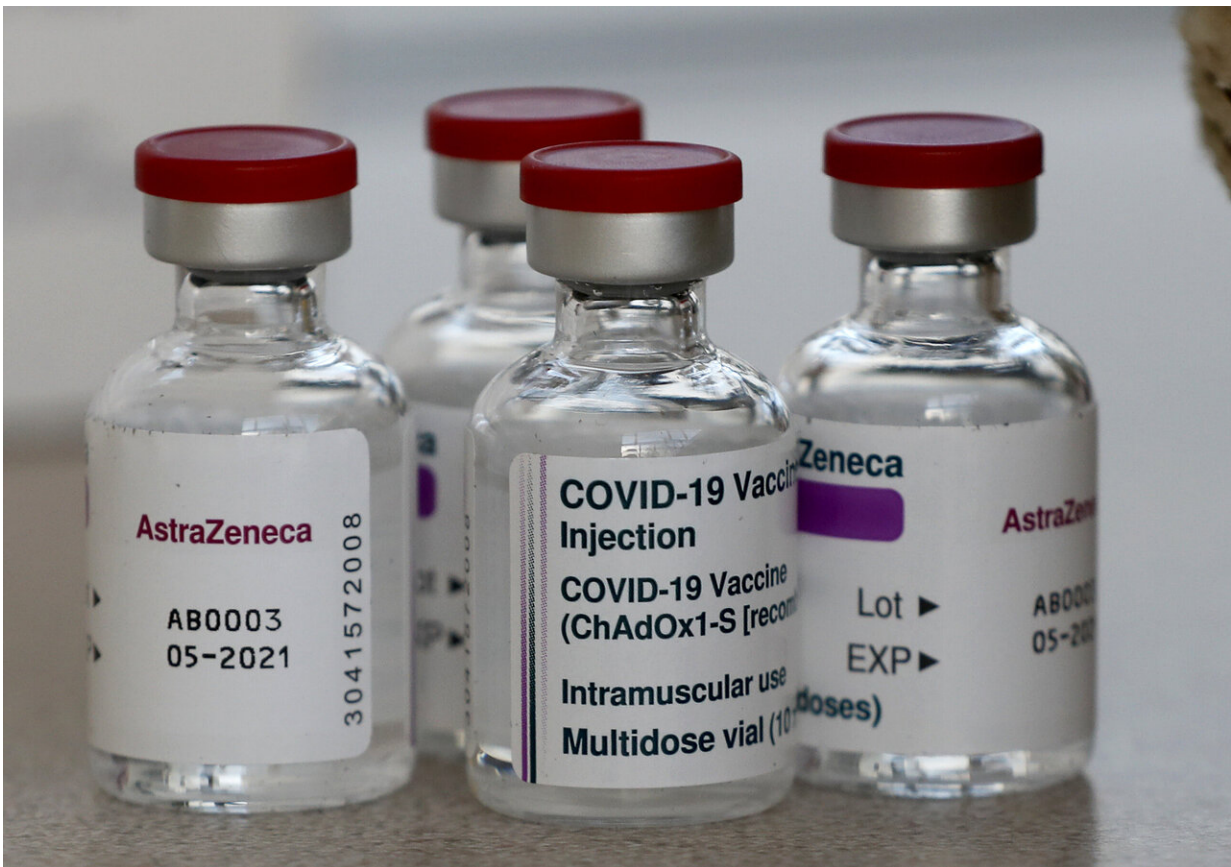


# EXPLAINER: Why countries are halting the AstraZeneca shot

March 15 2021, by Maria Cheng

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In this Feb. 5, 2021, file photo, vials AstraZeneca vaccine ready to be used at the Wellcome Centre in London. In recent days, countries including Denmark, Ireland and Thailand have temporarily suspended their use of AstraZeneca's coronavirus vaccine after reports that some people who got a dose developed blood clots, even though there's no evidence that the shot was responsible. The European Medicines Agency and the World Health Organization say the data available do not suggest the vaccine caused the clots. Britain and several other

countries have stuck with the vaccine. (AP Photo/Frank Augstein, File)

At least a dozen countries including Germany, France, Italy and Spain have now temporarily suspended their use of AstraZeneca's coronavirus vaccine after reports last week that some people in Denmark and Norway who got a dose developed blood clots, even though there's no evidence that the shot was responsible.

