

# Time trends of cancer incidence for all primary sites in the Province of Vojvodina from 1985 to 2010

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Vojvodina)\*1980/2010\*

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Dear Editor,

In this issue, we presented the time trends of cancer incidence for all primary sites in the Province of Vojvodina from 1985 to 2010. Our presentation was based on the data from the Cancer Registry of Vojvodina at the Oncology Institute of Vojvodina. During the period of 25 years, the annual crude incidence rates of all primary cancer sites increased steadily in both men ( $y=325,8735+6,4683x$   $r=0,7983$ ) and women ( $y=275,5135+5,8762x$   $r=0,8440$ ) (Figures 1 and 2). Since 1985, the crude incidence rate in Vojvodina increased for 179% in men and for 172% in women. Lower incidence rates in 1999 for both men and women were the result of the quality of data, which could rather be explained by socio-economic situation in our country than by the improvement of the epidemiological situation.

Because cancer incidence depends on the age structure of the population and the population of Vojvodina has been growing older during the analyzed period we included the age-standardized rate. It allowed us to compare our results with the results of other countries regardless the age structure of the population (1,2).

## REFERENCE

- 1 Primic Žakelj M, Bračko M, Hočevar M, Jarm K, Pompe-Kirn V, Primož S, et al. Rak v Sloveniji 2010 / Cancer in Slovenia 2010. Ljubljana: Onkološki inštitut Ljubljana, Register raka Republike Slovenije; 2013
- 2 Ferlay J, Soerjomataram I, Ervik M, Dikshit R, Eser S, Mathers C, et al. GLOBOCAN 2012 v1.0, Cancer Incidence and Mortality Worldwide: IARC CancerBase No. 11 [Internet]. Lyon, France: International Agency for Research on Cancer; 2013. Available from: <http://globocan.iarc.fr>, accessed on 20/1/2014/

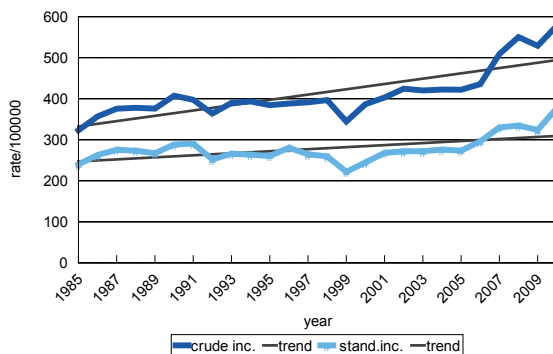


Figure 1. Crude and age-standardized incidence, all primary cancer sites males -Vojvodina, 1985-2010

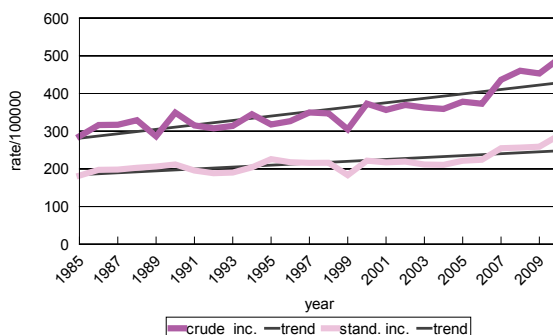


Figure 2. Crude and age-standardized incidence, all primary cancer sites females -Vojvodina, 1985-2010