

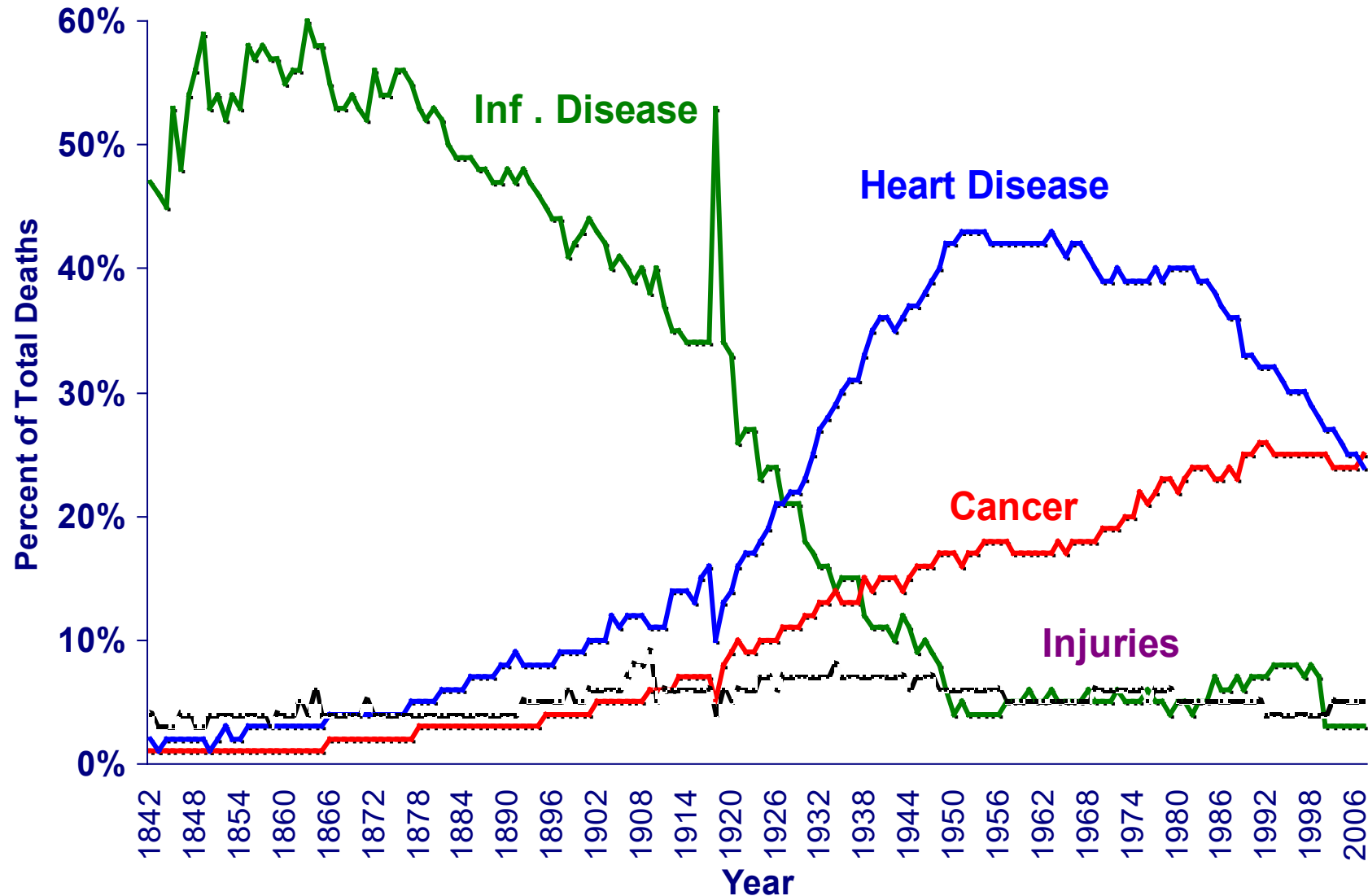
Chronic and Non-Communicable Disease (CNCD) Certificate

Ann Aschengrau, ScD,
Professor, Department of Epidemiology
CNCD Certificate Director



