

NATIONAL WEEKLY INFLUENZA BULLETIN OF THE RUSSIAN FEDERATION

week 45 of 2025 (03.11.25 - 09.11.25)

Summary.

Influenza and ARI incidence data. Influenza and other ARI activity in Russia decreased in comparison with previous week. The nationwide ILI and ARI morbidity level (44.7 per 10 000 of population) was lower than national baseline (82.9) by 46.1%.

Etiology of ILI & ARI. Among 7597 patients investigation 394 (5.2%) respiratory samples were positive for influenza, including 157 cases of untyped influenza A in 6 cities, 6 cases of influenza A(H1N1)pdm09 in 2 cities, 228 cases of influenza A(H3N2) in 22 cities and 3 cases of influenza B in 2 cities.

1 influenza virus A(H3N2) was isolated on MDCK cell culture in Moscow NIC. Since the beginning of the season 3 influenza viruses A(H3N2) were isolated.

Antigenic characterization. Since the beginning of the season 5 influenza have been antigenically characterized by the NICs, including: 1 influenza A(H1N1)pdm09 virus and 4 influenza A(H3N2) virus in Saint-Petersburg and Moscow. Virus A(H1N1)pdm09 was similar to the reference strain A/Victoria/4897/22 recommended in the vaccines for the Northern Hemisphere countries for the 2025-2026 season. 3 influenza A(H3N2) viruses were a drift variant of the reference strain A/Croatia/10136RV/23, also recommended in vaccines for countries in the Northern Hemisphere for the 2025-2026 season, 1 virus A(H3N2) was similar to the reference strain A/Thailand/8/2022.

ARVI detections. The overall proportion of respiratory samples tested positive for other ARVI (PIV, ADV, RSV, RhV, CoV, MPV, BoV) was estimated in total as 14.5% (PCR).

In sentinel surveillance system clinical samples from 19 SARI patients were investigated by rRT-PCR for influenza, among them no positive cases were recognized. 1 (5.3%) of 19 SARI patients was positive for coronavirus SARS-CoV-2. Among 19 SARI samples 5 (26.3%) cases positive for ARVI were detected, including: 2 cases of RIV, 1 case of ADV and 2 cases of RhV infection.

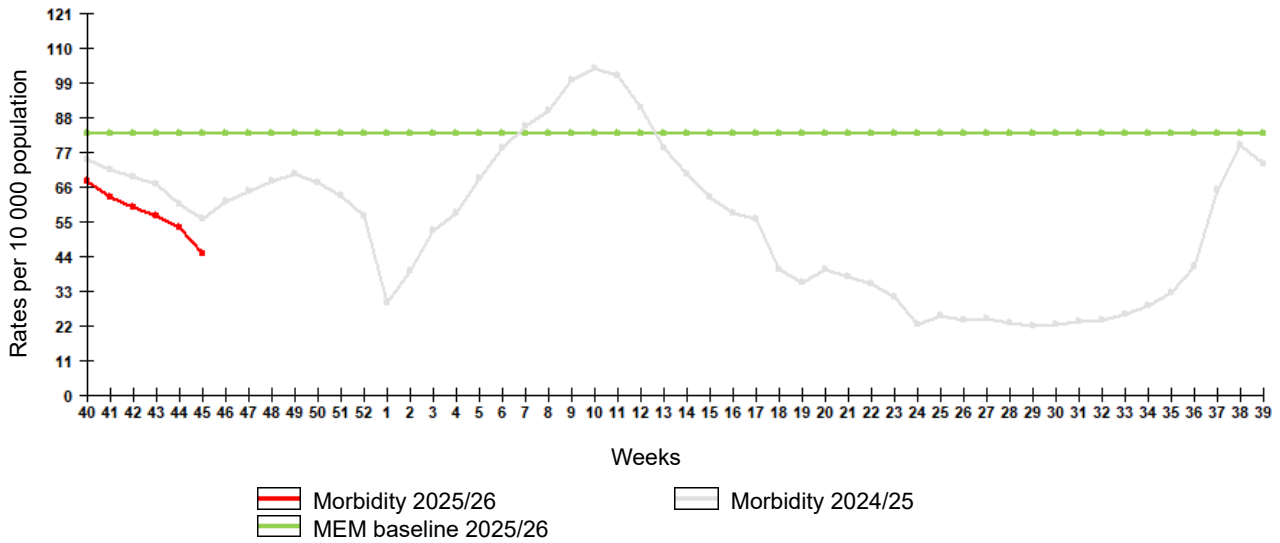
Among from 37 ILI/ARI patients no positive cases of influenza were recognized. Among 37 ILI/ARI samples 4 (10.8%) cases of RhV were detected. Among 37 ILI/ARI patients no positive cases of coronavirus SARS-CoV-2 were recognized.

