

Status of Non-communicable Diseases in India in Global Context

**Seminar on Nutrition & Lifestyle for
Emerging NCD Challenges
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Disease Burden due to NCDs

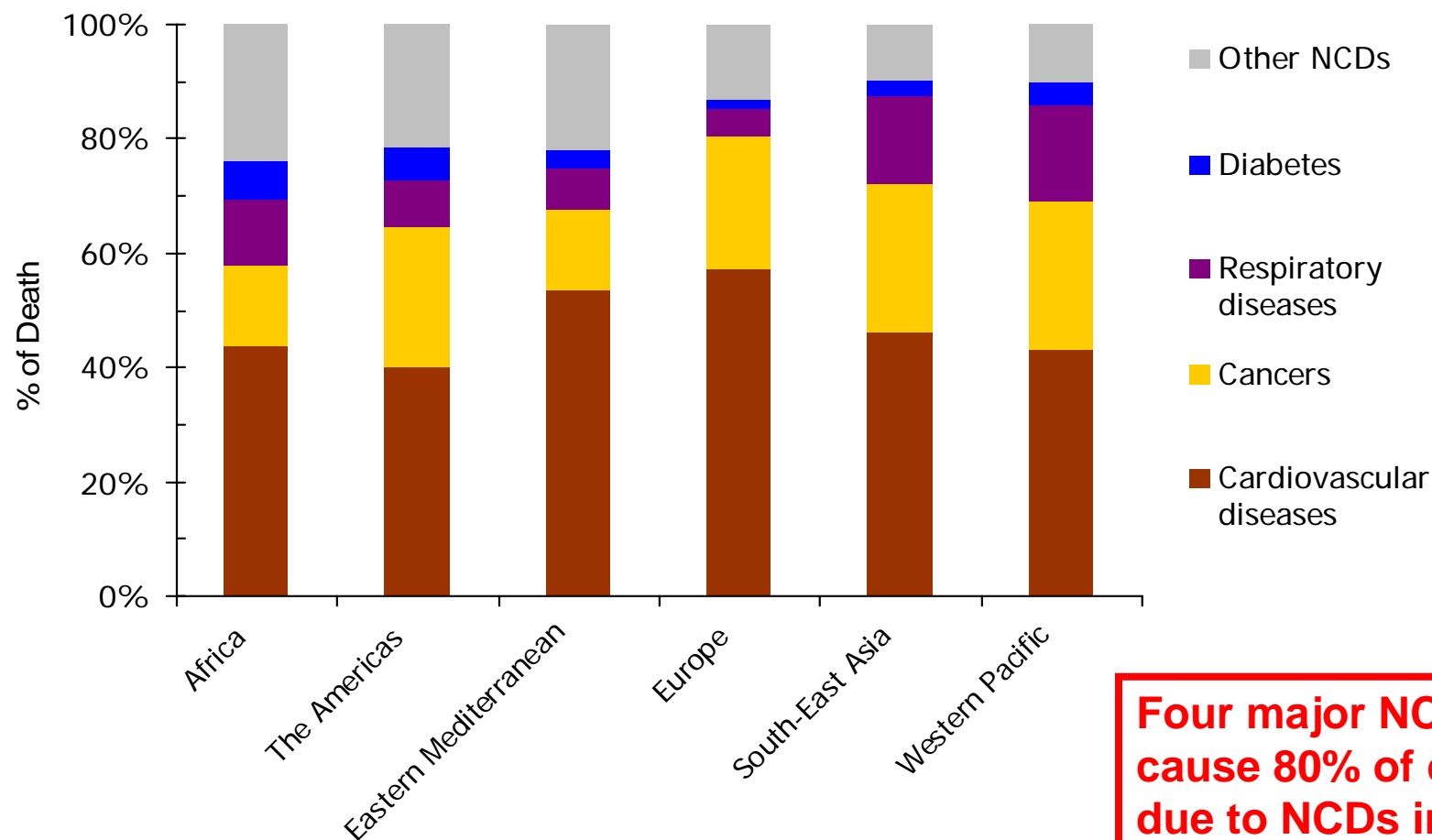
Mortality estimates due to NCDs

- Globally all deaths (2005) 58 million*
- Globally deaths due to NCD (2005) 35 million*
(60.3%)
- All deaths in India (2004) 10.3 million #
- Deaths due to NCDs in India (2004) 5.2 million #
(50.5%)

