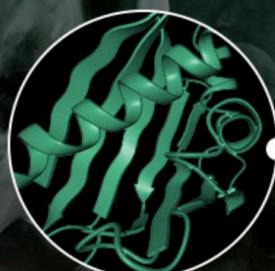


# How should nut allergy be identified and managed?



The cases of food allergies have doubled and the number of hospitalisations caused by severe allergic reactions has increased 7-fold in the last decade.<sup>1</sup>

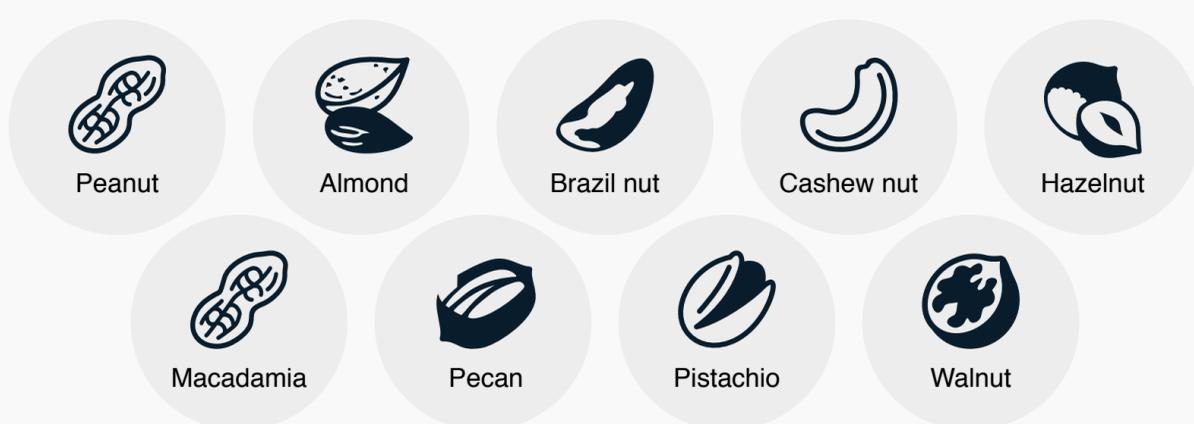
Peanuts and tree nuts together account for 70-90% of reported fatal food-induced anaphylaxis; tree nuts account for 18-40%.<sup>2</sup>

## WHAT'S THE BURDEN OF NUT ALLERGY?

- Tree nut and peanut allergies are usually lifelong<sup>2</sup>
- IgE-mediated food allergy reactions can occur within minutes after ingestion of very small amounts of peanut and/or tree nut; symptoms can include hives, angioedema or vomiting, and can be life threatening<sup>2</sup>
- 20-30% of people with a peanut allergy are also allergic to one or more tree nuts<sup>2</sup>
- 30% of people with a tree nut allergy will have at least one additional tree nut allergy<sup>2</sup>
- Children with peanut allergy have higher anxiety levels, and impaired quality of life to a greater extent, than children suffering from insulin-dependent diabetes mellitus<sup>3</sup>

## WHICH NUTS?

- Almond and walnut are the most commonly reported tree nuts in the UK<sup>2</sup>



## IS THERE A LINK BETWEEN ASTHMA AND NUT ALLERGY?

Patients with asthma, plus allergy to peanuts or tree nuts, are at an increased risk of fatal anaphylaxis.<sup>4,5</sup>

## IS NUT ALLERGY ALWAYS NUT ALLERGY?

Allergic reactions to both peanut and tree nuts can result from primary IgE-mediated mechanisms or, alternatively, via secondary cross-reactivity mechanisms to pollen.<sup>3</sup> This is called pollen-food allergy syndrome (PFAS); [for more information on PFAS click here.](#)

## HOW CAN ALLERGY BE DIAGNOSED IN PRIMARY CARE?

The NICE Food allergy guidelines recommend that:

### 1 HISTORY

If food allergy is suspected, a healthcare professional with the appropriate competencies should take an allergy-focused clinical history<sup>6</sup>

**Download a copy of our expert-developed, food allergy-focused, history form**

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### 2 TESTING

If the patient history suggests an IgE-mediated allergy conduct a blood test (allergen-specific IgE), or by trained, competent clinical staff in a clinical environment with sufficient clinical support and facilities to manage anaphylaxis, a skin prick test can be performed.<sup>6</sup>

Specific IgE (also known as ImmunoCAP and, as a previous technology, known as RAST) is no different, in terms of venipuncture, to many other blood tests. It is the gold-standard quantitative IgE test and has an excellent clinical performance (sensitivity 84-95% and specificity 85-94% depending on the allergen). It is available from your local pathology laboratory and a 1 ml sample of blood in a serum tube is sufficient to test for up to 10 allergens.

### 3 MANAGEMENT

A result of  $\geq 0.1$  kU<sub>A</sub>/L is indicative of sensitivity

Results should always be read in conjunction with the clinical history

**The NICE Guidelines (2011) and the NICE Quality standard (2016) offer clear advice on the diagnosis and management of food allergy.<sup>6,7</sup>**

Most patients, i.e. those with a clear diagnosis and mild but persistent symptoms, should be managed in primary care, but some will require referral and management to secondary care.<sup>6</sup>

The child or young person should be referred to secondary care, if they have:<sup>6</sup>

- Faltering growth in combination with one or more gastrointestinal symptoms (see NICE for list of symptoms)
- Not responded to a single-allergen elimination diet
- Had one or more acute systemic reactions
- Had one or more severe delayed reactions
- Confirmed IgE-mediated food allergy and concurrent asthma
- Significant atopic eczema where multiple or cross-reactive food allergies are suspected by the parent or carer

Or, there is:<sup>6</sup>

- Persisting parental suspicion of food allergy (especially in children or young people with difficult or perplexing symptoms) despite a lack of supporting history
- Strong clinical suspicion of IgE-mediated food allergy but allergy test results are negative
- Clinical suspicion of multiple food allergies

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