

CO-INFECTIONS WITH INFLUENZA AND INFLUENZA-LIKE VIRUSES DURING EPIDEMIC SEASON 2015/2016

K. Szymański, K. Cieślak, D. Kowalczyk, L.B. Brydak

Department of Influenza Research, National Influenza Centre, National Institute of Public Health-National Institute of Hygiene, Chocimska street 24, 00-791 Warsaw, Poland

Viral infection of the respiratory system is characterized in that on the one hand a single virus can cause a variety of clinical symptoms on the other hand the same set of symptoms can be caused by different viruses However an infection is not always caused by only one type of virus at the same time In the influenza season co-infections were confirmed in patients from the first month to years of age The study employed multiplex RT-PCR and real-time RT-PCR In total co-infections between influenza viruses two between influenza viruses and flu-like viruses and six co-infections between flu-like viruses were reported The most common co-infections of influenza viruses were infection with type A and B at the same time cases In four cases co-infections between subtypes of influenza virus A H N pdm with subtype A H N and one case of co-infection between subtype A H N pdm with subtype A H N were also confirmed epidemic season was characterized by a higher number of confirmed co-infections compared to the previous seasons Infections by more than one respiratory virus were most often found in children and in individuals over the age of p **KEYWORDS INFLUENZA FLU-LIKE VIRUS**