** Source: WHO*

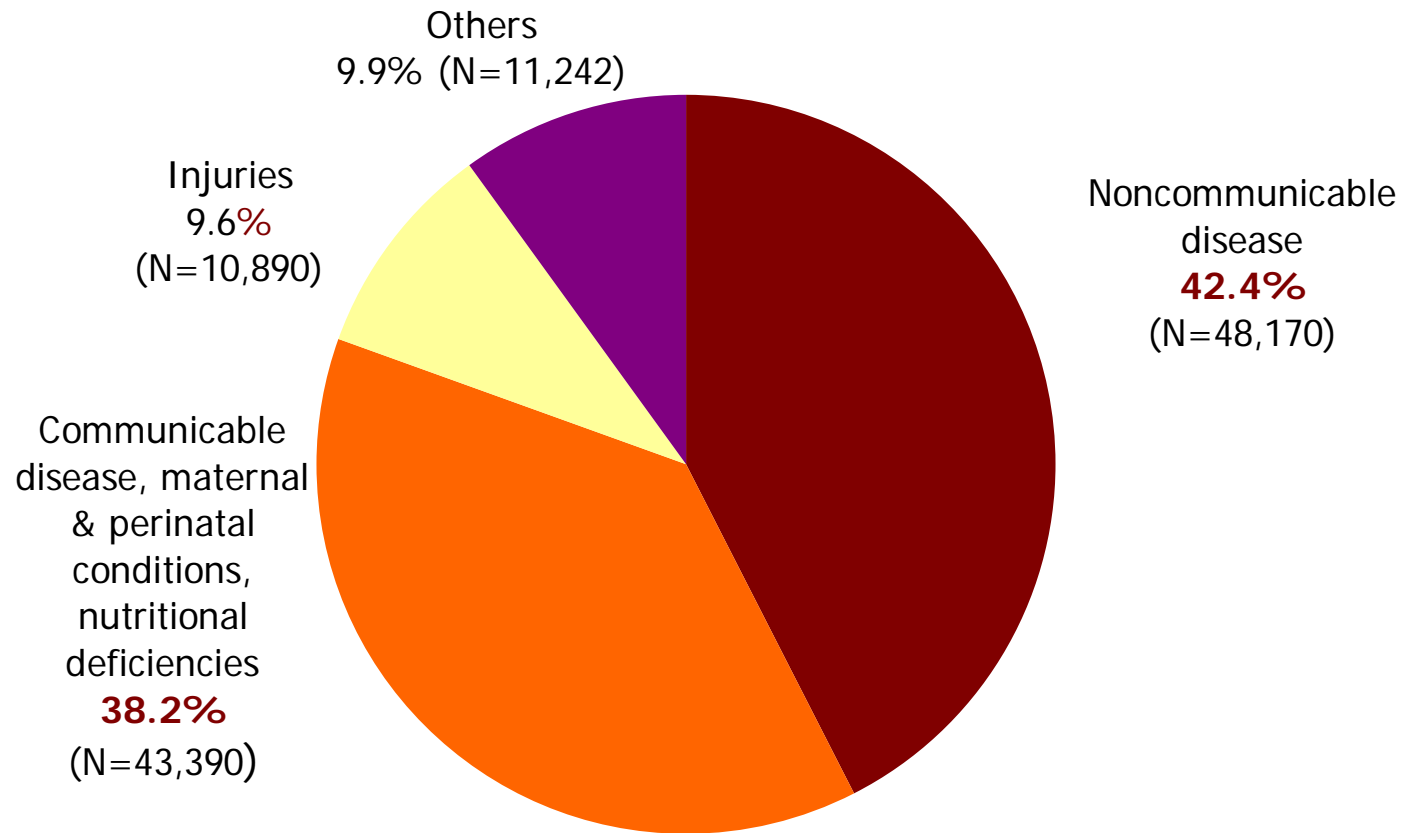
Source: ICMR

Percentage of NCD deaths, by cause in WHO Regions, 2008



**Four major NCDs
cause 80% of deaths
due to NCDs in all
WHO Regions**