The European Medicines Agency and the World Health Organization say the data available don't suggest the vaccine caused the clots and that people should continue to be immunized. Here's a look at what we know—and what we don't.

## WHAT HAPPENED?

Denmark was the first country to halt its use of the AstraZeneca COVID-19 vaccine last week after reports of blood clots in some people, including one person who developed multiple clots and died 10 days after receiving at least one dose. Danish health authorities said the suspension would last for at least two weeks while the cases were investigated, even as they noted that "it cannot be concluded whether there is a link between the vaccine and the blood clots."

Norway, Iceland, Bulgaria, Thailand, and Congo soon followed suit. On Saturday, Norwegian authorities reported that four people under age 50 who had gotten the AstraZeneca vaccine had an unusually low number of blood platelets. That could lead to severe bleeding. Ireland and the Netherlands then announced that they too, were stopping their use of the AstraZeneca vaccine.

"We must always err on the side of caution, which is why it is sensible to

press the pause button now as a precaution," said Hugo de Jonge, the Dutch health minister.

After saying [last week](#) they would continue with the vaccine, [German officials said Monday they would suspend its use](#) after fresh reports of new problems. French President Emmanuel Macron said France too would suspend its use until at least Tuesday afternoon, followed by announcements by Italy and Spain that they too would halt the vaccine for now.



In this March 12, 2021, file photo, a health worker holds a bottle of AstraZeneca COVID-19 vaccine with name Thailand's Prime Minister Prayuth Chan-ocha written on it, at Bamrasnaradura Hospital in Bangkok, Thailand. In recent days, countries including Denmark, Ireland and Thailand have temporarily suspended their use of AstraZeneca's coronavirus vaccine after reports that some people

who got a dose developed blood clots, even though there's no evidence that the shot was responsible. The European Medicines Agency and the World Health Organization say the data available do not suggest the vaccine caused the clots. (AP Photo/Sakchai Lalit, File)

In response to the suspensions of its vaccine, AstraZeneca said it had carefully reviewed the data on 17 million people who received doses across Europe and found there were 37 cases of people who developed blood clots. It said there was "no evidence of an increased risk" of blood clots in any age group or gender in any country.

"This is much lower than would be expected to occur naturally in a general population of this size and is similar across other licensed COVID-19 vaccines," the company said.

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## IS THERE ANY PROOF THE VACCINE IS RESPONSIBLE?

No. The European Medicines Agency says there is "no indication that vaccination has caused these conditions." The EU regulator said its investigation was continuing and was conducting a "rigorous analysis" of all data. It said while its review was ongoing, the benefits of the AstraZeneca vaccine outweighed the potential side effects.

The EMA said it was convening its expert safety committee Tuesday and would hold another meeting on Thursday to decide on any necessary actions.

In Britain, where 11 million doses of the AstraZeneca vaccine have been administered—more than any other country—there have been reports of

about 11 people who developed blood clots after getting a shot. None were proven to have been caused by the vaccine.



In this Jan. 11, 2021, file photo, a man receives an injection of the AstraZeneca vaccine at the mass vaccination program in Newcastle Upon Tyne, England. In recent days, countries including Denmark, Ireland and Thailand have temporarily suspended their use of AstraZeneca's coronavirus vaccine after reports that some people who got a dose developed blood clots, even though there's no evidence that the shot was responsible. The European Medicines Agency and the World Health Organization say the data available do not suggest the vaccine caused the clots. Britain and several other countries have stuck with the vaccine. (AP Photo/Scott Heppell, File)

Some doctors pointed out that since vaccination campaigns started by giving doses to the most vulnerable people, those now being immunized are more likely to already have health problems. Experts say that could make it difficult to determine whether a vaccine is responsible.

Blood clots that form in the arms, legs or elsewhere can sometimes break free and travel to the heart, brain or lungs, causing strokes, heart attacks or a deadly blockage of blood flow.

