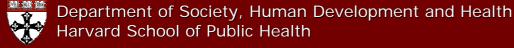
Promoting Transdisciplinary Collaboration in University and Community Settings: Lessons Learned and Exemplars of Success

Karen M. Emmons, Ph.D., K. Vish Viswanath, Ph.D., and Graham Colditz, MD, Ph.D.

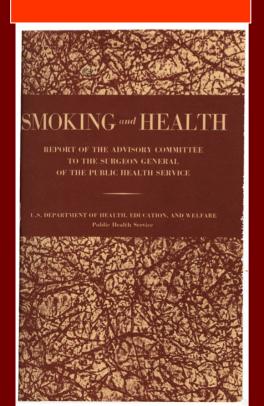
Harvard School of Public Health Dana-Farber Cancer Institute





Epidemiology

 Identify behavioral RFs for preventable diseases

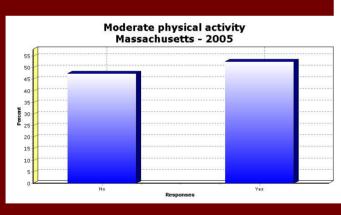


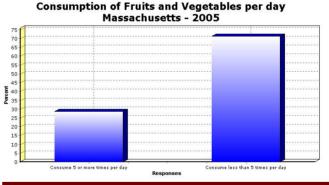
Epidemiology

• Identify behavioral RFs for preventable diseases

Behavioral Science

 High prevalence of behavioral RFs for preventable diseases





Epidemiology

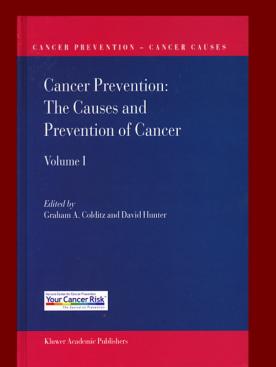
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Behavioral Science

• High prevalence of behavioral RFs for preventable diseases

Epidemiology

 Available Ca Prevention/ ED strategies could reduce US cancer mortality by 60%



Epidemiology

 Identify behavioral RFs for preventable diseases

healthy choices to lowercoloncancerrisk

Behavioral Science

 High prevalence of behavioral RFs for preventable diseases

Healthy Directions taking steps to better health

Epidemiology

 Available Ca Prevention/ ED strategies could reduce US cancer mortality by 60%



Behavioral Science

 Develop new strategies for increasing efficacy of lxs

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Behavioral Science

 Develop new strategies for increasing efficacy of lxs

Why Should Public Health Embrace TD Science?









Why Should Public Health Embrace TD Science?









Why Should Public Health Embrace TD Science?

- A TD approach is much more likely to provide opportunities for synergy across levels of influence
- Inefficiencies of disciplinary silos
- Disciplinary silos limit solutions to disparities, and may make them worse

Examples of TD Initiatives in University Settings





Facilitators

- Translational research highly valued
- -Nodal point interactions created
- -Pilot money available only to new nodal points

Examples of TD Initiatives in University Settings

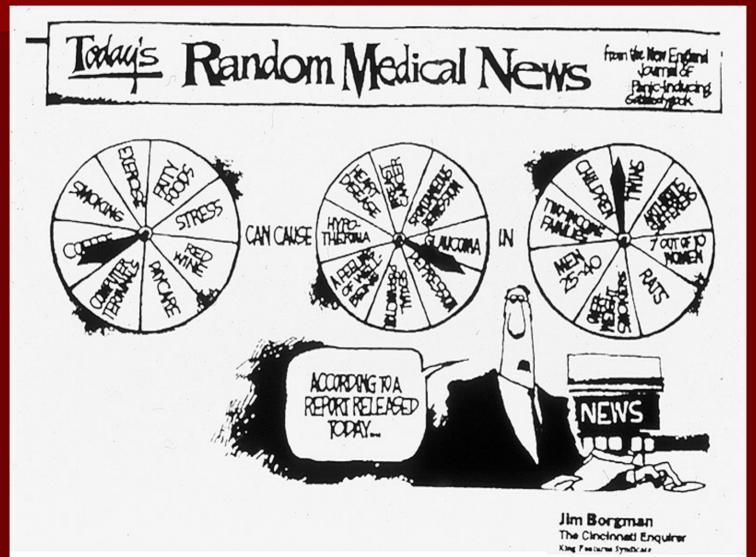




Challenges

- Limited metrics for assessing impact
- Center size
- Geographic dispersion
- What happens when the money gets tight?