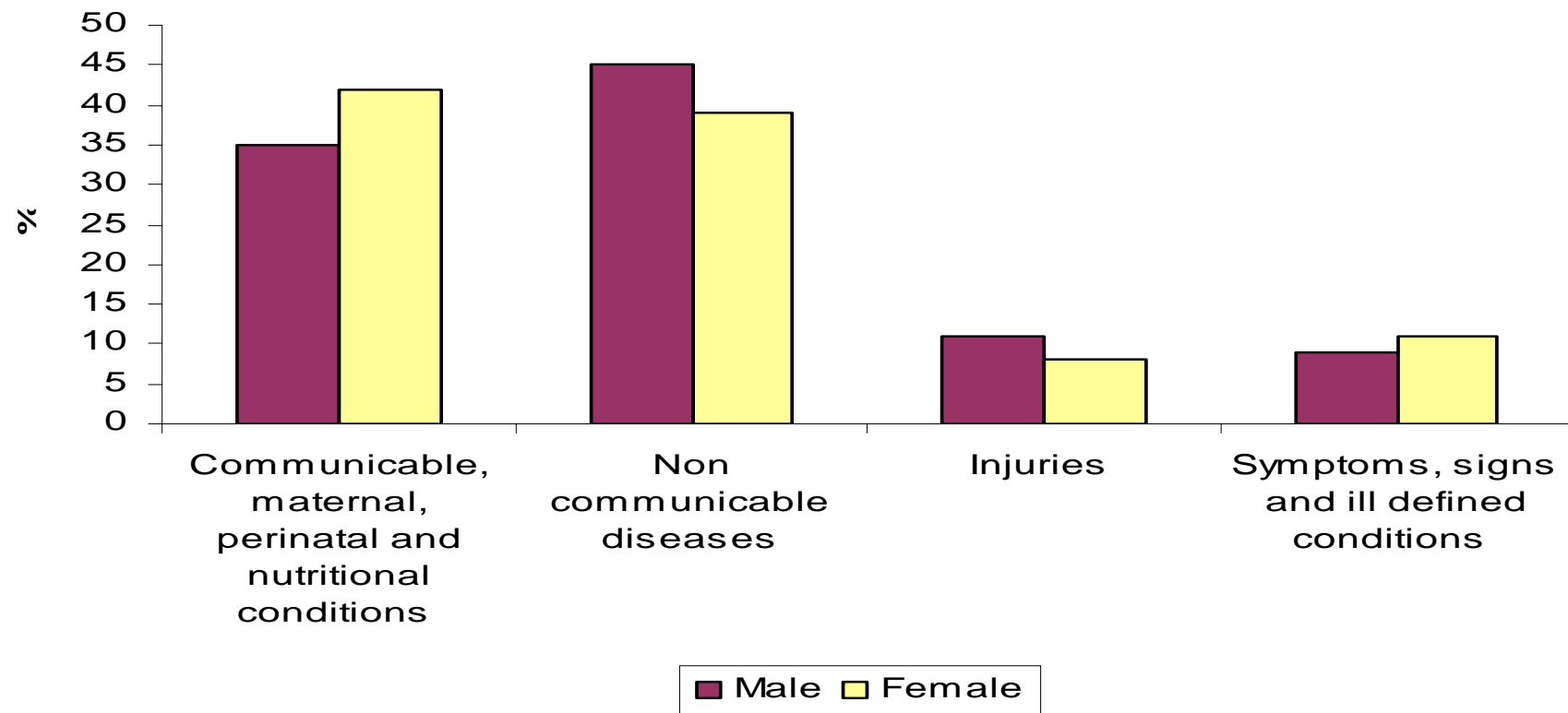
Distribution of deaths by major cause-India 2001-2003



Deaths due to NCDs outnumber deaths due to communicable diseases, maternal and perinatal causes and nutritional conditions combined

