**Supplemental Table 1: Nutrients for which each FFQ was developed**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Nutrient** | **FFQ-NL1.0** | **Maastricht-FFQ2.0** | **Wageningen- FFQ** | **EPICNL-FFQ** |
| Energy | X | X | X | X |
| Macronutrients |  |  |  |  |
| Protein |  |  |  |  |
| Total | X | X | X | X |
| Animal  | X | X |  | X |
| Plant  | X | X |  | X |
| Carbohydrates |  |  |  |  |
| Total  | X | X | X | X |
| Mono/Disaccharides  | X | X |  | X |
| Polysaccharides  | X |  |  | x |
| Fat |  |  |  |  |
| Total | X | X | X | X |
| Saturated  | X |  | X | X |
| Mono unsaturated  | X | X | X | X |
| Poly unsaturated  | X | X | X | X |
| ALA – C18:3 (n-3) cis  | X |  | X |  |
| EPA – C20:5 (n-3) cis  | X |  | X |  |
| DHA – C22:6 (n-3) cis  | X |  | X |  |
| Linoleic acid – C18:2 cis  | X |  | X |  |
| Trans fatty acids total  | X |  | X |  |
| Cholesterol  | X | X | X | X |
| Water  | X |  |  | X |
| Dietary Fiber | X | X | X | X |
| Alcohol  | X | X | X | X  |
| Micronutrients |  |  |  |  |
| Calcium | X | X |  | X |
| Iron |  |  |  |  |
| Total | X | X |  | X  |
| Haem | X |  |  |  |
| Non-haem | X |  |  |  |
| Magnesium | X | X |  | X  |
| Potassium | X | X |  |  |
| B-carotene | X |  | X | X |
| Folate equivalents | X | X | X |  |
| Niacin |  |  |  | X  |
| Retinol  | X |  |  | X |
| Retinol-equivalents |  |  |  |  |
| Vitamin B1  | X | X | X | X  |
| Vitamin B2  | X |  | X | X |
| Vitamin B6  | X |  | X | X |
| Vitamin B12 | X | X | X | X  |
| Vitamin C  | X | X |  | X |
| Vitamin D | X | X | X |  |
| Vitamin E total | X |  | x | X |
| Flavonoids total |  |  | X |  |
| Lactose | X |  |  |  |
| Lutein  | X |  |  |  |
| Lycopene | X |  | X |  |
| Zeaxanthin  | X |  |  |  |

**Supplemental Table 2: Specific food items captured in the FFQ-NL1.0, the Maastricht-FFQ2.0, the Wageningen-FFQ, and the EPICNL-FFQ**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| **Total food items in FFQ** | **160** | **253** | **183** | **154** |
| **NEVO food group classification** |  |  |  |  |
| 1. Bread (n) | 12 items | 10 items | 13 items | 7 items |
|  | Bread, white | Bread, white | Bread, white | Bread, white |
|  | Bread, brown | Bread, brown | Bread, brown | Bread, brown |
|  | Bread, whole meal | Bread, whole meal | Bread, whole meal | Bread, whole meal |
|  | Bread, multigrain | Bread, multigrain | Bread, multigrain; Bread, linseed |  |
|  | Bread, rye | Bread, rye | Bread, rye | Bread, rye |
|  | Bread, currant/raisin; bread, muesli | Bread, currant/raisin; bread, muesli | Bread, currant/raisin | Bread, currant/raisin; bread, muesli |
|  |  | Croissant | Croissant | Buns, croissants, rolls |
|  | Crispbread, crackers, Dutch crisp bakes  | Crispbread | Dutch crisp bakes, cracker matzes, cream crackers, puffed rice cakes  | Dutch rusk, crackers, toast |
|  |  |  | Duch crisp bakes, whole meal; crispbread |  |
|  |  |  | Crispbread, high fiber; crispbread, whole meal |  |
|  |  | Crackers |  |  |
|  |  | Dutch crisp bakes  |  |  |
|  | Roll, white |  | Roll, white; bun, currant/raisin |  |
|  | Roll, brown |  | Roll, brown, bun with muesli |  |
|  | Roll, whole meal |  |  |  |
|  | Roll, multigrain |  | Roll, multigrain |  |
|  | Bun, currant/raisin ; bun, muesli |  |  |  |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
|  |  |  |  |  |
| 2. Savoury bread spreads (n) | 1 item | 2 items | 3 items | 1 item |
|  | Peanut butter | Peanut butter | Peanut butter, sesame paste tahin, paste other nuts or seeds | Peanut butter |
|  |  | Spread of nuts and seeds |  |  |
|  |  |  | Sandwich spread, savory spreads with fish on bread,  |  |
|  |  |  | Sandwich spread, savory spreads without fish on bread |  |
| 3. Cheese (n) | 5 items | 9 items | 7 items | 7 items |