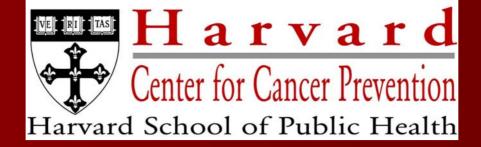
Examples of TD Initiatives in University Settings





Formed among faculty in 1995 to:

- Promote research to speed development of cancer prevention strategies
- Foster education programs for future leaders in cancer prevention
- Communicate to the public what we know about cancer prevention



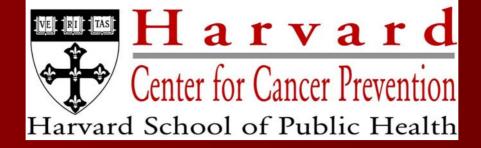
- Formed a working group from among members of the HCCP
- Defined subset of cancer accounting for 80% of US disease burden
- Defined the definite, probable, and possible causes of these cancers
- Developed scales to convert risk factors to level of risk



- Environmental, nutritional, and lifestyle factors considered to be definite or probable causes of these cancers
- Excluded
 - exposures not related to clinical disease
 - exposures with insufficient evidence to allow

inference of causality





- Used expert panel
- Multiple iterations

Rules for assessing strength of

association

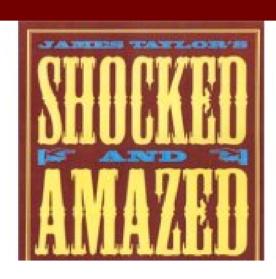


Harvard Center for Cancer Prevention Your Cancer Risk The Source on Prevention



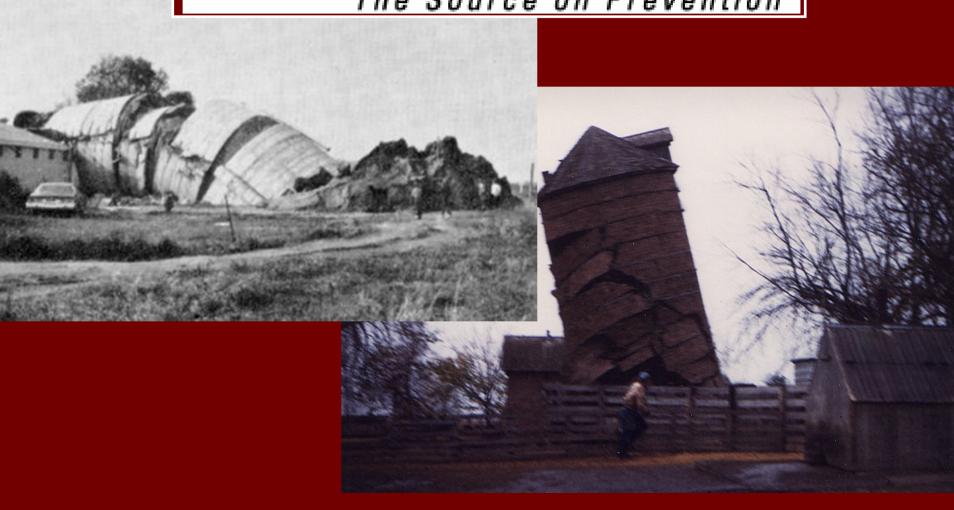
Harvard Center for Cancer Prevention
Your Cancer Risk

The Source on Prevention





The Source on Prevention





Favorites

Address







Estimating Your Risk

About the Center

What Is Cancer?

IT OFF STORES IN

What Is Risk?

What Is a Risk Factor? What Is a Screening Test?



