

FluCov Influenza Activity Report #8

15 January 2024

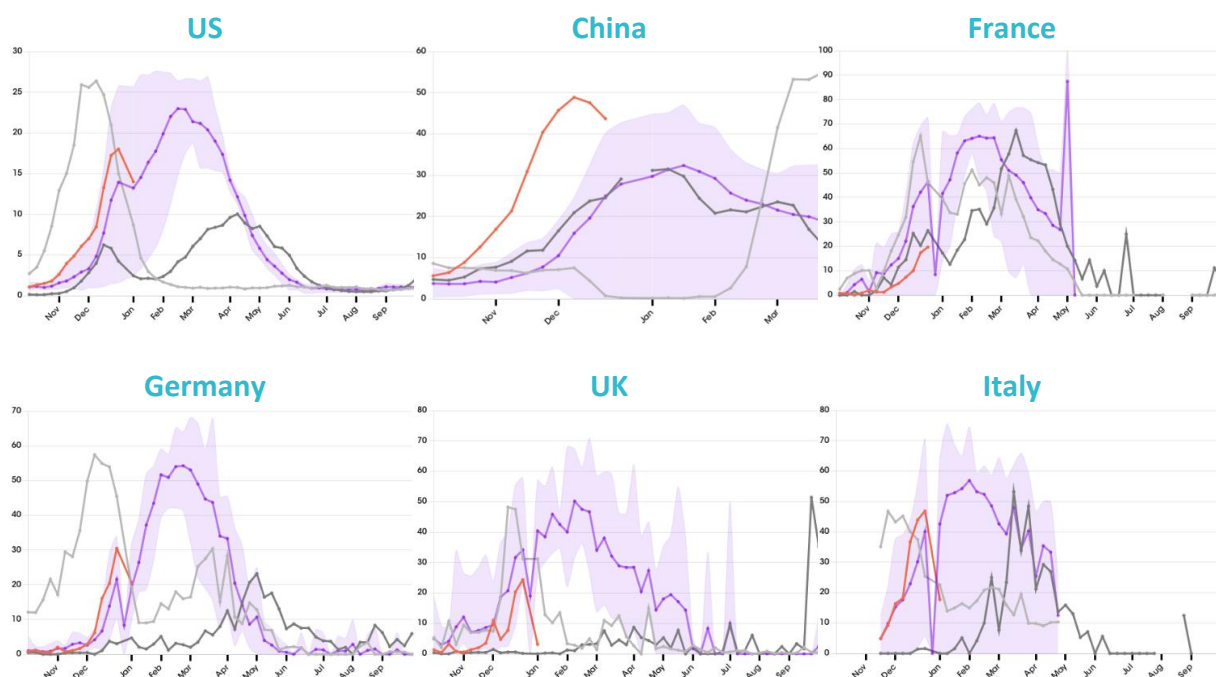
Take home: increased influenza activity in the Northern Hemisphere

- North America and Europe:** Influenza activity remains elevated with moderate to high activity in most U.S. states. In Europe, a mixed activity pattern was observed, with very low activity (<10% positivity) in the UK, low activity (10-20% positivity) in Denmark, France and Italy, moderate activity (20-30% positivity) in Germany and high activity (30-40% positivity) in Spain.
- Asia:** Influenza overall positivity rate in China remained over 30% in week 52/2023, in part driven by very high percent positive (>50%) in Southern China. Influenza activity remains above 25% in South Korea and Thailand (week 52/2023).
- Circulating virus:** While A/H3 and B/Victoria have predominated globally and in China, A/H1N1pdm09 has dominated circulation in most of our Northern Hemisphere key markets. Presently, there are no documented cases of B-Yamagata.
- Vaccine match:** Early indicators suggest good vaccine match, but limited data availability (e.g., no confirmation from CDC).
- Influenza Viruses of Pandemic Potential:** Two mild H9N2 cases were reported in China that occurred in Nov/Dec 2023 in a 1-year-old & 74-year-old; since 2014, a total of 89 lab-confirmed human cases of A(H5N6), including 35 deaths, have been reported – 88 in China and 1 in Laos. In January 2024, an outbreak of avian influenza A(H5N1) in vaccinated ducks was reported on a farm in France.
- COVID hospitalizations:** Are showing an increasing trend in the U.S, but are decreasing in Italy. For England, the last update was on 7 December 2023, hospitalizations were increasing at the time, after a period of decrease.

Positive Influenza tests (%)

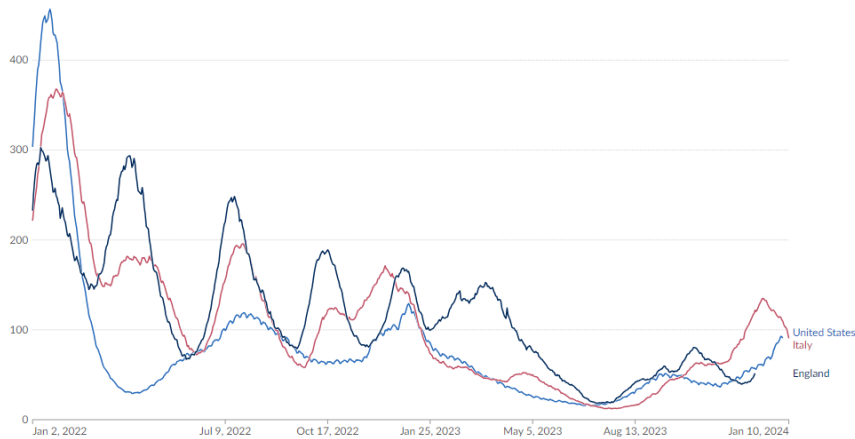
Note: China positivity rates were last updated week 51/2023 and France positivity rates were last updated week 52/2023

— Season 2023/2024
 — Season 2022/2023
 — Season 2021/2022
 — Average of pre-COVID-19 seasons (2014/2015 to 2018/2019) [Min; Max]



Weekly hospital SARS-CoV-2 hospital admissions

(US, Italy, England; admissions/million)



Displayed data is the most recent reported; it is possible that there may be a delay in reporting. Most recent estimates subject to change (e.g. may decline) due to ongoing testing of specimen. Data only available for three countries at the moment.

Data sources & details

US: FluView (Clinical Laboratories)
DK: WHO FluNET (non-sentinel)
ES: ERVISS
All others: WHO FluNet (sentinel)
COVID: Our World in Data.

A Nivel publication

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Websites for more information

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

FluCoV Dashboard: <https://www.nivel.nl/en/flucoV-dashboard>

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