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## **Formal Models of Sanitary Inspections Teams Activities**

Authors: Tadeusz Nowicki, Radosław Pytlak, Robert Waszkowski, Jerzy Bertrandt, Anna Kłos

**Abstract:** This paper presents methods for formal modeling of activities in the area of sanitary inspectors outbreak of foodborne diseases. The models allow you to measure the characteristics of the activities of sanitary inspection and as a result allow improving the performance of sanitary services and thus food security.

Keywords: food-borne disease, epidemic, sanitary inspection, mathematical models

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