Harvard Center for Cancer Prevention Your Cancer Risk

The Source on Prevention

Background information

Learn About

Disclaimer

Privacy Policy

Cancer Type *

Your Cancer Risk estimates your risk of cancer and provides personalized tips for prevention. It doesn't tell you if you'll get cancer or not. Anyone can use Your Cancer Risk, but it's most accurate for people age 40 and over who have never had any type of cancer.

Fact sheets about each cancer

ninutes to answer some questions. to lower your risk and where to revention efforts.

best way to fight cancer is to keep it

What is Your Risk? Click below to find out:

Breast Cancer

Prostate Caucer

Lung Cancer

Colon Cancer

Bladder Cancer

Melanoma

Uterine Cancer

Kidney Cancer

Pancreatic Cancer

Ovarian Cancer

Stomach Cancer

Cervical Cancer

12 Cancers

- 8 for men
- 11 for women

Your Cancer Riskis an educational web site for informational purposes only. It does not take the place of regular medical check-ups.



"BE CAREFUL! ALL YOU CAN.
TELL ME IS BE CAREFUL!?"

It's not just cancer anymore!

www.yourdiseaserisk.harvard.edu

What's you

cancer risk

What's yo

diabetes

What's

heart d

risk?

The Harvard Center for Cancer Prevention is pleased to announce the launch of Your Disease Risk. Now, in addition to cancer, you can find out your risk of four other important diseases and, as always, get personalized tips for preventing them.

The Harvard Center for Cancer Prevention THE SOURCE ON PREVENTION My results: | colon cancer | \$

Cancer

Diabetes

Heart disease

Osteoperosis

Stroke

What is...? prevention

•risk

What is your risk?

Cancer: There's much more to it than just smoking and lung cancer.

Diabetes: Over 18 million in the U.S. suffer from it. Take steps now to lower your risk.

Heart disease: The #1 killer in the U.S. is also one of the most preventable.

Osteoporosis: Calcium isn't the only way (or even the best way) to protect yourself.

Stroke: Most cases of this feared disease can be avoided refestyle changes.

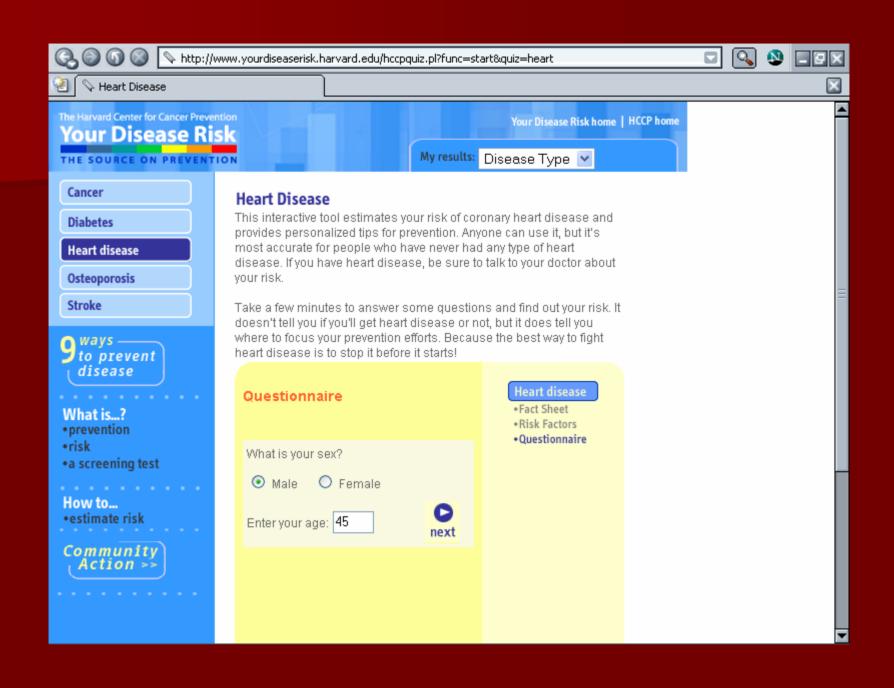
HARVARD CENTER FOR CANCER PREVENTION IARMARD SCHOOL OF PUBLIC HEALTH.