COVID-19. The Federal Operational Headquarters for Combating the Novel Coronavirus Infection has discontinued the publication of weekly COVID-19 morbidity reports starting from epidemiological week 12.2025. This decision is due to the stabilization of the epidemiological situation regarding COVID-19 and the transition of the virus to the category of seasonal respiratory infections.

According to the data obtained by NIC in Saint-Petersburg totally 12972 clinical samples were PCR investigated in last week. Among them coronavirus SARS-CoV-2 was detected in 244 (1.9%) cases.

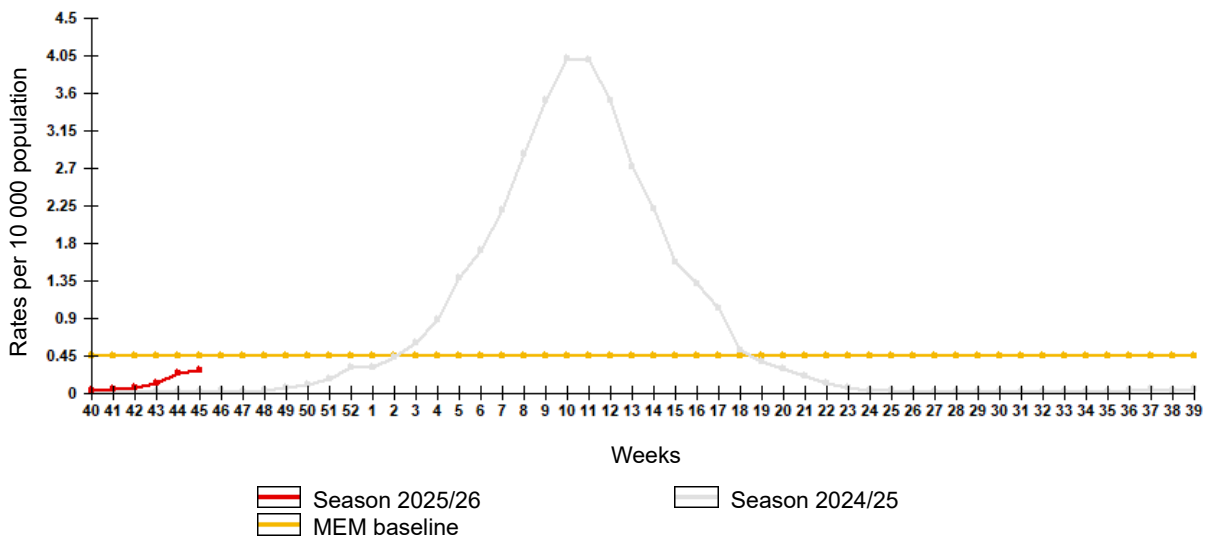
Influenza and ARI morbidity data

Fig. 1. Influenza and ARI morbidity in 61 cities under surveillance in Russia, seasons 2024/25 and 2025/26



