

Europe staggers as infectious variants power virus surge

March 6 2021, by Colleen Barry



In this Saturday, Feb. 7, 2021 file photo, people crowd Via del Corso shopping street in Rome, following the ease of restriction measures to curb the spread of COVID-19. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (Cecilia Fabiano/LaPresse via AP)

The virus swept through a nursery school and an adjacent elementary school in the Milan suburb of Bollate with amazing speed. In a matter of just days, 45 children and 14 staff members had tested positive.

Genetic analysis confirmed what officials already suspected: The highly contagious coronavirus variant first identified in England was racing through the community, a densely packed city of nearly 40,000 with a chemical plant and a Pirelli bicycle tire factory a 15-minute drive from the heart of Milan.

"This demonstrates that the virus has a sort of intelligence. ... We can put up all the barriers in the world and imagine that they work, but in the end, it adapts and penetrates them," lamented Bollate Mayor Francesco Vassallo.

Bollate was the first city in Lombardy, the northern region that has been the epicenter in each of Italy's three surges, to be sealed off from neighbors because of virus variants that the World Health Organization says are powering another uptick in infections across Europe. The variants also include versions first identified in South Africa and Brazil.

Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and a reversal that ended a six-week decline in new infections, WHO said Thursday.



Carabinieri officers patrol one of the main access road to Bollate, in the outskirts of Milan, Italy. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Luca Bruno)

"The spread of the variants is driving the increase, but not only," said Dr. Hans Kluge, WHO regional director for Europe, citing "also the opening of society, when it is not done in a safe and a controlled manner."

The variant first found in the U.K. is spreading significantly in 27 European countries monitored by WHO and is dominant in at least 10 countries: Britain, Denmark, Italy, Ireland, Germany, France, the Netherlands, Israel, Spain and Portugal.

It is up to 50% more transmissible than the virus that surged last spring and again in the fall, making it more adept at thwarting measures that were previously effective, WHO experts warned. Scientists have concluded that it is also more deadly.

"That is why health systems are struggling more now," Kluge said. "It really is at a tipping point. We have to hold the fort and be very vigilant."



In this Saturday, Feb. 27, 2021 file photo, people gather at the Darsena dei Navigli, in Milan, Italy. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Luca Bruno, File)

In Lombardy, which bore the brunt of Italy's spring surge, intensive care wards are again filling up, with more than two-thirds of new positive tests being the UK variant, health officials said.

After putting two provinces and some 50 towns on a modified lockdown, Lombardy's regional governor announced tightened restrictions Friday and closed classrooms for all ages. Cases in Milan schools alone surged 33% in a week, the provincial health system's chief said.

The situation is dire in the Czech Republic, which this week registered a record-breaking total of nearly 8,500 patients hospitalized with COVID-19. Poland is opening temporary hospitals and imposing a partial lockdown as the U.K. variant has grown from 10% of all infections in February to 25% now.

Two patients from hard-hit Slovakia were expected to arrive Saturday for treatment in Germany, where authorities said they had offered to take in 10 patients.



In this Saturday, Feb. 27, 2021 file photo, people gather at the Darsena dei Navigli, in Milan, Italy. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Luca Bruno, File)

Kluge cited Britain's experience as cause for optimism, noting that widespread restrictions and the introduction of the vaccine have helped tamp down the variants there and in Israel. The vaccine rollout in the European Union, by comparison, is lagging badly, mostly because of supply problems.

In Britain, the emergence of the more transmissible strain sent cases

soaring in December and triggered a national lockdown in January. Cases have since plummeted, from about 60,000 a day in early January to about 7,000 a day now.

Still, a study shows the rate of decline slowing, and the British government says it will tread cautiously with plans to ease the lockdown. That process begins Monday with the reopening of schools. Infection rates are highest in people ages 13 to 17, and officials will watch closely to see whether the return to class brings a spike in infections.



In this Thursday, Feb. 25, 2021 file photo, a man wearing a face mask walks across the medieval Charles Bridge in Prague, Czech Republic. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The

so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Petr David Jousek, File)

While the U.K. variant is dominant in France, forcing lockdowns in the French Riviera city of Nice and the northern port of Dunkirk, the variant first detected in South Africa has emerged as the most prevalent in France's Moselle region, which borders Germany and Luxembourg. It represents 55% of the virus circulating there.

Austria's health minister said Saturday the U.K. variant is now dominant in his country. But the South Africa variant is also a concern in a district of Austria that extends from Italy to Germany, with Austrian officials announcing plans to vaccinate most of the 84,000 residents there to curb its spread. Austria is also requiring motorists along the Brenner highway, a major north-south route, to show negative test results.

The South Africa variant, now present in 26 European countries, is a source of particular concern because of doubts over whether the current vaccines are effective enough against it. The Brazilian variant, which appears capable of reinfecting people, has been detected in 15 European countries.



In this Thursday, Feb. 25, 2021, file photo, pedestrians pass a sign on a bus stop in West Ealing in London. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Kirsty Wigglesworth, File)



In this Saturday, Feb. 27, 2021 file photo, a row of empty chairs is pictured along the Promenade des Anglais in Nice, southern France. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Daniel Cole, File)



In this Tuesday, March 2, 2021 file photo, a German health worker tests for COVID-19 a French national going to Germany at the German-French border near Saarbrücken. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Jean-Francois Badias, File)



In this Saturday, Feb. 27, 2021 filer, people enjoy the view at the Promenade des Anglais in Nice, southern France. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Daniel Cole, File)



In this Thursday, Feb. 25, 2021 file photo, a woman walks past the entrance of the vaccination center in Frankfurt, Germany. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Michael Probst, File)



In this Feb. 2, 2021 file photo, pedestrians wearing masks against coronavirus walk past an NHS advertisement about COVID-19 in London, Tuesday, Feb. 2, 2021. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Alastair Grant, File)



In this Tuesday, Feb. 2, 2021 file photo, a man takes his own COVID-19 swab test at a newly built testing facility in a car park in West Ealing, London. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Frank Augstein, File)



In this Wednesday, Feb. 24, 2021 file photo, a man walks across the medieval Charles Bridge in Prague, Czech Republic. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Petr David Josek, File)



In this Wednesday Jan. 13, 2021 file photo, microbiologist Marielle Bedotto-Buffet prepares samples at the University Hospital Institute for Infectious Diseases in Marseille, southern France, to study the highly contagious COVID-19 variant that has been discovered in the UK. Europe recorded 1 million new COVID-19 cases last week, an increase of 9% from the previous week and ending a six-week decline, WHO said Thursday, March 4, 2021. The so-called UK variant is of greatest concern in the 53 countries monitored by WHO in Europe. (AP Photo/Daniel Cole, File)

WHO and its partners are working to strengthen the genetic surveillance needed to track variants across the continent.

The mayor of Bollate has appealed to the regional governor to vaccinate all 40,000 residents immediately, though he expects to be told the

vaccine supply is too tight.

Bollate has recorded 3,000 positive cases and 134 deaths—mostly among the elderly—since Italy was stricken a year ago. It took the brunt in the resurgence in November and December, and was caught completely off guard when the U.K. variant arrived, racing through schoolage children before hitting families at home.

"People are starting to get tired that after a year there is no light at the end of the tunnel," Vassallo said.

© 2021 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or redistributed without permission.

Citation: Europe staggers as infectious variants power virus surge (2021, March 6) retrieved 25 April 2024 from

<https://medicalxpress.com/news/2021-03-speedy-variants-power-virus-surge.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.