

Immunizations in Pompe Disease

Protecting your health—every season, every stage

People with Pompe disease can be at increased risk for respiratory infections and complications. Vaccines are one of the best ways to help keep you healthy.

In general, we recommend all routine immunizations according to the recommended schedule unless your Pompe care team advises otherwise.



1. ROUTINE VACCINES

We recommend that individuals with Pompe disease receive all routine childhood and adult vaccines according to the CDC immunization schedule, unless there is a medical reason not to.

- ✓ These vaccines help protect against many serious infections.



2. SEASONAL VACCINES



Flu Vaccine

We recommend a flu shot every year for all individuals with Pompe disease.



COVID-19 Vaccine

We recommend staying up to date with current COVID-19 vaccine recommendations. COVID-19 can cause significant respiratory illness.



RSV Protection for Infants

For infants with infantile-onset Pompe disease, we strongly recommend RSV prevention during RSV season. This typically involves nirsevimab (Beyfortus®), a long-acting antibody that helps protect infants from severe RSV infection. Your Pompe care team will discuss whether your child is eligible and when it should be given.



3. RECEIVING IMMUNE TOLERANCE INDUCTION (ITI)?

Some individuals with Pompe disease receive ITI therapy to reduce antibody formation against enzyme replacement therapy.

- **Live vaccines** should **generally not be given** while you are actively receiving immunosuppressive therapy.
- Whenever possible, recommended vaccines should be completed before starting ITI.
- If vaccines cannot be given beforehand, they can usually be administered **after your immune system has recovered** following completion of ITI.
- **Inactivated (non-live) vaccines** may also need to be timed appropriately depending on the medications being used, as vaccine responses may be reduced during treatment.

Your Pompe care team will help determine the safest and most effective vaccination schedule for you.



4. QUESTIONS? ASK YOUR POMPE TEAM

Every patient is different. If you have questions about which vaccines are recommended or the best timing for vaccination, please talk with your Pompe specialist or primary care provider before delaying or receiving any immunizations.