List of key signs and symptoms observed from an IgE-mediated adverse reaction with SNOMED CT codes collated from the NHS Digital SNOMED CT browser (<https://digital.nhs.uk/services/terminology-and-classifications/snomed-ct> )

| **Signs and symptoms** | **Synonym** | **SNOMED-CT Code** |
| --- | --- | --- |
| **SKIN and MUCOSAL MEMBRANE** | | |
| Pruritus | Itchy skin | 418363000 – Itching of skin (finding). |
|  | Atopic dermatitis; atopic eczema; allergic eczema; allergic dermatitis; disseminated neurodermatitis | 24079001 – Atopic dermatitis (disorder) |
| Rash | Rash | 271807003 – Eruption on the skin (disorder) |
|  | Flush | 271811009 – Face goes red |
|  | Erythema | 247441003 – Redness of skin (finding) |
| Urticarial rash | Nettle rash; urticarial rash; hives; weal (disorder); wheal; welt | 247472004 - Weal (disorder) |
| Angioedema | None | 41291007 – Disorder characterized by edema (disorder) |
| Swelling of the face | Facial edema/ Facial angioedema | 278528006- Facial swelling (finding) |
| **RESPIRATORY SYSTEM** | | |
| Rhinitis | Itchy nose; nasal congestion | 70076002 - Irritation of the nose (disorder) or 68235000 – Nasal congestion (finding)  64531003 - Nasal discharge (disorder |
| Sneezing | Sternutation | 76067001 - Sneezing (finding) |
| Wheezing | None | 72040008- Wheezing symptom (finding) |
| Stridor | None | 70407001 - Stridor (finding) |
| Bronchospasm | None | 4386001 – Bronchospasm (finding) |
| Dyspnoea | Breathlessness; breathless; shortness of breath | 267036007 – Dyspnea (finding) |
| Throat tightness | None | 7899002 - Feeling of throat tightness (finding) |
| Larynx oedema | Laryngeal oedema | 51599000 – Edema of larynx (disorder) |
| Cough | None | 49727002 - Cough (finding) |
| Hoarseness | Husky voice; croaky voice | 50219008 - Hoarse (finding) |
| Dysphonia | Difficulty speaking | 47004009 – Difficulty speaking (disorder) or 16617009 - Dysphonia (disorder) |
| Chest tightness | None | 23924001 - Tight chest (finding) |
| **DIGESTIVE SYSTEM** | | |
| Blisters of the oral mucosa | Stomatitis; Inflammatory condition of oral mucous membrane; oral mucositis; inflammation of mouth | 61170000 – Stomatitis (disorder) |
| Swelling of the lip | Cheilitis | 699376002 -Lip swelling (finding) |
| Swelling of the tongue | Glossitis | 421262002 -Tongue swelling (finding) |
| Dysphagia | Difficulty in swallowing; deglutition disorders | 40739000 – Dysphagia (disorder) |
| Nausea | Nauseous; nauseated; feel sick | 422587007 - Nausea (finding) |
| Emesis | Vomiting | 422400008 - Vomiting (disorder) |
| Diarrhoea | None | 62315008 – Diarrhoea (finding) |
| Gastrointestinal pain | Abdominal pain | 21522001 - Abdominal pain (finding) |
| Stomach cramps | Abdominal cramp; other and unspecified abdominal pain | 51197009 - Stomach cramps (finding |
| Regurgitation | Spitting up; backward flow of refluxed gastric content into the mouth or hypopharynx; laryngopharyngeal reflux; gastric contents regurgitation | 78104003 - Regurgitation of gastric content (finding) |
| Indigestion | Dyspepsia | 162031009 - Indigestion |
| Heartburn | Pyrosis; burning reflux | 16331000 - Heartburn (finding) |
| Acid reflux | Gastroesophageal reflux | 698065002 - Acid reflux (finding) |
| Constipation | None | 14760008 - Constipation (finding) |
| **CARDIOVASCULAR SYSTEM** |  |  |
| Tachycardia |  | 3424008 –Tachycardia (finding) |
| Bradycardia | None | 48867003 - Bradycardia (finding) |
| Cardiac arrest | Heart attack | 410429000 – Cardiac arrest (finding) |
| Hypotension | Low blood pressure | 45007003 - Low blood pressure (disorder) |
| Shock |  | 27942005 – Shock (finding) |
| **NERVOUS SYSTEM** |  |  |