Source: RGI-CGHR Million Death Study

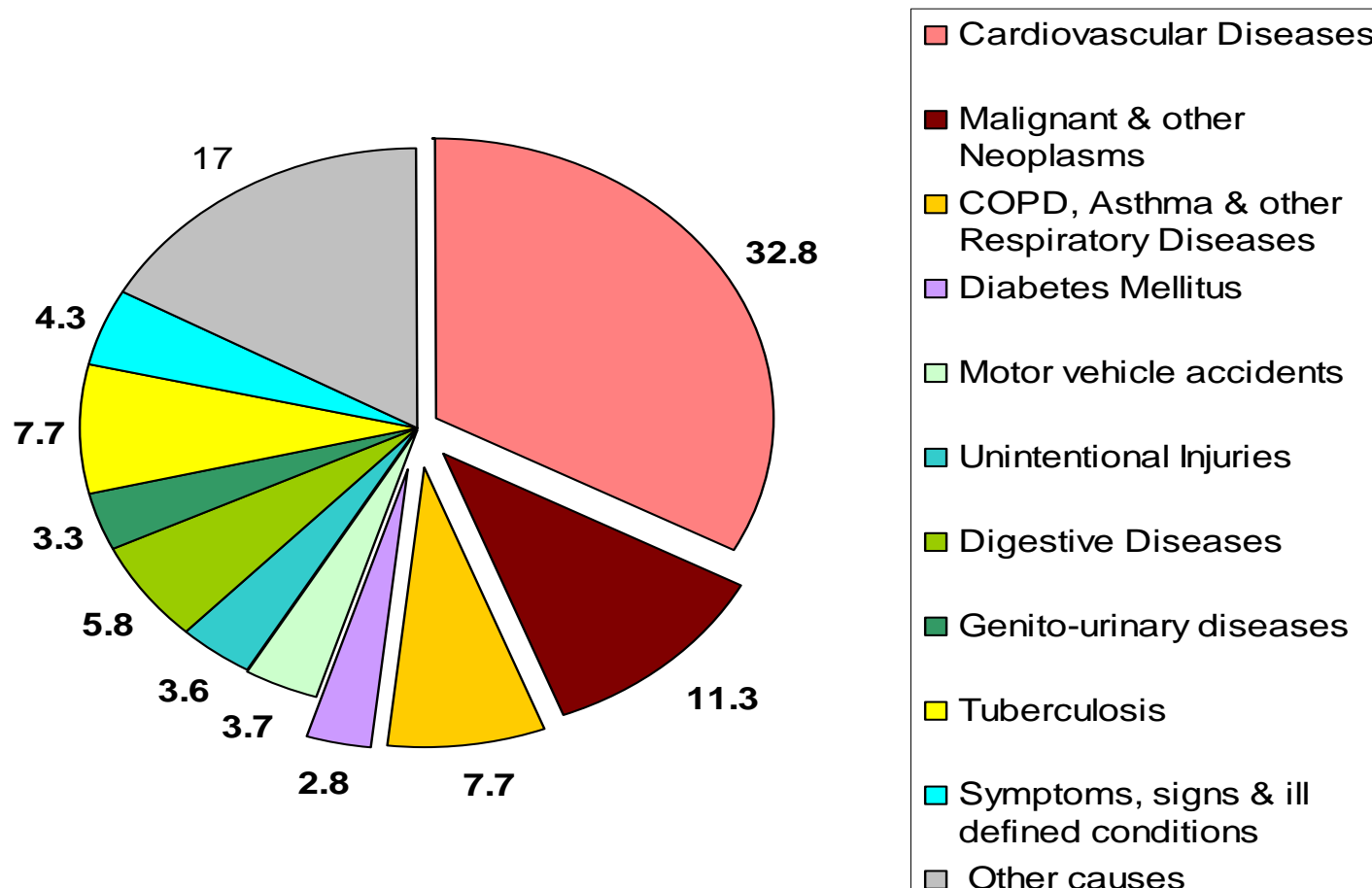
Distribution of deaths by major cause among men and women, India: 2001-03



Among men, NCDs cause majority of deaths whereas ; among women, communicable diseases along with maternal and child health and nutritional conditions are leading causes of deaths closely followed by NCDs

