#1669 - Years of potential life lost caused by prostate cancer deaths in Yazd – 10 years analysis

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Introduction :

Number of deaths have often been measured to monitor the population health status and priority of health problems. The aim of this study was to quantify the impact of all **prostate cancer**on mortality in Central province of Iran in terms of years of life lost, an indicator of premature mortality in the population to provide planners with baseline data.

Materials and Methods:

The number of deaths from **prostate cancer** (In International Classification of Diseases (ICD 10), are classified under the C60-C63) in Yazd Province from 2001 to 2010 was obtained using the death registration system of provincial health center. Those deceased whose residence was registered out of Yazd Province were excluded. Calculate the YLL, based on each individual's age at death, and the standardized expected YLL method was used with a discount rate of 0.03, the age weight of 0.04, and correction factor of 0.165. All data were analysed and prepared in Excel.

Results :

In this period, prostate cancer was the 4th most common cause of death in men with 324 deaths (10 % of total deaths due to cancers). Mortality rates per 100,000 inhabitants who died from prostate cancer increased from 4.7 to 8.8 between 2001-2010. Premature cancer deaths have caused 1359 YLL. The number of YLL caused by prostate cancer deaths increased 2 times in the province from 94.7 in 2001 to 196.5 in 2010. The average death age was 78. The age group of >=70 with 87.6 % had the highest cancer mortality percentage.

Conclusions:

prostate cancer is major cause of deaths in Males and it is increasing . It become a greater burden in the future due to changes in demographic composition and ageing. Longer periods of observation will make these trends more robust and should alert urologists and health care policy makers to deficient areas that most need to be addressed. Health system strategies are still needed to implemented screening program and improve d control measures for prostate cancer Information on years of life lost, will be useful for assessment of health care needs, prioritization and resources allocation.

Keywords: Years of life lost – prostate cancer – mortality

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