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Universal Model of Local Epidemics Caused by the Agents of Particularly Dangerous Infections: Simulation of New Infections

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The paper illustrates the process of setting up the parameters for simulation of the infection which is of interest to the consumer but is not included in the list of those the model is already adapted to, using the interface of the universal model of local epidemics, developing within a closed population, designed at the SRC VB "Vector". The user presets the specter of major countermeasures, including preventive vaccination and vaccination performed directly in the course of epidemic, detection and isolation/follow up of the patients, contact tracing, screening of the suspected ones, and quarantine. Specialists working with the model in a remote mode are provided with the possibility to set determination parameters for epidemics and predict various scenarios of their development depending upon available resources, necessary for realization of the countermeasures. The model is available at: http://vector-epimod.ru.