|  | Cheese, 20+ and 30+  | Cheese, 20+ and 30+  | Cheese, 20+ and 30+ | Cheese, 20+; cheese spread, 20+ |
|  | Cheese, 40+ and 48+ | Cheese, 40+ | Cheese, 40+ | Cheese spread, 40+/48+, cheese, 40+ |
|  |  | Cheese, 48+ | Cheese, 48+ | Cream cheese, cheese 48+ |
|  |  | Cheese spread, 20+; cheese spread, 30+; dairy spread light |  |  |
|  |  | Cheese spread, 40+ |  |  |
|  |  | Cheese spread, 48+ |  |  |
|  | Foreign cheese or cream cheese | Common foreign cheese (e.g. brie, camembert, Rambol) | Cheeses, group 1: creamy brie, blue cheese, soft cream cheese like Boursin, Monchou, Paturain, Bressot, Philadelphia) | French cheese |
|  |  | Light foreign cheese (brie light, Paturain light) | Cheeses, group 2: (brie, camembert, rambol, soft goat cheese) |  |
|  |  | Spreadable cream cheese or herbal cheese (Boursin, Paturain) |  |  |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 3. Cheese | Cheese eaten with dinner |  | Cheese eaten with dinner | Cheese eaten with dinner |
|  | Cheese eaten as snack |  | Cheese eaten as snack | Cheese eaten as snack |
|  |  |  |  | Cheese high in linleic acid |
| 4. Milk and Milk products (n) | 11 items | 41 items | 20 items | 19 items |
|  |  | Porridge |  | Custard, porridge |
|  |  | Yakult, Actimel |  |  |
|  | Cream, whipping | Cream, whipping | Cream, cooking, crème fraîhe, cream sour, cream whipping |  |
|  |  | Crème fraîche, cream cooking |  |  |
|  |  | Crème fraîche half fat, cream cooking light |  |  |
|  | Custard, pudding and bavarois | Mousse chocolate, pudding chipolata or bavarois | Mousse chocolate, pudding chipolata, fromage frais full fat, fromage frais full fat w fruit |  |
|  |  | Pudding |  | Pudding |
|  |  | Custard, full fat | Other, full fat desserts (custard full fat, custard with whipped cream, pudding) |  |
|  |  | Custard, half fat |  |  |
|  |  | Custard, low fat |  |  |
|  |  | Custard, no fat with sweeteners |  |  |
|  | Yoghurt and Fromage frais | Yoghurt, full fat | Yoghurt, full fat (yoghurt, full fat, full fat with fruit, cream)  | Yoghurt, full fat or half fat |
|  |  | Yoghurt, full fat with fruit |  |  |
|  |  | Yoghurt, half fat | Half fat desserts (yoghurt half fat, yoghurt half fat w fruit, fromage frais half fat, fromage frais half fat w fruit, yoghurt vanilla half fat) |  |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 4. Milk and Milk products |  | Yoghurt, half fat with fruit of yoghurt vanilla |  |  |
|  |  | Yoghurt, low fat | Low fat desserts (yoghurt, yoghurt with fruit, custard, fromage frais, fromage frais with fruit)  | Yoghurt, low fat |
|  |  | Yoghurt, low fat with fruit and sugar |  |  |
|  |  | Yoghurt, low fat with fruit and sweeteners |  |  |
|  |  | Fromage frais, full fat |  |  |
|  |  | Fromage frais, full fat with fruit |  |  |
|  |  | Fromage frais, half fat |  |  |
|  |  | Fromage frais, half fat with fruit |  |  |
|  |  | Fromage frais, low fat |  |  |
|  |  | Fromage frais, low fat with fruit |  |  |
|  |  | Fromage frais, low fat with fruit and sweeteners |  |  |
|  |  |  |  | Curd |
|  | Ice cream, dairy cream based | Ice cream, dairy cream based | Ice cream, dairy cream based | Ice cream |
|  |  | Ice lolly/sorbet | Ice lolly/sorbet |  |
|  |  | Cream whipping, with added sugar, topping dessert with sugar whipped  | Cream whipping | Cream whipping |
|  | Coffee creamer or coffee creamer powder | Coffee creamer, full fat or 20% fat | Coffee creamer, full fat or 20% fat | Coffee creamer, full fat |
|  |  | Coffee creamer, semi-skimmed or low fat | Coffee creamer, semi-skimmed | Coffee creamer, semi skimmed |
|  |  | Coffee creamer, with PUFA | Coffee creamer, with PUFA | Coffee creamer, with PUFA |
|  |  | Coffee creamer, powder | Coffee creamer, powder | Coffee creamer, powder |
|  |  |  |  | Milk in coffee |
|  | Milk, whole | Milk, whole | Milk, whole | Milk, whole |