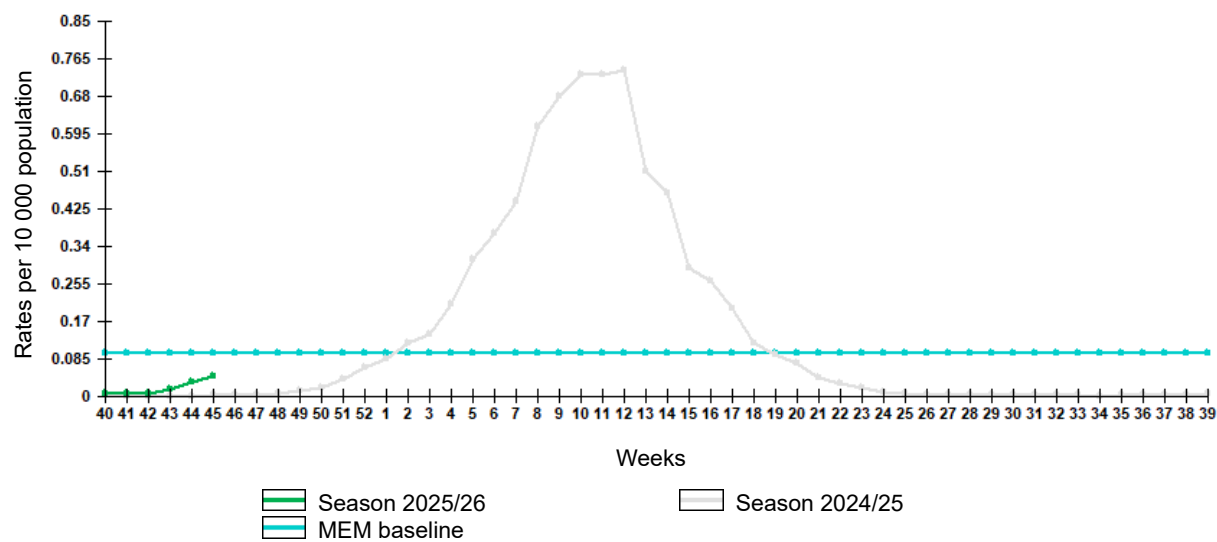
Epidemiological data showed decreased of influenza and other ARI activity in Russia in comparison with previous week. The nationwide ILI and ARI morbidity level (44.7 per 10 000 of population) was lower than national baseline (82.9) by 46.1%.

Fig. 2. Comparative data on incidence rate of clinically diagnosed influenza, seasons 2024/25 and 2025/26



Incidence rate of clinically diagnosed influenza increased comparing to previous week and amounted to 0.27 per 10 000 of population, it was lower than pre-epidemic MEM baseline (0.45).

Fig. 3. Comparison of hospitalization rate with clinical diagnosis of influenza, seasons 2024/25 and 2025/26



Hospitalization rate of clinically diagnosed influenza increased comparing to previous week and amounted to 0.047 per 10 000 of population, it was lower than pre-epidemic MEM baseline (0.099).

Influenza and ARVI laboratory testing results

Cumulative results of influenza laboratory diagnosis by rRT-PCR were submitted by 45 RBLs and two WHO NICs. According to these data as a result of 7597 patients investigation 394 (5.2%) respiratory samples were positive for influenza, including 157 cases of unsubtype influenza A in 6 cities, 6 cases of influenza A(H1N1)pdm09 in 2 cities, 228 cases of influenza A(H3N2) in 22 cities and 3 cases of influenza B in 2 cities.

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Fig. 4. Geographic distribution of RT-PCR detected influenza viruses in cities under surveillance in Russia, week 45 of 2025

