

A PICTURE of Wrocław citizens health

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Introduction:

The main goal of the project "Population Cohort Study of Wrocław Citizens - PICTURE" is a comprehensive assessment of the health condition of Wrocław inhabitants. Also environmental and social, as well as morbidity and mortality factors in Lower Silesia's population will be determined.

Material & methods:

1250 children (7-14 years old) together with parent is planned to be examined during 2-year project period. A set of laboratory assays (morphology, glucose, HbA1C, creatinine, total cholesterol, HDL, LDL, TG, K, Na, TSH), ECG, spirometry, BP, anthropometric, ENT and audiological tests for each participant is planned. Simultaneously biological material (plasma, serum, cell pellet, faeces, urine, saliva) and associated data is collected in Wrocław Medical University Biobank. Also questionnaires describing social status, nutrition lifestyle, physical activity, anthropometric parameters will be collected.

Results:

The project results will be a starting point for the development of the health report of the study participants, constituting the basis for the preparation of promotional and preventive programs as part of creating regional health policy. PICTURE biological material collection will be a basis for future research in the development of treatment of various diseases and their diagnosis.

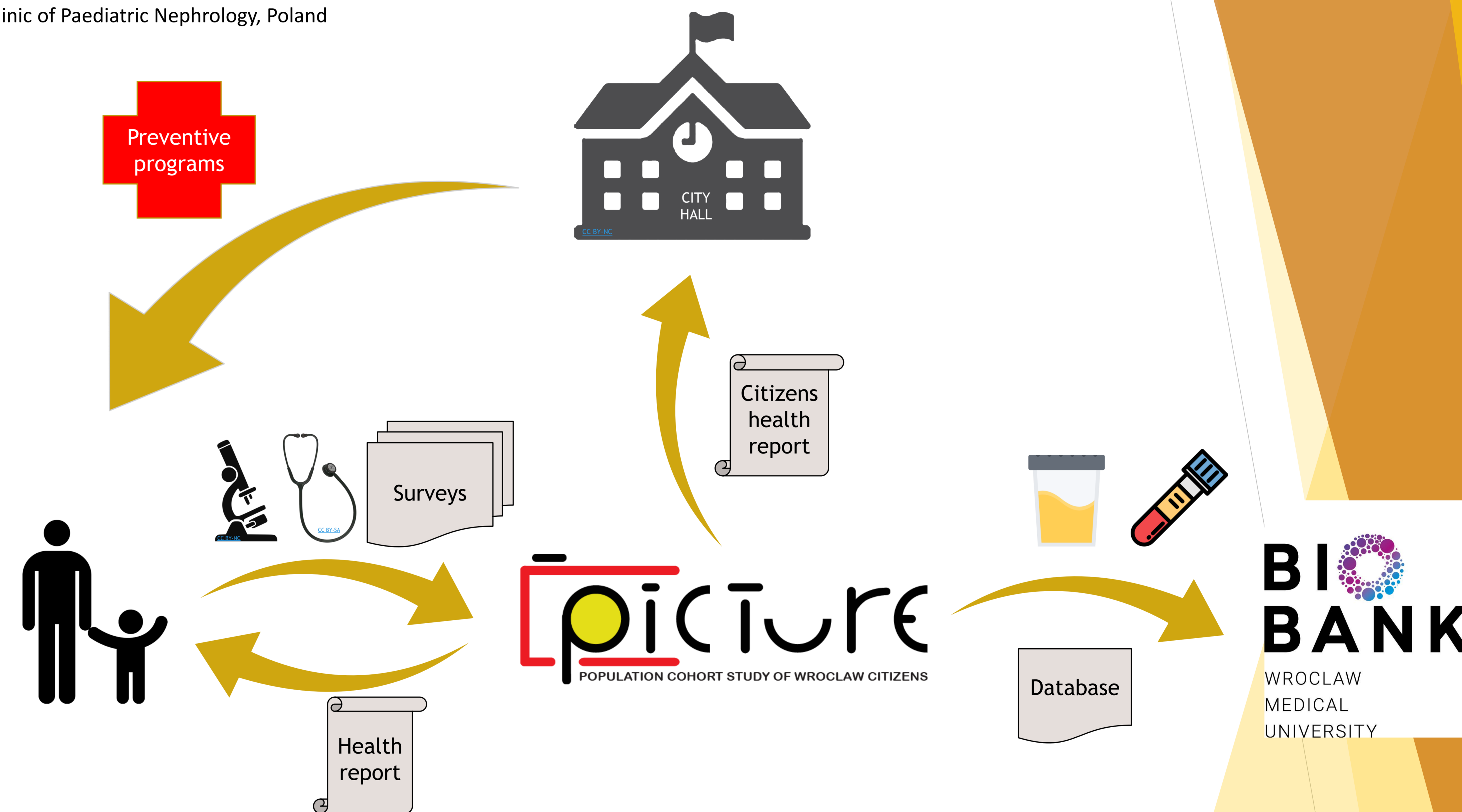
Discussion and conclusion:

PICTURE cohort study conducting will be a valuable contribution that allow city authorities for careful future preventive programs undertaken to protect the health of citizens. Thus, the improvement of their lifestyle will be obtained. It is also proof of the WMU Biobank social responsibility where the activities of promoting positive changes actions in the lifestyle of the region's inhabitants is performed.

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