



Virological surveillance

RespiVirNet

Report for week 51/2023
(18th - 24th December 2023)

Summary

The present report summarizes the results obtained in the context of the virological surveillance activities in Italy, coordinated by the National Influenza Centre (NIC) laboratory at ISS, in collaboration with a network of 24 regional influenza laboratories (RespiVirNet).

During the fifty-first week of 2023 (**week 51/2023**) of virological surveillance, 941 clinical specimens were received by the RespiVirNet network laboratories and **277 (29.4%)** resulted positive for influenza. Among these samples, 276 belonged to influenza type **A** (214 were **H1N1pdm09**, 8 were **H3N2** and 54 not yet subtyped) and 1 to influenza type **B**.

Among the above analyzed samples, 75 (8%) resulted **SARS-CoV-2**, 74 (7.8%) **RSV** and the other 80 were attributed to other respiratory viruses, in particular 47 Rhinoviruses, 18 Adenoviruses, 6 human Coronaviruses (not SARS-CoV-2), 5 Parainfluenza viruses, 3 Metapneumoviruses and 1 Bocavirus.

So far, in the 2023/2024 influenza season (week 46-51/2023), a prevalence of influenza type A viruses has been observed, mostly belonging to the H1N1pdm09 subtype. In particular, among a total of 6,810 collected samples, 1090 (16%) resulted positive for influenza, of which 1074 (98.5%) were positive for influenza A and 16 (1.5%) for influenza B.

Among the influenza A viruses that were subtyped (N=956), 97.3% (N=930) were A(H1N1)pdm09 and 2.7% (N=26) were A(H3N2); the remaining 118 A strains have not been subtyped yet.

Additional information and data for this report may be found in the full Italian version.

WHO NATIONAL INFLUENZA CENTRE/NIC-DMI Laboratory team:

S. Puzelli, M. Facchini, G. Di Mario, S. Piacentini, A. Di Martino, L. Calzoletti, C. Fabiani
Department of Infectious Diseases, ISS
Viale Regina Elena, 299 - Rome