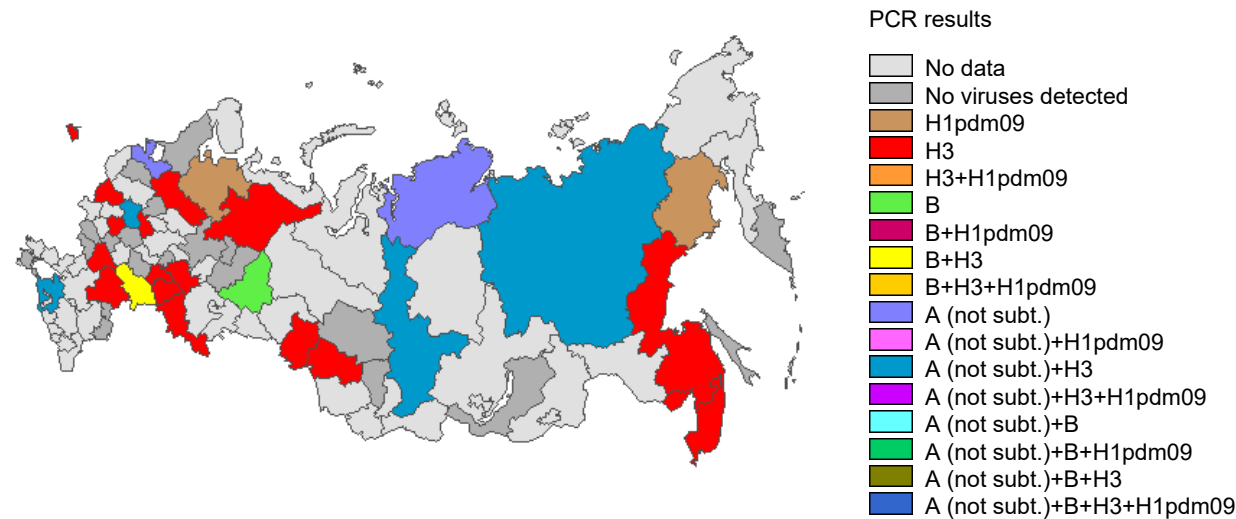


Fig. 5. Monitoring of influenza viruses detection by RT-PCR in