Source: RGI-CGHR Million Death Study

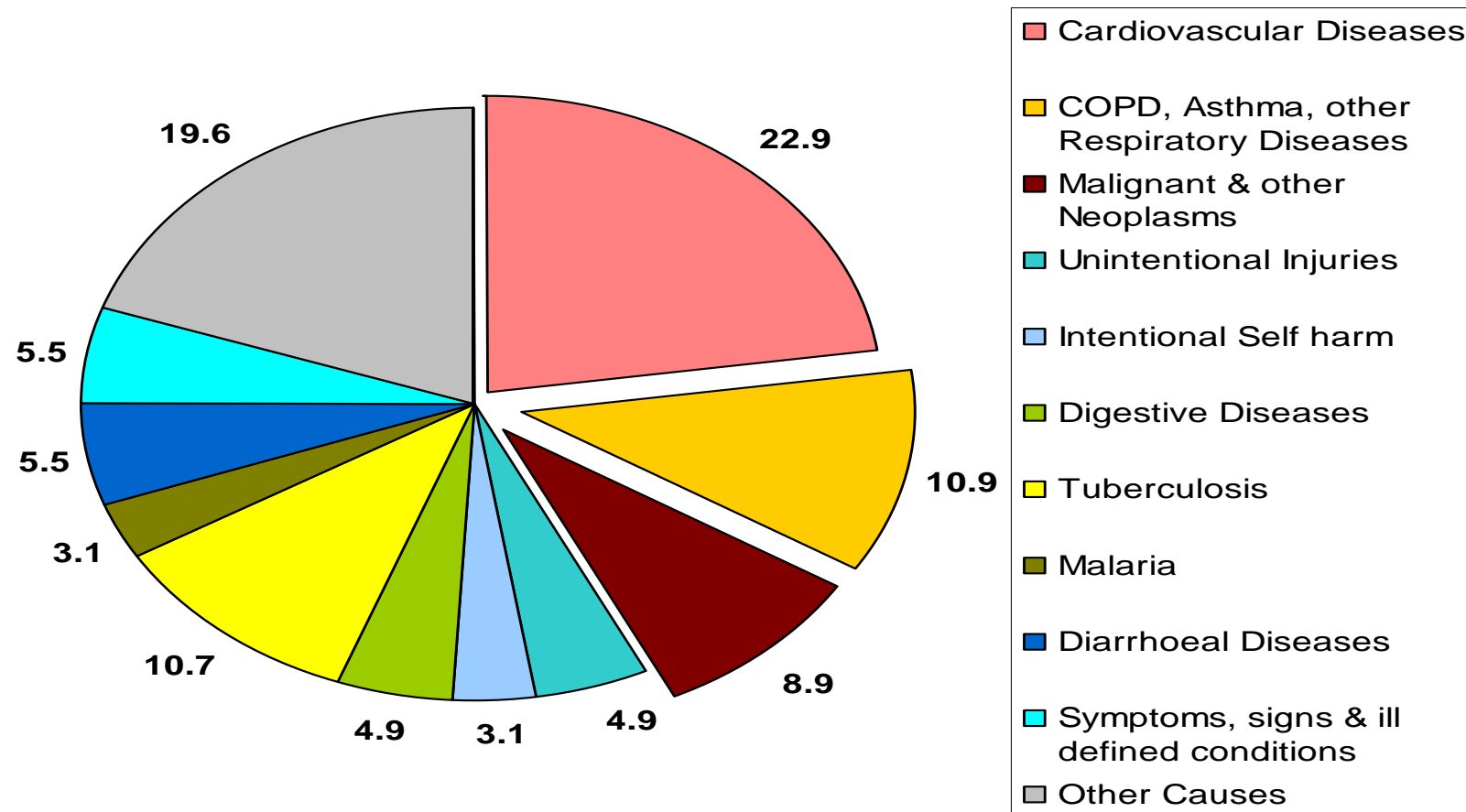
Causes of Death (%) in Urban Population (25 to 69 years) India: 2001-2003



4 major NCDs- Cardiovascular diseases, Malignant & other Neoplasms, COPD, Asthma & other respiratory diseases & Diabetes Mellitus contributes to 55% of the total reported deaths in urban area

*Source :Special Survey of Deaths,
Registrar General of India*

Causes of Death (%) in Rural Population (25 to 69 years) India: 2001-2003



3 major NCDs-Cardiovascular diseases, COPD, Asthma & other respiratory diseases, Malignant & other Neoplasms contributes to 43% of the total reported deaths in rural area

*Source :Special Survey of Deaths,
Registrar General of India*

Disease Burden due to NCDs

- More than 20% of the population have at least one chronic disease
- More than 10% have more than one chronic disease

