

# Appendix D

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**Table D-1—Percent of income-eligible school-age children receiving benefits from the Food Stamp Program**

	All children			Lowest income: ≤ 130% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>						
5-10 years .....	3,440	19.2	1.7	1,816	55.9	3.3
11-13 years .....	1,406	15.9	1.4	724	51.0	4.4
14-18 years .....	1,525	15.3	1.8	750	50.2	4.3
Total, age-adjusted ...	6,371	17.1	1.4	3,290	52.8	3.2
<b>Male</b>						
5-10 years .....	1,740	17.6	2.0	895	55.6	4.1
11-13 years .....	674	14.3	2.1	344	48.2	6.4
14-18 years .....	713	15.0	2.2	356	51.5	5.9
Total, age-adjusted ...	3,127	16.0	1.6	1,595	52.6	4.3
<b>Female</b>						
5-10 years .....	1,700	20.9	2.0	921	56.2	3.6
11-13 years .....	732	17.5	1.8	380	53.6	4.9
14-18 years .....	812	15.5	2.5	394	49.0	5.5
Total, age-adjusted ...	3,244	18.2	1.6	1,695	53.1	3.2

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-2—Percent of 5-16-year-old children attending school that participates in the National School Lunch Program**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,568	90.5	1.3	1,757	95.4	1.2	425	91.8	2.9	1,167	» 87.6	2.1
11-13 years .....	1,501	93.7	1.2	723	97.0 *	2.2	172	94.7 *	3.1	509	91.7	1.8
14-16 years .....	1,247	96.7	0.7	560	97.7 *	1.0	149	97.8 *	1.6	454	95.6 *	1.3
Total, age adjusted ...	6,316	92.8	0.9	3,040	96.4	1.1	746	94.0	2.1	2,130	» 90.6	1.3
<b>Male</b>												
5-10 years .....	1,808	90.5	1.2	861	92.4	2.2	205	96.3 *	1.7	623	88.6	2.0
11-13 years .....	717	92.8	2.0	343	93.7 *	4.3	89	99.0 *	1.0	241	91.1 *	3.0
14-16 years .....	577	96.8 *	1.1	265	97.6 *	0.7	71	96.6 *	3.0	197	96.1 *	2.0
Total, age adjusted ...	3,102	92.6	1.0	1,469	94.0	2.0	365	97.1 *	1.2	1,061	91.1	1.5
<b>Female</b>												
5-10 years .....	1,760	90.4	1.8	896	98.2 *	0.5	220	» 87.8 *	5.2	544	»» 86.2	2.7
11-13 years .....	784	94.6	1.5	380	100.0	0.0	83	89.6 *	6.5	268	» 92.3 *	2.7
14-16 years .....	670	96.6 *	0.9	295	97.9 *	1.6	78	99.3 *	0.7	257	95.1 *	1.6
Total, age adjusted ...	3,214	93.0	1.1	1,571	98.6 *	0.5	381	91.1	4.0	1,069	»» 89.9	1.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview files. The 'All Children' column includes children with missing income.

**Table D-3—Percent of 5-16-year-old children usually eating school lunch 5 days per week**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,568	53.3	2.2	1,757	78.3	2.6	425	***55.5	4.8	1,167	***37.4	3.1
11-13 years .....	1,501	57.3	2.6	723	78.7	3.7	172	76.4	4.9	509	***41.7	3.4
14-16 years .....	1,247	52.6	2.8	560	59.4	4.3	149	68.5	5.8	454	746.3	3.7
Total, age adjusted ...	6,316	54.1	2.0	3,040	73.7	2.6	746	763.9	3.6	2,130	7740.6	2.5
<b>Male</b>												
5-10 years .....	1,808	52.8	2.4	861	74.7	3.3	205	762.2	4.5	623	7739.7	3.2
11-13 years .....	717	63.8	3.0	343	78.2	5.4	89	80.9 *	5.3	241	7752.5	4.4
14-16 years .....	577	62.2	3.0	265	66.1	5.2	71	79.0 *	6.8	197	58.9	5.2
Total, age adjusted ...	3,102	57.8	1.9	1,469	73.5	3.1	365	71.0	3.1	1,061	7747.6	2.7
<b>Female</b>												
5-10 years .....	1,760	53.8	2.7	896	81.6	2.6	220	7749.5	6.8	544	7734.5	4.0
11-13 years .....	784	50.7	3.7	380	79.0	4.0	83	70.9 *	8.6	268	7730.3	4.4
14-16 years .....	670	43.4	3.9	295	53.1	6.2	78	56.9 *	10.7	257	735.2	5.2
Total, age adjusted ...	3,214	50.5	2.3	1,571	74.0	2.9	381	756.6	5.8	1,069	7733.6	3.2

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview files. The 'All Children' column includes children with missing income.

**Table D-4—Percent of 5-16-year-old children attending school that participates in the School Breakfast Program**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,551	50.8	3.0	1,752	68.0	3.6	424	› 54.4	5.7	1,156	››› 39.4	3.3
11-13 years .....	1,487	52.8	2.8	719	70.3	4.8	171	64.3	4.6	500	››› 40.8	3.3
14-16 years .....	1,213	48.8	2.5	554	58.5	4.8	142	64.2	5.3	435	›› 41.8	3.2
Total, age adjusted ...	6,251	50.8	2.3	3,025	66.2	3.2	737	59.3	3.5	2,091	››› 40.4	2.6
<b>Male</b>												
5-10 years .....	1,804	47.4	3.0	863	67.0	4.3	204	55.9	5.9	617	››› 35.9	3.8
11-13 years .....	712	54.8	3.5	342	72.0	7.8	88	69.1 *	8.1	238	››› 43.5	3.5
14-16 years .....	565	53.4	3.6	262	58.2 *	6.6	66	68.6 *	6.4	194	50.0	4.8
Total, age adjusted ...	3,081	50.7	2.7	1,467	66.1	4.8	358	62.3	4.4	1,049	››› 41.3	3.0
<b>Female</b>												
5-10 years .....	1,747	54.4	3.4	889	69.0	4.0	220	› 53.1	7.2	539	››› 43.9	3.8
11-13 years .....	775	50.6	3.1	377	68.7	4.9	83	58.5 *	6.5	262	››› 37.9	4.5
14-16 years .....	648	44.2	3.3	292	58.8	6.1	76	59.8 *	9.5	241	››› 34.0	4.3
Total, age adjusted ...	3,170	51.0	2.4	1,558	66.4	2.8	379	› 56.1	4.5	1,042	››› 40.0	2.8

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by › (.05 level), ›› (.01 level), or ››› (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview files. The 'All Children' column includes children with missing income.

**Table D-5—Percent of 5-16-year-old children usually eating school breakfast 5 days per week**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,551	16.0	1.5	1,752	37.1	2.7	424	***11.4	2.3	1,156	***3.9	0.9
11-13 years .....	1,487	11.6	1.4	719	28.0	3.4	171	> 13.8	4.8	500	***2.1 *	0.8
14-16 years .....	1,213	7.6	1.2	554	16.4	2.4	142	>> 5.5 *	2.5	435	***3.2 *	1.5
Total, age adjusted ...	6,251	12.9	1.0	3,025	29.8	2.0	737	***10.5	1.7	2,091	***3.3	0.7
<b>Male</b>												
5-10 years .....	1,804	14.2	1.5	863	36.0	3.2	204	***11.2	2.9	617	***3.0 *	0.9
11-13 years .....	712	13.6	1.8	342	35.6	5.1	88	>> 14.0 *	4.1	238	***2.7 *	1.0
14-16 years .....	565	9.6	2.1	262	17.2	4.0	66	>> 6.4 *	4.1	194	> 6.2 *	2.9
Total, age adjusted ...	3,081	12.9	1.3	1,467	31.3	2.9	358	***10.7	2.3	1,049	***3.7	0.9
<b>Female</b>												
5-10 years .....	1,747	18.0	2.1	889	38.2	4.1	220	***11.6	2.4	539	***5.2	1.5
11-13 years .....	775	9.5	1.7	377	20.8	3.6	83	>> 13.5 *	7.7	262	***1.6 *	0.8
14-16 years .....	648	5.7	1.0	292	15.7	2.8	76	>> 4.6 *	2.7	241	***0.3 *	0.2
Total, age adjusted ...	3,170	12.8	1.1	1,558	28.3	2.1	379	***10.4	2.0	1,042	***3.1	0.8

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview files. The 'All Children' column includes children with missing income.



**Table D-6—Distribution of school-age children by household food sufficiency status**

	All children				Lowest income: ≤ 130% poverty				Low-income: 131-185% poverty				Higher-income: > 185% poverty			
	Sample size	Enough food to eat	Sometimes not enough	Often not enough	Sample size	Enough food to eat	Sometimes not enough	Often not enough	Sample size	Enough food to eat	Sometimes not enough	Often not enough	Sample size	Enough food to eat	Sometimes not enough	Often not enough
<b>Both sexes</b>																
5-10 years .....	3,658	94.3	5.1	0.6	1,817	85.9	12.7	1.4	436	94.6	4.7	0.7	1,194	99.6	0.4	0.0
11-13 years .....	1,500	94.1	5.1	0.8	724	83.7	13.8	2.6	172	93.7	6.2	0.1	510	99.8	0.2	> 0.0
14-18 years .....	1,645	94.0	5.3	0.6	750	84.1	14.4	1.5	198	90.7	7.7	1.6	579	99.9	0.1	> 0.0
Total, age adjusted ...	6,803	94.2	5.2	0.6	3,291	84.8	13.5	1.7	806	93.0	6.1	0.9	2,283	99.8	0.2	>> 0.0
<b>Male</b>																
5-10 years .....	1,860	94.8	4.8	0.4	896	85.9	13.1	1.0	213	96.3	2.6	1.1	637	99.4	0.6	0.0
11-13 years .....	716	93.4	5.9	0.8	344	80.8	16.5	2.7	89	91.7	8.3	0.0	241	99.8	0.2	0.0
14-18 years .....	781	93.8	5.7	0.5	356	81.2	17.7	1.1	94	93.8	4.4	1.8	265	99.8	0.2	0.0
Total, age adjusted ...	3,357	94.2	5.3	0.5	1,596	83.2	15.5	1.4	396	94.4	4.5	1.1	1,143	99.6	0.4	> 0.0
<b>Female</b>																
5-10 years .....	1,798	93.8	5.5	0.7	921	85.9	12.2	1.9	223	93.0	6.7	0.3	557	99.8	0.2	0.0
11-13 years .....	784	94.9	4.3	0.8	380	86.4	11.2	2.4	83	96.2	3.5	0.3	269	99.8	0.2	0.0
14-18 years .....	864	94.3	5.0	0.7	394	86.6	11.5	1.9	104	87.7	11.0	1.3	314	100.0	0.0	0.0
Total, age adjusted ...	3,446	94.2	5.1	0.7	1,695	86.2	11.8	2.0	410	91.8	7.6	0.6	1,140	99.9	0.1	0.0
<b>Standard errors</b>																
<b>Both sexes</b>																
5-10 years .....	3,658	0.7	0.7	0.2	1,817	1.9	1.8	0.7	436	2.8	2.5	0.4	1,194	0.2	0.2	0.0
11-13 years .....	1,500	0.8	0.8	0.3	724	2.4	2.2	1.0	172	2.6	2.6	0.1	510	0.1	0.1	0.0
14-18 years .....	1,645	1.1	1.1	0.3	750	3.3	3.2	0.6	198	4.0	4.0	1.6	579	0.1	0.1	0.0
Total, age adjusted ...	6,803	0.6	0.6	0.2	3,291	1.7	1.6	0.6	806	2.5	2.4	0.6	2,283	0.1	0.1	0.0
<b>Male</b>																
5-10 years .....	1,860	0.6	0.6	0.2	896	2.1	2.1	0.6	213	1.4	1.1	0.8	637	0.3	0.3	0.0
11-13 years .....	716	1.4	1.4	0.4	344	4.3	4.3	1.3	89	4.4	4.4	0.0	241	0.1	0.1	0.0
14-18 years .....	781	1.4	1.3	0.3	356	4.4	4.3	0.5	94	3.3	2.8	1.8	265	0.2	0.2	0.0
Total, age adjusted ...	3,357	0.7	0.7	0.2	1,596	2.4	2.4	0.6	396	2.2	2.1	0.8	1,143	0.2	0.2	0.0
<b>Female</b>																
5-10 years .....	1,798	1.1	1.1	0.4	921	2.6	2.3	1.2	223	4.5	4.6	0.2	557	0.1	0.1	0.0
11-13 years .....	784	0.8	0.7	0.4	380	2.2	1.7	1.4	83	1.6	1.6	0.3	269	0.2	0.2	0.0
14-18 years .....	864	1.1	1.1	0.3	394	2.8	2.6	0.9	104	5.2	5.4	1.3	314	0.0	0.0	0.0
Total, age adjusted ...	3,446	0.8	0.7	0.3	1,695	1.6	1.3	0.9	410	3.1	3.2	0.5	1,140	>0	>0	0.0

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences, compared to lowest income group, are noted by > (.05 level), >> (.01 level), or >>> (.001 level). The Bonferroni adjustment was used to adjust for the multiplicity of tests when examining multiple outcome categories.  
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Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-7—Percent of school-age children eating fewer than three meals per day**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,260	19.6	1.12	1,644	22.2	1.96	397	21.1	4.05	1,034	» 16.8	1.68
11-13 years .....	1,375	39.2	1.95	673	46.2	3.64	161	41.4	5.45	459	» 34.1	2.89
14-18 years .....	1,511	55.2	2.58	711	56.0	3.86	186	56.8	6.26	510	» 55.2	3.37
Total, age adjusted ...	6,146	36.4	1.28	3,028	39.2	1.73	744	38.1	3.35	2,003	»» 34.1	1.42
<b>Male</b>												
5-10 years .....	1,638	20.1	1.39	808	24.2	2.85	191	22.7	4.61	543	» 16.2	2.20
11-13 years .....	658	40.5	2.86	319	45.7	6.10	83	51.0	8.65	221	» 34.4	4.73
14-18 years .....	717	53.4	2.94	333	50.3	4.47	88	62.2	6.67	234	» 54.2	4.75
Total, age adjusted ...	3,013	36.2	1.50	1,460	38.0	2.70	362	42.7	3.57	998	» 33.6	2.22
<b>Female</b>												
5-10 years .....	1,622	19.2	1.42	836	20.2	2.45	206	19.7	6.49	491	» 17.4	1.91
11-13 years .....	717	37.7	2.51	354	46.6	3.93	78	» 28.8	7.64	238	» 33.8	3.63
14-18 years .....	794	57.0	3.66	378	60.8	5.22	98	51.6	8.19	276	» 56.2	4.49
Total, age adjusted ...	3,133	36.5	1.81	1,568	40.2	2.45	382	33.0	4.49	1,005	» 34.6	2.02

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Exam file, 24-hour dietary recall. The 'All Children' column includes children with missing income.

**Table D-8—Average number of meals consumed per day by school-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,260	2.8	0.02	1,644	2.8	0.02	397	2.8	0.06	1,034	› 2.9	0.02
11-13 years .....	1,375	2.6	0.03	673	2.4	0.05	161	2.5	0.07	459	›› 2.7	0.04
14-18 years .....	1,511	2.3	0.05	711	2.3	0.07	186	2.3	0.11	510	2.4	0.06
Total, age adjusted ...	6,146	2.6	0.02	3,028	2.6	0.03	744	2.6	0.05	2,003	››› 2.7	0.02
<b>Male</b>												
5-10 years .....	1,638	2.8	0.02	808	2.8	0.04	191	2.7	0.08	543	2.9	0.04
11-13 years .....	658	2.6	0.05	319	2.4	0.09	83	2.4	0.10	221	› 2.7	0.07
14-18 years .....	717	2.3	0.06	333	2.3	0.10	88	2.1	0.12	234	2.4	0.07
Total, age adjusted ...	3,013	2.6	0.03	1,460	2.5	0.05	362	2.4	0.05	998	› 2.7	0.03
<b>Female</b>												
5-10 years .....	1,622	2.8	0.02	836	2.8	0.03	206	2.9	0.09	491	2.9	0.02
11-13 years .....	717	2.6	0.04	354	2.4	0.06	78	› 2.7	0.08	238	›› 2.7	0.05
14-18 years .....	794	2.4	0.06	378	2.3	0.07	98	2.4	0.14	276	2.4	0.07
Total, age adjusted ...	3,133	2.6	0.03	1,568	2.6	0.04	382	2.7	0.07	1,005	› 2.6	0.03

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by › (.05 level), ›› (.01 level), or ››› (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Exam file, 24-hour dietary recall. The 'All Children' column includes children with missing income.

**Table D-9—Percent of school-age children who eat breakfast every day**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,669	87.2	1.0	1,815	85.5	1.9	436	82.7	3.4	1,194	89.3	1.5
11-13 years .....	1,496	27.0	1.9	720	21.4	2.5	171	29.5	4.6	508	>> 30.6	2.6
14-18 years .....	1,650	8.0	1.0	750	7.0	1.2	198	7.7 *	2.5	579	8.1	1.6
Total, age adjusted ...	6,815	46.4	0.9	3,285	44.0	1.0	805	44.8	2.3	2,281	>> 48.1	1.2
<b>Male</b>												
5-10 years .....	1,867	89.1	1.4	895	86.8	2.2	213	85.6	3.7	637	91.0	1.7
11-13 years .....	713	26.2	1.9	342	22.3	3.8	88	26.7	5.4	239	29.2	3.0
14-18 years .....	784	10.0	1.8	356	7.6 *	1.7	94	4.5 *	3.0	265	11.8	2.9
Total, age adjusted ...	3,364	47.7	1.1	1,593	45.0	1.3	395	44.3	2.2	1,141	>> 49.8	1.4
<b>Female</b>												
5-10 years .....	1,802	85.2	1.4	920	84.2	2.7	223	80.1	5.2	557	87.2	2.2
11-13 years .....	783	27.9	3.0	378	20.5	3.4	83	32.9	7.4	269	> 32.1	4.5
14-18 years .....	866	6.1	1.1	394	6.4 *	1.4	104	11.0 *	3.9	314	4.5 *	1.5
Total, age adjusted ...	3,451	45.0	1.1	1,692	43.1	1.5	410	45.6	3.4	1,140	46.2	1.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-10—Percent of school-age children eating at least one snack per day**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,260	89.7	1.2	1,644	90.0	1.4	397	90.0	2.3	1,034	90.0	1.8
11-13 years .....	1,375	89.2	1.3	673	87.1	1.9	161	86.4	3.0	459	91.3	1.6
14-18 years .....	1,511	89.1	1.3	711	87.3	1.8	186	90.0	3.1	510	90.2	1.9
Total, age adjusted ...	6,146	89.4	0.8	3,028	88.4	1.0	744	89.2	1.6	2,003	90.3	1.1
<b>Male</b>												
5-10 years .....	1,638	91.6	1.2	808	92.4	1.1	191	89.4	3.4	543	92.4	1.6
11-13 years .....	658	88.3	2.0	319	82.8	3.1	83	85.6 *	4.6	221	90.9	2.6
14-18 years .....	717	88.5	1.9	333	85.2	3.3	88	94.3 *	3.4	234	88.9	2.8
Total, age adjusted ...	3,013	89.8	0.8	1,460	87.8	1.3	362	90.3	2.3	998	90.8	1.1
<b>Female</b>												
5-10 years .....	1,622	87.7	1.9	836	87.7	2.4	206	90.5	3.1	491	86.9	3.2
11-13 years .....	717	90.2	1.3	354	91.0	2.1	78	87.4 *	4.6	238	91.7	2.2
14-18 years .....	794	89.8	1.4	378	89.2	1.5	98	85.8 *	4.5	276	91.5	2.5
Total, age adjusted ...	3,133	88.9	1.0	1,568	88.9	1.4	382	88.2	2.1	1,005	89.6	1.8

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Exam file, 24-hour dietary recall. The 'All Children' column includes children with missing income.

**Table D-11—Average number of snacks consumed per day by school-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,260	2.0	0.06	1,644	2.0	0.11	397	2.0	0.11	1,034	2.0	0.08
11-13 years .....	1,375	2.1	0.09	673	2.0	0.12	161	2.4	0.43	459	2.0	0.10
14-18 years .....	1,511	2.0	0.06	711	1.9	0.12	186	2.1	0.14	510	2.0	0.07
Total, age adjusted ...	6,146	2.0	0.04	3,028	2.0	0.07	744	2.1	0.13	2,003	2.0	0.04
<b>Male</b>												
5-10 years .....	1,638	2.1	0.08	808	2.0	0.13	191	2.2	0.20	543	2.1	0.09
11-13 years .....	658	2.1	0.14	319	1.8	0.17	83	2.8 *	0.73	221	2.0	0.14
14-18 years .....	717	2.0	0.09	333	1.9	0.13	88	2.3 *	0.24	234	2.0	0.14
Total, age adjusted ...	3,013	2.0	0.06	1,460	1.9	0.08	362	2.4 *	0.23	998	2.1	0.06
<b>Female</b>												
5-10 years .....	1,622	1.9	0.07	836	1.9	0.11	206	1.9	0.13	491	1.9	0.09
11-13 years .....	717	2.1	0.09	354	2.2	0.15	78	1.9 *	0.19	238	2.1	0.14
14-18 years .....	794	2.0	0.06	378	2.0	0.17	98	1.8	0.15	276	2.1	0.08
Total, age adjusted ...	3,133	2.0	0.04	1,568	2.0	0.08	382	1.9	0.10	1,005	2.0	0.06

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Exam file, 24-hour dietary recall. The 'All Children' column includes children with missing income.

**Table D-12—Mean usual intake of food energy in kilocalories: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	1,840	10.5	1,118	1,896	18.8	270	>> 1,806	25.5	673	>> 1,816	19.8
9-13 years old .....	2,448	2,162	20.3	1,199	2,089	22.8	288	2,205	76.9	820	>> 2,206	29.4
14-18 years old .....	1,513	2,386	31.2	712	2,395	49.1	186	2,391	97.4	510	2,353	45.7
Total, age adjusted ...	6,148	2,152	14.2	3,029	2,143	22.8	744	2,160	41.5	2,003	2,155	17.9
<b>Male</b>												
5-8 years old .....	1,084	1,974	19.2	535	2,046	22.7	130	>>> 1,876	37.0	356	> 1,967	30.2
9-13 years old .....	1,212	2,397	35.0	592	2,264	34.4	144	> 2,555	135.4	408	>>> 2,466	50.3
14-18 years old .....	718	2,839	49.0	334	2,707	80.2	88	> 3,008	127.3	234	2,888	68.0
Total, age adjusted ...	3,014	2,432	23.2	1,461	2,358	34.2	362	> 2,522	64.3	998	> 2,471	28.5
<b>Female</b>												
5-8 years old .....	1,103	1,686	10.9	583	1,752	23.8	140	1,743	39.0	317	>>> 1,602	26.7
9-13 years old .....	1,236	1,921	22.1	607	1,920	30.0	144	1,864	159.6	412	1,928	30.7
14-18 years old .....	795	1,937	30.0	378	2,126	54.8	98	>>> 1,790	71.3	276	>>> 1,846	39.0
Total, age adjusted ...	3,134	1,859	13.4	1,568	1,946	26.8	382	>>> 1,804	31.4	1,005	>>> 1,807	19.5

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFI)*.

'All Children' includes children with missing income.

**Table D-13—Mean usual intake of food energy as a percent of the 1989 Recommended Energy Allowance: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	96.4	0.6	1,118	99.3	1.0	270	>> 94.6	1.3	673	>> 95.1	1.0
9-13 years old .....	2,448	97.9	0.9	1,199	94.6	1.0	288	99.8	3.5	820	>> 99.9	1.3
14-18 years old .....	1,513	94.4	1.2	712	94.8	1.9	186	94.7	3.9	510	93.2	1.8
Total, age adjusted ...	6,148	97.0	0.6	3,029	96.6	1.0	744	97.3	1.9	2,003	97.1	0.8
<b>Male</b>												
5-8 years old .....	1,084	103.3	1.0	535	107.1	1.2	130	>>> 98.2	1.9	356	> 103.0	1.6
9-13 years old .....	1,212	104.3	1.5	592	98.5	1.5	144	> 111.2	5.9	408	>>> 107.3	2.2
14-18 years old .....	718	99.4	1.7	334	94.7	2.8	88	> 105.3	4.5	234	101.1	2.4
Total, age adjusted ...	3,014	103.6	1.0	1,461	100.4	1.5	362	> 107.5	2.7	998	> 105.3	1.2
<b>Female</b>												
5-8 years old .....	1,103	88.3	0.6	583	91.8	1.2	140	91.4	2.0	317	>>> 84.0	1.4
9-13 years old .....	1,236	90.7	1.0	607	90.7	1.4	144	88.0	7.5	412	91.1	1.4
14-18 years old .....	795	88.1	1.4	378	96.6	2.5	98	>>> 81.4	3.2	276	>>> 83.9	1.8
Total, age adjusted ...	3,134	89.1	0.6	1,568	93.3	1.3	382	>>> 86.5	1.5	1,005	>>> 86.6	0.9

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*.

'All Children' includes children with missing income.



**Table D-14—Distribution of usual food energy intake in kilocalories: School-age children**

**Male**

	1989 REA <sup>1</sup> (kcal)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	1,910	1,422	1,527	1,602	1,718	1,951	2,205	2,349	2,449	2,601	18.90	19.10	19.20	19.40	19.80	21.90	23.60	24.80	26.80
9-13 years old .....	2,299	1,560	1,708	1,814	1,979	2,317	2,718	2,975	3,172	3,503	22.30	22.70	22.80	23.00	26.30	46.00	71.80	90.40	117.00
14-18 years old .....	2,857	1,686	1,895	2,044	2,278	2,759	3,311	3,643	3,883	4,265	40.20	41.40	42.80	45.00	48.20	56.80	64.40	70.50	82.00
Total, age adjusted ...	na	1,457	1,619	1,738	1,927	2,332	2,820	3,128	3,359	3,743	13.90	13.90	14.40	15.90	20.50	28.60	37.70	48.90	69.70
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	1,910	1,498	1,603	1,678	1,794	2,026	2,278	2,420	2,518	2,666	19.70	19.10	19.30	20.40	24.10	27.90	29.80	31.20	33.10
9-13 years old .....	2,299	1,563	1,700	1,797	1,946	2,239	2,556	2,735	2,860	3,051	29.20	28.80	28.90	29.70	33.90	41.30	47.10	52.30	62.60
14-18 years old .....	2,857	1,580	1,784	1,928	2,151	2,607	3,143	3,484	3,742	4,172	67.40	69.00	69.60	70.00	75.90	96.20	112.00	125.00	149.00
Total, age adjusted ...	na	1,471	1,630	1,742	1,916	2,278	2,704	2,970	3,171	3,509	22.20	21.60	21.70	22.90	29.30	45.00	58.20	68.60	83.10
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	1,910	>> 1,371	>> 1,465	>> 1,532	>>> 1,636	>>> 1,848	>> 2,085	>> 2,224	> 2,323	2,478	33.70	34.10	34.50	35.10	38.00	44.40	50.10	55.60	67.20
9-13 years old .....	2,299	>>> 2,029	>>> 2,130	>> 2,201	> 2,310	2,529	2,772	2,914	3,014	3,171	100.00	107.00	111.00	118.00	132.00	152.00	164.00	174.00	189.00
14-18 years old .....	2,857	>>> 2,176	>>> 2,360	>>> 2,484	>> 2,667	3,002	3,346	3,538	3,668	3,860	130.00	128.00	125.00	121.00	124.00	139.00	148.00	153.00	159.00
Total, age adjusted ...	na	> 1,612	> 1,769	> 1,885	> 2,071	> 2,460	2,900	3,162	3,351	3,652	38.60	41.80	43.70	45.70	55.10	82.60	102.00	116.00	141.00
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	1,910	1,428	1,533	1,607	1,722	1,950	2,194	2,331	2,425	2,567	27.70	28.60	29.30	30.20	31.50	33.40	35.10	36.70	39.90
9-13 years old .....	2,299	1,544	1,698	1,809	1,985	2,361	>> 2,827	>>> 3,129	>>> 3,360	>> 3,748	30.00	29.80	30.20	31.20	35.20	57.90	85.30	114.00	176.00
14-18 years old .....	2,857	1,696	1,899	2,048	2,284	2,788	3,382	3,743	4,005	4,423	47.10	51.10	54.40	60.00	73.00	86.30	92.20	97.70	116.00
Total, age adjusted ...	na	1,467	1,627	1,745	1,938	2,359	> 2,880	> 3,209	> 3,455	> 3,856	15.10	15.80	16.70	18.90	25.50	36.50	45.60	55.60	79.90

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

<sup>1</sup> The 1989 Recommended Energy Allowance (REA) is specified for age groups that differ from those used in this analysis. Number shown in this column, as a point of reference, is a weighted average REA for the group. New recommendations for energy intake have recently been established (IOM, 2002b). They are not shown here because estimation of energy requirements is based on body weight and physical activity level as well as age and gender.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-14—Distribution of usual food energy intake in kilocalories: School-age children  
— Continued**

**Female**

	1989 REA <sup>1</sup> (kcal)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	1,908	1,211	1,305	1,370	1,470	1,667	1,881	2,003	2,090	2,224	13.90	12.70	12.00	11.20	10.70	12.80	15.30	17.50	21.60
9-13 years old .....	2,117	1,269	1,393	1,480	1,614	1,880	2,184	2,370	2,504	2,715	18.90	18.90	19.10	19.70	21.60	25.80	29.20	31.90	36.60
14-18 years old .....	2,200	1,217	1,347	1,439	1,584	1,886	2,236	2,445	2,596	2,832	19.30	19.50	20.40	22.60	28.50	37.60	43.80	48.60	56.90
Total, age adjusted ...	na	1,217	1,337	1,422	1,552	1,816	2,118	2,302	2,437	2,651	9.45	9.28	9.50	10.40	12.70	16.40	19.80	23.00	28.70
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	1,908	1,268	1,360	1,425	1,525	1,728	1,953	2,084	2,176	2,319	20.30	19.40	19.20	19.60	23.10	28.90	32.80	35.90	41.10
9-13 years old .....	2,117	1,240	1,369	1,461	1,603	1,886	2,201	2,385	2,517	2,719	23.70	23.30	23.40	24.60	30.10	38.30	43.80	47.60	53.30
14-18 years old .....	2,200	1,385	1,515	1,609	1,757	2,070	2,436	2,656	2,814	3,061	28.70	30.60	33.00	38.40	53.40	71.80	81.80	88.70	98.80
Total, age adjusted ...	na	1,278	1,397	1,482	1,615	1,892	2,220	2,421	2,567	2,799	13.20	13.80	14.80	16.90	23.60	35.30	44.50	51.60	61.30
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	1,908	1,293	1,388	1,453	1,551	1,738	1,927	2,031	2,103	2,213	39.50	39.40	39.70	40.00	40.30	43.40	47.10	51.00	58.40
9-13 years old .....	2,117	>>>1,514	> 1,585	1,635	1,709	1,854	2,009	2,095	2,155	2,246	57.70	67.30	75.70	91.50	134.00	202.00	251.00	290.00	358.00
14-18 years old .....	2,200	>>>1,664	1,692	1,710	1,738	> 1,789	>>>1,842	>>>1,870	>>>1,890	>>>1,919	66.00	67.10	67.90	69.10	71.30	73.70	75.00	75.80	77.10
Total, age adjusted ...	na	>>>1,408	> 1,489	1,544	1,629	1,793	>>>1,968	>>>2,066	>>>2,133	>>>2,236	24.90	25.60	26.20	27.60	31.20	35.90	38.70	40.60	43.60
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	1,908	>> 1,150	>> 1,241	>> 1,304	>> 1,401	>>>1,589	>>>1,789	>>>1,901	>>>1,979	>>>2,096	25.50	25.30	25.40	25.80	26.90	29.20	31.50	33.70	38.20
9-13 years old .....	2,117	1,240	1,367	1,457	1,598	1,878	2,205	2,409	2,558	2,790	29.30	27.70	27.20	27.40	30.20	37.70	43.80	49.10	59.20
14-18 years old .....	2,200	>>>1,114	>>>1,252	>>>1,348	>>>1,496	>>>1,803	> 2,154	> 2,359	> 2,505	> 2,729	33.90	30.90	31.00	34.00	42.80	50.30	54.70	57.70	61.40
Total, age adjusted ...	na	>>>1,158	>>>1,281	>>>1,366	>>>1,496	>>>1,762	>> 2,071	> 2,258	> 2,393	2,607	18.00	17.30	17.30	17.70	19.80	23.00	25.90	28.40	32.80

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

<sup>1</sup> The 1989 Recommended Energy Allowance (REA) is specified for age groups that differ from those used in this analysis. Number shown in this column, as a point of reference, is a weighted average REA for the group. New recommendations for energy intake have recently been established (IOM, 2002b). They are not shown here because estimation of energy requirements is based on body weight and physical activity level as well as age and gender.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-14—Distribution of usual food energy intake in kilocalories: School-age children  
— Continued**

**Both sexes**

	1989 REA <sup>1</sup> (kcal)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	1,909	1,299	1,403	1,476	1,589	1,815	2,064	2,207	2,308	2,463	10.40	10.10	10.20	10.70	11.90	12.70	13.60	14.40	16.20
9-13 years old .....	2,209	1,368	1,510	1,610	1,764	2,085	2,473	2,718	2,901	3,207	13.40	14.10	14.50	15.00	16.80	21.50	33.20	48.60	76.50
14-18 years old .....	2,526	1,273	1,456	1,592	1,811	2,285	2,847	3,190	3,440	3,842	13.70	16.90	19.80	24.20	30.80	39.30	46.40	52.50	63.10
Total, age adjusted ...	na	1,284	1,431	1,537	1,705	2,063	2,496	2,770	2,977	3,320	6.18	7.28	8.37	9.83	12.30	18.00	22.80	28.10	40.80
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	1,909	1,360	1,460	1,532	1,643	1,869	2,121	2,266	2,368	2,524	13.60	13.70	14.10	15.40	19.40	23.70	25.90	27.30	29.60
9-13 years old .....	2,209	1,338	1,483	1,583	1,737	2,049	2,401	2,606	2,749	2,968	21.00	20.10	19.50	19.20	21.90	28.50	33.00	36.20	42.40
14-18 years old .....	2,526	1,363	1,535	1,661	1,862	2,293	2,812	3,135	3,375	3,769	24.70	27.60	30.40	35.50	47.40	64.20	75.80	85.10	102.00
Total, age adjusted ...	na	1,321	1,465	1,567	1,729	2,067	2,470	2,722	2,910	3,220	11.10	11.10	11.90	14.20	20.40	30.20	38.00	45.00	57.10
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	1,909	1,286	1,389	1,461	1,571	1,789	2,022	2,154	2,246	2,387	29.50	28.60	28.30	28.00	26.30	26.70	30.20	33.50	39.10
9-13 years old .....	2,209	>>>1,620	>>>1,723	>>>1,798	>1,914	2,157	2,443	2,618	2,746	2,953	42.90	46.70	49.90	55.90	71.70	93.00	108.00	121.00	144.00
14-18 years old .....	2,526	1,452	1,620	1,746	1,948	2,360	2,792	3,033	3,200	3,456	60.20	69.10	76.20	86.80	102.00	114.00	123.00	131.00	144.00
Total, age adjusted ...	na	>1,398	1,527	1,621	1,770	2,087	2,468	2,706	2,882	3,169	23.80	26.10	27.90	30.80	37.50	49.10	60.10	70.50	91.30
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	1,909	>>1,276	>>1,380	>1,454	>1,567	1,793	2,040	2,181	2,280	2,432	18.90	19.30	19.70	20.40	20.90	21.90	23.30	24.80	28.10
9-13 years old .....	2,209	1,353	1,499	1,603	1,766	2,112	>2,540	>>2,817	>>3,027	>>3,379	19.60	19.10	18.80	18.80	22.00	33.20	47.60	64.00	103.00
14-18 years old .....	2,526	>>>1,213	>>1,406	>1,543	1,759	2,231	2,827	3,203	3,477	3,909	26.70	27.30	29.40	34.90	48.90	61.10	69.20	76.50	91.60
Total, age adjusted ...	na	>>>1,258	>>1,407	>1,515	1,687	2,054	2,508	2,803	3,028	3,399	11.50	11.60	12.10	13.30	16.20	22.30	28.60	35.20	50.40

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

<sup>1</sup> The 1989 Recommended Energy Allowance (REA) is specified for age groups that differ from those used in this analysis. Number shown in this column, as a point of reference, is a weighted average REA for the group. New recommendations for energy intake have recently been established (IOM, 2002b). They are not shown here because estimation of energy requirements is based on body weight and physical activity level as well as age and gender.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-15—Mean usual intake of Vitamin C in milligrams: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	102	2.1	1,118	105	2.2	270	98	4.1	673	103	3.4
9-13 years old .....	2,448	105	1.7	1,199	108	3.0	288	109	4.7	820	103	3.0
14-18 years old .....	1,513	110	3.7	712	119	6.3	186	112	10.0	510	108	4.9
Total, age adjusted ...	6,148	107	1.7	3,029	111	2.8	744	106	4.4	2,003	106	2.4
<b>Male</b>												
5-8 years old .....	1,084	107	2.8	535	113	3.4	130	>> 92	5.6	356	109	4.8
9-13 years old .....	1,212	109	2.6	592	110	4.3	144	129	11.7	408	105	4.3
14-18 years old .....	718	128	5.2	334	128	7.7	88	133	12.8	234	133	6.4
Total, age adjusted ...	3,014	116	2.5	1,461	117	3.4	362	118	7.4	998	117	3.4
<b>Female</b>												
5-8 years old .....	1,103	97	2.2	583	98	3.2	140	104	6.1	317	95	3.5
9-13 years old .....	1,236	101	2.5	607	105	5.3	144	91	5.6	412	102	3.1
14-18 years old .....	795	91	3.4	378	111	8.9	98	93	10.9	276	>> 83	4.7
Total, age adjusted ...	3,134	97	1.9	1,568	105	3.8	382	94	5.1	1,005	>> 93	2.5

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFI)*.

'All Children' includes children with missing income.

