

**Estimated Fish Consumption Rates for the U.S.  
Population and Selected Subpopulations (NHANES  
2003-2010)**

**Appendix B**

**FNDDS Processing and Fish Containing Food Codes**

## Processing of the FNDDS Recipe Files

The following discussion assumes that raw fish or prepared fish is used in the FNDDS recipes; the ingredients specified by the recipe are assembled and subsequently processed or cooked to prepare the final “as-prepared” dish for consumption.

The FNDDS database is an access database with several tables (for 2003-2004) or a set of SAS data files (for 2005-2010). The processing of the recipes used two of those files (or tables), FCDescYYYY with the food codes and description of the foods and SRLinkYYYY with the list and description of the ingredients in each food code and the weight of that ingredient (YYYY stands for the years covered by the FNDDS data, such as SRLink0304).

The FCDescYYYY has two variables:

- Food\_Code, an 8-digit code for each food code; and
- Main\_Food\_Description, a text description of the food code.

The SRLinkYYYY has four variables that are important for this work:

- Food\_Code
- SR\_Code, a code for each ingredient, either a 4- or 5-digit code for an ingredient or an 8-digit Food\_Code referring to another recipe in SRLinkYYYY.
- SR\_Description, a text description of each ingredient; and
- Weight, the weight of each ingredient in the recipe, in grams.

These files were merged by Food\_Code to create one file. In the process, Weight was replaced by Weight divided by the sum of Weight across all ingredients in the food code, named WPerWSum. Since a food code could be present in multiple FNDDS files (for different years, YYYY), a variable Years was added to indicate the source file for the data. The FNDDS files were then merged across years.

As part of the subsequent processing, some ingredient descriptions were identified that included names of fish species but did not contain any actual fish. Ingredients with the following descriptions were flagged as having no fish in subsequent calculations (by setting WPerWSum = 0): ‘CLAM,MXD SP,CND,LIQ’; ‘FISH BROTH’; ‘MOLLUSKS, CLAM, MIXED SPECIES,

CANNED, LIQUID'; 'SAUCE, FISH, READY-TO-SERVE'; 'SAUCE, OYSTER, READY-TO-SERVE'; 'SAUCE,FISH,RTS'; 'SAUCE,OYSTER,RTS'; 'SOUP, STOCK, FISH, HOME-PREPARED'; and 'SOUP,STOCK,FISH,HOME-PREPARED'. Ingredient descriptions that contained the phrases 'CRACKERS,SALTINES' (no space after the comma) and 'CRACKERS, SALTINES' (one space after the comma) were also excluded because they referred to "oyster crackers" that do not contain oysters.

The FNDDS files contain several recipes for clam chowder; most specify prepared or canned clam chowder. One clam chowder recipe specifies the ingredients for clam chowder. In the one recipe for creating clam chowder, clams make up 7.6 percent of the recipe by weight. As a result, the fraction of the prepared clam chowder ingredients (WPerWSum) was multiplied by 0.076 to estimate the fraction of the recipe that was clams. A similar adjustment was assumed to apply to prepared cream of shrimp soup. For ingredients with descriptions (SR\_Description) that contained 'SOUP, CREAM OF SHRIMP', 'SOUP,CRM OF SHRIMP', or 'CLAM CHOWDER', WPerWSum was set equal to  $WPerWSum * 0.076$ .

### **Breaded Fish Products**

The Following phrases were used to identify breaded fish products: 'STK', 'STKS', 'PORTIONS', 'STICK', and 'STICKS'. This list was constructed based on previous work with the files and review of various recipes. These words in either the Main\_Food\_Description or the SR\_Description were assumed to indicate breaded fish products (BFP).

### **Cooking/Processing Methods**

Table B-1 contains phrases used to define the cooking or processing method. With the exception of a few special cases, the processing method for the fish before assembling the recipe is defined from the ingredient description (SR\_Description), and the processing method for the assembled recipe to create the final dish for consumption is defined from the Main\_Food\_Description. The data processing created two variables containing the names of food processing methods found in the Main\_Food\_Description and the SR\_Description, named DescMethod and ItemMethod, respectively. If the phrase in the Cook Methods column in Table B-1 was found in the Main\_Food\_Description, the corresponding phrase in the Cook Methods1 column was added to

DescMethod. If the phrase in Cook Methods in Table B-1 was found in the SR\_Description, the phrase in Cook Methods1 was added to ItemMethod.

**Table B-1. Phrases used to define the cooking methods**

<b>Cook Methods</b>	<b>Cook Methods1</b>
STMD	STEAMED
STEAMED	STEAMED
SOUP	SOUP
SMOKED	SMOKED
SALTED	SALTED
RESTRUCTURED	RESTRUCTURED
RAW	RAW
PICKLED	PICKLED
KIPPERED	KIPPERED
FRIED	FRIED
DRIED	DRIED
CND	CANNED
CKD,MOIST HEAT	COOKED_MOIST_HEAT
CKD,DRY HEAT	COOKED_DRY_HEAT
CANNED	CANNED
BAKED	BAKED
COOKED, DRY HEAT	COOKED_DRY_HEAT
COOKED, MOIST HEAT	COOKED_MOIST_HEAT
BROILED	BROILED
POACHED	POACHED
SALAD	SALAD
SANDWICH	SANDWICH
FROZEN MEAL	FROZEN_MEAL
PIZZA	PIZZA
COOKED	COOKED
CKD	COOKED
TARTARE	TARTARE
SAUCE	SAUCE
CAKE	CAKE
LOAF	LOAF
POT PIE	POT PIE
CHOWDER	CHOWDER
OMLET	OMLET
SCRAMBLED	SCRAMBLED
TACO	TACO
TOSTADA	TOSTADA

Table B-1. Phrases used to define the cooking methods (continued)

Cook Methods	Cook Methods1
PAD THAI	PAD_THAI
MACARONI	MACARONI
NS AS TO COOKING METHOD	NSMethod
FRITTER	FRITTER
PAELLA	PAELLA
STEW	STEW
GUMBO	GUMBO
KABOB	KABOB
CHOWDER	CHOWDER
FRITO	FRITO
DRAINED	DRAINED
DRND	DRAINED
FROZEN MEAL	FROZEN_MEAL
FRZ	FROZEN
BOILED	BOILED
SURIMI	SURIMI
FROZEN	FROZEN
ROE, STURGEON	ROE_STURGEON
STEWED	STEWED
SHRIMP DIP	SHRIMP_DIP
SOUFFLE	SOUFFLE
CHOW MEIN	CHOW MEIN
TEMPURA	TEMPURA
SUSHI	SUSHI
BOUILLABAISSSE	BOUILLABAISSSE
GEFILTE FISH	GEFILTE_FISH
CAVIAR	CAVIAR
CRAB CAKE	CRAB_CAKE
SALMON, SMOKED	SMOKED_SALMON
ROE, HERRING	ROE_HERRING
CEVICHE	CEVICHE
ANTIPASTO	ANTIPASTO
NO SAUCE	NO_SAUCE

The identifiers of processing methods in the recipe ingredient descriptions (ItemMethod) were used to define the processing of the fish prior to assembling the recipe (Process1) as follows:

- If ItemMethod was 'COOKED\_DRY\_HEAT COOKED', 'BAKED', 'BAKED BROILED', 'COOKED\_DRY\_HEAT', or 'PIZZA' then Process1 = 'COOKED\_DRY\_HEAT'.
- If ItemMethod was 'STEAMED', 'STEAMED POACHED', 'COOKED\_MOIST\_HEAT', 'STEAMED COOKED', 'CAKE', 'COOKED\_MOIST\_HEAT COOKED', 'SOUP', 'STEAMED COOKED', 'CAKE CRAB\_CAKE', 'STEAMED BOILED', or 'SAUCE' then Process1 = 'COOKED\_MOIST\_HEAT'. 'CAKE' is included in this list because, when associated with fish, 'CAKE' is only used in a context similar to crab cake, for which the recipe in the FNDDS specifies 'COOKED\_MOIST\_HEAT'.
- If ItemMethod was 'CANNED', 'SOUP CANNED', 'CANNED SAUCE DRAINED', 'CANNED DRAINED', 'DRAINED', 'SOUP CANNED CHOWDER', or 'SOUP CHOWDER' then Process1 = 'CANNED'.
- If ItemMethod is 'SURIMI' or 'RESTRUCTURED' then Process1 = 'RESTRUCTURED'.
- If ItemMethod is 'RAW', 'FROZEN', 'CAVIAR', or 'SALAD' then Process1 = 'NONE'.
- If ItemMethod is 'SALTED DRIED' or 'DRIED' then Process1 = 'DRIED'.
- If ItemMethod is 'FRIED' then Process1 = 'FRIED'.
- If ItemMethod is 'KIPPERED' then Process1 = 'KIPPERED'.
- If ItemMethod is 'PICKLED' then Process1 = 'PICKLED'.
- If ItemMethod is 'SALTED' then Process1 = 'SALTED'.
- If ItemMethod is 'SMOKED' then Process1 = 'SMOKED'.
- If Food\_Code = 26139170 then Process1 = 'DRIED'; this is a special case describing dried sardines.

The identifiers of processing methods in the food code descriptions (Main\_Food\_Description) were used to define the processing of the assembled recipe before consumption (Process2). In many cases, the processing method was not specified in the food code description but was inferred from the description (for example pizza is baked before being served even though the pizza recipe does not specify how the assembled pizza is to be cooked). The following describes how the processing

method for the assembled recipe was defined based on words found in the Main\_Food\_Description (in DescMethod).

- if DescMethod is 'BAKED', 'BAKED BROILED', 'COOKED\_DRY\_HEAT', 'LOAF', 'PAD THAI', 'PIZZA', 'POT PIE', 'TACO TOSTADA', or 'TACO' then Process2 = 'COOKED\_DRY\_HEAT'.
- If DescMethod contains 'FROZEN\_MEAL' then Process2 = 'COOKED\_DRY\_HEAT'.
- If DescMethod is 'STEAMED', 'STEAMED POACHED', 'COOKED\_MOIST\_HEAT', 'GEFILTE\_FISH', 'GUMBO', 'MACARONI', 'PAELLA', 'SAUCE STEW', 'SCRAMBLED', 'STEAMED BOILED', 'SOUFFLE', 'SOUP', 'STEW', 'STEWED', 'BOUILLABAISSE', 'CAKE CRAB\_CAKE', 'CANNED CHOWDER', 'CHOWDER', 'CAKE', or 'SAUCE' then Process2 = 'COOKED\_MOIST\_HEAT'. Note, although a souffle is baked, from the point of view of the fish, the cooking environment is moist.
- If DescMethod is 'CANNED' or 'SOUP CANNED' then Process2 = 'CANNED'.
- If DescMethod is 'FRITTER', 'FRIED', 'CAKE TEMPURA', 'CHOW MEIN', 'FRIED FRITO', 'FRIED SAUCE FRITO', 'TEMPURA', or 'FRITO' then Process2 = 'FRIED'.
- If DescMethod is 'PICKLED SAUCE', 'RAW TARTARE', 'ROE\_STURGEON', 'SALAD', 'SALAD MACARONI', 'SANDWICH', 'SANDWICH CAKE CRAB\_CAKE', 'SHRIMP\_DIP', 'SUSHI', 'ANTIPASTO', 'CEVICHE', 'RAW', 'NONE', 'DRIED SAUCE', 'ROE\_HERRING', or 'SALAD SANDWICH' then Process2 = 'NONE'.
- If DescMethod is 'SALTED' then Process2 = 'SALTED'.
- If DescMethod is 'SALTED DRIED' or 'DRIED' then Process2 = 'DRIED'.
- If DescMethod is 'SMOKED KIPPERED' or 'SMOKED' then Process2 = 'SMOKED'.
- If DescMethod is 'PICKLED' then Process2 = 'PICKLED'.
- If DescMethod is 'RESTRUCTURED' then Process2 = 'RESTRUCTURED'.
- If DescMethod is 'COOKED NSMethod' or 'COOKED' or is otherwise not defined then Process2 = 'NSMethod'.

Several special cases were handled as follows:

- If DescMethod = 'KABOB' and ItemMethod = 'COOKED\_DRY\_HEAT COOKED' then Process1 = 'COOKED\_DRY\_HEAT'.
- If DescMethod = 'KABOB' and ItemMethod = 'RAW' then Process1 = 'NONE'.
- If DescMethod = 'RESTRUCTURED' and ItemMethod = 'RAW' then Process1 = 'RESTRUCTURED' and Process2 = 'NONE'.
- If DescMethod = 'RESTRUCTURED' and ItemMethod = 'SURIMI' then Process1 = 'NONE' and Process2 = 'RESTRUCTURED'.
- If DescMethod = 'SMOKED SMOKED\_SALMON' and ItemMethod = 'SMOKED' then Process1 = 'NONE' and Process2 = 'SMOKED\_SALMON'.

## Fish Species

Table B-2 contains a list of phrases (FishName) used to identify food codes of ingredients that contained or might contain fish. The data processing created two variables containing the names of fish species found in the Main\_Food\_Description and the SR\_Description, named DescFish and ItemFish, respectively. If the phrase in Fish Name in Table B-3 was found in the Main\_Food\_Description the corresponding phrase in the Fish Name1 column was added to DescFish. If a fish name was found and the Main\_Food\_Description included the phrase 'NS AS TO TYPE', then the phrase 'NSType' was also added to DescFish. If the phrase in Fish Name in Table B-2 was found in the SR\_Description, the phrase in Fish Name1 was added to ItemFish.

**Table B-2. Phrases used to identify food codes and ingredients using fish**

Fish Name	Fish Name1
FISH	FISH
ABALONE	ABALONE
ANCHOVY	ANCHOVY
BARRACUDA	BARRACUDA
BASS	BASS
BFP	BFP
BLUEFIN	BLUEFIN
CARP	CARP
CATFISH	CATFISH
CAVIAR	CAVIAR
CHINOOK	CHINOOK



Table B-2. Phrases used to identify food codes and ingredients using fish (continued)

Fish Name	Fish Name1
CHUM	CHUM
CISCO	CISCO
CLAM	CLAM
CLAMS	CLAM
COD	COD
CODFISH	CODFISH
COHO	COHO
CONCH	CONCH
CRAB	CRAB
CRABMEAT	CRAB
CRABS	CRAB
CRAYFISH	CRAYFISH
CROAKER	CROAKER
EEL	EEL
FLATFISH	FLATFISH
FLOUNDER	FLOUNDER
HADDOCK	HADDOCK
HALIBUT	HALIBUT
HERRING	HERRING
JELLYFISH	JELLYFISH
LOBSTER	LOBSTER
MACKEREL	MACKEREL
MULLET	MULLET
MUSSEL	MUSSEL
MUSSELS	MUSSEL
OCTOPUS	OCTOPUS
OYSTER	OYSTER
OYSTERS	OYSTER
OCEAN PERCH	ROCKFISH
PERCH	PERCH
PIKE	PIKE
POLLOCK	POLLOCK
POMPANO	POMPANO
PORGY	SCUP
PRAWN	PRAWN
RAY	RAY
ROCKFISH	ROCKFISH
ROE	ROE
SALMON	SALMON
SARDINE	SARDINE

Table B-2. Phrases used to identify food codes and ingredients using fish (continued)

Fish Name	Fish Name1
SARDINES	SARDINE
SCALLOP	SCALLOP
SCALLOPS	SCALLOP
SCUP	SCUP
SEA BASS	SEA_BASS
SHAD	SHAD
SHARK	SHARK
SHELLFISH	SHELLFISH
SHLFISH	SHELLFISH
SHRIMP	SHRIMP
SMELT	SMELT
SNAIL	SNAIL
SNAILS	SNAIL
SNAPPER	SNAPPER
SOCKEYE	SOCKEYE
SOLE	SOLE
SQUID	SQUID
STURGEON	STURGEON
SURIMI	SURIMI
SWORDFISH	SWORDFISH
TILAPIA	TILAPIA
TROUT	TROUT
TUNA	TUNA
WALLEYE	WALLEYE
WHELK	SNAIL
WHITEFISH	WHITEFISH
WHITING	WHITING
YELLOWFIN	YELLOWFIN
SEAFOOD	SEAFOOD

The identifiers of fish in the recipe ingredient descriptions (ItemFish) were recoded as follows:

- If the food code description or ingredient description contains “MEATLESS” assume the ingredient does not contain fish.
- If ItemFish contains ‘FISH’ plus other words, ‘FISH’ was removed from ItemFish.
- ‘BASS SEA\_BASS’ was recoded to ‘SEA BASS’.
- ‘FLATFISH FLOUNDER SOLE’, ‘FLOUNDER’, and ‘SOLE’ were recoded to ‘FLATFISH’.

