



Virological surveillance

RespiVirNet

Report for week 49/2023
(4th - 10th 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 forty-ninth week of 2023 (**week 49/2023**), the proportion of influenza positive samples is gradually increasing in Italy (12.5%), compared to the previous week (9.5%). In particular, **1003** clinical specimens were received by the RespiVirNet network laboratories and **126 (12.5%)** resulted positive for influenza. Among these samples, 124 belonged to influenza type **A** (105 were **H1N1pdm09**, 1 were **H3N2** and 18 not yet subtyped) and 2 to influenza type **B**.

Among the above analyzed samples, 142 (14.1%) resulted **SARS-CoV-2**, 99 (9.8%) **RSV** and the other 169 were attributed to other respiratory viruses, in particular 102 Rhinoviruses, 23 Adenoviruses, 22 human Coronaviruses (not SARS-CoV-2), 12 Parainfluenza viruses, 6 Metapneumoviruses and 4 Bocavirus. Moreover, during this week, two further samples resulted positive for *Mycoplasma pneumoniae*.

So far, in the 2023/2024 influenza season (week 46-49/2023), a prevalence of influenza type A viruses has been observed, mostly belonging to the H1N1pdm09 subtype. In particular, among a total of 4,010 collected samples, 312 (7.8%) resulted positive for influenza, of which 305 (97.8%) were positive for influenza A and 7 (2.2%) for influenza B. Among the influenza A viruses that were subtyped (N=279), 95.7% (N=267) were A(H1N1)pdm09 and 4.3% (N=12) were A(H3N2); the remaining 26 A strains have not been subtyped yet.

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

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