**Table D-16—Percent of school-age children with adequate usual intake of Vitamin C<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	99.9	0.04	1,118	99.8	0.04	270	99.7	0.10	673	› 100.0	0.05
9-13 years old .....	2,448	96.6	0.35	1,199	96.9	0.49	288	95.0	1.48	820	97.3	0.39
14-18 years old .....	1,513	79.6	1.56	712	84.3	1.75	186	84.0	4.24	510	› 78.1	2.27
Total, age adjusted ...	6,148	91.5	0.57	3,029	93.3	0.65	744	92.4	1.60	2,003	› 91.2	0.82
<b>Male</b>												
5-8 years old .....	1,084	99.8	0.05	535	99.8	0.05	130	› 99.0	0.39	356	99.9	0.06
9-13 years old .....	1,212	98.4	0.24	592	99.7	0.11	144	98.6	0.87	408	››› 97.8	0.35
14-18 years old .....	718	83.3	1.90	334	85.7	2.12	88	80.8	4.99	234	85.0	2.15
Total, age adjusted ...	3,014	93.4	0.68	1,461	94.8	0.75	362	92.4	1.80	998	93.9	0.77
<b>Female</b>												
5-8 years old .....	1,103	100.0	0.00	583	100.0	0.06	140	100.0	0.00	317	100.0	0.00
9-13 years old .....	1,236	94.8	0.67	607	94.2	0.96	144	91.4	2.80	412	› 96.7	0.71
14-18 years old .....	795	76.0	2.47	378	83.2	2.69	98	87.1	6.82	276	› 71.4	3.95
Total, age adjusted ...	3,134	89.6	0.91	1,568	91.9	1.02	382	92.3	2.62	1,005	88.7	1.42

Notes: Significant differences in means and proportions are noted by › (.05 level), ›› (.01 level), or ››› (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Estimated Average Requirements (EARs) were used to assess the adequacy of intake in groups, using the EAR cut-point method described in IOM, *Dietary Reference Intakes: Applications in Dietary Assessment*, Chapter 4. EARs are defined separately for gender and age groups as listed in appendix B.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using C-SIDE: *Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-17—Distribution of usual Vitamin C intake in milligrams: School-age children**

**Male**

	EAR (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	22	44	53	60	72	99	133	155	172	199	1.60	1.85	2.04	2.32	2.88	3.55	4.06	4.51	5.45
9-13 years old .....	39	50	59	66	77	103	134	154	168	192	1.40	1.58	1.71	1.95	2.51	3.28	3.81	4.23	4.90
14-18 years old .....	63	40	51	60	76	114	166	200	225	265	2.34	2.77	3.06	3.50	4.88	6.95	8.13	8.97	10.40
Total, age adjusted ...	na	43	53	61	74	105	146	172	192	224	1.16	1.33	1.45	1.67	2.27	3.22	3.81	4.29	5.15
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	22	48	58	65	78	105	140	161	177	202	2.08	2.35	2.54	2.82	3.44	4.23	4.73	5.07	5.55
9-13 years old .....	39	61	70	76	86	107	131	145	156	172	2.81	2.95	3.11	3.41	4.16	5.17	5.77	6.20	6.89
14-18 years old .....	63	45	56	64	79	114	162	193	217	255	3.06	3.26	3.43	3.92	6.34	10.50	13.30	15.60	19.70
Total, age adjusted ...	na	49	59	66	79	107	145	170	188	217	1.73	1.92	2.03	2.18	2.83	4.54	6.02	7.15	8.94
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	22	>>>33	>>42	>>48	>>59	>>83	>114	135	152	182	2.97	3.56	3.90	4.29	5.27	7.42	8.83	9.83	11.60
9-13 years old .....	39	53	65	74	88	121	161	185	203	>232	5.84	6.79	7.49	8.68	11.60	14.90	16.60	17.90	19.80
14-18 years old .....	63	32	45	55	73	118	180	220	247	288	5.82	6.73	7.46	8.86	14.30	19.60	21.00	21.50	22.40
Total, age adjusted ...	na	>>37	49	58	72	105	152	184	207	243	3.19	3.91	4.36	5.05	7.09	10.50	12.10	13.00	14.20
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	22	47	56	63	74	101	136	158	174	201	2.69	3.15	3.51	4.08	5.14	6.12	6.75	7.33	8.63
9-13 years old .....	39	>>>47	>>>55	>>62	>73	98	129	149	165	189	1.59	1.94	2.23	2.74	3.93	5.58	6.73	7.64	9.25
14-18 years old .....	63	42	54	63	79	119	173	207	232	272	3.16	3.70	4.08	4.72	6.35	8.56	9.88	10.80	12.30
Total, age adjusted ...	na	44	54	62	75	107	148	175	195	227	1.67	1.93	2.17	2.59	3.44	4.40	5.01	5.47	6.18

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na EAR differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using C-SIDE: Software for Intake Distribution Estimation, accounting for within-person variance as estimated from the Continuing Survey of Food Intakes by Individuals (CSFII). 'All Children' includes children with missing income.

**Table D-17—Distribution of usual Vitamin C intake in milligrams: School-age children  
— Continued**

**Female**

	EAR (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	22	50	58	64	73	93	116	130	140	156	1.37	1.46	1.53	1.66	2.08	2.81	3.31	3.69	4.35
9-13 years old .....	39	39	48	55	67	94	127	148	163	187	1.47	1.68	1.83	2.08	2.57	3.08	3.47	3.86	4.86
14-18 years old .....	56	33	40	46	57	82	116	137	154	180	1.62	1.94	2.20	2.60	3.41	4.43	5.14	5.73	6.91
Total, age adjusted ...	na	38	47	54	65	89	122	143	158	182	0.97	1.14	1.25	1.42	1.75	2.49	3.13	3.63	4.38
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	22	48	56	62	72	94	119	134	145	162	2.31	2.43	2.52	2.70	3.16	3.80	4.27	4.64	5.35
9-13 years old .....	39	37	47	54	66	94	132	158	177	211	1.94	2.10	2.25	2.58	3.98	7.56	9.98	11.90	15.70
14-18 years old .....	56	36	46	53	67	101	144	170	190	223	2.72	3.33	3.91	5.12	8.35	12.10	14.40	16.20	19.20
Total, age adjusted ...	na	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	22	54	62	69	78	100	125	140	152	169	3.80	4.24	4.53	4.96	6.01	7.52	8.40	8.99	9.87
9-13 years old .....	39	33	41	47	58	83	114	135	150	175	3.64	3.99	4.22	4.61	5.57	6.78	7.57	8.23	9.59
14-18 years old .....	56	45	52	58	68	88	113	128	138	155	7.04	7.92	8.55	9.53	11.30	12.60	13.30	13.70	14.40
Total, age adjusted ...	na	41	49	56	66	89	117	134	146	166	2.94	3.34	3.64	4.13	5.13	6.19	6.77	7.19	7.87
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	22	51	58	64	73	92	114	127	136	151	2.36	2.51	2.61	2.78	3.25	4.16	4.97	5.68	7.03
9-13 years old .....	39	44	53	60	72	97	126	144	157	177	2.10	2.33	2.46	2.64	3.08	3.76	4.23	4.58	5.15
14-18 years old .....	56	30	37	43	53	76	106	125	140	162	2.14	2.58	2.94	3.55	4.87	6.18	6.82	7.24	7.96
Total, age adjusted ...	na	38	47	53	64	88	117	135	148	168	1.24	1.47	1.64	1.92	2.46	3.14	3.65	4.09	4.92

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
 — Estimate of usual intake could not be obtained for the gender-age group cell. The cell was pooled with a neighboring age group to determine its contribution to the 'Total, age-adjusted' row.  
 na EAR differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using C-SIDE: Software for Intake Distribution Estimation, accounting for within-person variance as estimated from the Continuing Survey of Food Intakes by Individuals (CSFII).  
 'All Children' includes children with missing income.

**Table D-17—Distribution of usual Vitamin C intake in milligrams: School-age children  
— Continued**

**Both sexes**

	EAR (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	22	46	55	62	72	96	126	144	157	179	1.26	1.39	1.50	1.68	2.10	2.63	3.05	3.41	4.07
9-13 years old .....	39	43	53	60	72	98	131	152	167	191	0.94	1.09	1.21	1.41	1.76	2.12	2.42	2.72	3.37
14-18 years old .....	na	35	44	52	65	97	141	170	192	227	1.52	1.87	2.14	2.59	3.56	4.75	5.52	6.10	7.11
Total, age adjusted ...	na	40	50	57	69	97	134	158	175	205	0.86	0.99	1.08	1.24	1.63	2.18	2.57	2.89	3.47
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	22	47	56	63	74	99	129	148	162	184	1.42	1.54	1.63	1.82	2.24	2.70	2.99	3.20	3.52
9-13 years old .....	39	45	55	62	74	100	133	154	170	196	1.63	1.75	1.82	1.96	2.50	4.29	5.62	6.42	7.58
14-18 years old .....	na	40	50	58	72	107	153	182	203	239	2.09	2.49	2.89	3.74	5.87	8.07	9.82	11.30	14.20
Total, age adjusted ...	na	42	52	59	71	100	140	165	183	211	1.03	1.18	1.31	1.58	2.39	4.03	4.79	5.40	6.75
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	22	41	50	57	67	91	121	140	155	179	2.31	2.61	2.80	3.06	3.83	5.31	6.27	7.01	8.41
9-13 years old .....	39	40	49	57	70	99	138	163	182	213	2.37	2.50	2.66	3.01	4.25	6.38	7.80	8.91	10.80
14-18 years old .....	na	35	46	54	68	101	144	171	191	224	4.89	5.84	6.56	7.76	10.40	13.10	14.40	15.10	16.40
Total, age adjusted ...	na	38	48	56	69	97	134	157	175	203	2.14	2.45	2.71	3.20	4.34	5.68	6.58	7.25	8.36
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	22	49	58	64	74	98	126	143	156	177	2.10	2.36	2.55	2.83	3.41	4.12	4.66	5.13	6.07
9-13 years old .....	39	45	54	61	72	97	128	147	161	184	1.30	1.55	1.75	2.09	2.85	3.89	4.58	5.13	6.06
14-18 years old .....	na	34	43	51	64	96	139	168	189	224	2.09	2.55	2.91	3.51	4.88	6.40	7.24	7.81	8.74
Total, age adjusted ...	na	41	50	57	69	97	133	156	173	201	1.19	1.34	1.47	1.70	2.28	3.06	3.55	3.91	4.47

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na EAR differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.



**Table D-18—Mean usual intake of iron in milligrams: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	13.3	0.14	1,118	13.7	0.18	270	» 12.6	0.28	673	13.4	0.24
9-13 years old .....	2,448	15.2	0.18	1,199	14.8	0.30	288	14.3	0.44	820	» 15.8	0.33
14-18 years old .....	1,513	16.2	0.53	712	15.1	0.29	186	14.9	0.79	510	17.1	1.01
Total, age adjusted ...	6,148	15.0	0.16	3,029	14.6	0.12	744	14.0	0.31	2,003	» 15.6	0.29
<b>Male</b>												
5-8 years old .....	1,084	14.4	0.23	535	14.8	0.28	130	» 13.3	0.53	356	14.7	0.37
9-13 years old .....	1,212	16.5	0.27	592	15.8	0.41	144	15.8	0.81	408	» 17.2	0.48
14-18 years old .....	718	20.1	1.06	334	17.1	0.45	88	18.9	1.15	234	» 22.5	2.07
Total, age adjusted ...	3,014	17.1	0.33	1,461	16.0	0.17	362	16.1	0.50	998	»» 18.4	0.61
<b>Female</b>												
5-8 years old .....	1,103	12.0	0.14	583	12.6	0.22	140	12.0	0.37	317	» 11.7	0.27
9-13 years old .....	1,236	13.9	0.33	607	13.7	0.40	144	12.8	0.60	412	14.2	0.46
14-18 years old .....	795	12.4	0.29	378	13.6	0.39	98	»» 10.9	0.67	276	» 11.9	0.40
Total, age adjusted ...	3,134	12.8	0.17	1,568	13.3	0.20	382	»» 11.9	0.31	1,005	12.7	0.25

Notes: Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFI)*.

'All Children' includes children with missing income.

**Table D-19—Percent of school-age children with adequate usual intake of iron<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	100.0	0.00	1,118	100.0	0.00	270	100.0	0.00	673	100.0	0.00
9-13 years old .....	2,448	99.8	0.05	1,199	99.7	0.08	288	» 100.0	0.05	820	99.9	0.06
14-18 years old .....	1,513	92.9	0.71	712	95.4	0.73	186	93.9	2.53	510	»» 89.9	1.18
Total, age adjusted ...	6,148	97.4	0.25	3,029	98.2	0.26	744	97.8	0.90	2,003	»» 96.4	0.42
<b>Male</b>												
5-8 years old .....	1,084	100.0	0.00	535	100.0	0.00	130	100.0	0.00	356	100.0	0.00
9-13 years old .....	1,212	100.0	0.00	592	100.0	0.06	144	100.0	0.07	408	100.0	0.03
14-18 years old .....	718	99.5	0.11	334	99.0	0.31	88	» 99.9	0.17	234	» 99.8	0.08
Total, age adjusted ...	3,014	99.8	0.04	1,461	99.6	0.11	362	» 100.0	0.06	998	» 99.9	0.03
<b>Female</b>												
5-8 years old .....	1,103	100.0	0.00	583	100.0	0.00	140	100.0	0.00	317	100.0	0.00
9-13 years old .....	1,236	99.7	0.10	607	99.4	0.15	144	» 100.0	0.07	412	99.8	0.11
14-18 years old .....	795	86.4	1.40	378	92.2	1.32	98	87.9	5.01	276	»» 80.3	2.31
Total, age adjusted ...	3,134	95.1	0.50	1,568	97.0	0.47	382	95.7	1.78	1,005	»» 92.9	0.82

Notes: Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Estimated Average Requirements (EARs) were used to assess the adequacy of intake in groups. The EAR cut-point method was used for all groups except females age 9-18; the probability approach was used for menstruating females because the distribution of nutrient requirements is not symmetrical. See IOM, *Dietary Reference Intakes: Applications in Dietary Assessment*, Chapter 4. EARs are defined separately for gender and age groups as listed in appendix B.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*.

'All Children' includes children with missing income.

**Table D-20—Distribution of usual iron intake in milligrams: School-age children**

**Male**

	EAR (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	4.1	8.7	9.7	10.4	11.5	13.9	16.7	18.4	19.7	21.9	0.18	0.18	0.18	0.19	0.21	0.27	0.32	0.36	0.45
9-13 years old .....	5.9	10.2	11.2	12.0	13.2	15.8	19.0	21.0	22.5	25.1	0.14	0.14	0.15	0.16	0.22	0.38	0.48	0.54	0.67
14-18 years old .....	7.7	10.5	11.7	12.7	14.2	17.7	22.8	26.9	30.4	37.4	0.24	0.25	0.27	0.32	0.54	1.21	1.84	2.47	4.00
Total, age adjusted ...	na	9.5	10.6	11.4	12.7	15.7	19.6	22.5	24.8	29.2	0.09	0.10	0.10	0.11	0.16	0.32	0.53	0.77	1.36
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	4.1	9.2	10.1	10.8	11.9	14.2	17.0	18.8	20.2	22.5	0.20	0.21	0.21	0.22	0.26	0.34	0.41	0.48	0.63
9-13 years old .....	5.9	9.8	10.8	11.6	12.7	15.2	18.4	20.3	21.7	23.8	0.26	0.26	0.28	0.30	0.42	0.50	0.57	0.65	0.78
14-18 years old .....	7.7	9.8	11.0	11.8	13.1	16.0	19.9	22.5	24.6	28.2	0.30	0.30	0.31	0.32	0.43	0.63	0.73	0.80	0.94
Total, age adjusted ...	na	9.4	10.5	11.3	12.5	15.2	18.5	20.6	22.3	25.2	0.14	0.13	0.13	0.13	0.15	0.24	0.32	0.39	0.50
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	4.1	>> 8.0	>> 8.8	>> 9.4	>> 10.4	12.6	15.4	17.2	18.6	20.9	0.28	0.32	0.35	0.40	0.53	0.69	0.78	0.85	1.00
9-13 years old .....	5.9	9.5	10.6	11.4	12.7	15.3	18.3	20.3	21.8	24.1	0.47	0.53	0.57	0.62	0.76	0.99	1.17	1.30	1.50
14-18 years old .....	7.7	12.3	13.6	14.5	16.0	18.8	21.8	23.4	24.4	25.9	0.96	1.01	1.05	1.11	1.22	1.27	1.27	1.26	1.23
Total, age adjusted ...	na	10.3	11.3	12.1	13.3	15.8	18.6	20.3	21.4	23.2	0.35	0.37	0.38	0.41	0.50	0.61	0.68	0.71	0.75
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	4.1	9.3	10.3	11.0	12.1	14.3	16.8	18.4	19.6	21.6	0.28	0.28	0.29	0.30	0.34	0.45	0.53	0.59	0.72
9-13 years old .....	5.9	9.9	11.0	11.9	13.3	16.4	20.2	22.7	24.5	27.5	0.20	0.19	0.19	0.21	0.38	0.68	0.85	0.99	1.27
14-18 years old .....	7.7	10.8	11.9	12.8	14.3	18.4	25.3	31.1	36.3	47.1	0.33	0.40	0.46	0.57	0.93	1.94	3.19	4.59	7.97
Total, age adjusted ...	na	9.7	10.8	11.7	13.0	> 16.2	>> 20.8	>> 24.4	>> 27.5	>> 33.8	0.12	0.13	0.14	0.17	0.28	0.61	0.99	1.42	2.50

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na EAR differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using C-SIDE: Software for Intake Distribution Estimation, accounting for within-person variance as estimated from the Continuing Survey of Food Intakes by Individuals (CSFII). 'All Children' includes children with missing income.

**Table D-20—Distribution of usual iron intake in milligrams: School-age children  
— Continued**

**Female**

	EAR (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	4.1	7.5	8.3	8.9	9.8	11.6	13.9	15.2	16.3	17.9	0.11	0.10	0.10	0.11	0.13	0.18	0.22	0.25	0.30
9-13 years old .....	5.7	8.0	8.9	9.6	10.6	13.1	16.4	18.5	20.0	22.6	0.18	0.19	0.20	0.21	0.28	0.42	0.52	0.59	0.70
14-18 years old .....	7.9	6.5	7.4	8.1	9.2	11.7	14.8	16.8	18.2	20.6	0.15	0.17	0.18	0.22	0.28	0.36	0.43	0.49	0.62
Total, age adjusted ...	na	7.2	8.1	8.8	9.8	12.2	15.0	16.9	18.3	20.6	0.09	0.09	0.10	0.12	0.16	0.21	0.26	0.31	0.40
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	4.1	8.2	8.9	9.5	10.4	12.2	14.3	15.6	16.6	18.2	0.16	0.16	0.17	0.19	0.22	0.26	0.29	0.32	0.38
9-13 years old .....	5.7	7.7	8.6	9.4	10.5	13.1	16.2	18.1	19.6	21.9	0.20	0.21	0.23	0.27	0.39	0.52	0.61	0.69	0.84
14-18 years old .....	7.9	7.3	8.3	9.1	10.3	13.1	16.3	18.1	19.4	21.5	0.22	0.25	0.28	0.32	0.39	0.49	0.57	0.65	0.78
Total, age adjusted ...	na	7.9	8.8	9.5	10.5	12.8	15.5	17.2	18.4	20.4	0.14	0.15	0.16	0.18	0.20	0.24	0.28	0.31	0.36
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	4.1	7.6	8.4	8.9	9.9	11.7	13.8	15.1	16.0	17.3	0.24	0.26	0.29	0.34	0.40	0.44	0.48	0.52	0.61
9-13 years old .....	5.7	8.3	9.0	9.6	10.5	12.3	14.7	16.2	17.3	19.2	0.38	0.42	0.44	0.49	0.61	0.74	0.80	0.85	0.93
14-18 years old .....	7.9	7.1	7.7	8.2	8.9	> 10.6	>> 12.7	>> 13.9	>>> 14.8	>>> 16.1	0.38	0.41	0.44	0.51	0.68	0.88	0.95	0.97	0.97
Total, age adjusted ...	na	7.5	8.3	8.8	9.7	>> 11.5	>>> 13.7	>>> 15.1	>>> 16.1	>>> 17.7	0.20	0.22	0.23	0.26	0.31	0.39	0.43	0.46	0.50
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	4.1	>>> 7.1	>> 7.9	>> 8.5	>> 9.3	> 11.2	13.4	14.8	15.9	17.7	0.20	0.21	0.21	0.22	0.24	0.31	0.39	0.46	0.59
9-13 years old .....	5.7	8.1	9.0	9.7	10.8	13.4	16.7	18.8	20.4	23.0	0.23	0.23	0.24	0.27	0.42	0.63	0.73	0.80	0.92
14-18 years old .....	7.9	>>> 5.8	>>> 6.7	>>> 7.3	>>> 8.5	>> 11.1	> 14.3	16.5	18.2	21.2	0.22	0.23	0.24	0.29	0.38	0.50	0.60	0.69	0.89
Total, age adjusted ...	na	>>> 6.8	>>> 7.7	>>> 8.4	>>> 9.5	> 11.9	14.9	16.9	18.5	21.2	0.14	0.15	0.15	0.16	0.21	0.32	0.40	0.48	0.61

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na EAR differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-20—Distribution of usual iron intake in milligrams: School-age children  
— Continued**

**Both sexes**

	EAR (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	4.1	8.0	8.9	9.6	10.6	12.8	15.4	17.1	18.3	20.3	0.11	0.10	0.11	0.11	0.13	0.17	0.20	0.23	0.28
9-13 years old .....	na	8.7	9.8	10.5	11.7	14.4	17.9	20.2	21.8	24.5	0.11	0.11	0.10	0.10	0.14	0.25	0.33	0.38	0.46
14-18 years old .....	na	7.4	8.6	9.5	11.0	14.4	18.9	22.2	25.1	30.8	0.11	0.14	0.16	0.18	0.24	0.50	0.84	1.21	2.14
Total, age adjusted ...	na	7.9	9.0	9.8	11.1	13.9	17.4	19.9	21.9	25.7	0.06	0.06	0.06	0.07	0.08	0.14	0.24	0.35	0.65
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	4.1	8.4	9.3	9.9	10.9	13.1	15.8	17.4	18.7	20.7	0.13	0.13	0.13	0.14	0.16	0.22	0.29	0.35	0.43
9-13 years old .....	na	8.4	9.4	10.2	11.4	14.0	17.4	19.5	21.0	23.5	0.17	0.18	0.18	0.19	0.26	0.39	0.48	0.55	0.70
14-18 years old .....	na	8.1	9.3	10.1	11.5	14.4	17.7	20.0	21.8	24.9	0.19	0.21	0.23	0.24	0.27	0.37	0.46	0.54	0.67
Total, age adjusted ...	na	8.3	9.3	10.1	11.3	13.9	17.0	19.1	20.7	23.3	0.10	0.10	0.10	0.11	0.12	0.16	0.20	0.24	0.34
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	4.1	>>>7.6	>>>8.4	>>>9.0	>>>9.9	> 12.1	14.8	16.4	17.6	19.5	0.16	0.17	0.18	0.21	0.28	0.36	0.44	0.52	0.63
9-13 years old .....	na	>>>10.1	>> 10.8	11.3	12.2	14.0	16.0	> 17.3	>> 18.2	>>>19.6	0.32	0.34	0.35	0.38	0.42	0.50	0.56	0.62	0.72
14-18 years old .....	na	7.7	8.8	9.7	11.1	14.4	18.2	20.4	21.9	24.1	0.41	0.47	0.53	0.64	0.85	1.00	1.06	1.09	1.13
Total, age adjusted ...	na	8.2	9.2	9.9	11.0	13.5	16.5	18.3	19.6	21.7	0.18	0.20	0.22	0.25	0.31	0.38	0.43	0.48	0.55
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	4.1	8.2	9.1	9.8	10.8	12.9	15.5	17.1	18.3	20.3	0.18	0.18	0.19	0.19	0.22	0.29	0.35	0.39	0.47
9-13 years old .....	na	8.7	9.8	10.5	11.8	14.8	18.7	21.3	23.1	26.2	0.13	0.13	0.13	0.14	0.26	0.48	0.60	0.69	0.86
14-18 years old .....	na	>>>7.0	>> 8.2	> 9.1	10.6	14.1	19.2	23.5	27.5	> 35.9	0.19	0.22	0.23	0.26	0.40	0.86	1.39	2.02	3.85
Total, age adjusted ...	na	>> 7.8	9.0	9.8	11.1	14.0	> 18.0	>> 20.9	>> 23.4	>> 28.3	0.10	0.09	0.09	0.09	0.13	0.28	0.48	0.72	1.31

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na EAR differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-21—Mean usual intake of zinc in milligrams: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	9.2	0.10	1,118	9.7	0.18	270	***8.5	0.19	673	* 9.1	0.16
9-13 years old .....	2,448	10.8	0.11	1,199	10.6	0.16	288	10.3	0.33	820	11.2	0.25
14-18 years old .....	1,513	12.2	0.37	712	11.5	0.24	186	12.2	0.63	510	12.7	0.80
Total, age adjusted ...	6,148	10.9	0.12	3,029	10.7	0.11	744	10.5	0.25	2,003	11.1	0.24
<b>Male</b>												
5-8 years old .....	1,084	9.9	0.16	535	10.6	0.26	130	***8.8	0.38	356	* 9.9	0.25
9-13 years old .....	1,212	11.9	0.18	592	11.8	0.21	144	11.5	0.58	408	12.1	0.32
14-18 years old .....	718	15.3	0.72	334	13.3	0.44	88	* 15.6	1.04	234	* 17.0	1.65
Total, age adjusted ...	3,014	12.5	0.23	1,461	12.0	0.18	362	12.2	0.42	998	* 13.1	0.50
<b>Female</b>												
5-8 years old .....	1,103	8.5	0.12	583	8.9	0.17	140	* 8.2	0.28	317	** 8.1	0.22
9-13 years old .....	1,236	9.7	0.21	607	9.5	0.21	144	9.1	0.23	412	10.0	0.43
14-18 years old .....	795	9.1	0.20	378	10.0	0.25	98	* 8.9	0.46	276	** 8.7	0.39
Total, age adjusted ...	3,134	9.1	0.10	1,568	9.5	0.12	382	** 8.8	0.22	1,005	* 9.0	0.19

Notes: Significant differences in means and proportions are noted by \* (.05 level), \*\* (.01 level), or \*\*\* (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFI)*.

\*All Children' includes children with missing income.

**Table D-22—Percent of school-age children with adequate usual intake of zinc<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	99.8	0.04	1,118	100.0	0.00	270	***99.4	0.14	673	** 99.8	0.06
9-13 years old .....	2,448	91.4	0.65	1,199	91.7	0.93	288	** 96.1	1.17	820	90.7	1.04
14-18 years old .....	1,513	83.1	1.26	712	83.9	1.62	186	***98.0	1.28	510	> 78.9	1.59
Total, age adjusted ...	6,148	90.8	0.51	3,029	91.3	0.67	744	***97.7	0.62	2,003	> 89.1	0.68
<b>Male</b>												
5-8 years old .....	1,084	100.0	0.04	535	100.0	0.00	130	99.7	0.19	356	100.0	0.00
9-13 years old .....	1,212	98.5	0.26	592	98.1	0.47	144	98.2	0.84	408	97.9	0.49
14-18 years old .....	718	96.6	0.74	334	87.5	2.11	88	> 95.9	2.58	234	***99.1	0.36
Total, age adjusted ...	3,014	98.2	0.28	1,461	94.9	0.77	362	> 97.8	0.97	998	***98.9	0.22
<b>Female</b>												
5-8 years old .....	1,103	99.8	0.05	583	100.0	0.00	140	99.8	0.11	317	** 99.4	0.19
9-13 years old .....	1,236	84.1	1.30	607	85.5	1.78	144	** 94.1	2.16	412	83.1	2.09
14-18 years old .....	795	69.7	2.39	378	80.7	2.41	98	***100.0	0.25	276	***59.3	3.10
Total, age adjusted ...	3,134	83.4	0.97	1,568	87.9	1.07	382	***97.8	0.79	1,005	***79.3	1.34

Notes: Significant differences in means and proportions are noted by > (.05 level), \*\* (.01 level), or \*\*\* (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Estimated Average Requirements (EARs) were used to assess the adequacy of intake in groups, using the EAR cut-point method described in IOM, *Dietary Reference Intakes: Applications in Dietary Assessment*, Chapter 4. EARs are defined separately for gender and age groups as listed in appendix B.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-23—Distribution of usual zinc intake in milligrams: School-age children**

**Male**

	EAR (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	4.0	6.3	7.0	7.4	8.1	9.6	11.4	12.5	13.2	14.5	0.13	0.13	0.13	0.14	0.16	0.19	0.22	0.24	0.30
9-13 years old .....	7.0	8.0	8.7	9.2	10.0	11.6	13.5	14.7	15.6	16.9	0.12	0.13	0.13	0.14	0.16	0.22	0.30	0.37	0.49
14-18 years old .....	8.5	8.9	9.9	10.5	11.6	14.1	17.5	20.0	22.0	25.8	0.24	0.26	0.28	0.32	0.44	0.82	1.26	1.70	2.68
Total, age adjusted ...	na	7.2	8.1	8.7	9.6	11.7	14.4	16.2	17.7	20.4	0.09	0.09	0.10	0.11	0.15	0.24	0.37	0.53	0.94
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	4.0	6.7	7.3	7.8	8.5	10.2	12.3	13.6	14.5	16.0	0.17	0.18	0.19	0.21	0.27	0.32	0.36	0.38	0.45
9-13 years old .....	7.0	7.9	8.6	9.2	10.0	11.6	13.5	14.5	15.2	16.4	0.18	0.18	0.18	0.18	0.20	0.26	0.31	0.34	0.40
14-18 years old .....	8.5	7.2	8.1	8.8	10.0	12.5	15.8	17.8	19.4	21.9	0.25	0.28	0.30	0.34	0.44	0.56	0.63	0.69	0.84
Total, age adjusted ...	na	7.0	7.8	8.4	9.4	11.5	13.9	15.5	16.7	18.7	0.11	0.11	0.12	0.14	0.18	0.24	0.29	0.33	0.41
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	4.0	5.2	5.7	6.1	6.7	8.2	10.2	11.6	12.6	14.3	0.16	0.18	0.20	0.24	0.36	0.56	0.67	0.74	0.85
9-13 years old .....	7.0	7.8	8.6	9.1	9.8	11.3	13.0	14.0	14.7	15.9	0.37	0.41	0.44	0.48	0.56	0.69	0.78	0.85	0.96
14-18 years old .....	8.5	8.8	10.0	10.9	12.2	15.1	18.5	20.5	21.9	24.2	0.76	0.81	0.84	0.90	1.05	1.26	1.39	1.49	1.69
Total, age adjusted ...	na	7.1	7.9	8.5	9.5	11.7	14.3	16.0	17.2	19.2	0.27	0.30	0.32	0.35	0.41	0.52	0.61	0.69	0.84
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	4.0	6.9	7.4	7.8	8.4	9.7	11.1	12.0	12.6	13.6	0.20	0.20	0.20	0.20	0.23	0.28	0.33	0.38	0.50
9-13 years old .....	7.0	7.7	8.5	9.0	9.9	11.7	13.9	15.3	16.3	18.0	0.18	0.19	0.19	0.20	0.25	0.39	0.52	0.63	0.87
14-18 years old .....	8.5	10.1	11.0	11.7	12.8	15.5	19.4	22.2	24.6	28.8	0.41	0.46	0.50	0.62	1.04	1.94	2.81	3.64	5.40
Total, age adjusted ...	na	7.5	8.3	8.9	9.9	12.1	15.0	17.2	18.9	22.2	0.12	0.13	0.15	0.17	0.27	0.54	0.85	1.18	1.95

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na EAR differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Food intake does not account for vitamin/mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intake of Individuals (CSFII)*.



**Table D-23—Distribution of usual zinc intake in milligrams: School-age children  
— Continued**

**Female**

	EAR (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	4.0	5.5	6.0	6.4	7.0	8.2	9.7	10.6	11.2	12.3	0.09	0.09	0.10	0.10	0.12	0.14	0.17	0.18	0.21
9-13 years old .....	7.0	5.8	6.5	6.9	7.7	9.3	11.3	12.6	13.6	15.3	0.10	0.10	0.10	0.11	0.16	0.26	0.36	0.46	0.75
14-18 years old .....	7.5	5.3	5.9	6.4	7.2	8.7	10.6	11.8	12.8	14.3	0.12	0.13	0.13	0.15	0.18	0.23	0.30	0.36	0.49
Total, age adjusted ...	na	5.5	6.1	6.6	7.3	8.7	10.5	11.7	12.6	14.1	0.06	0.06	0.06	0.07	0.08	0.11	0.14	0.18	0.28
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	4.0	6.2	6.6	7.0	7.5	8.6	10.0	10.9	11.5	12.5	0.11	0.11	0.11	0.12	0.16	0.23	0.26	0.29	0.33
9-13 years old .....	7.0	5.9	6.6	7.0	7.8	9.3	11.0	12.0	12.8	14.0	0.14	0.14	0.15	0.16	0.20	0.27	0.32	0.35	0.41
14-18 years old .....	7.5	5.8	6.6	7.1	8.0	9.7	11.7	12.9	13.8	15.1	0.18	0.19	0.19	0.20	0.25	0.31	0.34	0.36	0.39
Total, age adjusted ...	na	6.1	6.7	7.1	7.8	9.2	10.9	11.9	12.7	13.8	0.08	0.09	0.09	0.10	0.13	0.15	0.16	0.18	0.19
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	4.0	5.3	5.8	6.2	6.8	8.1	9.4	10.1	10.6	11.4	0.20	0.22	0.24	0.26	0.29	0.33	0.36	0.39	0.44
9-13 years old .....	7.0	6.9	7.3	7.6	8.1	9.0	10.0	10.5	10.9	11.5	0.18	0.19	0.19	0.21	0.24	0.27	0.28	0.30	0.31
14-18 years old .....	7.5	8.6	8.6	8.7	8.8	8.9	9.0	9.1	9.1	9.2	0.44	0.44	0.45	0.45	0.46	0.48	0.48	0.48	0.49
Total, age adjusted ...	na	6.3	6.7	7.1	7.6	8.6	9.8	10.5	11.0	11.9	0.14	0.15	0.16	0.17	0.21	0.26	0.29	0.31	0.34
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	4.0	5.1	5.6	6.0	6.6	7.9	9.4	10.3	11.0	12.1	0.15	0.16	0.17	0.18	0.23	0.28	0.31	0.33	0.37
9-13 years old .....	7.0	5.8	6.4	6.8	7.6	9.3	11.6	13.2	14.5	16.7	0.15	0.15	0.16	0.17	0.24	0.46	0.71	0.98	1.62
14-18 years old .....	7.5	4.4	5.1	5.6	6.4	8.1	10.3	11.7	12.8	14.7	0.18	0.17	0.17	0.18	0.24	0.40	0.61	0.83	1.36
Total, age adjusted ...	na	5.0	5.7	6.1	6.8	8.4	10.4	11.8	13.0	15.0	0.09	0.10	0.10	0.11	0.13	0.19	0.28	0.37	0.65

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na EAR differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Food intake does not account for vitamin/mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intake of Individuals (CSFII)*.

**Table D-23—Distribution of usual zinc intake in milligrams: School-age children  
— Continued**

**Both sexes**

	EAR (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	4.0	5.8	6.4	6.8	7.5	8.9	10.6	11.7	12.5	13.8	0.08	0.08	0.08	0.08	0.09	0.12	0.14	0.15	0.18
9-13 years old .....	7.0	6.5	7.3	7.8	8.6	10.4	12.5	13.8	14.8	16.6	0.07	0.08	0.08	0.09	0.10	0.14	0.19	0.25	0.38
14-18 years old .....	na	6.0	6.9	7.6	8.7	11.1	14.2	16.5	18.4	22.0	0.11	0.13	0.14	0.15	0.20	0.34	0.54	0.77	1.41
Total, age adjusted ...	na	6.0	6.8	7.3	8.2	10.2	12.6	14.2	15.5	17.9	0.04	0.05	0.05	0.06	0.08	0.12	0.19	0.28	0.51
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	4.0	6.3	6.9	7.3	7.9	9.4	11.2	12.3	13.1	14.4	0.09	0.10	0.11	0.13	0.18	0.24	0.28	0.30	0.34
9-13 years old .....	7.0	6.5	7.2	7.8	8.6	10.3	12.3	13.5	14.4	15.8	0.12	0.13	0.13	0.14	0.15	0.20	0.24	0.26	0.30
14-18 years old .....	na	6.4	7.2	7.8	8.8	10.9	13.5	15.2	16.5	18.6	0.15	0.16	0.17	0.19	0.24	0.31	0.36	0.40	0.49
Total, age adjusted ...	na	6.3	7.0	7.6	8.4	10.2	12.4	13.9	14.9	16.6	0.07	0.08	0.08	0.09	0.12	0.15	0.17	0.19	0.23
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	4.0	5.1	5.6	6.0	6.6	8.1	9.8	11.0	11.8	13.2	0.13	0.14	0.15	0.17	0.20	0.25	0.29	0.33	0.44
9-13 years old .....	7.0	8.3	8.7	9.0	9.4	10.2	11.1	11.6	11.9	12.4	0.25	0.27	0.28	0.30	0.33	0.37	0.40	0.42	0.45
14-18 years old .....	na	6.3	7.2	7.8	8.9	11.5	14.7	16.7	18.1	20.5	0.32	0.38	0.42	0.51	0.66	0.83	0.94	1.02	1.17
Total, age adjusted ...	na	6.2	6.9	7.4	8.2	10.0	12.2	13.6	14.6	16.3	0.13	0.16	0.18	0.21	0.26	0.31	0.36	0.41	0.49
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	4.0	5.8	6.4	6.8	7.5	8.9	10.5	11.5	12.3	13.4	0.13	0.14	0.14	0.14	0.15	0.18	0.21	0.24	0.32
9-13 years old .....	7.0	6.4	7.1	7.6	8.5	10.4	12.9	14.6	16.0	18.4	0.11	0.11	0.12	0.13	0.16	0.28	0.43	0.59	0.98
14-18 years old .....	na	5.8	6.7	7.3	8.4	10.9	14.5	17.3	19.8	24.9	0.16	0.18	0.19	0.22	0.31	0.63	1.09	1.64	3.13
Total, age adjusted ...	na	5.9	6.6	7.2	8.1	10.2	12.9	14.8	16.4	19.5	0.07	0.07	0.07	0.08	0.11	0.23	0.38	0.55	1.01

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na EAR differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Food intake does not account for vitamin/mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intake of Individuals (CSFII)*.