| Dizziness (as an indicator of hypotension) | Vertigo, faintness | 404640003 - Dizziness (finding) |
| Sense of impending doom | impending doom anxiety | 712759008 - Sense of impending doom (finding) |
| Disorientation | Delirium; confusion | 62476001 - Disorientated (finding) |
| Loss of consciousness | Syncope | 419045004 - Loss of consciousness (finding) |

FoodEx2 coding of common foods that trigger an IgE-mediated reaction (https://www.efsa.europa.eu/en/data/data-standardisation)

| **Causative food** | **FoodEx2 Description** | **FoodEx2 Coding** | **Species of origin**  **(Common name, *Latin name)*** | **FoodEx2 Coding** | **Derivative products** |
| --- | --- | --- | --- | --- | --- |
| Cereals containing gluten | The group includes any type of grain from Wheat or species similar to Wheat (Triticum spp.) or sharing the same pesticide MRL, as defined by the EU pesticide regulation, such as Common wheat and Canadian hard winter wheat. | A000L | Wheat, *Triticum aestivum, T. durum and other Triticum species* | A001M | * Breads * Biscuits * Cakes * Pancakes * Pasta * Pastry * Breakfast cereals * Beer * Soups/ stews |
| Barley, *Hordeum vulgare* | A0D9Y |
| Rye, *Secale cereale* | A0D9R |
| Oats, A*vena sativa* | A000F |
| Crustaceans, | The group includes any type of Crustacean (ISSCAAP division 4 *Subphylum Crustacea*). Crustaceans are aquatic animals of various species, wild or cultivated, which have an inedible chitinous outer shell. A small number of species live in fresh water, but most species live in brackish water and/or in the sea. Crustaceans are prepared for wholesale or retail distribution at a "raw" stage, often still live, "raw" and deep-frozen, or cooked directly after catching and deep-frozen. Shrimps or prawns may also be parboiled and thereafter deep-frozen. The part consumed/analysed is by default the whole or a portion of it representing the observed heterogeneity. | A02FD | Lobster, *Homarus americanus* | A0F9Z |  |
| Crab, *Charybdis feriatus* | A02FL |
| Shrimp, black tiger shrimp, *Penaeus monodon*  Shrimp, brown shrimp, *Farfantepenaeus aztecus*  Shrimp, greasyback shrimp, *Metapenaeus ensis*  Shrimp, Indian prawn, *Fenneropenaeus indicus*  Shrimp, Neptune rose shrimp, *Parapenaeus fissurus*  Shrimp, white shrimp, *Litopenaeus setiferus* | A02FX |
| Eggs and egg products | The category covers all egg RPCs and derivatives. The part considered is by default the whole sold or prepared unit or a portion homogeneously representing the whole. | A031E | Hen’s egg, *Gallus Gallus domesticus* | A031G | * Baked goods (breads, cookies, cakes) * Pastas * Egg noodles * Sauces (mayonnaise, tartar sauce, hollandaise cause, Caesar dressing) * Breaded/ battered fried foods (chicken nuggets, sausage) |
| Duck egg | A031H |
| Geese egg | A031J |
| Quail egg | A031K |
| Fish | The group includes fish meat, i.e. the fleshy parts of fishes. Fish are gilled, aquatic vertebrate and/or cartilaginous animals of various zoological families and species, usually wild, as caught and prepared for wholesale and retail distribution | A026V | Cod, *Gadus morhua* | A02BV | * Fish flesh * Fish oil * Roe * Collagen |
| Mackerel, *Scomber japonicus, Scomber scombrus, Scomber australsicus* | A02CT |
| Salmon, *Salmo salar* | A0C75 |
| Tuna, *Thunnus tonggol* | A02DX |
| Peanuts (ground nuts, monkey nuts), *Arachis hypogea* | Oilseeds from the plant classified under the species Arachis hypogaea L., commonly known as Peanuts or Groundnuts. The part consumed/analysed is not specified. When relevant, information on the part consumed/analysed has to be reported with additional facet descriptors. In case of data collections related to legislations, the default part consumed/analysed is the one defined in the applicable legislation. | A015H |  |  | * Peanut butter * Energy bars * Baked goods |
