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Assessment of the public health in the course of the EurAsEC programme “Reclamation of areas of the EurAsEC member-states affected by the uranium mines”

The inter-state target programme of the Eurasian Economic Community “Reclamation of areas of the EurAsEC member-states affected by the uranium mines” includes assessment of impact of these facilities on the public health at the adjacent areas and estimation of potential risk of radiation induced diseases.

This work will be carried out as follows:

1. Collection of indicators of the State medical statistic reporting by areas of natural uranium mining and milling waste storage to be reclaimed.
2. Data input to the database, data verification, calculation of relative indexes and estimation of potential risk of radiation induced diseases.
3. Comparative analysis of the public health at inspected and reference areas, estimation of potential risk of radiation induced diseases.
4. Development of recommendations on enhancing medical service of the population.

Burnasyan FMBC developed the method of data collection in order to assess and to perform the comparative analysis of the public health.

At the early stage of the programme, for the purpose of the comparative analysis of the public health at the contaminated areas, we are going to identify areas affected by uranium plants and some reference areas with approximately same quality of health-care service.

When collecting medical data of the public, the special attention will be paid to malignant neoplasm incidence, including trachea, bronchus, lung cancer and psycho-somatic diseases (hypertension, coronary heart disease, peptic ulcer and duodenal ulcers, and others).

This kind of data will be collected as the number of registered patients by sex and age groups in the report of the state medical statistics "Information on malignant neoplasm incidence over 1990 - 2014" (according to the reporting form “Information on the number of diseases registered at the area under the clinic service”).

The statistical bodies of the EurAsEC member-states will organize the collection of the required copies of the state statistical reports and demographic information over 1990 - 2014 and then pass these data to FMBC for the purpose of data treatment and comparative analysis.