Russia, season 2025/26

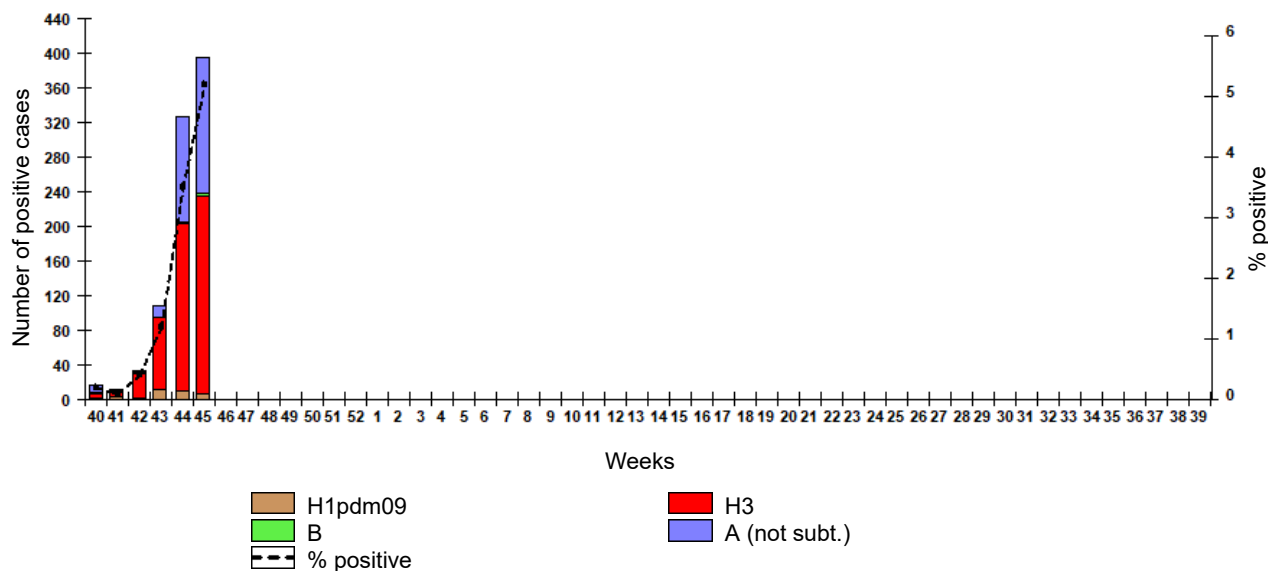
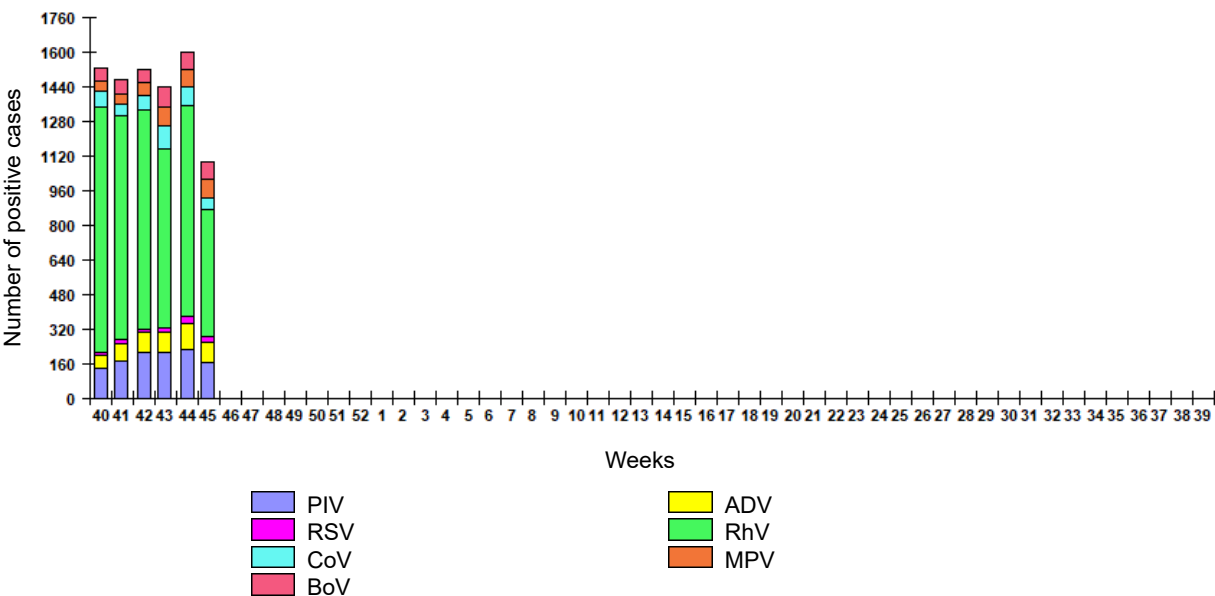


