

## Nivel FluCov: Influenza-COVID-19 Activity Report #4

15 April 2025

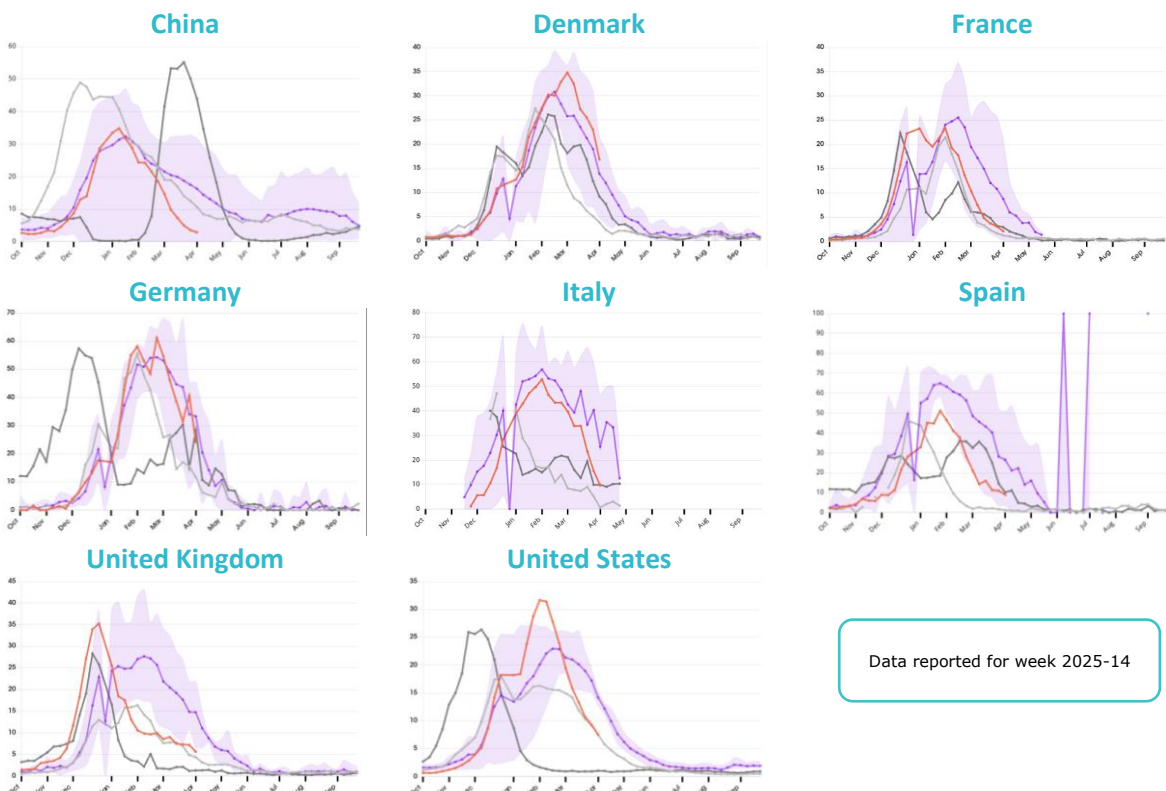
### Seasonal Influenza

#### 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. In Denmark, influenza activity was at 17% positivity in week 14 (23% in week 13) suggesting a further decrease in activity. Activity remained very low (<10% positivity) in the UK, Spain, Italy and France and decreased to moderate (24.2% positivity) in Germany. In the US, influenza activity continued to decrease to low activity (7.6% positivity overall).
- **Asia:** Influenza activity in China remained at very low levels (<10% positivity) in Northern and Southern China.
- **Southern Hemisphere:** Influenza activity remained low in most countries in the Southern Hemisphere. Activity was elevated in a few countries in Tropical South America, 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 have returned to expected levels, after presenting increased levels of mortality from week 51, 2024 to week 9, 2025.
- **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 (wk13), 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 (65-77% 'well-recognised'/'similar') for influenza A(H3N2).
- **Influenza Viruses of Pandemic Potential:** Fatal first human H5N1 case in Mexico, 3-year-old girl; exposure source unknown. 3 H9N2 cases reported in China, bringing the 2025 total to 5 (2024 total 11).
- **SARS-CoV-2 activity:** Low globally in week 13, with a few exceptions of elevated activity reported in Temperate South America, Eastern Asia, and Western Africa.

