

SUBJECT: National Estimates of Fish Consumption by Individuals - Combined CSFII Data

FROM: Helen Jacobs *WJ*

TO: Jeff Bigler

DATE: March 20, 1995

In response to your request, attached are tables of preliminary estimates of per capita consumption of fish generated from the combined USDA's 1989, 1990, and 1991 Continuing Survey of Food Intakes by Individuals (CSFII.)

The tabulated point and interval estimates include: the mean, median, 90th, 95th and 99th percentile average daily per capita consumption in grams. Interval estimates for the percentiles were generated using Efron's percentile bootstrap technique. Estimates provided are for freshwater fish, marine/estuarine fish, and all fish.

Table numbers and the subset of estimates reported in each table are listed below:

Table Number	POPULATION SUBSET
1	Finfish, U.S. Population
2	Shellfish, U.S. Population
3	Finfish and Shellfish, U.S. Population

cc: Kahn
Patel

TABLE 1. AVERAGE DAILY PER CAPITA ESTIMATES OF FISH CONSUMPTION**Finfish, U.S. Population**

Grams/person/day				
Habitat	Statistic	Estimate	90% Interval*	
			Lower Bound	Upper Bound
Freshwater	Mean	2.25	1.75	2.75
	50th %	0.00	0.00	0.00
	90th %	0.00	0.00	0.00
	95th %	5.49	5.04	6.72
	99th %	63.35	54.00	76.00
Marine/Estuarine	Mean	12.86	11.79	13.92
	50th %	0.00	0.00	0.00
	90th %	47.04	45.33	49.67
	95th %	73.86	70.00	74.67
	99th %	130.56	122.67	143.33
All Fish	Mean	15.11	13.95	16.26
	50th %	0.00	0.00	0.00
	90th %	55.50	53.33	56.00
	95th %	80.31	77.00	84.00
	99th %	143.13	132.39	158.00

* Percentile intervals were estimated using the percentile bootstrap method with 1,000 bootstrap replications.

Notes: Estimates are projected from a sample of 11,912 individuals to the U.S. population using 3 years combined survey weights. The U.S. population for this survey consisted of 242,707,000 individuals in the 48 conterminous states.

Source of individual consumption data: Combined 1989, 1990, and 1991 USDA Continuing Survey of Food Intakes by Individuals (CSFII).

TABLE 2. AVERAGE DAILY PER CAPITA ESTIMATES OF FISH CONSUMPTION**Shellfish, U.S. Population**

Grams/person/day				
Habitat	Statistic	Estimate	90% Interval*	
			Lower Bound	Upper Bound
Freshwater	Mean	0.00	0.00	0.01
	50th %	0.00	0.00	0.00
	90th %	0.00	0.00	0.00
	95th %	0.00	0.00	0.00
	99th %	0.00	0.00	0.00
Marine/Estuarine	Mean	4.53	3.90	5.16
	50th %	0.00	0.00	0.00
	90th %	0.00	0.00	0.00
	95th %	36.99	30.50	40.00
	99th %	94.78	86.00	100.00
All Fish	Mean	4.53	3.90	5.16
	50th %	0.00	0.00	0.00
	90th %	0.00	0.00	0.00
	95th %	36.99	30.50	40.00
	99th %	94.78	86.00	100.00

* Percentile intervals were estimated using the percentile bootstrap method with 1,000 bootstrap replications.

Notes: Estimates are projected from a sample of 11,912 individuals to the U.S. population using 3 years combined survey weights. The U.S. population for this survey consisted of 242,707,000 individuals in the 48 conterminous states.

Source of individual consumption data: Combined 1989, 1990, and 1991 USDA Continuing Survey of Food Intakes by Individuals (CSFII).

TABLE 3. AVERAGE DAILY PER CAPITA ESTIMATES OF FISH CONSUMPTION**Finfish and Shellfish, U.S. Population**

Grams/person/day				
Habitat	Statistic	Estimate	90% Interval*	
			Lower Bound	Upper Bound
Freshwater	Mean	2.25	1.75	2.75
	50th %	0.00	0.00	0.00
	90th %	0.00	0.00	0.00
	95th %	5.52	5.04	6.72
	99th %	63.35	54.00	76.00
Marine/Estuarine	Mean	17.39	16.11	18.66
	50th %	0.00	0.00	0.00
	90th %	60.57	57.13	64.00
	95th %	86.79	84.20	93.00
	99th %	164.74	151.33	172.00
All Fish	Mean	19.64	18.31	20.97
	50th %	0.00	0.00	0.00
	90th %	65.93	64.00	70.18
	95th %	95.89	92.33	101.00
	99th %	173.00	166.67	188.00

* Percentile intervals were estimated using the percentile bootstrap method with 1,000 bootstrap replications.

Notes: Estimates are projected from a sample of 11,912 individuals to the U.S. population using 3 years combined survey weights. The U.S. population for this survey consisted of 242,707,000 individuals in the 48 conterminous states.

Source of individual consumption data: Combined 1989, 1990, and 1991 USDA Continuing Survey of Food Intakes by Individuals (CSFII).