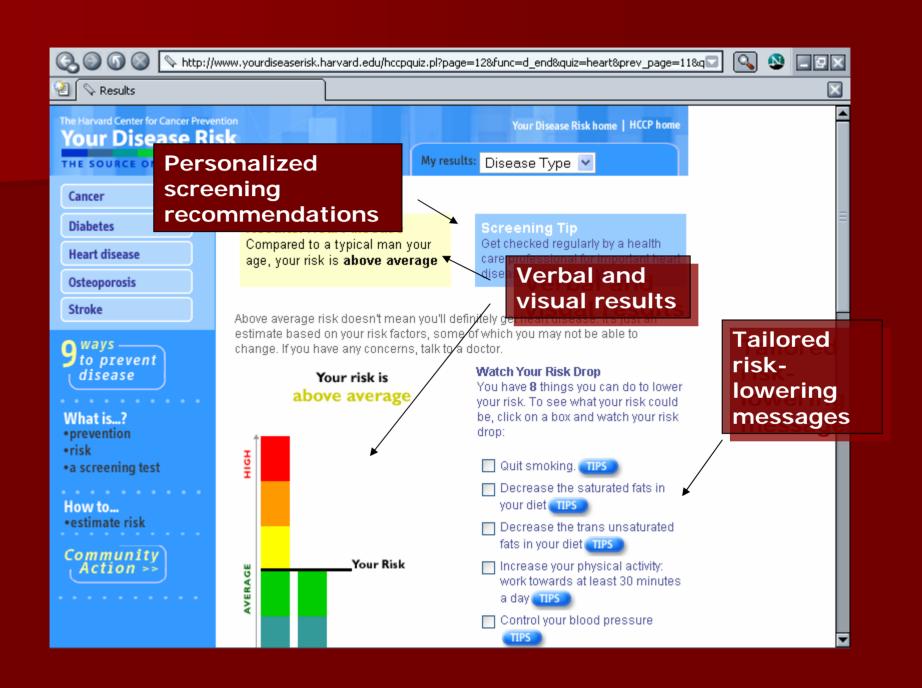
a screening test

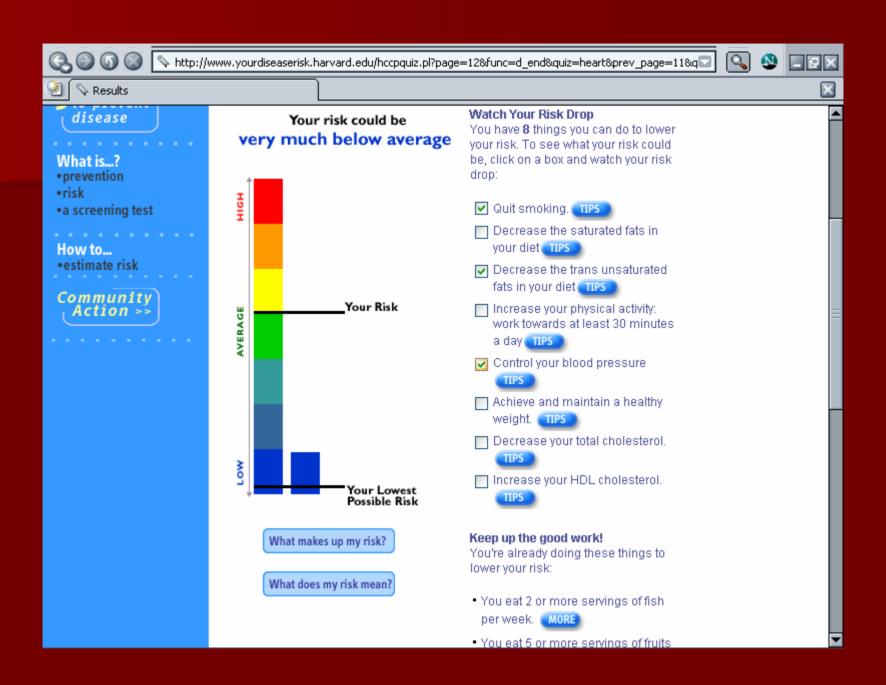
What oster

> W di

risk







Mis resultados: No Results Yet

Cáncer

Diabetes

Enfermedades del corazón

Osteoporosis

Derrame cerebral

FORMAS: de prevenir enfermedades

- examenes

estimar el riesgo

Bienvenido a Cuidar de su Salud, su recurso para la prevención. Si está buscando Su Riesgo de Cáncer, no se preocupe. Está en el lugar indicado. Simplemente nos hemos expandido. Ahora, sumado al cáncer, usted puede encontrar información acerca de su riesgo de padecer cuatro enfermedades muy importantes y, como siempre, encontrará formas personalizadas de prevenirlas.

Por favor, déjenos saber que opina del nuevo sitio completando la siguiente encuesta:

¿CUÁL ES SU RIESGO?		
	CÁNCER: Existe mucho más que fumar y el cáncer de pulmón	¿Cuál es su riesgo de cáncer?
	DIABETES: Más de 18 millones de personas en los Estados Unidos lo sufren. Aprenda ahora como reducir su riesgo.	Cuál es su riesgo de diabetes?
	ENFERMEDADES DEL CORAZÓN: La causa de muerte # 1 en los Estados Unidos es también la más prevenible.	Cuál es su riesgo de enfermedades del corazón?
	OSTEOPOROSIS: El calcio no es la única manera (o siquiera la mejor) de protegerse.	¿Cuál es su riesgo de osteoporosis?
	DERRAME CEREBRAL: En muchos casos, esta temida enfermedad puede ser prevenida mediante cambios de estilo de vida.	Cuál es su riesgo de derrame cerebral?

Limitations of Existing Research

- Small Sample Sizes