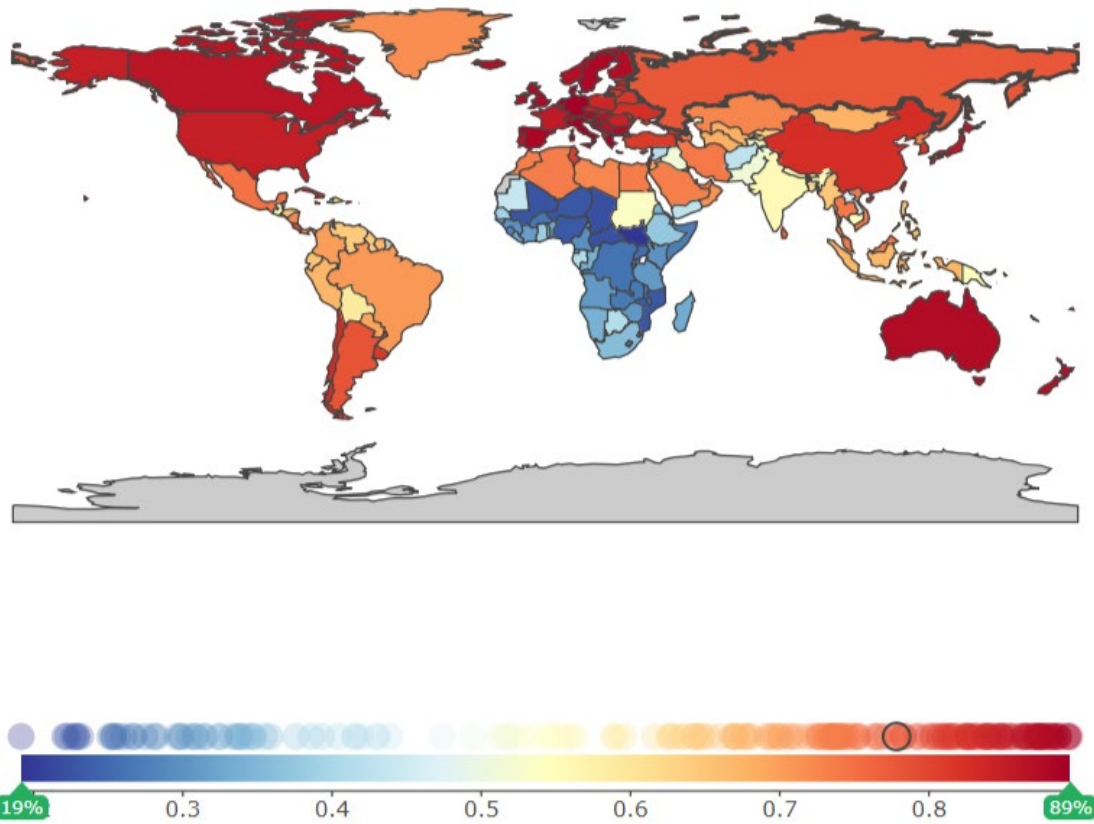
School of Public Health

Causes of Death, Massachusetts Over Time



Global Burden of NCDs

NCDs, % out of total DALYs (both sexes)

