

Nivel FluCov: Influenza-COVID-19 Activity Report #3

1 April 2025

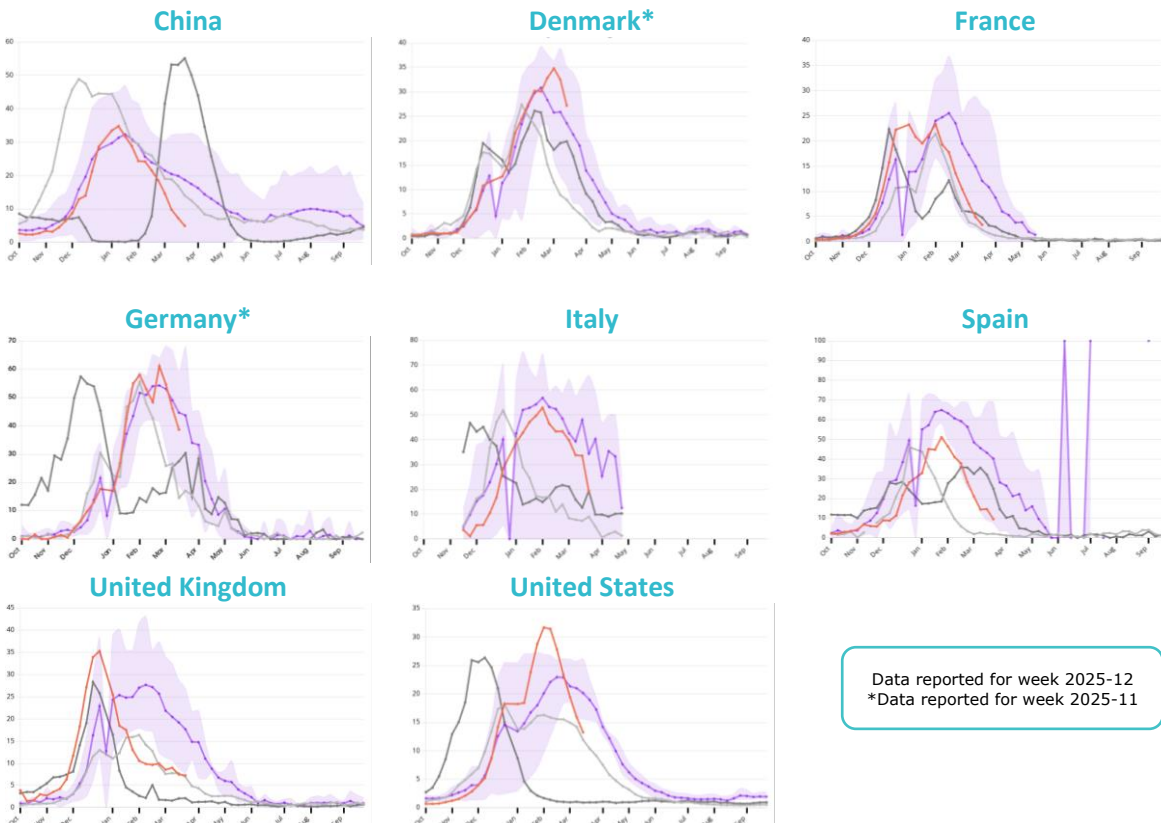
Seasonal Influenza

Influenza activity peaked in the Northern Hemisphere, rapidly declining in most countries

- North America and Europe:** Influenza activity continues to decline in Europe and the US, as the peak has passed in most countries. Denmark, reported stable influenza activity at 26% positivity. Activity remained very low (<10% positivity) in the UK, Spain and France and was moderate (19.2%) in Italy. In the US, influenza activity continued to decrease in week 12 to 10.7% positivity. Data were not updated in week 12 for Germany, but activity decreased from high (46.1% positivity) in week 10 to medium activity (38.7% positivity) in week 11.
- Asia:** Influenza activity in China is now at very low levels (<10% positivity) in Northern and Southern China.
- Southern Hemisphere:** Influenza activity was below baseline in most countries, and elevated in a few countries in Eastern Africa, South-East Asia, and Oceania.
- Severity:** The current influenza season is intense in both the US and EU, with currently a decreasing trend. EuroMOMO estimates of all-cause mortality show decreasing levels of mortality in week 11 and 12, after presenting increased levels of mortality since week 51, 2024.
- Circulating virus:** Globally, influenza A(H1N1)pdm09 predominated, followed by A(H3N2) and B/Victoria. This season, influenza A(H1N1)pdm09 dominated circulation in China (99%), while a mix of influenza A(H1N1)pdm09 and A(H3N2) circulated in the US (1:1). In the EU, dominance varied across countries: overall influenza A and B circulation was around 3:1; influenza A(H1N1):A(H3N2) circulation was 2:1.
- Vaccine match:** Based upon antigenic characterization (wk12), the US and UK report a good match (99-100% 'well recognised'/'similar') for influenza A(H1N1)pdm09 and B/Victoria and a partial match (58-77% 'well-recognised'/'similar') for influenza A(H3N2).
- Influenza Viruses of Pandemic Potential:** Two fatal H5N1 cases reported: a 3-year-old boy from Cambodia and a 2-year-old girl from India.
- SARS-CoV-2 activity:** Low globally in week 11, with a few exceptions of elevated activity reported in Central America and the Caribbean, and Temperate South America.

