

Peculiarities of children's risk assessment on ingestion of chemicals with drinking water

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Abstract

© 2010 RJPBCS. Results of the noncarcinogenic health risk assessment for the child population living in different districts of the city of Kazan are given in the article. The risk assessment was carried out for the peroral route of ingestion with the account of standard and regional exposure factors. Risk level analysis with application of local factors (particularly at the level of 95% pers.) and age differences in exposure to the chemicals ingested with drinking water showed that application of standard values resulted in underestimation of the actual health risk for the child population.

Keywords

Children, Drinking tap water, Risk