

# Nirsevimab

## Nirsevimab (brand name Beyfortus™)

Nirsevimab is a monoclonal antibody that helps prevent serious illness from RSV. Nirsevimab provides passive immunity. It is not a vaccine, but it is an immunization. It can also be referred to as a preventative medication.

Nirsevimab is given through intramuscular injection and provides protection for around 6 months.

Nirsevimab is recommended for:

- Newborns who are born during the RSV season.
- Infants under 8 months old who are entering their first RSV season.
- Children 8 months up to 19 months who are at risk of severe RSV disease. Children receiving nirsevimab in their second RSV season should receive a single dose of 200 mg, administered through 2 separate 100 mg IM injections.

The formulation of nirsevimab will not change from year to year. Nirsevimab has a shelf life of about 18 months.

## Dosage and Packaging

Nirsevimab is packaged in pre-filled syringes of either:

- 50mg (0.5mL) with purple plunger rod (for infants weighing <5 kg)
- 100 mg (1mL) with light blue plunger rod (for infants weighing ≥5kg)

Infants born during the RSV season should receive nirsevimab within 1 week of birth. This can be given either in the hospital before discharge or at the doctor's office after discharge.

**In light of increased nirsevimab supply, CDC advises providers to return to original administration guidance, as described above. Facilities that are still experiencing shortages should prioritize those most at risk for severe RSV disease.**

## Clinical Resources

### AAP Recommendations

- [Nirsevimab FAQs](#)
- [Red Book Online](#)
- [Nirsevimab Administration Visual Guide](#)

### CDC

- [Immunity Types](#)
- [June 2023 ACIP Slides](#)
- [HAN on Increased Supply](#)

### Additional Resources

- Beyfortus [prescribing information](#)
- AAP [Nirsevimab Coding & Payment](#)
- AMA [Category I Immunization Codes](#)
- [HFS Provider Notice](#)

### For Patients and Families

- Yale Medicine: [Should Your Kids Get the New RSV Monoclonal Antibody?](#)
- ICAAP: Q & A for Families
  - [English](#)
  - [Spanish](#)

# Nirsevimab

## Nirsevimab, Palivizumab, or maternal Abrysvo?

Children who receive nirsevimab should not also receive palivizumab later. Palivizumab can be used for eligible children when nirsevimab is not available. Children who receive fewer than five doses of palivizumab in the 2023-2024 season can receive one dose of nirsevimab but should not receive any additional doses of palivizumab. The recommended interval between the last dose of palivizumab and a dose of nirsevimab is 30 days.

Abrysvo can be given to a pregnant person between 32-36 weeks' gestation during September - January to protect infants for up to 6 months after birth. The CDC does not recommend nirsevimab for most infants born to a mother who received maternal RSV vaccine, except for infants where less than 14 days have elapsed between vaccination and birth.

**Prior authorization is not required for Abrysvo but a signed consent form should be obtained from the patient. Find more information from [HFS](#).**

## Can nirsevimab be administered the same day as other immunizations?

Yes. Nirsevimab may be given concomitantly with childhood vaccines, but should be administered in separate syringes, at different injection sites.

## What are the common side effects?

Common side effects may include rash and irritation at the injection site.

## Can an infant who tested positive for RSV receive nirsevimab?

RSV infection does not impact an infant's eligibility for nirsevimab and there is no minimum interval recommended between infection and immunization. Given the product shortages, infants who have been recently infected with RSV should not be prioritized.

## Cost, Reimbursement, and Coding

Proprietary Name	Manufacturer	Unit of Sale NDC11	CVX Description	CVX Code	MVX Code	CPT Code
BEYFORTUS	Sanofi Pasteur Inc.	49281-0575-15	RSV, mAb, nirsevimab-alip, 0.5 mL, neonate to 24 months	306	PMC	90380
BEYFORTUS	Sanofi Pasteur Inc.	49281-0574-15	RSV, mAb, nirsevimab-alip, 1mL, neonate to 24 months	307	PMC	90381

Administration Code	Description
96380	Administration of respiratory syncytial virus, monoclonal antibody, seasonal dose by intramuscular injection, with counseling by physician or other qualified health care professional.
96381	Administration of respiratory syncytial virus, monoclonal antibody, seasonal dose by intramuscular injection.