
Assignments	
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