**Table D-24—Mean usual intake of calcium in milligrams: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	960	12.3	1,118	984	20.4	270	» 905	16.7	673	955	19.7
9-13 years old .....	2,448	978	12.0	1,199	925	18.0	288	» 993	26.0	820	» 1,009	18.6
14-18 years old .....	1,513	957	19.3	712	918	25.2	186	967	59.1	510	957	27.1
Total, age adjusted ...	6,148	964	9.0	3,029	939	13.9	744	960	22.6	2,003	» 977	11.3
<b>Male</b>												
5-8 years old .....	1,084	1,031	21.3	535	1,016	41.9	130	944	30.7	356	1,062	28.4
9-13 years old .....	1,212	1,081	17.4	592	1,001	22.7	144	» 1,102	42.0	408	»» 1,132	26.0
14-18 years old .....	718	1,144	31.2	334	1,028	31.0	88	» 1,251	87.5	234	» 1,162	42.7
Total, age adjusted ...	3,014	1,086	15.1	1,461	1,015	21.6	362	» 1,109	36.2	998	»» 1,121	18.0
<b>Female</b>												
5-8 years old .....	1,103	879	11.0	583	955	19.5	140	» 866	31.5	317	»» 808	22.9
9-13 years old .....	1,236	871	14.3	607	850	20.4	144	889	41.1	412	877	21.1
14-18 years old .....	795	774	17.5	378	828	36.9	98	» 700	42.5	276	762	25.8
Total, age adjusted ...	3,134	836	7.4	1,568	871	16.1	382	» 811	20.6	1,005	» 817	11.5

Notes: Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFI)*.

'All Children' includes children with missing income.

**Table D-25—Mean usual intake of calcium as a percent of Adequate Intake (AI): School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	120.0	1.5	1,118	123.0	2.6	270	» 113.1	2.1	673	119.4	2.5
9-13 years old .....	2,448	75.2	0.9	1,199	71.1	1.4	288	» 76.4	2.0	820	» 77.6	1.4
14-18 years old .....	1,513	73.6	1.5	712	70.6	1.9	186	» 74.4	4.5	510	» 73.6	2.1
Total, age adjusted ...	6,148	83.3	0.8	3,029	81.2	1.2	744	» 82.9	2.0	2,003	» 84.5	1.0
<b>Male</b>												
5-8 years old .....	1,084	128.8	2.7	535	127.0	5.2	130	» 117.9	3.8	356	132.7	3.6
9-13 years old .....	1,212	83.2	1.3	592	77.0	1.8	144	» 84.8	3.2	408	» 87.1	2.0
14-18 years old .....	718	88.0	2.4	334	79.1	2.4	88	» 96.2	6.7	234	» 89.4	3.3
Total, age adjusted ...	3,014	94.3	1.3	1,461	88.2	1.9	362	» 96.4	3.2	998	» 97.4	1.6
<b>Female</b>												
5-8 years old .....	1,103	109.9	1.4	583	119.3	2.4	140	» 108.3	3.9	317	» 101.0	2.9
9-13 years old .....	1,236	67.0	1.1	607	65.4	1.6	144	» 68.4	3.2	412	» 67.4	1.6
14-18 years old .....	795	59.5	1.4	378	63.7	2.8	98	» 53.8	3.3	276	» 58.6	2.0
Total, age adjusted ...	3,134	71.8	0.6	1,568	74.8	1.4	382	» 69.7	1.8	1,005	» 70.2	1.0

Notes: Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFI)*.

'All Children' includes children with missing income.

**Table D-26—Distribution of usual calcium intake in milligrams: School-age children**

**Male**

	AI (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	800	606	688	745	830	999	1,195	1,320	1,412	1,562	16.40	16.30	16.40	16.60	18.50	25.30	32.20	38.10	49.10
9-13 years old .....	1,300	620	707	768	862	1,053	1,270	1,399	1,492	1,638	15.30	15.50	15.60	15.70	16.20	20.60	24.80	28.00	33.00
14-18 years old .....	1,300	530	635	712	836	1,095	1,400	1,585	1,719	1,929	22.40	23.40	24.30	26.20	31.10	38.40	43.00	46.60	52.90
Total, age adjusted ...	na	578	671	737	840	1,049	1,289	1,436	1,544	1,719	11.30	11.60	11.70	12.10	13.80	17.30	20.10	22.50	26.80
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	800	606	683	735	814	974	1,167	1,296	1,397	1,567	23.70	24.00	24.00	24.00	29.40	60.90	82.50	94.10	112.00
9-13 years old .....	1,300	617	696	750	832	990	1,157	1,252	1,319	1,421	23.30	22.80	22.40	22.00	22.60	24.80	26.20	27.30	29.30
14-18 years old .....	1,300	455	542	608	717	960	1,265	1,458	1,601	1,833	19.60	21.90	23.40	25.90	32.10	42.30	49.30	55.70	71.00
Total, age adjusted ...	na	551	636	696	789	976	1,193	1,330	1,434	1,610	14.10	14.50	14.80	15.20	18.00	26.00	35.40	43.30	54.90
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	800	571	645	697	777	932	1,098	1,191	1,256	1,354	31.70	31.60	31.60	31.90	33.30	35.50	37.00	38.30	40.80
9-13 years old .....	1,300	567	660	728	836	1,063	> 1,326	>> 1,481	>>> 1,593	>>>> 1,768	29.80	32.50	34.30	36.50	41.80	51.90	59.70	65.40	74.90
14-18 years old .....	1,300	640	> 759	> 843	>> 974	> 1,234	1,508	1,660	1,765	1,923	67.70	69.20	70.70	74.70	88.10	106.00	116.00	122.00	131.00
Total, age adjusted ...	na	593	689	757	865	1,084	1,326	1,465	1,563	1,713	26.40	27.00	27.80	29.60	35.20	44.20	50.40	54.90	61.90
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	800	614	700	759	852	1,039	1,248	1,369	1,455	1,586	23.30	23.30	23.50	24.50	27.80	33.60	38.10	41.90	48.60
9-13 years old .....	1,300	657	744	806	902	>> 1,100	>>> 1,327	>>>> 1,463	>>>>> 1,562	>>>>>> 1,719	23.50	23.00	22.70	22.50	23.70	29.40	35.30	40.60	51.20
14-18 years old .....	1,300	544	648	725	> 849	> 1,112	1,421	1,605	1,738	1,948	33.70	34.60	35.40	37.00	42.60	52.30	59.00	63.80	70.60
Total, age adjusted ...	na	601	> 696	> 763	>> 867	>>> 1,082	>>>> 1,335	>> 1,489	>> 1,599	1,773	15.50	15.40	15.50	15.80	17.80	21.70	24.00	25.70	28.60

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na Adequate Intake (AI) differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Food intake does not account for vitamin/mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intake of Individuals (CSFII)*.

**Table D-26—Distribution of usual calcium intake in milligrams: School-age children  
— Continued**

**Female**

	AI (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	800	520	589	638	713	862	1,027	1,123	1,191	1,295	10.00	10.30	10.50	10.70	11.10	13.60	15.60	16.70	18.60
9-13 years old .....	1,300	454	528	582	667	846	1,047	1,164	1,247	1,375	12.00	12.70	13.10	13.60	14.60	16.10	17.20	18.30	21.00
14-18 years old .....	1,300	376	442	490	568	736	937	1,062	1,154	1,302	10.30	11.10	11.80	13.20	16.90	22.30	26.40	29.80	35.90
Total, age adjusted ...	na	428	500	552	635	808	1,006	1,123	1,207	1,338	5.64	5.89	6.00	6.22	7.41	9.40	10.90	12.30	15.00
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	800	581	650	700	778	938	1,112	1,210	1,279	1,385	16.70	16.90	17.10	17.70	19.40	21.50	23.50	26.20	34.20
9-13 years old .....	1,300	483	551	599	675	831	1,004	1,104	1,175	1,284	15.40	16.50	17.40	18.70	20.80	23.30	25.10	26.50	29.30
14-18 years old .....	1,300	415	484	536	619	796	998	1,120	1,211	1,357	20.10	22.80	24.60	27.30	34.60	46.20	54.30	60.50	70.20
Total, age adjusted ...	na	469	541	592	673	842	1,040	1,157	1,240	1,368	8.67	9.59	10.30	11.50	15.10	20.80	24.40	26.80	30.30
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	800	517	580	625	697	844	1,011	1,110	1,180	1,290	26.80	28.30	28.90	29.40	32.30	40.10	44.70	47.50	51.50
9-13 years old .....	1,300	508	574	622	699	860	1,048	1,161	1,242	1,371	23.80	26.30	28.60	32.60	42.20	52.60	57.70	60.80	65.40
14-18 years old .....	1,300	>> 584	608	625	650	698	>>> 747	>>> 775	>>> 794	>>> 822	39.10	39.70	40.00	40.70	42.30	44.60	46.10	47.20	49.10
Total, age adjusted ...	na	491	552	596	663	796	> 943	>> 1,029	>> 1,090	>>> 1,184	16.80	17.10	17.40	18.00	20.50	24.90	27.50	29.30	31.70
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	800	>>> 469	>>> 534	>>> 579	>>> 650	>>> 793	>>> 950	>>> 1,040	>>> 1,103	>>> 1,199	19.50	20.60	21.20	21.90	23.50	26.00	27.80	29.40	32.30
9-13 years old .....	1,300	446	522	578	667	852	1,057	1,176	1,260	1,392	18.00	18.70	19.10	19.70	21.00	23.30	25.80	28.60	34.80
14-18 years old .....	1,300	347	411	460	540	716	934	1,070	1,170	1,332	15.50	17.00	18.10	19.90	24.80	31.90	37.50	42.70	53.10
Total, age adjusted ...	na	>>> 403	>>> 474	>>> 526	>>> 610	> 788	990	1,110	1,195	1,330	9.67	10.00	10.30	10.80	11.70	13.60	15.60	17.70	22.10

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na Adequate Intake (AI) differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Food intake does not account for vitamin/mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intake of Individuals (CSFII)*.

**Table D-26—Distribution of usual calcium intake in milligrams: School-age children  
— Continued**

**Both sexes**

	AI (mg/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	800	557	634	688	771	936	1,118	1,228	1,310	1,446	8.86	9.20	9.53	10.10	11.40	14.50	17.80	21.30	28.50
9-13 years old .....	1,300	517	600	660	755	950	1,169	1,297	1,388	1,533	9.88	10.10	10.20	10.50	11.40	13.50	15.70	17.70	21.70
14-18 years old .....	1,300	396	484	551	660	899	1,191	1,374	1,508	1,722	10.90	11.80	12.70	14.40	19.10	24.50	28.80	32.00	37.80
Total, age adjusted ...	na	479	564	626	724	928	1,161	1,302	1,404	1,570	5.99	6.32	6.55	6.92	8.19	10.50	12.40	14.00	17.30
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	800	586	660	712	792	952	1,136	1,253	1,341	1,489	15.30	15.20	15.20	15.60	17.60	23.60	31.20	38.90	55.00
9-13 years old .....	1,300	520	597	652	738	909	1,093	1,197	1,270	1,382	14.50	15.20	15.60	16.30	18.00	22.10	23.60	26.30	26.30
14-18 years old .....	1,300	398	478	539	638	857	1,130	1,305	1,436	1,650	15.10	16.30	17.20	18.90	23.50	33.10	39.40	43.70	51.80
Total, age adjusted ...	na	489	569	628	719	905	1,118	1,249	1,347	1,507	7.83	8.49	9.04	9.99	12.10	16.30	20.20	23.90	31.20
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	800	541	610	659	735	888	1,056	1,152	1,220	1,324	15.10	15.70	16.10	16.70	18.00	20.50	22.50	24.00	27.00
9-13 years old .....	1,300	527	606	664	756	954	1,187	> 1,328	>> 1,431	>>> 1,593	18.30	19.50	20.40	22.10	25.90	31.20	35.60	39.70	48.20
14-18 years old .....	1,300	494	578	639	735	937	1,166	1,300	1,396	1,545	35.10	38.40	40.90	45.20	57.00	73.90	84.10	91.30	102.00
Total, age adjusted ...	na	512	591	648	739	930	1,148	1,277	1,368	1,510	16.10	16.30	16.50	17.20	21.00	28.10	32.90	36.70	43.10
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	800	538	616	672	759	935	1,130	1,242	1,321	1,442	15.50	16.10	16.60	17.50	20.00	23.50	26.00	28.00	31.90
9-13 years old .....	1,300	532	617	679	777	978	>> 1,205	>>> 1,340	>>>> 1,437	>>>>> 1,592	14.00	14.40	14.70	15.30	17.20	21.20	24.90	28.50	36.00
14-18 years old .....	1,300	383	470	536	645	891	1,197	1,388	1,530	1,759	15.00	16.90	18.60	21.50	27.50	34.80	40.90	45.80	53.30
Total, age adjusted ...	na	473	561	625	727	939	> 1,184	>> 1,333	>> 1,442	> 1,614	8.93	9.43	9.75	10.20	11.00	13.20	15.10	16.50	19.20

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.  
na Adequate Intake (AI) differs for age or gender groups and is not applicable to pooled data.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Food intake does not account for vitamin/mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intake of Individuals (CSFII)*.

**Table D-27—Mean daily intake of milk (grams): School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error
<b>Both sexes</b>												
5-8 years .....	2,187	228.7	11.6	1,118	226.7	16.6	270	216.8	27.9	673	230.2	12.8
9-13 years .....	2,448	184.5	9.1	1,199	163.0	9.5	288	192.0	21.7	820	196.6	15.7
14-18 years .....	1,511	170.4	14.2	711	156.1	22.6	186	182.0	42.0	510	168.7	17.5
Total, age adjusted ...	6,146	192.0	7.6	3,028	178.5	11.1	744	195.5	18.6	2,003	196.2	9.8
<b>Male</b>												
5-8 years .....	1,084	252.4	18.7	535	240.5	34.2	130	223.7	29.2	356	264.8	20.6
9-13 years .....	1,212	213.8	11.7	592	176.0	13.6	144	226.5	24.0	408	232.6	22.2
14-18 years .....	717	211.2	19.4	333	168.6	23.5	88	250.9	72.4	234	212.2	29.2
Total, age adjusted ...	3,013	223.8	10.4	1,460	191.6	11.8	362	234.4	27.6	998	234.5	15.3
<b>Female</b>												
5-8 years .....	1,103	201.5	9.2	583	213.9	17.7	140	210.0	40.2	317	181.4	13.9
9-13 years .....	1,236	154.5	14.4	607	150.3	15.1	144	158.5	32.6	412	158.2	22.0
14-18 years .....	794	130.0	14.5	378	145.4	38.8	98	114.8	32.5	276	126.7	13.0
Total, age adjusted ...	3,133	159.1	8.3	1,568	166.5	16.2	382	157.5	17.3	1,005	153.6	10.9

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Exam file, 24-hour dietary recall. The 'All Children' column includes children with missing income.



**Table D-28—Mean number of 8-ounce servings of milk consumed per day: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error
<b>Both sexes</b>												
5-8 years .....	2,187	1.0	0.05	1,118	0.9	0.07	270	0.9	0.12	673	1.0	0.05
9-13 years .....	2,448	0.8	0.04	1,199	0.7	0.04	288	0.8	0.09	820	» 0.8	0.07
14-18 years .....	1,511	0.7	0.06	711	0.6	0.09	186	0.8	0.17	510	0.7	0.07
Total, age adjusted ...	6,146	0.8	0.03	3,028	0.7	0.05	744	0.8	0.08	2,003	0.8	0.04
<b>Male</b>												
5-8 years .....	1,084	1.0	0.08	535	1.0	0.14	130	0.9	0.12	356	1.1	0.09
9-13 years .....	1,212	0.9	0.05	592	0.7	0.06	144	» 0.9	0.10	408	» 1.0	0.09
14-18 years .....	717	0.9	0.08	333	0.7	0.10	88	1.0	0.30	234	0.9	0.12
Total, age adjusted ...	3,013	0.9	0.04	1,460	0.8	0.05	362	1.0	0.12	998	» 1.0	0.06
<b>Female</b>												
5-8 years .....	1,103	0.8	0.04	583	0.9	0.07	140	0.9	0.17	317	0.8	0.06
9-13 years .....	1,236	0.6	0.06	607	0.6	0.06	144	0.7	0.14	412	0.7	0.09
14-18 years .....	794	0.5	0.06	378	0.6	0.16	98	0.5	0.14	276	0.5	0.05
Total, age adjusted ...	3,133	0.7	0.03	1,568	0.7	0.07	382	0.7	0.07	1,005	0.6	0.05

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Exam file, 24-hour dietary recall. The 'All Children' column includes children with missing income.

**Table D-29—Mean daily intake of soft drinks (grams): School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error
<b>Both sexes</b>												
5-8 years .....	2,187	306.3	12.13	1,118	299.6	20.67	270	316.2	28.38	673	313.8	16.01
9-13 years .....	2,448	442.6	14.52	1,199	422.0	28.68	288	466.5	44.14	820	450.6	21.46
14-18 years .....	1,511	670.0	31.95	711	612.5	53.75	186	759.3	78.75	510	672.7	38.55
Total, age adjusted ...	6,146	484.8	14.19	3,028	455.0	24.04	744	527.9	34.56	2,003	490.8	16.66
<b>Male</b>												
5-8 years .....	1,084	331.3	17.79	535	319.5	28.92	130	326.4	41.70	356	342.0	26.04
9-13 years .....	1,212	489.6	21.17	592	476.6	49.06	144	591.3	72.68	408	478.3	18.91
14-18 years .....	717	797.2	46.32	333	745.9	99.93	88	922.8 *	123.42	234	800.4	56.35
Total, age adjusted ...	3,013	554.0	21.31	1,460	527.8	41.85	362	634.1	56.29	998	554.1	24.23
<b>Female</b>												
5-8 years .....	1,103	277.6	18.46	583	281.0	30.12	140	306.0	34.13	317	274.0	20.28
9-13 years .....	1,236	394.4	18.27	607	369.1	39.76	144	345.5	33.52	412	421.2	32.79
14-18 years .....	794	544.2	33.65	378	498.8	59.72	98	599.4	64.44	276	549.6	41.21
Total, age adjusted ...	3,133	414.6	13.65	1,568	390.3	27.77	382	424.4	27.93	1,005	425.2	16.76

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Exam file, 24-hour dietary recall. The 'All Children' column includes children with missing income.

**Table D-30—Mean number of 8-ounce servings of soft drinks consumed per day: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error
<b>Both sexes</b>												
5-8 years .....	2,187	1.3	0.05	1,118	1.2	0.09	270	1.3	0.12	673	1.3	0.07
9-13 years .....	2,448	1.8	0.06	1,199	1.8	0.12	288	1.9	0.18	820	1.9	0.09
14-18 years .....	1,511	2.8	0.13	711	2.6	0.22	186	3.2	0.33	510	2.8	0.16
Total, age adjusted ...	6,146	2.0	0.06	3,028	1.9	0.10	744	2.2	0.14	2,003	2.0	0.07
<b>Male</b>												
5-8 years .....	1,084	1.4	0.07	535	1.3	0.12	130	1.4	0.17	356	1.4	0.11
9-13 years .....	1,212	2.0	0.09	592	2.0	0.20	144	2.5	0.30	408	2.0	0.08
14-18 years .....	717	3.3	0.19	333	3.1	0.42	88	3.8 *	0.51	234	3.3	0.23
Total, age adjusted ...	3,013	2.3	0.09	1,460	2.2	0.17	362	2.6	0.23	998	2.3	0.10
<b>Female</b>												
5-8 years .....	1,103	1.2	0.08	583	1.2	0.13	140	1.3	0.14	317	1.1	0.08
9-13 years .....	1,236	1.6	0.08	607	1.5	0.17	144	1.4	0.14	412	1.8	0.14
14-18 years .....	794	2.3	0.14	378	2.1	0.25	98	2.5	0.27	276	2.3	0.17
Total, age adjusted ...	3,133	1.7	0.06	1,568	1.6	0.12	382	1.8	0.12	1,005	1.8	0.07

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Exam file, 24-hour dietary recall. The 'All Children' column includes children with missing income.

**Table D-31—Prevalence of dietary supplement use in the past month among school-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-8 years .....	2,491	40.0	2.2	1,245	26.2	3.1	305	36.2	5.5	785	>>>49.7	2.8
9-13 years .....	2,667	28.7	1.8	1,287	21.1	2.3	302	16.5	3.4	913	>>>35.3	3.1
14-18 years .....	1,642	24.4	1.9	745	14.3	2.0	197	>28.4	5.8	578	>>>29.4	2.8
Total, age adjusted ...	6,800	30.4	1.2	3,277	20.2	1.7	804	26.3	3.4	2,276	>>>37.3	1.7
<b>Male</b>												
5-8 years .....	1,256	42.1	2.9	600	25.4	3.7	150	29.6	7.3	421	>>>53.4	3.8
9-13 years .....	1,322	28.5	2.5	634	20.7	2.6	152	15.8	4.4	455	>>>35.4	3.7
14-18 years .....	779	23.9	2.9	353	9.5 *	2.4	93	27.8 *	9.4	265	>>>31.6	3.9
Total, age adjusted ...	3,357	30.7	1.7	1,587	18.1	2.0	395	24.0	4.7	1,141	>>>39.1	2.3
<b>Female</b>												
5-8 years .....	1,235	37.6	2.9	645	26.9	4.6	155	43.2	6.6	364	>>44.6	4.3
9-13 years .....	1,345	28.8	2.3	653	21.5	3.6	150	17.2	6.0	458	>35.1	4.0
14-18 years .....	863	24.8	2.4	392	18.6	3.1	104	29.0	7.3	313	>27.2	3.2
Total, age adjusted ...	3,443	29.9	1.6	1,690	22.0	2.4	409	28.7	4.4	1,135	>>>35.0	2.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-32—Number of dietary supplements taken by school-age children using dietary supplements in past month**

	All children				Lowest income: ≤ 130% poverty				Low-income: 131-185% poverty				Higher-income: > 185% poverty				
	Sample size	Number supplements used			Sample size	Number supplements used			Sample size	Number supplements used			Sample size	Number supplements used			
		One	Two	Three +		One	Two	Three +		One	Two	Three +		One	Two	Three +	
<b>Both sexes</b>																	
5-8 years .....	828	91.3	8.2	0.5 *	298	94.9	5.0	0.1 *	110	84.8	14.1	1.1 *	371	91.0	8.6	0.4 *	
9-13 years .....	581	84.4	13.4	2.1 *	206	84.8	14.0	1.2 *	54	89.8	9.2	1.0 *	280	84.1	14.0	1.9 *	
14-18 years .....	335	77.9	14.3	7.8	104	85.9	8.3	5.8 *	39	84.0	11.9	4.1 *	169	75.1	16.5	8.4 *	
Total, age adjusted ...	1,744	84.1	12.3	3.6	608	88.0	9.4	2.5 *	203	86.4	11.5	2.1 *	820	82.9	13.4	3.8 *	
<b>Male</b>																	
5-8 years .....	419	90.9	8.7	0.4 *	141	95.8	4.0	0.2 *	48	89.4	10.6	0.0 *	202	89.2	10.3	0.5 *	
9-13 years .....	283	81.2	17.6	1.2 *	107	82.9	15.4	1.8 *	25	83.3	16.7	0.0 *	138	81.0	18.6	0.4 *	
14-18 years .....	144	79.7	12.8	7.6 *	40	79.7	4.8	15.6 *	15	88.3	11.7	0.0 *	77	78.3	13.2	8.5 *	
Total, age adjusted ...	846	83.4	13.4	3.2 *	288	85.4	8.4	6.2 *	88	86.8	13.2	0.0	417	82.3	14.4	3.3 *	
<b>Female</b>																	
5-8 years .....	409	91.9	7.6	0.5 *	157	94.1	5.9	>0	62	81.5	16.7	1.9 *	169	94.1	5.6	0.4 *	
9-13 years .....	298	87.7	9.3	3.0 *	99	86.6	12.7	0.7 *	29	95.4	2.8	1.8 *	142	87.5	9.1	3.4 *	
14-18 years .....	191	76.2	15.9	7.9 *	64	88.7	9.9	1.4 *	24	79.8	12.0	8.2 *	92	71.5	20.2	8.3 *	
Total, age adjusted ...	898	84.8	11.2	4.0 *	320	89.4	9.8	0.8 *	115	85.9	10.0	4.1 *	403	83.7	12.0	4.3 *	
Standard errors																	
<b>Both sexes</b>																	
5-8 years .....	828	1.4	1.4	0.2	298	1.9	1.9	0.1	110	8.2	8.1	1.1	371	1.9	1.9	0.3	
9-13 years .....	581	2.4	2.5	0.8	206	6.7	6.7	0.8	54	5.9	5.8	1.0	280	3.6	3.6	0.9	
14-18 years .....	335	3.9	3.0	2.1	104	5.2	2.8	3.8	39	7.1	6.3	3.5	169	5.2	4.4	2.9	
Total, age adjusted ...	1,744	1.9	1.7	0.9	608	3.7	2.9	1.4	203	5.6	5.6	1.5	820	2.4	2.4	1.2	
<b>Male</b>																	
5-8 years .....	419	2.0	2.0	0.4	141	1.7	1.7	0.2	48	7.6	7.6	0.0	202	2.8	2.8	0.5	
9-13 years .....	283	4.3	4.3	0.6	107	7.8	7.7	1.5	25	11.0	11.0	0.0	138	6.0	6.0	0.3	
14-18 years .....	144	6.1	5.0	3.4	40	11.2	2.5	11.4	15	11.0	11.0	0.0	77	7.6	6.6	4.4	
Total, age adjusted ...	846	2.8	2.7	1.2	288	5.8	2.9	4.1	88	8.0	8.0	0.0	417	3.6	3.6	1.6	
<b>Female</b>																	
5-8 years .....	409	2.4	2.2	0.3	157	2.8	2.8	>0	62	10.2	10.1	1.9	169	2.6	2.5	0.4	
9-13 years .....	298	1.9	1.9	1.3	99	7.2	7.0	0.6	29	2.6	1.8	1.9	142	2.9	2.6	1.7	
14-18 years .....	191	4.0	3.5	2.8	64	4.3	4.1	0.9	24	7.9	6.2	6.9	92	6.2	5.4	4.1	
Total, age adjusted ...	898	1.8	1.6	1.2	320	3.4	3.2	0.4	115	4.4	4.0	2.8	403	2.6	2.2	1.7	

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences, compared to lowest income group, are noted by > (.05 level), >> (.01 level), or >>> (.001 level). The Bonferroni adjustment was used to adjust for the multiplicity of tests when examining multiple outcome categories.  
>0 Value is small to display.

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-33—Types of dietary supplements taken by school-age children using dietary supplements in past month<sup>1</sup>**

**All children**

	Sample size	Single vitamin		Multiple vitamin		Single mineral		Vitamin/mineral combo		Other supplements	
		Percent	Std Error	Percent	Std Error	Percent	Std Error	Percent	Std Error	Percent	Std Error
<b>Both sexes</b>											
5-8 years .....	828	7.9	1.8	56.3	4.0	5.6	1.4	35.0	4.2	0.9 *	0.3
9-13 years .....	581	19.9	3.4	52.8	3.5	2.9 *	1.1	34.3	3.4	3.0	1.0
14-18 years .....	335	33.4	4.2	35.4	5.0	13.6	1.9	36.3	5.1	7.4	2.0
Total, age adjusted ...	1,744	21.3	2.4	47.6	2.7	7.4	1.0	35.2	2.5	4.0	0.8
<b>Male</b>											
5-8 years .....	419	9.7	2.8	56.5	4.9	6.2	1.5	33.1	5.5	0.5 *	0.4
9-13 years .....	283	20.6	4.0	53.5	4.7	4.4 *	2.1	35.8	4.0	1.3 *	0.6
14-18 years .....	144	38.7	6.8	32.2	6.5	7.8 *	2.8	36.8	8.3	9.3 *	3.4
Total, age adjusted ...	846	23.9	3.0	46.8	3.2	6.1	1.5	35.4	3.4	3.9	1.2
<b>Female</b>											
5-8 years .....	409	5.5 *	2.1	56.1	4.3	4.9 *	2.0	37.4	4.7	1.4 *	0.6
9-13 years .....	298	19.3	5.4	52.0	4.9	1.3 *	0.5	32.8	5.7	4.7 *	2.0
14-18 years .....	191	28.3	5.6	38.6	6.1	19.1	3.3	35.8	6.1	5.7 *	2.5
Total, age adjusted ...	898	18.6	3.5	48.4	3.5	8.6	1.4	35.2	3.2	4.1	1.2

See footnotes at end of table.

**Table D-33—Types of dietary supplements taken by school-age children using dietary supplements in past month<sup>1</sup>**  
**— Continued**

**Children receiving food stamps or with income ≤ 130% of poverty**

	Sample size	Single vitamin		Multiple vitamin		Single mineral		Vitamin/mineral combo		Other supplements	
		Percent	Std Error	Percent	Std Error	Percent	Std Error	Percent	Std Error	Percent	Std Error
<b>Both sexes</b>											
5-8 years .....	298	9.6 *	4.9	46.6	5.6	3.8 *	1.4	40.8	6.9	0.9 *	0.7
9-13 years .....	206	31.2	8.5	40.3	6.7	3.5 *	1.3	35.2	6.4	1.2 *	0.8
14-18 years .....	104	19.1 *	6.1	31.1	8.3	15.8 *	6.0	37.6 *	8.6	9.0 *	4.8
Total, age adjusted ...	608	20.8	5.1	38.8	4.0	8.0	2.3	37.6	4.6	3.9	1.8
<b>Male</b>											
5-8 years .....	141	17.2 *	9.1	42.9	7.7	4.6 *	2.0	36.2	10.4	0.5 *	0.4
9-13 years .....	107	38.8 *	11.7	34.6	8.7	5.4 *	2.2	30.0 *	9.4	1.8 *	1.5
14-18 years .....	40	31.4 *	12.0	46.7 *	13.5	2.1 *	1.6	21.2 *	6.3	18.1 *	11.6
Total, age adjusted ...	288	30.1	7.9	41.2	6.3	4.0 *	1.2	28.6	6.2	7.2 *	4.2
<b>Female</b>											
5-8 years .....	157	3.0 *	2.1	49.7	5.4	3.1 *	1.8	44.8	5.7	1.3 *	1.3
9-13 years .....	99	24.1 *	9.5	45.5	8.2	1.8 *	0.8	39.9 *	7.7	0.8 *	0.8
14-18 years .....	64	13.6 *	5.4	24.0 *	9.9	22.0 *	8.6	45.0 *	11.5	4.8 *	4.7
Total, age adjusted ...	320	14.4	4.3	39.1	5.2	9.3	3.1	43.1	4.6	2.4 *	1.7

See footnotes at end of table.

**Table D-33—Types of dietary supplements taken by school-age children using dietary supplements in past month<sup>1</sup>  
— Continued**

**Children with income between 131-185% of poverty**

	Sample size	Single vitamin		Multiple vitamin		Single mineral		Vitamin/mineral combo		Other supplements	
		Percent	Std Error	Percent	Std Error	Percent	Std Error	Percent	Std Error	Percent	Std Error
<b>Both sexes</b>											
5-8 years .....	110	12.0 *	6.4	61.1	8.5	11.2 *	7.1	27.4	7.9	1.3 *	1.1
9-13 years .....	54	13.2 *	7.3	58.0 *	13.7	» 0.0 *	0.0	32.4 *	10.7	2.6 *	1.7
14-18 years .....	39	24.7 *	10.3	20.5 *	8.3	8.9 *	6.2	53.3 *	13.4	2.3 *	1.6
Total, age adjusted ...	203	16.9	6.8	45.6	7.5	6.3 *	3.0	38.4	6.9	2.1 *	1.2
<b>Male</b>											
5-8 years .....	48	10.3 *	7.6	» 70.6 *	11.1	8.7 *	7.2	18.8 *	9.1	0.4 *	0.4
9-13 years .....	25	25.8 *	14.4	49.2 *	17.0	» 0.0 *	0.0	36.6 *	15.5	3.6 *	2.8
14-18 years .....	15	14.1 *	11.6	» 11.0 *	8.6	0.6 *	0.6	» 72.7 *	15.5	3.2 *	3.0
Total, age adjusted ...	88	17.3 *	8.8	41.7	6.8	2.7 *	2.0	44.4	7.0	2.6 *	1.6
<b>Female</b>											
5-8 years .....	62	13.2 *	9.3	54.3 *	10.8	13.0 *	8.3	33.6 *	10.4	1.9 *	1.9
9-13 years .....	29	» 2.4 *	2.0	65.5 *	19.4	» 0.0 *	0.0	28.8 *	14.6	1.8 *	1.9
14-18 years .....	24	35.1 *	13.0	29.7 *	14.1	17.0 *	11.4	34.4 *	10.5	1.4 *	1.4
Total, age adjusted ...	115	17.0 *	5.4	49.7	10.9	9.7 *	4.7	32.2	8.2	1.7 *	1.7

See footnotes at end of table.



**Table D-33—Types of dietary supplements taken by school-age children using dietary supplements in past month<sup>1</sup>**  
**— Continued**

**Children with income > 185% of poverty**

	Sample size	Single vitamin		Multiple vitamin		Single mineral		Vitamin/mineral combo		Other supplements	
		Percent	Std Error	Percent	Std Error	Percent	Std Error	Percent	Std Error	Percent	Std Error
<b>Both sexes</b>											
5-8 years .....	371	6.9	1.8	58.4	5.8	3.7 *	1.1	36.0	5.9	0.8 *	0.4
9-13 years .....	280	16.4	4.4	» 57.0	4.8	2.7 *	1.4	34.0	3.9	2.9 *	1.7
14-18 years .....	169	» 38.4	5.3	38.3	6.6	15.0	2.9	33.7	5.5	7.1 *	2.4
Total, age adjusted ...	820	21.5	3.0	» 50.8	3.5	7.4	1.2	34.4	3.2	3.8	0.9
<b>Male</b>											
5-8 years .....	202	8.1 *	2.6	57.4	6.6	4.6 *	1.6	36.5	7.0	0.5 *	0.5
9-13 years .....	138	» 13.5	4.0	» 61.0	6.2	4.0 *	2.6	37.4	4.9	0.2 *	0.2
14-18 years .....	77	44.6	7.6	31.4 *	7.7	» 10.8 *	4.1	34.1	8.7	9.5 *	4.5
Total, age adjusted ...	417	23.0	3.2	49.5	3.8	6.6	1.7	36.0	3.9	3.6	1.6
<b>Female</b>											
5-8 years .....	169	4.8 *	2.4	60.0	7.2	2.2 *	1.2	35.0	7.4	1.4 *	0.8
9-13 years .....	142	19.6	8.2	52.8	6.8	1.3 *	0.7	30.3	6.6	5.8 *	3.4
14-18 years .....	92	» 31.4	7.5	46.2	8.5	19.9	5.5	33.1	7.7	4.4 *	2.2
Total, age adjusted ...	403	19.6	4.9	52.5	5.0	8.2	2.0	32.6	4.4	4.1	1.3

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> Percents do not sum to 100 because some respondents took two or more supplements.