- ‘CHINOOK SALMON’, ‘CHUM SALMON’, ‘COHO SALMON’, ‘SALMON SOCKEYE’ were recoded to ‘SALMON’.
- ‘PRAWN SHRIMP’ was recoded to ‘SHRIMP’.
- ‘BLUEFIN TUNA’ and ‘TUNA YELLOWFIN’ were recoded to ‘TUNA’.
- ‘WHELK’ was recoded to ‘SNAIL’.
- ‘CRAB SEAFOOD’ was recoded to ‘CRAB’.
- ‘CRAB SURIMI’ was recoded to ‘POLLOCK’ because the one recipe for SURIMI had POLLOCK as the only fish ingredient.
- ‘ROCKFISH PERCH’ was recoded to ‘ROCKFISH’.

The identifiers of fish in the food code descriptions (DescFish) were recoded as follows:

- ‘SEAFOOD NSType’ was recoded to ‘SEAFOOD’.
- ‘BASS SEA\_BASS’ was recoded to ‘SEA BASS’.
- ‘CRAB FLOUNDER’ was recoded to ‘CRAB FLATFISH’.
- ‘FLOUNDER’ ‘SOLE’ was recoded to ‘FLATFISH’.

The following rules were then used to define the species of fish represented by the ingredient description (SR\_Description):

- If some words were found describing breaded fish products then Species = ‘BFP’.
- If DescFish = ‘FISH NSType’ and no words describing breaded fish products were found, Species = ‘FISH NS’ (fish not otherwise specified).
- If DescMethod is ‘RESTRUCTURED’ and ItemFish is ‘CRAB’ or ‘SEAFOOD’ then set species to ‘POLLOCK’ (used for SURIMI).
- If ItemMethod is ‘RESTRUCTURED’ and ItemFish is ‘SEAFOOD’ then Species = ‘POLLOCK’.
- If DescFish is not defined and ItemFish is ‘FISH’, or DescFish is ‘FISH’ and ItemFish is undefined, or both DescFish and ItemFish are ‘FISH’, then Species = ‘FISH NS’.
- If DescFish and ItemFish are the same word then Species = DescFish.
- If DescFish is undefined or is ‘SEAFOOD’ and ItemFish is a single word then Species = ItemFish.

- If DescFish contains 'SHELLFISH' and ItemFish is 'CLAM', 'CRAB', 'OYSTER', 'SCALLOP', or 'SHRIMP' then Species = ItemFish.
- If DescFish contains 'FISH' and ItemFish is a single word that is not 'CLAM', 'CRAB', 'OYSTER', 'SCALLOP', or 'SHRIMP' then Species = ItemFish.
- If ItemFish is a single word which is also within DescFish then Species = ItemFish.
- If DescFish is 'ROE STURGEON' and ItemFish is 'CAVIAR' then Species = 'CAVIAR'.

Review of the fish related words and the species identified a few special cases that were handled as follows. When there was some conflict between the SR\_Description and the Main\_Food\_Description, the fish identified using the SR\_Description was used.

- If DescFish is 'RAY' and ItemFish is 'SHARK' then Species = 'SHARK'.
- If DescFish is 'HADDOCK' and ItemFish is 'COD' then Species = 'COD'.
- If DescFish is 'FISH' and ItemFish is 'SHRIMP' or 'CRAB' then Species = ItemFish.
- If DescFish is 'CRAB' and ItemFish is 'POLLOCK' then Species = 'POLLOCK' (the SR\_Description mentioned imitation).

## Handling Nested Recipes

The SR\_Code in the SRLinkYYYY file may be an 8- digit code representing another food code in the FNDDS database. This is referred to here as a nested recipe. Therefore, to construct a complete recipe, the record from the nested recipe must be replaced with the ingredient referencing the nested recipe and the weight fractions must be adjusted to reflect the amount of the nested recipe used in the main recipe. A SAS macro was written to perform this task. Because some nested recipes also had nested recipes, the macro was run twice until there were no more nested recipes.

The nesting of recipes complicates the specification of the cooking methods and the identification of recipes for breaded fish products. When the nested recipe is inserted into the main recipe, there are three text strings that may describe an ingredient and its processing in the nested recipe: the description associated with the 8-digit SR\_Code identifying the nested recipe, the Main\_Food\_Description for the nested recipe, and the SR\_Description for each ingredient in the nested recipe. For ingredients containing fish, the ingredient is classified as a breaded fish product if any of these sources have words identifying breaded fish products. The process for cooking the fish

for the nested recipe was based primarily on the process defined in the nested recipe. When there were conflicts among processing methods mentioned in different descriptions, the recipes were reviewed to decide how to classify the ingredient. When the processing methods involved both moist heat and dry heat, Process 1 was set to ‘COOKED\_DRY\_HEAT’, the processing method with the higher moisture loss. Table B-3 shows the assumed moisture loss associated with each processing method.

**Table B-3. Moisture loss for each processing method**

<b>Cooking Process</b>	<b>Percent Moisture Loss</b>
DRIED	57
KIPPERED	46
SMOKED	36
SALTED	33
CANNED	25
COOKED_DRY_HEAT	25
RESTRUCTURED	25
COOKED_MOIST_HEAT	21
SMOKED_SALMON	17
PICKLED	16
FRIED	12
RAW	0
<b>NSMethod</b>	<b>21.96</b>

The processing of the assembled recipe will affect the moisture content of both the fish ingredients and the non-fish components. Since we do not have data on the moisture loss for non-fish ingredients, we assume the fractional moisture loss is the same for all ingredients. Thus, if the weight of fish is 25 percent of the weight of the assembled recipe, we assume the weight of the fish in the final dish is 25 percent of the weight of all ingredients in the final dish. From the recipe we can determine:

$$WPerWSum = \frac{\textit{Weight of fish in the recipe}}{\textit{Weight of the assembled recipe}}$$

We assume the same ratio applies to the prepared food, i.e.,

$$WPerWSum = \frac{\textit{Weight of fish in the recipe}}{\textit{Weight of the assembled recipe}}$$

$$= \frac{\textit{Weight of fish in the prepared serving}}{\textit{Weight of the prepared serving}}.$$

The NHANES 24-hour recall provides the respondents estimates of the weight of the prepared serving. Thus, the “as-prepared” weight of fish consumed in any one food item is:

$$\begin{aligned} \textit{Weight of fish in the prepared serving} \\ = \textit{WPerWSum} * \textit{Weight of the prepared serving}. \end{aligned}$$

The weight of raw fish consumed will be greater, due to any moisture loss. For example, 1.33 grams of fish, when cooked using dry heat, results in roughly 1 gram of cooked fish. The grams of raw fish consumed are:

$$\textit{Weight of raw fish} = \frac{\textit{Weight of fish in the prepared serving}}{1 - \frac{\textit{PercentMoistureLoss}}{100}}.$$

When there are two cooking methods specified, one preparing the raw fish for the recipe and the other for cooking the assembled recipe, we assume the moisture loss is the higher of that for either cooking method for that fish ingredient. Thus:

$$\textit{Weight of raw fish} = \frac{\textit{WPerWSum} * \textit{Weight of the prepared serving}}{1 - \frac{\textit{MaximumPercentMoistureLoss}}{100}}.$$

The total amount of fish consumption as reported in the 24-hour recall is the sum of this quantity across all ingredients and food codes that were reported consumed in the 24-hour recall. Various proportions of each fish species were assigned to habitats (freshwater, estuarine, or marine) and by trophic levels. The quantity of fish assigned to combinations of habitats and trophic levels was approximated by assuming the assignment to habitats is independent of the assignment to trophic levels. To calculate the quantities of raw or as-prepared fish in each habitat, trophic level, or combination of habitat and trophic level, the weight of fish in each ingredient is multiplied by the appropriate allocation factor. Then those values are summed across all ingredients and recipes from the same 24hour recall.

Table B-4 presents the food code, main food description, and the estimated grams of raw fish in one gram of the final prepared recipe. Given the differences in recipes between the NHANES releases for many food codes, the column “years” provides the NHANES years that the row applies to.

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
14620120	SHRIMP DIP, CREAM CHEESE BASE	All	0.349	0.062	0.288	0.000	0.349	0.000	0.175	0.175	0.000
26100100	FISH, NS AS TO TYPE, RAW	All	1.000	0.520	0.320	0.160	0.000	1.000	0.000	0.500	0.500
26100110	FISH, NS AS TO TYPE, COOKED, NS AS TO COOKING METHOD	All	1.322	0.687	0.423	0.212	0.000	1.322	0.000	0.661	0.661
26100120	FISH, NS AS TO TYPE, BAKED OR BROILED	2003-2004	1.244	0.646	0.398	0.199	0.000	1.244	0.000	0.622	0.622
26100120	FISH, NS AS TO TYPE, BAKED OR BROILED	2005-2006; 2007-2008	1.244	0.646	0.398	0.199	0.000	1.244	0.000	0.622	0.622
26100120	FISH, NS AS TO TYPE, BAKED OR BROILED	2009-2010	1.262	0.656	0.404	0.202	0.000	1.262	0.000	0.631	0.631
26100130	FISH, NS AS TO TYPE, BREADED OR BATTERED, BAKED	2003-2004	1.032	0.536	0.330	0.165	0.000	1.032	0.000	0.516	0.516
26100130	FISH, NS AS TO TYPE, BREADED OR BATTERED, BAKED	2005-2006	1.033	0.536	0.330	0.165	0.000	1.033	0.000	0.516	0.516
26100130	FISH, NS AS TO TYPE, BREADED OR BATTERED, BAKED	2007-2008	1.033	0.536	0.330	0.165	0.000	1.033	0.000	0.516	0.516
26100130	FISH, NS AS TO TYPE, BREADED OR BATTERED, BAKED	2009-2010	1.027	0.534	0.329	0.164	0.000	1.027	0.000	0.514	0.514
26100140	FISH, NS AS TO TYPE, FLOURED OR BREADED, FRIED	2003-2004	0.949	0.493	0.304	0.152	0.000	0.949	0.000	0.474	0.474
26100140	FISH, NS AS TO TYPE, FLOURED OR BREADED, FRIED	2005-2006	0.949	0.493	0.304	0.152	0.000	0.949	0.000	0.475	0.475

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
26100140	FISH, NS AS TO TYPE, FLOURED OR BREADED, FRIED	2007-2008	0.949	0.493	0.304	0.152	0.000	0.949	0.000	0.475	0.475	
26100140	FISH, NS AS TO TYPE, FLOURED OR BREADED, FRIED	2009-2010	0.946	0.491	0.303	0.151	0.000	0.946	0.000	0.473	0.473	
26100150	FISH, NS AS TO TYPE, BATTERED, FRIED	All	0.854	0.444	0.273	0.137	0.000	0.854	0.000	0.427	0.427	
26100160	FISH, NS AS TO TYPE, STEAMED	2003-2004; 2005-2006; 2007-2008	1.266	0.658	0.405	0.203	0.000	1.266	0.000	0.633	0.633	
26100160	FISH, NS AS TO TYPE, STEAMED	2009-2010	1.258	0.653	0.402	0.201	0.000	1.258	0.000	0.629	0.629	
26100170	FISH, NS AS TO TYPE, DRIED	All	2.326	1.208	0.744	0.372	0.000	2.326	0.000	1.163	1.163	
26100190	FISH, NS AS TO TYPE, SMOKED	All	1.563	0.812	0.500	0.250	0.000	1.563	0.000	0.781	0.781	
26100210	FISH STICK, PATTY, OR FILLET, NS AS TO TYPE, COOKED, NS AS TO COOKING METHOD	All	1.281	1.281	0.000	0.000	0.000	1.281	0.000	0.641	0.641	
26100220	FISH STICK, PATTY, OR FILLET, NS AS TO TYPE, BAKED OR BROILED	All	1.333	1.333	0.000	0.000	0.000	1.333	0.000	0.667	0.667	
26100230	FISH STICK, PATTY, OR FILLET, NS AS TO TYPE, BREADED OR BATTERED, BAKED	All	1.333	1.333	0.000	0.000	0.000	1.333	0.000	0.667	0.667	
26100240	FISH STICK, PATTY, OR FILLET, NS AS TO TYPE, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.949	0.000	0.000	0.000	0.949	0.000	0.474	0.474	



Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
26100240	FISH STICK, PATTY, OR FILLET, NS AS TO TYPE, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	1.136	1.136	0.000	0.000	0.000	1.136	0.000	0.568	0.568	
26100250	FISH STICK, PATTY, OR FILLET, NS AS TO TYPE, BATTERED, FRIED	2003-2004; 2005-2006	0.854	0.854	0.000	0.000	0.000	0.854	0.000	0.427	0.427	
26100250	FISH STICK, PATTY, OR FILLET, NS AS TO TYPE, BATTERED, FRIED	2007-2008; 2009-2010	1.136	1.136	0.000	0.000	0.000	1.136	0.000	0.568	0.568	
26101110	ANCHOVY, COOKED, NS AS TO COOKING METHOD	All	1.333	0.000	1.333	0.000	0.000	1.333	0.667	0.667	0.000	
26105120	CARP, BAKED OR BROILED	2003-2004	1.208	0.000	0.000	1.208	0.000	1.208	0.000	1.208	0.000	
26105120	CARP, BAKED OR BROILED	2005-2006; 2007-2008	1.245	0.000	0.000	1.245	0.000	1.245	0.000	1.245	0.000	
26105120	CARP, BAKED OR BROILED	2009-2010	1.244	0.000	0.000	1.244	0.000	1.244	0.000	1.244	0.000	
26105140	CARP, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.883	0.000	0.000	0.883	0.000	0.883	0.000	0.883	0.000	
26105140	CARP, FLOURED OR BREADED, FRIED	2007-2008	0.884	0.000	0.000	0.884	0.000	0.884	0.000	0.884	0.000	
26105140	CARP, FLOURED OR BREADED, FRIED	2009-2010	0.949	0.000	0.000	0.949	0.000	0.949	0.000	0.949	0.000	
26107110	CATFISH, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006	1.070	0.000	0.107	0.963	0.000	1.070	0.000	0.535	0.535	
26107110	CATFISH, COOKED, NS AS TO COOKING METHOD	2007-2008; 2009-2010	1.070	0.000	0.107	0.963	0.000	1.070	0.000	0.535	0.535	
26107120	CATFISH, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.245	0.000	0.124	1.120	0.000	1.245	0.000	0.622	0.622	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26107120	CATFISH, BAKED OR BROILED	2009-2010	1.244	0.000	0.124	1.120	0.000	1.244	0.000	0.622	0.622
26107130	CATFISH, BREADED OR BATTERED, BAKED	2003-2004; 2005-2006	1.033	0.000	0.103	0.930	0.000	1.033	0.000	0.516	0.516
26107130	CATFISH, BREADED OR BATTERED, BAKED	2007-2008; 2009-2010	1.033	0.000	0.103	0.930	0.000	1.033	0.000	0.516	0.516
26107140	CATFISH, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.000	0.095	0.854	0.000	0.949	0.000	0.474	0.474
26107140	CATFISH, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.000	0.095	0.854	0.000	0.949	0.000	0.475	0.475
26107150	CATFISH, BATTERED, FRIED	All	0.854	0.000	0.085	0.769	0.000	0.854	0.000	0.427	0.427
26107160	CATFISH, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	0.000	0.127	1.139	0.000	1.266	0.000	0.633	0.633
26107160	CATFISH, STEAMED OR POACHED	2009-2010	1.258	0.000	0.126	1.132	0.000	1.258	0.000	0.629	0.629
26109110	COD, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006	1.070	1.070	0.000	0.000	0.000	1.070	0.000	0.535	0.535
26109110	COD, COOKED, NS AS TO COOKING METHOD	2007-2008; 2009-2010	1.070	1.070	0.000	0.000	0.000	1.070	0.000	0.535	0.535
26109120	COD, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.245	1.245	0.000	0.000	0.000	1.245	0.000	0.622	0.622
26109120	COD, BAKED OR BROILED	2009-2010	1.244	1.244	0.000	0.000	0.000	1.244	0.000	0.622	0.622
26109130	COD, BREADED OR BATTERED, BAKED	2003-2004; 2005-2006	1.033	1.033	0.000	0.000	0.000	1.033	0.000	0.516	0.516
26109130	COD, BREADED OR BATTERED, BAKED	2007-2008; 2009-2010	1.033	1.033	0.000	0.000	0.000	1.033	0.000	0.516	0.516

