

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

**Appendix G**

**Unweighted Sample Sizes**

**Table G-1. Unweighted number of NHANES respondents reporting fish consumption on either 24-hour recall, by fish type**

	N	Total fish	Total finfish	Total shellfish	Freshwater	Marine	Estuarine	FW+Est	Marine+ Est	Marine+ FW	Trophic Level 2	Trophic Level 3	Trophic Level 4	FW+Est TL2	FW+Est TL3	FW+Est TL4	Marine TL2	Marine TL3	Marine TL4
<b>Total</b>	29,463	6,891	5,095	2,612	2,173	6,286	4,750	4,868	6,783	6,798	2,706	4,464	4,578	2,706	3,516	2,341	2,325	4,195	4,211
<b>Gender</b>																			
Female	15,694	3,807	2,792	1,448	1,145	3,495	2,616	2,667	3,759	3,760	1,495	2,435	2,521	1,495	1,937	1,250	1,291	2,305	2,341
Male	13,769	3,084	2,303	1,164	1,028	2,791	2,134	2,201	3,024	3,038	1,211	2,029	2,057	1,211	1,579	1,091	1,034	1,890	1,870
<b>Age, years</b>																			
1 to <3	2,325	345	269	101	98	305	187	198	334	343	111	209	243	111	130	93	94	194	215
3 to <6	2,185	350	272	106	88	322	196	196	350	346	118	225	246	118	135	88	99	211	229
6 to <11	2,705	454	351	137	111	416	258	264	449	447	143	286	315	143	188	116	118	271	297
11 to <16	2,806	445	301	179	120	402	302	310	437	439	180	296	273	180	227	130	155	280	252
16 to <18	1,417	252	164	104	65	237	173	177	248	250	98	173	155	98	141	79	95	164	141
18 to <21	1,662	311	209	132	62	294	206	208	309	308	131	209	199	131	173	82	124	199	184
21 to <35	4,381	1,070	723	509	295	992	792	801	1,063	1,051	531	745	651	531	640	332	469	711	612
35 to <50	4,522	1,332	962	546	434	1,221	988	997	1,323	1,309	566	883	848	566	733	469	475	835	796
50 to <65	3,730	1,216	938	454	456	1,101	870	901	1,189	1,208	468	775	842	468	633	480	402	717	757
65 and older	3,730	1,116	906	344	444	996	778	816	1,081	1,097	360	663	806	360	516	472	294	613	728
WCA (13 to 49 years)	7,870	1,919	1,409	768	537	1,785	1,407	1,421	1,906	1,889	839	1,300	1,179	839	1,112	668	749	1,243	1,121
<b>Income</b>																			
<\$20k	6,679	1,374	1,043	470	376	1,256	870	897	1,350	1,358	491	911	936	491	674	425	414	855	855
\$20k to <\$45k	8,955	1,969	1,442	732	620	1,775	1,342	1,382	1,932	1,951	792	1,286	1,263	792	1,011	618	678	1,203	1,136
\$45k to <\$75k	5,561	1,334	1,002	498	457	1,211	935	959	1,313	1,316	511	856	904	511	679	485	441	797	836
\$75k and over	6,288	1,768	1,285	739	578	1,634	1,285	1,308	1,746	1,730	740	1,108	1,176	740	914	652	643	1,049	1,107
