



# Virological surveillance

## RespiVirNet

**Report for week 50/2023**  
(11<sup>th</sup> - 17<sup>th</sup> 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 fifth week of 2023 (**week 50/2023**), virological surveillance reported a marked increase in influenza virus circulation in Italy (22%) compared to the previous week (14%). In particular, **1,531** clinical specimens were received by the RespiVirNet network laboratories and **338 (22%)** resulted positive for influenza. Among these samples, 333 belonged to influenza type **A** (250 were **H1N1pdm09**, 2 were **H3N2** and 81 not yet subtyped) and 5 to influenza type **B**.

Among the above analyzed samples, 191 (12.5%) resulted **SARS-CoV-2**, 131 (8.5%) **RSV** and the other 190 were attributed to other respiratory viruses, in particular 112 Rhinoviruses, 36 Adenoviruses, 20 human Coronaviruses (not SARS-CoV-2), 11 Parainfluenza viruses, 9 Metapneumoviruses and 2 Bocavirus. During this week, another sample resulted positive for *Mycoplasma pneumoniae*.

So far, in the 2023/2024 influenza season (week 46-50/2023), a prevalence of influenza type A viruses has been observed, mostly belonging to the H1N1pdm09 subtype. In particular, among a total of 5,660 collected samples, 681 (12 %) resulted positive for influenza, of which 669 (98.2%) were positive for influenza A and 12 (1.8%) for influenza B.

Among the influenza A viruses that were subtyped (N=559), 97.3% (N=544) were A(H1N1)pdm09 and 2.7% (N=15) were A(H3N2); the remaining 110 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*