Fig. 6. Monitoring of ARVI detection by RT-PCR in Russia, season 2025/26



ARVI detections. The overall proportion of respiratory samples tested positive for other ARVI (PIV, ADV, RSV, RhV, CoV, MPV, BoV) was estimated **14.5%** of investigated samples by PCR.

Fig. 7. Monitoring of influenza viruses isolation in Russia, season 2025/26

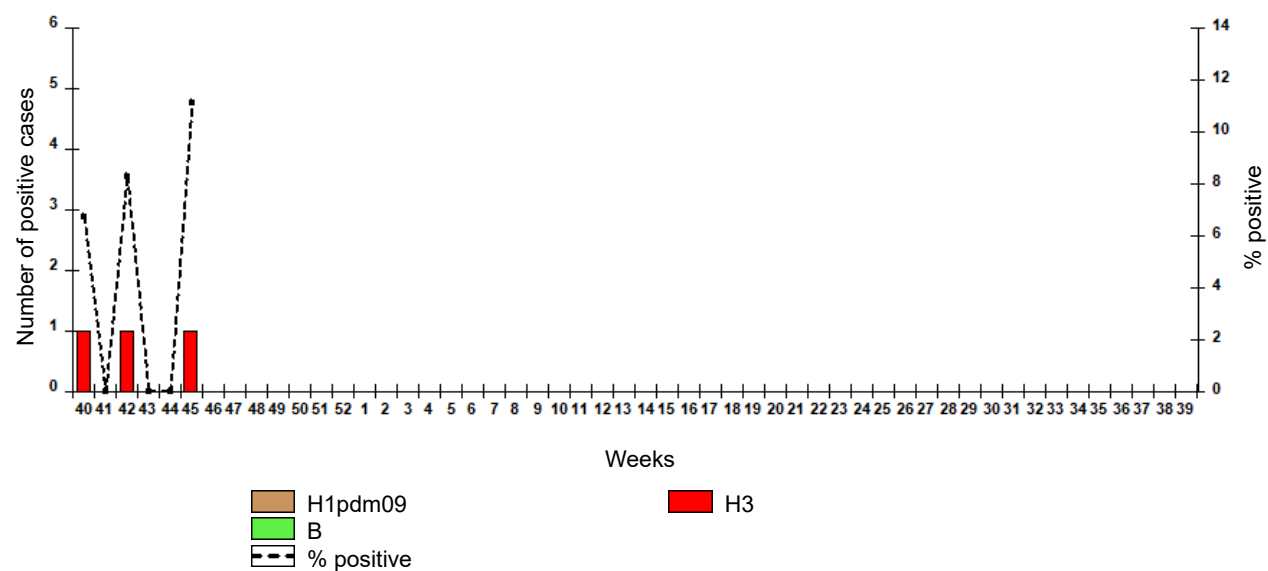
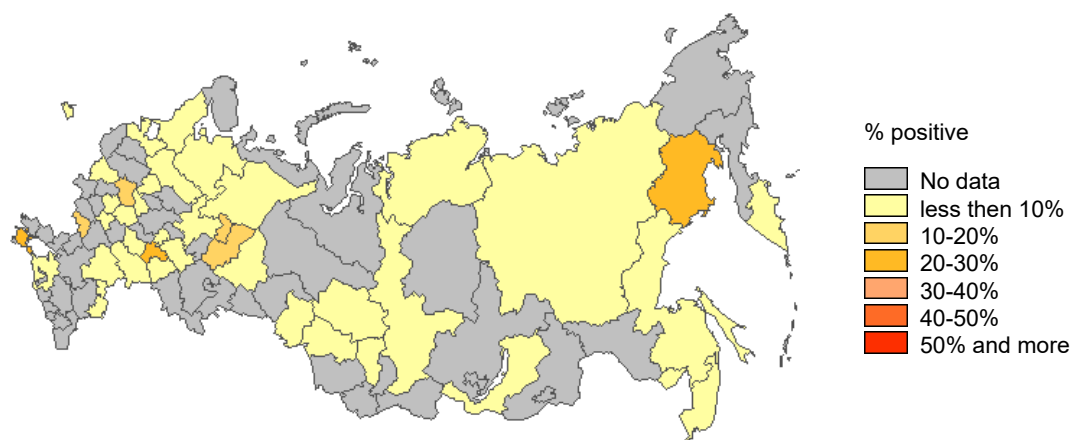


Table 1. Results of influenza and other ARVI detection by RT-PCR in Russia, week 45 of 2025

	Number of specimens / number of positive cases	% positive
<u>Influenza</u>		
Number of specimens tested for influenza	7597	-
Influenza A (not subt.)	157	2,1%
Influenza A(H1)pdm09	6	0,08%
Influenza A(H3)	228	3,0%
Influenza B	3	0,04%
All influenza	394	5,2%
<u>Other ARVI</u>		
Number of specimens tested for ARVI	7543	-
PIV	166	2,2%
ADV	90	1,2%
RSV	30	0,4%
RhV	584	7,7%
CoV	53	0,7%
MPV	88	1,2%
BoV	83	1,1%
All ARVI	1094	14,5%
<u>SARS-CoV-2 (COVID-19)</u>		
Number of specimens tested for SARS-CoV-2	12972	-
SARS-CoV-2	244	1,9%

Fig. 8. Results of PCR detections of SARS-CoV-2 in Russia



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Table 2. Results of influenza viruses isolation in Russia, week 45 of 2025

	Number of specimens / number of viruses	% isolated viruses
Number of specimens	9	-
Influenza A(H1)pdm09	0	0,0%
Influenza A(H3)	1	11,1%
Influenza B	0	0,0%
All influenza	1	11,1%

Sentinel influenza surveillance

Clinical samples from 19 SARI patients were investigated by rRT-PCR for influenza, among them no positive cases were recognized. 1 (5.3%) of 19 SARI patients was positive for coronavirus SARS-CoV-2. Among 19 SARI samples 5 (26.3%) cases positive for ARVI were detected, including: 2 cases of RIV, 1 case of ADV and 2 cases of RhV infection.