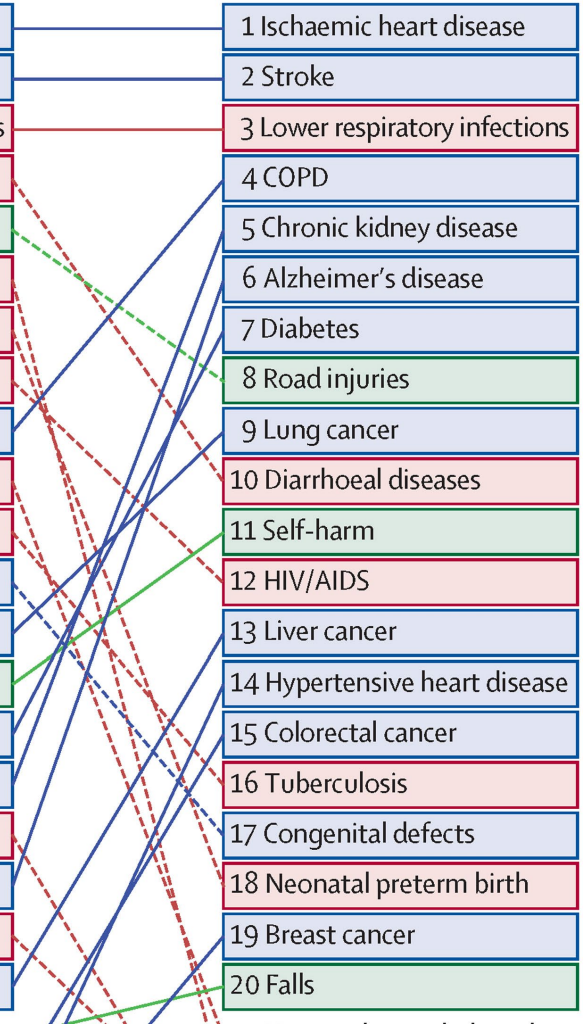


Leading causes 2016

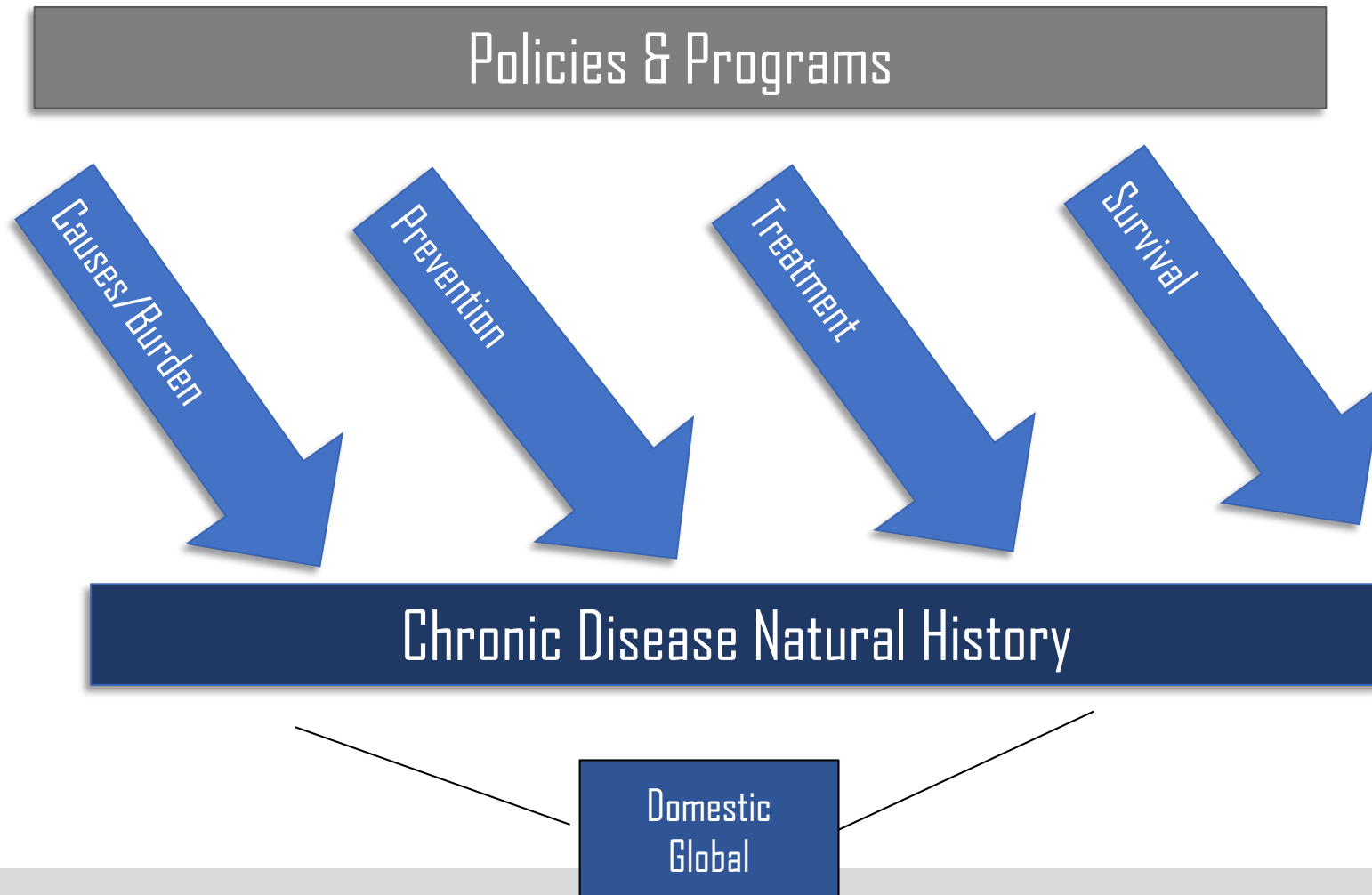
- 1 Ischaemic heart disease
- 2 Stroke
- 3 Lower respiratory infections
- 4 Diarrhoeal diseases
- 5 Road injuries
- 6 Malaria
- 7 Neonatal preterm birth
- 8 HIV/AIDS
- 9 COPD
- 10 Neonatal encephalopathy
- 11 Tuberculosis
- 12 Congenital defects
- 13 Lung cancer
- 14 Self-harm
- 15 Diabetes
- 16 Chronic kidney disease
- 17 Other neonatal
- 18 Alzheimer's disease
- 19 Neonatal sepsis
- 20 Liver cancer

