

Appendix C (KNHANESIV_2010 and 2011)

If your variable definitions differ from those suggested in Tables 2 and 3, please fill in the table below with as much information as possible for each variable to help us understand how your variable is defined/coded.

Variable name	Definition	Unit
obs_id	Unique alphanumeric identifier for each observation	Combination an alphabet (A to P) with 9 digits (e.g. A000000000)
year	Year in which data collection was conducted	A four-digit number between 1998 and 2014
age	This is a continuous variable that captures the age in years of the individual	Age in years.
sex	This is a dichotomous indicator variable that describes the gender of the individual.	1=male 2=female
residence	This is a dichotomous indicator variable that describes whether the individual lives in urban (Seoul, Busan, Daegu, Incheon, Gwangju, Daejeon, and Ulsan) or rural area (Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, and Jeju) in Korea.	1=urban 2=rural -9=missing
education	This is an indicator variable that describes the individual's level of education.	1=primary: 6 or fewer years of formal education 2=secondary: 7-12 years of formal education 3=tertiary: 13 or more years of formal education -9 = missing
preg_lact	This is a dichotomous variable that indicates whether an individual is pregnant or nursing mother.	0= not pregnant or nursing 1 = pregnant 2 = nursing -9= missing
samp_wt	The sampling weight, calculated as the inverse of the probability of a participant being included in the sample in the survey sampling design, and then adjusted by population size.	A continuous positive non-zero numeric variable.
psu	The primary sampling unit (PSU) of the survey, i.e. the sampling unit selected in the primary stage of a multi-stage sample.	An indicator variable with integer values where each integer represents a level of the PSU.
svy_strata	The mutually exclusive strata used in multi-stage stratified sampling.	An indicator variable with integer values where each integer represents a level of stratification.
Fruit_intake	Total intake of Fruit, including tangerine, orange, persimmon, pear, water melon, oriental melon, strawberry, peach, apple, and pineapple. This definition excludes fruit juices and salted or pickled fruits.	Individual intake in g/day

FruitJuice_intake	Total intake of fruit juice, including non-100% fruit juice and sugar-sweetened fruit juice. This definition excludes vegetable juice.	Individual intake in ml/day.
NutsSeeds_intake	This data was not available.	
NonStarchyVeg_intake	Total vegetable intake, including fresh, frozen, cooked (e.g. boiled, fried, boiled down, seasoned), or dried vegetables, vegetable juice and salted vegetables. This definition includes Korean cabbage, radish, Kimchi radish, sprout, spinach, cucumber, pepper, carrot, lettuce, pumpkin, leek, sesame leaves, garlic, mallow, dropwort, and broccoli. This definition excludes starchy vegetables (e.g., potatoes, taro, cassava, manioc, yucca, corn, peas), and legumes (beans and lentils).	Individual intake in g/day.
Potato_intake	Total intake of white potatoes, including cooked (e.g. boiled, baked, mashed, fried), frozen, canned, dehydrated potatoes. This definition includes french fries, chips, and crisps. This definition excludes sweet potatoes and yams.	Individual intake in g/day.
OtherStarchyVeg_intake	Total intake of non-potato starchy vegetables, including boiled or baked starchy vegetables. This definition includes sweet potatoes, excluding white potatoes.	Individual intake in g/day.
BeansLegumes_intake	Total intake of beans, including fresh, frozen, cooked, canned, or dried beans. This definition includes bean paste, bean curd, and beans. This definition excludes peanuts, peanut butter, soy milk and soy protein.	Individual intake in g/day
WholeGrain_intake	Total intake of whole grains. This definition includes barley and unpolished rice. This definition excludes corn products including corn flour, corn meal, and popcorn.	Individual intake in g/day.
RefinedGrain_intake	Total intake of refined grains, defined as grains which have been milled to remove the bran and germ. This definition includes polished rice, instant noodles (e.g. Ramen), noodles (e.g. Udon, Jajangmyeon, Kalguksu, Sujebi), bread, and rice cakes. This definition excludes corn products including corn flour and corn meal.	Individual intake in g/day.
UnprocessedRedMeat_intake	Total intake of meat, defined as beef, and pork that has not been chemically preserved. This definition includes cooked (e.g. boiled, roasted, stir-fried, fried) meat (including soup, stew and cutlet). This definition excludes poultry, fish, and eggs.	Individual intake in g/day.
TotalProcessedMeat_intake	Total intake of processed meat, including chemically preserved or cured meat. This definition includes ham and sausage. This definition excludes fish and eggs.	Individual intake in g/day.
Seafood_intake	Total intake of fish and shellfish, including fresh, dried, or cooked (e.g. boiled, baked, boiled down, stir-fried). This definition includes mackerel, tuna, hairtail, yellow corvine, pollack, anchovy, squid, clam, and eel.	Individual intake in g/day.
Egg_intake	Total intake of eggs produced by poultry/birds, including chicken, and quail. This definition excludes fish eggs.	Individual intake in g/day.
Milk_intake	This definition includes whole-fat, reduced-fat, skim milk, and chemically processed milk.	Individual intake in ml/day
Dairy_intake	Total intake of yogurt and fermented milk, including reduced-fat and full-fat yogurt.	Individual intake in g/day.