Among 37 ILI/ARI patients no positive cases of influenza were recognized. Among 37 ILI/ARI samples 4 (10.8%) cases of RhV were detected. Among 37 ILI/ARI patients no positive cases of coronavirus SARS-CoV-2 were recognized.

Fig. 9. Monitoring of influenza viruses detection by RT-PCR among SARI patients in sentinel hospitals, season 2025/26

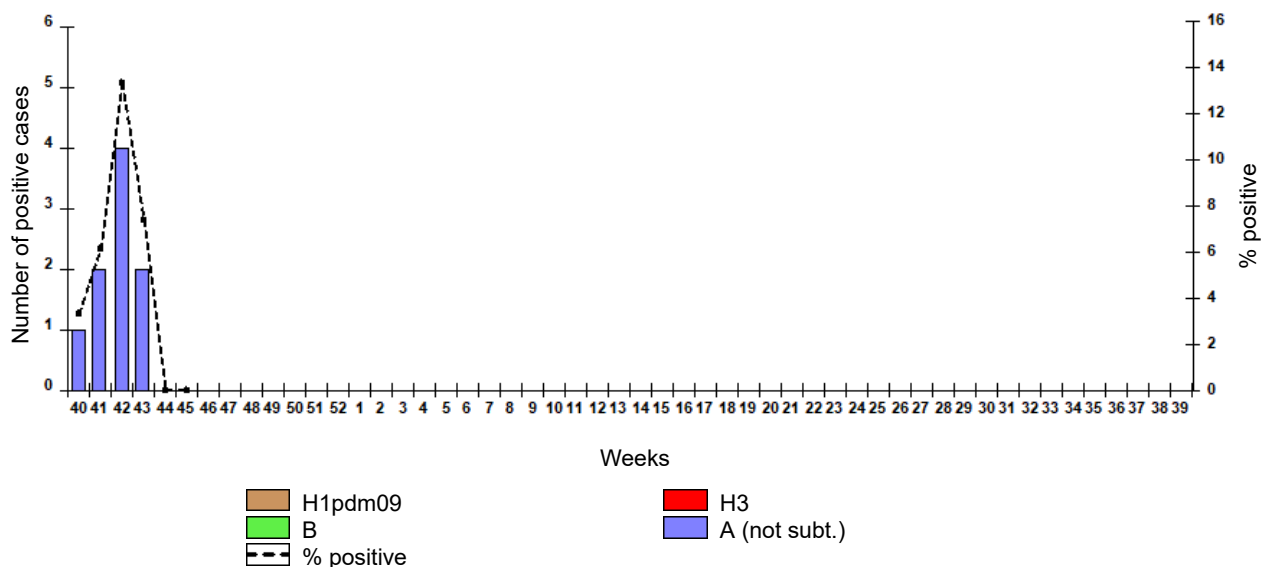


Fig. 10. Monitoring of influenza viruses detection by RT-PCR among ILI/ARI patients in sentinel polyclinics, season 2025/26

