The investigation a frequency of asthma in ECAP study in Poland

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We investigate, using the correspondence analysis, the association between asthma and region in Poland according to ECAP study (Epidemiology of Allergy in Poland). The method of study was a questionnaire-based survey on ISAAC and ECRHS II.

ISAAC and ECRHS II was conducted in a total of 20449 subjects. 18617 were selected to the analysis: 50.4% adults aged 20-44 years (A), 24.2% children 6 –7 years (Ch) and 25.4% children aged 13-14 years (Te), 9998 female and 8591 male, in Poland in the years 2006 - 2008. 25.7% (n=4783) of them passed through the clinical examination, including skin prick tests and spirometry (Ch - 1329 subjects, Te - 1321 subjects, A- 2133 subjects). All study subjects were randomly selected (n=97500) from PESEL data base (identity number given to each citizen of Poland) in 8 cities and 1 rural regions (response rate 41.9%). Data acquisition was done by the Computer Assisted Personal Interviewing with GSM transmission to update the main database at the Warsaw Medical University.

All our analyses were performed in the R package FactoMineR.

References


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