

# Effectiveness of vaccination against influenza in SkodaAuto Company employees during the influenza season 2000-2001

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## SUMMARY

*The SkodaAuto management evaluated the effectiveness of vaccination within the course of the influenza season, 2000 - 2001. All 23,782 company employees working in the plants at Mladá Boleslav, Vrchlabí, and Kvasiny were enrolled into the study, of which 5,079 (21.3 %) agreed to be vaccinated against influenza in the autumn, 2000. In comparison with the preceding years, two- to three-fold more employees were vaccinated. During the study period (i.e. between the 4<sup>th</sup> and 13<sup>th</sup> week of 2001), 67 (1.3%) individuals from the vaccinated group and 1,297 (6.9%) from the non-vaccinated group fell ill due to influenza or an influenza-like disease (i.e. a five-fold difference). The morbidity peak appeared in the 5<sup>th</sup> and 6<sup>th</sup> calendar week with the number of sick reaching nearly 300 during the latter. The morbidity from acute respiratory disease (ARD) in the district of Mladá Boleslav in calendar week 6 was 484 per 10,000 inhabitants which was nearly twice that of the national average. Overall, influenza-related morbidity in the SkodaAuto Company was 4 to 7 times lower than ARD in the Mladá Boleslav district; whereas the respective values in the vaccinated group were up to 10-fold lower. The vaccination effectiveness reached 81.2%.*

Key words: influenza, vaccination, effectiveness of vaccination, healthy working population

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