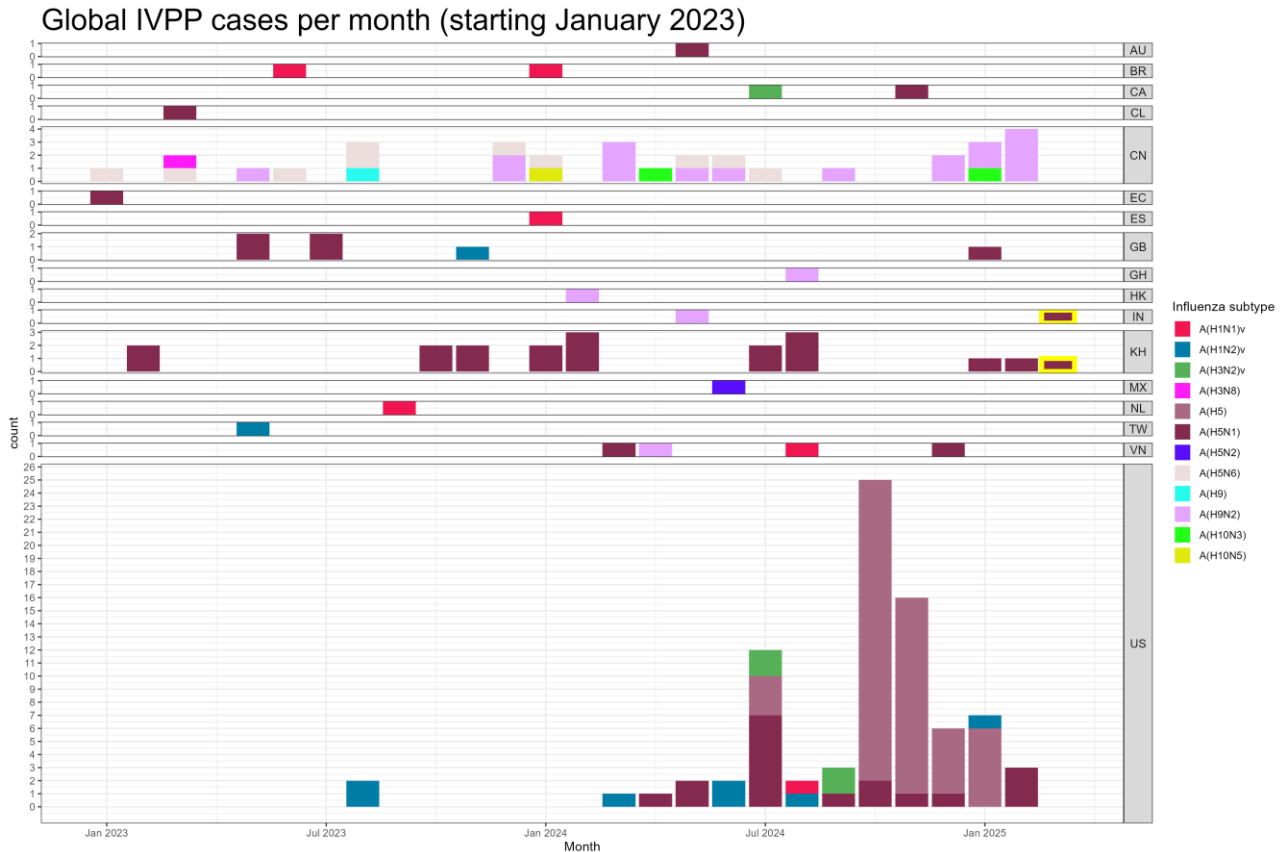
Positive Influenza tests (%)