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-34—Total Healthy Eating Index score: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error
<b>Both sexes</b>												
5-8 years .....	2,187	66.2	0.4	1,118	66.1	0.7	270	65.4	1.1	673	66.7	0.8
9-13 years .....	2,448	63.0	0.4	1,199	62.3	0.6	288	61.3	0.9	820	* 63.9	0.5
14-18 years .....	1,511	59.7	0.6	711	59.1	0.8	186	57.7	1.1	510	60.6	0.8
Total, age adjusted ...	6,146	62.8	0.3	3,028	62.3	0.5	744	61.2	0.7	2,003	63.6	0.5
<b>Male</b>												
5-8 years .....	1,084	66.3	0.7	535	66.8	0.8	130	64.6	1.5	356	66.8	0.9
9-13 years .....	1,212	62.4	0.4	592	61.3	0.8	144	61.2	1.6	408	* 63.6	0.7
14-18 years .....	717	60.0	0.8	333	57.6	1.0	88	58.3	1.3	234	** 61.8	1.1
Total, age adjusted ...	3,013	62.7	0.4	1,460	61.6	0.5	362	61.1	1.0	998	** 63.8	0.5
<b>Female</b>												
5-8 years .....	1,103	66.2	0.6	583	65.4	1.0	140	66.3	1.6	317	66.7	1.2
9-13 years .....	1,236	63.5	0.6	607	63.3	0.8	144	61.4	1.0	412	64.3	0.8
14-18 years .....	794	59.5	0.6	378	60.4	1.0	98	57.2	1.5	276	59.6	0.8
Total, age adjusted ...	3,133	62.8	0.4	1,568	62.9	0.7	382	61.3	0.8	1,005	63.3	0.7

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), \*\* (.01 level), or \*\*\* (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-35—Percent of school-age children by Healthy Eating Index ratings**

	All children				Lowest income: ≤ 130% poverty				Low-income: 131-185% poverty				Higher-income: > 185% poverty			
	Sample size	Poor	Needs Improvement	Good	Sample size	Poor	Needs Improvement	Good	Sample size	Poor	Needs Improvement	Good	Sample size	Poor	Needs Improvement	Good
<b>Both sexes</b>																
5-8 years .....	2,187	10.3	78.6	11.1	1,118	9.6	79.8	10.6	270	9.9	80.0	10.2	673	10.3	78.3	11.4
9-13 years .....	2,448	14.8	79.2	6.0	1,199	17.9	77.1	5.0	288	12.2	83.5	4.4	820	13.1	80.1	6.8
14-18 years .....	1,511	21.0	76.3	2.6	711	22.7	74.1	3.2	186	26.4	72.4	1.2	510	18.7	78.3	2.9
Total, age adjusted ...	6,146	15.8	78.0	6.2	3,028	17.3	76.8	5.9	744	16.6	78.6	4.9	2,003	14.3	79.0	6.8
<b>Male</b>																
5-8 years .....	1,084	9.8	80.8	9.4	535	8.7	80.4	10.9	130	12.0	83.0	5.0	356	8.4	82.5	9.1
9-13 years .....	1,212	14.5	79.6	5.9	592	19.0	77.0	3.9	144	13.1	81.9	5.0	408	12.2	80.4	7.4
14-18 years .....	717	19.2	78.0	2.7	333	25.1	72.7	2.3	88	20.8	79.1	0.2	234	15.8	80.1	4.0
Total, age adjusted ...	3,013	14.8	79.4	5.8	1,460	18.3	76.4	5.3	362	15.5	81.2	3.3	998	12.4	80.9	6.7
<b>Female</b>																
5-8 years .....	1,103	11.0	76.0	13.0	583	10.5	79.3	10.2	140	7.8	76.9	15.4	317	12.9	72.4	14.7
9-13 years .....	1,236	15.0	79.0	6.0	607	16.8	77.2	5.9	144	11.2	85.0	3.8	412	14.0	79.7	6.2
14-18 years .....	794	22.8	74.6	2.5	378	20.7	75.4	4.0	98	31.8	65.9	2.3	276	21.5	76.6	1.9
Total, age adjusted ...	3,133	16.7	76.6	6.8	1,568	16.4	77.2	6.4	382	17.6	76.0	6.5	1,005	16.4	76.6	7.1
<b>Standard errors</b>																
<b>Both sexes</b>																
5-8 years .....	2,187	1.3	1.6	1.1	1,118	1.3	2.0	1.7	270	3.6	4.6	3.1	673	2.4	2.3	1.9
9-13 years .....	2,448	1.0	1.2	0.7	1,199	1.8	1.8	1.2	288	2.2	2.6	2.0	820	1.5	2.0	1.2
14-18 years .....	1,511	1.8	1.8	0.7	711	2.5	2.5	1.1	186	4.9	4.6	1.0	510	2.6	2.9	1.1
Total, age adjusted ...	6,146	1.0	1.0	0.5	3,028	1.2	1.1	0.8	744	2.3	2.4	1.4	2,003	1.5	1.6	0.9
<b>Male</b>																
5-8 years .....	1,084	2.0	2.1	1.4	535	1.7	2.7	2.1	130	4.9	5.2	1.5	356	2.6	2.7	2.1
9-13 years .....	1,212	1.4	1.6	1.0	592	3.2	3.2	0.9	144	4.2	3.8	2.9	408	1.9	2.4	1.7
14-18 years .....	717	2.1	2.2	1.1	333	3.8	3.6	1.0	88	5.4	5.4	0.2	234	3.5	4.0	2.1
Total, age adjusted ...	3,013	1.2	1.4	0.8	1,460	1.7	1.8	0.8	362	2.8	2.9	1.2	998	1.7	1.9	1.3
<b>Female</b>																
5-8 years .....	1,103	1.8	2.0	1.8	583	2.0	2.7	2.6	140	3.3	6.3	5.6	317	3.9	3.5	3.1
9-13 years .....	1,236	1.8	2.1	1.2	607	1.9	2.5	2.1	144	2.7	3.6	2.3	412	2.8	3.2	1.5
14-18 years .....	794	2.5	2.6	0.8	378	3.6	3.9	1.8	98	6.7	6.1	2.0	276	3.4	3.6	0.9
Total, age adjusted ...	3,133	1.4	1.4	0.8	1,568	1.7	1.6	1.2	382	2.3	2.8	2.1	1,005	2.2	2.1	1.2

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences, compared to lowest income group, are noted by > (.05 level), >> (.01 level), or >>> (.001 level). The Bonferroni adjustment was used to adjust for the multiplicity of tests when examining multiple outcome categories.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-36—Healthy Eating Index component scores and food pyramid servings for grains: School-age children<sup>1</sup>**

	Mean HEI score				Mean # food pyramid servings				Percent meeting HEI recommendations			
	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty
<b>Both sexes</b>												
5-8 years .....	7.3	7.4	7.4	7.2	6.2	6.3	6.0	6.1	28.6	29.2	28.9	28.8
9-13 years .....	7.1	7.0	7.2	7.2	7.2	7.0	7.3	7.4	28.3	27.6	28.8	28.4
14-18 years .....	6.6	6.7	6.8	6.5	7.6	7.5	8.1	7.5	23.6	23.7	29.8	21.0
Total, age adjusted ...	7.0	7.0	7.1	7.0	7.1	7.0	7.2	7.1	26.7	26.6	29.2	25.9
<b>Male</b>												
5-8 years .....	7.6	7.9	7.6	7.5	6.7	7.0	6.3	6.7	34.6	37.9	32.3	34.9
9-13 years .....	7.4	7.2	7.2	7.7	8.2	7.5	8.2	8.7	36.0	29.0	38.7	39.8
14-18 years .....	7.1	6.7	7.7	7.1	9.2	8.4	10.6	9.4	31.9	27.1	45.2	30.5
Total, age adjusted ...	7.4	7.2	7.5	7.4	8.1	7.7	8.5	8.4	34.1	30.8	39.2	35.1
<b>Female</b>												
5-8 years .....	6.9	7.0	7.2	6.7	5.6	5.7	5.8	5.4	21.8	21.1	25.4	20.2
9-13 years .....	6.8	6.9	7.2	6.6	6.3	6.4	6.4	6.1	20.4	26.2	19.1	16.4
14-18 years .....	6.2	6.7	6.0	6.0	6.1	6.7	5.7	5.7	15.4	20.8	14.7 *	11.9
Total, age adjusted ...	6.6	6.8	6.8	6.4	6.0	6.3	6.0	5.8	19.0	22.8	19.3	15.9
Standard errors												
<b>Both sexes</b>												
5-8 years .....	0.11	0.19	0.25	0.15	0.14	0.28	0.25	0.16	1.6	3.0	4.2	1.9
9-13 years .....	0.10	0.14	0.30	0.12	0.18	0.23	0.49	0.22	1.8	2.1	4.8	2.3
14-18 years .....	0.13	0.19	0.32	0.18	0.25	0.28	0.66	0.34	1.9	2.7	4.9	2.5
Total, age adjusted ...	0.08	0.11	0.19	0.09	0.14	0.17	0.34	0.16	1.3	1.8	3.2	1.5
<b>Male</b>												
5-8 years .....	0.14	0.22	0.35	0.20	0.19	0.36	0.38	0.24	2.7	4.6	6.7	3.1
9-13 years .....	0.14	0.21	0.45	0.18	0.27	0.42	0.84	0.37	2.5	3.2	6.7	3.5
14-18 years .....	0.18	0.25	0.32	0.27	0.36	0.39	0.85	0.53	2.8	4.2	6.0	4.2
Total, age adjusted ...	0.12	0.13	0.22	0.15	0.21	0.24	0.43	0.27	2.0	2.4	3.8	2.7
<b>Female</b>												
5-8 years .....	0.14	0.26	0.34	0.23	0.15	0.30	0.32	0.21	1.6	2.8	4.1	2.6
9-13 years .....	0.14	0.19	0.34	0.18	0.16	0.21	0.37	0.20	2.0	3.8	4.2	2.1
14-18 years .....	0.17	0.26	0.44	0.21	0.23	0.40	0.53	0.26	2.3	4.0	7.2	2.6
Total, age adjusted ...	0.10	0.16	0.23	0.12	0.12	0.20	0.24	0.14	1.5	2.6	2.9	1.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> See Table D-34 for sample sizes.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-37—Healthy Eating Index component scores and food pyramid servings for vegetables: School-age children<sup>1</sup>**

	Mean HEI score				Mean # food pyramid servings				Percent meeting HEI recommendations			
	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty
<b>Both sexes</b>												
5-8 years .....	4.2	4.5	4.3	4.1	1.7	1.8	1.8	1.6	11.2	15.0	10.2	>> 9.0
9-13 years .....	4.4	4.5	4.7	4.3	2.1	2.1	2.5	2.1	12.9	11.0	12.9	14.3
14-18 years .....	4.5	4.4	4.4	4.5	2.3	2.4	2.2	2.3	12.8	14.8	8.7 *	12.6
Total, age adjusted ...	4.4	4.5	4.5	4.3	2.1	2.1	2.2	2.0	12.4	13.5	10.7	12.2
<b>Male</b>												
5-8 years .....	4.4	4.8	4.4	4.1	1.8	2.0	1.9	1.7	12.7	17.8	10.9 *	> 10.5
9-13 years .....	4.4	4.5	4.8	4.2	2.2	2.2	3.2	2.0	12.5	9.4	17.1	13.9
14-18 years .....	4.5	4.1	5.0	4.5	2.6	2.4	2.7 *	2.6	12.6	16.6	10.9 *	10.8
Total, age adjusted ...	4.4	4.4	4.8	4.3	2.2	2.2	2.6	2.1	12.6	14.3	13.2	11.8
<b>Female</b>												
5-8 years .....	4.1	4.2	4.1	4.0	1.7	1.7	1.8	1.6	9.5	12.4	9.6 *	7.0
9-13 years .....	4.5	4.5	4.6	4.4	2.1	2.0	1.9	2.1	13.4	12.6	8.9 *	14.8
14-18 years .....	4.4	4.7	3.8	4.5	2.1	2.3	1.6	2.1	12.9	13.3	6.6 *	14.4
Total, age adjusted ...	4.4	4.5	4.2	4.3	2.0	2.0	1.8	2.0	12.1	12.8	8.3	12.5
Standard errors												
<b>Both sexes</b>												
5-8 years .....	0.14	0.20	0.28	0.23	0.08	0.09	0.17	0.13	1.6	2.3	3.0	2.1
9-13 years .....	0.13	0.16	0.38	0.20	0.09	0.09	0.49	0.15	1.3	1.4	4.6	2.1
14-18 years .....	0.16	0.21	0.48	0.22	0.10	0.18	0.27	0.13	1.2	2.3	3.7	1.6
Total, age adjusted ...	0.10	0.13	0.27	0.13	0.06	0.08	0.23	0.08	0.8	1.2	2.6	1.2
<b>Male</b>												
5-8 years .....	0.24	0.33	0.41	0.33	0.12	0.16	0.20	0.17	2.6	3.8	3.9	3.2
9-13 years .....	0.18	0.19	0.70	0.27	0.12	0.11	0.92	0.15	1.5	1.5	8.8	2.5
14-18 years .....	0.25	0.33	0.72	0.29	0.16	0.25	0.40	0.19	2.1	2.9	5.5	2.3
Total, age adjusted ...	0.15	0.18	0.42	0.16	0.08	0.11	0.39	0.09	1.2	1.6	4.3	1.4
<b>Female</b>												
5-8 years .....	0.13	0.25	0.42	0.23	0.09	0.10	0.29	0.19	1.6	2.5	3.8	2.4
9-13 years .....	0.15	0.21	0.38	0.25	0.14	0.11	0.15	0.24	2.1	2.1	3.9	3.2
14-18 years .....	0.17	0.32	0.44	0.28	0.11	0.23	0.19	0.16	1.8	3.3	4.4	2.8
Total, age adjusted ...	0.09	0.18	0.24	0.16	0.06	0.10	0.11	0.12	0.9	1.7	1.9	1.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> See Table D-34 for sample sizes.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-38—Healthy Eating Index component scores and food pyramid servings for fruit: School-age children<sup>1</sup>**

	Mean HEI score				Mean # food pyramid servings				Percent meeting HEI recommendations			
	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty
<b>Both sexes</b>												
5-8 years .....	4.8	4.7	4.4	5.1	1.6	1.5	1.3	1.8	24.6	24.0	17.3	27.1
9-13 years .....	3.6	3.5	2.9	3.9	1.4	1.3	1.0	1.5	13.9	11.8	11.2	15.9
14-18 years .....	2.9	2.8	2.4	3.1	1.2	1.2	1.0	1.4	12.1	12.6	10.6	13.4
Total, age adjusted ...	3.7	3.6	3.1	4.0	1.4	1.3	1.1	1.5	16.3	15.5	12.8	18.2
<b>Male</b>												
5-8 years .....	5.0	5.1	4.1	5.2	1.7	1.7	1.2	1.8	26.0	25.9	17.2	28.5
9-13 years .....	3.3	3.1	2.8	3.5	1.3	1.1	1.1	1.5	11.6	10.0	9.8 *	13.5
14-18 years .....	2.9	2.6	2.6	3.2	1.4	1.1	1.2	1.7	13.2	9.2 *	12.9 *	17.4
Total, age adjusted ...	3.6	3.5	3.1	3.9	1.4	1.3	1.2	1.6	16.3	14.2	13.0	19.1
<b>Female</b>												
5-8 years .....	4.7	4.3	4.6	4.9	1.6	1.4	1.4	1.7	22.9	22.2	17.5	25.0
9-13 years .....	4.0	3.9	3.0	4.3	1.4	1.4	1.0	1.6	16.2	13.6	12.7	18.4
14-18 years .....	2.9	3.0	2.2	3.0	1.0	1.2	0.7	1.1	11.1	15.5	8.4 *	9.5
Total, age adjusted ...	3.8	3.7	3.2	4.0	1.3	1.3	1.0	1.4	16.3	16.7	12.5	17.1
<b>Standard errors</b>												
<b>Both sexes</b>												
5-8 years .....	0.22	0.26	0.39	0.30	0.10	0.11	0.12	0.13	1.9	2.3	3.0	2.8
9-13 years .....	0.18	0.18	0.23	0.27	0.09	0.11	0.10	0.14	1.6	1.5	2.6	2.5
14-18 years .....	0.19	0.26	0.42	0.28	0.09	0.12	0.21	0.14	1.5	2.5	3.8	2.2
Total, age adjusted ...	0.12	0.14	0.23	0.19	0.06	0.07	0.09	0.09	1.1	1.2	1.9	1.7
<b>Male</b>												
5-8 years .....	0.29	0.32	0.47	0.40	0.12	0.14	0.14	0.16	2.9	3.6	4.9	3.8
9-13 years .....	0.18	0.25	0.39	0.26	0.11	0.11	0.17	0.17	1.4	2.0	3.1	2.2
14-18 years .....	0.23	0.29	0.61	0.35	0.14	0.14	0.33	0.22	2.1	2.4	6.3	3.3
Total, age adjusted ...	0.14	0.13	0.33	0.22	0.07	0.06	0.15	0.11	1.2	1.1	2.9	2.1
<b>Female</b>												
5-8 years .....	0.29	0.40	0.71	0.33	0.12	0.15	0.23	0.15	2.2	3.2	4.4	3.1
9-13 years .....	0.25	0.25	0.30	0.38	0.12	0.18	0.11	0.18	2.4	2.2	3.4	3.9
14-18 years .....	0.23	0.44	0.41	0.38	0.09	0.22	0.16	0.14	2.0	4.5	4.1	3.0
Total, age adjusted ...	0.16	0.23	0.30	0.24	0.08	0.12	0.11	0.11	1.5	2.2	2.4	2.3

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> See Table D-34 for sample sizes.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-39—Healthy Eating Index component scores and food pyramid servings for dairy: School-age children<sup>1</sup>**

	Mean HEI score				Mean # food pyramid servings				Percent meeting HEI recommendations			
	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty
<b>Both sexes</b>												
5-8 years .....	8.4	8.3	8.4	8.4	2.7	2.7	2.4	2.8	60.4	59.4	56.2	61.2
9-13 years .....	7.3	7.0	7.5	7.4	2.7	2.5	2.8	2.8	44.9	41.0	43.1	48.0
14-18 years .....	6.1	5.9	6.1	6.2	2.6	2.6	2.4	2.6	29.5	26.8	30.7	30.4
Total, age adjusted ...	7.2	7.0	7.3	7.3	2.7	2.6	2.5	2.7	43.8	41.1	42.4	45.5
<b>Male</b>												
5-8 years .....	8.6	8.2	8.4	8.8	2.9	2.8	2.6	3.0	64.6	58.8	57.4	68.3
9-13 years .....	7.8	7.6	7.2	8.0	3.0	2.9	2.8	3.0	50.9	49.2	43.1	54.0
14-18 years .....	6.9	6.5	7.3	6.9	3.0	2.7	3.1	3.1	37.9	29.5	48.5	40.0
Total, age adjusted ...	7.7	7.4	7.6	7.8	2.9	2.8	2.8	3.0	50.2	44.9	49.1	53.1
<b>Female</b>												
5-8 years .....	8.2	8.5	8.4	7.9	2.6	2.7	2.3	2.5	55.5	59.9	55.0	51.2
9-13 years .....	6.8	6.4	7.8	6.8	2.4	2.1	2.7	2.5	38.8	33.0	43.1	41.6
14-18 years .....	5.4	5.5	5.0	5.4	2.2	2.6	1.8	2.0	21.2	24.5	13.3 *	21.1
Total, age adjusted ...	6.7	6.6	7.0	6.6	2.4	2.4	2.2	2.3	37.3	37.6	35.9	37.0
Standard errors												
<b>Both sexes</b>												
5-8 years .....	0.09	0.18	0.19	0.17	0.07	0.13	0.09	0.12	1.9	3.3	4.4	3.3
9-13 years .....	0.14	0.18	0.26	0.21	0.08	0.16	0.14	0.11	1.7	2.3	3.3	2.5
14-18 years .....	0.15	0.23	0.36	0.24	0.13	0.27	0.24	0.15	2.0	2.4	4.9	3.0
Total, age adjusted ...	0.08	0.12	0.17	0.13	0.06	0.12	0.10	0.08	1.1	1.6	2.6	1.7
<b>Male</b>												
5-8 years .....	0.13	0.28	0.30	0.18	0.11	0.23	0.19	0.15	2.5	5.0	6.4	3.7
9-13 years .....	0.16	0.30	0.43	0.23	0.11	0.28	0.26	0.13	2.5	3.7	4.9	3.5
14-18 years .....	0.21	0.30	0.45	0.32	0.15	0.17	0.37	0.25	3.3	3.5	7.4	5.2
Total, age adjusted ...	0.09	0.16	0.23	0.14	0.07	0.12	0.16	0.11	1.5	2.2	3.7	2.4
<b>Female</b>												
5-8 years .....	0.14	0.18	0.33	0.29	0.09	0.15	0.17	0.18	2.9	4.2	6.6	5.2
9-13 years .....	0.21	0.21	0.26	0.32	0.11	0.12	0.23	0.17	2.6	3.1	7.2	3.9
14-18 years .....	0.17	0.35	0.47	0.28	0.18	0.50	0.20	0.17	2.2	4.2	5.6	3.4
Total, age adjusted ...	0.11	0.14	0.22	0.19	0.08	0.19	0.12	0.10	1.2	2.2	3.6	2.2

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> See Table D-34 for sample sizes.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-40—Healthy Eating Index component scores and food pyramid servings for meat: School-age children<sup>1</sup>**

	Mean HEI score				Mean # food pyramid servings				Percent meeting HEI recommendations			
	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty
<b>Both sexes</b>												
5-8 years .....	5.7	6.1	⁂ 5.4	⁂ 5.5	1.4	1.4	1.3	1.4	19.0	20.4	18.1	18.4
9-13 years .....	6.2	6.6	⁂ 5.9	⁂⁂ 6.0	1.7	1.8	1.6	1.7	27.0	31.3	23.4	25.0
14-18 years .....	6.4	6.9	6.1	⁂⁂ 6.3	2.0	2.2	2.0	2.0	31.4	35.8	26.0	29.6
Total, age adjusted ...	6.1	6.6	⁂⁂⁂ 5.8	⁂⁂⁂ 5.9	1.7	1.8	1.6	1.7	26.3	29.8	⁂⁂ 22.8	⁂ 24.8
<b>Male</b>												
5-8 years .....	5.8	6.3	⁂ 5.3	5.6	1.4	1.5	1.2	1.4	20.2	21.1	17.5	20.3
9-13 years .....	6.4	7.1	⁂ 6.3	⁂⁂ 6.0	1.9	2.0	1.8	1.8	28.4	37.0	⁂ 21.2	⁂ 25.7
14-18 years .....	7.1	7.1	6.5	7.4	2.5	2.6	2.5	2.6	39.2	39.6	36.4	39.9
Total, age adjusted ...	6.5	6.9	⁂ 6.1	6.4	2.0	2.1	1.9	2.0	29.9	33.4	⁂ 25.5	29.2
<b>Female</b>												
5-8 years .....	5.6	5.9	5.4	5.3	1.3	1.3	1.3	1.3	17.6	19.8	18.7	15.7
9-13 years .....	5.9	6.0	5.4	5.9	1.6	1.5	1.4	1.6	25.5	25.9	25.6	24.2
14-18 years .....	5.8	6.8	5.8	⁂⁂ 5.2	1.6	1.8	1.5	⁂⁂⁂ 1.4	23.7	32.4	⁂⁂ 15.9 *	⁂⁂ 19.7
Total, age adjusted ...	5.8	6.3	⁂ 5.5	⁂⁂⁂ 5.5	1.5	1.6	1.4	1.4	22.6	26.5	20.2	⁂ 20.2
Standard errors												
<b>Both sexes</b>												
5-8 years .....	0.13	0.15	0.29	0.21	0.04	0.05	0.09	0.07	1.3	2.0	3.5	2.3
9-13 years .....	0.12	0.14	0.27	0.18	0.05	0.06	0.11	0.09	1.4	2.1	3.4	2.5
14-18 years .....	0.16	0.24	0.34	0.19	0.07	0.12	0.17	0.09	2.2	3.5	4.3	2.4
Total, age adjusted ...	0.10	0.12	0.16	0.14	0.04	0.06	0.07	0.05	1.2	1.6	2.1	1.5
<b>Male</b>												
5-8 years .....	0.17	0.29	0.38	0.25	0.05	0.08	0.11	0.08	1.6	3.2	5.2	2.7
9-13 years .....	0.18	0.23	0.34	0.25	0.08	0.09	0.14	0.14	2.1	4.2	5.4	2.8
14-18 years .....	0.18	0.33	0.42	0.24	0.09	0.19	0.31	0.12	2.6	4.0	7.2	3.6
Total, age adjusted ...	0.10	0.16	0.19	0.16	0.05	0.08	0.11	0.08	1.3	2.3	3.0	2.1
<b>Female</b>												
5-8 years .....	0.17	0.23	0.40	0.25	0.05	0.08	0.14	0.08	2.1	3.3	5.4	3.1
9-13 years .....	0.16	0.23	0.39	0.24	0.06	0.08	0.12	0.11	2.1	2.3	5.2	3.7
14-18 years .....	0.23	0.28	0.54	0.26	0.08	0.12	0.14	0.09	2.7	4.6	4.2	3.0
Total, age adjusted ...	0.13	0.16	0.28	0.17	0.04	0.06	0.09	0.06	1.5	2.2	3.3	2.0

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by ⁂ (.05 level), ⁂⁂ (.01 level), or ⁂⁂⁂ (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> See Table D-34 for sample sizes.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.



**Table D-41—Healthy Eating Index component scores for variety: School-age children<sup>1</sup>**

	Mean HEI score				Percent meeting HEI recommendations			
	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty
<b>Both sexes</b>								
5-8 years .....	7.9	8.1	* 7.3	8.0	56.3	56.4	45.8	59.2
9-13 years .....	8.0	7.8	7.9	8.2	57.5	53.6	55.6	60.2
14-18 years .....	7.3	7.0	6.9	7.4	48.6	43.3	45.7	50.4
Total, age adjusted ...	7.7	7.6	7.4	7.9	54.0	50.7	49.3	* 56.4
<b>Male</b>								
5-8 years .....	8.1	8.2	7.5	8.3	59.2	57.7	50.2	63.4
9-13 years .....	8.1	8.3	7.8	8.1	58.0	59.1	55.0	58.4
14-18 years .....	7.7	7.1	8.0	* 7.8	54.5	45.2	59.5	55.0
Total, age adjusted ...	8.0	7.8	7.8	8.1	57.1	53.8	55.3	58.6
<b>Female</b>								
5-8 years .....	7.7	8.0	* 7.2	7.6	53.0	55.1	41.5	53.3
9-13 years .....	8.0	7.4	8.0	** 8.3	57.0	48.2	56.1	* 62.1
14-18 years .....	6.9	7.0	* 5.8	7.0	42.7	41.6	32.1	46.0
Total, age adjusted ...	7.5	7.4	7.0	7.7	50.8	47.8	43.5	53.9
<b>Standard errors</b>								
<b>Both sexes</b>								
5-8 years .....	0.11	0.16	0.30	0.18	2.0	3.1	5.0	3.1
9-13 years .....	0.09	0.16	0.28	0.13	1.7	3.0	5.2	2.7
14-18 years .....	0.18	0.19	0.50	0.26	2.7	3.3	6.1	3.8
Total, age adjusted ...	0.09	0.09	0.26	0.12	1.3	1.7	3.5	1.8
<b>Male</b>								
5-8 years .....	0.16	0.19	0.43	0.22	2.8	3.9	7.5	4.1
9-13 years .....	0.15	0.21	0.35	0.23	2.9	5.2	6.7	4.0
14-18 years .....	0.21	0.28	0.56	0.27	3.0	3.8	8.2	4.3
Total, age adjusted ...	0.12	0.16	0.30	0.15	1.9	2.5	5.0	2.3
<b>Female</b>								
5-8 years .....	0.15	0.24	0.36	0.26	3.0	4.8	6.4	4.0
9-13 years .....	0.10	0.20	0.34	0.16	2.0	3.8	5.9	3.7
14-18 years .....	0.21	0.26	0.54	0.33	3.2	4.6	5.9	5.2
Total, age adjusted ...	0.10	0.11	0.28	0.16	1.7	2.3	4.0	2.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by \* (.05 level), \*\* (.01 level), or \*\*\* (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> See Table D-34 for sample sizes.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-42—Healthy Eating Index component scores for total fat: School-age children<sup>1</sup>**

	Mean HEI score				Percent meeting HEI recommendations			
	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty
<b>Both sexes</b>								
5-8 years .....	6.9	6.8	6.8	7.0	32.2	30.6	25.4	36.1
9-13 years .....	6.6	6.4	6.3	6.9	31.7	31.3	27.8	33.2
14-18 years .....	6.7	6.4	6.4	6.9	31.4	32.8	26.8	31.6
Total, age adjusted ...	6.7	6.5	6.4	6.9	31.8	31.6	26.8	33.4
<b>Male</b>								
5-8 years .....	6.7	6.6	6.6	6.9	31.6	31.9	20.3	34.9
9-13 years .....	6.6	6.0	6.6	7.0	33.0	25.9	30.4	38.1
14-18 years .....	6.9	6.5	6.4	7.3	31.4	31.3	25.0	32.7
Total, age adjusted ...	6.8	6.4	6.5	7.1	32.0	29.5	25.6	35.3
<b>Female</b>								
5-8 years .....	7.1	7.0	7.0	7.3	32.8	29.4	30.6	37.8
9-13 years .....	6.6	6.8	6.0	6.7	30.4	36.5	25.2	27.9
14-18 years .....	6.5	6.3	6.3	6.6	31.5	34.1	28.5	30.4
Total, age adjusted ...	6.7	6.7	6.4	6.8	31.5	33.6	27.9	31.6
<b>Standard errors</b>								
<b>Both sexes</b>								
5-8 years .....	0.14	0.17	0.37	0.23	1.7	2.3	3.8	2.9
9-13 years .....	0.11	0.15	0.20	0.17	1.4	2.2	3.2	2.0
14-18 years .....	0.12	0.26	0.41	0.17	2.2	4.1	4.1	3.0
Total, age adjusted ...	0.07	0.12	0.18	0.10	1.2	2.0	2.1	1.5
<b>Male</b>								
5-8 years .....	0.22	0.27	0.45	0.33	2.6	3.8	4.9	4.1
9-13 years .....	0.14	0.32	0.37	0.19	1.7	3.8	5.5	2.5
14-18 years .....	0.17	0.36	0.59	0.28	3.1	5.8	6.3	4.4
Total, age adjusted ...	0.09	0.19	0.27	0.13	1.5	2.8	3.4	1.8
<b>Female</b>								
5-8 years .....	0.16	0.25	0.48	0.31	2.4	2.9	6.8	4.2
9-13 years .....	0.16	0.24	0.34	0.26	2.5	3.9	4.7	3.5
14-18 years .....	0.20	0.32	0.58	0.24	2.7	4.8	7.5	3.5
Total, age adjusted ...	0.11	0.20	0.29	0.15	1.8	2.7	4.0	2.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> See Table D-34 for sample sizes.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-43—Healthy Eating Index component scores for saturated fat: School-age children<sup>1</sup>**

	Mean HEI score				Percent meeting HEI recommendations			
	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty
<b>Both sexes</b>								
5-8 years .....	5.1	4.9	5.2	5.2	23.0	20.4	19.4	26.7
9-13 years .....	5.4	5.4	5.1	5.6	29.1	27.3	26.2	30.9
14-18 years .....	6.0	5.9	5.6	6.2	33.2	34.3	29.7	34.9
Total, age adjusted ...	5.5	5.4	5.3	5.7	28.8	27.8	25.5	31.1
<b>Male</b>								
5-8 years .....	4.9	5.1	4.9	4.9	21.7	25.4	» 13.0 *	22.0
9-13 years .....	5.3	4.7	5.7	» 5.6	27.0	21.6	» 31.7	29.4
14-18 years .....	5.9	5.6	4.9	6.5	30.5	30.9	24.5	34.0
Total, age adjusted ...	5.4	5.2	5.2	» 5.7	26.8	26.0	23.9	29.0
<b>Female</b>								
5-8 years .....	5.3	4.8	5.6	» 5.8	24.5	15.8	» 25.8	»» 33.3
9-13 years .....	5.6	6.0	» 4.4	5.6	31.2	32.8	» 20.9	32.4
14-18 years .....	6.1	6.1	6.2	6.0	35.8	37.2	34.7	35.7
Total, age adjusted ...	5.7	5.7	5.4	5.8	31.0	29.6	27.2	33.8
<b>Standard errors</b>								
<b>Both sexes</b>								
5-8 years .....	0.18	0.23	0.34	0.32	1.5	2.4	3.9	3.0
9-13 years .....	0.14	0.21	0.30	0.21	1.8	2.4	3.6	2.6
14-18 years .....	0.18	0.30	0.35	0.22	2.1	3.1	3.9	2.7
Total, age adjusted ...	0.12	0.17	0.20	0.17	1.3	1.8	2.2	1.9
<b>Male</b>								
5-8 years .....	0.26	0.31	0.41	0.44	2.5	3.6	3.6	4.1
9-13 years .....	0.18	0.38	0.57	0.23	1.8	3.7	6.8	2.6
14-18 years .....	0.26	0.43	0.60	0.36	3.0	5.1	5.9	4.4
Total, age adjusted ...	0.15	0.21	0.31	0.21	1.7	2.4	3.4	2.2
<b>Female</b>								
5-8 years .....	0.21	0.33	0.58	0.32	2.3	3.0	7.1	3.4
9-13 years .....	0.23	0.27	0.49	0.36	3.0	3.4	3.5	4.3
14-18 years .....	0.19	0.40	0.53	0.26	2.4	4.7	6.0	3.3
Total, age adjusted ...	0.13	0.22	0.30	0.19	1.6	2.3	3.5	2.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> See Table D-34 for sample sizes.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-44—Healthy Eating Index component scores for cholesterol: School-age children<sup>1</sup>**

	Mean HEI score				Percent meeting HEI recommendations			
	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty
<b>Both sexes</b>								
5-8 years .....	8.7	8.6	9.1	8.7	80.6	79.4	83.0	81.3
9-13 years .....	8.2	8.1	8.2	8.4	75.2	74.5	74.4	76.6
14-18 years .....	7.9	7.6	7.9	8.1	70.4	66.1	69.7	73.0
Total, age adjusted ...	8.3	8.1	8.3	8.4	75.0	72.9	75.2	76.7
<b>Male</b>								
5-8 years .....	8.6	8.6	8.9	8.5	79.2	79.4	77.9	79.8
9-13 years .....	7.9	7.6	7.6	8.2	70.9	68.4	62.5	74.9
14-18 years .....	7.1	6.7	6.4	7.3	59.5	55.3	51.9	62.1
Total, age adjusted ...	7.8	7.6	7.5	8.0	69.2	66.9	63.1	71.8
<b>Female</b>								
5-8 years .....	8.8	8.6	<sup>1</sup> 9.3	8.9	82.2	79.4	<sup>1</sup> 88.1 *	83.4
9-13 years .....	8.6	8.7	8.9	8.6	79.6	80.5	86.0 *	78.5
14-18 years .....	8.7	8.4	<sup>1</sup> 9.3	8.8	81.1	75.2	87.1 *	83.5
Total, age adjusted ...	8.7	8.5	<sup>1</sup> 9.1	8.8	80.8	78.3	<sup>1</sup> 87.0	81.7
<b>Standard errors</b>								
<b>Both sexes</b>								
5-8 years .....	0.14	0.21	0.18	0.26	1.8	2.5	3.1	3.0
9-13 years .....	0.13	0.21	0.44	0.15	1.4	2.4	4.6	2.0
14-18 years .....	0.14	0.22	0.39	0.19	2.0	3.1	4.9	3.0
Total, age adjusted ...	0.08	0.13	0.25	0.12	1.2	1.6	2.8	1.9
<b>Male</b>								
5-8 years .....	0.20	0.21	0.33	0.36	2.2	2.7	6.1	3.7
9-13 years .....	0.20	0.34	0.55	0.26	2.1	3.4	5.9	3.1
14-18 years .....	0.23	0.32	0.63	0.30	3.0	4.0	7.0	4.6
Total, age adjusted ...	0.12	0.21	0.33	0.20	1.4	2.3	3.6	2.8
<b>Female</b>								
5-8 years .....	0.17	0.27	0.24	0.31	2.1	3.4	3.8	3.4
9-13 years .....	0.12	0.19	0.38	0.15	1.6	2.3	4.4	2.4
14-18 years .....	0.18	0.31	0.31	0.21	2.7	4.8	5.6	3.2
Total, age adjusted ...	0.08	0.13	0.20	0.13	1.4	1.9	2.9	2.0

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by <sup>1</sup> (.05 level), <sup>11</sup> (.01 level), or <sup>111</sup> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> See Table D-34 for sample sizes.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-45—Healthy Eating Index component scores for sodium: School-age children<sup>1</sup>**

	Mean HEI score				Percent meeting HEI recommendations			
	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty	All children	Lowest income: ≤ 130% poverty	Low-income: 131-185% poverty	Higher-income: > 185% poverty
<b>Both sexes</b>								
5-8 years .....	7.2	6.7	7.1	>> 7.5	36.3	29.1	36.5	>> 40.1
9-13 years .....	6.0	6.0	5.6	6.0	29.6	31.1	28.6	28.8
14-18 years .....	5.3	5.4	5.2	5.4	29.0	28.2	31.9	29.5
Total, age adjusted ...	6.1	6.0	5.9	6.2	31.3	29.5	32.0	32.2
<b>Male</b>								
5-8 years .....	6.7	6.0	6.9	> 6.9	31.1	26.8	33.8	30.8
9-13 years .....	5.3	5.2	5.1	5.3	24.7	26.2	23.4	23.8
14-18 years .....	4.0	4.7	3.4	3.7	16.2	24.5	13.4 *	> 12.4
Total, age adjusted ...	5.2	5.3	5.0	5.2	23.5	25.8	22.8	21.7
<b>Female</b>								
5-8 years .....	7.8	7.3	7.4	>>> 8.3	42.4	31.2	39.2	>>> 53.2
9-13 years .....	6.7	6.8	6.0	6.9	34.6	35.8	33.6	34.2
14-18 years .....	6.6	6.1	6.9	> 6.9	41.5	31.3	> 50.0	> 46.0
Total, age adjusted ...	7.0	6.7	6.7	>> 7.3	39.2	32.9	41.0	>>> 43.8
<b>Standard errors</b>								
<b>Both sexes</b>								
5-8 years .....	0.12	0.20	0.27	0.16	1.9	2.6	4.3	2.8
9-13 years .....	0.14	0.17	0.46	0.21	1.6	2.1	4.6	2.3
14-18 years .....	0.24	0.29	0.63	0.30	2.5	3.6	5.6	3.6
Total, age adjusted ...	0.13	0.15	0.34	0.14	1.4	1.9	3.1	1.7
<b>Male</b>								
5-8 years .....	0.19	0.33	0.51	0.25	2.8	4.4	6.3	4.1
9-13 years .....	0.22	0.25	0.65	0.31	2.5	2.8	5.3	3.9
14-18 years .....	0.24	0.42	0.74	0.32	2.6	5.3	4.9	3.0
Total, age adjusted ...	0.16	0.21	0.41	0.20	1.9	2.8	3.5	2.4
<b>Female</b>								
5-8 years .....	0.13	0.19	0.34	0.21	2.4	3.1	5.7	3.8
9-13 years .....	0.15	0.22	0.44	0.25	2.0	3.3	7.3	2.8
14-18 years .....	0.29	0.41	0.62	0.35	3.5	3.8	8.3	5.2
Total, age adjusted ...	0.12	0.18	0.32	0.16	1.7	2.1	4.3	2.2

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> See Table D-34 for sample sizes.

Source: NHANES-III, 1988-94: Healthy Eating Index Data File. The 'All Children' column includes children with missing income.

**Table D-46—Mean percent of usual energy intake from total fat: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	33.4	0.16	1,118	34.0	0.21	270	34.0	0.47	673	***32.7	0.29
9-13 years old .....	2,448	33.7	0.16	1,199	34.1	0.27	288	34.6	0.31	820	ˆ 33.3	0.25
14-18 years old .....	1,511	33.6	0.23	711	34.1	0.36	186	35.1	0.56	510	ˆ 33.0	0.32
Total, age adjusted ...	6,146	33.6	0.12	3,028	34.0	0.19	744	34.6	0.27	2,003	***33.0	0.14
<b>Male</b>												
5-8 years old .....	1,084	33.6	0.27	535	34.1	0.33	130	34.3	0.66	356	ˆ 32.9	0.44
9-13 years old .....	1,212	33.8	0.24	592	–	–	144	34.0	0.61	408	32.9	0.33
14-18 years old .....	717	33.0	0.34	333	33.9	0.58	88	34.8	0.80	234	ˆˆ 31.9	0.44
Total, age adjusted ...	3,013	33.5	0.17	1,460	34.5	0.29	362	34.4	0.44	998	***32.5	0.20
<b>Female</b>												
5-8 years old .....	1,103	33.3	0.21	583	33.8	0.32	140	33.6	0.75	317	ˆˆ 32.5	0.42
9-13 years old .....	1,236	33.6	0.21	607	32.8	0.40	144	***35.2	0.51	412	ˆ 33.8	0.29
14-18 years old .....	794	34.3	0.35	378	34.2	0.41	98	35.3	0.91	276	34.0	0.45
Total, age adjusted ...	3,133	33.7	0.20	1,568	33.6	0.28	382	ˆ 34.7	0.48	1,005	33.5	0.24

Notes: Significant differences in means and proportions are noted by ˆ (.05 level), ˆˆ (.01 level), or \*\*\* (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
 – Estimate of usual intake could not be obtained for the gender-age group cell. The cell was pooled with a neighboring age group to determine its contribution to the 'Total, age-adjusted' row.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*.  
 'All Children' includes children with missing income.