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
26109140	COD, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.949	0.000	0.000	0.000	0.949	0.000	0.474	0.474	
26109140	COD, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.949	0.000	0.000	0.000	0.949	0.000	0.475	0.475	
26109150	COD, BATTERED, FRIED	All	0.854	0.854	0.000	0.000	0.000	0.854	0.000	0.427	0.427	
26109160	COD, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	1.266	0.000	0.000	0.000	1.266	0.000	0.633	0.633	
26109160	COD, STEAMED OR POACHED	2009-2010	1.258	1.258	0.000	0.000	0.000	1.258	0.000	0.629	0.629	
26109170	COD, DRIED, SALTED	All	2.326	2.326	0.000	0.000	0.000	2.326	0.000	1.163	1.163	
26109180	COD, DRIED, SALTED, SALT REMOVED IN WATER	All	0.663	0.663	0.000	0.000	0.000	0.663	0.000	0.331	0.331	
26111120	CROAKER, BAKED OR BROILED	2003-2004	1.187	0.085	1.043	0.059	0.000	1.187	0.000	0.594	0.594	
26111120	CROAKER, BAKED OR BROILED	2005-2006; 2007-2008	1.245	0.089	1.093	0.062	0.000	1.245	0.000	0.622	0.622	
26111120	CROAKER, BAKED OR BROILED	2009-2010	1.244	0.089	1.093	0.062	0.000	1.244	0.000	0.622	0.622	
26111130	CROAKER, BREADED OR BATTERED, BAKED	2003-2004; 2005-2006	1.032	0.074	0.907	0.052	0.000	1.032	0.000	0.516	0.516	
26111130	CROAKER, BREADED OR BATTERED, BAKED	2007-2008; 2009-2010	1.032	0.074	0.907	0.052	0.000	1.032	0.000	0.516	0.516	
26111140	CROAKER, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.848	0.061	0.745	0.042	0.000	0.848	0.000	0.424	0.424	
26111140	CROAKER, FLOURED OR BREADED, FRIED	2007-2008	0.848	0.061	0.745	0.042	0.000	0.848	0.000	0.424	0.424	
26111140	CROAKER, FLOURED OR BREADED, FRIED	2009-2010	0.949	0.068	0.834	0.047	0.000	0.949	0.000	0.475	0.475	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26111160	CROAKER, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	0.090	1.112	0.063	0.000	1.266	0.000	0.633	0.633
26111160	CROAKER, STEAMED OR POACHED	2009-2010	1.258	0.090	1.105	0.063	0.000	1.258	0.000	0.629	0.629
26113110	EEL, COOKED, NS AS TO COOKING METHOD	All	1.195	0.000	0.000	1.195	0.000	1.195	0.000	0.000	1.195
26113160	EEL, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	0.000	0.000	1.266	0.000	1.266	0.000	0.000	1.266
26113160	EEL, STEAMED OR POACHED	2009-2010	1.258	0.000	0.000	1.258	0.000	1.258	0.000	0.000	1.258
26115110	FLOUNDER, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006; 2007-2008	1.196	1.041	0.155	0.000	0.000	1.196	0.000	0.598	0.598
26115110	FLOUNDER, COOKED, NS AS TO COOKING METHOD	2009-2010	1.196	1.040	0.155	0.000	0.000	1.196	0.000	0.598	0.598
26115120	FLOUNDER, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.245	1.083	0.162	0.000	0.000	1.245	0.000	0.622	0.622
26115120	FLOUNDER, BAKED OR BROILED	2009-2010	1.244	1.083	0.162	0.000	0.000	1.244	0.000	0.622	0.622
26115130	FLOUNDER, BREADED OR BATTERED, BAKED	2003-2004; 2005-2006	1.032	0.898	0.134	0.000	0.000	1.032	0.000	0.516	0.516
26115130	FLOUNDER, BREADED OR BATTERED, BAKED	2007-2008; 2009-2010	1.032	0.898	0.134	0.000	0.000	1.032	0.000	0.516	0.516
26115140	FLOUNDER, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.826	0.123	0.000	0.000	0.949	0.000	0.474	0.474
26115140	FLOUNDER, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.826	0.123	0.000	0.000	0.949	0.000	0.475	0.475

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
26115150	FLOUNDER, BATTERED, FRIED	All	0.854	0.743	0.111	0.000	0.000	0.854	0.000	0.427	0.427	
26115160	FLOUNDER, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	1.101	0.165	0.000	0.000	1.266	0.000	0.633	0.633	
26115160	FLOUNDER, STEAMED OR POACHED	2009-2010	1.258	1.094	0.163	0.000	0.000	1.258	0.000	0.629	0.629	
26117110	HADDOCK, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006; 2007-2008	1.195	1.128	0.007	0.060	0.000	1.195	0.000	0.597	0.597	
26117110	HADDOCK, COOKED, NS AS TO COOKING METHOD	2009-2010	1.195	1.128	0.007	0.060	0.000	1.195	0.000	0.597	0.597	
26117120	HADDOCK, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.243	1.174	0.007	0.062	0.000	1.243	0.000	0.622	0.622	
26117120	HADDOCK, BAKED OR BROILED	2009-2010	1.243	1.174	0.007	0.062	0.000	1.243	0.000	0.622	0.622	
26117130	HADDOCK, BREADED OR BATTERED, BAKED	2003-2004; 2005-2006	1.032	0.975	0.006	0.052	0.000	1.032	0.000	0.516	0.516	
26117130	HADDOCK, BREADED OR BATTERED, BAKED	2007-2008; 2009-2010	1.032	0.975	0.006	0.052	0.000	1.032	0.000	0.516	0.516	
26117140	HADDOCK, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.896	0.005	0.047	0.000	0.949	0.000	0.474	0.474	
26117140	HADDOCK, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.897	0.005	0.047	0.000	0.949	0.000	0.475	0.475	
26117150	HADDOCK, BATTERED, FRIED	All	0.854	0.807	0.005	0.043	0.000	0.854	0.000	0.427	0.427	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
26117160	HADDOCK, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	1.196	0.007	0.063	0.000	1.266	0.000	0.633	0.633	
26117160	HADDOCK, STEAMED OR POACHED	2009-2010	1.258	1.188	0.007	0.063	0.000	1.258	0.000	0.629	0.629	
26119110	HERRING, COOKED, NS AS TO COOKING METHOD	All	1.281	0.389	0.879	0.013	0.000	1.281	0.000	1.281	0.000	
26119120	HERRING, BAKED OR BROILED	2003-2004	1.219	0.371	0.837	0.012	0.000	1.219	0.000	1.219	0.000	
26119120	HERRING, BAKED OR BROILED	2005-2006; 2007-2008	1.245	0.378	0.854	0.013	0.000	1.245	0.000	1.245	0.000	
26119120	HERRING, BAKED OR BROILED	2009-2010	1.244	0.378	0.854	0.013	0.000	1.244	0.000	1.244	0.000	
26119140	HERRING, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.878	0.267	0.602	0.009	0.000	0.878	0.000	0.878	0.000	
26119140	HERRING, FLOURED OR BREADED, FRIED	2007-2008	0.878	0.267	0.602	0.009	0.000	0.878	0.000	0.878	0.000	
26119140	HERRING, FLOURED OR BREADED, FRIED	2009-2010	0.949	0.288	0.651	0.010	0.000	0.949	0.000	0.949	0.000	
26119160	HERRING, PICKLED, IN CREAM SAUCE	All	0.950	0.289	0.651	0.010	0.000	0.950	0.000	0.950	0.000	
26119180	HERRING, PICKLED	All	1.190	0.362	0.817	0.012	0.000	1.190	0.000	1.190	0.000	
26119190	HERRING, SMOKED, KIPPERED	All	1.852	0.563	1.270	0.019	0.000	1.852	0.000	1.852	0.000	
26121100	MACKEREL, RAW	All	1.000	0.411	0.589	0.000	0.000	1.000	0.000	0.500	0.500	
26121110	MACKEREL, COOKED, NS AS TO COOKING METHOD	All	1.196	0.492	0.704	0.000	0.000	1.196	0.000	0.598	0.598	
26121120	MACKEREL, BAKED OR BROILED	All	1.244	0.511	0.733	0.000	0.000	1.244	0.000	0.622	0.622	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26121140	MACKEREL, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.390	0.559	0.000	0.000	0.949	0.000	0.474	0.474
26121140	MACKEREL, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.390	0.559	0.000	0.000	0.949	0.000	0.475	0.475
26121180	MACKEREL, CANNED	All	1.333	0.548	0.785	0.000	0.000	1.333	0.000	0.667	0.667
26123140	MULLET, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.878	0.000	0.878	0.000	0.000	0.878	0.878	0.000	0.000
26123140	MULLET, FLOURED OR BREADED, FRIED	2007-2008	0.878	0.000	0.878	0.000	0.000	0.878	0.878	0.000	0.000
26123140	MULLET, FLOURED OR BREADED, FRIED	2009-2010	0.949	0.000	0.949	0.000	0.000	0.949	0.949	0.000	0.000
26125120	OCEAN PERCH, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.245	1.151	0.093	0.000	0.000	1.245	0.000	0.000	1.245
26125120	OCEAN PERCH, BAKED OR BROILED	2009-2010	1.244	1.151	0.093	0.000	0.000	1.244	0.000	0.000	1.244
26125140	OCEAN PERCH, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.878	0.071	0.000	0.000	0.949	0.000	0.000	0.949
26125140	OCEAN PERCH, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.878	0.071	0.000	0.000	0.949	0.000	0.000	0.949
26125150	OCEAN PERCH, BATTERED, FRIED	All	0.854	0.790	0.064	0.000	0.000	0.854	0.000	0.000	0.854
26125160	OCEAN PERCH, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	1.171	0.095	0.000	0.000	1.266	0.000	0.000	1.266
26125160	OCEAN PERCH, STEAMED OR POACHED	2009-2010	1.258	1.163	0.094	0.000	0.000	1.258	0.000	0.000	1.258
26127110	PERCH, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006	0.968	0.000	0.000	0.968	0.000	0.968	0.000	0.000	0.968

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26127110	PERCH, COOKED, NS AS TO COOKING METHOD	2007-2008	0.968	0.000	0.000	0.968	0.000	0.968	0.000	0.000	0.968
26127110	PERCH, COOKED, NS AS TO COOKING METHOD	2009-2010	1.070	0.000	0.000	1.070	0.000	1.070	0.000	0.000	1.070
26127120	PERCH, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.245	0.000	0.000	1.245	0.000	1.245	0.000	0.000	1.245
26127120	PERCH, BAKED OR BROILED	2009-2010	1.244	0.000	0.000	1.244	0.000	1.244	0.000	0.000	1.244
26127130	PERCH, BREADED OR BATTERED, BAKED	2003-2004; 2005-2006	1.072	0.000	0.000	1.072	0.000	1.072	0.000	0.000	1.072
26127130	PERCH, BREADED OR BATTERED, BAKED	2007-2008	1.072	0.000	0.000	1.072	0.000	1.072	0.000	0.000	1.072
26127130	PERCH, BREADED OR BATTERED, BAKED	2009-2010	1.032	0.000	0.000	1.032	0.000	1.032	0.000	0.000	1.032
26127140	PERCH, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.858	0.000	0.000	0.858	0.000	0.858	0.000	0.000	0.858
26127140	PERCH, FLOURED OR BREADED, FRIED	2007-2008	0.859	0.000	0.000	0.859	0.000	0.859	0.000	0.000	0.859
26127140	PERCH, FLOURED OR BREADED, FRIED	2009-2010	0.949	0.000	0.000	0.949	0.000	0.949	0.000	0.000	0.949
26127150	PERCH, BATTERED, FRIED	All	0.854	0.000	0.000	0.854	0.000	0.854	0.000	0.000	0.854
26127160	PERCH, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	0.000	0.000	1.266	0.000	1.266	0.000	0.000	1.266
26127160	PERCH, STEAMED OR POACHED	2009-2010	1.258	0.000	0.000	1.258	0.000	1.258	0.000	0.000	1.258
26129120	PIKE, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.245	0.000	0.000	1.245	0.000	1.245	0.000	0.000	1.245



Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26129120	PIKE, BAKED OR BROILED	2009-2010	1.244	0.000	0.000	1.244	0.000	1.244	0.000	0.000	1.244
26129140	PIKE, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.000	0.000	0.949	0.000	0.949	0.000	0.000	0.949
26129140	PIKE, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.000	0.000	0.949	0.000	0.949	0.000	0.000	0.949
26131100	POMPANO, RAW	All	1.000	0.661	0.338	0.002	0.000	1.000	0.000	0.000	1.000
26131110	POMPANO, COOKED, NS AS TO COOKING METHOD	2003-2004	1.158	0.765	0.391	0.002	0.000	1.158	0.000	0.000	1.158
26131110	POMPANO, COOKED, NS AS TO COOKING METHOD	2005-2006; 2007-2008	1.196	0.790	0.404	0.002	0.000	1.196	0.000	0.000	1.196
26131110	POMPANO, COOKED, NS AS TO COOKING METHOD	2009-2010	1.196	0.790	0.404	0.002	0.000	1.196	0.000	0.000	1.196
26131120	POMPANO, BAKED OR BROILED	2003-2004	1.205	0.796	0.407	0.002	0.000	1.205	0.000	0.000	1.205
26131120	POMPANO, BAKED OR BROILED	2005-2006; 2007-2008	1.245	0.822	0.420	0.002	0.000	1.245	0.000	0.000	1.245
26131120	POMPANO, BAKED OR BROILED	2009-2010	1.244	0.822	0.420	0.002	0.000	1.244	0.000	0.000	1.244
26131140	POMPANO, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.878	0.580	0.296	0.001	0.000	0.878	0.000	0.000	0.878
26131140	POMPANO, FLOURED OR BREADED, FRIED	2007-2008	0.878	0.580	0.297	0.001	0.000	0.878	0.000	0.000	0.878
26131140	POMPANO, FLOURED OR BREADED, FRIED	2009-2010	0.949	0.627	0.321	0.001	0.000	0.949	0.000	0.000	0.949
26131150	POMPANO, BATTERED, FRIED	All	0.854	0.565	0.289	0.001	0.000	0.854	0.000	0.000	0.854
26131160	POMPANO, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	0.836	0.428	0.002	0.000	1.266	0.000	0.000	1.266