|  |  |  |  | Milk, raw |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 4. Milk and Milk products | Milk, semi-skimmed | Milk, semi-skimmed | Milk, semi-skimmed | Milk, semi-skimmed |
|  | Milk, skimmed | Milk, skimmed | Milk, skimmed | Milk, skimmed |
|  | Buttermilk | Buttermilk | Buttermilk | Buttermilk |
|  | Milk, chocolate-flavoured | Milk, chocolate-flavoured | Milk, chocolate-flavoured full fat | Drinking chocolate |
|  |  |  | Milk chocolate-flavoured half fat, yoghurt drink, half fat, dairy drink fruit |  |
|  |  |  | Milk chocolate-flavoured low fat, yoghurt drink low fat |  |
|  | Yoghurt drink and dairy drink  | Yoghurt drink and dairy drink  |  | Yoghurt drink  |
|  |  | Yoghurt drink and dairy drink enriched with flavours and sugar |  |  |
|  |  | Yoghurt drink and dairy drink with sweeteners |  |  |
| 5. Eggs (n) | 1 item | 1 item  | 1 item  | 1 item  |
|  | Eggs | Eggs | Eggs | Eggs |
| 6. Cereals and cereal products (n) | 3 items | 9 items | 9 items  | 5 items |
|  |  | Muesli, muesli crunchy | Muesli, cruesli |  |
|  |  | Breakfast cereal All-Bran | Cereals high fibre  |  |
|  |  | Breakfast cereal Cornflakes | Cornflakes, smacks, energymix, frosties, honey loops, puffed rice) |  |
|  | Breakfast cereal products | Other breakfast cereal products |  | Breakfast cereal products |
|  |  | Breakfast cereal for porridge (wheat, oat, buckwheat groats, ...) | Breakfast cereal for porridge (wheat, oat, …) |  |
|  |  |  | Breakfast drink |  |
|  | Rice  | Rice white | Rice white | Rice white |
|  |  | Rice brown | Rice brown | Rice brown |
|  | Pasta  | Pasta white | Pasta white | Pasta |
|  |  | Pasta whole meal | Pasta whole meal |  |
|  |  |  |  | Cereals as meat replacer |
| 7. Soups (n) | 2 items | 2 items | 2 items | 1 items |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 7. Soups |  |  |  | Soup |
|  | Soup with legumes | Soup with legumes | Soup with legumes |  |
|  | Soup without legumes | Soup without legumes | Soups without legumes |  |
| 8. Potatoes (n) | 3 items | 3 items | 3 items | 4 items |
|  | Potatoes boiled or potatoes mashed | Potatoes boiled or potatoes mashed | Potatoes boiled or potatoes mashed | Potatoes boiled or potatoes mashed |
|  | French fries | French fries  |  | French fries prepared for dinner |
|  |  |  | Chips prepared as snack | Chips prepared as snack |
|  | Potatoes sliced, potato croquettes and rosti | Potatoes sliced, potato croquettes and rosti | Potatoes sliced, fried for dinner | Potatoes sliced, fried |
| 9. Vegetables (n) | 17 items | 28 items | 12 items | 20 items |
|  | Endive boiled | Endive boiled |  | Endive boiled |
|  |  | Beetroot boiled |  | Beetroot boiled |
|  | Cauliflower or broccoli boiled | Cauliflower boiled | Cauliflower boiled  | Cabbages all types, boiled |
|  |  | Broccoli boiled | Broccoli and/or other cabbages boiled |  |
|  |  | Peas fresh boiled |  | Peas boiled |
|  |  | Peas and carrots boiled |  |  |
|  | Carrots boiled | Carrots boiled | Carrots boiled  | Carrots boiled |
|  |  | Leek boiled |  | Leek or onion boiled |
|  | Cabbage red boiled | Cabbage red boiled |  |  |
|  | Beans French, beans runner and beans broad boiled | Beans French, beans runner boiled | Beans French, beans runner, peas and/or beans broad boiled  | Beans French, beans runner boiled |
|  | Spinach boiled | Spinach boiled | Spinach boiled  | Spinach boiled |
|  | Brussel sprouts boiled | Brussel sprouts boiled |  |  |
|  |  | Beans broad boiled |  |  |
|  |  | Chicory boiled |  |  |
|  | Other cabbage (white, oxheart, green, Savoy, Chinese, sauerkraut) boiled | Cabbage (white, oxheart, green, Savoy, Chinese, sauerkraut) boiled |  | Cabbages all types, boiled |
|  |  | Sweet pepper boiled |  |  |
|  |  | Tomato boiled |  |  |
