

# UCLA Third Annual CORICA Symposium 2007



CORICA

UCLA • Community Research in Cancer





# CORICA

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## **VACCINES, VIRUSES & CANCER: The Real Story**

### **2007 Symposium**

## **Roshan Bastani, PhD**

### **UCLA**

School of Public Health

Jonsson Comprehensive Cancer Center

Division of Cancer Prevention and Control Research

Tuesday, May 22, 2007

# Leading Cause of Deaths

USA

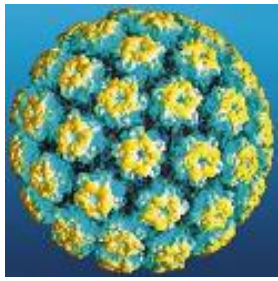
<b>Age</b>	<b>Disease</b>
<b>35-44</b>	<b>Cancer</b>
<b>45-54</b>	<b>Cancer</b>
<b>55-64</b>	<b>Cancer</b>
<b>65-74</b>	<b>Cancer</b>
<b>75-84</b>	Heart Disease
<b>85+</b>	Heart Disease

# Leading Causes of Cancer Deaths

## Causes of Cancer Deaths in the United States

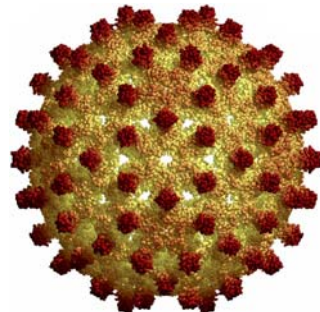
Risk Factor	Percent
Tobacco	30%
Nutrition/Obesity	30%
Inactivity	5%
Family history of cancer	5%
Viruses and other biological agents	5%
Reproductive factors	3%
Alcohol	3%
Socioeconomic status	3%
Environmental pollution	2%
Ionizing/ultraviolet radiation	2%

Source: Adapted from the Harvard Report on Cancer Prevention, 1996.