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
26131160	POMPANO, STEAMED OR POACHED	2009-2010	1.258	0.831	0.425	0.002	0.000	1.258	0.000	0.000	1.258	
26133110	PORGY, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006	0.956	0.938	0.018	0.000	0.000	0.956	0.000	0.000	0.956	
26133110	PORGY, COOKED, NS AS TO COOKING METHOD	2007-2008	0.956	0.938	0.018	0.000	0.000	0.956	0.000	0.000	0.956	
26133110	PORGY, COOKED, NS AS TO COOKING METHOD	2009-2010	1.070	1.050	0.020	0.000	0.000	1.070	0.000	0.000	1.070	
26133120	PORGY, BAKED OR BROILED	2003-2004	1.187	1.165	0.023	0.000	0.000	1.187	0.000	0.000	1.187	
26133120	PORGY, BAKED OR BROILED	2005-2006; 2007-2008	1.245	1.221	0.024	0.000	0.000	1.245	0.000	0.000	1.245	
26133120	PORGY, BAKED OR BROILED	2009-2010	1.244	1.221	0.024	0.000	0.000	1.244	0.000	0.000	1.244	
26133140	PORGY, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.848	0.832	0.016	0.000	0.000	0.848	0.000	0.000	0.848	
26133140	PORGY, FLOURED OR BREADED, FRIED	2007-2008	0.848	0.832	0.016	0.000	0.000	0.848	0.000	0.000	0.848	
26133140	PORGY, FLOURED OR BREADED, FRIED	2009-2010	0.949	0.931	0.018	0.000	0.000	0.949	0.000	0.000	0.949	
26133150	PORGY, BATTERED, FRIED	All	0.724	0.711	0.014	0.000	0.000	0.724	0.000	0.000	0.724	
26133160	PORGY, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	1.242	0.024	0.000	0.000	1.266	0.000	0.000	1.266	
26133160	PORGY, STEAMED OR POACHED	2009-2010	1.258	1.234	0.024	0.000	0.000	1.258	0.000	0.000	1.258	
26137100	SALMON, RAW	All	1.000	0.960	0.035	0.005	0.000	1.000	0.000	0.000	1.000	
26137110	SALMON, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006; 2007-2008	1.333	1.280	0.047	0.007	0.000	1.333	0.000	0.000	1.333	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26137110	SALMON, COOKED, NS AS TO COOKING METHOD	2009-2010	1.323	1.270	0.046	0.007	0.000	1.323	0.000	0.000	1.323
26137120	SALMON, BAKED OR BROILED	2003-2004	1.231	1.182	0.043	0.006	0.000	1.231	0.000	0.000	1.231
26137120	SALMON, BAKED OR BROILED	2005-2006; 2007-2008	1.245	1.195	0.044	0.006	0.000	1.245	0.000	0.000	1.245
26137120	SALMON, BAKED OR BROILED	2009-2010	1.244	1.195	0.044	0.006	0.000	1.244	0.000	0.000	1.244
26137140	SALMON, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.924	0.887	0.032	0.005	0.000	0.924	0.000	0.000	0.924
26137140	SALMON, FLOURED OR BREADED, FRIED	2007-2008	0.924	0.888	0.032	0.005	0.000	0.924	0.000	0.000	0.924
26137140	SALMON, FLOURED OR BREADED, FRIED	2009-2010	0.949	0.911	0.033	0.005	0.000	0.949	0.000	0.000	0.949
26137150	SALMON, BATTERED, FRIED	All	0.854	0.820	0.030	0.004	0.000	0.854	0.000	0.000	0.854
26137160	SALMON, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	1.215	0.044	0.006	0.000	1.266	0.000	0.000	1.266
26137160	SALMON, STEAMED OR POACHED	2009-2010	1.258	1.207	0.044	0.006	0.000	1.258	0.000	0.000	1.258
26137180	SALMON, CANNED	All	1.333	1.280	0.047	0.007	0.000	1.333	0.000	0.000	1.333
26137190	SALMON, SMOKED	All	1.205	1.157	0.042	0.006	0.000	1.205	0.000	0.000	1.205
26139110	SARDINES, COOKED	All	1.333	1.200	0.133	0.000	0.000	1.333	0.000	1.333	0.000
26139170	SARDINES, DRIED	All	2.326	2.093	0.233	0.000	0.000	2.326	0.000	2.326	0.000
26139180	SARDINES, CANNED IN OIL	All	1.333	1.200	0.133	0.000	0.000	1.333	0.000	1.333	0.000
26139190	SARDINES, SKINLESS, BONELESS, PACKED IN WATER	All	1.333	1.200	0.133	0.000	0.000	1.333	0.000	1.333	0.000
26141110	SEA BASS, COOKED, NS AS TO COOKING METHOD	2003-2004	1.183	1.095	0.059	0.030	0.000	1.183	0.000	0.000	1.183

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26141110	SEA BASS, COOKED, NS AS TO COOKING METHOD	2005-2006; 2007-2008	1.196	1.106	0.060	0.030	0.000	1.196	0.000	0.000	1.196
26141110	SEA BASS, COOKED, NS AS TO COOKING METHOD	2009-2010	1.196	1.106	0.060	0.030	0.000	1.196	0.000	0.000	1.196
26141120	SEA BASS, BAKED OR BROILED	2003-2004	1.231	1.139	0.062	0.031	0.000	1.231	0.000	0.000	1.231
26141120	SEA BASS, BAKED OR BROILED	2005-2006; 2007-2008	1.245	1.151	0.062	0.031	0.000	1.245	0.000	0.000	1.245
26141120	SEA BASS, BAKED OR BROILED	2009-2010	1.244	1.151	0.062	0.031	0.000	1.244	0.000	0.000	1.244
26141130	SEA BASS, BREADED OR BATTERED, BAKED	2003-2004; 2005-2006; 2007-2008	1.072	0.991	0.054	0.027	0.000	1.072	0.000	0.000	1.072
26141130	SEA BASS, BREADED OR BATTERED, BAKED	2009-2010	1.032	0.955	0.052	0.026	0.000	1.032	0.000	0.000	1.032
26141140	SEA BASS, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.924	0.855	0.046	0.023	0.000	0.924	0.000	0.000	0.924
26141140	SEA BASS, FLOURED OR BREADED, FRIED	2007-2008	0.924	0.855	0.046	0.023	0.000	0.924	0.000	0.000	0.924
26141140	SEA BASS, FLOURED OR BREADED, FRIED	2009-2010	0.949	0.878	0.047	0.024	0.000	0.949	0.000	0.000	0.949
26141160	SEA BASS, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	1.171	0.063	0.032	0.000	1.266	0.000	0.000	1.266
26141160	SEA BASS, STEAMED OR POACHED	2009-2010	1.258	1.163	0.063	0.031	0.000	1.258	0.000	0.000	1.258
26143120	SHARK, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.245	1.078	0.167	0.000	0.000	1.245	0.000	0.000	1.245

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26143120	SHARK, BAKED OR BROILED	2009-2010	1.244	1.078	0.167	0.000	0.000	1.244	0.000	0.000	1.244
26147110	STURGEON, COOKED, NS AS TO COOKING METHOD	All	1.271	0.000	0.737	0.534	0.000	1.271	0.000	0.000	1.271
26149120	SWORDFISH, BAKED OR BROILED	2003-2004	1.231	1.231	0.000	0.000	0.000	1.231	0.000	0.000	1.231
26149120	SWORDFISH, BAKED OR BROILED	2005-2006; 2007-2008	1.245	1.245	0.000	0.000	0.000	1.245	0.000	0.000	1.245
26149120	SWORDFISH, BAKED OR BROILED	2009-2010	1.244	1.244	0.000	0.000	0.000	1.244	0.000	0.000	1.244
26149140	SWORDFISH, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.949	0.000	0.000	0.000	0.949	0.000	0.000	0.949
26149140	SWORDFISH, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.949	0.000	0.000	0.000	0.949	0.000	0.000	0.949
26149160	SWORDFISH, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	1.266	0.000	0.000	0.000	1.266	0.000	0.000	1.266
26149160	SWORDFISH, STEAMED OR POACHED	2009-2010	1.258	1.258	0.000	0.000	0.000	1.258	0.000	0.000	1.258
26151110	TROUT, COOKED, NS AS TO COOKING METHOD	2003-2004	1.183	0.126	0.030	1.028	0.000	1.183	0.000	0.000	1.183
26151110	TROUT, COOKED, NS AS TO COOKING METHOD	2005-2006; 2007-2008	1.196	0.127	0.030	1.039	0.000	1.196	0.000	0.000	1.196
26151110	TROUT, COOKED, NS AS TO COOKING METHOD	2009-2010	1.196	0.127	0.030	1.039	0.000	1.196	0.000	0.000	1.196
26151120	TROUT, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.245	0.132	0.031	1.081	0.000	1.245	0.000	0.000	1.245
26151120	TROUT, BAKED OR BROILED	2009-2010	1.244	0.132	0.031	1.081	0.000	1.244	0.000	0.000	1.244

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26151130	TROUT, BREADED OR BATTERED, BAKED	2003-2004; 2005-2006	1.113	0.118	0.028	0.967	0.000	1.113	0.000	0.000	1.113
26151130	TROUT, BREADED OR BATTERED, BAKED	2007-2008; 2009-2010	1.113	0.118	0.028	0.967	0.000	1.113	0.000	0.000	1.113
26151140	TROUT, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.924	0.098	0.023	0.803	0.000	0.924	0.000	0.000	0.924
26151140	TROUT, FLOURED OR BREADED, FRIED	2007-2008	0.924	0.098	0.023	0.803	0.000	0.924	0.000	0.000	0.924
26151140	TROUT, FLOURED OR BREADED, FRIED	2009-2010	0.949	0.101	0.024	0.825	0.000	0.949	0.000	0.000	0.949
26151150	TROUT, BATTERED, FRIED	All	0.854	0.091	0.021	0.742	0.000	0.854	0.000	0.000	0.854
26151190	TROUT, SMOKED	2003-2004; 2005-2006; 2007-2008	1.555	0.165	0.039	1.351	0.000	1.555	0.000	0.000	1.555
26151190	TROUT, SMOKED	2009-2010	1.551	0.165	0.039	1.347	0.000	1.551	0.000	0.000	1.551
26153100	TUNA, FRESH, RAW	All	1.000	1.000	0.000	0.000	0.000	1.000	0.000	0.000	1.000
26153110	TUNA, FRESH, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006; 2007-2008	1.196	1.196	0.000	0.000	0.000	1.196	0.000	0.000	1.196
26153110	TUNA, FRESH, COOKED, NS AS TO COOKING METHOD	2009-2010	1.196	1.196	0.000	0.000	0.000	1.196	0.000	0.000	1.196
26153120	TUNA, FRESH, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.245	1.245	0.000	0.000	0.000	1.245	0.000	0.000	1.245
26153120	TUNA, FRESH, BAKED OR BROILED	2009-2010	1.244	1.244	0.000	0.000	0.000	1.244	0.000	0.000	1.244
26153140	TUNA, FRESH, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.949	0.000	0.000	0.000	0.949	0.000	0.000	0.949

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26153140	TUNA, FRESH, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.949	0.000	0.000	0.000	0.949	0.000	0.000	0.949
26153160	TUNA, FRESH, STEAMED OR POACHED	2003-2004; 2005-2006; 2007-2008	1.266	1.266	0.000	0.000	0.000	1.266	0.000	0.000	1.266
26153160	TUNA, FRESH, STEAMED OR POACHED	2009-2010	1.258	1.258	0.000	0.000	0.000	1.258	0.000	0.000	1.258
26155110	TUNA, CANNED, NS AS TO OIL OR WATER PACK	All	1.333	1.333	0.000	0.000	0.000	1.333	0.000	0.000	1.333
26155190	TUNA, CANNED, WATER PACK	All	1.333	1.333	0.000	0.000	0.000	1.333	0.000	0.000	1.333
26157120	WHITING, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.245	1.245	0.000	0.000	0.000	1.245	0.000	1.245	0.000
26157120	WHITING, BAKED OR BROILED	2009-2010	1.244	1.244	0.000	0.000	0.000	1.244	0.000	1.244	0.000
26157130	WHITING, BREADED OR BATTERED, BAKED	2003-2004; 2005-2006	1.033	1.033	0.000	0.000	0.000	1.033	0.000	1.033	0.000
26157130	WHITING, BREADED OR BATTERED, BAKED	2007-2008; 2009-2010	1.033	1.033	0.000	0.000	0.000	1.033	0.000	1.033	0.000
26157140	WHITING, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.949	0.000	0.000	0.000	0.949	0.000	0.949	0.000
26157140	WHITING, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.949	0.000	0.000	0.000	0.949	0.000	0.949	0.000
26157150	WHITING, BATTERED, FRIED	All	0.854	0.854	0.000	0.000	0.000	0.854	0.000	0.854	0.000
26158000	TILAPIA, COOKED, NS AS TO COOKING METHOD	2005-2006; 2007-2008; 2009-2010	1.196	0.000	0.598	0.598	0.000	1.196	1.196	0.000	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26158010	TILAPIA, BAKED OR BROILED	2005-2006; 2007-2008; 2009-2010	1.244	0.000	0.622	0.622	0.000	1.244	1.244	0.000	0.000
26158020	TILAPIA, BREADED OR BATTERED, BAKED	2005-2006	1.071	0.000	0.536	0.536	0.000	1.071	1.071	0.000	0.000
26158020	TILAPIA, BREADED OR BATTERED, BAKED	2007-2008	1.071	0.000	0.536	0.536	0.000	1.071	1.071	0.000	0.000
26158020	TILAPIA, BREADED OR BATTERED, BAKED	2009-2010	1.032	0.000	0.516	0.516	0.000	1.032	1.032	0.000	0.000
26158030	TILAPIA, FLOURED OR BREADED, FRIED	2005-2006	0.949	0.000	0.474	0.474	0.000	0.949	0.949	0.000	0.000
26158030	TILAPIA, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.000	0.475	0.475	0.000	0.949	0.949	0.000	0.000
26158040	TILAPIA, BATTERED, FRIED	2005-2006; 2007-2008; 2009-2010	0.854	0.000	0.427	0.427	0.000	0.854	0.854	0.000	0.000
26205110	OCTOPUS, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006	1.070	0.663	0.407	0.000	1.070	0.000	0.000	0.535	0.535
26205110	OCTOPUS, COOKED, NS AS TO COOKING METHOD	2007-2008; 2009-2010	1.070	0.664	0.407	0.000	1.070	0.000	0.000	0.535	0.535
26205160	OCTOPUS, STEAMED	All	1.255	0.778	0.477	0.000	1.255	0.000	0.000	0.628	0.628
26207110	ROE, SHAD, COOKED	2003-2004; 2005-2006; 2007-2008	1.170	0.099	0.796	0.275	0.000	1.170	0.000	0.000	0.000
26207110	ROE, SHAD, COOKED	2009-2010	1.170	0.099	0.795	0.275	0.000	1.170	0.000	0.000	0.000
26211100	ROE, STURGEON	All	1.000	0.085	0.680	0.235	0.000	1.000	0.000	0.000	0.000
26213120	SQUID, BAKED, BROILED	2003-2004; 2005-2006; 2007-2008	1.285	1.028	0.257	0.000	1.285	0.000	0.000	0.642	0.642



Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26213120	SQUID, BAKED, BROILED	2009-2010	1.285	1.028	0.257	0.000	1.285	0.000	0.000	0.642	0.642
26213140	SQUID, BREADED, FRIED	2003-2004; 2005-2006	0.949	0.759	0.190	0.000	0.949	0.000	0.000	0.474	0.474
26213140	SQUID, BREADED, FRIED	2007-2008; 2009-2010	0.949	0.759	0.190	0.000	0.949	0.000	0.000	0.475	0.475
26213160	SQUID, STEAMED OR BOILED	All	1.255	1.004	0.251	0.000	1.255	0.000	0.000	0.628	0.628
26213170	SQUID, DRIED	All	2.319	1.855	0.464	0.000	2.319	0.000	0.000	1.159	1.159
26213190	SQUID, CANNED	All	1.325	1.060	0.265	0.000	1.325	0.000	0.000	0.663	0.663
26303100	CLAMS, RAW	All	1.000	0.840	0.160	0.000	1.000	0.000	1.000	0.000	0.000
26303110	CLAMS, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006	1.070	0.899	0.171	0.000	1.070	0.000	1.070	0.000	0.000
26303110	CLAMS, COOKED, NS AS TO COOKING METHOD	2007-2008; 2009-2010	1.071	0.899	0.171	0.000	1.071	0.000	1.071	0.000	0.000
26303120	CLAMS, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.248	1.048	0.200	0.000	1.248	0.000	1.248	0.000	0.000
26303120	CLAMS, BAKED OR BROILED	2009-2010	1.247	1.048	0.200	0.000	1.247	0.000	1.247	0.000	0.000
26303140	CLAMS, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.950	0.798	0.152	0.000	0.950	0.000	0.950	0.000	0.000
26303140	CLAMS, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.951	0.799	0.152	0.000	0.951	0.000	0.951	0.000	0.000
26303150	CLAMS, BATTERED, FRIED	All	0.856	0.719	0.137	0.000	0.856	0.000	0.856	0.000	0.000
26303160	CLAMS, STEAMED OR BOILED	All	1.255	1.054	0.201	0.000	1.255	0.000	1.255	0.000	0.000
26303180	CLAMS, CANNED	All	1.333	1.120	0.213	0.000	1.333	0.000	1.333	0.000	0.000
26305110	CRAB, COOKED, NS AS TO COOKING METHOD	All	1.271	0.347	0.924	0.000	1.271	0.000	0.000	1.271	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26305120	CRAB, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.248	0.341	0.907	0.000	1.248	0.000	0.000	1.248	0.000
26305120	CRAB, BAKED OR BROILED	2009-2010	1.247	0.340	0.907	0.000	1.247	0.000	0.000	1.247	0.000
26305160	CRAB, HARD SHELL, STEAMED	2003-2004; 2005-2006; 2007-2008	1.255	0.343	0.913	0.000	1.255	0.000	0.000	1.255	0.000
26305160	CRAB, HARD SHELL, STEAMED	2009-2010	1.258	0.343	0.914	0.000	1.258	0.000	0.000	1.258	0.000
26307140	CRAB, SOFT SHELL, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.859	0.235	0.625	0.000	0.859	0.000	0.000	0.859	0.000
26307140	CRAB, SOFT SHELL, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.860	0.235	0.626	0.000	0.860	0.000	0.000	0.860	0.000
26309140	CRAYFISH, FLOURED OR BREADED, FRIED	All	0.858	0.000	0.000	0.858	0.858	0.000	0.000	0.858	0.000
26309160	CRAYFISH, BOILED OR STEAMED	All	1.255	0.000	0.000	1.255	1.255	0.000	0.000	1.255	0.000
26311110	LOBSTER, COOKED, NS AS TO COOKING METHOD	All	1.271	0.056	1.215	0.000	1.271	0.000	0.000	1.271	0.000
26311120	LOBSTER, BAKED OR BROILED	All	1.285	0.057	1.228	0.000	1.285	0.000	0.000	1.285	0.000
26311160	LOBSTER, STEAMED OR BOILED	All	1.255	0.055	1.200	0.000	1.255	0.000	0.000	1.255	0.000
26313110	MUSSELS, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006; 2007-2008	1.199	0.000	1.199	0.000	1.199	0.000	1.199	0.000	0.000
26313110	MUSSELS, COOKED, NS AS TO COOKING METHOD	2009-2010	1.198	0.000	1.198	0.000	1.198	0.000	1.198	0.000	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26313160	MUSSELS, STEAMED OR POACHED	All	1.255	0.000	1.255	0.000	1.255	0.000	1.255	0.000	0.000
26315100	OYSTERS, RAW	All	1.000	0.000	1.000	0.000	0.000	1.000	1.000	0.000	0.000
26315110	OYSTERS, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006; 2007-2008	1.096	0.000	1.096	0.000	0.000	1.096	1.096	0.000	0.000
26315110	OYSTERS, COOKED, NS AS TO COOKING METHOD	2009-2010	1.096	0.000	1.096	0.000	0.000	1.096	1.096	0.000	0.000
26315120	OYSTERS, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.248	0.000	1.248	0.000	0.000	1.248	1.248	0.000	0.000
26315120	OYSTERS, BAKED OR BROILED	2009-2010	1.247	0.000	1.247	0.000	0.000	1.247	1.247	0.000	0.000
26315130	OYSTERS, STEAMED	All	1.255	0.000	1.255	0.000	0.000	1.255	1.255	0.000	0.000
26315140	OYSTERS, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.000	0.949	0.000	0.000	0.949	0.949	0.000	0.000
26315140	OYSTERS, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.000	0.949	0.000	0.000	0.949	0.949	0.000	0.000
26315150	OYSTERS, BATTERED, FRIED	All	0.856	0.000	0.856	0.000	0.000	0.856	0.856	0.000	0.000
26315180	OYSTERS, CANNED	All	1.333	0.000	1.333	0.000	0.000	1.333	1.333	0.000	0.000
26315190	OYSTERS, SMOKED	2003-2004; 2005-2006; 2007-2008	1.549	0.000	1.549	0.000	0.000	1.549	1.549	0.000	0.000
26315190	OYSTERS, SMOKED	2009-2010	1.551	0.000	1.551	0.000	0.000	1.551	1.551	0.000	0.000
26317110	SCALLOPS, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006	1.070	0.000	1.070	0.000	1.070	0.000	1.070	0.000	0.000
26317110	SCALLOPS, COOKED, NS AS TO COOKING METHOD	2007-2008; 2009-2010	1.070	0.000	1.070	0.000	1.070	0.000	1.070	0.000	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
26317120	SCALLOPS, BAKED OR BROILED	2003-2004; 2005-2006; 2007-2008	1.285	0.000	1.285	0.000	1.285	0.000	1.285	0.000	0.000
26317120	SCALLOPS, BAKED OR BROILED	2009-2010	1.285	0.000	1.285	0.000	1.285	0.000	1.285	0.000	0.000
26317130	SCALLOPS, STEAMED OR BOILED	2003-2004; 2005-2006; 2007-2008	1.220	0.000	1.220	0.000	1.220	0.000	1.220	0.000	0.000
26317130	SCALLOPS, STEAMED OR BOILED	2009-2010	1.258	0.000	1.258	0.000	1.258	0.000	1.258	0.000	0.000
26317140	SCALLOPS, FLOURED OR BREADED, FRIED	2003-2004; 2005-2006	0.949	0.000	0.949	0.000	0.949	0.000	0.949	0.000	0.000
26317140	SCALLOPS, FLOURED OR BREADED, FRIED	2007-2008; 2009-2010	0.949	0.000	0.949	0.000	0.949	0.000	0.949	0.000	0.000
26317150	SCALLOPS, BATTERED, FRIED	All	0.856	0.000	0.856	0.000	0.856	0.000	0.856	0.000	0.000
26319110	SHRIMP, COOKED, NS AS TO COOKING METHOD	2003-2004; 2005-2006; 2007-2008	1.271	0.224	1.047	0.000	1.271	0.000	0.635	0.635	0.000
26319110	SHRIMP, COOKED, NS AS TO COOKING METHOD	2009-2010	1.273	0.224	1.049	0.000	1.273	0.000	0.636	0.636	0.000
26319120	SHRIMP, BAKED OR BROILED	2003-2004; 2005-2006	1.285	0.226	1.059	0.000	1.285	0.000	0.642	0.642	0.000
26319120	SHRIMP, BAKED OR BROILED	2007-2008; 2009-2010	1.284	0.226	1.058	0.000	1.284	0.000	0.642	0.642	0.000
26319130	SHRIMP, STEAMED OR BOILED	2003-2004; 2005-2006; 2007-2008	1.255	0.221	1.034	0.000	1.255	0.000	0.628	0.628	0.000
26319130	SHRIMP, STEAMED OR BOILED	2009-2010	1.258	0.221	1.036	0.000	1.258	0.000	0.629	0.629	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
26319140	SHRIMP, FLOURED, BREADED, OR BATTERED, FRIED	2003-2004; 2005-2006	0.856	0.151	0.706	0.000	0.856	0.000	0.428	0.428	0.000	
26319140	SHRIMP, FLOURED, BREADED, OR BATTERED, FRIED	2007-2008	0.716	0.126	0.590	0.000	0.716	0.000	0.358	0.358	0.000	
26319140	SHRIMP, FLOURED, BREADED, OR BATTERED, FRIED	2009-2010	0.723	0.127	0.596	0.000	0.723	0.000	0.362	0.362	0.000	
26319170	SHRIMP, DRIED	All	2.326	0.409	1.916	0.000	2.326	0.000	1.163	1.163	0.000	
26319180	SHRIMP, CANNED	All	1.333	0.235	1.099	0.000	1.333	0.000	0.667	0.667	0.000	
26321110	SNAILS, COOKED, NS AS TO COOKING METHOD	All	1.243	0.559	0.559	0.124	1.243	0.000	1.243	0.000	0.000	
27116400	STEAK TARTARE (RAW GROUND BEEF AND EGG)	All	0.021	0.000	0.021	0.000	0.000	0.021	0.011	0.011	0.000	
27150010	FISH WITH CREAM OR WHITE SAUCE, NOT TUNA OR LOBSTER (MIXTURE)	All	0.468	0.468	0.000	0.000	0.000	0.468	0.000	0.234	0.234	
27150020	CRAB, DEVEILED	2003-2004; 2005-2006; 2007-2008	0.603	0.165	0.439	0.000	0.603	0.000	0.000	0.603	0.000	
27150020	CRAB, DEVEILED	2009-2010	0.603	0.165	0.438	0.000	0.603	0.000	0.000	0.603	0.000	
27150030	CRAB IMPERIAL	All	0.735	0.201	0.535	0.000	0.735	0.000	0.000	0.735	0.000	
27150060	LOBSTER NEWBURG	All	0.469	0.021	0.448	0.000	0.469	0.000	0.000	0.469	0.000	
27150070	LOBSTER WITH BUTTER SAUCE (MIXTURE)	All	0.979	0.043	0.936	0.000	0.979	0.000	0.000	0.979	0.000	
27150100	SHRIMP, CURRIED	2003-2004; 2005-2006; 2007-2008	0.484	0.085	0.399	0.000	0.484	0.000	0.242	0.242	0.000	
27150100	SHRIMP, CURRIED	2009-2010	0.485	0.085	0.400	0.000	0.485	0.000	0.242	0.242	0.000	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
27150110	SHRIMP COCKTAIL (SHRIMP WITH COCKTAIL SAUCE)	2003-2004; 2005-2006; 2007-2008	0.656	0.116	0.541	0.000	0.656	0.000	0.328	0.328	0.000	
27150110	SHRIMP COCKTAIL (SHRIMP WITH COCKTAIL SAUCE)	2009-2010	0.828	0.146	0.682	0.000	0.828	0.000	0.414	0.414	0.000	
27150120	TUNA WITH CREAM OR WHITE SAUCE (MIXTURE)	All	0.456	0.456	0.000	0.000	0.000	0.456	0.000	0.000	0.456	
27150130	SEAFOOD NEWBURG	All	0.469	0.077	0.392	0.000	0.469	0.000	0.078	0.391	0.000	
27150140	CLAM SAUCE, WHITE	2003-2004	0.871	0.732	0.139	0.000	0.871	0.000	0.871	0.000	0.000	
27150140	CLAM SAUCE, WHITE	2005-2006; 2007-2008; 2009-2010	0.436	0.366	0.070	0.000	0.436	0.000	0.436	0.000	0.000	
27150160	SHRIMP WITH LOBSTER SAUCE (MIXTURE)	All	0.629	0.111	0.519	0.000	0.629	0.000	0.315	0.315	0.000	
27150170	SWEET AND SOUR SHRIMP	2003-2004; 2005-2006; 2007-2008	0.294	0.052	0.242	0.000	0.294	0.000	0.147	0.147	0.000	
27150170	SWEET AND SOUR SHRIMP	2009-2010	0.434	0.076	0.357	0.000	0.434	0.000	0.217	0.217	0.000	
27150200	OYSTER SAUCE (WHITE SAUCE-BASED)	All	0.659	0.000	0.659	0.000	0.000	0.659	0.659	0.000	0.000	
27150230	SHRIMP SCAMPI	All	1.091	0.192	0.899	0.000	1.091	0.000	0.546	0.546	0.000	
27150310	FISH WITH TOMATO-BASED SAUCE (MIXTURE)	2003-2004; 2005-2006; 2007-2008	0.827	0.719	0.107	0.000	0.000	0.827	0.000	0.413	0.413	
27150310	FISH WITH TOMATO-BASED SAUCE (MIXTURE)	2009-2010	0.827	0.719	0.107	0.000	0.000	0.827	0.000	0.413	0.413	
27150320	FISH CURRY	All	0.475	0.475	0.000	0.000	0.000	0.475	0.000	0.238	0.238	
27150330	MUSSELS WITH TOMATO-BASED SAUCE (MIXTURE)	All	1.013	0.000	1.013	0.000	1.013	0.000	1.013	0.000	0.000	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
27150350	SARDINES WITH TOMATO-BASED SAUCE (MIXTURE)	All	1.333	1.200	0.133	0.000	0.000	1.333	0.000	1.333	0.000
27150370	SARDINES WITH MUSTARD SAUCE (MIXTURE)	All	1.333	1.200	0.133	0.000	0.000	1.333	0.000	1.333	0.000
27150410	SHRIMP TERIYAKI (SHRIMP WITH SOY-BASED SAUCE) (MIXTURE)	2003-2004; 2005-2006; 2007-2008	0.847	0.149	0.698	0.000	0.847	0.000	0.424	0.424	0.000
27150410	SHRIMP TERIYAKI (SHRIMP WITH SOY-BASED SAUCE) (MIXTURE)	2009-2010	1.114	0.196	0.918	0.000	1.114	0.000	0.557	0.557	0.000
27150510	SCALLOPS WITH CHEESE SAUCE (MIXTURE)	All	0.629	0.000	0.629	0.000	0.629	0.000	0.629	0.000	0.000
27151030	MARINATED FISH (CEVICHE)	2003-2004	0.533	0.522	0.010	0.000	0.000	0.533	0.000	0.000	0.533
27151030	MARINATED FISH (CEVICHE)	2005-2006	0.534	0.524	0.010	0.000	0.000	0.534	0.000	0.000	0.534
27151030	MARINATED FISH (CEVICHE)	2007-2008; 2009-2010	0.534	0.494	0.027	0.013	0.000	0.534	0.000	0.000	0.534
27151040	CRABS IN TOMATO-BASED SAUCE, PUERTO RICAN STYLE (MIXTURE) (SALMOREJO DE JUEYES)	2003-2004	0.872	0.238	0.634	0.000	0.872	0.000	0.000	0.872	0.000
27151040	CRABS IN TOMATO-BASED SAUCE, PUERTO RICAN STYLE (MIXTURE) (SALMOREJO DE JUEYES)	2005-2006; 2007-2008; 2009-2010	0.780	0.213	0.567	0.000	0.780	0.000	0.000	0.780	0.000
27151050	SHRIMP IN GARLIC SAUCE, PUERTO RICAN STYLE (MIXTURE) (CAMARONES AL AJILLO)	2003-2004; 2005-2006; 2007-2008	0.828	0.146	0.682	0.000	0.828	0.000	0.414	0.414	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
27151050	SHRIMP IN GARLIC SAUCE, PUERTO RICAN STYLE (MIXTURE) (CAMARONES AL AJILLO)	2009-2010	0.828	0.146	0.682	0.000	0.828	0.000	0.414	0.414	0.000
27151070	STEWED CODFISH, PUERTO RICAN STYLE	All	0.489	0.489	0.000	0.000	0.000	0.489	0.000	0.244	0.244
27250020	CLAMS, STUFFED	2003-2004; 2005-2006; 2007-2008	0.680	0.571	0.109	0.000	0.680	0.000	0.680	0.000	0.000
27250020	CLAMS, STUFFED	2009-2010	0.679	0.571	0.109	0.000	0.679	0.000	0.679	0.000	0.000
27250030	CODFISH BALL OR CAKE	All	0.589	0.589	0.000	0.000	0.000	0.589	0.000	0.295	0.295
27250040	CRAB CAKE	2003-2004; 2005-2006	1.041	0.284	0.756	0.000	1.041	0.000	0.000	1.041	0.000
27250040	CRAB CAKE	2007-2008; 2009-2010	0.869	0.237	0.632	0.000	0.869	0.000	0.000	0.869	0.000
27250050	FISH CAKE OR PATTY, NS AS TO FISH	All	0.589	0.589	0.000	0.000	0.000	0.589	0.000	0.295	0.295
27250070	SALMON CAKE OR PATTY	All	0.631	0.606	0.022	0.003	0.000	0.631	0.000	0.000	0.631
27250110	SCALLOPS AND NOODLES WITH CHEESE SAUCE (MIXTURE)	2003-2004; 2005-2006; 2007-2008	0.472	0.000	0.472	0.000	0.472	0.000	0.472	0.000	0.000
27250110	SCALLOPS AND NOODLES WITH CHEESE SAUCE (MIXTURE)	2009-2010	0.472	0.000	0.472	0.000	0.472	0.000	0.472	0.000	0.000
27250120	SHRIMP AND NOODLES, NO SAUCE (MIXTURE)	2007-2008	0.454	0.080	0.374	0.000	0.454	0.000	0.227	0.227	0.000
27250120	SHRIMP AND NOODLES, NO SAUCE (MIXTURE)	2009-2010	0.452	0.080	0.373	0.000	0.452	0.000	0.226	0.226	0.000



Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
27250122	SHRIMP AND NOODLES WITH GRAVY (MIXTURE)	2007-2008; 2009-2010	0.260	0.046	0.214	0.000	0.260	0.000	0.130	0.130	0.000
27250124	SHRIMP AND NOODLES WITH (MUSHROOM) SOUP (MIXTURE)	2007-2008; 2009-2010	0.287	0.050	0.236	0.000	0.287	0.000	0.143	0.143	0.000
27250126	SHRIMP AND NOODLES WITH CREAM OR WHITE SAUCE (MIXTURE)	2007-2008; 2009-2010	0.264	0.047	0.218	0.000	0.264	0.000	0.132	0.132	0.000
27250128	SHRIMP AND NOODLES WITH SOY-BASED SAUCE (MIXTURE)	2007-2008; 2009-2010	0.294	0.052	0.242	0.000	0.294	0.000	0.147	0.147	0.000
27250130	SHRIMP AND NOODLES WITH CHEESE SAUCE (MIXTURE)	2003-2004; 2005-2006; 2007-2008	0.472	0.083	0.389	0.000	0.472	0.000	0.236	0.236	0.000
27250130	SHRIMP AND NOODLES WITH CHEESE SAUCE (MIXTURE)	2009-2010	0.472	0.083	0.389	0.000	0.472	0.000	0.236	0.236	0.000
27250132	SHRIMP AND NOODLES WITH TOMATO SAUCE (MIXTURE)	2007-2008; 2009-2010	0.328	0.058	0.270	0.000	0.328	0.000	0.164	0.164	0.000
27250160	TUNA CAKE OR PATTY	All	0.652	0.652	0.000	0.000	0.000	0.652	0.000	0.000	0.652
27250210	CLAM CAKE OR PATTY	All	0.679	0.570	0.109	0.000	0.679	0.000	0.679	0.000	0.000
27250220	OYSTER FRITTER	All	0.580	0.000	0.580	0.000	0.000	0.580	0.580	0.000	0.000
27250250	FLOUNDER WITH CRAB STUFFING	2003-2004; 2005-2006; 2007-2008	1.005	0.755	0.251	0.000	0.201	0.804	0.000	0.603	0.402
27250250	FLOUNDER WITH CRAB STUFFING	2009-2010	1.016	0.762	0.253	0.000	0.203	0.813	0.000	0.609	0.406
27250260	LOBSTER WITH BREAD STUFFING, BAKED	All	0.914	0.040	0.874	0.000	0.914	0.000	0.000	0.914	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
27250400	SHRIMP CAKE OR PATTY	All	0.633	0.111	0.522	0.000	0.633	0.000	0.317	0.317	0.000
27250410	SHRIMP WITH CRAB STUFFING	All	1.007	0.228	0.779	0.000	1.007	0.000	0.241	0.766	0.000
27250450	SHRIMP TOAST, FRIED	2003-2004; 2005-2006	0.381	0.067	0.314	0.000	0.381	0.000	0.191	0.191	0.000
27250450	SHRIMP TOAST, FRIED	2007-2008	0.385	0.068	0.318	0.000	0.385	0.000	0.193	0.193	0.000
27250450	SHRIMP TOAST, FRIED	2009-2010	0.376	0.066	0.310	0.000	0.376	0.000	0.188	0.188	0.000
27250510	FISH CAKE (KAMABOKO) TEMPURA	All	0.685	0.685	0.000	0.000	0.000	0.685	0.000	0.343	0.343
27250520	SEAFOOD RESTRUCTURED	2003-2004; 2005-2006	0.901	0.901	0.000	0.000	0.000	0.901	0.000	0.450	0.450
27250520	SEAFOOD RESTRUCTURED	2007-2008; 2009-2010	1.333	1.333	0.000	0.000	0.000	1.333	0.000	0.667	0.667
27250610	TUNA NOODLE CASSEROLE WITH CREAM OR WHITE SAUCE	2003-2004; 2005-2006; 2007-2008	0.374	0.374	0.000	0.000	0.000	0.374	0.000	0.000	0.374
27250610	TUNA NOODLE CASSEROLE WITH CREAM OR WHITE SAUCE	2009-2010	0.375	0.375	0.000	0.000	0.000	0.375	0.000	0.000	0.375
27250630	TUNA NOODLE CASSEROLE WITH (MUSHROOM) SOUP	2003-2004; 2005-2006; 2007-2008	0.371	0.371	0.000	0.000	0.000	0.371	0.000	0.000	0.371
27250630	TUNA NOODLE CASSEROLE WITH (MUSHROOM) SOUP	2009-2010	0.371	0.371	0.000	0.000	0.000	0.371	0.000	0.000	0.371
27250810	FISH AND RICE WITH TOMATO-BASED SAUCE	2003-2004; 2005-2006; 2007-2008	0.261	0.261	0.000	0.000	0.000	0.261	0.000	0.000	0.261
27250810	FISH AND RICE WITH TOMATO-BASED SAUCE	2009-2010	0.261	0.261	0.000	0.000	0.000	0.261	0.000	0.000	0.261

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe						Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish			
27250820	FISH AND RICE WITH CREAM SAUCE	All	0.261	0.261	0.000	0.000	0.000	0.261	0.000	0.000	0.261
27250830	FISH AND RICE WITH (MUSHROOM) SOUP	2003-2004; 2005-2006; 2007-2008	0.261	0.261	0.000	0.000	0.000	0.261	0.000	0.000	0.261
27250830	FISH AND RICE WITH (MUSHROOM) SOUP	2009-2010	0.261	0.261	0.000	0.000	0.000	0.261	0.000	0.000	0.261
27250900	FISH AND NOODLES WITH (MUSHROOM) SOUP	2003-2004; 2005-2006; 2007-2008	0.284	0.284	0.000	0.000	0.000	0.284	0.000	0.000	0.284
27250900	FISH AND NOODLES WITH (MUSHROOM) SOUP	2009-2010	0.291	0.291	0.000	0.000	0.000	0.291	0.000	0.000	0.291
27250950	SHELLFISH MIXTURE AND NOODLES, TOMATO-BASED SAUCE (MIXTURE)	All	0.295	0.099	0.196	0.000	0.295	0.000	0.244	0.051	0.000
27350020	PAELLA WITH SEAFOOD	All	0.155	0.113	0.043	0.000	0.155	0.000	0.142	0.013	0.000
27350030	SEAFOOD STEW WITH POTATOES AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY), TOMATO-BASE SAUCE	2003-2004; 2005-2006	0.413	0.192	0.118	0.103	0.310	0.103	0.258	0.052	0.103
27350030	SEAFOOD STEW WITH POTATOES AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY), TOMATO-BASE SAUCE	2007-2008; 2009-2010	0.412	0.191	0.118	0.103	0.309	0.103	0.257	0.051	0.103
27350050	SHRIMP CHOW MEIN OR CHOP SUEY WITH NOODLES	All	0.254	0.045	0.210	0.000	0.254	0.000	0.127	0.127	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
27350060	SHRIMP CREOLE, WITH RICE	2003-2004; 2005-2006; 2007-2008	0.492	0.087	0.406	0.000	0.492	0.000	0.246	0.246	0.000
27350060	SHRIMP CREOLE, WITH RICE	2009-2010	0.492	0.087	0.406	0.000	0.492	0.000	0.246	0.246	0.000
27350080	TUNA NOODLE CASSEROLE WITH VEGETABLES, CREAM OR WHITE SAUCE	2003-2004; 2005-2006	0.216	0.216	0.000	0.000	0.000	0.216	0.000	0.000	0.216
27350080	TUNA NOODLE CASSEROLE WITH VEGETABLES, CREAM OR WHITE SAUCE	2007-2008; 2009-2010	0.215	0.215	0.000	0.000	0.000	0.215	0.000	0.000	0.215
27350110	BOUILLABAISSE	All	0.784	0.386	0.398	0.000	0.392	0.392	0.294	0.098	0.392
27350310	SEAFOOD STEW WITH POTATOES AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY), TOMATO-BASE SAUCE	All	0.419	0.194	0.120	0.105	0.314	0.105	0.262	0.052	0.105
27350410	TUNA NOODLE CASSEROLE WITH VEGETABLES AND (MUSHROOM) SOUP	2003-2004; 2005-2006; 2007-2008	0.317	0.317	0.000	0.000	0.000	0.317	0.000	0.000	0.317
27350410	TUNA NOODLE CASSEROLE WITH VEGETABLES AND (MUSHROOM) SOUP	2009-2010	0.317	0.317	0.000	0.000	0.000	0.317	0.000	0.000	0.317
27360080	CHOW MEIN OR CHOP SUEY, NS AS TO TYPE OF MEAT, WITH NOODLES	2003-2004; 2005-2006; 2007-2008	0.076	0.013	0.062	0.000	0.076	0.000	0.038	0.038	0.000
27360080	CHOW MEIN OR CHOP SUEY, NS AS TO TYPE OF MEAT, WITH NOODLES	2009-2010	0.076	0.013	0.062	0.000	0.076	0.000	0.038	0.038	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
27360090	PAELLA, NFS	All	0.164	0.117	0.047	0.000	0.164	0.000	0.148	0.016	0.000	
27363000	GUMBO WITH RICE (NEW ORLEANS TYPE WITH SHELLFISH, PORK, AND/OR POULTRY, TOMATOES, OKRA, RICE)	All	0.104	0.010	0.094	0.000	0.043	0.061	0.071	0.033	0.000	
27420200	PORK HASH, HAWAIIAN STYLE-GROUND PORK, VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE	2003-2004; 2005-2006	0.080	0.014	0.066	0.000	0.080	0.000	0.040	0.040	0.000	
27420200	PORK HASH, HAWAIIAN STYLE-GROUND PORK, VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE	2007-2008; 2009-2010	0.079	0.014	0.065	0.000	0.079	0.000	0.040	0.040	0.000	
27450010	CRAB SALAD	All	0.813	0.222	0.591	0.000	0.813	0.000	0.000	0.813	0.000	
27450020	LOBSTER SALAD	All	0.258	0.011	0.246	0.000	0.258	0.000	0.000	0.258	0.000	
27450030	SALMON SALAD	All	0.701	0.673	0.025	0.004	0.000	0.701	0.000	0.000	0.701	
27450040	SHRIMP CHOW MEIN OR CHOP SUEY, NO NOODLES	All	0.285	0.050	0.235	0.000	0.285	0.000	0.142	0.142	0.000	
27450060	TUNA SALAD	All	0.728	0.728	0.000	0.000	0.000	0.728	0.000	0.000	0.728	
27450070	SHRIMP SALAD	All	0.827	0.146	0.681	0.000	0.827	0.000	0.413	0.413	0.000	
27450080	SEAFOOD SALAD	2003-2004	0.742	0.124	0.619	0.000	0.742	0.000	0.126	0.616	0.000	
27450080	SEAFOOD SALAD	2005-2006; 2007-2008; 2009-2010	0.785	0.131	0.655	0.000	0.785	0.000	0.133	0.652	0.000	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
27450090	TUNA SALAD WITH CHEESE	All	0.621	0.621	0.000	0.000	0.000	0.621	0.000	0.000	0.621
27450100	TUNA SALAD WITH EGG	All	0.630	0.630	0.000	0.000	0.000	0.630	0.000	0.000	0.630
27450120	SHRIMP GARDEN SALAD (SHRIMP, EGGS, VEGETABLES EXCLUDING TOMATO AND CARROTS), NO DRESSING	All	0.571	0.100	0.470	0.000	0.571	0.000	0.285	0.285	0.000
27450130	CRAB SALAD MADE WITH IMITATION CRAB	2003-2004; 2005-2006	0.578	0.578	0.000	0.000	0.000	0.578	0.000	0.289	0.289
27450130	CRAB SALAD MADE WITH IMITATION CRAB	2007-2008; 2009-2010	0.856	0.856	0.000	0.000	0.000	0.856	0.000	0.428	0.428
27450150	FISH, TOFU, AND VEGETABLES, TEMPURA, HAWAIIAN STYLE (MIXTURE)	2003-2004; 2005-2006	0.079	0.014	0.065	0.000	0.079	0.000	0.039	0.039	0.000
27450150	FISH, TOFU, AND VEGETABLES, TEMPURA, HAWAIIAN STYLE (MIXTURE)	2007-2008; 2009-2010	0.079	0.014	0.065	0.000	0.079	0.000	0.040	0.040	0.000
27450180	SEAFOOD GARDEN SALAD WITH SEAFOOD, VEGETABLES EXCLUDING TOMATO AND CARROTS, NO DRESSING	All	0.400	0.090	0.310	0.000	0.400	0.000	0.100	0.300	0.000
27450310	LOMI SALMON	All	0.466	0.447	0.016	0.002	0.000	0.466	0.000	0.000	0.466
27450400	SHRIMP AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), NO SAUCE (MIXTURE)	2007-2008	0.302	0.053	0.249	0.000	0.302	0.000	0.151	0.151	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
27450400	SHRIMP AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), NO SAUCE (MIXTURE)	2009-2010	0.309	0.054	0.255	0.000	0.309	0.000	0.155	0.155	0.000
27450405	SHRIMP AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), NO SAUCE (MIXTURE)	2007-2008	0.478	0.084	0.394	0.000	0.478	0.000	0.239	0.239	0.000
27450405	SHRIMP AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), NO SAUCE (MIXTURE)	2009-2010	0.479	0.084	0.395	0.000	0.479	0.000	0.239	0.239	0.000
27450410	SHRIMP AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE (MIXTURE)	2003-2004; 2005-2006	0.404	0.071	0.333	0.000	0.404	0.000	0.202	0.202	0.000
27450410	SHRIMP AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE (MIXTURE)	2007-2008	0.391	0.069	0.322	0.000	0.391	0.000	0.196	0.196	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
27450410	SHRIMP AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE (MIXTURE)	2009-2010	0.408	0.072	0.336	0.000	0.408	0.000	0.204	0.204	0.000	
27450420	SHRIMP AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE (MIXTURE)	2003-2004; 2005-2006	0.430	0.076	0.354	0.000	0.430	0.000	0.215	0.215	0.000	
27450420	SHRIMP AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE (MIXTURE)	2007-2008	0.416	0.073	0.343	0.000	0.416	0.000	0.208	0.208	0.000	
27450420	SHRIMP AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE (MIXTURE)	2009-2010	0.413	0.073	0.341	0.000	0.413	0.000	0.207	0.207	0.000	
27450430	SHRIMP SHISH KABOB WITH VEGETABLES, EXCLUDING POTATOES	2007-2008; 2009-2010	0.510	0.090	0.420	0.000	0.510	0.000	0.255	0.255	0.000	
27450450	SHRIMP CREOLE, NO RICE	2003-2004; 2005-2006	0.689	0.121	0.567	0.000	0.689	0.000	0.344	0.344	0.000	
27450450	SHRIMP CREOLE, NO RICE	2007-2008	0.652	0.115	0.538	0.000	0.652	0.000	0.326	0.326	0.000	
27450450	SHRIMP CREOLE, NO RICE	2009-2010	0.653	0.115	0.538	0.000	0.653	0.000	0.327	0.327	0.000	
27450470	KUNG PAO SHRIMP	2003-2004; 2005-2006	0.799	0.141	0.659	0.000	0.799	0.000	0.400	0.400	0.000	



Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
27450470	KUNG PAO SHRIMP	2007-2008; 2009-2010	0.799	0.141	0.658	0.000	0.799	0.000	0.399	0.399	0.000
27450510	TUNA CASSEROLE WITH VEGETABLES AND (MUSHROOM) SOUP, NO NOODLES	2003-2004; 2005-2006; 2007-2008	0.428	0.428	0.000	0.000	0.000	0.428	0.000	0.000	0.428
27450510	TUNA CASSEROLE WITH VEGETABLES AND (MUSHROOM) SOUP, NO NOODLES	2009-2010	0.428	0.428	0.000	0.000	0.000	0.428	0.000	0.000	0.428
27450600	SHELLFISH MIXTURE AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE	2003-2004; 2005-2006	0.315	0.160	0.155	0.000	0.315	0.000	0.237	0.079	0.000
27450600	SHELLFISH MIXTURE AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE	2007-2008	0.315	0.160	0.155	0.000	0.315	0.000	0.236	0.079	0.000
27450600	SHELLFISH MIXTURE AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE	2009-2010	0.419	0.216	0.202	0.000	0.419	0.000	0.317	0.102	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
27450610	SHELLFISH MIXTURE AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE	2003-2004; 2005-2006	0.305	0.155	0.150	0.000	0.305	0.000	0.229	0.076	0.000	
27450610	SHELLFISH MIXTURE AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE	2007-2008	0.305	0.155	0.150	0.000	0.305	0.000	0.229	0.076	0.000	
27450610	SHELLFISH MIXTURE AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE	2009-2010	0.424	0.219	0.205	0.000	0.424	0.000	0.321	0.103	0.000	
27450650	SHELLFISH MIXTURE AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), (MUSHROOM) SOUP (MIXTURE)	2003-2004; 2005-2006; 2007-2008	0.337	0.171	0.166	0.000	0.337	0.000	0.252	0.084	0.000	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
27450650	SHELLFISH MIXTURE AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), (MUSHROOM) SOUP (MIXTURE)	2009-2010	0.336	0.171	0.166	0.000	0.336	0.000	0.252	0.084	0.000	
27450660	SHELLFISH MIXTURE AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), (MUSHROOM) SOUP (MIXTURE)	2003-2004; 2005-2006; 2007-2008	0.400	0.229	0.171	0.000	0.400	0.000	0.320	0.080	0.000	
27450660	SHELLFISH MIXTURE AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), (MUSHROOM) SOUP (MIXTURE)	2009-2010	0.400	0.229	0.171	0.000	0.400	0.000	0.320	0.080	0.000	
27450700	FISH AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), TOMATO-BASED SAUCE (MIXTURE)	2003-2004; 2005-2006	0.716	0.623	0.093	0.000	0.000	0.716	0.000	0.358	0.358	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
27450700	FISH AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), TOMATO-BASED SAUCE (MIXTURE)	2007-2008; 2009-2010	0.709	0.617	0.092	0.000	0.000	0.709	0.000	0.355	0.355	
27450710	FISH AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), TOMATO-BASED SAUCE (MIXTURE)	2003-2004; 2005-2006	0.709	0.617	0.092	0.000	0.000	0.709	0.000	0.355	0.355	
27450710	FISH AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), TOMATO-BASED SAUCE (MIXTURE)	2007-2008	0.703	0.611	0.091	0.000	0.000	0.703	0.000	0.351	0.351	
27450710	FISH AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), TOMATO-BASED SAUCE (MIXTURE)	2009-2010	0.702	0.611	0.091	0.000	0.000	0.702	0.000	0.351	0.351	
27450740	FISH AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE (MIXTURE)	2003-2004; 2005-2006; 2007-2008	0.879	0.879	0.000	0.000	0.000	0.879	0.000	0.439	0.439	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
27450740	FISH AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE (MIXTURE)	2009-2010	0.449	0.449	0.000	0.000	0.000	0.449	0.000	0.224	0.224	
27450750	FISH AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE (MIXTURE)	2003-2004; 2005-2006; 2007-2008	0.802	0.802	0.000	0.000	0.000	0.802	0.000	0.401	0.401	
27450750	FISH AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES)), SOY-BASED SAUCE (MIXTURE)	2009-2010	0.454	0.454	0.000	0.000	0.000	0.454	0.000	0.227	0.227	
27451030	LOBSTER CREOLE, PUERTO RICAN STYLE (LANGOSTA A LA CRIOLLA)	2003-2004	0.541	0.024	0.517	0.000	0.541	0.000	0.000	0.541	0.000	
27451030	LOBSTER CREOLE, PUERTO RICAN STYLE (LANGOSTA A LA CRIOLLA)	2005-2006; 2007-2008; 2009-2010	0.534	0.024	0.511	0.000	0.534	0.000	0.000	0.534	0.000	
27460510	ANTIPASTO WITH HAM, FISH, CHEESE, VEGETABLES	2003-2004	0.087	0.000	0.087	0.000	0.000	0.087	0.043	0.043	0.000	
27460510	ANTIPASTO WITH HAM, FISH, CHEESE, VEGETABLES	2005-2006; 2007-2008; 2009-2010	0.087	0.000	0.087	0.000	0.000	0.087	0.043	0.043	0.000	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
27464000	GUMBO, NO RICE (NEW ORLEANS TYPE WITH SHELLFISH, PORK, AND/OR POULTRY, TOMATOES, OKRA)	All	0.113	0.011	0.103	0.000	0.047	0.066	0.078	0.035	0.000
27550000	FISH SANDWICH, ON BUN, WITH SPREAD	2003-2004; 2005-2006; 2007-2008	0.377	0.328	0.049	0.000	0.000	0.377	0.000	0.189	0.189
27550000	FISH SANDWICH, ON BUN, WITH SPREAD	2009-2010	0.463	0.463	0.000	0.000	0.000	0.463	0.000	0.232	0.232
27550100	FISH SANDWICH, ON BUN, WITH CHEESE AND SPREAD	2003-2004; 2005-2006	0.333	0.314	0.002	0.017	0.000	0.333	0.000	0.166	0.166
27550100	FISH SANDWICH, ON BUN, WITH CHEESE AND SPREAD	2007-2008	0.333	0.315	0.002	0.017	0.000	0.333	0.000	0.167	0.167
27550100	FISH SANDWICH, ON BUN, WITH CHEESE AND SPREAD	2009-2010	0.385	0.385	0.000	0.000	0.000	0.385	0.000	0.193	0.193
27550720	TUNA SALAD SANDWICH	2003-2004; 2005-2006; 2007-2008	0.490	0.490	0.000	0.000	0.000	0.490	0.000	0.000	0.490
27550720	TUNA SALAD SANDWICH	2009-2010	0.477	0.477	0.000	0.000	0.000	0.477	0.000	0.000	0.477
27550750	TUNA SALAD SUBMARINE SANDWICH, WITH LETTUCE AND TOMATO	2003-2004; 2005-2006; 2007-2008	0.313	0.313	0.000	0.000	0.000	0.313	0.000	0.000	0.313
27550750	TUNA SALAD SUBMARINE SANDWICH, WITH LETTUCE AND TOMATO	2009-2010	0.319	0.319	0.000	0.000	0.000	0.319	0.000	0.000	0.319
27550751	TUNA SALAD SUBMARINE SANDWICH, WITH CHEESE, LETTUCE AND TOMATO	2009-2010	0.289	0.289	0.000	0.000	0.000	0.289	0.000	0.000	0.289

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
28120310	PORK WITH RICE, VEGETABLE, IN SOY-BASED SAUCE (DIET FROZEN MEAL)	All	0.013	0.000	0.013	0.000	0.000	0.013	0.013	0.000	0.000
28150000	FISH DINNER, NFS (FROZEN MEAL)	2003-2004; 2005-2006	0.601	0.601	0.000	0.000	0.000	0.601	0.000	0.301	0.301
28150000	FISH DINNER, NFS (FROZEN MEAL)	2007-2008; 2009-2010	0.720	0.720	0.000	0.000	0.000	0.720	0.000	0.360	0.360
28150210	HADDOCK WITH CHOPPED SPINACH (DIET FROZEN MEAL)	All	0.552	0.521	0.003	0.028	0.000	0.552	0.000	0.276	0.276
28150220	FLOUNDER WITH CHOPPED BROCCOLI (DIET FROZEN MEAL)	All	0.463	0.403	0.060	0.000	0.000	0.463	0.000	0.232	0.232
28150510	FISH IN LEMON-BUTTER SAUCE WITH STARCH ITEM, VEGETABLE (FROZEN MEAL)	All	0.320	0.320	0.000	0.000	0.000	0.320	0.000	0.160	0.160
28150650	FISH, BREADED, OR FISH STICKS, WITH PASTA, VEGETABLE AND DESSERT (FROZEN MEAL)	All	0.243	0.243	0.000	0.000	0.000	0.243	0.000	0.121	0.121
28152030	SEAFOOD NEWBURG WITH RICE, VEGETABLE (FROZEN MEAL)	2003-2004; 2005-2006	0.228	0.128	0.101	0.000	0.120	0.108	0.053	0.121	0.054
28152030	SEAFOOD NEWBURG WITH RICE, VEGETABLE (FROZEN MEAL)	2007-2008; 2009-2010	0.191	0.090	0.101	0.000	0.120	0.071	0.053	0.102	0.035
28152050	SHRIMP WITH RICE, VEGETABLE (FROZEN MEAL)	All	0.127	0.022	0.105	0.000	0.127	0.000	0.063	0.063	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
28154010	SHRIMP AND VEGETABLES IN SAUCE WITH NOODLES (DIET FROZEN MEAL)	All	0.185	0.033	0.153	0.000	0.185	0.000	0.093	0.093	0.000
28350050	FISH CHOWDER	All	0.411	0.411	0.000	0.000	0.000	0.411	0.000	0.206	0.206
28350110	CRAB SOUP, NS AS TO TOMATO-BASE OR CREAM STYLE	2003-2004; 2005-2006; 2007-2008	0.281	0.077	0.204	0.000	0.281	0.000	0.000	0.281	0.000
28350110	CRAB SOUP, NS AS TO TOMATO-BASE OR CREAM STYLE	2009-2010	0.281	0.077	0.204	0.000	0.281	0.000	0.000	0.281	0.000
28350120	CRAB SOUP, TOMATO-BASE	2003-2004; 2005-2006; 2007-2008	0.280	0.076	0.204	0.000	0.280	0.000	0.000	0.280	0.000
28350120	CRAB SOUP, TOMATO-BASE	2009-2010	0.280	0.076	0.204	0.000	0.280	0.000	0.000	0.280	0.000
28350210	CLAM CHOWDER, NS AS TO MANHATTAN OR NEW ENGLAND STYLE	All	0.101	0.085	0.016	0.000	0.101	0.000	0.101	0.000	0.000
28350220	CLAM CHOWDER, MANHATTAN	All	0.101	0.085	0.016	0.000	0.101	0.000	0.101	0.000	0.000
28351110	FISH AND VEGETABLE SOUP, NO POTATOES (SOPA DE PESCADO)	All	0.288	0.288	0.000	0.000	0.000	0.288	0.000	0.144	0.144
28351120	FISH SOUP, WITH POTATOES (SOPA DE PESCADO)	All	0.300	0.300	0.000	0.000	0.000	0.300	0.000	0.150	0.150
28355110	CLAM CHOWDER, NEW ENGLAND, NS AS TO PREPARED WITH WATER OR MILK	All	0.101	0.085	0.016	0.000	0.101	0.000	0.101	0.000	0.000



Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe						Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish			
28355120	CLAM CHOWDER, NEW ENGLAND, PREPARED WITH MILK	All	0.051	0.043	0.008	0.000	0.051	0.000	0.051	0.000	0.000
28355130	CLAM CHOWDER, NEW ENGLAND, PREPARED WITH WATER	All	0.101	0.085	0.016	0.000	0.101	0.000	0.101	0.000	0.000
28355140	CLAM CHOWDER, NEW ENGLAND, CANNED, REDUCED SODIUM, READY-TO-SERVE	2003-2004; 2005-2006; 2007-2008	0.101	0.085	0.016	0.000	0.101	0.000	0.101	0.000	0.000
28355140	CLAM CHOWDER, NEW ENGLAND, CANNED, REDUCED SODIUM, READY-TO-SERVE	2009-2010	0.101	0.085	0.016	0.000	0.101	0.000	0.101	0.000	0.000
28355210	CRAB SOUP, CREAM OF, PREPARED WITH MILK	2003-2004; 2005-2006; 2007-2008	0.338	0.092	0.246	0.000	0.338	0.000	0.000	0.338	0.000
28355210	CRAB SOUP, CREAM OF, PREPARED WITH MILK	2009-2010	0.338	0.092	0.246	0.000	0.338	0.000	0.000	0.338	0.000
28355250	LOBSTER BISQUE	2003-2004; 2005-2006; 2007-2008	0.305	0.013	0.292	0.000	0.305	0.000	0.000	0.305	0.000
28355250	LOBSTER BISQUE	2009-2010	0.305	0.013	0.292	0.000	0.305	0.000	0.000	0.305	0.000
28355310	OYSTER STEW	All	0.408	0.000	0.408	0.000	0.000	0.408	0.408	0.000	0.000
28355350	SALMON SOUP, CREAM STYLE	All	0.602	0.578	0.021	0.003	0.000	0.602	0.000	0.000	0.602
28355410	SHRIMP SOUP, CREAM OF, NS AS TO PREPARED WITH MILK OR WATER	2003-2004; 2005-2006	0.096	0.017	0.079	0.000	0.096	0.000	0.048	0.048	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
28355410	SHRIMP SOUP, CREAM OF, NS AS TO PREPARED WITH MILK OR WATER	2007-2008; 2009-2010	0.101	0.018	0.083	0.000	0.101	0.000	0.051	0.051	0.000	
28355420	SHRIMP SOUP, CREAM OF, PREPARED WITH MILK	2003-2004; 2005-2006; 2007-2008	0.319	0.056	0.263	0.000	0.319	0.000	0.159	0.159	0.000	
28355420	SHRIMP SOUP, CREAM OF, PREPARED WITH MILK	2009-2010	0.319	0.056	0.263	0.000	0.319	0.000	0.159	0.159	0.000	
28355430	SHRIMP SOUP, CREAM OF, PREPARED WITH WATER	2003-2004; 2005-2006	0.096	0.017	0.079	0.000	0.096	0.000	0.048	0.048	0.000	
28355430	SHRIMP SOUP, CREAM OF, PREPARED WITH WATER	2007-2008; 2009-2010	0.101	0.018	0.083	0.000	0.101	0.000	0.051	0.051	0.000	
28355440	SHRIMP GUMBO	2003-2004; 2005-2006; 2007-2008	0.144	0.025	0.118	0.000	0.144	0.000	0.072	0.072	0.000	
28355440	SHRIMP GUMBO	2009-2010	0.144	0.025	0.118	0.000	0.144	0.000	0.072	0.072	0.000	
28355450	SEAFOOD SOUP WITH POTATOES AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY)	2003-2004; 2005-2006; 2007-2008	0.389	0.389	0.000	0.000	0.000	0.389	0.000	0.194	0.194	
28355450	SEAFOOD SOUP WITH POTATOES AND VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY)	2009-2010	0.148	0.148	0.000	0.000	0.000	0.148	0.000	0.074	0.074	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
28355460	SEAFOOD SOUP WITH POTATOES AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY)	2003-2004; 2005-2006	0.388	0.388	0.000	0.000	0.000	0.388	0.000	0.194	0.194
28355460	SEAFOOD SOUP WITH POTATOES AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY)	2007-2008	0.389	0.389	0.000	0.000	0.000	0.389	0.000	0.195	0.195
28355460	SEAFOOD SOUP WITH POTATOES AND VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY)	2009-2010	0.146	0.146	0.000	0.000	0.000	0.146	0.000	0.073	0.073
28355470	SEAFOOD SOUP WITH VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES))	2003-2004; 2005-2006; 2007-2008	0.389	0.389	0.000	0.000	0.000	0.389	0.000	0.194	0.194
28355470	SEAFOOD SOUP WITH VEGETABLES (INCLUDING CARROTS, BROCCOLI, AND/OR DARK-GREEN LEAFY (NO POTATOES))	2009-2010	0.150	0.150	0.000	0.000	0.000	0.150	0.000	0.075	0.075