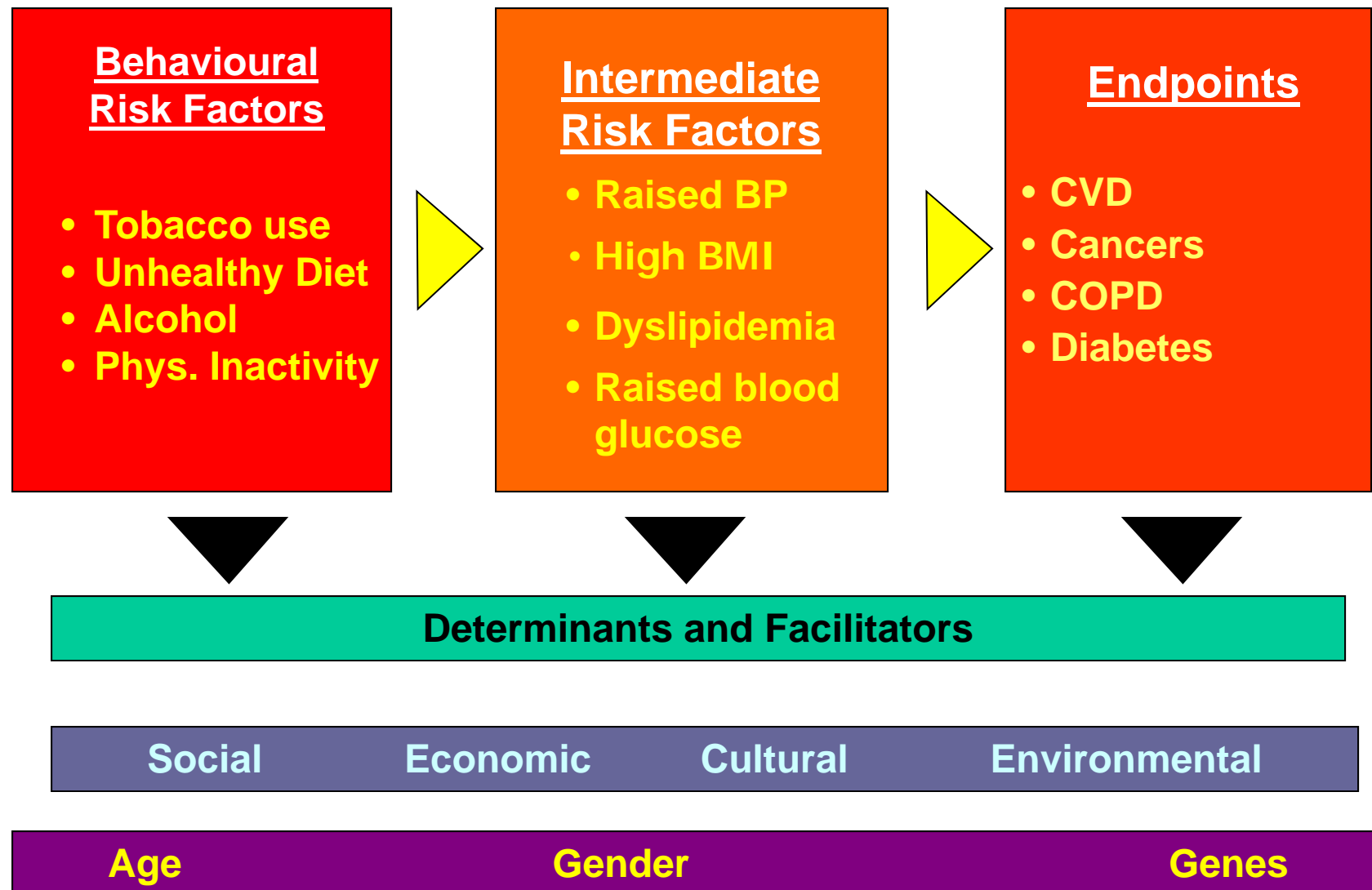
Current Status & Future Trends on Key NCDs in India

Diseases	Existing Burden and Trends
Cancer	28 lakh (2010); Incidence 10 lakh in a year; 20-25% increase in 5 years
Cardiovascular Diseases	2.9 crore (2000); Expected to rise to 6.4 crore by 2015
Stroke	20 lakh
Diabetes	5.1 crore (2010); Expected to rise to 8 crore by 2030
Chronic Kidney Disease	Incidence of End Stage Renal Disease /year = 175/ million population
Chronic Lung Disease	Burden: 3.9 crore
Mental Disorders	6-7% of population; 1-2% have severe mental disorders;