Leading causes 2040

- 1 Ischaemic heart disease
- 2 Stroke
- 3 Lower respiratory infections
- 4 COPD
- 5 Chronic kidney disease
- 6 Alzheimer's disease
- 7 Diabetes
- 8 Road injuries
- 9 Lung cancer
- 10 Diarrhoeal diseases
- 11 Self-harm
- 12 HIV/AIDS
- 13 Liver cancer
- 14 Hypertensive heart disease
- 15 Colorectal cancer
- 16 Tuberculosis
- 17 Congenital defects
- 18 Neonatal preterm birth
- 19 Breast cancer
- 20 Falls



Chronic Disease Intervention Points



CNCD Objectives

- Comprehensive certificate courses provide knowledge and practical skills to address the many challenges posed by these conditions, including
 - ✓ identification of their causes and their distribution by person, place and time
 - ✓ implementation of programs to prevent their occurrence
 - ✓ organizing the medical care system to focus on prevention and high quality management and treatment.
- Ultimate Goal: demonstrate professional knowledge and skills in chronic disease for effective practice in your functional certificate

CNCD Certificate Structure

Stage 1

PH 780 Chronic Disease: A Public Health Perspective

2 credits

Stage 2

Health Policy
and Law

Epidemiology

Program
Management

Community
Assessment

Health
Communication

10
credits

**4 credits can overlap with another
certificate**

CNCD Pre-Approved Courses

Course Requirements

PH 780: Chronic Disease: a public health perspective (2)

Choose 10 additional credits from the following:

Community-Based Prevention Focus

PH 757: Chronic Disease Prevention (4)

MC 770: Children with Special Health Care Needs (4)

SB 710: Nutrition and Public Health (4)

SB 800: Obesity Epidemic (4)

Environmental Health Focus

EH 730: Methods in Environmental Health (4)

EH 705: Toxicology (2)

EH 707: Physiology (2)

EH 757: Environmental Epidemiology (4)

EH 804: Exposure Assessment (4)

Global Health Focus

GH 880: Confronting Non-Communicable Diseases in the Developing World (4)

GH 888: Seminar on Global Health Policy Issues (2)

GH 891: Global Pharmaceutical Policy: At the Intersection of Process and Politics (2)

PH 740: Pharmaceuticals in Public Health (4)

Epidemiology Focus

EP 740: Introduction to the Epidemiology of Aging (2)

EP 748: Drug Epidemiology (4)

EP 752: Cancer Epidemiology (4)

EP 758: Nutritional Epidemiology (4)

EP 762: Clinical Epidemiology (4)

EP 775: Social Epidemiology (4)

EP 790: Mental Health Epidemiology (4)

Policy & Management Focus

PM 755: Health Care Delivery Sys: Issues & Innov (4)

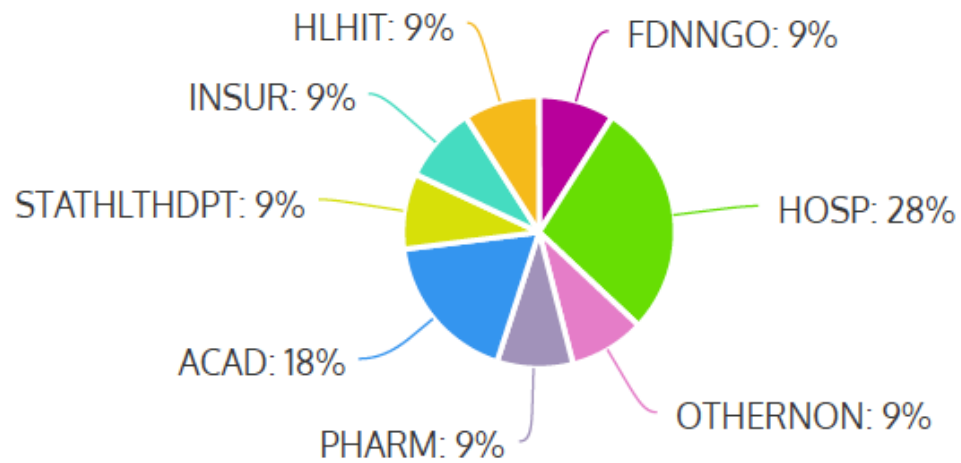
PM 832: Operations Management in Health Care (4)