| Soybean (soya), *Glycine max* | The group includes Soyabeans or similar oilseeds sharing the same pesticide MRL, as defined by EU pesticide regulation. | A0DBM |  |  | * Soy based milk, yoghurt, ice cream, cheese * Soy sauce * Tofu * Tempeh * Edamame |
| Milk and dairy products | The category covers milk (a whitish liquid containing proteins, fats, lactose, and various vitamins and minerals that is produced by the mammary glands of all mature female mammals) from all different mammalian species and all derivatives, including those where some of these components have been reduced or removed. | A02LR | Milk, cow, *Bos taurus* | A02LV | * Cheese * Butter * Yoghurt * Ice cream * Chocolate |
| Milk, goat | A02MB |
| Milk, water buffalo | A02MD |
| Milk, sheep (ewe) | A02MC |
| Celery (celeriac), *Apium graveolens* | Stem/stalk from the plant classified under the species Apium graveolens L. var. dulce (Mill.) Pers., commonly known as Celeries. The part consumed/analysed is not specified. When relevant, information on the part consumed/analysed has to be reported with additional facet descriptors. In case of data collections related to legislations, the default part consumed/analysed is the one defined in the applicable legislation. | A00RY | Celery stalks | A00RY |  |
| Celery leaves | A00XA |
| Celery seeds | A04KN |
| Celeriac | A00QJ |
| Mustard, *Brassica nigra, Brassica juncrea, Brassica hirta, Sinapis alba* | The group includes Mustard seeds or similar oilseeds sharing the same pesticide MRL, as defined by EU pesticide regulation. | A015Q |  |  | * Mustard powder * Salad dressing * Mayonnaise * Sauces |
| Sesame, *Sesamum indicum* | Oilseeds from the plant classified under the species Sesamum indicum L. or Sesamum orientale L., commonly known as Sesame seeds. The part consumed/analysed is not specified. When relevant, information on the part consumed/analysed has to be reported with additional facet descriptors. In case of data collections related to legislations, the default part consumed/analysed is the one defined in the applicable legislation. | A015K |  |  | * Bagels * Tahini * Hummus |
| Lupin (lupine), *Lupinus Albus* | The group includes Lupins (dry) or similar pulses sharing the same pesticide MRL, as defined by EU pesticide regulation. | A0DCA |  |  | * Bread * Pasta * Pastries * Sauces |
| Molluscs | The group includes any type of mollusc (ISSCAAP division 5). Molluscs are aquatic or land animals of various species, wild or cultivated, which have an inedible outer or inner shell. The edible aquatic Molluscs live mainly in brackish water or in the sea; several species are cultivated. The part consumed/analysed is by default the whole or a portion of it representing the observed heterogeneity. | A02GM | Squid, *Todarodes pacificus* | A02JH |  |
| Oyster, *Crassostrea gigas* | A02HG |
| Mussel, *Mytilus edulis* | A02HF |
| Scallop, *Pectinidae* | A02HN |
| Tree nuts | The group includes the edible nuts from any type of Tree nuts. The part consumed/analysed is not specified. When relevant, information on the part consumed/analysed has to be reported with additional facet descriptors. In case of data collections related to legislations, the default part consumed/analysed is the one defined in the applicable legislation. | A014C | Almond, *Prunus dulcis* | A014D | * Nut butters * Baked goods |
| Brazil nuts, *Bertholletia excelsa* | A014G |
| Cashew, *Anacardium occidentale* | A014H |
| Hazelnut, *Corylus avellana* | A014L |
| Pecan, *Carya illinoinensis* | A014N |
| Pistachio, *Pistacia vera* | A014Q |