

Vaccine effectiveness against influenza hospitalisation in adults during the 2022/23 mixed season of influenza A(H1N1)pdm09, A(H3N2) and B circulation, Europe: VEBIS SARI VE hospital network

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Abstract

We conducted a multicentre hospital-based test-negative case-control study to measure vaccine effectiveness (VE) against PCR-confirmed influenza in adult patients with severe acute respiratory infection (SARI) during the 2022/23 influenza season in Europe. Among 5547 SARI patients [?]18 years, 2963 (53%) were vaccinated against influenza. Overall VE against influenza A(H1N1)pdm09 was 11% (95%CI: -23-36); 20% (95%CI: -4-39) against A(H3N2) and 56% (95%CI: 22-75) against B. During the 2022/23 season, while VE against hospitalisation with influenza B was >55%, it was [?]20% for influenza A subtypes. While influenza vaccination should be a priority for the upcoming season, improved vaccines against influenza are needed.

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