Cancer Prevention in the Community

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"Cancer Prevention"

1 DOSE VIAL 0.5 Human Papilloman Quadrivalent Types 6, 11, 16, and Vaccine, Recombina GARDASIL®

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Is there more to "Cancer Prevention?"





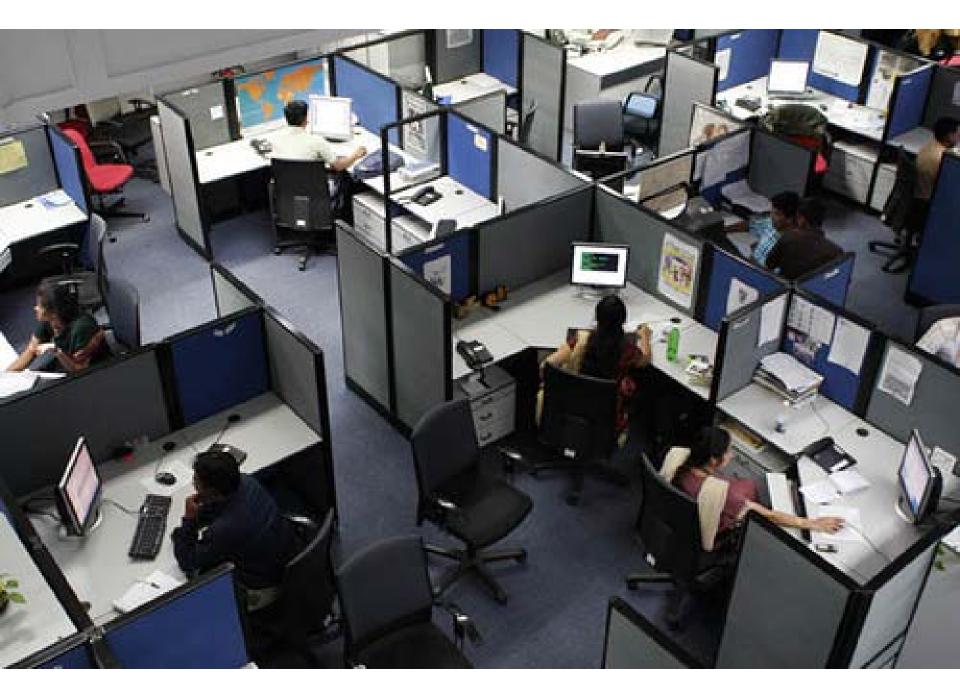












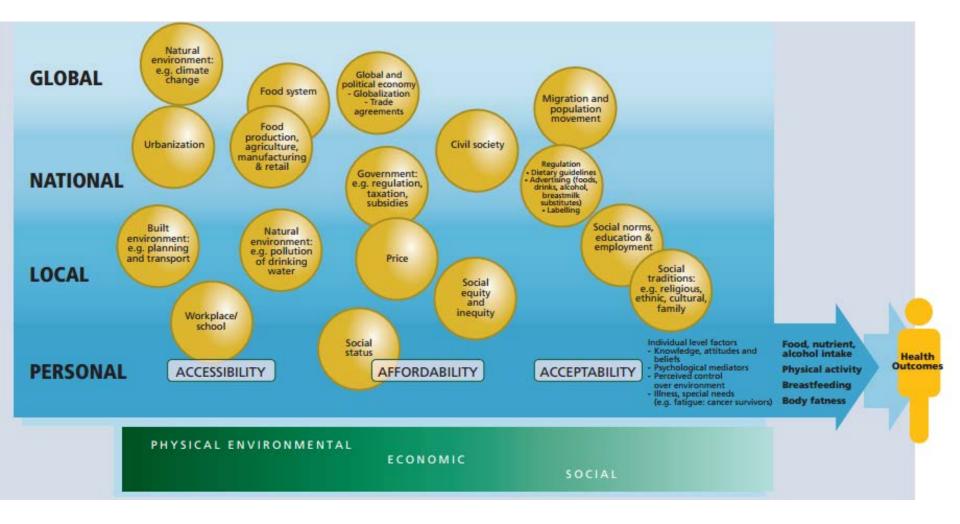


<, L	EVELS OF	PREVENTION	
Whole population through public health policy	Whole population selected groups and healthy individuals	Selected individuals with high risk patients	Patients
PRIMORDIAL PREVENTION establish or maintain conditions to minimise hazards to health	PRIMARY PREVENTION prevent disease well before it develops Reduce risk factors	SECONDARY PREVENTION early detection of disease (e.g. Screening & Intervention for Pre diabetes)	TERTIARY PREVENTION treat established disease to prevent deterioration
Advocacy for social change to make physical activity easier	Primary care advice as part of routine consultation	e.g. primary care risk factor reduction for those at risk of chronic disease, falls, injury	e.g. exercise advice as part of cardiac rehabilitation