**Table D-47—Percent of school-age children meeting Dietary Guidelines recommendation for usual intake of total fat<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	17.6	1.15	1,118	11.1	1.13	270	15.4	2.47	673	***24.2	2.49
9-13 years old .....	2,448	14.8	1.32	1,199	15.5	1.47	288	**7.3	1.72	820	16.6	2.13
14-18 years old .....	1,511	19.2	1.59	711	12.1	2.37	186	*4.4	1.45	510	**26.1	2.37
Total, age adjusted ...	6,146	17.6	0.86	3,028	13.7	1.24	744	*9.6	1.26	2,003	**22.4	1.14
<b>Male</b>												
5-8 years old .....	1,084	16.0	2.11	535	12.3	2.08	130	12.4	4.00	356	19.9	4.06
9-13 years old .....	1,212	10.7	1.85	592	—	—	144	5.7	3.70	408	19.0	3.20
14-18 years old .....	717	21.0	2.93	333	14.8	4.42	88	8.5	2.94	234	*29.9	4.35
Total, age adjusted ...	3,013	16.3	1.39	1,460	9.6	1.51	362	10.7	2.34	998	**22.9	2.00
<b>Female</b>												
5-8 years old .....	1,103	19.3	1.34	583	9.7	1.76	140	17.0	5.22	317	**28.3	3.16
9-13 years old .....	1,236	18.2	1.54	607	27.9	3.01	144	**6.5	1.92	412	**13.9	1.92
14-18 years old .....	794	17.3	1.78	378	7.4	2.20	98	*1.2	1.63	276	**22.1	2.45
Total, age adjusted ...	3,133	18.5	1.27	1,568	17.6	1.96	382	*8.7	2.27	1,005	21.1	1.65

Notes: Significant differences in means and proportions are noted by \* (.05 level), \*\* (.01 level), or \*\*\* (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Recommended intake of total fat is less than or equal to 30 percent of total calories.

— Estimate of usual intake could not be obtained for the gender-age group cell. The cell was pooled with a neighboring age group to determine its contribution to the 'Total, age-adjusted' row.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-48—Distribution of usual intake of total fat as a percent of usual energy intake: School-age children**

**Male**

	Percentiles									Standard errors of percentiles									
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th	
<b>All children</b>																			
5-8 years old .....	27.6	29.0	29.8	31.2	33.6	36.0	37.3	38.1	39.4	0.36	0.33	0.32	0.29	0.26	0.26	0.28	0.29	0.30	
9-13 years old .....	28.8	29.9	30.6	31.7	33.8	35.9	37.0	37.8	38.9	0.30	0.29	0.28	0.27	0.25	0.22	0.21	0.21	0.21	
14-18 years old .....	26.7	28.1	29.1	30.5	33.1	35.6	36.9	37.8	39.1	0.45	0.42	0.40	0.38	0.34	0.32	0.33	0.33	0.33	
Total, age adjusted ...	27.6	28.9	29.8	31.1	33.5	35.9	37.1	38.0	39.3	0.22	0.20	0.20	0.19	0.18	0.16	0.16	0.16	0.17	
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	28.3	29.6	30.4	31.7	34.1	36.5	37.8	38.8	40.2	0.33	0.34	0.34	0.34	0.33	0.34	0.36	0.38	0.43	
14-18 years old .....	27.7	29.1	30.0	31.4	33.9	36.4	37.8	38.7	40.0	0.75	0.72	0.70	0.67	0.61	0.54	0.50	0.48	0.45	
Total, age adjusted ...	28.9	30.1	30.9	32.1	34.5	36.9	38.2	39.1	40.4	0.30	0.29	0.28	0.28	0.30	0.33	0.35	0.37	0.40	
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	27.8	29.5	30.5	31.9	34.4	36.8	38.1	38.9	40.3	0.98	0.83	0.76	0.69	0.63	0.64	0.67	0.70	0.75	
9-13 years old .....	29.8	30.8	31.4	32.3	34.0	35.7	36.6	37.3	38.2	0.62	0.63	0.63	0.63	0.63	0.62	0.61	0.60	0.59	
14-18 years old .....	29.1	30.3	31.1	32.4	34.7	37.1	38.5	39.4	40.8	0.68	0.69	0.71	0.73	0.81	0.92	0.99	1.04	1.13	
Total, age adjusted ...	28.6	29.9	30.7	32.0	34.4	36.8	38.0	38.9	40.2	0.44	0.43	0.43	0.43	0.44	0.48	0.51	0.53	0.58	
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	27.2	28.5	29.3	30.6	33.0	35.2	36.4	> 37.2	> 38.4	0.53	0.51	0.50	0.48	0.45	0.43	0.42	0.42	0.43	
9-13 years old .....	27.4	28.6	29.5	30.7	32.9	35.1	36.3	37.1	38.3	0.50	0.44	0.41	0.37	0.32	0.29	0.28	0.27	0.28	
14-18 years old .....	25.5	27.0	28.0	29.4	32.0	> 34.4	> 35.7	>> 36.5	>> 37.8	0.57	0.55	0.52	0.48	0.43	0.42	0.42	0.42	0.43	
Total, age adjusted ...	>>>26.7	>>>28.0	>>>28.9	>>>30.2	>>>32.6	>>>34.9	>>>36.1	>>>36.9	>>>38.1	0.29	0.27	0.25	0.23	0.19	0.18	0.17	0.17	0.17	

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using C-SIDE: Software for Intake Distribution Estimation, accounting for within-person variance as estimated from the Continuing Survey of Food Intakes by Individuals (CSFII). 'All Children' includes children with missing income.



**Table D-48—Distribution of usual intake of total fat as a percent of usual energy intake: School-age children  
— Continued**

**Female**

	Percentiles									Standard errors of percentiles									
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th	
<b>All children</b>																			
5-8 years old .....	27.2	28.5	29.4	30.7	33.1	35.7	37.2	38.2	39.8	0.20	0.19	0.18	0.18	0.20	0.25	0.28	0.31	0.35	
9-13 years old .....	26.8	28.4	29.5	31.0	33.7	36.4	37.8	38.8	40.2	0.29	0.27	0.26	0.24	0.22	0.20	0.20	0.20	0.19	
14-18 years old .....	26.9	28.5	29.6	31.2	34.2	37.2	38.9	40.1	41.9	0.33	0.32	0.32	0.32	0.34	0.38	0.42	0.46	0.52	
Total, age adjusted ...	26.9	28.4	29.4	30.9	33.7	36.5	38.0	39.1	40.7	0.22	0.21	0.20	0.20	0.19	0.20	0.21	0.22	0.24	
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	29.1	30.1	30.7	31.8	33.8	35.8	36.9	37.7	38.9	0.28	0.28	0.29	0.30	0.32	0.36	0.38	0.40	0.44	
9-13 years old .....	24.5	26.4	27.7	29.5	32.9	36.1	37.7	38.9	40.6	0.59	0.54	0.51	0.47	0.41	0.35	0.33	0.33	0.34	
14-18 years old .....	29.4	30.5	31.2	32.2	34.1	36.2	37.3	38.1	39.2	0.45	0.44	0.44	0.43	0.42	0.42	0.43	0.44	0.46	
Total, age adjusted ...	27.2	28.6	29.6	31.0	33.6	36.1	37.5	38.4	39.9	0.34	0.32	0.30	0.29	0.27	0.27	0.27	0.28	0.29	
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	27.4	28.8	29.7	31.0	33.5	36.1	37.6	38.8	40.6	0.92	0.85	0.79	0.72	0.70	0.86	1.00	1.10	1.26	
9-13 years old .....	>>>29.5	>>>30.8	>>>31.7	>>>33.0	>>35.3	37.5	38.6	39.4	40.5	0.53	0.54	0.54	0.54	0.54	0.52	0.52	0.51	0.52	
14-18 years old .....	31.4	32.2	32.8	33.7	35.3	36.9	37.8	38.4	39.3	0.77	0.79	0.81	0.84	0.91	0.99	1.04	1.07	1.12	
Total, age adjusted ...	>>29.1	>30.3	>31.1	32.3	34.7	37.0	38.3	39.2	40.6	0.45	0.44	0.44	0.44	0.47	0.52	0.55	0.57	0.61	
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	>>>25.7	>>>27.1	>>>28.1	>>>29.6	>32.3	35.2	36.8	38.0	39.7	0.44	0.41	0.40	0.39	0.41	0.48	0.53	0.57	0.64	
9-13 years old .....	>>>27.9	>>>29.3	>>>30.2	>>31.5	33.8	36.1	37.4	38.3	39.6	0.39	0.35	0.33	0.30	0.29	0.29	0.30	0.31	0.33	
14-18 years old .....	>>>25.4	>>>27.3	>>>28.6	>30.5	33.9	37.4	>39.4	>>40.8	>>>43.1	0.54	0.48	0.46	0.43	0.43	0.50	0.59	0.67	0.82	
Total, age adjusted ...	26.3	27.9	29.0	30.5	33.4	36.4	38.0	39.2	40.9	0.28	0.27	0.26	0.25	0.24	0.26	0.28	0.31	0.36	

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-48—Distribution of usual intake of total fat as a percent of usual energy intake: School-age children  
— Continued**

**Both sexes**

	Percentiles									Standard errors of percentiles								
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																		
5-8 years old .....	27.4	28.7	29.6	30.9	33.4	35.9	37.2	38.2	39.6	0.19	0.18	0.16	0.15	0.15	0.17	0.19	0.20	0.23
9-13 years old .....	27.8	29.1	30.0	31.3	33.8	36.1	37.4	38.3	39.6	0.24	0.22	0.21	0.19	0.15	0.13	0.13	0.13	0.13
14-18 years old .....	26.8	28.3	29.3	30.8	33.6	36.4	37.9	39.0	40.6	0.28	0.26	0.25	0.24	0.23	0.24	0.25	0.27	0.30
Total, age adjusted ...	27.2	28.6	29.6	31.0	33.6	36.2	37.6	38.6	40.0	0.15	0.14	0.13	0.12	0.12	0.11	0.12	0.12	0.13
<b>Lowest income: ≤ 130% poverty</b>																		
5-8 years old .....	28.7	29.8	30.6	31.7	33.9	36.1	37.4	38.2	39.6	0.17	0.18	0.18	0.19	0.21	0.24	0.26	0.27	0.30
9-13 years old .....	27.5	28.9	29.9	31.4	34.1	36.8	38.2	39.2	40.6	0.26	0.25	0.24	0.24	0.26	0.34	0.40	0.43	0.47
14-18 years old .....	28.3	29.6	30.5	31.7	34.0	36.4	37.7	38.6	39.9	0.42	0.40	0.40	0.39	0.38	0.36	0.34	0.34	0.34
Total, age adjusted ...	28.0	29.3	30.2	31.5	34.0	36.5	37.8	38.8	40.1	0.22	0.21	0.20	0.20	0.19	0.20	0.21	0.22	0.24
<b>Low-income: 131-185% poverty</b>																		
5-8 years old .....	27.5	29.0	29.9	31.3	33.9	36.5	38.0	39.1	40.7	0.43	0.41	0.40	0.40	0.46	0.59	0.67	0.74	0.84
9-13 years old .....	>>29.4	>>30.5	>>31.3	32.5	34.6	36.8	37.9	38.6	39.7	0.36	0.35	0.35	0.34	0.32	0.30	0.28	0.27	0.25
14-18 years old .....	>30.2	31.2	31.9	33.0	35.0	37.1	38.2	38.9	40.1	0.47	0.48	0.49	0.50	0.56	0.63	0.67	0.70	0.75
Total, age adjusted ...	28.8	30.1	30.9	32.2	34.5	36.9	38.2	39.1	40.5	0.25	0.25	0.25	0.26	0.28	0.31	0.33	0.34	0.36
<b>Higher-income: &gt; 185% poverty</b>																		
5-8 years old .....	>>>26.4	>>>27.8	>>>28.7	>>>30.1	>>32.7	35.3	36.7	37.7	39.1	0.34	0.32	0.32	0.30	0.29	0.30	0.31	0.33	0.35
9-13 years old .....	27.6	28.9	29.8	31.0	33.4	35.7	>36.9	>37.7	>39.0	0.38	0.33	0.31	0.28	0.24	0.22	0.22	0.23	0.24
14-18 years old .....	>>>25.2	>>>27.0	>>>28.2	>>29.8	32.9	36.0	37.7	38.9	40.8	0.44	0.41	0.38	0.34	0.30	0.32	0.36	0.40	0.49
Total, age adjusted ...	>>>26.4	>>>27.9	>>>28.9	>>>30.3	>>>33.0	>>35.7	37.1	38.1	39.6	0.20	0.18	0.17	0.15	0.13	0.14	0.15	0.16	0.18

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-49—Mean percent of usual energy intake from saturated fat: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	12.6	0.09	1,118	12.7	0.11	270	12.4	0.17	673	› 12.3	0.16
9-13 years old .....	2,448	12.2	0.08	1,199	12.2	0.13	288	› 12.7	0.17	820	12.0	0.12
14-18 years old .....	1,511	11.7	0.09	711	11.9	0.14	186	11.9	0.22	510	› 11.5	0.14
Total, age adjusted ...	6,146	12.1	0.05	3,028	12.3	0.07	744	12.3	0.12	2,003	››› 11.9	0.08
<b>Male</b>												
5-8 years old .....	1,084	12.7	0.15	535	12.5	0.17	130	12.7	0.26	356	12.6	0.23
9-13 years old .....	1,212	12.3	0.12	592	12.8	0.19	144	12.1	0.33	408	›› 12.1	0.18
14-18 years old .....	717	11.7	0.15	333	12.0	0.26	88	12.4	0.43	234	› 11.2	0.20
Total, age adjusted ...	3,013	12.2	0.08	1,460	12.4	0.12	362	12.4	0.23	998	›› 11.9	0.12
<b>Female</b>												
5-8 years old .....	1,103	12.4	0.10	583	13.0	0.14	140	›› 12.1	0.27	317	››› 11.9	0.19
9-13 years old .....	1,236	12.0	0.10	607	11.7	0.17	144	››› 13.2	0.26	412	11.9	0.16
14-18 years old .....	794	11.7	0.14	378	11.9	0.24	98	11.5	0.23	276	11.6	0.22
Total, age adjusted ...	3,133	12.0	0.08	1,568	12.2	0.12	382	12.3	0.13	1,005	› 11.8	0.12

Notes: Significant differences in means and proportions are noted by › (.05 level), ›› (.01 level), or ››› (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFI)*.

'All Children' includes children with missing income.

**Table D-50—Percent of school-age children meeting Dietary Guidelines recommendation for usual intake of saturated fat<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	6.6	0.84	1,118	3.2	0.46	270	> 6.6	1.56	673	>>>9.5	1.86
9-13 years old .....	2,448	7.2	0.77	1,199	6.5	1.11	288	>>>0.9	0.54	820	9.6	1.45
14-18 years old .....	1,511	17.8	1.49	711	10.0	2.01	186	14.3	2.74	510	>>>23.9	2.30
Total, age adjusted ...	6,146	11.0	0.68	3,028	6.8	0.83	744	7.8	1.17	2,003	>>>14.7	1.18
<b>Male</b>												
5-8 years old .....	1,084	5.7	1.36	535	5.6	1.29	130	4.5	1.78	356	6.2	2.18
9-13 years old .....	1,212	3.6	0.84	592	0.4	0.30	144	2.6	2.64	408	>>>6.6	1.76
14-18 years old .....	717	16.6	2.40	333	13.6	3.92	88	13.1	4.43	234	24.3	4.01
Total, age adjusted ...	3,013	8.9	1.04	1,460	6.3	1.17	362	8.0	2.40	998	>> 11.9	1.60
<b>Female</b>												
5-8 years old .....	1,103	7.0	0.86	583	1.3	0.28	140	> 8.8	3.26	317	>>>15.3	2.27
9-13 years old .....	1,236	11.2	1.20	607	16.2	2.52	144	>>>0.2	0.15	412	12.0	2.03
14-18 years old .....	794	18.5	1.77	378	1.7	1.23	98	>>>17.7	4.18	276	>>>23.1	2.70
Total, age adjusted ...	3,133	13.2	0.94	1,568	8.4	1.18	382	7.3	1.61	1,005	>>>17.7	1.66

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Recommended intake of saturated fat is less than 10 percent of total calories.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-51—Distribution of usual intake of saturated fat as a percent of usual energy intake: School-age children**

**Male**

	Percentiles									Standard errors of percentiles								
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																		
5-8 years old .....	9.9	10.5	10.9	11.5	12.7	13.9	14.5	15.0	15.7	0.19	0.18	0.17	0.16	0.14	0.14	0.15	0.15	0.16
9-13 years old .....	10.2	10.6	11.0	11.4	12.3	13.2	13.6	14.0	14.4	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13
14-18 years old .....	8.8	9.5	9.9	10.5	11.7	12.9	13.6	14.0	14.7	0.18	0.17	0.16	0.16	0.15	0.15	0.16	0.16	0.17
Total, age adjusted ...	9.5	10.1	10.5	11.1	12.2	13.3	13.9	14.4	15.0	0.10	0.10	0.10	0.09	0.09	0.08	0.08	0.08	0.08
<b>Lowest income: ≤ 130% poverty</b>																		
5-8 years old .....	9.9	10.5	10.8	11.4	12.5	13.6	14.2	14.6	15.3	0.17	0.17	0.18	0.18	0.18	0.18	0.19	0.20	0.23
9-13 years old .....	11.1	11.5	11.7	12.1	12.8	13.4	13.8	14.1	14.4	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19
14-18 years old .....	9.1	9.7	10.1	10.7	11.9	13.1	13.8	14.3	14.9	0.33	0.31	0.30	0.30	0.27	0.24	0.23	0.22	0.22
Total, age adjusted ...	9.8	10.4	10.8	11.3	12.4	13.4	14.0	14.4	15.0	0.14	0.14	0.13	0.13	0.12	0.11	0.11	0.11	0.11
<b>Low-income: 131-185% poverty</b>																		
5-8 years old .....	10.1	10.7	11.1	11.7	12.7	13.8	14.4	14.8	15.5	0.30	0.28	0.27	0.26	0.25	0.26	0.30	0.32	0.37
9-13 years old .....	10.3	10.7	10.9	11.3	12.1	12.9	13.4	13.7	14.1	0.32	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.35
14-18 years old .....	8.8	9.6	10.2	11.0	12.5	13.8	14.6	15.1	15.9	0.52	0.51	0.50	0.48	0.43	0.43	0.46	0.48	0.49
Total, age adjusted ...	9.6	10.2	10.6	11.2	12.4	13.6	14.2	14.7	15.4	0.26	0.26	0.25	0.24	0.22	0.23	0.24	0.25	0.27
<b>Higher-income: &gt; 185% poverty</b>																		
5-8 years old .....	9.8	10.4	10.9	11.5	12.6	13.8	14.4	14.9	15.5	0.28	0.26	0.25	0.24	0.23	0.22	0.23	0.23	0.24
9-13 years old .....	>>>9.8	>>>10.3	>>>10.6	>>11.1	>12.0	13.0	13.5	13.8	14.4	0.18	0.18	0.18	0.17	0.18	0.18	0.18	0.19	0.20
14-18 years old .....	8.4	9.0	9.4	10.0	11.2	12.4	13.1	13.5	14.2	0.24	0.23	0.23	0.22	0.20	0.21	0.23	0.24	0.27
Total, age adjusted ...	9.3	>>9.8	>>10.2	>10.8	>11.9	13.0	13.7	14.1	14.7	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.14

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-51—Distribution of usual intake of saturated fat as a percent of usual energy intake: School-age children  
— Continued**

**Female**

	Percentiles									Standard errors of percentiles								
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																		
5-8 years old .....	9.7	10.3	10.7	11.3	12.4	13.6	14.2	14.7	15.4	0.10	0.10	0.10	0.10	0.11	0.12	0.13	0.13	0.14
9-13 years old .....	9.3	9.9	10.3	10.9	12.0	13.1	13.7	14.1	14.8	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.13
14-18 years old .....	8.7	9.3	9.8	10.4	11.6	12.9	13.7	14.2	15.1	0.13	0.13	0.12	0.11	0.11	0.15	0.20	0.24	0.34
Total, age adjusted ...	9.1	9.7	10.1	10.8	11.9	13.2	13.8	14.3	15.1	0.08	0.08	0.08	0.07	0.07	0.08	0.09	0.10	0.12
<b>Lowest income: ≤ 130% poverty</b>																		
5-8 years old .....	10.7	11.2	11.5	12.0	12.9	13.9	14.5	14.9	15.5	0.10	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20
9-13 years old .....	8.9	9.5	9.9	10.5	11.7	12.9	13.6	14.0	14.7	0.21	0.19	0.18	0.18	0.17	0.17	0.18	0.19	0.20
14-18 years old .....	10.4	10.7	10.9	11.2	11.9	12.5	12.9	13.1	13.5	0.20	0.21	0.21	0.22	0.24	0.27	0.29	0.30	0.32
Total, age adjusted ...	9.6	10.1	10.5	11.0	12.1	13.2	13.9	14.3	15.0	0.12	0.11	0.11	0.11	0.12	0.14	0.17	0.18	0.20
<b>Low-income: 131-185% poverty</b>																		
5-8 years old .....	>> 9.6	>> 10.1	> 10.5	> 11.0	12.1	13.2	13.8	14.3	14.9	0.28	0.30	0.30	0.29	0.28	0.28	0.29	0.30	0.33
9-13 years old .....	>>> 11.4	>>> 11.8	>>> 12.0	>>> 12.4	>>> 13.2	>> 14.0	14.4	14.7	15.2	0.24	0.24	0.24	0.25	0.27	0.28	0.29	0.30	0.30
14-18 years old .....	>>> 8.8	>> 9.4	>> 9.8	10.4	11.5	12.5	13.1	13.5	14.0	0.29	0.27	0.26	0.25	0.24	0.24	0.24	0.25	0.26
Total, age adjusted ...	9.7	10.3	10.6	11.2	12.2	13.3	13.9	14.3	14.9	0.17	0.16	0.15	0.14	0.14	0.14	0.14	0.15	0.16
<b>Higher-income: &gt; 185% poverty</b>																		
5-8 years old .....	>>> 9.0	>>> 9.6	>>> 10.0	>>> 10.6	>>> 11.8	> 13.1	13.9	14.4	15.2	0.16	0.16	0.16	0.18	0.20	0.22	0.24	0.25	0.27
9-13 years old .....	9.3	9.8	10.2	10.8	11.9	13.0	13.6	13.9	14.5	0.18	0.18	0.17	0.17	0.16	0.16	0.16	0.16	0.17
14-18 years old .....	>>> 8.2	>>> 8.9	>>> 9.4	>>> 10.1	11.5	13.0	13.9	14.5	> 15.4	0.19	0.19	0.19	0.19	0.18	0.22	0.30	0.39	0.60
Total, age adjusted ...	>>> 8.7	>>> 9.4	>>> 9.8	> 10.5	11.7	13.1	13.8	14.3	15.1	0.11	0.12	0.12	0.13	0.12	0.11	0.12	0.13	0.18

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-51—Distribution of usual intake of saturated fat as a percent of usual energy intake: School-age children  
— Continued**

**Both sexes**

	Percentiles									Standard errors of percentiles									
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th	
<b>All children</b>																			
5-8 years old .....	9.8	10.4	10.8	11.4	12.5	13.7	14.4	14.9	15.6	0.11	0.10	0.10	0.09	0.09	0.10	0.10	0.10	0.10	0.11
9-13 years old .....	9.7	10.3	10.6	11.2	12.1	13.1	13.7	14.1	14.6	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
14-18 years old .....	8.8	9.4	9.8	10.4	11.6	12.9	13.6	14.1	14.9	0.11	0.11	0.10	0.10	0.08	0.08	0.10	0.12	0.17	
Total, age adjusted ...	9.3	9.9	10.3	10.9	12.1	13.2	13.9	14.3	15.0	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.06	0.07	
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	10.3	10.8	11.1	11.7	12.7	13.7	14.3	14.8	15.4	0.09	0.10	0.10	0.10	0.12	0.13	0.14	0.14	0.15	
9-13 years old .....	9.8	10.4	10.7	11.2	12.2	13.2	13.8	14.2	14.7	0.13	0.12	0.12	0.12	0.13	0.13	0.14	0.14	0.16	
14-18 years old .....	9.5	10.0	10.3	10.9	11.9	12.9	13.5	13.9	14.5	0.16	0.15	0.15	0.15	0.14	0.16	0.18	0.20	0.22	
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	9.8	10.4	10.7	11.3	12.4	13.5	14.1	14.6	15.3	0.19	0.19	0.18	0.18	0.17	0.17	0.19	0.21	0.24	
9-13 years old .....	>>>10.8	>>11.2	>>11.4	>11.8	12.6	13.5	13.9	14.2	14.7	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.20	
14-18 years old .....	8.9	9.6	10.1	10.7	12.0	13.2	13.8	14.3	14.9	0.23	0.23	0.23	0.23	0.22	0.22	0.23	0.24	0.26	
Total, age adjusted ...	9.6	10.2	10.6	11.2	12.3	13.5	14.1	14.5	15.2	0.13	0.12	0.12	0.12	0.12	0.13	0.14	0.15	0.16	
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	>>>9.4	>>>10.0	>10.5	>11.1	12.3	13.5	14.2	14.7	15.4	0.19	0.18	0.17	0.16	0.16	0.16	0.17	0.18	0.19	
9-13 years old .....	9.5	10.0	10.4	10.9	12.0	13.0	13.6	13.9	14.5	0.14	0.13	0.13	0.12	0.12	0.11	0.11	0.12	0.12	
14-18 years old .....	>>>8.2	>>>8.9	>>>9.4	>>>10.1	11.4	12.8	13.5	14.1	14.9	0.17	0.16	0.16	0.14	0.12	0.13	0.17	0.23	0.36	
Total, age adjusted ...	9.0	9.6	10.0	10.6	11.8	13.1	13.7	14.2	15.0	0.09	0.09	0.09	0.09	0.08	0.09	0.09	0.10	0.12	

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using C-SIDE: Software for Intake Distribution Estimation, accounting for within-person variance as estimated from the Continuing Survey of Food Intakes by Individuals (CSFII). 'All Children' includes children with missing income.

**Table D-52—Mean usual intake of cholesterol in milligrams: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	215	4.0	1,118	231	8.3	270	***190	8.1	673	210	6.6
9-13 years old .....	2,448	249	4.8	1,199	253	6.4	288	262	12.4	820	242	7.1
14-18 years old .....	1,513	263	5.8	712	274	6.7	186	272	22.7	510	252	8.4
Total, age adjusted ...	6,148	245	3.0	3,029	254	4.1	744	245	9.4	2,003	236	4.1
<b>Male</b>												
5-8 years old .....	1,084	222	5.1	535	231	8.1	130	192	14.8	356	223	8.2
9-13 years old .....	1,212	274	7.9	592	293	10.3	144	355	1425.3	408	259	13.4
14-18 years old .....	718	318	9.1	334	325	13.2	88	370	41.8	234	308	12.8
Total, age adjusted ...	3,014	275	4.6	1,461	286	7.2	362	281	14.1	998	264	6.5
<b>Female</b>												
5-8 years old .....	1,103	207	4.8	583	231	11.9	140	189	12.2	317	194	7.4
9-13 years old .....	1,236	225	4.4	607	214	5.7	144	246	19.7	412	221	6.2
14-18 years old .....	795	209	5.8	378	232	8.0	98	180	11.3	276	198	8.6
Total, age adjusted ...	3,134	214	2.9	1,568	225	4.2	382	207	9.4	1,005	205	4.8

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using C-SIDE: Software for Intake Distribution Estimation, accounting for within-person variance as estimated from the Continuing Survey of Food Intakes by Individuals (CSFII).

'All Children' includes children with missing income.



**Table D-53—Percent of school-age children meeting Dietary Guidelines recommendation for usual intake of cholesterol<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	86.8	1.2	1,118	84.3	3.2	270	93.7	1.9	673	87.5	1.9
9-13 years old .....	2,448	76.4	1.8	1,199	76.3	2.9	288	73.8	6.0	820	78.0	2.3
14-18 years old .....	1,513	70.4	2.3	712	67.5	3.4	186	67.5	10.5	510	73.3	3.0
Total, age adjusted ...	6,148	77.2	1.1	3,029	75.4	1.8	744	78.0	4.0	2,003	79.4	1.5
<b>Male</b>												
5-8 years old .....	1,084	84.8	1.5	535	86.8	3.0	130	90.0	4.0	356	83.5	2.5
9-13 years old .....	1,212	68.7	3.2	592	59.1	4.8	144	41.0	19.6	408	73.6	5.1
14-18 years old .....	718	47.5	3.7	334	45.3	4.9	88	32.7	9.8	234	53.4	5.1
Total, age adjusted ...	3,014	65.7	1.8	1,461	62.4	3.5	362	62.8	4.9	998	71.1	2.3
<b>Female</b>												
5-8 years old .....	1,103	89.6	1.5	583	82.6	4.6	140	98.7	1.8	317	92.2	1.9
9-13 years old .....	1,236	83.6	1.6	607	88.8	1.9	144	85.3	9.8	412	83.8	2.1
14-18 years old .....	795	91.2	1.5	378	84.3	2.8	98	98.5	1.0	276	91.5	2.1
Total, age adjusted ...	3,134	88.0	0.9	1,568	84.6	1.6	382	90.1	2.9	1,005	89.2	1.4

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> National Research Council's Diet and Health recommendation for intake of cholesterol is less than or equal to 300 milligrams.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-54—Distribution of usual intake of cholesterol in milligrams: School-age children**

**Male**

	Percentiles									Standard errors of percentiles								
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																		
5-8 years old .....	113	131	144	165	209	265	301	328	373	3.60	3.79	3.95	4.21	4.82	5.94	7.05	7.96	9.43
9-13 years old .....	159	178	191	212	259	318	358	388	439	3.32	3.67	3.94	4.41	5.87	10.30	14.80	18.50	25.20
14-18 years old .....	182	205	221	248	306	374	416	446	495	5.60	6.19	6.62	7.31	8.91	11.20	12.70	13.80	15.70
<b>Lowest income: ≤ 130% poverty</b>																		
5-8 years old .....	145	159	170	187	223	267	294	313	345	5.23	5.64	5.97	6.53	7.88	9.67	10.80	11.70	13.10
9-13 years old .....	178	198	212	234	281	340	377	404	448	5.18	5.72	6.18	7.09	9.57	13.20	15.40	16.90	19.00
14-18 years old .....	175	200	218	248	312	388	434	467	518	8.69	9.30	9.84	10.80	12.90	15.90	17.80	19.30	21.90
Total, age adjusted ...	176	195	208	229	275	332	367	393	433	3.96	4.24	4.49	4.99	6.65	9.21	10.90	12.00	13.50
<b>Low-income: 131-185% poverty</b>																		
5-8 years old .....	>>>91	>>>106	>>>117	>>>135	> 178	235	272	300	343	6.86	7.37	7.98	9.49	14.10	19.80	23.00	25.30	29.80
9-13 years old .....	177	202	221	253	327	426	492	543	629	11.40	18.20	29.30	67.40	229.00	710.00	48000.0	46000.0	25000.0
14-18 years old .....	183	215	238	275	354	448	504	545	609	24.10	25.50	26.80	29.50	38.20	52.30	62.30	69.70	81.60
Total, age adjusted ...	>>>134	>>>156	>> 173	201	264	343	393	429	488	7.40	8.05	8.64	9.74	13.00	17.80	21.70	25.10	31.20
<b>Higher-income: &gt; 185% poverty</b>																		
5-8 years old .....	>>>109	>>>127	>> 141	163	210	269	307	336	383	5.39	5.74	6.00	6.36	7.34	10.00	12.00	13.70	16.70
9-13 years old .....	>>>147	>>>164	>>>177	>> 198	245	304	343	372	421	4.51	4.96	5.33	6.10	9.23	16.60	23.50	29.80	42.30
14-18 years old .....	172	193	209	235	292	364	410	444	501	6.87	7.67	8.29	9.32	11.90	15.90	19.10	21.80	26.80
Total, age adjusted ...	>>>132	>>>152	>>>167	>>>191	>> 244	314	362	400	466	2.69	3.22	3.68	4.36	5.74	8.08	10.20	12.30	17.20

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using C-SIDE: Software for Intake Distribution Estimation, accounting for within-person variance as estimated from the Continuing Survey of Food Intakes by Individuals (CSFII). 'All Children' includes children with missing income.

**Table D-54—Distribution of usual intake of cholesterol in milligrams: School-age children  
— Continued**

**Female**

	Percentiles									Standard errors of percentiles								
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																		
5-8 years old .....	114	127	138	155	194	245	278	303	344	2.23	2.41	2.61	3.02	4.17	6.08	7.56	8.76	10.80
9-13 years old .....	115	132	145	166	212	270	306	333	376	2.43	2.48	2.58	2.91	4.05	5.83	7.08	8.04	9.74
14-18 years old .....	118	134	145	163	201	246	274	294	326	4.03	4.35	4.59	4.94	5.68	6.75	7.53	8.15	9.19
Total, age adjusted ...	114	130	142	161	202	254	286	311	352	1.86	1.96	2.07	2.27	2.76	3.59	4.29	4.92	6.05
<b>Lowest income: ≤ 130% poverty</b>																		
5-8 years old .....	128	142	153	172	214	272	311	341	392	3.74	4.46	5.09	6.36	10.50	16.60	20.10	22.70	27.50
9-13 years old .....	116	133	145	164	206	255	285	306	339	3.99	4.13	4.25	4.52	5.43	7.18	8.22	8.84	9.91
14-18 years old .....	133	150	162	181	221	271	303	327	366	5.16	5.75	6.06	6.32	7.57	9.85	11.20	12.30	14.20
Total, age adjusted ...	124	141	153	172	212	266	302	328	370	2.45	2.82	3.07	3.24	3.84	5.18	6.86	8.33	10.20
<b>Low-income: 131-185% poverty</b>																		
5-8 years old .....	133	143	150	161	184	212	> 229	>> 242	>> 262	7.09	7.63	8.09	8.95	11.30	14.80	17.40	19.40	23.10
9-13 years old .....	>>> 172	>> 185	>> 194	208	239	276	299	316	343	11.70	13.30	14.30	15.80	18.90	23.20	26.20	28.50	32.50
14-18 years old .....	104	118	129	> 144	> 176	>> 211	>>> 231	>>> 245	>>> 267	9.99	10.30	10.50	10.80	11.70	12.70	13.40	13.80	14.60
Total, age adjusted ...	113	128	139	156	195	244	275	299	339	4.96	5.24	5.58	6.39	8.88	12.10	14.30	16.20	19.70
<b>Higher-income: &gt; 185% poverty</b>																		
5-8 years old .....	>>> 103	>>> 117	>>> 127	>> 144	182	231	262	286	326	3.67	3.99	4.27	4.81	6.47	9.35	11.60	13.60	17.30
9-13 years old .....	110	127	139	160	206	266	306	336	385	3.60	3.56	3.65	4.10	5.91	8.30	10.00	11.50	14.40
14-18 years old .....	>>> 101	>>> 117	>> 129	>> 147	> 188	237	268	291	328	5.32	5.90	6.36	7.10	8.52	10.20	11.50	12.70	14.90
Total, age adjusted ...	>>> 103	>>> 119	>>> 131	>>> 151	> 193	246	280	305	346	2.55	2.76	2.96	3.38	4.55	6.12	7.11	7.89	9.24

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-54—Distribution of usual intake of cholesterol in milligrams: School-age children  
— Continued**

**Both sexes**

	Percentiles									Standard errors of percentiles								
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																		
5-8 years old .....	112	128	140	160	202	256	291	318	363	2.18	2.38	2.57	2.89	3.64	4.97	6.01	6.87	8.27
9-13 years old .....	131	149	163	185	234	295	336	368	421	1.99	2.23	2.44	2.84	3.83	5.80	8.11	10.50	15.50
14-18 years old .....	136	157	172	196	250	315	355	385	434	3.08	3.37	3.58	3.99	5.42	7.53	9.09	10.20	11.80
Total, age adjusted ...	123	142	156	179	230	292	334	366	419	1.40	1.55	1.67	1.89	2.59	3.86	4.75	5.54	7.37
<b>Lowest income: ≤ 130% poverty</b>																		
5-8 years old .....	134	149	160	178	218	270	303	328	370	3.50	4.05	4.50	5.28	7.40	10.80	13.10	14.80	17.50
9-13 years old .....	147	165	179	200	244	297	329	353	391	3.40	3.76	4.06	4.64	5.99	8.11	9.59	10.60	12.10
14-18 years old .....	169	188	201	222	266	318	350	373	409	3.91	4.35	4.75	5.41	6.63	8.25	9.22	9.86	10.80
<b>Low-income: 131-185% poverty</b>																		
5-8 years old .....	>>>106	>>>119	>>>128	>>>144	>>179	>225	254	276	312	4.67	5.05	5.40	6.05	7.75	10.20	11.90	13.40	16.30
9-13 years old .....	161	178	191	210	252	303	335	358	396	5.82	6.64	7.33	8.56	11.50	15.50	18.10	20.10	23.40
14-18 years old .....	155	175	190	214	263	320	354	380	420	12.80	14.20	15.30	17.10	21.30	27.30	31.60	35.00	40.80
Total, age adjusted ...	135	152	165	187	234	291	326	351	393	4.35	4.93	5.48	6.52	9.04	12.20	14.20	15.80	18.40
<b>Higher-income: &gt; 185% poverty</b>																		
5-8 years old .....	>>>106	>>>122	>>>134	>>154	198	253	288	314	357	3.61	3.92	4.17	4.62	5.83	8.20	9.89	11.20	13.30
9-13 years old .....	>>>121	>>>139	>>>152	>>>174	223	289	333	367	426	2.84	3.03	3.21	3.53	4.67	8.28	12.30	16.20	24.60
14-18 years old .....	>>>116	>>>137	>>>153	>>>179	>235	306	353	388	447	4.61	4.88	5.13	5.67	7.51	10.70	13.10	15.10	18.90
Total, age adjusted ...	112	131	145	168	218	283	327	361	418	1.82	1.94	2.09	2.46	3.66	5.62	6.97	8.08	10.40

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-55—Mean usual intake of sodium in milligrams: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	2,933	28.3	1,118	3,132	41.0	270	***2,904	53.6	673	***2,824	44.1
9-13 years old .....	2,448	3,500	45.3	1,199	3,385	49.7	288	3,772	196.7	820	3,514	69.6
14-18 years old .....	1,513	3,829	73.6	712	3,807	91.6	186	4,123	281.5	510	3,737	89.0
Total, age adjusted ...	6,148	3,456	34.9	3,029	3,462	43.8	744	3,668	139.5	2,003	3,406	36.3
<b>Male</b>												
5-8 years old .....	1,084	3,128	45.4	535	3,375	68.4	130	**3,033	92.4	356	***3,045	66.1
9-13 years old .....	1,212	3,809	77.9	592	3,731	79.4	144	4,222	324.5	408	3,821	115.6
14-18 years old .....	718	4,536	106.1	334	4,099	117.0	88	**5,358	416.5	234	**4,585	131.5
Total, age adjusted ...	3,014	3,870	58.1	1,461	3,761	61.1	362	*4,286	212.3	998	3,872	67.1
<b>Female</b>												
5-8 years old .....	1,103	2,709	27.7	583	2,903	39.9	140	2,805	79.6	317	***2,516	44.7
9-13 years old .....	1,236	3,186	53.4	607	3,061	52.2	144	*3,341	98.9	412	3,180	81.8
14-18 years old .....	795	3,136	76.0	378	3,567	124.6	98	***2,929	139.0	276	***2,925	90.8
Total, age adjusted ...	3,134	3,024	28.9	1,568	3,195	56.0	382	3,038	77.4	1,005	***2,898	34.5

Notes: Significant differences in means and proportions are noted by \* (.05 level), \*\* (.01 level), or \*\*\* (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*.

