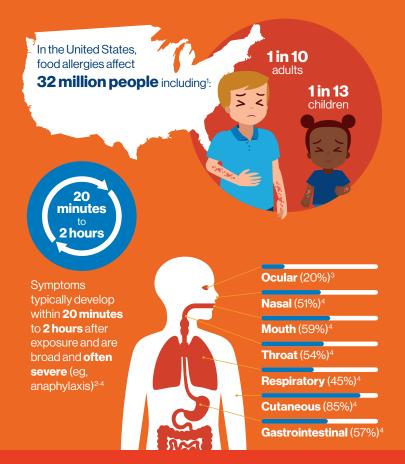
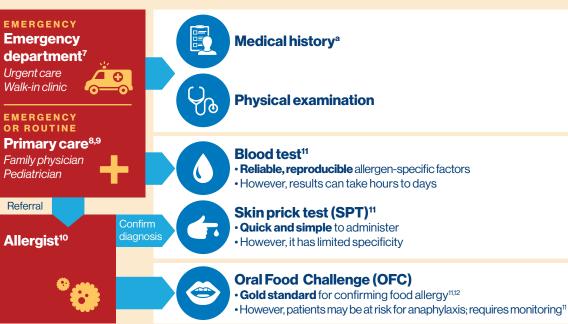
Food Allergy Disease Burden and Patient Journey





Accurate diagnosis is often difficult; symptoms can be misinterpreted as the result of a potential allergy, with some

patients diagnosed only after experiencing a severe allergic reaction⁶

DIAGNOSIS

^aThe basophil activation test is proposed as a second step in diagnosis where history and other testing could not lead to a definite diagnosis, potentially limiting the need for OFC.¹³ However, utility is currently limited to research institutions.¹⁴

PATIENT BARRIERS

PRESENTATION

Self-diagnosis

- Self-reporting food allergies
 without proper medical diagnosis¹⁵
- Food sensitivity is often confused with food allergy¹¹

Referral to allergist

- Low rates of guideline implementation and adherence among pediatricians¹⁶
- Potential misdiagnosis (over and under diagnosis)¹⁷



Diagnosis

- Accurate diagnosis is difficult⁶
- Physicians may need more education on OFC tests¹⁷
- Fear and anxiety to participate in OFC¹⁸

Treatment discussion

- Caregivers have concerns with needle injections for pediatric patients⁴
- Patients and caregivers may have preferences for particular treatment attributes, goals of treatment, and risk tradeoffs¹⁹

symptoms, with respiratory and cardiovascular involvement⁵

is a severe, potentially fatal, multisystem allergic reaction

characterized by the sudden onset and rapid progression of

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ANAPHYLAXIS

🕑 NOVARTIS

This scientific information herein is disease education information.

IMPACT

Food allergies can have a profoundly negative impact on the quality of life of patients and their caregivers^{4,20,21}

"It is...stressful to worry about when an exposure might happen."⁴



"Most people just never understand.... It is hard to hang out with my



"...I sold a lot of my belongings along with receiving food stamps... just to afford food, as you can't use food banks when you have allergies."²⁰

"We weren't given any information or told: '...if he is allergic, these are...the precautions or this is what you need to do from here."²¹

APPROACH

However, a multidisciplinary approach can enable the effective management of food allergies



OFC, Oral Food Challenge.

American Academy of Allergy Asthma & Immunology. Accessed December 14, 2021. https://www.foodallergy.org/resources/what-food-allergy; 2. Bird JA. *Immunol Allergy Clin North Am.* 2018;38(2):e1-e8. 3. Fauquert JL. Acta Ophthalmologica. 2014;92:S253. 4. Asthma and Allergy Foundation of America. Accessed December 14, 2021. https://www.foodallergy.org/resources/what-food-allergy-report.pdf; 5. Campbell RL et al. *Ann Allergy Asthma Immunol.* 2014;113(6):599-608. 6. American Academy of Allergy Asthma & Immunol. 2014;113(6):599-608. 6. American Academy of Allergy Asthma & Immunol. 2014;113(6):599-608. 6. American Academy of Allergy Asthma & Immunol. 2014;113(6):599-608. 6. American Academy of Allergy Asthma & Immunol. 2014;113(6):599-608. 6. American Academy of Allergy Asthma & Immunol. 2014;113(6):599-608. 6. American Academy of Allergy Asthma & Immunol. 2014;113(6):599-608. 6. American Academy of Allergy Asthma & Immunol. 2014;113(6):599-608. 6. American Academy of Allergy Asthma & Immunol. 2014;12(8):334-340. 10. Food Allergy Resource and Education. Accessed December 14, 2021. https://www.foodallergy.org/resources/oral-food-challenge; 11. Burks AW et al. J. *Allergy Clin Immunol.* 2012;129(4):906-920. 12. Scurlock AM, Jones SM. J. Allergy Clin Immunol. 2012;129(4):906-920. 12. Scurlock AM, Jones SM. J. Allergy Clin Immunol. 2012;129(5):2016-2027;e6. 14. Noriega DB et al. J. Asthma Allergy. Asthma Immunol. 2015;36(6):458-467. 16. Gupta RS et al. J. Allergy Clin Immunol. 2021;36(6):202-2014. 13. Santos AF et al. J. Allergy Clin Immunol. 2021;126(6):728-729. 19. Greenhawt M. Ann Allergy Asthma Immunol. 2021;26(3):262-267. 20. Food Allergy Research & Education. Accessed December 14, 2021. https://www.foodallergy.org/resources.ing.asthma Immunol. 2023;6(2):427-435. 23. Foong RX et al. Padiatrics: and Child Health. 2016;26:445-450.
 A. Australian Society of Clinical Immunology and Allergy Asthma Clin Immunol. 2013;9(1):18. 22. Wang J et al. J. Allergy Clin Immunol. 2024;2(2):427-435. 23. Foong R

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