|  | Onions  | Onions boiled | Onions, leek boiled  |  |
|  |  | Mushrooms boiled |  |  |
|  |  | Vegetable mix |  |  |
|  | Other boiled vegetables | Other boiled vegetables | Other boiled vegetables  |  |
|  | Endive raw | Endive raw |  |  |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 9. Vegetables | Cucumber raw | Cucumber raw |  | Cucumber raw |
|  | Lettuce raw | Lettuce raw | Lettuce raw  | Lettuce raw |
|  |  | Chicory raw |  |  |
|  | Tomatoes raw | Tomatoes raw | Tomatoes raw  | Tomatoes raw |
|  | Carrots raw | Carrots raw | Carrots raw  | Carrots raw |
|  | Other raw vegetables | Other raw vegetables | Other raw vegetables |  |
|  | Cabbage |  | Cabbage raw  | Cabbage, raw |
|  |  |  |  | Sweet pepper, raw |
|  |  |  |  | Onion roasted |
|  |  |  |  | Leek roasted |
|  |  |  |  | Sweet pepper roasted |
|  |  |  |  | Tomato roasted |
|  |  |  |  | Mushrooms roasted |
| 10. Legumes (n) | 1 item | 1 item | 1 item | 1 item |
|  | Legumes | Legumes | Legumes | Legumes |
| 11. Meat, meat products and poultry (n) | 23 items | 16 items | 17 items  | 19 items |
|  | Sausage luncheon meat, sausage cooked, sausage with smoked bacon-bits, minced meat loaf fried | Sausage luncheon meat, sausage cooked, sausage with smoked bacon-bits, minced meat loaf fried | Sausage luncheon meat, corned beef, minced meat loaf fried, sausage cooked, sausage Frankfurter, sausage with smoked bacon-bits, ham smoked raw, brawn, pork pickled in vinegar | Saveloy, luncheon meat, bacon |
|  | Liver pate sausage, pate, liver pate, Berliner liver sausage | Salami sausage saveloy, Salami | Liver pate, Berliner liver sausage, liver pate, pate, liver pate sausage, liver sausage | Liver pate sausage, pate, liver pate |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 11. Meat, meat products and poultry | Ham lean (boiled, grilled, raw) | Ham lean | Ham (lean, Gammon boiled deboned), pork side cured and smoked, beef steak tartare spiced filet americ, sandwich meat chicken, beef smoke-dried, beef roast prepared, ham shoulder, pork fricandeau fried | Ham, boiled |
|  |  |  | Liver products as snack |  |
|  |  |  | Toasts with cheese or pate (snacks) |  |
|  | Liver boiled | Liver products | Liver boiled |  |
|  | Bacon rashers streaky, bacon smoked Katenspek, Bacon | Bacon rashers streaky, bacon smoked Katenspek, Bacon | Bacon, bacon rashers streaky, salami, salami sausage saveloy, Luncheon meat |  |
|  | Beef smoke-dried, pork fricandeau fried, beef roast prepared, pork side cured and smoked, sandwich meat chicken, chicken rolled prepared | Beef smoke-dried, pork fricandeau fried, beef roast prepared, pork side cured and smoked, sandwich meat chicken, chicken rolled prepared |  | Cured side of pork, smoke-dried beef, tartar steak, roast beef |
|  | Other meat products | Other meat products |  |  |
|  | Sausage as snack |  | Other meat products and sausage as snack | Sausage as snack |
|  | Minced beef and veal | Minced meat | Minced meat | Minced beef  |
|  | Minced pork |  |  | Minced pork |
|  | Minced beef/pork |  |  | Minced beef/pork |
|  | Other minced meat |  |  |  |
|  | Beef | Beef, veal | Beef rump steak, beef roast, beef frying steak, beef rolled, beef steak tartare | Rolled beef, rib |
|  |  |  | Veal olive, beef streaked/marbled, beef prime rib, beef rib, beef stewing steak, beef tongue | Rib of beef, streaked beef |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 11. Meat, meat products and poultry |  |  |  | Lean beef, minced steak, prime rib, steak |
|  | Pork chop (shoulder, rib, loin) | Pork | Pork fillet, pork rib chop, pork gammon steak, pork shoarma seasoning, ham, pork shoulder | Pork chop (shoulder, rib, loin) |