Risk Factors & Determinants of NCDs

NCD: From Risk Factors to Disease

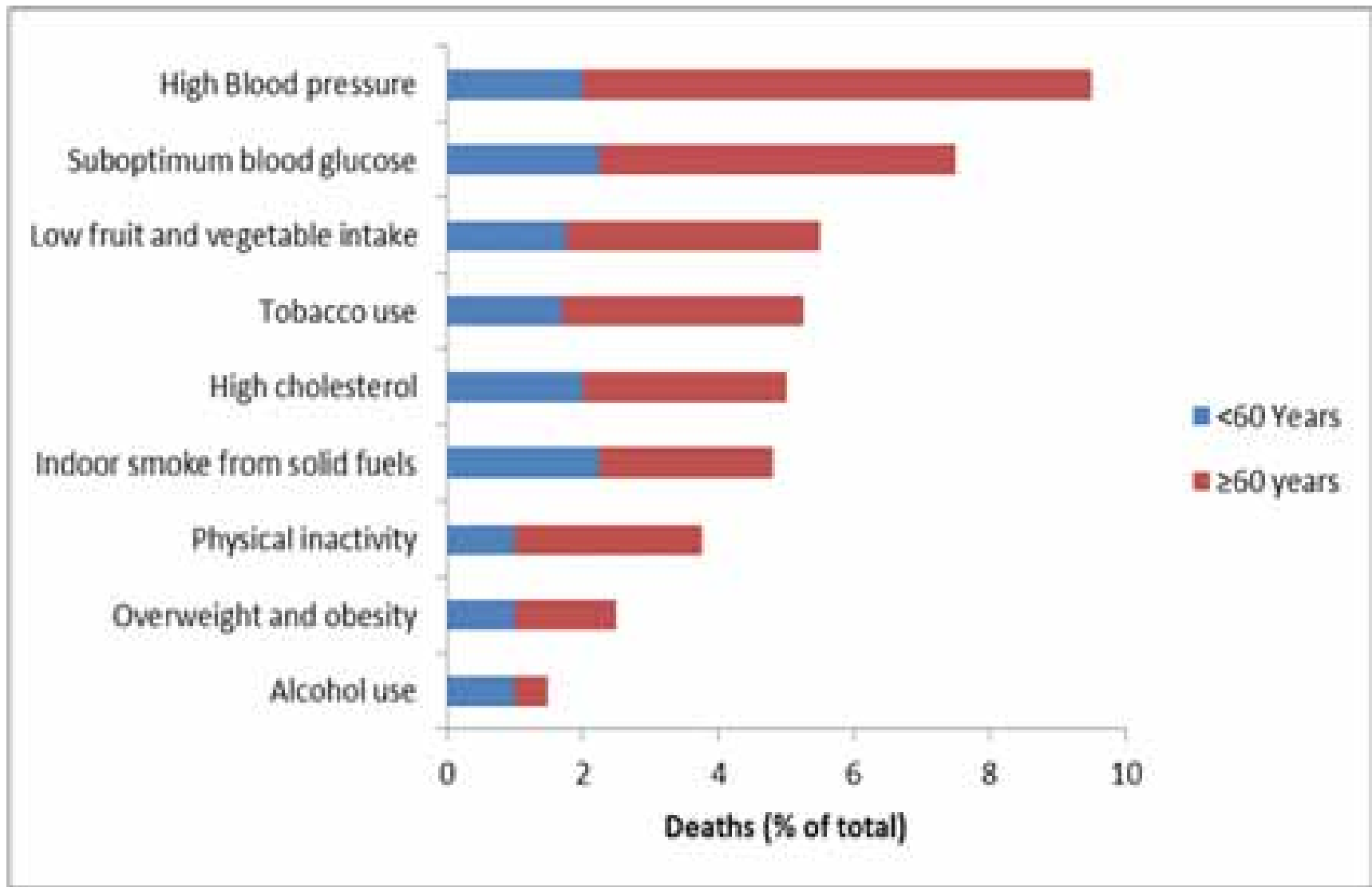
"Evidence, Policy, Action, Partnership"



