

FluCov Influenza Activity Report #4

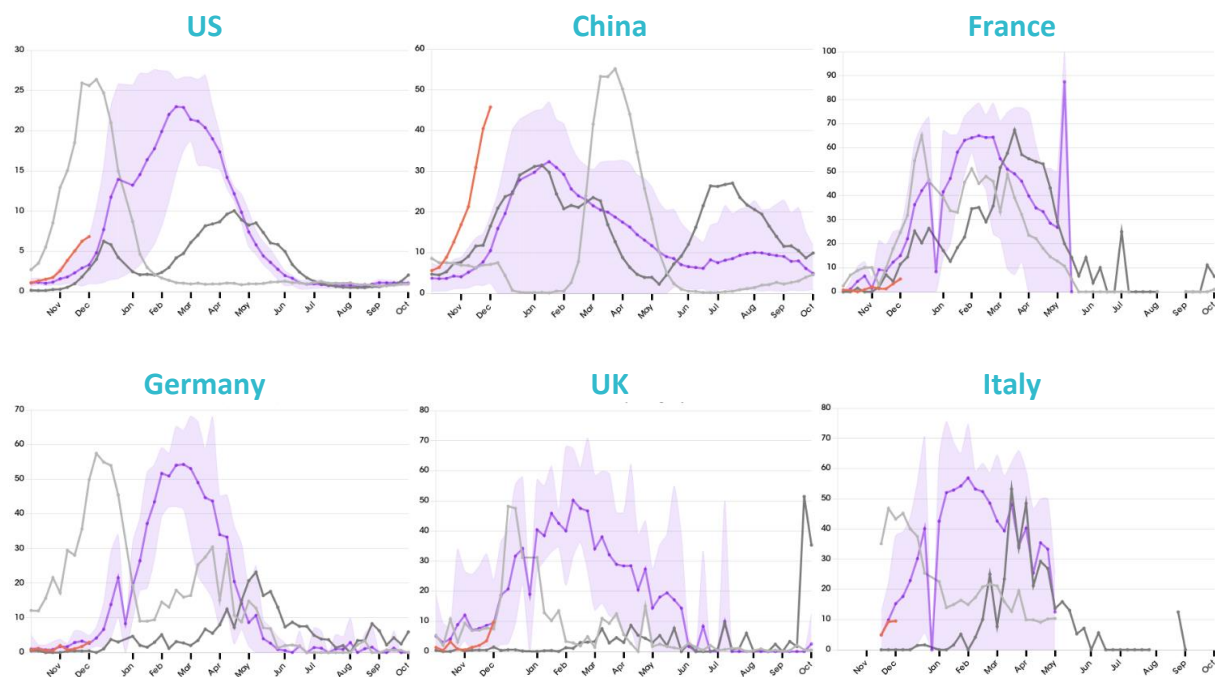
11 December 2023

Take home: Slow increasing of influenza activity in most of the Northern Hemisphere

- **North America and Europe:** Influenza activity is increasing, and having surpassed the seasonal threshold in North America, with high activity reported in Southern U.S. countries.
- **Asia:** Influenza activity in Southern China has risen from high (40-50% positivity) to very high activity ($\geq 50\%$ positivity) in week 48, while Northern China now reports high activity. Thailand and South Korea report moderate influenza activity (above 25% in week 48).
- **Circulating virus:** Influenza virus circulation is increasing globally. Over the past weeks, a combination of influenza A/H3, A/H1N1p, and B/Victoria viruses has been observed in the Northern Hemisphere. Presently, there are no documented cases of B-Yamagata.
- **Vaccine match:** Too early to provide an assessment regarding the vaccine match.
- **Influenza Viruses of Pandemic Potential:** On 12th October Cambodia reported two fatal HPAI A/H5N1 human cases (the 3d and 4th A/H5N1 cases reported in Cambodia this year). In addition, a fatal case of A/H5N6 was reported in Chongqing, China (87th case from China since 2014). On Oct 24, 2023, highly pathogenic avian influenza (HPAI) A/H5N1 has been confirmed in brown skua populations on Bird Island, South Georgia; the first known cases in the Antarctic region.
- **COVID hospitalizations:** Are stable in England and increasing in Italy. Hospitalizations in the United States show a tentative increase.

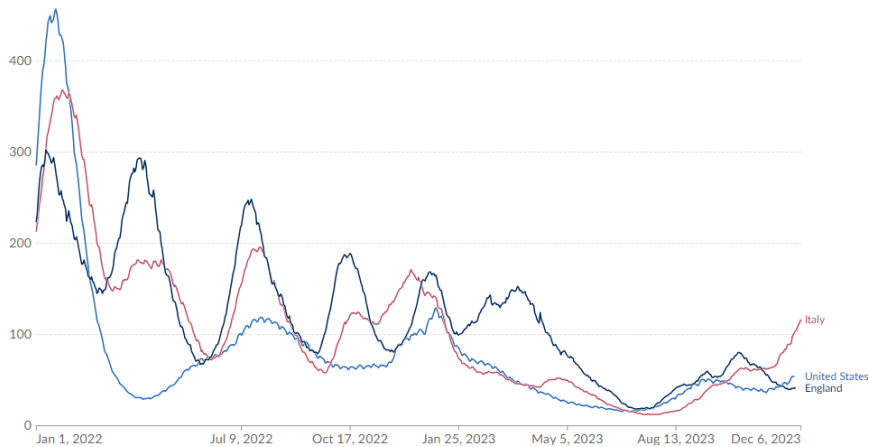
Positive Influenza tests (%)

— 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)
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/fluov>

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

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