|  | Pork tenderloin, pork schnitzel, pork fricandeau |  | Pork chop, pork stewing meat, pork schnitzel, pork fricandeau, pork tenderloin | Pork tenderloin, pork schnitzel, pork fricandeau, lean chop, pork steak |
|  | Sausage pork, Frying sausage, Kromesky meat filled |  | Sausage smoked, Kromesky meat filled, bacon rasher, sausage pork, Frying sausage, pork sparerib, salami sausage saveloy | Sausage pork, streaked chop, rasher of bacon, pieces of bacon |
|  | Bacon rasher, Pieces or bits of bacon  |  |  |  |
|  | Other pork meat |  |  |  |
|  |  | Lamb, mutton |  |  |
|  | Chicken and poultry | Chicken, other poultry | Chicken, turkey | Chicken without skin |
|  |  |  |  | Chicken with skin |
|  | Sausage smoked, sausage frankfurter | Sausage smoked, sausage frankfurter |  | Sausage smoked |
|  | Hamburger | Hamburger |  |  |
|  | Liver | Organ meats | Organ meats | Organ meats |
|  | Other types of meat  | Other types of meat  | Other types of meat: Lamb meat, goat meat, mutton, horse meat, venison, hare, rabbit, pheasant, partridge | Other types of meat  |
| 12. Fish (n) | 8 items | 8 items | 7 items | 3 items |
|  | Fish lean like cod, plaice, tilapia, pangasius, trout | Cod, plaice, haddock, pollack, sole | Flounder, brill, cod, pollack, plaice, tilapia, sole, tuna, fish fingers, whiting | Cod, plaice, haddock, fish fingers |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 12. Fish | White fish fillet in batter deep-fried | White fish fillet in batter deep-fried | White fish fillet in batter deep-fried, plaice fried, squid rings battered deep-fried, mussels fried,  |  |
|  | Herring salted | Herring or sardines | Herring |  |
|  |  | Trout, tuna (fresh, frozen or canned) | Trout, gurnard, ocean perch, haddock, salmon trout, wolf fish, swordfish, shrimps, crab, lobster |  |
|  | Fish fat like Salmon, mackerel, herring, eel , herring (fresh, frozen) | Salmon, mackerel, herring, eel (fresh, frozen or canned) | Salmon, mackerel, eel, pilchards, kipper, halibut, rock gunnel | Fish fat like Salmon, mackerel, herring, eel , herring, canned fish |
|  | Smoked, steamed of canned fish (sardines, herring) | Smoked or steamed fish (salmon, mackerel, kipper) | Toasts with fish or fish salad |  |
|  | Fish fingers | Fish fingers |  |  |
|  | Mussels | Crustaceans and shellfish | Mussels |  |
|  | Shrimps |  |  | Molluscs, shrimps |
| 13. Soy- and vegetarian products (n) | 6 items | 7 items | 6 items | 2 items |
|  | Vegetarian meat substitutes  | Vegetarian meat substitutes | Vegetarian meat substitutes | Vegetarian meat substitutes  |
|  | Vegetarian product Quorn | Vegetarian product Quorn |  |  |
|  | Vegetarian product Valess | Vegetarian product Valess |  |  |
|  | Tahoe soya curd, tempeh fermented soya beans | Tahoe soya curd, tempeh fermented soya beans | Tahoe soya curd, tempeh fermented, soya beans | Tahoe soya curd, tempeh fermented soya beans |
|  | Other vegetarian products  | Vegetarian products other than Quorn, Valess, Tahoe/Tempeh | Other vegetarian products |  |
|  | Soymilk and Drink soya | Soymilk | Soymilk, drink soya natural |  |
|  |  | Drink soya | Drink soya several flavours |  |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 13. Soy- and vegetarian products |  |  | Dessert soya, soya based yoghurt, soya based ice cream |  |
| 14. Herbs and spices (n) | 0 items | 3 items | 0 items | 1 item |
|  |  | Herbs fresh |  |  |
|  |  | Herbs dried |  |  |
|  |  | Herb mix, herb paste, seasoning flavoured, garlic, ginger root |  | Garlic |
| 15. Mixed dishes (n) | 2 items | 7 items | 3 items | 2 items |
|  |  | Chinese/Indian meal (prepared) |  |  |
|  |  | Italian mixing dish (prepared) |  |  |
|  |  | Prepared “Dutch” meal  |  |  |
|  |  | Other prepared meals or mixing dishes |  |  |
|  | Pizza | Pizza | Pizza | Pizza |
|  | Pancake | Pancake | Pancake |  |
