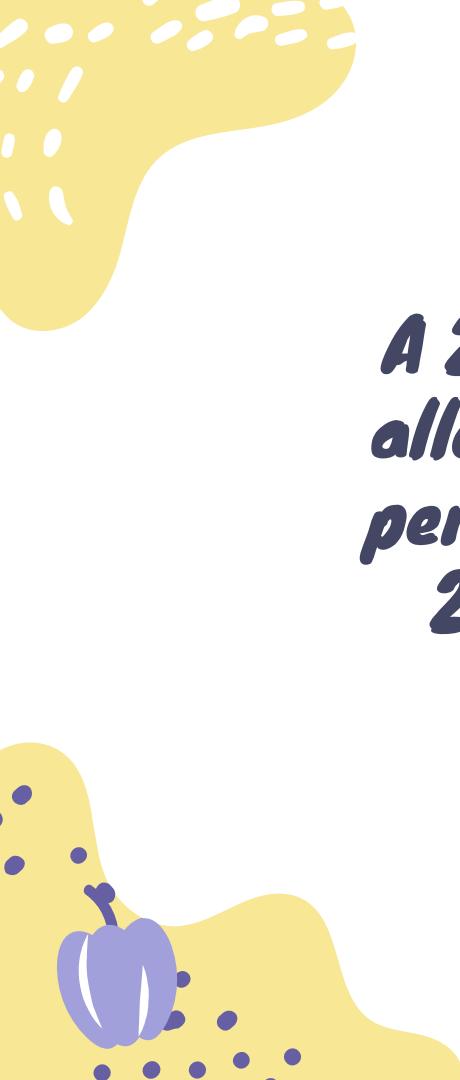




Peanut Allergies

MIPHA April Meeting
Michelle Cheng



A 2017 study reported that peanut allergy in children had increased 21 percent since 2010, and that nearly 2.5 percent of U.S. children may have an allergy to peanuts.

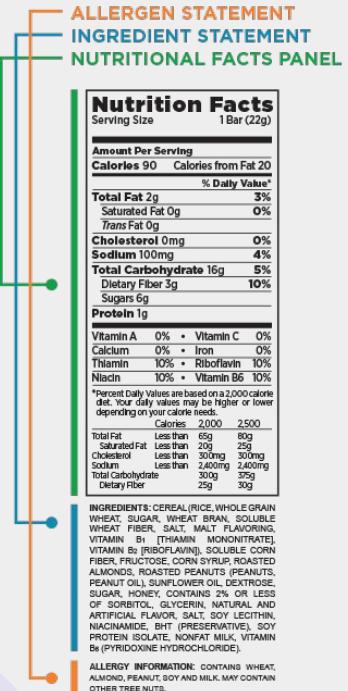
Symptoms of Peanut Allergies

- Vomiting
- Stomach cramps
- Indigestion
- Diarrhea
- Wheezing
- Shortness of breath, difficulty breathing
- Repetitive cough
- Tightness in throat, hoarse voice
- Weak pulse
- Pale or blue coloring of the skin
- Hives
- Swelling, can affect the tongue and/or lips
- Dizziness
- Confusion

Symptoms of Peanut Allergies

Many of us can probably name one person with peanut allergies, and the symptoms are well known. As listed, some common symptoms of peanut allergies include hives, swelling (usually of the mouth or tongue), and tightness in throat or anaphylaxis. These symptoms can be deadly, especially when they occur in children, which is why they are the focus demographic of treating peanut allergies and making schools peanut-free.

Preventing peanut allergy encounters



Preventing peanut allergy encounters

Preventing peanut encounters is harder than just avoiding peanut products themselves, as many products are contaminated by peanuts during manufacturing. This is why it is important to check the labels before purchasing food products for May Contain Peanuts or Other Allergens. Today, many schools are implementing peanut free environments by not serving school lunches and snacks that may contain peanuts. It is encouraged however to still stay aware of peanut products as they can be brought in accidentally by other children.



Treatments

Epinephrine

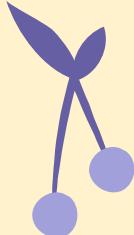
- Used to treat very serious allergic reactions
- Must be prescribed by a doctor





Treatments

As of now, the emergency treatment for someone suffering from severe symptoms of peanut allergies is epinephrine, or the epi-pen. This is commonly used in emergencies to treat very serious allergic reactions to insect stings or bites or food allergies and more. According the Mayo Clinic, just like any medicine, it must be taken careful consideration of the potential risks, especially when used on infants, the elderly, and while on other drugs and medication. The beneficial effects of using the drug must be carefully decided with your healthcare provider and can only be provided by prescription.



New Immunotherapy

Recently in January 2020, the FDA approved a new peanut allergen immunotherapy by the name of Palforzia. According to the makers of Palforzia, "Treatment with PALFORZIA gives kids with a peanut allergy controlled exposure to consistent, precise amounts of peanut protein every day, which may help them decrease their sensitivity to small amounts of peanuts over time." This is the graphic on their website that breaks down how their treatment works.

New Immunotherapy

1



Starting Small

2



Decreasing Sensitivity
Over Time

3



Maintaining Treatment Effect

Citations

https://www.palforzia.com/?&js=co&au=ps_ga&m1=10673438523&m2=105646276952&m3=452017105899&m4=q&qclid=CjOKCQiAzMGNBhCyARIsANpUkz0q0r65ji0_Cie6q0zpJdbDuB6WFRc1WNqqxbc0rR5QPeg-vv0lgtqaAkwPEALw_wcB&qcls=aw.ds

<https://www.fda.gov/news-events/press-announcements/fda-approves-first-drug-treatment-peanut-allergy-children>

<https://pubmed.ncbi.nlm.nih.gov/10200001/#:~:text=Conclusions%3A%20Peanut%20and%2For%20TN,representing%20a%20significant%20health%20concern.>

<https://acaa.org/allergies/allergic-conditions/food/peanut/>

<https://www.mayoclinic.org/drugs-supplements/epinephrine-injection-route/description/drg-20072429>

Thank you