>\$20k	825	203	144	81	70	182	150	151	202	200	86	140	126	86	104	68	67	136	120
Ref/DK income	808	164	122	61	54	153	115	118	161	164	57	111	117	57	91	63	53	107	106
Income missing	347	79	57	31	18	75	53	53	79	79	29	52	56	29	43	30	29	48	51
<b>Race/Ethnicity</b>																			
Mexican American	6,868	1,350	937	535	403	1,212	932	949	1,333	1,337	618	886	828	618	703	384	514	848	772
Other Hispanic	2,405	532	390	187	160	490	350	351	531	531	202	329	350	202	249	156	169	315	331
Non-Hispanic white	11,980	2,678	2,000	1,023	769	2,509	1,804	1,854	2,630	2,627	1,006	1,573	1,855	1,006	1,265	913	892	1,509	1,748
Non-Hispanic black	6,734	1,818	1,376	654	644	1,603	1,267	1,308	1,784	1,803	669	1,291	1,188	669	980	671	567	1,158	1,028
Other race	1,476	513	392	213	197	472	397	406	505	500	211	385	357	211	319	217	183	365	332
<b>U.S. Region</b>																			
Midwest	6,445	1,202	867	484	308	1,154	802	805	1,200	1,192	445	733	812	445	592	373	397	716	791
Northeast	4,475	1,235	938	400	381	1,070	759	821	1,178	1,214	431	773	853	431	562	405	372	699	726
South	11,036	2,688	2,003	1,036	897	2,416	1,881	1,925	2,647	2,649	1,087	1,828	1,739	1,087	1,416	918	918	1,690	1,566
West	7,507	1,766	1,287	692	587	1,646	1,308	1,317	1,758	1,743	743	1,130	1,174	743	946	645	638	1,090	1,128
<b>Coastal Status</b>																			
Noncoastal	17,251	3,719	2,813	1,287	1,200	3,377	2,446	2,532	3,638	3,683	1,345	2,363	2,566	1,345	1,812	1,260	1,164	2,207	2,332
Coastal	12,212	3,172	2,282	1,325	973	2,909	2,304	2,336	3,145	3,115	1,361	2,101	2,012	1,361	1,704	1,081	1,161	1,988	1,879
<b>U.S. Coastal/Inland</b>																			
Pacific	3,802	976	720	385	341	900	735	739	972	963	425	621	646	425	514	365	355	599	622
Atlantic	4,646	1,320	939	553	361	1,247	932	938	1,315	1,299	524	865	840	524	679	426	452	842	810
Gulf of Mexico	1,370	361	255	196	118	316	285	292	355	351	203	269	202	203	239	119	177	240	174
Great Lakes	2,394	515	368	191	153	446	352	367	503	502	209	346	324	209	272	171	177	307	273
Inland Northeast	2,584	628	454	248	164	600	408	409	628	623	234	364	420	234	297	174	202	356	413
Inland Midwest	4,137	741	588	213	232	645	416	463	696	733	226	437	547	226	298	240	199	402	470
Inland South	6,825	1,560	1,204	519	558	1,386	1,049	1,082	1,528	1,547	567	1,053	1,071	567	785	566	480	958	943
Inland West	3,705	790	567	307	246	746	573	578	786	780	318	509	528	318	432	280	283	491	506