|  |  | Salad | Russian salad as snack | Russian salad |
| 16. Fats, oils and savoury sauces (n) | 22 items | 23 items | 27 items | 16 items |
|  | Margarine in tub | Margarine in tub | Margarine in tub | Margarine for bread |
|  | Margarine in package | Margarine in package | Margarine in package | Margarine for frying |
|  | Margarine diet | Margarine diet | Margarine diet | Margarine diet |
|  | Margarine with plant sterols/stanols | Margarine with plant sterols/stanols | Margarine with plant sterols/stanols |  |
|  | Low fat margarine | Low fat margarine | Low fat margarine | Low fat margarine |
|  | Low fat margarine diet/light | Low fat margarine diet/light | Low fat margarine diet | Low fat margarine diet/light |
|  | Diet margarine with plant sterols/stanols | Diet margarine with plant sterols/stanols | Diet margarine with plant sterols/stanols |  |
|  | Low fat margarine product (< 25% fat) |  |  |  |
|  | Butter | Butter | Butter | Butter |
|  | Butter half fat | Butter half fat | Butter half fat |  |
|  | Oil olive | Oil olive | Oil olive | Oil |
|  | Oil sunflower seed, oil soy, vegetable oil | Oil sunflower seed, oil soy, vegetable oil | Oil rich in MUFA |  |
|  |  |  | Oil rich in PUFA |  |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
|  |  |  | Margarine liquid |  |
|  | Cooking fat solid | Cooking fat solid | Cooking fat solid | Cooking fat |
|  | Cooking fat liquid | Cooking fat liquid | Cooking fat liquid |  |
|  | Frying fat solid | Frying fat solid | Frying fat solid |  |
|  | Frying fat liquid | Frying fat liquid | Frying fat liquid  |  |
|  |  |  | Lard |  |
|  | Sauce tomato | Sauce tomato | Sauce tomato | Sauce tomato |
|  | Peanut sauce | Peanut sauce | Peanut sauce  | Peanut sauce |
|  | Other hot sauces | Other hot sauces | Other hot sauces | Other hot sauces |
|  | Salad dressing, salad cream | Salad dressing with oil, salad cream | Salad dressing with oil and vinegar | Salad dressing |
|  |  |  |  | Low fat mayonnaise for vegetables |
|  |  |  |  | Oil and vinegar |
|  |  | Salad dressing without oil | Salad dressing without oil |  |
|  |  |  | Mayonnaise as dressing |  |
|  |  | Ketchup tomato or other red sauces | Ketchup tomato or other red sauces |  |
|  | Mayonnaise | Mayonnaise | Mayonnaise | Mayonnaise |
|  | Mayonnaise low fat, sauce for chips or other non-red sauces | Mayonnaise low fat, sauce for chips or other non-red sauces | Mayonnaise low fat, sauce for chips, mayonnaise yoghurt based, salad cream, sauce cocktail, sauce garlic etc.  | Sauce for chips |
| 17. Fruits (n) | 8 items | 20 items | 7 items | 10 items |
|  |  | Apple sauce or other fruit sauce |  | Apple sauce  |
|  |  | Canned/tinned fruit |  |  |
|  | Fruit citrus | Orange | Orange, mandarins, grapefruit and kiwi fruit | Citrus fruit |
|  |  | Mandarins |  |  |
|  |  | Grapefruit |  |  |
|  |  | Other fruit fresh including citrus |  |  |
|  | Apple | Apple | Apple and/or apple sauce | Apple, pear |
|  | Pear | Pear | Pear |  |
|  | Banana | Banana | Banana | Banana |
|  |  | Peach or Nectarine |  | Peaches |
|  | Grapes, berries, cherries | Grapes | Grapes, berries, cherries and/or melon | Grapes |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 17. Fruits | Kiwi fruit | Kiwi fruit |  | Kiwi fruit |
|  | Strawberries | Strawberries | Strawberries | Strawberries |
|  |  | Berries, raspberries, blackberries |  |  |
|  |  | Cherries |  | Cherries |
|  |  |  |  | Melon |
|  | Other fruit fresh excluding citrus | Other fruit fresh excluding citrus | Other fruit |  |
|  |  | Raisins dried |  |  |
|  |  | Pruned dried |  |  |
|  |  | Fruit mixed dried |  |  |
|  |  | Other fruit dried |  |  |
| 18. Sugar, sweets and sweet sauces (n) | 9 items | 11 items | 8 items | 6 items |
