

Appendix 1: Search Strategy**Search Strategy 1**

1. exp Food Hypersensitivity/
2. food hypersensitivit*.mp.
3. food allerg*.mp.
4. allergy, food.mp.
5. exp Fruit/
6. (apple or peach or nectarine peach or apricot or cherry or pear or plum or banana or melon or watermelon or kiwi or citrus or orange or fruit juice or olive oil or wine or honey).mp.
7. Exp Vegetables/
8. (onion or potato or carrot or tomato or celery or soybean or sunflower seeds or cucumber or zucchini or chamomile).mp.
9. Peanut Hypersensitivity/
10. Arachis/ or (Peanut* or PArachis hypogaea or Ara h).mp.
11. Soybeans/ or (Soy* bean or Glycine max or Gly m).mp.
12. Nuts/ or Nut Hypersensitivity/
13. Corylus/ or (Hazelnut* or Corylus avellana or Cor a).mp.
14. Juglans/ or (Walnut* or Juglans regia or Jug r).mp.
15. Anacardium/ or (Cashew* or Anacardium occidentale or Ana o).mp.
16. Bertholletia/ or (Brazil Nut* or Bertholletia excelsa or Ber e).mp.
17. Pistacia/ or (Pistachio* or Pistacia vera or Pis v).mp.
18. Prunus dulcis/ or (Almond* or Prunus dulcis or Pru du).mp.
19. Wheat Hypersensitivity/
20. Triticum/ or (Wheat or Triticum aestivum or Tri a).mp.
21. Egg Hypersensitivity/
22. exp Eggs/ or Hen* egg*.mp.
23. Chickens/ or (Chicken* or Gallus domesticus or Gal d).mp.
24. Milk Hypersensitivity/
25. Milk/ or exp Milk Proteins/ or Milk, Human/
26. Cattle/ or (Cow* or Cow* milk or Bos domesticus or Bos d).mp.
27. Exp Seafood/
28. exp Fishes/ or exp Fish Proteins/ or Parvalbumins/ or Fish allergen*.mp.

29. Penaeidae/ or (Shrimp*or Penaeus aztecus or Pen a or Tropomyosin).mp.
30. exp Gadiformes/ or (Cod or Gadus morhua or Gad c or Gad m).mp.
31. exp Carps/ or (Carp or Cyprinus carpio or Cyp c).mp.
32. Or/1-31
33. incidence.mp. or exp Incidence/
34. prevalence.mp. or exp Prevalence/
35. risk factors.mp. or exp Risk Factors/
36. (incidence or prevalence or epidemiol\$).ti.
37. Or/33-36
38. exp Epidemiologic Methods/
39. *cohort studies/ or cohort.ti,ab.
40. (longitudinal or prospective).ti,ab.
41. *case-control studies/
42. Control groups/ or control group*.ti,ab.
43. Matched-pair analysis/
44. (case* adj5 control*).ti,ab.
45. (case* adj3 comparison*).ti,ab.
46. (case* adj3 referen*).mp.
47. (case* adj1 base).mp.
48. (case* adj1 cohort).mp.
49. exp cross-sectional studies/ or cross-sectional.ti,ab.
50. Or/38-49
51. Adult
52. 32 AND 37 AND 50 AND 51
53. advertisements/ or animation/ or architectural drawings/ or bibliography/ or biography/
or book illustrations/ or bookplates/ or charts/ or comment/ or letter/ or editorial/ or news/ or
patient education handout/ or published erratum/ or "retraction of publication"/
54. 52 Not 53
55. limit 54 to year="1980-January 2019"

Search strategy 2**(Cochrane Library, CINAHL, ISI Web of Science)**

(Food hypersensitivity or food allergy or milk allergy or egg allergy or nut allergy or peanut allergy or arachis hypogaea allergy or tree nut allergy or hazelnut allergy or legumes allergy or wheat allergy or soy allergy or fish allergy or seafood allergy or shellfish allergy or kiwi allergy or apple allergy or peach allergy or additives hypersensitivity or additives allergy)

AND

(Epidemiological studies or observational studies or cohort studies or cohort analysis or follow up studies or longitudinal studies or case control studies or case-control studies or cross sectional studies or cross-sectional studies or retrospective studies)

AND

("risk of developing" or prevalence or incidence or risk factors or protective factors or time trends)

AND

Adult