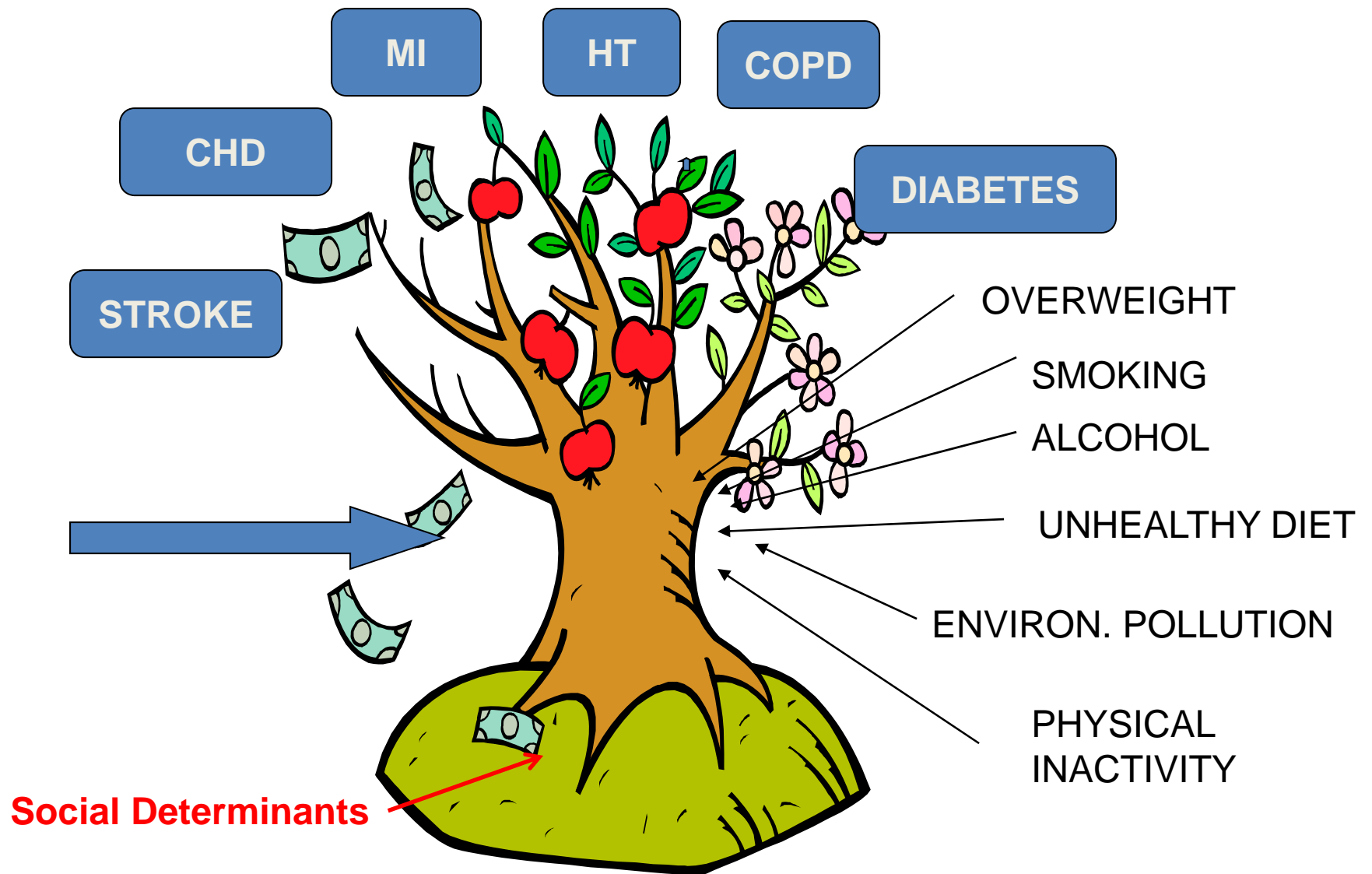
The four major NCDs are caused by four *common* lifestyle related risk factors—tobacco use, unhealthy diet, physical inactivity and harmful use of alcohol

NCDs	<u>Shared Risk Factors</u>			
	Tobacco use	Unhealthy diets	Physical inactivity	Harmful use of alcohol
Cardiovascular diseases	✓	✓	✓	✓
Diabetes (Type II)	✓	✓	✓	✓
Cancer	✓	✓	✓	✓
Chronic respiratory disease	✓			

Deaths caused by NCD Risk Factors in India



Disease Prevention and Health Promotion



Hit the Route & Trunk, branches will fall automatically