■ Season 2024/2025
 ■ Season 2023/2024
 ■ Season 2022/2023
 ■ Average of Pre-COVID-19 seasons (2014/2015 to 2018/2019) [Min; Max]



Data reported for week 2025-12
 *Data reported for week 2025-11

Influenza viruses with pandemic potential



AU = Australia, BR = Brazil, CA = Canada, CL = Colombia, CN = China, EC = Ecuador, ES = Spain, GB = United Kingdom, GH = Ghana, HK = Hong Kong, IN = India, KH = Cambodia, MX = Mexico, NL = Netherlands, TW = Taiwan, US = United States, VN = Vietnam

New cases are outlined in yellow

New since 17 March

Influenza A(H5N1): On 23 March 2025, a fatal human case of avian influenza A(H5N1) was reported in **Cambodia** (KH). The case involved a 3.5-year-old boy from Kratie province. According to the ministry of health, the boy was admitted to hospital with severe symptoms and received intensive medical care, prior to his death. It was reported that the patient's family raised backyard chickens, several of which had died, while others appeared ill. The dead chickens were used for cooking. The case was confirmed positive for influenza A(H5N1) by the National Institute of Public Health on 22 March 2025.

A fatal case of avian influenza A(H5N1) was also reported in **India** (IN). This case involved a 2-year-old girl from Andhra Pradesh state, who was admitted to hospital on 4 March 2025 with fever and difficulty breathing. She passed away on 15 March, despite treatment. The H5N1 diagnosis was later confirmed by the National Institute of Virology in Pune. The exact source of exposure is unknown, potentially the consumption of raw chicken was the source of exposure.

For avian influenza virus infections in animals, please see: [Global AIV with Zoonotic Potential \(fao.org\)](#) [last updated 27 March 2025].

Seasonal influenza global overview: 2 April 2025

Global circulation: In the **Northern hemisphere**, influenza activity decreased or remained the same in most countries. Increased activity was reported in a few countries in Northern Africa, Eastern Europe, Western and South Asia. Activity remained elevated in North America and Central America and the Caribbean, Tropical South America, Northern and Western Africa, Europe and Asia. In the **Southern hemisphere**, activity remained elevated and increased in a few countries in Eastern Africa, South-East Asia, and Oceania. Overall, activity remained the same or decreased in most countries.

Northern Hemisphere				
Country/ region	Week	Indicator	Info	Trend
EU	12	Predominant virus lineage	Co-circulation of A(H1N1)pdm09, A(H3N2) and B/Vic influenza viruses	↓
		Influenza activity	Decreasing after peak in week 6	
		% positive tests	Pooled: 21%, median: 26%	
		SARI influenza positive	Pooled: 14%, median: 17%	
		Mortality (EuroMOMO)	Decreasing levels of mortality	
England	12	Predominant virus lineage	Mainly influenza A(H1N1)pdm09, increasing proportion influenza B in 2025	<10%
		Influenza activity	Low activity levels	
		% positive tests	8.3%	
		Hospitalization rate (weekly)	2.88 per 100,000	
USA	12	Predominant virus lineage	Cocirculation of A(H1N1)pdm09 & A(H3N2)	↓
		Influenza activity	Continues to decline, several more weeks of activity expected	
		% positive tests	10.7%	
		Hospitalization rate (weekly)	2.0 per 100,000	
		Mortality	1.3% of deaths attributed to influenza	
Canada	12	Predominant virus lineage	Influenza A(H1N1)pdm09	↓
		Influenza activity	Decreasing trend, regional variation	
		% positive tests	18.6%	
		Hospitalization rate (weekly)	3.3 per 100,000	
		Mortality	262 deaths since 25 August 2024	
China	12	Predominant virus lineage	A(H1N1)pdm09	<10%
		Influenza activity	Decrease in Southern and Northern provinces	
Southern Hemisphere				
Brazil	9	11	Predominant virus lineage	<10%
		Influenza activity	Influenza activity	
		% positive tests	% positive tests	
Australia	5-8	9-12	Predominant virus lineage	<10%
		Influenza activity	Influenza activity	
		% positive tests	% positive tests	
		Hospitalizations	Hospitalizations	
		Mortality rate	Mortality rate	
South Africa	10	12	Predominant virus lineage	<10%
		Influenza activity	Influenza activity	
		% positive tests	% positive tests	
		Hospitalizations	Hospitalizations	

↑ increase; → stable; ↓ decrease

SARS-CoV-2 global overview: 2 April 2025

Global circulation: Globally, SARS-CoV-2 activity remained low across reporting countries except for a few countries in Central America and the Caribbean and Temperate South America where elevated activity was reported. A single country in Western Africa reported increased activity.