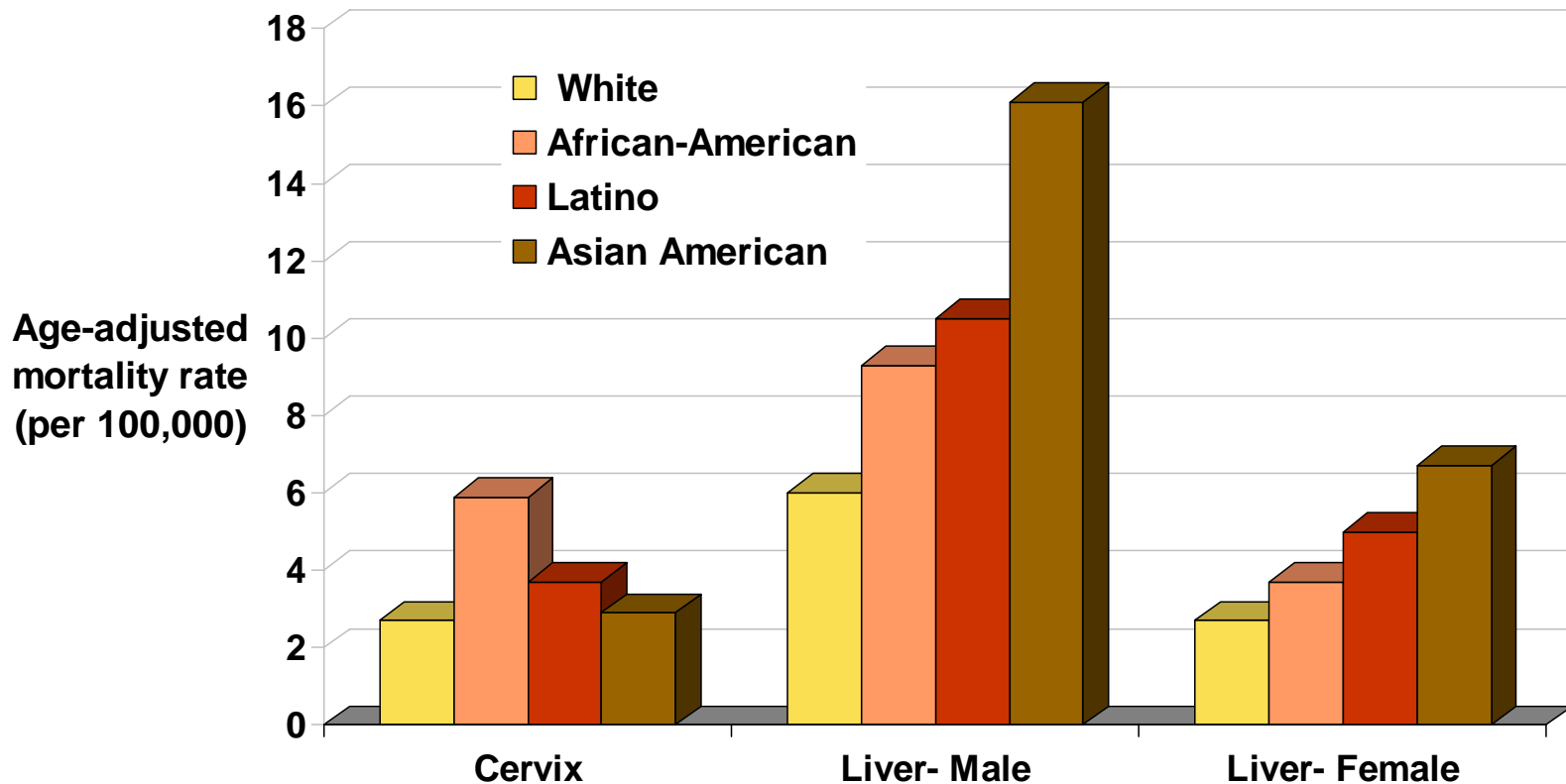
# Viruses and Cancer

- Causes of cancer are complex - difficult to pinpoint exact causal agents
- Viruses are causal factors in some cancers
- Examples: cervix and liver cancers
- Effective vaccines to prevent cervical and liver cancer are available
- Vaccination and screening can reduce burden of these cancers in minority communities



# Ethnic Variation in Cancer Mortality

USA



# Other Modifiable Risk Factors

- Tobacco linked to cervical cancer
  - Smoking
  - Environmental exposure
- Liver cancer
  - Obesity, physical activity, diet
  - Alcohol use
  - Tobacco use





2004-2009



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*Principal Investigator*  
**Roshan Bastani, PhD**

*Co-Principal Investigators*  
**Antronette Yancey, MD, MPH**  
**Annette Maxwell, DrPH**  
**Beth Glenn, PhD**

*Project Director*  
**Ritesh Mistry, PhD**

*Project Coordinator*  
**Irene Pena, MA**



2000-2010

UCLA • LOS ANGELES



**A S I A N  
A M E R I C A N  
N E T W O R K  
for  
C A N C E R  
A W A R E N E S S  
R E S E A R C H  
T R A I N I N G**

*Principal Investigator*  
**Marjorie Kagawa-Singer, PhD, MN, RN**

*Co-Principal Investigator*  
**Roshan Bastani, PhD**

*Project Director*  
**Koy Parada, MPH**

# Long Term Goal

Reduce cancer disparities in our diverse populations

## University



## Community



# CORICA AIMS

## ❖ Conduct & evaluate community-based programs to prevent and control cancer with focus on:

- Obesity, Nutrition and Physical Activity
- Cancer Screening
  - HPV and hepatitis B testing and vaccination
- Tobacco

## ❖ Disseminate evidence based approaches



# CORICA Community Activities

## ❖ Awareness and education activities

- Annual symposia
- Newsletters and reports
- Training events

## ❖ Community Pilot Program Funding

to community-based organizations (CBOs) for cancer prevention and control activities

## ❖ Interns placed in CBOs

## ❖ Provide **technical support** for research activities

- analyze data on CBO-initiated programs
- co-authoring scientific publications, e.g., journal articles, legislative policy briefs

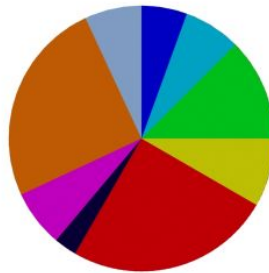
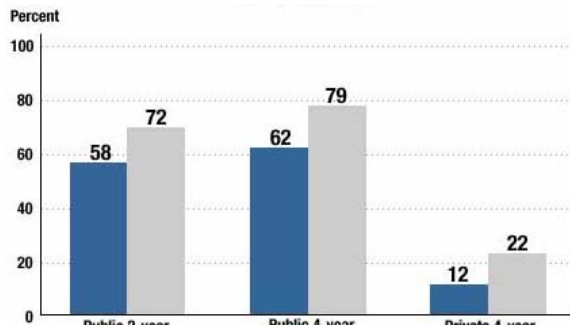


# Community-Based Cancer Prevention and Control Programs are Critical

**Important to only implement programs  
that work**

How do you know if a program is effective?

**RESEARCH**



# Long Term Goal

Reduce cancer disparities in our diverse populations

## University



## Community



*Thank You*

# CORICA Symposium Planning Committee

## COMMUNITY

**Matilde Gonzalez**

American Cancer Society

**Debra Rosen**

North East Valley Health Corporation

**Rita Singhal**

Office of Women's Health

**Zul Surani**

NCI Cancer Information Service

**Audrey Navarro**

NCI Cancer Information Service

**Jackie Tran**

Weaving Islander Network for Cancer Awareness  
Research Training

## UCLA

Alison Herrmann

Beth Glenn

Joyce Guinyard

Ritesh Mistry

Koy Parada

Irene Peña

Lorena Porras

*Thank You*

**UCLA DCPCR STAFF**

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Minal Patel

Sylvia Rico

Pamela Willis