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Factors that affect risk of cancer



Sources: World Cancer Research Fund International

- Lifestyle
- Environment
- Social
- Economic

Epidemic of Cancer

- Cancer is one of the world's leading cause of death
- Currently estimated at 8.2 million deaths annually
- Expected to rise by 75% to nearly 25 million by 2035
- Cancer prevention will be key

Lifestyle and Cancer

- 1/3 of most common cancers are preventable through a nutritious diet, maintaining a healthy weight, and regular physical activity
- 1/3 of the world's population is obese or overweight

Sources: World Cancer Research Fund International; Lancet

Lifestyle and Cancer

- Research shows strong link between overweight/obesity and at least nine cancers:
 - Ovarian
 - Prostate
 - Bowel
 - Kidney
 - Gallbladder
 - Womb
 - Esophageal
 - Pancreatic
 - Breast (post-menopause)

Lifestyle Factors and Cancer

- Level and frequency of physical activity
- Dietary choices: sugary drinks, calorie intake, plant vs. animal foods, processed foods
- Alcohol consumption
- Breastfeeding

Estimates (PAF%)¹of cancer preventability by appropriate food, nutrition, physical activity and body fatness² in the USA

	By appropriate food,nutrition, and physical activity and body fatness ²		ropriate body s only ^{2,3} Female
Stomach	47	-	-
Pancreas	39	34	25
Gallbladder	21	11	28
Liver	15	-	-
Colorectum	45	16	3
Breast	38	-	17
Endometrium	70	-	49
Prostate	11	-	-
Kidney	24	20	28

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Environment and Cancer

- Built environment: walkability, parks, recreational facilities
- Planning and Transport: facilities for breastfeeding, transportation systems and networks
- Food production: animal production, availability of fresh produce
- Retail and restaurant food service: access, marketing
- Climate and terrain: climate change, safe water

Economic Factors and Cancer

- Food and drink processing: food labeling, reduced portion sizes
- Availability and price: farm subsidies, taxes on certain foods and alcohol, incentives for healthy food and exercise
- Economic globalization: global food trade on production systems

Social Factors and Cancer

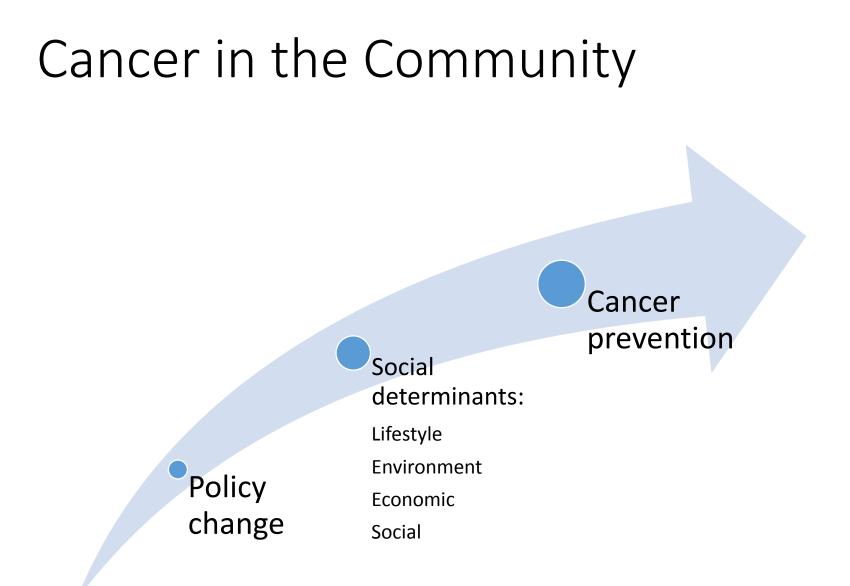
- Ethnicity and culture: traditional diets, breastfeeding
- School and work: education, limiting the unhealthy and promoting the healthy
- Social status and equity

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Social Determinants of Health

Social determinants require a comprehensive approach

- Environmental policy
- Food policy
- Planning and zoning, housing and community design
- Medical community
- Education
- Transportation
- Public safety
- Job opportunities and economic development
- Poverty
- Culture, language/literacy



Policy Change and Cancer

- Legislation
- Regulations
- Programs
- Grants/Funding
- Research
- Communications/outreach
- Education

Questions?

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