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
28355480	SEAFOOD SOUP WITH VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES))	2003-2004; 2005-2006	0.393	0.393	0.000	0.000	0.000	0.393	0.000	0.196	0.196	
28355480	SEAFOOD SOUP WITH VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES))	2007-2008	0.394	0.394	0.000	0.000	0.000	0.394	0.000	0.197	0.197	
28355480	SEAFOOD SOUP WITH VEGETABLES (EXCLUDING CARROTS, BROCCOLI, AND DARK-GREEN LEAFY (NO POTATOES))	2009-2010	0.146	0.146	0.000	0.000	0.000	0.146	0.000	0.073	0.073	
32105013	EGG OMELET OR SCRAMBLED EGG, WITH SEAFOOD	2009-2010	0.217	0.038	0.179	0.000	0.217	0.000	0.108	0.108	0.000	
32105020	EGG OMELET OR SCRAMBLED EGG, WITH FISH	2003-2004; 2005-2006	0.189	0.182	0.007	0.001	0.000	0.189	0.000	0.000	0.189	
32105020	EGG OMELET OR SCRAMBLED EGG, WITH FISH	2007-2008; 2009-2010	0.199	0.191	0.007	0.001	0.000	0.199	0.000	0.000	0.199	
32105230	SHRIMP EGG FOO YUNG (YOUNG)	2003-2004; 2005-2006	0.168	0.030	0.139	0.000	0.168	0.000	0.084	0.084	0.000	
32105230	SHRIMP EGG FOO YUNG (YOUNG)	2007-2008; 2009-2010	0.147	0.026	0.121	0.000	0.147	0.000	0.073	0.073	0.000	
32110150	SHRIMP-EGG PATTY (TORTA DE CAMERON SECO)	All	0.828	0.146	0.682	0.000	0.828	0.000	0.414	0.414	0.000	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
54406200	SHRIMP CHIPS (TAPIOCA BASE)	All	0.333	0.059	0.275	0.000	0.333	0.000	0.167	0.167	0.000
58100900	ENCHILADA WITH SEAFOOD, TOMATO-BASED SAUCE	All	0.375	0.066	0.309	0.000	0.375	0.000	0.187	0.187	0.000
58101540	TACO OR TOSTADA WITH FISH, LETTUCE, TOMATO, SALSA	2003-2004	0.520	0.117	0.403	0.000	0.520	0.000	0.130	0.390	0.000
58101540	TACO OR TOSTADA WITH FISH, LETTUCE, TOMATO, SALSA	2005-2006; 2007-2008; 2009-2010	0.524	0.118	0.406	0.000	0.524	0.000	0.131	0.393	0.000
58106910	PIZZA WITH SEAFOOD, THIN CRUST	2003-2004; 2005-2006	0.227	0.134	0.094	0.000	0.114	0.114	0.057	0.114	0.057
58106910	PIZZA WITH SEAFOOD, THIN CRUST	2007-2008; 2009-2010	0.174	0.102	0.072	0.000	0.087	0.087	0.043	0.087	0.043
58106915	PIZZA WITH SEAFOOD, REGULAR CRUST	2007-2008; 2009-2010	0.174	0.102	0.072	0.000	0.087	0.087	0.043	0.087	0.043
58106920	PIZZA WITH SEAFOOD, THICK CRUST	2003-2004; 2005-2006	0.144	0.085	0.060	0.000	0.072	0.072	0.036	0.072	0.036
58106920	PIZZA WITH SEAFOOD, THICK CRUST	2007-2008; 2009-2010	0.174	0.102	0.072	0.000	0.087	0.087	0.043	0.087	0.043
58110120	EGG ROLL, WITH SHRIMP	2003-2004; 2005-2006	0.075	0.013	0.062	0.000	0.075	0.000	0.037	0.037	0.000
58110120	EGG ROLL, WITH SHRIMP	2007-2008; 2009-2010	0.116	0.021	0.096	0.000	0.116	0.000	0.058	0.058	0.000
58111200	PUFFS, FRIED, CRAB MEAT AND CREAM CHEESE FILLED	2003-2004; 2005-2006	0.165	0.165	0.000	0.000	0.000	0.165	0.000	0.083	0.083
58111200	PUFFS, FRIED, CRAB MEAT AND CREAM CHEESE FILLED	2007-2008; 2009-2010	0.245	0.245	0.000	0.000	0.000	0.245	0.000	0.122	0.122

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
58112110	DIM SUM, MEAT FILLED (EGG ROLL-TYPE)	All	0.177	0.031	0.146	0.000	0.177	0.000	0.089	0.089	0.000
58112510	DUMPLING, STEAMED, FILLED WITH MEAT, POULTRY, OR SEAFOOD	All	0.175	0.031	0.144	0.000	0.175	0.000	0.088	0.088	0.000
58117410	CODFISH FRITTER, PUERTO RICAN STYLE (BACALAITO)	2003-2004	0.596	0.596	0.000	0.000	0.000	0.596	0.000	0.298	0.298
58117410	CODFISH FRITTER, PUERTO RICAN STYLE (BACALAITO)	2005-2006; 2007-2008; 2009-2010	0.239	0.239	0.000	0.000	0.000	0.239	0.000	0.119	0.119
58120110	CREPES, FILLED WITH MEAT, FISH, OR POULTRY, WITH SAUCE	2003-2004	0.143	0.143	0.000	0.000	0.000	0.143	0.000	0.000	0.143
58120110	CREPES, FILLED WITH MEAT, FISH, OR POULTRY, WITH SAUCE	2005-2006; 2007-2008; 2009-2010	0.143	0.143	0.000	0.000	0.000	0.143	0.000	0.000	0.143
58128210	DRESSING WITH OYSTERS	2003-2004; 2005-2006; 2007-2008	0.328	0.000	0.328	0.000	0.000	0.328	0.328	0.000	0.000
58128210	DRESSING WITH OYSTERS	2009-2010	0.315	0.000	0.315	0.000	0.000	0.315	0.315	0.000	0.000
58132800	SPAGHETTI WITH CLAM SAUCE, NS AS TO RED OR WHITE	2003-2004	0.394	0.331	0.063	0.000	0.394	0.000	0.394	0.000	0.000
58132800	SPAGHETTI WITH CLAM SAUCE, NS AS TO RED OR WHITE	2005-2006	0.197	0.166	0.032	0.000	0.197	0.000	0.197	0.000	0.000
58132800	SPAGHETTI WITH CLAM SAUCE, NS AS TO RED OR WHITE	2007-2008	0.187	0.157	0.030	0.000	0.187	0.000	0.187	0.000	0.000

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe							Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish				
58132800	SPAGHETTI WITH CLAM SAUCE, NS AS TO RED OR WHITE	2009-2010	0.187	0.157	0.030	0.000	0.187	0.000	0.187	0.000	0.000	
58132810	SPAGHETTI WITH RED CLAM SAUCE	2003-2004; 2005-2006	0.131	0.110	0.021	0.000	0.131	0.000	0.131	0.000	0.000	
58132810	SPAGHETTI WITH RED CLAM SAUCE	2007-2008	0.314	0.264	0.050	0.000	0.314	0.000	0.314	0.000	0.000	
58132810	SPAGHETTI WITH RED CLAM SAUCE	2009-2010	0.314	0.264	0.050	0.000	0.314	0.000	0.314	0.000	0.000	
58132820	SPAGHETTI WITH WHITE CLAM SAUCE	2003-2004	0.394	0.331	0.063	0.000	0.394	0.000	0.394	0.000	0.000	
58132820	SPAGHETTI WITH WHITE CLAM SAUCE	2005-2006	0.197	0.166	0.032	0.000	0.197	0.000	0.197	0.000	0.000	
58132820	SPAGHETTI WITH WHITE CLAM SAUCE	2007-2008	0.187	0.157	0.030	0.000	0.187	0.000	0.187	0.000	0.000	
58132820	SPAGHETTI WITH WHITE CLAM SAUCE	2009-2010	0.187	0.157	0.030	0.000	0.187	0.000	0.187	0.000	0.000	
58136130	LO MEIN, WITH SHRIMP	2003-2004; 2005-2006	0.148	0.026	0.122	0.000	0.148	0.000	0.074	0.074	0.000	
58136130	LO MEIN, WITH SHRIMP	2007-2008	0.148	0.026	0.122	0.000	0.148	0.000	0.074	0.074	0.000	
58136130	LO MEIN, WITH SHRIMP	2009-2010	0.107	0.019	0.089	0.000	0.107	0.000	0.054	0.054	0.000	
58137210	PAD THAI, NFS	2005-2006; 2007-2008	0.116	0.020	0.095	0.000	0.116	0.000	0.058	0.058	0.000	
58137210	PAD THAI, NFS	2009-2010	0.072	0.013	0.059	0.000	0.072	0.000	0.036	0.036	0.000	
58137240	PAD THAI WITH SEAFOOD	2005-2006	0.284	0.050	0.234	0.000	0.284	0.000	0.142	0.142	0.000	
58137240	PAD THAI WITH SEAFOOD	2007-2008	0.284	0.050	0.234	0.000	0.284	0.000	0.142	0.142	0.000	
58137240	PAD THAI WITH SEAFOOD	2009-2010	0.216	0.038	0.178	0.000	0.216	0.000	0.108	0.108	0.000	

Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
58145120	MACARONI OR NOODLES WITH CHEESE AND TUNA	2003-2004; 2005-2006; 2007-2008	0.228	0.228	0.000	0.000	0.000	0.228	0.000	0.000	0.228
58145120	MACARONI OR NOODLES WITH CHEESE AND TUNA	2009-2010	0.301	0.301	0.000	0.000	0.000	0.301	0.000	0.000	0.301
58147340	MACARONI, CREAMED, WITH CHEESE AND TUNA	2009-2010	0.289	0.289	0.000	0.000	0.000	0.289	0.000	0.000	0.289
58148130	MACARONI OR PASTA SALAD WITH TUNA	All	0.203	0.203	0.000	0.000	0.000	0.203	0.000	0.000	0.203
58148140	MACARONI OR PASTA SALAD WITH CRAB MEAT	All	0.172	0.047	0.125	0.000	0.172	0.000	0.000	0.172	0.000
58148150	MACARONI OR PASTA SALAD WITH SHRIMP	All	0.173	0.030	0.142	0.000	0.173	0.000	0.086	0.086	0.000
58148160	MACARONI OR PASTA SALAD WITH TUNA AND EGG	All	0.225	0.225	0.000	0.000	0.000	0.225	0.000	0.000	0.225
58150510	RICE, FRIED, WITH SHRIMP	2003-2004; 2005-2006; 2007-2008	0.084	0.015	0.069	0.000	0.084	0.000	0.042	0.042	0.000
58150510	RICE, FRIED, WITH SHRIMP	2009-2010	0.190	0.033	0.156	0.000	0.190	0.000	0.095	0.095	0.000
58151100	SUSHI, NFS	2003-2004	0.084	0.066	0.019	0.000	0.000	0.084	0.000	0.000	0.084
58151100	SUSHI, NFS	2005-2006; 2007-2008; 2009-2010	0.089	0.070	0.020	0.000	0.000	0.089	0.000	0.000	0.089
58151130	SUSHI, WITH VEGETABLES AND SEAFOOD	2003-2004	0.125	0.109	0.016	0.000	0.000	0.125	0.000	0.063	0.063
58151130	SUSHI, WITH VEGETABLES AND SEAFOOD	2005-2006; 2007-2008; 2009-2010	0.152	0.132	0.020	0.000	0.000	0.152	0.000	0.076	0.076



Table B-4. Fish-containing food codes in NHANES data and grams of raw fish, edible portion in 1 gram of final prepared recipe (continued)

Food code	Main food description	Years	Grams Raw Fish per Gram of Final Prepared Recipe								
			All Fish	Marine Fish	Estuarine Fish	Fresh-water Fish	Shellfish	Finfish	Trophic Level 2 Fish	Trophic Level 3 Fish	Trophic Level 4 Fish
58151150	SUSHI, WITH SEAFOOD, NO VEGETABLES	2007-2008; 2009-2010	0.158	0.137	0.020	0.000	0.000	0.158	0.000	0.079	0.079
58155320	SEAFOOD PAELLA, PUERTO RICAN STYLE (PAELLA A LA MARINERA)	2003-2004	0.653	0.281	0.372	0.000	0.491	0.162	0.207	0.284	0.162
58155320	SEAFOOD PAELLA, PUERTO RICAN STYLE (PAELLA A LA MARINERA)	2005-2006; 2007-2008; 2009-2010	0.325	0.096	0.230	0.000	0.282	0.043	0.109	0.173	0.043
58304400	LINGUINI WITH VEGETABLES AND SEAFOOD IN WHITE WINE SAUCE (DIET FROZEN MEAL)	All	0.320	0.134	0.185	0.000	0.320	0.000	0.320	0.000	0.000
58407050	INSTANT SOUP, NOODLE WITH EGG, SHRIMP OR CHICKEN	2003-2004; 2005-2006; 2007-2008	0.013	0.002	0.011	0.000	0.013	0.000	0.007	0.007	0.000
58407050	INSTANT SOUP, NOODLE WITH EGG, SHRIMP OR CHICKEN	2009-2010	0.014	0.002	0.011	0.000	0.014	0.000	0.007	0.007	0.000
58409000	NOODLE SOUP, WITH FISH BALL, SHRIMP, AND DARK GREEN LEAFY VEGETABLE	All	0.116	0.089	0.027	0.000	0.033	0.083	0.016	0.058	0.042
72116140	CAESAR SALAD (WITH ROMAINE)	All	0.051	0.000	0.051	0.000	0.000	0.051	0.025	0.025	0.000
75146000	GREEK SALAD	All	0.042	0.000	0.042	0.000	0.000	0.042	0.021	0.021	0.000