	Total intake of cheese derived from the milk of livestock (e.g. cows), including hard cheese (e.g., cheddar, mozzarella, Swiss), soft cheese (e.g. ricotta, cottage cheese, paneer), and processed cheese. This definition includes liquid yogurt, semi-solid yogurt, ice cream, and cheese.	
Cheese_intake	This data was not available.	
SSB_intake	This data was not available.	
Coffee_intake	This data was not available.	
Tea_intake	This data was not available.	
AddedSugar_intake	This data was not available.	
Energy_intake	Total energy intake	Individual intake in kcal/day.
Carbohydrate_intake	Total carbohydrate intake	Individual intake in %of total kcal per day(energy contribution)
TotalProtein_intake	Total protein intake from all sources.	Individual intake in g/day.
AnimalProtein_intake	This data was not available.	
DairyProtein_intake	This data was not available.	
PlantProtein_intake	This data was not available.	
SaturatedFat_intake	This data was not available.	
Omega6FattyAcid_intake	This data was not available.	
Omega3FattyAcid_intake	This data was not available.	
MUFA_intake	This data was not available.	
TFA_intake	This data was not available.	
Cholesterol_intake	This data was not available.	
Fat_intake	Total fat intake from all sources.	Individual intake in % of total kcal per day (energy contribution).
DietaryFiber_intake	Total dietary fiber intake from all sources (fruits, vegetables, grains, legumes, pulses), defined as the carbohydrate polymers which are not hydrolyzed by the endogenous enzymes in the small intestine of human beings.	Individual intake in g/day.
Sodium_intake	Total intake of sodium from all sources.	Individual intake in mg/day.
Potassium_intake	Total intake of potassium from all sources. This definition does not provide information on use of dietary supplements.	Individual intake in g/day.
Calcium_intake	Total intake of calcium from all sources. This definition does not provide information on use of dietary supplements.	Individual intake in mg/day.
Iron_intake	Total intake of heme and non-heme iron from all sources. This definition does not provide information on use of dietary supplements.	Individual intake in mg/day.
Zinc_intake	This data was not available.	
Magnesium_intake	This data was not available.	
Selenium_intake	This data was not available.	
Iodine_intake	This data was not available.	
VitaminA_intake	Total intake of vitamin A and provitamin A (including retinol and carotene) from all sources. This definition does not provide information on use of dietary supplements.	Individual intake in µgRE/day.
VitaminD_intake	This data was not available.	

VitaminE_intake	This data was not available.	
VitaminC_intake	Total intake of vitamin C from all sources. This definition does not provide information on use of dietary supplements.	Individual intake in mg/day.
VitaminB1_intake	Total intake of thiamin from all sources. This definition does not provide information on use of dietary supplements.	Individual intake in mg/day.
VitaminB2_intake	Total intake of vitamin B2 from all sources. This definition does not provide information on use of dietary supplements.	Individual intake in mg/day.
VitaminB3_intake	Total intake of niacin from all sources. This definition does not provide information on use of dietary supplements.	Individual intake in mg/day.
VitaminB6_intake	This data was not available.	
VitaminB9_intake	This data was not available.	
VitaminB12_intake	This data was not available.	
GlycemicIndex	This data was not available.	
GlycemicLoad	This data was not available.	