\*All Children' includes children with missing income.

**Table D-56—Percent of school-age children meeting Dietary Guidelines recommendation for usual intake of sodium<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	21.8	1.3	1,118	15.1	1.2	270	» 22.2	2.9	673	»»» 25.7	2.4
9-13 years old .....	2,448	10.5	0.7	1,199	8.6	1.1	288	»»» 0.9	0.5	820	»» 13.3	1.1
14-18 years old .....	1,513	11.4	1.0	712	5.2	1.0	186	6.2	2.6	510	»»» 15.1	1.6
Total, age adjusted ...	6,148	15.1	0.6	3,029	11.2	0.8	744	8.9	1.6	2,003	»»» 17.8	0.8
<b>Male</b>												
5-8 years old .....	1,084	16.2	1.7	535	10.2	1.4	130	» 19.4	4.0	356	15.9	2.7
9-13 years old .....	1,212	5.6	0.8	592	1.6	0.5	144	» 0.0	0.0	408	»»» 9.1	1.3
14-18 years old .....	718	2.3	0.6	334	2.5	1.0	88	0.5	0.5	234	2.4	0.7
Total, age adjusted ...	3,014	9.1	0.8	1,461	6.9	0.8	362	4.5	1.2	998	» 10.0	1.0
<b>Female</b>												
5-8 years old .....	1,103	29.2	1.8	583	20.0	2.0	140	20.2	5.1	317	»»» 43.9	3.6
9-13 years old .....	1,236	14.3	1.3	607	15.6	2.0	144	» 8.1	2.6	412	16.0	2.2
14-18 years old .....	795	17.2	2.3	378	1.6	0.9	98	»» 21.8	6.7	276	»»» 28.7	3.6
Total, age adjusted ...	3,134	20.2	1.0	1,568	13.6	1.2	382	»»» 4.8	2.1	1,005	»»» 27.5	1.6

Notes: Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> National Research Council's Diet and Health recommendation for intake of sodium is less than or equal to 2400 milligrams.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-57—Distribution of usual sodium intake in milligrams: School-age children**

**Male**

	Percentiles									Standard errors of percentiles								
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																		
5-8 years old .....	2,014	2,221	2,369	2,598	3,059	3,584	3,898	4,125	4,479	40.90	41.40	41.60	42.00	44.30	53.00	60.40	66.20	75.40
9-13 years old .....	2,364	2,614	2,791	3,071	3,661	4,377	4,832	5,175	5,748	46.80	48.50	49.40	50.70	58.00	93.70	140.00	178.00	236.00
14-18 years old .....	2,692	3,014	3,245	3,611	4,403	5,328	5,862	6,239	6,821	84.10	83.00	83.20	86.50	105.00	129.00	144.00	155.00	175.00
Total, age adjusted ...	2,155	2,443	2,649	2,976	3,680	4,560	5,117	5,533	6,213	37.30	38.80	40.00	42.10	48.00	67.10	89.30	111.00	151.00
<b>Lowest income: ≤ 130% poverty</b>																		
5-8 years old .....	2,171	2,392	2,550	2,797	3,304	3,876	4,212	4,451	4,823	48.00	51.50	53.90	58.10	69.40	86.00	97.10	105.00	117.00
9-13 years old .....	2,668	2,870	3,012	3,231	3,673	4,169	4,465	4,676	5,003	64.00	66.00	67.90	71.20	78.90	90.20	98.50	105.00	117.00
14-18 years old .....	2,622	2,892	3,084	3,383	3,999	4,704	5,126	5,431	5,916	106.00	110.00	113.00	116.00	119.00	126.00	134.00	142.00	158.00
Total, age adjusted ...	2,285	2,549	2,736	3,029	3,639	4,360	4,803	5,126	5,644	43.40	46.90	49.30	52.60	60.30	72.70	88.00	100.00	114.00
<b>Low-income: 131-185% poverty</b>																		
5-8 years old .....	1,986	2,169	2,301	2,513	> 2,963	> 3,480	> 3,778	> 3,988	4,310	69.80	74.30	79.10	87.00	97.30	111.00	119.00	128.00	151.00
9-13 years old .....	> 3,463	3,611	3,714	3,873	4,188	4,534	4,734	4,875	5,094	247.00	261.00	272.00	287.00	320.00	358.00	380.00	396.00	422.00
14-18 years old .....	3,273	3,651	3,920	4,336	> 5,203	> 6,222	> 6,841	> 7,288	> 7,978	281.00	302.00	317.00	343.00	406.00	496.00	549.00	583.00	624.00
Total, age adjusted ...	2,436	2,734	2,959	3,324	4,114	5,040	5,620	6,052	6,753	96.40	116.00	131.00	154.00	192.00	259.00	311.00	354.00	423.00
<b>Higher-income: &gt; 185% poverty</b>																		
5-8 years old .....	2,057	2,246	2,379	2,584	>> 2,993	>> 3,450	>> 3,719	>> 3,913	>>> 4,214	62.80	62.40	61.50	60.40	62.10	73.20	83.40	91.80	105.00
9-13 years old .....	>>> 2,171	>>> 2,442	>>> 2,639	> 2,953	3,631	4,472	5,015	> 5,428	6,119	60.50	60.70	61.10	62.70	73.40	115.00	176.00	246.00	415.00
14-18 years old .....	2,709	3,059	3,301	3,678	4,465	>> 5,390	>> 5,922	>> 6,289	>> 6,832	111.00	107.00	108.00	114.00	139.00	162.00	173.00	181.00	201.00
Total, age adjusted ...	2,097	2,400	2,618	2,960	3,682	4,570	5,139	> 5,568	> 6,274	52.60	51.20	50.60	50.90	57.30	77.20	98.50	120.00	171.00

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-57—Distribution of usual sodium intake in milligrams: School-age children  
— Continued**

**Female**

	Percentiles									Standard errors of percentiles								
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																		
5-8 years old .....	1,911	2,065	2,173	2,340	2,672	3,038	3,250	3,401	3,635	27.20	26.90	26.40	25.70	26.40	31.00	34.80	37.80	42.80
9-13 years old .....	2,080	2,278	2,417	2,636	3,095	3,640	3,971	4,213	4,596	33.00	32.40	32.70	35.10	47.30	68.70	82.20	91.80	107.00
14-18 years old .....	1,980	2,190	2,341	2,578	3,066	3,618	3,942	4,173	4,534	49.30	53.30	56.50	62.00	74.60	89.00	97.90	105.00	117.00
Total, age adjusted ...	1,952	2,145	2,282	2,497	2,942	3,461	3,777	4,007	4,375	18.00	18.60	19.30	21.20	27.20	35.10	40.90	45.50	53.70
<b>Lowest income: ≤ 130% poverty</b>																		
5-8 years old .....	1,998	2,174	2,299	2,490	2,867	3,270	3,504	3,671	3,936	40.90	39.20	38.30	37.70	39.10	43.70	48.00	51.70	58.10
9-13 years old .....	2,048	2,248	2,386	2,597	3,012	3,470	3,740	3,935	4,243	46.50	45.10	44.60	45.20	50.60	62.70	71.60	78.60	90.20
14-18 years old .....	2,625	2,804	2,929	3,123	3,516	3,956	4,213	4,396	4,682	83.00	89.50	94.40	103.00	121.00	146.00	161.00	173.00	191.00
Total, age adjusted ...	2,096	2,296	2,437	2,658	3,115	3,648	3,968	4,198	4,563	30.00	30.90	32.20	36.30	51.60	73.50	86.60	95.90	111.00
<b>Low-income: 131-185% poverty</b>																		
5-8 years old .....	2,047	2,200	2,307	2,473	2,796	3,124	3,299	3,417	>> 3,592	69.70	74.20	77.30	81.40	86.50	85.80	84.50	84.10	86.00
9-13 years old .....	2,266	2,466	2,609	2,832	3,288	3,793	4,083	4,287	4,599	81.80	86.70	90.90	96.90	105.00	113.00	123.00	134.00	157.00
14-18 years old .....	>>> 1,949	>>> 2,127	>>> 2,257	>>> 2,462	>>> 2,884	> 3,346	3,606	3,786	4,061	113.00	118.00	122.00	131.00	149.00	159.00	160.00	160.00	162.00
Total, age adjusted ...	>>> 2,406	>> 2,532	2,620	2,755	3,019	> 3,301	>>> 3,458	>>> 3,566	>>> 3,729	62.80	66.00	68.40	72.30	79.90	85.90	88.40	89.90	92.30
<b>Higher-income: &gt; 185% poverty</b>																		
5-8 years old .....	>> 1,792	>>> 1,928	>>> 2,024	>>> 2,171	>>> 2,471	>>> 2,810	>>> 3,013	>>> 3,159	>>> 3,391	38.40	38.80	39.10	39.60	42.00	50.90	59.30	66.40	79.20
9-13 years old .....	2,044	2,238	2,376	2,594	3,061	3,636	4,000	4,273	4,721	51.20	49.70	50.00	52.70	72.00	104.00	125.00	143.00	177.00
14-18 years old .....	>>> 1,666	>>> 1,894	>>> 2,058	>>> 2,316	>>> 2,849	> 3,451	3,803	4,054	4,445	67.70	72.20	75.70	81.50	93.70	106.00	113.00	118.00	124.00
Total, age adjusted ...	>>> 1,807	>>> 2,000	>>> 2,137	>>> 2,352	>>> 2,803	> 3,340	> 3,672	3,917	4,312	28.30	28.40	28.70	29.70	33.00	39.60	45.80	51.50	63.00

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.



**Table D-57—Distribution of usual sodium intake in milligrams: School-age children  
— Continued**

**Both sexes**

	Percentiles									Standard errors of percentiles								
	5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																		
5-8 years old .....	1,940	2,125	2,257	2,461	2,873	3,340	3,618	3,819	4,134	26.10	25.90	25.50	24.90	26.40	33.20	39.00	43.50	50.80
9-13 years old .....	2,147	2,381	2,547	2,807	3,358	4,037	4,467	4,791	5,325	23.40	24.70	26.10	29.40	37.50	52.30	73.40	96.40	141.00
14-18 years old .....	2,026	2,330	2,553	2,912	3,676	4,580	5,128	5,525	6,155	42.00	47.50	50.90	55.80	69.50	91.30	107.00	120.00	141.00
Total, age adjusted ...	1,965	2,217	2,398	2,684	3,297	4,052	4,531	4,890	5,481	17.70	19.10	20.50	23.20	29.60	40.80	52.50	64.20	88.10
<b>Lowest income: ≤ 130% poverty</b>																		
5-8 years old .....	2,056	2,257	2,398	2,617	3,063	3,571	3,875	4,096	4,444	30.20	29.80	30.30	32.20	39.80	52.50	61.80	69.00	81.10
9-13 years old .....	2,227	2,450	2,604	2,839	3,312	3,855	4,183	4,421	4,797	41.30	41.40	41.10	42.20	48.50	58.90	66.50	72.50	83.70
14-18 years old .....	2,388	2,639	2,820	3,105	3,699	4,391	4,808	5,111	5,593	58.70	64.90	69.30	75.90	89.40	109.00	123.00	134.00	154.00
Total, age adjusted ...	2,113	2,353	2,525	2,793	3,348	4,004	4,411	4,713	5,203	25.80	27.30	28.90	32.40	42.50	55.40	65.40	74.10	88.60
<b>Low-income: 131-185% poverty</b>																		
5-8 years old .....	1,939	2,120	2,250	2,453	> 2,865	>> 3,314	>>> 3,567	>>> 3,742	>>> 4,005	50.00	51.70	53.10	55.20	57.50	58.10	59.20	61.20	67.40
9-13 years old .....	>>> 2,735	>> 2,918	>> 3,050	3,257	3,691	4,196	4,504	4,729	5,090	101.00	117.00	129.00	148.00	190.00	238.00	269.00	293.00	334.00
14-18 years old .....	2,320	2,607	2,820	3,166	3,925	4,860	5,449	5,887	6,600	139.00	165.00	186.00	217.00	274.00	345.00	396.00	438.00	508.00
Total, age adjusted ...	2,215	2,442	2,614	2,899	3,534	4,285	4,727	5,050	5,577	56.20	64.80	74.10	92.30	131.00	174.00	205.00	230.00	278.00
<b>Higher-income: &gt; 185% poverty</b>																		
5-8 years old .....	> 1,911	>> 2,081	>>> 2,202	>>> 2,389	>>> 2,769	>>> 3,199	>>> 3,455	>>> 3,639	>>> 3,929	41.30	40.70	40.10	39.20	40.60	49.10	57.30	64.10	75.60
9-13 years old .....	>> 2,042	> 2,281	2,454	2,727	3,323	4,084	> 4,585	>> 4,970	>> 5,624	35.40	34.90	35.60	38.20	49.70	77.10	109.00	145.00	231.00
14-18 years old .....	>>> 1,829	>>> 2,155	>>> 2,394	> 2,776	3,588	4,536	5,103	5,512	6,154	60.00	65.30	69.00	74.90	89.90	114.00	130.00	140.00	159.00
Total, age adjusted ...	>>> 1,864	>>> 2,122	>>> 2,310	>>> 2,609	3,239	4,014	4,514	4,893	5,517	25.60	25.70	25.80	26.70	30.60	40.80	51.90	64.80	97.50

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-58—Percent of school-age children using table salt**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-8 years .....	2,138	35.0	2.2	1,096	34.4	2.8	262	41.5	5.8	660	34.6	3.9
9-13 years .....	2,295	54.3	2.0	1,122	54.2	3.4	271	57.3	5.3	775	54.2	2.6
14-18 years .....	1,472	63.6	2.2	689	65.0	3.1	182	60.6	7.4	500	64.0	2.5
Total, age adjusted ...	5,905	52.1	1.3	2,907	52.4	1.7	715	54.0	4.4	1,935	52.2	1.8
<b>Male</b>												
5-8 years .....	1,059	32.7	2.6	524	31.7	3.1	128	37.3	7.9	348	32.6	4.6
9-13 years .....	1,143	54.2	2.9	562	52.4	5.0	135	63.2	8.5	386	52.9	3.4
14-18 years .....	692	67.2	3.2	321	62.6	5.3	85	67.3 *	10.9	227	69.6	3.3
Total, age adjusted ...	2,894	52.7	1.9	1,407	50.2	2.8	348	57.3	6.9	961	53.1	2.1
<b>Female</b>												
5-8 years .....	1,079	37.6	2.7	572	36.8	4.4	134	46.0	7.1	312	37.3	5.0
9-13 years .....	1,152	54.4	2.7	560	55.9	3.3	136	51.8	6.1	389	55.6	3.9
14-18 years .....	780	60.0	2.6	368	67.0	4.4	97	53.9	7.1	273	58.8	3.9
Total, age adjusted ...	3,011	51.7	1.6	1,500	54.5	2.5	367	50.9	4.0	974	51.6	2.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Exam file, 24-hour dietary recall. The 'All Children' column includes children with missing income.

**Table D-59—Mean usual intake of dietary fiber in grams: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error	Sample size	Mean	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	12.7	0.16	1,118	13.5	0.26	270	» 12.2	0.35	673	» 12.4	0.25
9-13 years old .....	2,448	14.4	0.16	1,199	14.3	0.24	288	13.4	0.66	820	14.6	0.28
14-18 years old .....	1,513	15.0	0.28	712	14.9	0.34	186	14.8	0.79	510	14.8	0.39
Total, age adjusted ...	6,148	14.1	0.13	3,029	14.3	0.19	744	» 13.5	0.36	2,003	14.0	0.19
<b>Male</b>												
5-8 years old .....	1,084	13.3	0.23	535	14.1	0.34	130	13.0	0.61	356	» 13.1	0.36
9-13 years old .....	1,212	15.4	0.27	592	–	–	144	15.5	1.23	408	16.0	0.44
14-18 years old .....	718	17.0	0.46	334	15.9	0.57	88	17.8	4.42	234	17.2	0.65
Total, age adjusted ...	3,014	15.3	0.21	1,461	15.0	0.28	362	15.5	0.59	998	15.6	0.27
<b>Female</b>												
5-8 years old .....	1,103	11.9	0.21	583	12.9	0.33	140	» 11.4	0.58	317	»» 11.3	0.28
9-13 years old .....	1,236	13.3	0.25	607	13.9	0.41	144	»» 11.6	0.44	412	13.2	0.33
14-18 years old .....	795	12.9	0.28	378	14.1	0.42	98	» 12.0	0.84	276	» 12.4	0.48
Total, age adjusted ...	3,134	12.7	0.14	1,568	13.7	0.25	382	»» 11.5	0.37	1,005	»» 12.3	0.22

Notes: Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
 – Estimate of usual intake could not be obtained for the gender-age group cell. The cell was pooled with a neighboring age group to determine its contribution to the 'Total, age-adjusted' row.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-60—Percent of school-age children with usual intake of dietary fiber at or above reference standard<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-8 years old .....	2,187	78.0	1.61	1,118	87.2	1.83	270	***68.8	3.49	673	***75.3	2.63
9-13 years old .....	2,448	47.0	1.32	1,199	47.1	2.24	288	39.0	5.24	820	50.1	2.53
14-18 years old .....	1,513	19.9	1.62	712	17.3	2.05	186	17.0	4.79	510	19.8	2.19
Total, age adjusted ...	6,148	46.1	0.88	3,029	47.8	1.21	744	**39.6	2.73	2,003	46.5	1.41
<b>Male</b>												
5-8 years old .....	1,084	86.4	1.92	535	92.2	1.70	130	80.9	5.60	356	86.2	3.15
9-13 years old .....	1,212	55.8	1.97	592	—	—	144	50.7	7.70	408	60.3	3.23
14-18 years old .....	718	30.8	3.18	334	22.8	3.78	88	34.6	13.00	234	33.4	4.34
Total, age adjusted ...	3,014	55.6	1.44	1,461	34.1	1.42	362	***53.5	5.62	998	***58.1	2.13
<b>Female</b>												
5-8 years old .....	1,103	67.8	2.21	583	81.9	3.02	140	***57.2	5.38	317	***61.1	3.29
9-13 years old .....	1,236	38.2	2.42	607	43.1	3.49	144	***23.5	4.06	412	37.7	3.69
14-18 years old .....	795	8.9	1.43	378	12.0	2.29	98	1.5	1.08	276	8.4	2.33
Total, age adjusted ...	3,134	36.2	1.19	1,568	43.0	1.73	382	***25.2	2.15	1,005	***33.9	1.83

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Recommended fiber intake (in gm) is equivalent to age in years plus five.

— Estimate of usual intake could not be obtained for the gender-age group cell. The cell was pooled with a neighboring age group to determine its contribution to the 'Total, age-adjusted' row.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-61—Distribution of usual dietary fiber intake in grams: School-age children**

**Male**

	Std <sup>1</sup> (g/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	11.5	8.6	9.5	10.2	11.1	13.1	15.2	16.5	17.4	18.8	0.23	0.23	0.23	0.23	0.23	0.26	0.28	0.31	0.34
9-13 years old .....	16.0	8.8	9.9	10.7	11.9	14.6	18.0	20.2	21.9	24.8	0.18	0.18	0.18	0.19	0.22	0.38	0.55	0.66	0.80
14-18 years old .....	21.0	9.6	10.9	11.8	13.2	16.3	20.0	22.4	24.1	26.9	0.32	0.34	0.35	0.37	0.43	0.55	0.65	0.72	0.85
Total, age adjusted ...	na	8.7	9.8	10.6	11.9	14.7	18.0	20.1	21.7	24.3	0.14	0.15	0.15	0.16	0.18	0.26	0.32	0.37	0.46
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	11.5	9.4	10.3	11.0	11.9	13.8	16.0	17.4	18.4	20.0	0.27	0.28	0.28	0.29	0.34	0.40	0.44	0.47	0.51
9-13 years old .....	16.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14-18 years old .....	21.0	9.2	10.4	11.2	12.6	15.3	18.6	20.7	22.2	24.7	0.41	0.43	0.44	0.47	0.54	0.67	0.77	0.84	0.96
Total, age adjusted ...	na	9.2	10.2	11.0	12.1	14.4	17.2	19.0	20.4	22.5	0.19	0.20	0.20	0.22	0.26	0.34	0.38	0.42	0.49
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	11.5	7.8	8.8	9.5	10.6	12.8	15.2	16.6	17.5	19.0	0.66	0.64	0.63	0.62	0.62	0.65	0.68	0.72	0.79
9-13 years old .....	16.0	7.4	8.6	9.5	11.0	14.1	18.3	21.4	23.8	28.2	0.49	0.49	0.54	0.67	1.09	1.65	2.06	2.40	3.00
14-18 years old .....	21.0	12.3	13.3	14.0	15.2	17.5	20.1	21.7	22.8	24.5	1.04	1.30	1.53	2.00	3.37	5.67	7.45	8.92	11.60
Total, age adjusted ...	na	8.7	9.8	10.7	12.0	14.9	18.3	20.5	22.1	24.8	0.35	0.37	0.38	0.42	0.54	0.74	0.90	1.04	1.27
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	11.5	8.7	9.5	10.1	11.1	13.0	15.0	16.1	17.0	18.2	0.32	0.34	0.35	0.36	0.36	0.38	0.42	0.46	0.53
9-13 years old .....	16.0	9.1	10.2	11.0	12.3	15.2	18.7	21.0	22.8	25.7	0.30	0.31	0.31	0.33	0.39	0.58	0.72	0.83	1.06
14-18 years old .....	21.0	9.2	10.4	11.4	13.0	16.5	20.6	23.0	24.9	27.9	0.44	0.50	0.52	0.56	0.64	0.79	0.91	1.01	1.17
Total, age adjusted ...	na	8.7	9.8	10.6	11.9	14.9	18.4	20.6	22.3	25.1	0.16	0.18	0.20	0.21	0.24	0.35	0.43	0.49	0.58

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

<sup>1</sup> Recommended fiber intake (in gm) is equivalent to age in years plus five.

— Estimate of usual intake could not be obtained for the gender-age group cell. The cell was pooled with a neighboring age group to determine its contribution to the 'Total, age-adjusted' row.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using C-SIDE: Software for Intake Distribution Estimation, accounting for within-person variance as estimated from the Continuing Survey of Food Intakes by Individuals (CSFII).

'All Children' includes children with missing income.

**Table D-61—Distribution of usual dietary fiber intake in grams: School-age children  
— Continued**

**Female**

	Std <sup>1</sup> (g/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	11.5	6.9	7.8	8.4	9.4	11.5	14.0	15.5	16.6	18.4	0.14	0.15	0.16	0.18	0.21	0.26	0.29	0.31	0.35
9-13 years old .....	16.0	7.5	8.4	9.1	10.3	12.7	15.7	17.5	18.8	20.9	0.14	0.15	0.16	0.19	0.24	0.32	0.36	0.39	0.44
14-18 years old .....	21.0	7.1	8.1	8.8	9.9	12.3	15.3	17.2	18.6	20.9	0.15	0.17	0.18	0.21	0.25	0.35	0.44	0.52	0.72
Total, age adjusted ...	na	7.2	8.1	8.8	9.9	12.2	15.0	16.7	18.0	20.1	0.09	0.10	0.10	0.12	0.14	0.16	0.19	0.22	0.30
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	11.5	8.3	9.1	9.7	10.6	12.5	14.8	16.2	17.2	18.8	0.25	0.26	0.27	0.28	0.33	0.39	0.42	0.44	0.48
9-13 years old .....	16.0	7.4	8.5	9.2	10.5	13.2	16.6	18.7	20.3	23.0	0.21	0.23	0.25	0.29	0.38	0.52	0.63	0.72	0.86
14-18 years old .....	21.0	8.4	9.4	10.1	11.2	13.7	16.6	18.3	19.5	21.4	0.27	0.29	0.31	0.34	0.42	0.52	0.56	0.59	0.62
Total, age adjusted ...	na	8.0	9.0	9.7	10.8	13.2	16.0	17.8	19.0	21.1	0.14	0.16	0.17	0.19	0.24	0.31	0.35	0.39	0.44
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	11.5	>>>6.2	>>>6.9	>>>7.5	>>>8.5	> 10.6	13.4	15.3	16.7	19.0	0.29	0.32	0.36	0.41	0.52	0.76	0.94	1.08	1.33
9-13 years old .....	16.0	> 6.5	>> 7.3	> 7.9	> 9.0	>> 11.2	>> 13.8	>> 15.3	>>>16.4	>>>18.0	0.23	0.28	0.31	0.36	0.44	0.54	0.61	0.67	0.78
14-18 years old .....	21.0	8.2	8.9	9.3	10.1	11.7	13.6	> 14.7	> 15.5	>> 16.9	0.63	0.67	0.70	0.75	0.84	0.96	1.04	1.10	1.21
Total, age adjusted ...	na	>>>6.8	>>>7.6	>>>8.1	>>>9.0	>>>11.0	>>>13.5	>>>15.0	>>>16.1	>> 18.0	0.18	0.21	0.23	0.26	0.35	0.46	0.54	0.61	0.74
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	11.5	>>>6.5	>>>7.3	>>>7.9	>>>8.9	>> 10.9	> 13.2	14.6	15.7	17.3	0.22	0.23	0.23	0.24	0.28	0.34	0.40	0.45	0.53
9-13 years old .....	16.0	8.1	9.0	9.7	10.7	12.9	15.4	16.9	18.0	>> 19.6	0.20	0.23	0.24	0.27	0.33	0.40	0.44	0.47	0.52
14-18 years old .....	21.0	>>>6.6	>>>7.5	>>>8.2	>>>9.2	>> 11.6	14.7	16.7	18.3	21.0	0.22	0.24	0.26	0.30	0.40	0.59	0.78	0.98	1.44
Total, age adjusted ...	na	>>>7.0	>>>7.9	>>>8.6	>>>9.6	>>>11.8	>>>14.4	>> 16.1	> 17.4	19.6	0.13	0.14	0.15	0.16	0.19	0.25	0.32	0.40	0.58

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

<sup>1</sup> Recommended fiber intake (in gm) is equivalent to age in years plus five.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-61—Distribution of usual dietary fiber intake in grams: School-age children  
— Continued**

**Both sexes**

	Std <sup>1</sup> (g/dy)	Percentiles									Standard errors of percentiles								
		5th	10th	15th	25th	50th	75th	85th	90th	95th	5th	10th	15th	25th	50th	75th	85th	90th	95th
<b>All children</b>																			
5-8 years old .....	11.5	7.7	8.6	9.3	10.3	12.3	14.7	16.1	17.1	18.7	0.14	0.14	0.15	0.15	0.16	0.19	0.22	0.24	0.26
9-13 years old .....	16.0	8.0	9.0	9.8	11.0	13.7	16.9	19.0	20.6	23.2	0.09	0.10	0.10	0.11	0.14	0.20	0.27	0.33	0.44
14-18 years old .....	21.0	7.7	8.9	9.7	11.1	14.1	17.9	20.3	22.1	25.0	0.14	0.16	0.18	0.21	0.26	0.34	0.42	0.49	0.61
Total, age adjusted ...	na	7.7	8.7	9.5	10.7	13.4	16.6	18.6	20.2	22.7	0.08	0.08	0.08	0.09	0.11	0.16	0.20	0.25	0.32
<b>Lowest income: ≤ 130% poverty</b>																			
5-8 years old .....	11.5	8.7	9.6	10.3	11.2	13.2	15.4	16.8	17.8	19.4	0.20	0.21	0.22	0.23	0.27	0.30	0.33	0.35	0.38
9-13 years old .....	16.0	7.9	9.0	9.8	11.0	13.7	16.9	19.0	20.5	23.0	0.16	0.17	0.18	0.19	0.24	0.30	0.35	0.39	0.44
14-18 years old .....	21.0	8.5	9.6	10.4	11.7	14.3	17.5	19.5	21.0	23.4	0.23	0.25	0.26	0.28	0.32	0.40	0.47	0.52	0.61
Total, age adjusted ...	na	8.3	9.4	10.1	11.3	13.8	16.7	18.6	20.0	22.2	0.12	0.12	0.13	0.14	0.18	0.23	0.27	0.30	0.35
<b>Low-income: 131-185% poverty</b>																			
5-8 years old .....	11.5	>>>6.7	>>>7.6	>>>8.3	>>>9.4	>>11.7	14.5	16.2	17.4	19.3	0.34	0.32	0.32	0.32	0.35	0.42	0.48	0.52	0.60
9-13 years old .....	16.0	>>>6.6	>>>7.6	>>>8.3	>>9.6	12.6	16.2	18.4	20.1	23.0	0.23	0.25	0.27	0.33	0.59	0.90	1.10	1.27	1.60
14-18 years old .....	21.0	8.4	9.5	10.3	11.5	14.2	17.5	19.5	20.9	23.3	0.52	0.58	0.61	0.66	0.77	0.93	1.06	1.17	1.35
Total, age adjusted ...	na	>>>7.2	>>>8.2	>>>8.9	>>10.2	12.9	16.1	18.1	19.6	22.0	0.20	0.21	0.23	0.26	0.32	0.45	0.54	0.62	0.76
<b>Higher-income: &gt; 185% poverty</b>																			
5-8 years old .....	11.5	>>>7.5	>>>8.4	>>>9.0	>>10.0	>12.1	14.4	15.7	16.6	18.1	0.20	0.22	0.22	0.23	0.25	0.28	0.30	0.33	0.39
9-13 years old .....	16.0	8.5	9.5	10.3	11.5	14.0	17.1	19.0	20.5	23.0	0.15	0.17	0.19	0.21	0.26	0.37	0.48	0.57	0.70
14-18 years old .....	21.0	>>>7.3	>>8.4	>>9.2	10.6	13.8	17.8	20.4	22.3	25.6	0.20	0.23	0.25	0.30	0.39	0.50	0.60	0.70	0.94
Total, age adjusted ...	na	>>7.7	>>>8.7	>>9.5	>10.7	13.3	16.5	18.6	20.2	22.8	0.11	0.12	0.12	0.14	0.17	0.24	0.30	0.36	0.46

Notes: Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty). The Bonferroni adjustment was used to adjust levels of significant and control for multiplicity in the number of tests.

<sup>1</sup> Recommended fiber intake (in gm) is equivalent to age in years plus five.

Source: NHANES-III, 1988-94 Exam file, 24-hour dietary recall. Data reflect nutrient intake from foods. Does not include the contribution of vitamin and mineral supplements. Usual intake was estimated using *C-SIDE: Software for Intake Distribution Estimation*, accounting for within-person variance as estimated from the *Continuing Survey of Food Intakes by Individuals (CSFII)*. 'All Children' includes children with missing income.

**Table D-62—Mean Body Mass Index: School-age children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean BMI	Standard Error	Sample size	Mean BMI	Standard Error	Sample size	Mean BMI	Standard Error	Sample size	Mean BMI	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,447	17.2	0.11	1,743	17.2	0.13	418	17.1	0.26	1,101	17.2	0.18
11-13 years .....	1,402	20.2	0.16	689	20.9	0.28	164	20.0	0.40	464	»» 19.7	0.19
14-18 years .....	1,482	22.5	0.25	684	23.4	0.42	188	» 22.2	0.50	508	» 22.1	0.42
Total, age adjusted ...	6,331	19.7	0.13	3,116	20.2	0.16	770	» 19.6	0.23	2,073	» 19.5	0.22
<b>Male</b>												
5-10 years .....	1,738	17.2	0.12	858	17.3	0.16	203	17.2	0.31	580	17.0	0.18
11-13 years .....	668	20.0	0.18	327	20.3	0.26	84	20.2	0.45	222	19.7	0.27
14-18 years .....	733	22.5	0.41	340	23.0	0.61	91	22.0	0.54	240	22.5	0.68
Total, age adjusted ...	3,139	19.7	0.16	1,525	20.0	0.24	378	19.5	0.26	1,042	19.5	0.27
<b>Female</b>												
5-10 years .....	1,709	17.3	0.18	885	17.1	0.19	215	17.1	0.39	521	17.4	0.36
11-13 years .....	734	20.4	0.29	362	21.4	0.44	80	19.9 *	0.73	242	» 19.8	0.37
14-18 years .....	749	22.5	0.23	344	23.8	0.49	97	22.4	0.71	268	»» 21.7	0.28
Total, age adjusted ...	3,192	19.8	0.16	1,591	20.4	0.18	392	» 19.6	0.34	1,031	»» 19.4	0.23

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income.



**Table D-63—Percent of school-age children overweight and at risk of overweight**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
Percent of children overweight <sup>1</sup>												
Both sexes												
5-10 years .....	3,447	11.2	1.01	1,743	10.9	1.29	418	11.3	2.75	1,101	11.2	1.68
11-13 years .....	1,402	11.7	1.28	689	13.7	2.66	164	10.2 *	3.71	464	9.8	1.61
14-18 years .....	1,482	9.7	1.25	684	16.5	2.70	188	7.8 *	3.15	508	6.5 **	1.86
Total, age adjusted ...	6,331	10.8	0.68	3,116	13.5	1.20	770	9.8 *	1.42	2,073	9.3 *	1.16
Male												
5-10 years .....	1,738	10.8	1.37	858	11.2	1.69	203	13.2	4.33	580	10.2	2.06
11-13 years .....	668	12.0	1.83	327	13.4	3.21	84	13.0 *	6.27	222	9.7	2.79
14-18 years .....	733	10.7	2.03	340	18.8	4.45	91	11.2 *	5.69	240	6.8 *	2.58
Total, age adjusted ...	3,139	11.0	0.97	1,525	14.3	1.97	378	12.5	2.42	1,042	8.9 *	1.40
Female												
5-10 years .....	1,709	11.5	1.49	885	10.7	1.78	215	9.5 *	3.15	521	12.6	3.16
11-13 years .....	734	11.3	1.86	362	14.0	3.72	80	6.7 *	3.19	242	9.8	2.05
14-18 years .....	749	8.7	1.29	344	14.3	2.57	97	4.3 **	2.18	268	6.3 *	2.05
Total, age adjusted ...	3,192	10.4	0.96	1,591	12.7	1.21	392	7.1 **	1.75	1,031	9.7	1.73
Percent of children at risk of overweight <sup>2</sup>												
Both sexes												
5-10 years .....	3,447	13.0	0.99	1,743	12.7	1.19	418	7.7 **	1.29	1,101	14.1	1.67
11-13 years .....	1,402	15.8	1.60	689	21.6	2.99	164	16.1	6.41	464	12.5 *	1.98
14-18 years .....	1,482	14.9	1.91	684	17.0	3.26	188	19.8	5.07	508	12.6	2.84
Total, age adjusted ...	6,331	14.3	0.94	3,116	16.1	1.41	770	13.7	2.25	2,073	13.2	1.37
Male												
5-10 years .....	1,738	13.6	1.73	858	14.1	2.53	203	7.4 *	2.78	580	14.0	2.30
11-13 years .....	668	15.9	2.48	327	21.2	5.07	84	17.2 *	6.62	222	12.6	3.32
14-18 years .....	733	13.5	2.44	340	11.7	3.16	91	14.9 *	6.19	240	14.7	3.83
Total, age adjusted ...	3,139	14.0	1.25	1,525	14.7	1.96	378	12.1	3.28	1,042	14.0	1.80
Female												
5-10 years .....	1,709	12.4	1.24	885	11.3	1.83	215	7.9 *	2.35	521	14.2	2.36
11-13 years .....	734	15.6	2.10	362	22.1	3.74	80	14.8 *	8.31	242	12.4 *	2.95
14-18 years .....	749	16.4	2.31	344	22.0	5.33	97	24.7	7.41	268	10.5	3.01
Total, age adjusted ...	3,192	14.5	1.15	1,591	17.4	2.19	392	15.3	2.79	1,031	12.5	1.55

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
 1 Overweight is defined by BMI ≥ 95th percentile of the BMI-for-age growth chart, as determined by age at measurement.  
 2 Risk of overweight is defined by BMI between the 85th and 95th percentile of the BMI-for-age growth chart, as determined by age at measurement.

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income.