Northern Hemisphere				
Country/region	Week	Indicator	Info	Trend
EU	12	Detections	At very low level	→
		% positive tests	Pooled: 2.3%, median: 1.3%	
		SARI SARS-CoV-2 positive	Pooled: 1.3%, median: 0%	
		Mortality (EuroMOMO)	Decreasing levels of mortality	
England	12	Detections	Circulating at baseline level, slight increase	→
		% positive tests	3.7%	
		Hospitalizations	1.46 per 100,000	
		Mortality	62 (7 days up to 14 March 2025)	
USA	12	% positive tests	3.6%	→
		Hospitalizations	1.9 per 100,000	
		Mortality	0.8% of all deaths	
Canada	12	Detections/activity	Stabilization at low levels	→
		% positive tests	1.9%	
		Hospitalizations	0.8 per 100,000	
		Mortality	1808 deaths since 25 August 2024	
China	11	Detections	0 cases reported (28 days up to 16 March)	
		% positive tests	-	
Southern Hemisphere				
Brazil	11	Detections	Circulation decreasing	↓
		% positive tests	10.2%	
Australia	9-12	Detections	Remain low	→
		% positive tests	3.3%	
		Hospitalizations	243 adults admitted to sentinel hospitals in 2025	
		Mortality	4,953 deaths in 2024	
South Africa	12	Detections	Low detection rate	→
		% positive tests	3.5% (4/115 detections)	
		Hospitalizations	35 (30 Dec 2024 – 23 March 2025)	

↑ increase; → stable; ↓ decrease; → stable at base level

Data sources & details FluCov influenza and COVID-19 activity report

Percentage positive graphs (via CERP - [CERP - EPI Live! Flu](#))

China:	China CDC	Germany & Italy:	WHO FluNET (sentinel)
US:	FluView (Clinical Laboratories)	All others:	WHO FluNet (non-sentinel)
Spain:	ERVISS (sentinel)	Vaccine match:	US (CDC), EU (ERVISS)

Influenza Viruses with Pandemic Potential

- [ProMED](#)
- [Disease Outbreak News | WHO](#)
- <http://outbreaknewstoday.com/>
- [Homepage | CIDRAP](#)
- [ECDC Weekly threats reports \(CDTR\) \(europa.eu\)](#)

Seasonal influenza and SARS-CoV-2

Global

- [Global Influenza Programma - Influenza update | WHO](#) (#519, 27 March 2025)
- [FluCov Dashboard | Nivel](#)

Europe

- [ERVISS | ECDC](#) (W12)
- [EuroMOMO](#) (W12)
- [National flu and COVID-19 surveillance reports: 2024 to 2025 season | UKHSA](#) (W13)
- [COVID-19 | UKHSA data dashboard](#) (27 March 2025)

Americas

- [FluView | FluView | CDC](#) (EW12)
- [COVID Data Tracker | CDC](#) (31 March 2025)
- [Overview: Canadian respiratory virus surveillance report \(FluWatch+\) — Canada.ca](#) (EW12)
- [Respiratory Viruses weekly report | PAHO - WHO](#) (EW11)

Western Pacific

- [Weekly Report | Chinese National Influenza Center](#) (W12)
- [Seasonal influenza \(who.int\)](#) (26 March 2025)
- [COVID-19 situation reports | WHO Western Pacific](#) (28 March 2025)
- [Australian Respiratory Surveillance Reports – 2024 | Australian Government Department of Health and Aged Care](#) (W9-12)

Africa

- [Weekly respiratory pathogens surveillance report week | NICD](#) (W12)

A Nivel publication

Boudewijns, B., Heemskerk, S., Heuvel, L. van, Del Riccio, M., Caini, S., Stelma, F. [Nivel FluCov: Influenza-COVID-19 Activity Report #3: 1 April 2025](#). Netherlands, Utrecht: Nivel, 2025

Websites for more information

Project Website: <https://www.nivel.nl/en/flu cov>

FluCov Dashboard: <https://www.nivel.nl/en/flu cov-dash board>

Funding

The Nivel FluCov project is funded by Sanofi.