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## **TOWARD EVIDENCE - BASED PUBLIC HEALTH IMPACT OF POLLUTION ON STUDENTS HEALTH**

**Vasile Moldovean<sup>\*</sup>, Ligia Grad**

*Transilvania University of Brasov, Medical Department, Iuliu Maniu 50, 2200 Brasov, Romania*

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### **Abstract**

An author search for indicators of impact of air pollution on student health, considering increasing emphasis on more integrated, community-based approaches to chronic disease prevention and health promotion was done in this paper. Ways to gather valid data of this impact were found, but the most important from public health is their stability and consistency for chronic diseases that impose an enormous financial and societal burden. Among the contributing factors to this crisis are the high level of air pollution and the tragedy of tobacco addiction.

The investigation was started concerning student's health grade 1-4 in a school near a highway, where noise, dust and motorcar gases are over the legal level, to compare results with a control sample of students in a residential school without this damage of pollutants. It is clear those public health programs can, with real societal and political will, substantially reduce or even prevent the future burden of many major chronic disease conditions of exposed students. It is urgent to move accent from palliative medical model to a prevention-based approach. Preventing student's chronic diseases can provide adults with a better quality of life, reduce unnecessary medical costs and lost productivity, and strengthen our national economy.

The evidence gathered by the study would determine investments in public health prevention and control efforts to implement the prevention research results we already have, despite limited resources.

Because of the increasing burden of chronic diseases, Romania faces a potential financial and health care crisis of unparalleled proportion, so that this opportunity to do whatever it is possible to reduce the costly and unnecessary burden of chronic disease that will continue to fuel the adult health crisis has to not be defeated.

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<sup>\*</sup> Author to whom all correspondence should be addressed: e-mail: [v.moldovean@unitbv.ro](mailto:v.moldovean@unitbv.ro)