Table G-2. Unweighted number of NHANES respondents reporting fish consumption on both 24-hour recalls, by fish type

	Total fish	Total finfish	Total shellfish	Fresh-water	Marine	Estuarine	FW+Est	Marine +Est	Marine +FW	Trophic Level 2	Trophic Level 3	Trophic Level 4	FW+Est TL2	FW+Est TL3	FW+Est TL4	Marine TL2	Marine TL3	Marine TL4
<b>Total</b>	892	512	171	125	751	466	490	863	866	172	381	416	172	258	141	131	346	377
<b>Gender</b>																		
Female	454	248	90	64	382	239	253	438	443	87	191	199	87	129	72	68	175	178
Male	438	264	81	61	369	227	237	425	423	85	190	217	85	129	69	63	171	199
<b>Age, years</b>																		
1 to <3	24	15	<10	<10	19	15	15	24	24	<10	14	13	<10	<10	<10	<10	12	11
3 to <6	42	28	<10	<10	31	11	14	39	42	<10	24	22	<10	10	<10	<10	18	17
6 to <11	33	20	<10	<10	30	14	14	33	32	<10	16	17	<10	10	<10	<10	15	16
11 to <16	36	17	<10	<10	32	23	23	36	35	<10	22	15	<10	15	<10	<10	20	12
16 to <18	22	17	<10	<10	19	<10	11	20	22	<10	10	16	<10	<10	<10	<10	<10	13
18 to <21	29	14	<10	<10	26	11	11	29	28	<10	13	15	<10	<10	<10	<10	12	15
21 to <35	152	78	28	20	126	80	83	148	149	28	63	64	28	42	23	20	58	56
35 to <50	194	97	50	24	166	120	126	188	189	53	98	77	53	74	29	42	92	72
50 to <65	184	114	32	23	159	91	92	180	179	28	73	89	28	50	31	21	67	83
65 and older	176	112	26	34	143	92	101	166	166	30	48	88	30	34	33	22	43	82
WCA (13 to 49 years)	223	121	45	30	183	130	138	214	218	53	101	86	53	77	34	40	93	77
<b>Income</b>																		
<\$20k	143	90	17	17	115	59	62	138	133	18	70	75	18	43	22	14	63	62
\$20k to <\$45k	224	135	43	37	173	111	120	213	219	50	91	102	50	57	30	35	80	90
\$45k to <\$75k	189	112	37	27	162	89	98	179	185	37	80	92	37	53	25	29	71	83
\$75k and over	283	145	60	36	256	176	177	282	276	54	114	126	54	87	55	42	108	122
>\$20k	24	15	<10	<10	20	12	13	23	24	<10	11	11	<10	<10	<10	<10	10	10
Ref/DK income	19	11	<10	<10	16	12	12	19	19	<10	<10	<10	<10	<10	<10	<10	<10	<10
Income missing	10	<10	<10	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
<b>Race/Ethnicity</b>																		
Mexican American	94	54	15	11	79	44	45	93	93	22	43	43	22	25	<10	14	42	40
Other Hispanic	67	38	14	<10	56	34	36	65	67	16	28	30	16	19	10	12	27	28
Non-Hispanic white	374	202	73	42	327	195	207	363	358	68	126	178	68	91	60	54	116	170
Non-Hispanic black	250	153	43	50	199	127	132	240	242	40	128	109	40	80	39	31	107	90
Other race	107	65	26	18	90	66	70	102	106	26	56	56	26	43	25	20	54	49
<b>U.S. Region</b>																		
Midwest	187	99	38	24	168	104	106	184	180	34	64	88	34	57	34	27	61	83
Northeast	126	81	19	17	1001	48	57	117	122	22	46	67	22	26	15	16	39	61
South	348	200	75	49	283	183	190	338	337	74	176	153	74	113	48	56	155	134
West	231	132	39	35	199	131	137	224	227	42	95	108	42	68	44	32	91	99
<b>Coastal Status</b>																		
Noncoastal	418	261	64	66	350	192	204	404	407	70	173	215	70	98	74	52	159	195
Coastal	474	251	107	59	401	274	286	459	459	102	208	201	102	160	67	79	187	182
<b>U.S. Coastal/Inland</b>																		
Pacific	146	84	28	22	125	87	91	142	145	29	64	65	29	50	25	21	61	61
Atlantic	200	93	44	22	174	119	120	198	189	41	83	75	41	58	27	29	79	70
Gulf of Mexico	69	36	25	<10	56	44	47	65	68	20	40	29	20	37	<10	20	32	23
Great Lakes	59	38	10	<10	46	24	28	54	57	12	21	32	12	15	<10	<10	15	28
Inland Northeast	89	56	19	12	80	44	44	88	85	17	31	51	17	22	18	13	30	49
Inland Midwest	68	43	<10	10	55	24	30	63	66	10	25	35	10	11	<10	<10	24	33
Inland South	176	114	27	31	141	80	84	171	174	30	86	86	30	47	28	21	75	75
Inland West	85	48	11	13	74	44	46	82	82	13	31	43	13	18	19	11	30	38