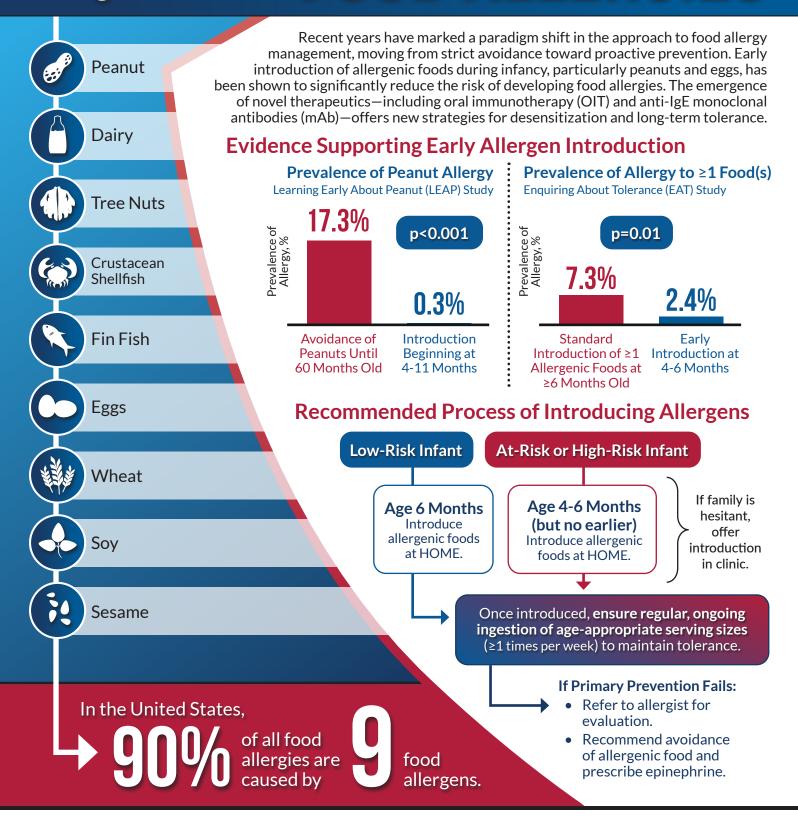
# Management of FOOD ALLERGIES IgE-Mediated





## Navigating an Allergic Reaction

#### Mild Reactions

Mild allergic reactions typically involve one body system and may present with: localized hives or skin redness, mild nasal congestion/sneezing or mild stomach discomfort without vomiting. Management includes:

- Antihistamines (cetirizine recommended over diphenhydramine) can be used to relieve symptoms of mild reactions only.
- Monitor closely for any signs of progression to anaphylaxis (see below for more information).

#### **Recognizing Anaphylaxis**

Anaphylaxis is an acute, life-threatening systemic hypersensitivity reaction. Prompt recognition and early administration of epinephrine are critical. Teach patients and caregivers to identify symptoms that may involve multiple body systems:

- Respiratory: Wheezing, shortness of breath, throat tightness.
- Dermatologic: Hives, flushing, swelling (especially of lips, tongue, face).
- Gastrointestinal (GI): Vomiting, cramping, diarrhea.
- Cardiovascular: Dizziness, fainting, hypotension.

Reinforce that symptoms may appear rapidly after exposure and can progress quickly.

#### **Counseling Tips**

• Demonstrate correct epinephrine use and confirm patient/caregiver return demonstration.

- Emphasize the need for a written emergency action
- Discuss allergen avoidance and communication with schools or caregivers.

### When to Use Epinephrine

Educate patients and caregivers to administer epinephrine immediately if:

- The patient shows signs of respiratory distress or hypotension.
- Two or more systems are involved (e.g., skin plus GI symptoms).
- A known allergen is ingested **and** early symptoms are present.

Reassure patients and caregivers that epinephrine is safe and emphasize that delaying administration increases risk of severe symptoms, prolonged reactions or death.

A nasal formulation of epinephrine is now FDA-approved for patients ages 4 and older who weigh at least 15 kg (33 lbs).

#### When to Call 911

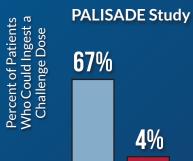
Patients and caregivers are usually advised to call 911 after administering epinephrine, especially if symptoms persist or the reaction occurs outside the home; however, if symptoms fully resolve and emergency medical care is readily accessible, calling 911 may not be necessary—this decision should be part of shared decision-making between the patient/caregiver and health care provider.

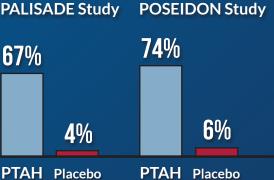




## FDA-Approved Therapeutics for Allergy Prevention

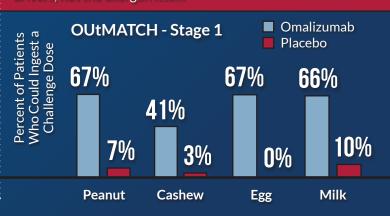
**OIT: Arachis Hypogea** (Peanut Allergen Powder, PTAH) **Concept:** Incremental allergen exposure to desensitize the immune system. Increased risk for allergic reaction.





#### mAb: Omalizumab

**Concept:** Targeted therapeutics aimed at allergic/inflammatory drivers, not the allergen itself.



Sources: Chan ES, et al. Allergy, Asthma & Clinical Immunology. 2024;20(S3):71; Du Toit G, et al. NEJM Evidence. 2023;2(11); Du Toit G, et al. NEJM. 2015;372(9):803-813; Golden DBK, et al. Annals of Allergy, Asthma & Immunology. 2024;132(2):124-176; Iglesia EGA, et al. JAMA. 2024;331(6):510; The PALISADE Group of Clinical Investigators. NEJM. 2018;379(21):1991-2001; Perkin MR, et al. NEJM. 2016;374(18):1733-1743; Pflipsen MC, Vega Colon KM. Am Fam Physician. 2020;102(6):355-362.