|  | Chocolate confetti/flakes | Chocolate confetti/flakes | Chocolate confetti/flakes spread chocolate, spread chocolate hazelnut |  |
|  | Spread chocolate, spread chocolate hazelnut | Spread chocolate, spread chocolate hazelnut |  |  |
|  | Other sweet bread spread | Other sweet bread spread | Other sweet bread spread | Sweet sandwich spread |
|  | Syrup apple |  |  |  |
|  |  | Sauce chocolate |  |  |
|  |  | Sauce fruit |  |  |
|  | Sugar | Sugar | Sugar, honey, syrup, sauce chocolate/fruit for pudding, sugar in coffee, sugar in tea | Sugar |
|  |  |  |  | Sugar and other sweets on yoghurt |
|  | Chocolates filled/Belgium chocolate | Chocolates filled/Belgium chocolate | Chocolates filled/Belgium chocolate, chocolate plain | Chocolates filled and non-filled |
|  |  |  | Chocolates filled/Belgium chocolate, chocolate milk |  |
|  |  |  | Chocolates filled/Belgium chocolate, chocolate white |  |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| Sugar, sweets and sweet sauces | Chocolate (milk, plain, white, with nuts) | Chocolate (milk, plain, white, with nuts) |  |  |
|  | Candy bars  | Candy bars  | Candy bars  | Candy bars, chocolate bars |
|  |  | Liquorice |  | Liquorice |
|  | Sweets (liquorice, boiled sweets, toffees, peppermint, wine gums, chewing gum) | Other sweets (toffees, boiled sweets, wine gums, chewing gum) | Sweets (liquorice, boiled sweets, peppermint etc.) |  |
| 19. Nuts seeds and snacks (n) | 5 items | 9 items | 13 items | 5 items |
|  |  | Salad with fish | Snackbarproduct at dinner |  |
|  |  | Salad without fish | Mini-snack bar product as snack (croquette meat, mini pastry puff cheese filled) |  |
|  | Deep-fried savoury snacks (croquette meat ragout, sausage Dutch Frikandel, croquette meat, Chinese noodle ball, pastry puff cheese filled, spring roll or chicken stick) | Deep-fried savoury snacks (croquette meat ragout, sausage Dutch Frikandel, croquette meat, Chinese noodle ball, pastry puff cheese filled, spring roll or chicken stick) | Minced beef ball, hamburger, shoarma sandwich, snack sausage roll puff pastry, snack sausage roll w bread dough, cheese sandwich,  | Meat snacks (croquette, sausage Dutch Frikandel, hamburger, sausage roll, Chinese noodle ball) |
|  | Non deep-fried savoury snacks (satay chicken/pork, snack sausage roll, croquette meat ragout prepared in oven, croquette meat prepared in oven) | Non deep-fried savoury snacks (satay chicken/pork, snack sausage roll, croquette meat ragout prepared in oven, croquette meat prepared in oven) | Snackbarproduct like croquette meat ragout, sausage dutch Fricandel, pastry puff cheese filled, Chinese noodle ball |  |
|  |  |  | Small spring roll as snack (Thai and Vietnamese) | Spring roll |
|  |  |  | Big spring roll as snack(Chinese) |  |
|  |  |  | Satay as snack |  |
|  | Crisps potato, biscuit salted | Crisps potato | Crisps potato or cocktail snacks | Salty snacks, like crisps potato, cocktail snacks  |
|  |  | Biscuit salted, biscuits & snacks cheesy |  |  |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 19. Nuts seeds and snacks |  | Other cocktail snacks (cocktail snacks Wokkels, Japanese rice crackers) |  |  |
|  | Peanuts, nuts as snack | Peanuts, nuts and seeds  | Peanuts, coated peanuts as snack  | Peanuts, nuts as snack  |
|  |  |  | Walnuts as snack |  |
|  |  |  | Mixed nuts and raisins as snack |  |
|  |  |  | Other nuts as snack |  |
|  |  | Olives |  |  |
|  | Nuts and seeds eaten with warm meal |  | Nuts and seeds eaten with warm meal | Nuts eaten at warm meal |
| 20. Pastry and biscuits (n) | 4 items | 13 items | 5 items | 5 items |
|  |  | Gateau with whipped cream |  | Gateau with whipped cream |
|  |  | Gateau with butter-cream filling |  |  |
|  |  | Cheesecake made with fromage frais/cream cheese |  |  |
|  |  | Dutch apple pie  |  | Apple pie, fruit pie |