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## SO WHY DID THEY STOP VACCINATION?

Any time vaccines are rolled out widely, scientists expect some serious health issues and deaths to be reported—simply because millions of people are receiving the shots and problems would be expected to occur randomly in a group so large. The vast majority of these end up not being connected to the vaccine, but because COVID-19 vaccines are still experimental and there is no long-term data, scientists must investigate every possibility that the shot could have unforeseen side effects.

WHO's chief scientist, Dr. Soumya Swaminathan, said officials at the U.N. health agency "don't want people to panic" amid the reports. She noted that of the 300 million doses of coronavirus vaccines have been given to people globally, "there is no documented death that has been linked to a COVID vaccine."

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In this Jan. 11, 2021, file photo Mary Williams, right, receives an injection of the AstraZeneca vaccine at the mass vaccination centre in Newcastle Upon Tyne, England. In recent days, countries including Denmark, Ireland and Thailand have temporarily suspended their use of AstraZeneca's coronavirus vaccine after reports that some people who got a dose developed blood clots, even though there's no evidence that the shot was responsible. The European Medicines Agency and the World Health Organization say the data available do not suggest the vaccine caused the clots. Britain and several other countries have stuck with the vaccine. (AP Photo/Scott Heppell, File)

## IS THIS A CONCERN WITH OTHER COVID-19 VACCINES?

The EMA is currently examining whether COVID-19 shots made by

Pfizer-BioNTech, Moderna Inc. and AstraZeneca might be causing low levels of blood platelets in some patients, a condition that could lead to bruising and bleeding.

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## HAS ASTRAZENECA RUN INTO OTHER TROUBLE?

The vaccine has been approved for use in adults in more than 50 countries and has been proven to be safe and effective in research done in Britain, Brazil and South Africa. But there have been concerns raised about how the vaccine data have been released, and some European leaders, including French President Emmanuel Macron, have questioned the vaccine's effectiveness in older people, citing a lack of information.

Britain first authorized the vaccine based on partial results that suggested the shots were about 70% effective. But those results were clouded by a manufacturing mistake that led some participants to get just a half dose in their first shot—an error the researchers didn't immediately acknowledge. When it recommended the vaccine be licensed, the EMA estimated the vaccine's efficacy to be about 60%.

The data on whether the vaccine protected older adults were also incomplete, leading some European countries to initially withhold the shot from older people.





In this Jan. 2, 2021, file photo, doses of the COVID-19 vaccine developed by Oxford University and U.K.-based drugmaker AstraZeneca arrive at the Princess Royal Hospital in Haywards Heath, England. In recent days, countries including Denmark, Ireland and Thailand have temporarily suspended their use of AstraZeneca's coronavirus vaccine after reports that some people who got a dose developed blood clots, even though there's no evidence that the shot was responsible. The European Medicines Agency and the World Health Organization say the data available do not suggest the vaccine caused the clots. Britain and several other countries have stuck with the vaccine. (Gareth Fuller/Pool Photo via AP, File)

In the U.S., the Food and Drug Administration suspended a study in 30,000 Americans for an unusual six weeks, as frustrated regulators sought information about some possible side effects reported in Britain.

"All the data we have seen about the AstraZeneca vaccine suggests it's very safe and is saving people from dying of COVID," said Dr. Paul Hunter, a professor of medicine at the University of East Anglia. "But this may be more of a perception problem because every time there is a vaccine issue, we hear the name 'AstraZeneca' soon after."

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## SO WHAT ARE EXPERTS TELLING PEOPLE TO DO?

The WHO and the EMA—as well as regulators in several countries—say people should continue to be immunized and that the small risks of getting vaccinated far outweighs any potential harm.

"The safety of the public will always come first," said Britain's drug regulator. "People should still go and get their COVID-19 vaccine when asked to do so."

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Citation: EXPLAINER: Why countries are halting the AstraZeneca shot (2021, March 15)  
retrieved 26 April 2024 from

<https://medicalxpress.com/news/2021-03-countries-halting-astrazeneca-shot.html>

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