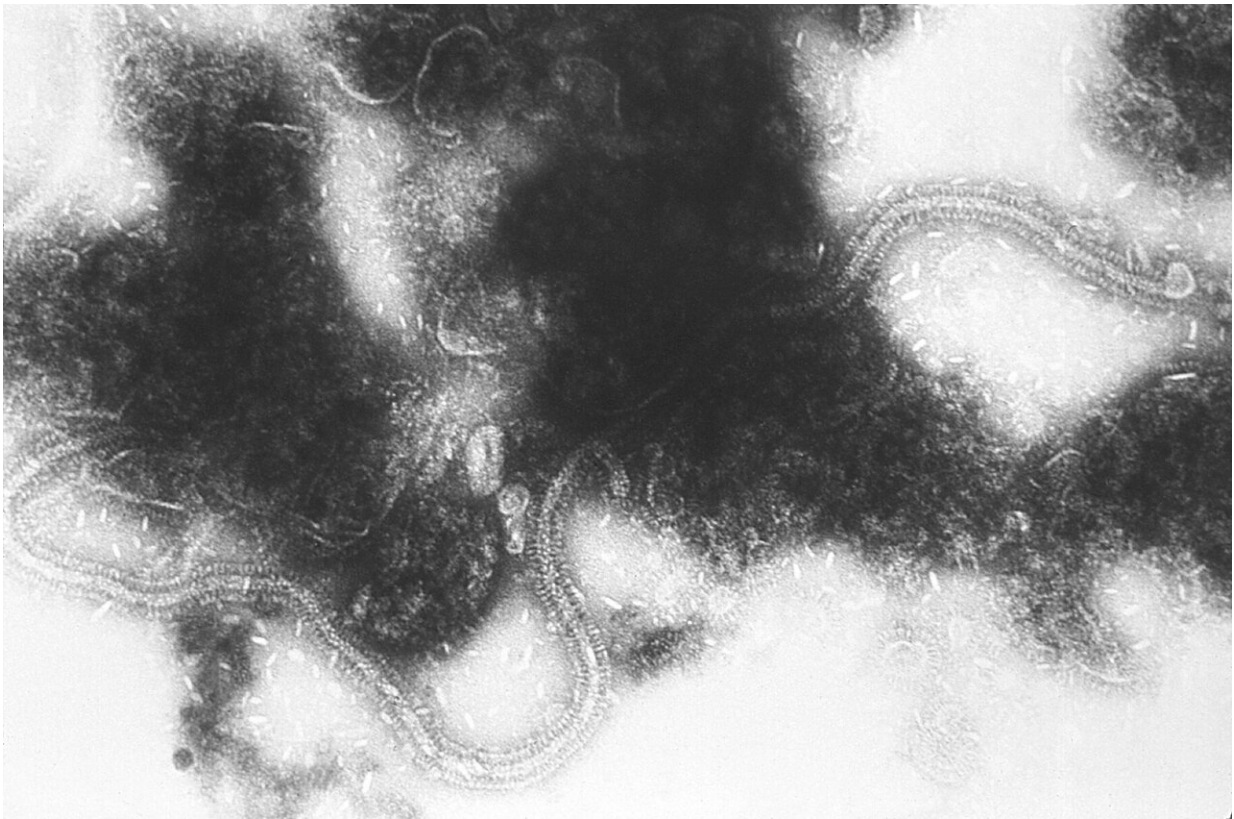


EU approves preventative treatment for common infant virus

November 4 2022



Transmission electron micrograph of RSV. Credit: CDC/ Dr. Erskine Palmer / Public Domain

The European Union has approved a preventative treatment for the very common virus that causes the chest infection bronchiolitis in infants, the

companies that developed the drug said Friday.

The greenlight from the European Commission comes as several countries have seen surging cases of bronchiolitis put pressure on hospitals.

British-Swedish pharmaceutical firm AstraZeneca and France's Sanofi said their approved drug nirsevimab, marketed as Beyfortus, was the first treatment to prevent [severe illness](#) from [respiratory syncytial virus](#) (RSV) in all infants.

RSV infects nearly all children by the age of two, the companies said. It is the most common cause of bronchiolitis, a respiratory infection that is normally mild but in some cases can make infants seriously ill.

While not a vaccine, nirsevimab has a similar aim: to give protection against RSV with a single injection.

It is a monoclonal antibody treatment, which directly arms the body to fight against the disease, rather than a vaccine which triggers the [immune system](#)'s own antibodies.

"Today is a landmark day for RSV prevention, as decades of research and development come together in the world's first approval of a broadly protective option against RSV disease," Sanofi's vaccine executive vice president Thomas Triomphe said in a statement.

The drug will not be available to help fight this season of bronchiolitis in the Northern Hemisphere, which has spurred the highest rate of hospitalizations for the disease in years in France.

"Beyfortus will be available for the next season—2023—of bronchiolitis," Sanofi told AFP.

Another [preventative treatment](#), also produced by AstraZeneca, already exists, though it is only advised for children born premature or who are considered at risk.

While there is no RSV vaccine currently available, several are in development.

Earlier this week US pharma giant Pfizer announced positive results for its RSV vaccine from a Phase 3 trial, paving the way for future approval.

Pfizer's vaccine was nearly 82 percent effective at preventing serious illness from RSV in the first three months of a baby's life, the trial found.

More than 30 preventative treatments—either vaccines or monoclonal antibodies—are undergoing [clinical trials](#), according to a review published in the journal *Lancet Infectious Disease* in August.

"RSV prevention is within reach," the authors summarized, saying that the virus is the second leading cause of infant deaths worldwide, mostly in developing countries.

© 2022 AFP

Citation: EU approves preventative treatment for common infant virus (2022, November 4) retrieved 21 March 2023 from <https://medicalxpress.com/news/2022-11-eu-treatment-common-infant-virus.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.