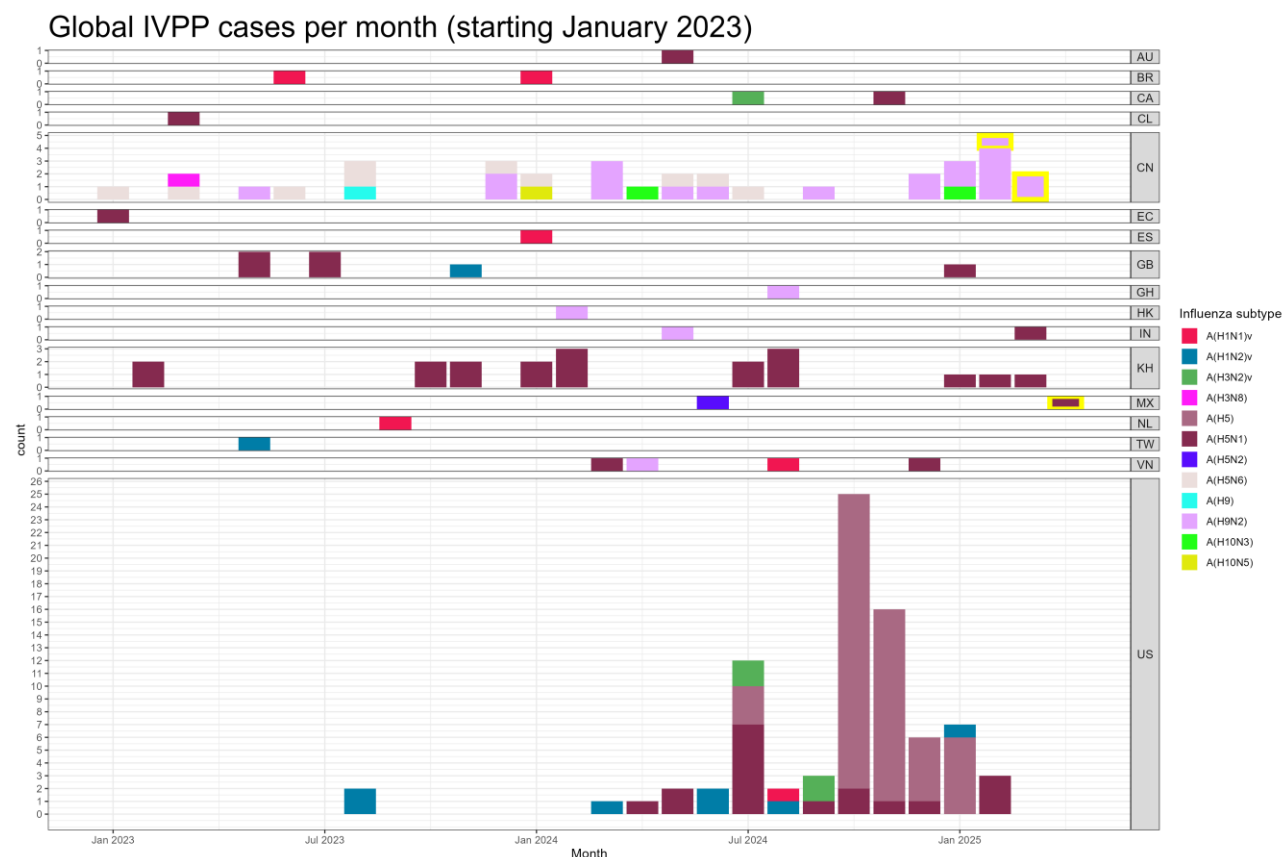
### Positive Influenza tests (%)

— 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 2025-14

## 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 3 April

**Influenza A(H5N1):** On 8 April 2025, **Mexico (MX)** reported its first human fatality from avian influenza A(H5N1). The patient, a three-year-old child from the state of Durango, tested positive on 1 April 2025 and was hospitalized in a serious condition. Authorities have begun targeted epidemiological and environmental response actions; so far, 38 human contacts of the case have been sampled and all tested negative.

Globally, from 2003 through 9 April 2025, there have been 972 human cases of A(H5N1), including 470 deaths. To date, no sustained human-to-human transmission has been detected.

**Influenza A(H9N2):** Three cases of influenza A(H9N2) were reported in different regions in **China (CN)**. The cases involved a seven-year-old girl from Henan Province with disease onset on 11 February 2025, a five-year-old boy from Guangxi Zhuang Autonomous Region with disease onset on 3 March 2025, and a 35-year-old woman from Guizhou Province with disease onset on 10 March 2025. The source of exposure and current condition of the patients were not reported. Thus far, a total of five H9N2 cases were reported in China in 2025.

For avian influenza virus infections in animals, please see: [Global AIV with Zoonotic Potential \(fao.org\)](https://www.fao.org/global-aiiv-zoonotic-potential/) [last updated 27 March 2025].