SNAPSHOT OF CHRONIC AND NON-COMMUNICABLE DISEASES PRACTICUMS

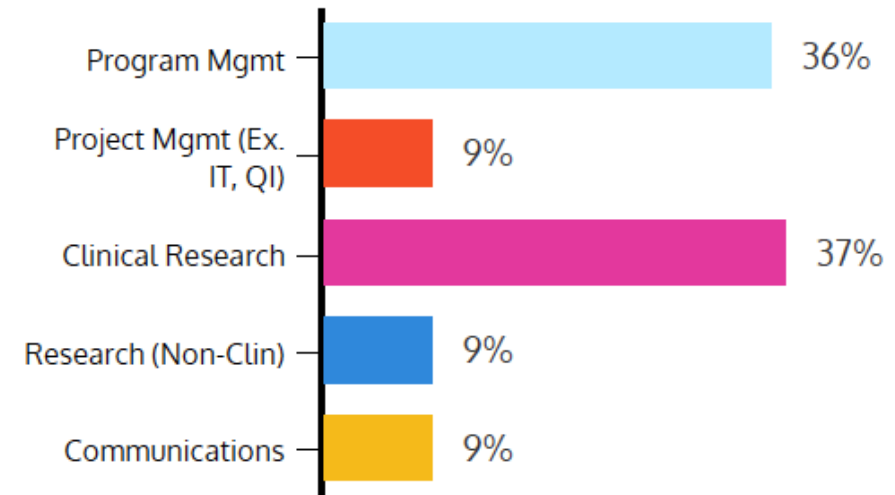
Wellness Challenge Intern	Boston University (Primary Prevention Programs)
Intern (Immigrant Health)	Boston Medical Center
Research Intern (Opioid Use and Chronic Pain Study)	Analgesic Solutions
Graduate Intern	Save the Harbor Save the Bay
Division of Community Health Intern	Brookline Health Department
Communications / Outreach Intern	FriendshipWorks
MBCC Outreach & Communications Intern	Massachusetts Breast Cancer Coalition
Research Assistant/Telemedicine	Boston Children's Hospital
Ad-interim Partners in Health and Housing Committee Coordinator	BU SPH Activist Lab
Research Assistant	PEACH Lab at Perelman School of Medicine, University of Pennsylvania
Research Intern / Research Assistant	Tufts Medical Center
Pediatric Anesthesia Clinical Research Intern	Boston Children's Hospital

2019 MPH EMPLOYMENT AND PRACTICUM DATA CHRONIC AND NON-COMMUNICABLE DISEASES CERTIFICATE

INDUSTRY BREAKDOWN



FUNCTION BREAKDOWN



Snapshot of Chronic and Non-Communicable Diseases Employment

CAPDIE	CHRON DIS	Research Fellow	Cancer Support Community
CAPDIE	CHRON DIS AND MCH	Research Assistant III	Harvard University Clinical and Translational Research Center
HEALTH COMM	CHRON DIS	Neighborhood Director	FriendshipWorks
EPI/BIO	CHRON DIS	Research Assistant II	Harvard University
EPI/BIO	CHRON DIS	Clinical Research Associate II	Seattle Children's Hospital
PROG MGT	CHRON DIS	Program Coordinator	Commonwealth Care Alliance
CAPDIE	CHRON DIS	Program Coordinator	Human Care Systems
EPI/BIO	CHRON DIS	Study Coordinator	Hebrew SeniorLife
EPI/BIO	CHRON DIS	Research Coordinator	West Roxbury VA
PROG MGT	CHRON DIS	Implementation Specialist	Meditech
HCM	CHRON DIS	Cardiovascular Disease Health Systems Specialist	Colorado Dept of Public Health and Environment

Questions?

Ann Aschengrau, ScD
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aaschen@bu.edu