**Table D-64—Percent of school-age children underweight and percent growth retarded<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
Percent underweight <sup>2</sup>												
Both sexes												
5-10 years .....	3,447	4.0	0.65	1,743	2.9	0.76	418	4.0	1.43	1,101	4.6	1.10
11-13 years .....	1,402	3.0	0.78	689	2.1 *	0.60	164	0.8 *	0.66	464	4.2	1.36
14-18 years .....	1,482	3.5	0.69	684	5.3	1.96	188	1.8 *	1.22	508	2.9 *	0.74
Total, age adjusted ...	6,331	3.6	0.36	3,116	3.6	0.83	770	2.6	0.82	2,073	3.9	0.56
Male												
5-10 years .....	1,738	4.0	0.93	858	2.3 *	0.72	203	2.5 *	1.17	580	5.2	1.65
11-13 years .....	668	2.3 *	0.81	327	1.4 *	0.53	84	1.5 *	1.17	222	3.1 *	1.45
14-18 years .....	733	4.9	0.98	340	6.1 *	2.38	91	3.3 *	2.38	240	4.7 *	1.40
Total, age adjusted ...	3,139	4.0	0.51	1,525	3.5	0.88	378	2.6 *	1.18	1,042	4.6	0.82
Female												
5-10 years .....	1,709	4.0	0.88	885	3.5	1.32	215	5.4 *	2.56	521	3.8	1.29
11-13 years .....	734	3.8	1.39	362	2.8 *	1.09	80	0.1 *	0.08	242	5.4 *	2.51
14-18 years .....	749	2.0 *	0.98	344	4.5 *	3.07	97	0.2 *	0.24	268	1.0 *	0.61
Total, age adjusted ...	3,192	3.2	0.54	1,591	3.7	1.20	392	2.4 *	1.10	1,031	3.1	0.79
Percent of children growth retarded <sup>1</sup>												
Both sexes												
5-10 years .....	3,466	4.2	0.66	1,758	4.5	0.96	418	6.8 *	2.29	1,101	3.6	0.91
11-13 years .....	1,422	2.7	0.50	699	3.3 *	1.09	165	2.1 *	1.57	472	1.5 *	0.73
14-18 years .....	1,505	4.5	0.84	699	6.9	1.17	188	3.6 *	1.52	515	2.5 *	1.12
Total, age adjusted ...	6,393	4.0	0.40	3,156	5.1	0.61	771	4.7	1.11	2,088	2.8	0.61
Male												
5-10 years .....	1,745	3.9	0.85	863	3.8	0.86	203	9.8 *	4.08	580	3.0 *	1.01
11-13 years .....	680	3.0	0.86	334	3.9	1.08	84	0.9 *	0.64	226	2.5 *	1.39
14-18 years .....	740	5.0	0.91	346	7.4	2.10	91	4.3 *	2.43	241	1.9 *	1.13
Total, age adjusted ...	3,165	4.1	0.48	1,543	5.1	0.82	378	6.0	1.59	1,047	2.5	0.69
Female												
5-10 years .....	1,721	4.6	0.90	895	5.2	1.45	215	4.0 *	1.73	521	4.4 *	1.49
11-13 years .....	742	2.3	0.47	365	2.8 *	2.02	81	3.6 *	3.14	246	0.4 *	0.13
14-18 years .....	765	4.0	1.09	353	6.5	1.43	97	2.9 *	1.92	274	3.1 *	1.85
Total, age adjusted ...	3,228	3.9	0.51	1,613	5.1	0.87	393	3.5 *	1.19	1,041	3.1	0.87

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Growth retardation is identified as < 5th percentile of the CDC height-for-age growth chart.

<sup>2</sup> Underweight is defined by BMI < 5th percentile of the BMI-for-age growth chart, as determined by age at measurement.

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income.

**Table D-65—Percent of school-age children with iron deficiency<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	2,909	3.2	0.6	1,517	3.4	0.7	346	2.7 *	1.2	900	3.4	1.0
11-13 years .....	1,260	5.8	1.0	638	9.5	2.3	148	8.0 *	5.3	407	> 3.2 *	1.0
14-18 years .....	1,720	5.2	0.8	810	8.1	1.6	215	> 2.8 *	1.5	570	> 3.8	1.0
Total, age adjusted ...	5,889	4.5	0.5	2,965	6.3	0.8	709	3.9	1.4	1,877	>> 3.5	0.7
<b>Male</b>												
5-10 years .....	1,478	3.2	0.8	754	3.3 *	1.0	165	2.6 *	1.3	482	3.4 *	1.4
11-13 years .....	604	3.6 *	1.1	305	3.4 *	1.0	72	6.0 *	3.4	199	3.2 *	1.6
14-18 years .....	841	1.1 *	0.4	388	1.8 *	0.6	105	0.6 *	0.4	270	1.0 *	0.7
Total, age adjusted ...	2,923	2.5	0.5	1,447	2.8	0.5	342	2.6 *	0.9	951	2.5	0.8
<b>Female</b>												
5-10 years .....	1,431	3.3	0.9	763	3.4 *	1.0	181	2.9 *	1.4	418	3.4 *	1.8
11-13 years .....	656	8.4	1.7	333	15.7	4.3	76	10.5 *	8.0	208	>> 3.2 *	0.9
14-18 years .....	879	9.5	1.5	422	13.3	2.9	110	> 5.0 *	3.0	300	> 6.7	1.6
Total, age adjusted ...	2,966	6.6	0.8	1,518	9.5	1.5	367	5.3 *	2.2	926	>> 4.5	1.1

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Iron deficiency is indicated by at least 2 of the following: low serum transferrin saturation, high erythrocyte protoporphyrin (EPP), and low serum ferritin. See appendix B.

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-66—Percent of school-age children with low serum ferritin<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	2,990	6.1	0.8	1,555	4.6	1.1	358	6.5 *	1.3	926	7.3	1.4
11-13 years .....	1,288	6.9	1.1	651	9.2	2.6	152	8.4 *	3.6	416	5.4	1.4
14-18 years .....	1,764	6.7	0.9	824	8.9	1.8	217	» 3.0 *	1.5	594	6.1	1.6
Total, age adjusted ...	6,042	6.5	0.6	3,030	7.1	1.0	727	5.6	1.2	1,936	6.5	1.0
<b>Male</b>												
5-10 years .....	1,510	5.7	1.0	765	4.7 *	1.4	173	8.0 *	2.4	492	5.9	1.4
11-13 years .....	620	4.5	1.2	312	3.8 *	1.5	75	2.6 *	1.4	204	5.6 *	2.0
14-18 years .....	863	1.7 *	0.5	397	2.7 *	0.9	106	» 0.6 *	0.4	280	1.8 *	0.8
Total, age adjusted ...	2,993	4.0	0.6	1,474	3.8	0.6	354	4.2 *	1.2	976	4.4	0.9
<b>Female</b>												
5-10 years .....	1,480	6.6	1.5	790	4.5 *	1.9	185	5.2 *	1.9	434	9.0	2.8
11-13 years .....	668	9.6	2.0	339	14.8	4.8	77	15.4 *	8.6	212	5.1 *	2.1
14-18 years .....	901	11.8	1.7	427	14.0	3.4	111	5.4 *	3.0	314	10.6	2.9
Total, age adjusted ...	3,049	9.1	1.0	1,556	10.0	1.7	373	7.4 *	2.3	960	8.8	1.8

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Low serum ferritin is identified by < 12 mcg/mL for females age 12-18, and < 15 mcg/mL for all other children. Source: *Healthy People 2010* (U.S. DHHS, 2000a).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-67—Percent of school-age children with high free erythrocyte protoporphyrin <sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,033	4.7	0.72	1,574	5.8	0.91	364	4.6 *	1.12	942	3.9	1.02
11-13 years .....	1,303	6.8	1.21	662	9.2	2.24	153	10.0 *	5.20	418	4.4 *	1.52
14-18 years .....	1,781	5.8	0.81	833	10.2	1.91	221	4.1 *	2.28	598	***3.5 *	0.83
Total, age adjusted ...	6,117	5.5	0.48	3,069	8.1	0.88	738	5.5	1.54	1,958	***3.8	0.66
<b>Male</b>												
5-10 years .....	1,538	5.1	0.98	778	5.9	1.26	178	5.8 *	2.33	501	4.2 *	1.48
11-13 years .....	628	4.9	1.62	318	5.2 *	1.78	76	5.9 *	3.58	204	4.6 *	2.56
14-18 years .....	872	1.3 *	0.43	401	2.8 *	0.91	107	0.4 *	0.46	284	0.9 *	0.65
Total, age adjusted ...	3,038	3.7	0.59	1,497	4.6	0.70	361	3.9 *	1.32	989	3.1	0.87
<b>Female</b>												
5-10 years .....	1,495	4.3	0.98	796	5.8	1.38	186	3.5 *	1.24	441	3.4 *	1.39
11-13 years .....	675	9.0	1.95	344	13.4	4.02	77	15.1 *	8.93	214	4.0 *	1.56
14-18 years .....	909	10.4	1.64	432	16.3	3.31	114	7.7 *	4.54	314	**6.4 *	1.64
Total, age adjusted ...	3,079	7.5	0.78	1,572	11.1	1.58	377	7.4	2.71	969	***4.6	0.95

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> High free erythrocyte protoporphyrin is identified as > 70. Source: *Healthy People 2010* (U.S. DHHS, 2000a).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-68—Percent of school-age children with low transferrin saturation<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	2,963	26.4	1.7	1,544	27.4	2.4	352	29.4	4.4	918	25.4	2.4
11-13 years .....	1,287	24.0	1.7	653	26.6	3.4	151	28.8	6.6	414	21.3	2.6
14-18 years .....	1,759	18.3	1.7	820	24.4	2.3	218	>>>10.3 *	3.0	594	> 16.6	2.4
Total, age adjusted ...	6,009	23.0	1.1	3,017	26.2	1.8	721	22.5	2.8	1,926	21.4	1.5
<b>Male</b>												
5-10 years .....	1,496	26.6	2.4	762	30.9	3.8	169	24.2	5.1	488	25.0	3.4
11-13 years .....	622	24.7	2.7	315	23.7	4.9	74	28.6 *	6.5	203	24.7	3.9
14-18 years .....	863	15.5	2.5	394	15.8	3.5	106	8.4 *	4.0	283	16.6	3.8
Total, age adjusted ...	2,981	22.2	1.6	1,471	24.0	2.3	349	19.5	2.7	974	22.0	2.5
<b>Female</b>												
5-10 years .....	1,467	26.1	2.2	782	24.1	3.6	183	33.7	5.7	430	25.8	2.7
11-13 years .....	665	23.2	2.3	338	29.7	4.2	77	28.9 *	9.4	211	> 17.3	3.3
14-18 years .....	896	21.3	2.1	426	31.6	3.6	112	>>>12.2 *	4.1	311	>>>16.5	2.4
Total, age adjusted ...	3,028	23.8	1.5	1,546	27.9	2.3	372	25.0	4.3	952	>> 20.7	1.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> Criteria for low transferrin saturation varies by age and gender. See appendix B.

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-69—Percent of school-age children with iron deficiency anemia<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	2,909	0.5 *	0.2	1,517	0.4 *	0.1	346	0.6 *	0.5	900	0.4 *	0.2
11-13 years .....	1,260	0.3 *	0.1	638	0.7 *	0.2	148	0.2 *	0.2	407	0.2 *	0.1
14-18 years .....	1,720	1.6	0.4	810	2.2 *	0.6	215	» 0.7 *	0.5	570	1.2 *	0.5
Total, age adjusted ...	5,889	0.8	0.1	2,965	1.1	0.2	709	0.6 *	0.3	1,877	0.7 *	0.2
<b>Male</b>												
5-10 years .....	1,478	0.6 *	0.2	754	0.5 *	0.2	165	0.3 *	0.2	482	0.7 *	0.4
11-13 years .....	604	0.1 *	0.1	305	0.4 *	0.2	72	0.0	0.0	199	0.0	0.0
14-18 years .....	841	0.3 *	0.1	388	0.9 *	0.5	105	0.0	0.0	270	0.1 *	0.1
Total, age adjusted ...	2,923	0.4 *	0.1	1,447	0.6 *	0.2	342	» 0.1 *	0.1	951	0.3 *	0.2
<b>Female</b>												
5-10 years .....	1,431	0.3 *	0.2	763	0.4 *	0.2	181	0.9 *	1.0	418	0.1 *	0.1
11-13 years .....	656	0.6 *	0.2	333	1.0 *	0.4	76	0.5 *	0.6	208	0.4 *	0.3
14-18 years .....	879	2.9	0.7	422	3.3 *	1.0	110	1.5 *	1.0	300	2.5 *	1.1
Total, age adjusted ...	2,966	1.3	0.2	1,518	1.5	0.4	367	1.0 *	0.6	926	1.0 *	0.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Iron deficiency anemia is defined as iron deficiency and low hemoglobin. See appendix B.

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-70—Percent of school-age children with low hemoglobin<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,002	5.8	0.7	1,565	7.6	1.2	359	5.5 *	1.7	926	⁴ 4.6	0.9
11-13 years .....	1,293	5.0	1.1	653	6.8	1.3	154	⁵⁵ 2.0 *	0.9	417	5.0 *	1.7
14-18 years .....	1,749	6.8	1.1	826	10.3	2.0	220	8.1 *	2.4	576	⁵⁵ 4.2 *	1.0
Total, age adjusted ...	6,044	6.0	0.6	3,044	8.4	1.0	733	⁴ 5.7	1.0	1,919	⁵⁵ 4.5	0.6
<b>Male</b>												
5-10 years .....	1,525	5.5	0.8	776	7.6	1.4	174	6.6 *	2.6	493	⁴ 4.0 *	1.1
11-13 years .....	625	5.3 *	1.5	312	6.5 *	1.8	78	2.5 *	1.4	206	⁵⁵ 5.7 *	2.6
14-18 years .....	854	5.0	1.3	397	11.8	4.0	107	8.5 *	4.0	272	⁵⁵ 0.9 *	0.3
Total, age adjusted ...	3,004	5.3	0.7	1,485	8.9	1.8	359	6.4 *	1.7	971	⁵⁵ 3.3	0.7
<b>Female</b>												
5-10 years .....	1,477	6.2	0.9	789	7.5	1.4	185	4.6 *	2.3	433	5.2 *	1.2
11-13 years .....	668	4.7 *	1.2	341	7.1 *	1.7	76	⁵⁵ 1.5 *	1.0	211	4.2 *	1.7
14-18 years .....	895	8.7	1.6	429	9.1	1.6	113	7.8 *	2.6	304	7.6 *	2.1
Total, age adjusted ...	3,040	6.8	0.9	1,559	8.0	1.0	374	⁴ 5.0 *	1.3	948	5.8	1.0

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by ⁴ (.05 level), ⁵⁵ (.01 level), or ⁵⁵⁵ (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> Criteria for low hemoglobin varies by age, gender, and smoking status. See appendix B.

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.



**Table D-71—Percent of school-age children with low hematocrit<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,002	5.8	0.7	1,565	6.7	0.9	359	7.1	2.2	926	4.9	0.9
11-13 years .....	1,293	4.8	1.2	653	5.4	1.0	154	>>>0.9 *	0.7	417	5.7 *	2.1
14-18 years .....	1,749	6.1	0.9	826	8.8	1.9	220	9.4 *	3.0	576	>>3.6 *	0.7
Total, age adjusted ...	6,044	5.7	0.6	3,044	7.2	0.9	733	6.6	1.4	1,919	>4.6	0.8
<b>Male</b>												
5-10 years .....	1,525	5.2	0.8	776	6.3	1.2	174	6.4 *	2.7	493	4.5 *	1.3
11-13 years .....	625	4.5 *	1.4	312	5.2 *	1.4	78	>1.6 *	1.2	206	5.1 *	2.4
14-18 years .....	854	4.4	1.3	397	8.3	3.8	107	11.7 *	5.1	272	1.4 *	0.6
Total, age adjusted ...	3,004	4.8	0.7	1,485	6.8	1.5	359	7.2	2.1	971	3.5	0.9
<b>Female</b>												
5-10 years .....	1,477	6.5	1.1	789	7.2	1.3	185	7.8 *	3.3	433	5.4 *	1.1
11-13 years .....	668	5.2	1.6	341	5.7 *	1.4	76	>>>0.0 *	0.0	211	6.3 *	2.5
14-18 years .....	895	7.9	1.2	429	9.2	1.7	113	7.1 *	2.6	304	6.0 *	1.4
Total, age adjusted ...	3,040	6.7	0.9	1,559	7.6	1.0	374	5.9 *	1.6	948	5.8	1.0

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Criteria for low hematocrit varies by age, gender, and smoking status. See appendix B.

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-72—Percent of school-age children with low red blood cell folate<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	2,989	1.3 *	0.3	1,547	1.9 *	0.7	360	1.6 *	0.6	931	1.0 *	0.4
11-13 years .....	1,293	6.6	0.9	654	8.2	1.6	154	7.3 *	2.6	415	5.7 *	1.3
14-18 years .....	1,755	12.2	1.2	817	16.8	2.4	218	***5.4 *	1.6	593	» 10.9	2.0
Total, age adjusted ...	6,037	6.3	0.6	3,018	8.6	1.0	732	***4.2	0.9	1,939	» 5.5	0.8
<b>Male</b>												
5-10 years .....	1,509	0.7 *	0.4	760	1.9 *	1.3	175	>0	>0	494	0.2 *	0.1
11-13 years .....	628	4.4 *	1.2	316	4.9 *	2.0	77	8.0 *	4.5	205	3.4 *	1.5
14-18 years .....	855	10.3	1.3	389	13.6	3.1	105	** 3.6 *	1.4	281	9.6	2.0
Total, age adjusted ...	2,992	4.9	0.6	1,465	6.7	1.3	357	» 3.0 *	1.1	980	4.2	0.8
<b>Female</b>												
5-10 years .....	1,480	2.0 *	0.4	787	2.0 *	0.4	185	3.0 *	1.2	437	1.8 *	0.8
11-13 years .....	665	9.1	1.5	338	11.6 *	2.4	77	6.4 *	2.8	210	8.4 *	2.5
14-18 years .....	900	14.2	2.2	428	19.5	3.1	113	** 7.2 *	2.8	312	12.2	3.3
Total, age adjusted ...	3,045	7.8	0.9	1,553	10.2	1.2	375	** 5.2 *	1.3	959	» 6.9	1.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by » (.05 level), \*\* (.01 level), or \*\*\* (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Low RBC folate is identified as < 95 ng/mL. Source: *Healthy People 2010* (U.S. DHHS, 2000a).

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Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-73—Percent of school-age children with low serum vitamin B<sub>12</sub><sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	1,380	0.2 *	0.11	775	0.3 *	0.26	148	0.0 *	0.00	407	0.1 *	0.08
11-13 years .....	697	0.1 *	0.05	374	0.1 *	0.13	73	0.4 *	0.37	220	0.0	0.00
14-18 years .....	948	0.9 *	0.48	506	0.4 *	0.27	98	0.6 *	0.57	293	1.2 *	0.90
Total, age adjusted ...	3,025	0.4 *	0.18	1,655	0.3 *	0.17	319	0.3 *	0.22	920	0.5 *	0.32
<b>Male</b>												
5-10 years .....	713	0.1 *	0.10	396	0.2 *	0.17	75	0.0 *	0.00	215	0.2 *	0.16
11-13 years .....	318	0.0	0.00	164	0.0	0.00	35	0.0 *	0.00	104	0.0 *	0.00
14-18 years .....	458	0.9 *	0.84	239	0.3 *	0.31	50	0.0 *	0.00	141	1.6 *	1.59
Total, age adjusted ...	1,489	0.4 *	0.30	799	0.2 *	0.13	160	0.0 *	0.00	460	0.6 *	0.57
<b>Female</b>												
5-10 years .....	667	0.2 *	0.20	379	0.5 *	0.49	73	0.0 *	0.00	192	0.0	0.00
11-13 years .....	379	0.2 *	0.12	210	0.2 *	0.25	38	0.9 *	0.94	116	0.0 *	0.00
14-18 years .....	490	0.8 *	0.48	267	0.6 *	0.31	48	1.3 *	1.30	152	0.9 *	0.86
Total, age adjusted ...	1,536	0.4 *	0.21	856	0.5 *	0.26	159	0.6 *	0.51	460	0.3 *	0.31

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Low serum vitamin B<sub>12</sub> is identified as < 200 pg/mL. Source: *Healthy People 2010* (U.S. DHHS, 2000a).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-74—Percent of school-age children with high total cholesterol<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	2,950	11.0	1.0	1,535	10.0	1.2	351	7.4 *	2.1	916	12.2	1.8
11-13 years .....	1,281	9.9	1.5	649	11.2	2.2	152	8.4 *	2.4	411	8.5	2.2
14-18 years .....	1,754	8.7	1.2	817	10.8	1.8	216	6.6 *	2.4	592	7.3	1.5
Total, age adjusted ...	5,985	9.9	0.6	3,001	10.6	0.8	719	7.3 *	1.4	1,919	9.7	1.1
<b>Male</b>												
5-10 years .....	1,488	11.8	1.7	754	9.3	1.7	170	6.5 *	2.4	485	13.7	3.0
11-13 years .....	620	9.2	1.8	313	10.4 *	2.6	75	6.7 *	2.6	203	7.2 *	2.3
14-18 years .....	854	7.1	1.7	390	10.0	2.7	105	6.7 *	3.9	279	4.9 *	1.9
Total, age adjusted ...	2,962	9.6	1.1	1,457	9.8	1.3	350	6.6 *	1.8	967	9.2	1.7
<b>Female</b>												
5-10 years .....	1,462	10.1	1.4	781	10.7	1.9	181	8.1 *	3.3	431	10.5	2.4
11-13 years .....	661	10.8	2.2	336	12.0	2.6	77	10.5 *	4.4	208	10.1 *	3.6
14-18 years .....	900	10.3	1.6	427	11.5	2.2	111	6.4 *	2.9	313	9.9	2.3
Total, age adjusted ...	3,023	10.3	0.7	1,544	11.3	1.1	369	8.0 *	1.8	952	10.2	1.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> High total cholesterol is identified as ≥ 200 mg/dL. Source: National Cholesterol Education Program, NIH (1991).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-75—Percent of school-age children with borderline-high total cholesterol<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	2,950	30.8	1.5	1,535	30.7	1.9	351	28.9	3.8	916	30.9	2.6
11-13 years .....	1,281	29.0	2.0	649	29.4	3.9	152	24.3	3.9	411	30.0	3.1
14-18 years .....	1,754	24.7	2.0	817	25.7	3.8	216	28.9	5.7	592	22.6	2.3
Total, age adjusted ...	5,985	28.3	1.2	3,001	28.6	2.2	719	27.9	2.8	1,919	27.8	1.6
<b>Male</b>												
5-10 years .....	1,488	31.2	2.1	754	30.0	3.0	170	31.6	7.2	485	32.3	3.7
11-13 years .....	620	30.8	2.4	313	27.9	5.7	75	25.9 *	7.8	203	33.8	4.2
14-18 years .....	854	21.6	2.5	390	28.2	4.8	105	19.3 *	6.9	279	18.3	3.5
Total, age adjusted ...	2,962	27.7	1.4	1,457	28.9	3.2	350	26.0	3.5	967	27.7	2.2
<b>Female</b>												
5-10 years .....	1,462	30.4	1.8	781	31.3	2.4	181	26.6	6.7	431	29.1	2.8
11-13 years .....	661	27.0	3.1	336	30.9	4.1	77	22.4 *	6.2	208	25.6	4.6
14-18 years .....	900	27.8	3.1	427	23.7	4.6	111	38.0	9.0	313	27.1	3.4
Total, age adjusted ...	3,023	28.8	1.7	1,544	28.5	2.1	369	29.8	5.0	952	27.7	2.2

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Borderline high total cholesterol is identified as 170-199 mg/dL. Source: National Cholesterol Education Program, NIH (1991).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-76—Percent of 12-18-year-old children with high LDL cholesterol<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
12-13 years .....	271	9.6 *	2.9	140	11.4 *	5.5	35	18.2 *	6.0	82	6.5 *	4.5
14-18 years .....	674	8.4	1.5	319	7.2 *	2.5	84	5.5 *	2.5	218	8.7 *	2.1
Total, age-adjusted ...	945	8.9	1.5	459	8.8	2.6	119	10.2 *	2.7	300	7.8 *	1.9
<b>Male</b>												
12-13 years .....	131	9.4 *	4.0	69	16.0 *	9.0	14	5.0 *	3.6	42	7.6 *	6.6
14-18 years .....	299	4.7 *	2.0	128	3.1 *	1.5	46	2.2 *	1.6	96	6.6 *	3.6
Total, age-adjusted ...	430	6.5 *	2.3	197	7.9 *	3.4	60	3.2 *	1.7	138	7.0 *	3.1
<b>Female</b>												
12-13 years .....	140	10.0 *	3.3	71	5.1 *	2.5	21	34.5 *	13.3	40	4.6 *	3.4
14-18 years .....	375	11.7	2.2	191	9.7 *	4.0	38	9.5 *	5.3	122	10.6 *	2.0
Total, age-adjusted ...	515	11.1	2.0	262	8.0 *	2.6	59	18.9 *	6.3	162	8.3 *	1.8

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> High LDL cholesterol is identified as ≥ 160 mg/dL. The cutoff used to define high LDL cholesterol levels includes both high and very high levels as defined by the NCEP. Source: National Cholesterol Education Program, NIH (2001).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-77—Percent of 12-18-year-old children with borderline-high LDL cholesterol<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
12-13 years .....	271	14.2 *	3.0	140	20.9 *	5.4	35	9.3 *	6.3	82	11.0 *	4.3
14-18 years .....	674	12.4	2.3	319	12.6	2.9	84	22.6 *	6.9	218	11.7 *	3.8
Total, age-adjusted ...	945	13.1	1.6	459	15.7	2.8	119	17.6 *	4.8	300	11.4 *	2.4
<b>Male</b>												
12-13 years .....	131	7.8 *	2.7	69	14.9 *	5.0	14	12.3 *	9.9	42	** 0.6 *	0.5
14-18 years .....	299	12.4 *	3.4	128	11.2 *	4.0	46	25.1 *	10.3	96	11.8 *	5.7
Total, age-adjusted ...	430	10.7	2.3	197	12.6 *	3.3	60	20.3 *	7.3	138	7.6 *	3.6
<b>Female</b>												
12-13 years .....	140	23.6 *	6.0	71	29.0 *	8.0	21	** 5.5 *	4.3	40	28.2 *	11.0
14-18 years .....	375	12.5	2.9	191	13.4 *	4.1	38	19.5 *	8.8	122	11.6 *	4.2
Total, age-adjusted ...	515	16.6	2.3	262	19.3	4.1	59	14.3 *	5.7	162	17.8 *	3.9

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Borderline high LDL cholesterol is identified as 110-129 mg/dL. Source: National Cholesterol Education Program, NIH (1991).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-78—Percent of school-age children with low HDL cholesterol<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	2,937	5.6	0.94	1,529	6.2	1.11	351	2.6 *	1.08	909	6.1	1.69
11-13 years .....	1,277	7.4	1.35	647	9.0	2.51	152	11.9 *	6.16	410	5.2 *	1.61
14-18 years .....	1,740	9.3	1.46	813	11.4	3.16	213	6.0 *	1.78	586	9.0	1.90
Total, age adjusted ...	5,954	7.3	0.71	2,989	8.6	1.28	716	5.8	1.37	1,905	6.9	1.11
<b>Male</b>												
5-10 years .....	1,483	5.3	0.96	751	5.6 *	1.39	170	0.8 *	0.56	483	6.1 *	1.65
11-13 years .....	616	7.1 *	2.02	311	10.0 *	4.39	75	11.8 *	6.44	201	4.7 *	1.84
14-18 years .....	845	11.4	2.21	386	13.2	4.95	105	6.2 *	3.58	274	12.2 *	3.28
Total, age adjusted ...	2,944	7.9	1.02	1,448	9.2	1.84	350	5.1 *	2.17	958	8.0	1.59
<b>Female</b>												
5-10 years .....	1,454	5.9	1.45	778	6.7	1.71	181	4.1 *	1.90	426	6.0 *	2.87
11-13 years .....	661	7.8	1.59	336	7.9 *	2.41	77	12.1 *	6.99	209	5.7 *	2.27
14-18 years .....	895	7.2	1.68	427	10.0 *	3.80	108	5.7 *	3.11	312	5.7 *	1.82
Total, age adjusted ...	3,010	6.8	0.85	1,541	8.1	1.59	366	6.4 *	1.18	947	5.9	1.41

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Low HDL cholesterol is identified as < 40 mg/dL. Source: National Cholesterol Education Program, NIH (2001).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.



**Table D-79—Percent of school-age children with high triglycerides<sup>1,2</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	0	—	—	0	—	—	0	—	—	0	—	—
11-13 years .....	293	11.3 *	3.48	146	5.1 *	3.53	38	13.2 *	7.79	93	15.0 *	5.91
14-18 years .....	711	7.7	1.78	342	9.2 *	3.11	90	3.2 *	2.51	224	8.3 *	3.20
Total, age adjusted ...	1,004	9.1	1.82	488	7.7 *	2.56	128	6.9 *	3.27	317	10.8 *	3.24
<b>Male</b>												
5-10 years .....	0	—	—	0	—	—	0	—	—	0	—	—
11-13 years .....	142	8.2 *	3.29	72	6.9 *	6.04	16	3.5 *	3.64	47	10.5 *	4.87
14-18 years .....	318	4.6 *	2.16	142	6.7 *	4.04	48	5.5 *	4.56	101	4.1 *	3.63
Total, age adjusted ...	460	5.9 *	1.69	214	6.8 *	3.50	64	4.8 *	3.03	148	6.5 *	2.87
<b>Female</b>												
5-10 years .....	0	—	—	0	—	—	0	—	—	0	—	—
11-13 years .....	151	15.8 *	6.07	74	2.6 *	1.35	22	25.3 *	19.69	46	21.8 *	10.29
14-18 years .....	393	10.6 *	3.23	200	10.8 *	4.67	42	0.4 *	0.37	123	12.3 *	5.37
Total, age adjusted ...	544	12.5	3.12	274	7.8 *	2.96	64	9.7 *	7.37	169	15.9 *	5.26

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> High triglycerides is identified as ≥ 200 mg/dL. The cutoff used to define high triglycerides includes both high and very high triglycerides as defined by the NCEP. Source: National Cholesterol Education Program, NIH (2001).

<sup>2</sup> Table includes persons who fasted at least 9 hours and were examined before noon.

— Data not available.

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-80—Frequency of vigorous physical activity per week among 8-16-year-old children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean times per week	Standard Error	Sample size	Mean times per week	Standard Error	Sample size	Mean times per week	Standard Error	Sample size	Mean times per week	Standard Error
<b>Both sexes</b>												
8-10 years .....	1,550	4.7	0.1	763	4.7	0.2	178	4.7	0.2	521	4.7	0.1
11-13 years .....	1,365	5.0	0.1	670	4.6	0.2	159	4.9	0.3	457	» 5.2	0.1
14-16 years .....	1,106	4.6	0.1	507	4.2	0.2	137	4.7	0.2	398	4.7	0.2
Total, age adjusted ...	4,021	4.7	0.1	1,940	4.5	0.1	474	4.8	0.2	1,376	» 4.9	0.1
<b>Male</b>												
8-10 years .....	801	4.9	0.1	389	4.9	0.2	88	5.2	0.4	273	4.8	0.2
11-13 years .....	655	5.4	0.2	320	5.0	0.3	82	5.2	0.3	220	5.7	0.2
14-16 years .....	531	5.3	0.2	252	5.2	0.3	66	5.2	0.3	176	5.5	0.3
Total, age adjusted ...	1,987	5.2	0.1	961	5.0	0.2	236	5.2	0.2	669	5.3	0.1
<b>Female</b>												
8-10 years .....	749	4.5	0.1	374	4.5	0.2	90	4.3	0.3	248	4.5	0.2
11-13 years .....	710	4.5	0.1	350	4.2	0.2	77	4.5	0.4	237	» 4.7	0.1
14-16 years .....	575	3.8	0.1	255	3.3	0.2	71	» 4.2	0.4	222	» 4.0	0.2
Total, age adjusted ...	2,034	4.2	0.1	979	4.0	0.1	238	4.3	0.2	707	» 4.4	0.1

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file; youth ages 8-16 only. The 'All Children' column includes children with missing income.

**Table D-81—Frequency of vigorous physical activity per week among healthy weight and overweight 8-16-year-old children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean times per week	Standard Error	Sample size	Mean times per week	Standard Error	Sample size	Mean times per week	Standard Error	Sample size	Mean times per week	Standard Error
Healthy weight children												
Both sexes												
8-10 years .....	1,100	4.6	0.1	553	4.6	0.2	126	4.8	0.2	364	4.5	0.2
11-13 years .....	913	4.9	0.1	444	4.6	0.2	115	4.8	0.2	304	» 5.1	0.1
14-16 years .....	785	4.6	0.1	336	4.2	0.2	106	4.8	0.3	294	4.8	0.2
Total, age adjusted ...	2,798	4.7	0.1	1,333	4.5	0.1	347	4.8	0.2	962	4.8	0.1
Male												
8-10 years .....	570	4.7	0.2	285	4.8	0.3	59	5.2	0.4	194	4.5	0.3
11-13 years .....	445	5.3	0.2	218	4.8	0.3	55	5.3	0.3	155	» 5.6	0.2
14-16 years .....	394	5.4	0.2	181	5.2	0.3	55	5.3	0.4	128	5.5	0.3
Total, age adjusted ...	1,409	5.1	0.1	684	5.0	0.2	169	5.3	0.2	477	5.2	0.2
Female												
8-10 years .....	530	4.5	0.1	268	4.5	0.3	67	4.5	0.4	170	4.5	0.2
11-13 years .....	468	4.4	0.1	226	4.2	0.3	60	4.1	0.3	149	4.5	0.2
14-16 years .....	391	3.9	0.1	155	3.2	0.2	51	4.1 *	0.5	166	» 4.1	0.2
Total, age adjusted ...	1,389	4.3	0.1	649	4.0	0.2	178	4.2	0.2	485	4.4	0.1
Children who are overweight or at risk of overweight												
Both sexes												
8-10 years .....	439	5.0	0.2	202	5.0	0.2	52	4.3 *	0.6	156	5.1	0.2
11-13 years .....	434	5.2	0.2	218	4.7	0.4	43	5.3 *	0.7	145	» 5.6	0.2
14-16 years .....	297	4.3	0.2	155	4.2	0.3	31	4.5 *	0.5	97	4.4	0.4
Total, age adjusted ...	1,170	4.8	0.1	575	4.6	0.2	126	4.7	0.3	398	5.1	0.2
Male												
8-10 years .....	227	5.5	0.2	101	5.2 *	0.4	29	5.2 *	0.9	79	5.8	0.2
11-13 years .....	200	5.6	0.3	97	5.4 *	0.5	27	4.9 *	0.6	61	6.0 *	0.3
14-16 years .....	130	5.1	0.3	65	5.0 *	0.5	11	4.6 *	0.5	47	5.4 *	0.6
Total, age adjusted ...	557	5.4	0.2	263	5.2	0.3	67	4.9 *	0.3	187	5.7	0.3
Female												
8-10 years .....	212	4.3	0.2	101	4.7 *	0.2	23	»» 3.2 *	0.4	77	4.4	0.3
11-13 years .....	234	4.8	0.3	121	4.0 *	0.4	16	» 6.2 *	0.9	84	» 5.3	0.2
14-16 years .....	167	3.5	0.3	90	3.5 *	0.4	20	4.4 *	0.6	50	3.2 *	0.4
Total, age adjusted ...	613	4.2	0.2	312	4.1	0.2	59	4.6 *	0.4	211	4.3	0.2

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file; youth ages 8-16 only. The 'All Children' column includes children with missing income.

**Table D-82—Percent of 8-16-year-old children with vigorous physical activity at least three times per week**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
8-10 years .....	1,550	77.8	1.6	763	79.8	2.1	178	77.8	4.2	521	76.7	3.0
11-13 years .....	1,365	84.7	1.3	670	78.4	3.0	159	87.0	3.8	457	87.8	1.9
14-16 years .....	1,106	76.6	2.4	507	72.4	4.2	137	78.7	3.6	398	78.1	3.5
Total, age adjusted ...	4,021	79.7	1.1	1,940	76.9	1.6	474	81.1	2.6	1,376	80.8	1.9
<b>Male</b>												
8-10 years .....	801	78.5	2.6	389	83.8	2.4	88	84.8 *	6.7	273	73.7	4.3
11-13 years .....	655	87.8	2.4	320	84.4	3.7	82	86.9 *	5.6	220	89.5	3.1
14-16 years .....	531	85.6	2.9	252	84.9	4.5	66	84.4 *	4.7	176	86.4	4.3
Total, age adjusted ...	1,987	83.9	2.0	961	84.4	2.4	236	85.4	3.1	669	83.1	2.8
<b>Female</b>												
8-10 years .....	749	77.2	2.0	374	75.5	3.9	90	72.8	5.5	248	80.1	3.2
11-13 years .....	710	81.4	2.5	350	72.5	4.6	77	87.2 *	4.6	237	85.8	2.7
14-16 years .....	575	67.3	3.1	255	59.8	5.7	71	72.6	6.2	222	70.4	4.0
Total, age adjusted ...	2,034	75.3	1.1	979	69.4	2.4	238	77.5	3.6	707	78.8	1.8

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file; youth ages 8-16 only. The 'All Children' column includes children with missing income.