## Seasonal influenza global overview: 15 April 2025

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

Northern Hemisphere				
Country/ region	Week	Indicator	Info	Trend
EU	14	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: 15%, median: 13%	
		SARI influenza positive	Pooled: 9.6%, median: 12%	
		Mortality (EuroMOMO)	Excess mortality returned to expected levels	
England	14	Predominant virus lineage	Mainly influenza A(H1N1)pdm09, increasing proportion influenza B in 2025	<10%
		Influenza activity	Low activity levels	
		% positive tests	6.2%	
		Hospitalization rate (weekly)	1.36 per 100,000	
USA	14	Predominant virus lineage	Cocirculation of A(H1N1)pdm09, A(H3N2) and B viruses	<10%
		Influenza activity	Continues to decline, several more weeks of activity expected	
		% positive tests	7.6%	
		Hospitalization rate (weekly)	1.2 per 100,000	
		Mortality	0.6% of deaths attributed to influenza	
Canada	14	Predominant virus lineage	Influenza A(H1N1)pdm09	↓
		Influenza activity	Decreasing trend	
		% positive tests	13.6%	
		Hospitalization rate (weekly)	2.3 per 100,000	
		Mortality	329 deaths since 25 August 2024	
China	14	Predominant virus lineage	A(H1N1)pdm09	<10%
		Influenza activity	Decrease in Southern provinces and slightly increased detections in Northern provinces	
Southern Hemisphere				
Brazil	13	Predominant virus lineage	Influenza B/Victoria	<10%
		Influenza activity	Below epidemic threshold	
		% positive tests	1.96%	
Australia	13-14	Predominant virus lineage	Influenza A(H1N1)pdm09	<10%
		Influenza activity	Low at interseasonal levels	
		% positive tests	5.1%	
		Hospitalizations	285 adults admitted to sentinel hospitals in 2025 (1 January – 23 March)	
		Mortality rate	26 deaths in January 2025	
South Africa	14	Predominant virus lineage	Influenza A	↑
		Influenza activity	Increasing trend	
		% positive tests	11.4% (15/132 detections)	
		Hospitalizations	28 (30 Dec 2024 – 6 April 2025)	

↑ increase; → stable; ↓ decrease

## SARS-CoV-2 global overview: 15 April 2025

**Global circulation:** Globally, SARS-CoV-2 activity remained low across reporting countries except for a few countries in Temperate South America, Western Africa and Eastern Asia where positivity remained elevated.

Northern Hemisphere				
Country/region	Week	Indicator	Info	Trend
EU	14	Detections	At very low level	→
		% positive tests	Pooled: 2.4%, median: 0.4%	
		SARI SARS-CoV-2 positive	Pooled: 1.7%, median: 1.6%	
		Mortality (EuroMOMO)	Excess mortality returned to expected levels	
England	14	Detections	Circulating at baseline level, slight increase	→
		% positive tests	4.5%	
		Hospitalizations	1.43 per 100,000	
		Mortality	77 (7 days up to 28 March 2025)	
USA	14	% positive tests	3.6%	→
		Hospitalizations	1.8 per 100,000	
		Mortality	0.7% of all deaths	
Canada	14	Detections/activity	Stabilization at low levels	→
		% positive tests	2%	
		Hospitalizations	0.6 per 100,000	
		Mortality	1852 deaths since 25 August 2024	
China	13	Detections	0 cases reported (28 days up to 30 March)	
		% positive tests	-	
Southern Hemisphere				
Brazil	13	Detections	Circulation decreasing	↓
		% positive tests	6.98%	
Australia	13-14	Detections	Remain low	→
		% positive tests	2.9%	
		Hospitalizations	383 adults admitted to sentinel hospitals in 2025 (1 January – 23 March)	
		Mortality	228 deaths in January 2025	
South Africa	14	Detections	Low detection rate	→
		% positive tests	1.5% (2/132 detections)	
		Hospitalizations	39 (30 Dec 2024 – 6 April 2025)	

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

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## 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](#) (#521, 10 April 2025)
- [FluCov Dashboard | Nivel](#)

#### Europe

- [ERVISS | ECDC](#) (W14)
- [EuroMOMO](#) (W14)
- [National flu and COVID-19 surveillance reports: 2024 to 2025 season | UKHSA](#) (W15)
- [COVID-19 | UKHSA data dashboard](#) (10 April 2025)

#### Americas

- [FluView | FluView | CDC](#) (EW14)
- [COVID Data Tracker | CDC](#) (5 April 2025)
- [Overview: Canadian respiratory virus surveillance report \(FluWatch+\) — Canada.ca](#) (EW14)
- [Respiratory Viruses weekly report | PAHO - WHO](#) (EW13)

#### Western Pacific

- [Weekly Report | Chinese National Influenza Center](#) (W14)
- [Seasonal influenza \(who.int\)](#) (9 April 2025)
- [COVID-19 situation reports | WHO Western Pacific](#) (11 April 2025)
- [Australian Respiratory Surveillance Reports – 2024 | Australian Government Department of Health and Aged Care](#) (W13-14)

#### Africa

- [Weekly respiratory pathogens surveillance report week | NICD](#) (W14)

### A Nivel publication

Heemskerk, S., Boudewijns, B., C, Laarman., 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/fluov>

FluCov Dashboard: <https://www.nivel.nl/en/fluov-dashboard>

### Funding

The Nivel FluCov project is funded by Sanofi.