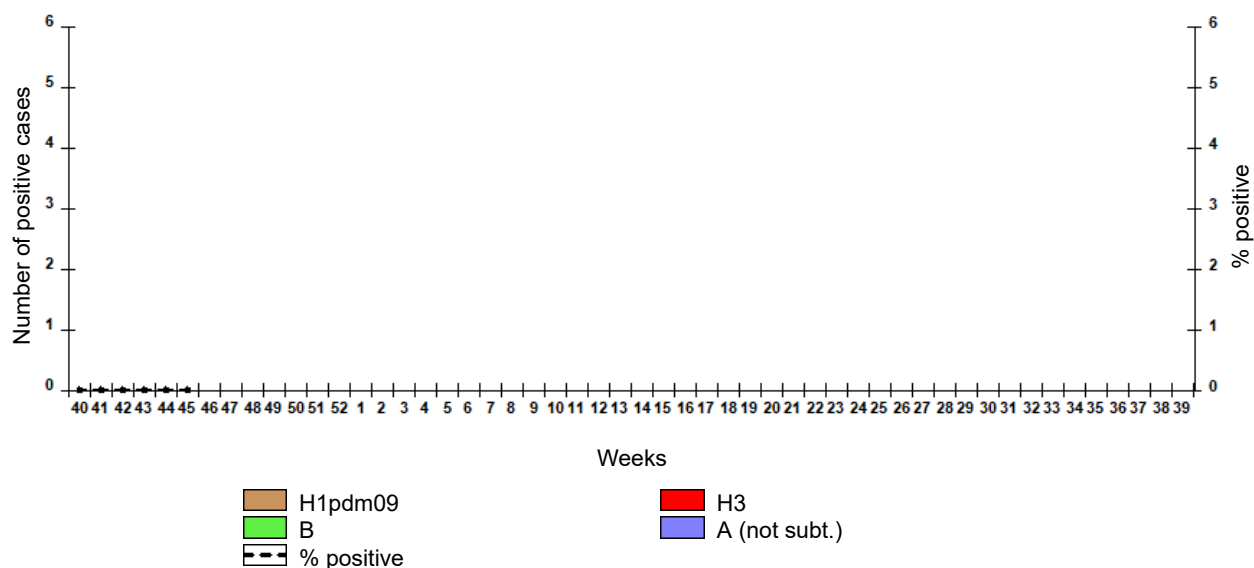


Fig. 11. Monitoring of ARVI detection by RT-PCR among SARI patients in sentinel hospitals, season 2025/26

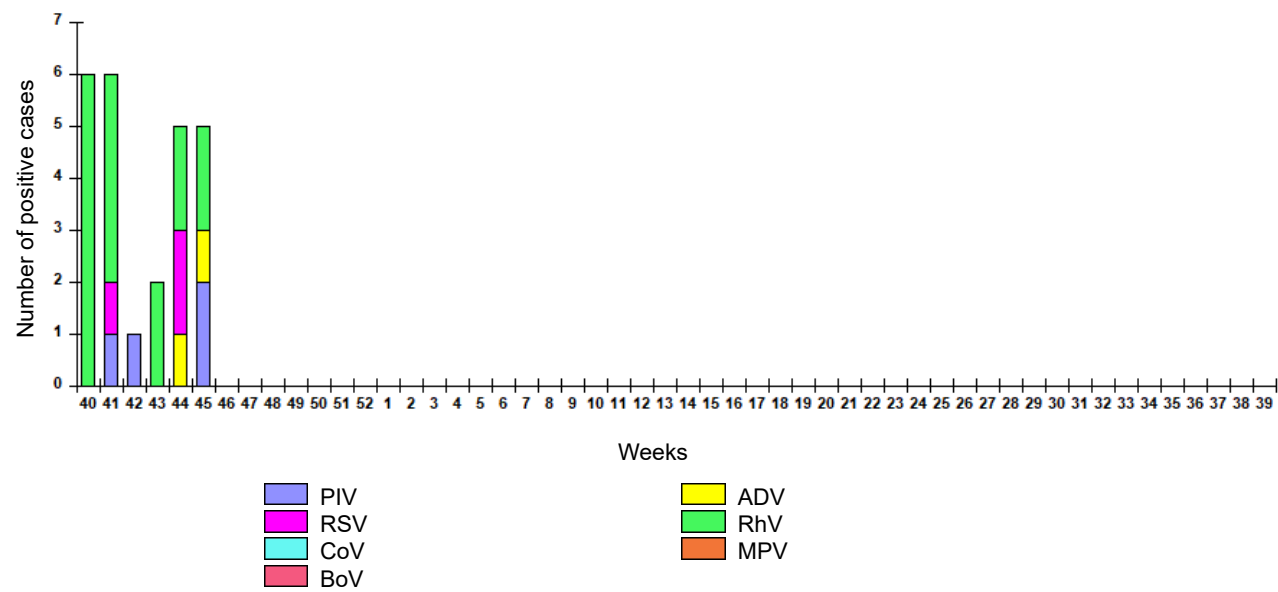


Fig. 12. Monitoring of ARVI detection by RT-PCR among ILI/ARI patients in sentinel polyclinics, season 2025/26

