**Additional file 1: Detailed search strategies for PubMed and WoS CC**

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| **PubMed/Medline (Final screen: 2016/02/29, 2,304 hits)** | **Web of Science Core Collection****(Final screen: 2016/02/29, 758 hits)** |
| (("Child"[MeSH Terms] OR"Adolescent"[MeSH Terms] ORminors[tiab] ORboy\*[tiab] ORgirl\*[tiab] ORkid[tiab] ORkids[tiab] ORchild\*[tiab] OR schoolchild\*[tiab] ORadolescen\*[tiab] ORteen\*[tiab] OR preteen\*[tiab] ORunderage\*[tiab] OR under age\*[tiab] ORpubescen\*[tiab] ORjuvenil\*[tiab] ORyouth\*[tiab])AND("Food and beverages"[MeSH Terms] OR "diet"[MeSH:noexp] OR"energy intake"[MeSH Terms] OR"nutrition assessment"[MeSH Terms] OR"food habits"[MeSH Terms] OR"food quality"[MeSH Terms] OR"Nutritive value"[MeSH Terms] ORfood\*[Title/Abstract] OR"diet"[Title/Abstract] ORdietary intake\*[Title/Abstract] ORenergy intake\*[Title/Abstract] ORenergetic intake\*[Title/Abstract] ORcaloric intake\*[Title/Abstract] ORnutrition intake\*[Title/Abstract] ORnutritive intake\*[Title/Abstract] ORnutritional intake\*[Title/Abstract] ORnutrition assessment\*[Title/Abstract] ORnutritional assessment\*[Title/Abstract] ORnutrition survey\*[Title/Abstract] ORnutritional survey\*[Title/Abstract] ORnutrition index\*[Title/Abstract] ORnutritional index\*[Title/Abstract] OR"nutrition indices"[Title/Abstract] OR"nutritional indices"[Title/Abstract] ORnutrition value\*[Title/Abstract] ORnutritive value\*[Title/Abstract] ORnutritional value\*[Title/Abstract] ORnutrition qualit\*[Title/Abstract] ORnutritive qualit\*[Title/Abstract] ORnutritional qualit\*[Title/Abstract] ORdietary pattern\*[Title/Abstract] ORdietary habit\*[Title/Abstract] OReating pattern\*[Title/Abstract] ORdietary fiber\*[Title/Abstract] OR dietary carbohydrate\*[Title/Abstract] OR dietary protein\*[Title/Abstract] OR dietary fat\*[Title/Abstract])AND("Triglycerides"[Mesh Terms] OR"Cholesterol"[Mesh Terms] OR"Insulin"[MeSH Terms] OR "blood glucose"[MeSH Terms] OR "insulin resistance"[MeSH Terms] OR"C-Reactive Protein"[Mesh Terms] OR“Hemoglobin A, Glycosylated"[Mesh Terms] OR"Blood Pressure"[Mesh Terms] OR "Adiponectin"[Mesh Terms] OR "Leptin"[Mesh Terms] ORbiological marker\*[Title/Abstract] ORbiomarker\*[Title/Abstract] ORTriglyceride\*[Title/Abstract] ORTriacylglycer\*[Title/Abstract] OR"Cholesterol"[Title/Abstract] OR"Insulin"[Title/Abstract] OR "blood glucose"[Title/Abstract] OR “plasma glucose“[Title/Abstract] OR"serum glucose“[Title/Abstract] OR"fasting glucose”[Title/Abstract] OR"HbA1C”[Title/Abstract] OR"HbA 1C” [Title/Abstract] OR"Hb A1C” [Title/Abstract] OR"insulin resistance"[Title/Abstract] OR“insulin sensitivity"[Title/Abstract] ORC-Reactive Protein\*[Title/Abstract] OR“CRP"[Title/Abstract] ORGlycosylated Hemoglobin\*[Title/Abstract] ORGlycated Hemoglobin\*[Title/Abstract] OR“HOMA-IR”[Title/Abstract] OR"Blood Pressure"[Title/Abstract] OR "Adiponectin"[Title/Abstract] OR "Leptin"[Title/Abstract] OR“ob protein”[Title/Abstract])AND(“epidemiologic studies"[Mesh Terms] ORepidemiologic stud\*[Title/Abstract] ORepidemiological stud\*[Title/Abstract] ORcross sectional stud\*[Title/Abstract] OR cohort stud\*[Title/Abstract] ORlongitudinal stud\*[Title/Abstract] OR longitudinal survey\*[Title/Abstract] ORprospective stud\*[Title/Abstract]))NOT("nutrition therapy"[mh] OR "pregnancy"[mh] OR "maternal-fetal relations"[mh] OR "Pregnant Women"[mh] OR "therapy"[sh] OR"Review"[Publication Type]) | TS=(((child\* ORadolescen\* OR"minors" ORboy\* ORgirl\* OR"kid" OR"kids" ORschoolchild\* ORteen\* OR preteen\* ORunderage\* OR "under age\*" ORpubescen\* ORjuvenil\* ORyouth\*)AND(food\* OR"diet" OR"dietary intake\*" OR"energ\* intake\*" OR"caloric intake\*" OR"nutriti\* intake\*" OR"nutriti\* assessment\*" OR"nutriti\* survey\*" OR"nutriti\* index\*" OR"nutriti\* indices" OR"nutriti\* value\*" OR"nutriti\* qualit\*" OR"dietary pattern\*" OR"dietary habit\*" OR"eating pattern\*" OR"dietary fiber\*" OR "dietary carbohydrate\*" OR "dietary protein\*" OR "dietary fat\*")AND ("biological marker\*" ORBiomarker\* ORTriglyceride\* ORTriacylglycer\* OR"Cholesterol" OR"Insulin" OR "blood glucose" OR "plasma glucose" OR"serum glucose" OR"fasting glucose" OR"HbA1C" OR"HbA 1C" OR"Hb A1C" OR"insulin resistance" OR"insulin sensitivity" OR"C-Reactive Protein\*" OR "CRP" OR"Glycosylated Hemoglobin\*" OR"Glycated Hemoglobin\*" OR"HOMA-IR" OR"Blood Pressure" OR "Adiponectin" OR "Leptin" OR"ob protein")AND(adipos\* ORobes\* OR"overweight" OR"body weight" OR"bodyweight" OR"body mass index" OR"bodymass index" OR"skinfold thickness\*" OR"waist circumference\*" OR"waist hip")AND("epidemiologic\* stud\*" OR"cross sectional stud\*" OR "cohort stud\*" OR"longitudinal stud\*" OR "longitudinal survey\*" OR"prospective stud\*"))NOT("nutrition therapy" OR pregnan\*)) |
|  | FILTER reviews |