|  |  | Flan with fruit filling |  |  |
|  |  | Other types of pastry, gateau or flan |  |  |
|  | Pastry, pie, gateau and flan |  | Pastry pie, gateau and flan |  |
|  |  | Cake |  |  |
|  | Cake or large cookies(almond paste filled tarts, Dutch treacle waffle  | Large cookies (almond paste filled tarts, waffle syrup) | Cake of large cookies (waffle syrup, almond paste filled tarts, Dutch butter cake, sponge cake, doughnut Dutch style) | Cake or large cookies |
|  | Biscuits  | Biscuits  | Biscuits, small cookies (biscuit, biscuit spiced, biscuit shortbread, biscuit, candy  | Biscuits, small cookies |
|  |  | Biscuits whole meal |  |  |
|  |  | Cake Dutch spiced  | Cake Dutch spiced  | Cake Dutch spiced  |
|  |  | Muesli bar, cereal bar, fruit bar, energy bar |  |  |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 20. Pastry and biscuits | Biscuits fortified, biscuits multigrain, biscuits fruit, biscuits milk, muesli bar, cereal bar, fruit bar, energy bar | Biscuits fortified, biscuits multigrain, biscuits fruit, biscuits milk | Biscuits fortified (e.g. Evergreen, Switch, Sultana, Fruitkick) |  |
| 21. Alcoholic and non-alcoholic beverages (n) | 17 items | 28 items | 17 items | 20 items |
|  |  | Breakfast drink, fruit-based | Breakfast drink |  |
|  |  | Breakfast drink, dairy-based |  |  |
|  | Tea | Tea | Black tea | Tea |
|  |  |  | Green tea | Tea herbal, infusion |
|  |  |  | Herbal tea |  |
|  | Coffee | Coffee | Coffee | Coffee |
|  |  |  |  | Decaffeinated coffee |
|  | Tomato and vegetable juice | Tomato and vegetable juice | Tomato and vegetable juice | Vegetable juice |
|  |  | Other juices vegetable |  |  |
|  | Juice orange (fresh and bottled) | Juice orange | Juice orange | Juice orange, grapefruit juice |
|  | Juice apple (fresh and bottled) | Juice apple |  | Juice apple |
|  | Other juices fruit (fresh and bottled) | Other juices fruit | Other juices fruit | Other juices fruit |
|  | Fruit juice drink (light) | Fruit juice drink |  |  |
|  | Fruit juice drink |  |  |  |
|  | Soft drinks, juice drink, sports drink and energy drink | Soft drinks | Soft drinks, sports drink | Soft drinks |
|  | Soft drinks light/with sugar and sweeteners | Soft drinks with sugar and sweeteners (light) |  |  |
|  |  | Soft drinks light  | Soft drinks light | Soft drinks light  |
|  |  |  |  | Coke |
|  |  | Sports drink |  |  |
|  |  | Energy drink |  |  |
|  | Fruit drink concentrate  | Fruit drink concentrate with sugar |  | Fruit drink concentrate  |
|  |  | Fruit drink concentrate with sugar and sweeteners |  |  |
| **continued** | **FFQ-NL1.0** | **Maastricht-****FFQ2.0** | **Wageningen-FFQ** | **EPICNL-FFQ** |
| 21. Alcoholic and non-alcoholic beverages |  | Fruit drink concentrate with sweeteners |  |  |
|  | Water | Water |  | Tap water |
|  |  | Mineral water | Mineral water | Mineral water |
|  | Beer  | Beer, >7 vol% alcohol |  | Beer |
|  |  | Beer, pilsner | Beer, pilsner and beer >7% alcohol |  |
|  |  | Beer, low alcohol 0.1 – 1.2 vol% | Beer, low alcohol 0.1 – 1.2 vol%; beer, alcohol free < 0.1 vol% | Beer, low or no alcohol  |
|  |  | Beer, alcohol free < 0.1 vol% |  |  |
|  | Port wine, sherry, Vermouth, Madeira | Port wine, sherry, Vermouth, Madeira | Other Wine, sherry, Vermouth | Port wine, sherry, Vermouth, eggnog |
|  | Red wine | Red wine | Red wine, red port wine | Red wine , rose |
|  | White wine, rose | White wine, rose |  | Wine white,  |
|  |  |  |  Egg liqueur (“advocaat”) |  |
|  | Spirits | Spirits | Spirits | Spirits |
| 22. Clinical formulas (n) | 0 items | 1 item | 0 items | 0 items |
|  |  | Meal replacements |  |  |
| 23. Miscellaneous foods (n) | 0 items | 1 item | 2 items | 0 items |
|  |  | Yeast extract Marmite | Yeast extract Marmite |  |
|  |  |  | Linseeds |  |