

The Geographic Cancer Patterns among Adult Men in Korea : Clues as to the Occupational Exposure

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- Abstract -

Investigation of cancer incidence including geographic variations and difference by age may identify patterns suggesting occupational exposures.

We calculated the area-specific 'Proportionate Morbidity Ratio(PMR)' as the outcome index by using the national cancer registry data(1988-1991) to assess the patterns of four major cancers such as stomach cancer, liver cancer, lung cancer, and bladder cancer.

Also, we calculated the area-specific 'Manufacturing Workers Concentration Index(MCI)' as the exposure index by using the census data reported in 1980 to assess the relationship between cancer site-specific PMRs and MCIs.

As the result, we found the significant correlation ($r=0.60622$, $p=0.0022$

) between the bladder cancer in the age of 40s and the industrial indicator.

Future analytic studies should be fruitful in identifying more occupational risk factors for bladder cancer.