- Homogeneous Samples
- Limited Range of Risk Levels
- Limited Range of Tasks
- Unable to Study Interactions

Experiments Conducted on YourCancerRisk

Text only presentations

- Comparison and halving problems (N = 4264)
- Tripling and adding problems (N = 4270)
- Tradeoff and sequence problems (N = 3757)

Text plus graphics

■ Tradeoff problem (N = 1569)

Examples of TD Initiatives in Community Settings

- Community-Based Participatory Research---Principles
 - build on strengths and resources within the community
 - integrate knowledge and action for mutual benefit of all partners
 - promote a co-learning and empowering process
 - facilitate collaborative, equitable involvement of all partners in all phases of the research.

MASS CONECT

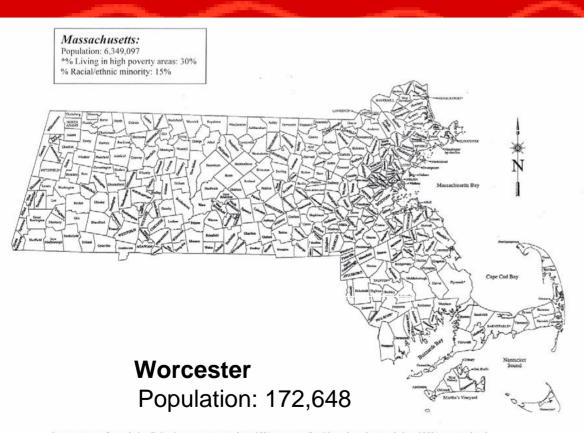
Massachusetts Community Networks to Eliminate Cancer Disparities through Education, Research, and Training

Links DF/HCC and community partners to:

- advance cancer education
- stimulate community-based participatory research
- stimulate state/local level policy initiatives;
- increase use of cancer prevention and clinical services

MASS CONECT

Massachusetts Community Networks to Eliminate Cancer Disparities through Education, Research, and Training



*=percentage of population living in census tracts where 10% or more of residents have income below 100% poverty level

Data Source: US Census 2000

Lawrence Population: 72,043

Boston

Population: 589,141



Rob Rogers

Pittsburgh Post-

Gazette