**Table D-83—Percent of healthy weight and overweight 8-16-year-old children with vigorous physical activity at least three times per week**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
Healthy weight children												
Both sexes												
8-10 years .....	1,100	76.0	1.8	553	77.4	2.6	126	80.9	3.9	364	73.1	3.1
11-13 years .....	913	84.1	1.5	444	78.9	3.7	115	87.9	3.5	304	86.1	2.1
14-16 years .....	785	78.2	2.6	336	71.9	5.4	106	77.9	5.6	294	81.0	3.4
Total, age adjusted ...	2,798	79.4	1.2	1,333	76.1	2.2	347	82.2	2.8	962	79.9	1.8
Male												
8-10 years .....	570	74.6	3.2	285	80.7	3.2	59	89.2 *	5.1	194	67.0	5.0
11-13 years .....	445	87.4	2.7	218	84.5	3.8	55	89.5 *	4.1	155	88.1	3.7
14-16 years .....	394	87.2	3.2	181	85.1 *	5.6	55	84.2 *	7.6	128	89.4 *	4.6
Total, age adjusted ...	1,409	82.9	2.0	684	83.4	2.6	169	87.7	2.4	477	81.3	2.9
Female												
8-10 years .....	530	77.5	2.2	268	74.3	4.9	67	75.7	5.2	170	80.0	2.6
11-13 years .....	468	80.5	3.0	226	73.2	5.6	60	86.1 *	5.5	149	83.8	3.3
14-16 years .....	391	68.9	3.1	155	58.7	6.6	51	69.8	9.1	166	73.5	3.6
Total, age adjusted ...	1,389	75.7	1.3	649	68.8	3.0	178	77.2	4.5	485	79.1	1.7
Children who are overweight or at risk of overweight												
Both sexes												
8-10 years .....	439	83.0	3.6	202	88.4 *	3.1	52	65.7 *	11.9	156	85.8 *	5.0
11-13 years .....	434	86.5	2.8	218	77.4	5.6	43	84.5 *	11.4	145	94.6 *	2.6
14-16 years .....	297	71.0	4.4	155	71.6	6.1	31	80.8 *	8.7	97	66.4	8.3
Total, age adjusted ...	1,170	80.2	2.1	575	79.3	3.2	126	76.8	6.4	398	82.3	3.2
Male												
8-10 years .....	227	88.8 *	3.7	101	92.4 *	3.0	29	72.6 *	19.7	79	91.4 *	4.5
11-13 years .....	200	88.2 *	4.1	97	84.0 *	7.4	27	81.0 *	14.8	61	94.2 *	3.8
14-16 years .....	130	81.1 *	5.4	65	83.8 *	7.5	11	85.0 *	13.2	47	76.8 *	9.7
Total, age adjusted ...	557	86.1	3.4	263	86.8	4.8	67	79.4 *	8.1	187	87.5	4.3
Female												
8-10 years .....	212	75.9	5.5	101	82.2 *	5.6	23	57.3 *	16.8	77	79.6 *	8.5
11-13 years .....	234	84.6	3.8	121	71.1	8.3	16	91.5 *	5.7	84	95.1 *	1.9
14-16 years .....	167	60.3	6.9	90	58.6 *	9.3	20	78.0 *	8.7	50	53.9 *	13.1
Total, age adjusted ...	613	73.7	2.8	312	70.8	4.4	59	75.3 *	7.4	211	76.2	4.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file; youth ages 8-16 only. The 'All Children' column includes children with missing income.

**Table D-84—Percent of 8-16-year-old children participating in organized exercise program or sports team in past year**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
8-10 years .....	1,550	58.7	2.70	762	45.9	3.99	179	58.6	6.40	521	***66.9	3.72
11-13 years .....	1,367	69.7	1.81	671	58.2	2.91	159	66.5	5.82	457	***76.8	2.78
14-16 years .....	1,104	58.7	2.23	506	46.9	3.35	137	▷ 60.9	6.26	397	***65.0	3.61
Total, age adjusted ...	4,021	62.3	1.25	1,939	50.3	2.24	475	▷ 61.9	3.91	1,375	***69.5	1.82
<b>Male</b>												
8-10 years .....	796	66.7	2.87	383	58.5	4.76	89	65.1	6.76	273	72.4	4.78
11-13 years .....	658	74.0	2.52	322	64.7	4.95	82	74.6	5.85	220	77.9	4.29
14-16 years .....	531	61.1	3.28	252	54.2	5.13	66	68.6 *	7.25	176	64.3	5.62
Total, age adjusted ...	1,985	67.3	1.69	957	59.1	3.38	237	▷ 69.4	3.61	669	▷ 71.6	2.49
<b>Female</b>												
8-10 years .....	754	50.2	3.55	379	32.3	5.08	90	▷ 53.7	8.16	248	***60.8	4.80
11-13 years .....	709	64.9	2.83	349	51.8	3.73	77	56.0 *	9.39	237	***75.5	4.03
14-16 years .....	573	56.3	2.76	254	39.5	6.40	71	52.6 *	9.85	221	▷ 65.7	3.89
Total, age adjusted ...	2,036	57.0	1.46	982	41.0	2.53	238	54.1	5.80	706	***67.2	2.41

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by ▷ (.05 level), ▷▷ (.01 level), or ▷▷▷ (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file; youth ages 8-16 only. The 'All Children' column includes children with missing income.

**Table D-85—Percent of healthy weight and overweight 8-16-year-old children participating in organized exercise program or sports team in past year**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
Healthy weight children												
Both sexes												
8-10 years .....	1,098	58.4	2.9	551	46.2	4.8	126	57.7	7.5	364	***67.5	4.1
11-13 years .....	913	73.4	2.6	444	64.8	2.7	115	72.2	6.4	304	**78.3	3.7
14-16 years .....	784	64.8	2.5	335	57.2	4.2	106	60.8	7.0	294	*69.4	3.5
Total, age adjusted ...	2,795	65.4	1.5	1,330	55.9	2.4	347	63.5	4.2	962	***71.6	2.2
Male												
8-10 years .....	565	67.6	3.7	280	63.7	5.6	59	64.9 *	9.4	194	71.0	5.5
11-13 years .....	445	79.2	3.1	218	71.1	4.6	55	*85.4 *	4.2	155	81.2	5.1
14-16 years .....	394	65.8	3.8	181	66.6	6.0	55	67.2 *	8.8	128	66.4	6.1
Total, age adjusted ...	1,404	70.8	2.1	679	67.1	3.0	169	72.4	5.0	477	72.8	3.2
Female												
8-10 years .....	533	49.4	4.2	271	28.9	5.7	67	*53.1 *	10.5	170	***63.5	5.7
11-13 years .....	468	67.2	3.8	226	58.6	4.4	60	57.2 *	8.4	149	**75.0	5.0
14-16 years .....	390	63.6	3.3	154	47.8	8.0	51	52.7 *	12.3	166	*72.0	4.0
Total, age adjusted ...	1,391	59.9	2.0	651	44.8	3.1	178	54.3	6.2	485	***70.0	3.1
Children who are overweight or at risk of overweight												
Both sexes												
8-10 years .....	1,098	59.4	4.6	551	45.7	6.1	126	61.9 *	9.8	364	**64.9	5.7
11-13 years .....	913	59.9	4.2	444	45.9	6.5	115	50.4 *	12.3	304	***72.2	5.3
14-16 years .....	784	41.6	4.9	335	28.3	6.7	106	*61.0 *	13.6	294	47.7	7.6
Total, age adjusted ...	2,795	53.7	2.4	1,330	40.1	3.9	347	*57.8	7.2	962	***61.7	3.2
Male												
8-10 years .....	565	64.9	7.4	280	44.9 *	8.5	59	65.4 *	16.4	194	**76.2	8.1
11-13 years .....	445	61.2	7.0	218	52.7 *	11.2	55	49.7 *	13.5	155	67.6 *	9.6
14-16 years .....	394	49.8	7.3	181	37.2 *	10.6	55	73.7 *	16.8	128	57.2 *	11.8
Total, age adjusted ...	1,404	58.7	3.7	679	44.9	6.1	169	63.0 *	9.3	477	**67.1	5.1
Female												
8-10 years .....	533	52.5	6.3	271	47.0 *	8.6	67	56.9 *	16.8	170	52.4	8.9
11-13 years .....	468	58.5	4.9	226	39.5	6.8	60	51.9 *	21.6	149	***77.2	5.7
14-16 years .....	390	32.9	5.7	154	19.0 *	6.9	51	52.4 *	16.7	166	36.3 *	9.9
Total, age adjusted ...	1,391	48.1	3.4	651	35.4	4.7	178	53.8 *	10.6	485	**55.3	4.8

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file; youth ages 8-16 only. The 'All Children' column includes children with missing income.

**Table D-86—Mean hours of television watched by 5-16-year-old children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Std error	Sample size	Mean	Std error	Sample size	Mean	Std error	Sample size	Mean	Std error
<b>Both sexes</b>												
5-10 years .....	3,637	2.0	0.06	1,794	2.3	0.08	434	** 2.0	0.13	1,188	***1.9	0.08
11-13 years .....	1,493	2.2	0.07	720	2.5	0.09	172	2.2	0.17	506	** 2.1	0.09
14-16 years .....	1,238	2.0	0.06	556	2.1	0.12	149	1.9	0.15	449	2.0	0.10
Total, age adjusted ...	6,368	2.1	0.04	3,070	2.3	0.06	755	** 2.0	0.10	2,143	***2.0	0.05
<b>Male</b>												
5-10 years .....	1,848	2.2	0.08	881	2.3	0.09	213	2.1	0.17	634	* 2.1	0.10
11-13 years .....	713	2.2	0.07	341	2.4	0.14	89	2.5	0.22	240	2.2	0.10
14-16 years .....	573	2.1	0.09	262	2.1	0.15	71	2.0	0.22	196	2.2	0.15
Total, age adjusted ...	3,134	2.2	0.05	1,484	2.3	0.08	373	2.2	0.11	1,070	2.1	0.07
<b>Female</b>												
5-10 years .....	1,789	1.9	0.07	913	2.3	0.11	221	** 1.8	0.14	554	***1.6	0.11
11-13 years .....	780	2.2	0.11	379	2.6	0.13	83	* 2.0	0.25	266	***2.0	0.15
14-16 years .....	665	1.9	0.10	294	2.1	0.16	78	1.8	0.21	253	1.9	0.13
Total, age adjusted ...	3,234	2.0	0.05	1,586	2.3	0.09	382	***1.8	0.11	1,073	***1.8	0.08

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), \*\* (.01 level), or \*\*\* (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview file; ages 5-16 only. The 'All Children' column includes children with missing income.



**Table D-87—Percent of 5-16-year-old children who watch 2 hours or less of television daily**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Std error	Sample size	Percent	Std error	Sample size	Percent	Std error	Sample size	Percent	Std error
<b>Both sexes</b>												
5-10 years .....	3,637	66.2	1.9	1,794	57.1	2.9	434	» 71.7	4.1	1,188	»» 70.2	2.3
11-13 years .....	1,493	59.8	2.4	720	52.3	3.6	172	57.8	6.5	506	» 63.0	3.4
14-16 years .....	1,238	67.4	1.9	556	64.2	3.7	149	71.8	5.1	449	68.0	3.0
Total, age adjusted ...	6,368	64.9	1.4	3,070	57.7	2.4	755	» 68.3	3.0	2,143	»» 67.8	1.7
<b>Male</b>												
5-10 years .....	1,848	63.3	2.4	881	55.4	3.9	213	67.3	5.2	634	» 66.6	3.0
11-13 years .....	713	59.0	3.1	341	50.5	6.7	89	54.1	7.3	240	62.6	3.9
14-16 years .....	573	66.5	2.8	262	67.7	5.0	71	64.2	7.0	196	66.6	4.4
Total, age adjusted ...	3,134	63.0	2.0	1,484	57.2	3.9	373	63.2	3.4	1,070	» 65.6	2.2
<b>Female</b>												
5-10 years .....	1,789	69.4	2.0	913	58.7	3.6	221	» 75.7	4.7	554	»» 74.7	3.5
11-13 years .....	780	60.6	3.3	379	54.0	3.9	83	62.3	8.6	266	63.4	4.6
14-16 years .....	665	68.2	2.4	294	61.0	4.8	78	» 80.3 *	6.0	253	69.1	3.6
Total, age adjusted ...	3,234	66.9	1.5	1,586	58.1	2.7	382	»» 73.5	3.6	1,073	» 70.6	2.5

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview file; ages 5-16 only. The 'All Children' column includes children with missing income.

**Table D-88—Mean hours television watched by healthy weight and overweight 5-16-year-old children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Std error	Sample size	Mean	Std error	Sample size	Mean	Std error	Sample size	Mean	Std error
Healthy weight children												
Both sexes												
5-10 years .....	2,557	2.0	0.06	1,300	2.2	0.08	317	1.9	0.13	818	1.8	0.09
11-13 years .....	942	2.0	0.08	459	2.3	0.13	118	2.1	0.18	314	1.9	0.11
14-16 years .....	811	2.0	0.09	352	2.0	0.17	109	1.8	0.16	298	2.0	0.13
Total, age adjusted ...	4,310	2.0	0.04	2,111	2.2	0.07	544	2.0	0.10	1,430	1.8	0.06
Male												
5-10 years .....	1,288	2.1	0.08	641	2.3	0.09	152	2.2	0.18	434	2.0	0.12
11-13 years .....	455	2.1	0.10	224	2.1	0.19	56	2.4 *	0.23	159	2.0	0.12
14-16 years .....	404	2.2	0.12	186	2.1	0.17	56	1.8 *	0.24	130	2.3	0.20
Total, age adjusted ...	2,147	2.1	0.06	1,051	2.2	0.07	264	2.2	0.11	723	2.1	0.09
Female												
5-10 years .....	1,269	1.8	0.07	659	2.2	0.13	165	1.6	0.15	384	1.5	0.11
11-13 years .....	487	2.0	0.13	235	2.4	0.17	62	1.8	0.30	155	1.8	0.18
14-16 years .....	407	1.8	0.09	166	2.0	0.22	53	1.8 *	0.24	168	1.7	0.13
Total, age adjusted ...	2,163	1.8	0.05	1,060	2.2	0.10	280	1.7	0.14	707	1.6	0.08
Children who are overweight or at risk of overweight												
Both sexes												
5-10 years .....	864	2.2	0.10	427	2.4	0.15	99	2.1 *	0.29	278	2.2	0.14
11-13 years .....	453	2.6	0.14	227	2.8	0.15	46	2.7 *	0.40	147	2.5	0.19
14-16 years .....	300	2.2	0.16	158	2.3	0.24	32	2.2 *	0.46	96	2.3	0.21
Total, age adjusted ...	1,617	2.3	0.08	812	2.5	0.11	177	2.3	0.23	521	2.3	0.10
Male												
5-10 years .....	436	2.2	0.17	207	2.4	0.24	51	2.0 *	0.36	144	2.2	0.21
11-13 years .....	210	2.6	0.21	101	2.8 *	0.19	28	2.7 *	0.55	63	2.4	0.31
14-16 years .....	130	2.1	0.22	64	2.3 *	0.34	12	2.5 *	0.68	47	2.0 *	0.31
Total, age adjusted ...	776	2.3	0.13	372	2.5	0.19	91	2.3 *	0.31	254	2.2	0.15
Female												
5-10 years .....	428	2.2	0.11	220	2.4	0.14	48	2.3 *	0.34	134	2.1	0.21
11-13 years .....	243	2.7	0.18	126	2.8	0.23	18	2.5 *	0.22	84	2.7	0.25
14-16 years .....	170	2.4	0.23	94	2.2 *	0.28	20	2.1 *	0.46	49	2.8 *	0.31
Total, age adjusted ...	841	2.4	0.09	440	2.5	0.12	86	2.3 *	0.24	267	2.4	0.13

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview file contains television viewing questions. Sample for table is limited to children with height and weight measured during the MEC examination.

**Table D-89—Percent of healthy weight and overweight 5-16-year-old children watching 2 hours or less of television daily**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Std error	Sample size	Percent	Std error	Sample size	Percent	Std error	Sample size	Percent	Std error
Healthy weight children												
Both sexes												
5-10 years .....	2,557	69.6	2.0	1,300	59.8	3.0	317	72.7	4.7	818	74.8	2.8
11-13 years .....	942	65.0	3.0	459	60.5	4.6	118	60.3	6.5	314	67.7	3.9
14-16 years .....	811	69.3	2.6	352	67.6	5.4	109	76.8	6.3	298	68.6	3.7
Total, age adjusted ...	4,310	68.4	1.6	2,111	61.9	2.5	544	70.6	3.4	1,430	71.5	2.2
Male												
5-10 years .....	1,288	66.4	2.6	641	59.2	3.9	152	65.8	6.6	434	70.1	3.6
11-13 years .....	455	63.5	3.9	224	60.5	7.4	56	54.1 *	9.1	159	66.6	5.0
14-16 years .....	404	65.7	3.5	186	68.7	5.1	56	74.6 *	8.8	130	62.8	5.5
Total, age adjusted ...	2,147	65.5	2.3	1,051	61.9	3.6	264	65.1	4.2	723	67.4	2.9
Female												
5-10 years .....	1,269	73.1	2.2	659	60.2	4.1	165	78.8	5.2	384	80.8	3.2
11-13 years .....	487	66.5	3.8	235	60.4	5.1	62	67.0 *	8.3	155	69.0	5.0
14-16 years .....	407	73.0	3.0	166	66.5	7.4	53	79.7 *	8.6	168	73.8	4.2
Total, age adjusted ...	2,163	71.4	1.6	1,060	61.8	3.0	280	76.1	4.3	707	76.1	2.4
Children who are overweight or at risk of overweight												
Both sexes												
5-10 years .....	864	56.2	3.3	427	48.9	4.6	99	63.2	8.0	278	57.8	4.3
11-13 years .....	453	47.0	5.1	227	38.8	6.6	46	49.6 *	13.8	147	49.7	6.4
14-16 years .....	300	59.8	4.7	158	58.5	6.6	32	57.7 *	14.0	96	60.7	7.3
Total, age adjusted ...	1,617	54.8	2.6	812	48.8	3.7	177	58.5	7.0	521	56.5	3.5
Male												
5-10 years .....	436	57.1	5.2	207	47.3	7.3	51	67.5 *	9.2	144	59.0	6.4
11-13 years .....	210	48.9	7.1	101	33.7 *	11.1	28	51.6 *	13.5	63	55.2 *	9.4
14-16 years .....	130	63.5	6.9	64	64.9 *	10.6	12	27.8 *	18.8	47	71.4 *	8.8
Total, age adjusted ...	776	56.6	4.2	372	48.3	6.7	91	53.8	7.7	254	61.2	4.7
Female												
5-10 years .....	428	55.3	4.3	220	50.5	4.8	48	58.5 *	11.0	134	56.2	7.1
11-13 years .....	243	44.7	5.8	126	43.8	7.6	18	46.0 *	18.9	84	43.1	7.8
14-16 years .....	170	56.1	6.4	94	52.8 *	7.6	20	81.6 *	7.8	49	47.6 *	11.0
Total, age adjusted ...	841	52.9	3.2	440	49.4	4.3	86	61.1 *	8.4	267	50.9	4.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview file contains television viewing questions. Sample for table is limited to children with height and weight measured during the MEC examination.

**Table D-90—Percent of 12-18-year-old children consuming at least 12 alcoholic beverages in their lifetime**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
12-13 years .....	821	8.9	1.5	400	9.9	2.7	93	11.8 *	5.1	278	7.0 *	2.1
14-18 years .....	1,501	39.6	2.5	701	37.9	3.1	185	40.0	4.9	513	40.9	3.7
Total, age adjusted ...	2,322	28.1	1.8	1,101	27.4	2.4	278	29.4	3.8	791	28.2	2.7
<b>Male</b>												
12-13 years .....	390	8.7 *	2.0	195	8.5 *	3.1	48	17.5 *	7.7	127	5.1 *	2.4
14-18 years .....	718	43.6	4.2	334	43.1	4.5	87	48.7	8.0	238	43.8	6.5
Total, age adjusted ...	1,108	30.5	3.0	529	30.2	3.3	135	37.0	6.0	365	29.3	4.4
<b>Female</b>												
12-13 years .....	431	9.1	2.1	205	11.7 *	4.0	45	** 0.8 *	0.8	151	9.3 *	3.2
14-18 years .....	783	35.5	3.2	367	33.3	4.0	98	31.4	6.4	275	37.9	4.6
Total, age adjusted ...	1,214	25.6	2.3	572	25.2	2.8	143	20.0	4.0	426	27.2	3.5

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income.

**Table D-91—Percent of 12-18-year-old children consuming at least 12 alcoholic beverages in past year**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
12-13 years .....	821	1.4 *	0.6	400	1.2 *	0.6	93	0.4 *	0.4	278	1.7 *	1.1
14-18 years .....	1,501	21.8	2.0	701	19.3	2.7	185	14.6	3.8	513	24.6	3.1
Total, age adjusted ...	2,322	14.2	1.2	1,101	12.5	1.7	278	9.3	2.4	791	16.1	2.0
<b>Male</b>												
12-13 years .....	390	2.1 *	1.1	195	1.5 *	0.9	48	0.6 *	0.6	127	3.0 *	1.9
14-18 years .....	718	25.8	3.3	334	25.3	3.8	87	23.4 *	6.4	238	26.4	5.2
Total, age adjusted ...	1,108	17.0	2.1	529	16.4	2.4	135	14.8 *	4.0	365	17.6	3.4
<b>Female</b>												
12-13 years .....	431	0.4 *	0.2	205	0.8 *	0.6	45	0.0 *	0.0	151	0.2 *	0.1
14-18 years .....	783	17.7	2.1	367	13.9	3.0	98	6.1 *	3.5	275	22.8	3.3
Total, age adjusted ...	1,214	11.2	1.3	572	9.0	1.9	143	3.8 *	2.2	426	14.4	2.0

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income.

**Table D-92—Smoking behaviors among 14-18-year-old children<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Estimate	Standard error	Sample size	Estimate	Standard error	Sample size	Estimate	Standard error	Sample size	Estimate	Standard error
<b>Both sexes</b>												
Percent ever smoked <sup>2</sup> .....	1,513	13.0	1.6	705	14.4	2.6	187	11.4 *	3.5	517	12.8	2.2
Percent smoked cigarettes in past 5 days .....	1,475	15.8	1.6	692	18.6	3.1	181	13.3 *	4.1	502	15.2	2.1
Percent smoke pipes, cigars or chewed tobacco in past 5 days .....	1,501	2.2	0.6	700	1.9 *	0.9	185	0.4 *	0.4	514	2.9 *	1.0
<i>Among smokers</i>												
Mean number cigarettes smoked, past 5 days .....	192	32.9	3.6	94	33.8 *	7.6	21	32.0 *	8.0	65	29.9	3.9
Mean age became regular smoker .....	127	13.3	0.3	52	13.5 *	0.3	16	>> 11.9 *	0.5	53	13.4 *	0.5
Percent who quit .....	132	6.9 *	3.3	53	7.8 *	4.3	16	0.0 *	0.0	56	8.5 *	5.8
<b>Male</b>												
Percent ever smoked <sup>2</sup> .....	726	11.5	1.9	339	10.7	2.9	89	6.4 *	3.9	238	13.1	2.8
Percent smoked cigarettes in past 5 days .....	705	14.0	2.1	329	18.8	4.6	86	> 7.3 *	3.6	232	13.3	2.9
Percent smoke pipes, cigars or chewed tobacco in past 5 days .....	718	4.2	1.2	334	3.9 *	1.9	87	0.7 *	0.7	238	5.8 *	2.1
<i>Among smokers</i>												
Mean number cigarettes smoked, past 5 days .....	103	40.2	6.3	56	31.6 *	10.3	11	35.6 *	11.6	29	40.8 *	6.7
Mean age became regular smoker .....	66	13.6	0.6	31	14.1 *	0.4	6	>> 12.9 *	0.3	25	13.1 *	0.9
Percent who quit .....	69	8.1 *	5.1	31	1.0 *	1.0	6	0.0 *	0.0	27	13.1 *	8.5
<b>Female</b>												
Percent ever smoked <sup>2</sup> .....	787	14.4	2.5	366	17.6	3.5	98	16.3 *	6.3	279	12.4	3.3
Percent smoked cigarettes in past 5 days .....	770	17.6	2.4	363	18.4	3.1	95	19.3 *	7.4	270	17.1	3.4
Percent smoke pipes, cigars or chewed tobacco in past 5 days .....	783	0.1 *	>0	366	0.2 *	0.1	98	0.0	0.0	276	0.0	0.0
<i>Among smokers</i>												
Mean number cigarettes smoked, past 5 days .....	89	27.1	4.2	38	35.8 *	10.6	10	30.7 *	10.2	36	21.6 *	3.7
Mean age became regular smoker .....	61	13.1	0.3	21	13.1 *	0.5	10	>> 11.6 *	0.6	28	13.8 *	0.2
Percent who quit .....	63	5.9 *	3.1	22	11.5 *	6.8	10	0.0 *	0.0	29	3.6 *	3.5

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Children under age 14 are not shown because estimates of smoking prevalence are very low and statistically unreliable. Prevalence of ever smoking among children age 8-10 is 0%; prevalence of ever smoking among children age 11-13 is 1.4%.

<sup>2</sup> Persons are identified as "ever smoking" if they report smoking at least 100 cigarettes during their entire life.

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Source: NHANES-III, 1988-94: Adult Interview file and Examination file. Sample for table contains persons completing an MEC exam. The 'All Children' column includes children with missing income.

**Table D-93—Percent of nonsmoking school-age children exposed to second hand smoke at home<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,401	40.0	2.2	1,725	50.1	4.0	411	47.1	4.3	1,080	***31.6	2.4
11-13 years .....	1,332	36.8	2.5	651	46.3	4.2	157	41.4	6.2	446	**29.8	3.1
14-18 years .....	1,266	36.8	2.4	591	45.2	4.1	160	36.2	5.4	430	*31.9	3.7
Total, age adjusted ...	5,999	38.2	1.6	2,967	47.6	3.1	728	42.0	3.3	1,956	***31.4	2.1
<b>Male</b>												
5-10 years .....	1,709	38.2	2.3	846	49.0	4.3	198	50.5	3.9	568	**29.0	3.4
11-13 years .....	640	32.6	3.3	312	42.9	6.7	80	39.6 *	8.0	214	**24.1	4.4
14-18 years .....	587	37.6	3.5	267	43.0	5.2	75	40.0 *	7.3	196	34.2	5.6
Total, age adjusted ...	2,936	36.8	2.0	1,425	45.6	4.1	353	44.5	3.6	978	**29.8	2.6
<b>Female</b>												
5-10 years .....	1,692	41.9	2.9	879	51.2	5.0	213	44.1	6.9	512	**34.9	3.4
11-13 years .....	692	41.3	3.6	339	49.7	5.3	77	43.5 *	8.3	232	36.0	5.5
14-18 years .....	679	36.0	3.7	324	47.0	4.9	85	31.7 *	7.8	234	*29.7	5.6
Total, age adjusted ...	3,063	39.7	2.1	1,542	49.4	3.2	375	39.6	4.8	978	***33.3	2.9

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Children under age 8 are identified as nonsmokers. Persons age 8 and older are identified as nonsmokers if they answered no to all four types of nicotine exposure in past 5 days: cigarettes, cigars or pipes, chewing tobacco or snuff, and nicotine gum.

Source: NHANES-III, 1988-94: Examination sample. Smokers are identified from the MEC file; exposure is determined from the adult and youth interview files. Total includes persons with missing food stamp participation or income.

**Table D-94—Mean number cigarettes smoked per day in households where nonsmoking school-age children reside with smokers<sup>1,2</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean # Cigarettes	Standard Error	Sample size	Mean # Cigarettes	Standard Error	Sample size	Mean # Cigarettes	Standard Error	Sample size	Mean # Cigarettes	Standard Error
<b>Both sexes</b>												
5-10 years .....	1,327	17.0	0.9	765	19.9	1.2	159	16.3	1.6	342	***14.6	1.2
11-13 years .....	508	17.1	1.2	289	20.3	1.7	56	21.1 *	4.6	132	** 13.6	1.2
14-18 years .....	490	15.8	1.2	250	16.5	1.9	61	13.3 *	1.4	142	16.3	1.7
Total, age adjusted ...	2,325	16.6	0.8	1,304	18.8	1.2	276	16.3	1.4	616	***15.0	1.0
<b>Male</b>												
5-10 years .....	638	17.0	1.0	358	19.2	1.3	79	16.2 *	1.5	166	15.5	1.5
11-13 years .....	232	19.5	1.5	131	23.1	2.8	32	20.7 *	4.7	56	16.5 *	1.7
14-18 years .....	233	16.5	1.3	113	21.6	2.1	33	** 14.1 *	1.9	67	** 14.6	1.6
Total, age adjusted ...	1,103	17.4	0.7	602	20.9	1.1	144	16.4	1.5	289	***15.4	1.0
<b>Female</b>												
5-10 years .....	689	17.0	1.0	407	20.5	1.6	80	16.4 *	2.2	176	***13.6	1.3
11-13 years .....	276	15.0	1.4	158	17.9	2.4	24	21.5 *	5.0	76	11.5	1.5
14-18 years .....	257	15.0	2.0	137	12.6	2.2	28	12.2 *	1.3	75	18.2	3.0
Total, age adjusted ...	1,222	15.9	1.1	702	17.2	1.5	132	16.0	1.3	327	14.8	1.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Children under age 8 are identified as nonsmokers. Persons age 8 and older are identified as nonsmokers if they answered no to all four types of nicotine exposure in past 5 days: cigarettes, cigars or pipes, chewing tobacco or snuff, and nicotine gum.

<sup>2</sup> Persons are identified as smokers if they are over age 7 and reported smoking cigarettes in the past 5 days.

Source: NHANES-III, 1988-94: Examination sample. Smokers are identified from the MEC file; exposure is determined from the adult and youth interview files. Total includes persons with missing food stamp participation or income.



**Table D-95—Percent of nonsmoking school-age children with high serum cotinine levels** <sup>1,2</sup>

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	2,613	67.4	2.3	1,356	80.5	2.9	302	76.8	3.7	820	>>>56.3	3.6
11-13 years .....	1,173	65.0	2.4	592	73.0	3.6	136	> 83.8	3.4	384	>>55.7	3.2
14-18 years .....	1,146	69.0	2.9	539	78.4	3.7	141	> 61.1	6.7	387	>> 63.7	3.7
Total, age adjusted ...	4,932	67.5	1.8	2,487	78.2	2.6	579	72.7	3.7	1,591	>>>58.8	2.4
<b>Male</b>												
5-10 years .....	1,327	66.0	3.0	669	81.2	3.8	145	77.2	5.4	441	>>>54.3	4.5
11-13 years .....	569	64.9	2.6	285	72.9	5.0	67	86.3 *	5.3	190	>> 55.9	4.1
14-18 years .....	525	68.2	3.7	236	79.4	5.4	65	63.8 *	11.6	175	>> 60.9	4.4
Total, age adjusted ...	2,421	66.6	2.3	1,190	78.8	3.3	277	74.4	5.2	806	>>>57.0	3.0
<b>Female</b>												
5-10 years .....	1,286	68.9	2.6	687	79.9	3.9	157	76.4	5.3	379	>>>58.8	4.0
11-13 years .....	604	65.2	4.4	307	73.2	6.1	69	80.9 *	4.7	194	> 55.6	5.9
14-18 years .....	621	69.8	3.1	303	77.6	4.2	76	> 58.1	7.5	212	66.6	5.0
Total, age adjusted ...	2,511	68.4	2.0	1,297	77.7	2.8	302	70.8	4.4	785	>>>60.8	2.9

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Children under age 8 are identified as nonsmokers. Persons age 8 and older are identified as nonsmokers if they answered no to all four types of nicotine exposure in past 5 days: cigarettes, cigars or pipes, chewing tobacco or snuff, and nicotine gum.

<sup>2</sup> High serum cotinine level is defined as > 0.10 ng/dL. Source: *Healthy People 2010* (CDC, 2000).

Source: NHANES-III, 1988-94: Examination sample. Smokers are identified from the MEC file; exposure is determined from the adult and youth interview files. Total includes persons with missing food stamp participation or income.

**Table D-96—Percent of school-age children with caregiver- or self-reported general health status of very good or excellent**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,670	76.0	1.6	1,817	63.7	2.7	436	>> 75.0	3.5	1,194	>>> 84.7	1.8
11-13 years .....	1,503	77.6	1.9	724	60.5	4.3	172	68.4	4.3	510	>>> 88.4	1.7
14-18 years .....	1,650	67.8	2.0	750	47.0	3.7	198	>>> 68.9	4.6	579	>>> 80.0	2.2
Total, age adjusted ...	6,823	73.4	1.3	3,291	57.1	2.2	806	>>> 71.4	2.3	2,283	>>> 83.8	1.2
<b>Male</b>												
5-10 years .....	1,867	76.9	1.6	896	64.2	2.8	213	66.3	4.6	637	>>> 87.0	1.6
11-13 years .....	718	76.9	2.6	344	57.1	6.6	89	59.3	7.1	241	>>> 89.8	2.5
14-18 years .....	784	71.0	3.0	356	50.2	4.5	94	>> 75.8	7.4	265	>>> 81.6	3.6
Total, age adjusted ...	3,369	74.8	1.6	1,596	57.8	2.9	396	> 68.2	3.8	1,143	>>> 85.7	1.5
<b>Female</b>												
5-10 years .....	1,803	74.9	2.0	921	63.2	3.4	223	>>> 82.8	3.4	557	>>> 81.6	2.9
11-13 years .....	785	78.2	2.0	380	63.7	4.3	83	> 79.3 *	4.6	269	>>> 86.9	2.6
14-18 years .....	866	64.7	2.6	394	44.2	4.3	104	> 61.9	8.0	314	>>> 78.5	3.0
Total, age adjusted ...	3,454	72.0	1.2	1,695	56.6	2.2	410	>>> 74.6	2.9	1,140	>>> 81.6	1.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-97—Percent of school-age children with caregiver- or self-reported general health status of fair or poor**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,670	4.1	0.6	1,817	8.0	1.2	436	>> 3.5 *	1.2	1,194	>>> 1.5	0.5
11-13 years .....	1,503	4.1	0.6	724	7.9	1.1	172	4.4 *	2.1	510	>>> 1.9 *	0.6
14-18 years .....	1,650	6.8	1.0	750	13.2	2.2	198	> 5.9 *	2.7	579	>>> 3.2	0.8
Total, age adjusted ...	6,823	5.0	0.5	3,291	9.8	1.0	806	>>> 4.5	1.1	2,283	>>> 2.2	0.3
<b>Male</b>												
5-10 years .....	1,867	3.6	0.5	896	6.7	1.0	213	5.5 *	2.4	637	>>> 1.2 *	0.4
11-13 years .....	718	4.2	0.7	344	9.1	1.9	89	5.2 *	3.2	241	>>> 1.6 *	1.0
14-18 years .....	784	5.0	1.0	356	13.5	3.0	94	>>> 1.8 *	0.8	265	>>> 1.7 *	1.0
Total, age adjusted ...	3,369	4.2	0.5	1,596	9.6	1.2	396	>>> 4.1 *	1.3	1,143	>>> 1.5	0.4
<b>Female</b>												
5-10 years .....	1,803	4.7	1.0	921	9.2	1.9	223	>>> 1.7 *	0.7	557	>>> 2.0 *	1.1
11-13 years .....	785	4.0	0.8	380	6.9	1.6	83	3.5 *	2.7	269	> 2.1 *	1.1
14-18 years .....	866	8.5	1.3	394	13.0	2.2	104	10.1 *	5.2	314	>>> 4.6 *	1.1
Total, age adjusted ...	3,454	5.9	0.7	1,695	10.0	1.2	410	> 5.1	1.9	1,140	>>> 2.9	0.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-98—Percent of school-age children with physician-reported general health status of very good or excellent**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,370	87.3	2.8	1,699	87.6	2.3	408	82.6	5.4	1,076	88.6	3.1
11-13 years .....	1,348	88.5 *	3.2	663	88.5	2.2	157	78.8 *	9.3	449	90.9 *	3.2
14-18 years .....	1,472	86.0	4.0	682	83.9	3.2	184	85.1 *	7.3	508	88.0 *	4.3
Total, age adjusted ...	6,190	87.1	3.1	3,044	86.5	2.2	749	82.7	6.6	2,033	88.8	3.2
<b>Male</b>												
5-10 years .....	1,694	87.7	2.8	833	88.7	2.1	199	80.8 *	5.6	564	88.4 *	3.6
11-13 years .....	642	88.5 *	3.4	316	88.9 *	3.0	78	80.5 *	8.8	215	90.7 *	3.7
14-18 years .....	708	85.4 *	4.4	328	84.8 *	4.4	88	87.4 *	8.4	235	86.4 *	4.8
Total, age adjusted ...	3,044	87.0	3.2	1,477	87.4	2.3	365	83.1	6.5	1,014	88.2	3.5
<b>Female</b>												
5-10 years .....	1,676	87.0	3.1	866	86.6	3.0	209	84.3 *	6.2	512	88.8 *	3.0
11-13 years .....	706	88.6 *	3.3	347	88.0 *	2.3	79	76.8 *	11.2	234	91.0 *	3.3
14-18 years .....	764	86.6 *	3.7	354	83.0 *	3.0	96	82.9 *	7.2	273	89.5 *	4.4
Total, age adjusted ...	3,146	87.2	3.1	1,567	85.6	2.4	384	82.2	6.9	1,019	89.5	3.2

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income.

**Table D-99—Percent of school-age children with physician-reported general health status of fair or poor**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,370	1.2	0.4	1,699	1.5	0.7	408	0.3 *	0.2	1,076	1.2 *	0.5
11-13 years .....	1,348	0.8 *	0.3	663	0.6 *	0.3	157	1.4 *	1.4	449	0.4 *	0.2
14-18 years .....	1,472	1.6 *	0.7	682	1.2 *	0.5	184	1.6 *	1.2	508	1.4 *	1.2
Total, age adjusted ...	6,190	1.2	0.4	3,044	1.2	0.4	749	1.0 *	0.5	2,033	1.1	0.6
<b>Male</b>												
5-10 years .....	1,694	0.9 *	0.4	833	1.4 *	0.8	199	0.7 *	0.5	564	0.6 *	0.5
11-13 years .....	642	0.9 *	0.5	316	0.9 *	0.6	78	0.0	0.0	215	0.1 *	0.1
14-18 years .....	708	2.3 *	1.4	328	0.6 *	0.3	88	2.7 *	2.5	235	2.4 *	2.3
Total, age adjusted ...	3,044	1.4	0.6	1,477	1.0 *	0.4	365	1.2 *	0.9	1,014	1.2 *	0.9
<b>Female</b>												
5-10 years .....	1,676	1.4 *	0.5	866	1.6 *	0.7	209	0.0	0.0	512	1.8 *	0.9
11-13 years .....	706	0.7 *	0.4	347	0.2 *	0.2	79	3.1 *	3.0	234	0.6 *	0.4
14-18 years .....	764	0.9 *	0.4	354	1.8 *	0.9	96	0.5 *	0.5	273	0.4 *	0.4
Total, age adjusted ...	3,146	1.1	0.3	1,567	1.4 *	0.4	384	0.8 *	0.7	1,019	1.1 *	0.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income.

**Table D-100—Birth characteristics of 5-10-year-old children**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Estimate	Standard error	Sample size	Estimate	Standard error	Sample size	Estimate	Standard error	Sample size	Estimate	Standard error
Both sexes												
Maternal characteristics												
Mean age of mother at birth .....	3,616	25.6	0.2	1,794	23.9	0.3	426	23.9	0.4	1,175	***27.1	0.3
Percent of children born to adolescent mothers .....	3,616	13.7	1.2	1,794	23.1	2.5	426	19.9	3.5	1,175	***6.3	1.3
Percent of children born to mothers over age 35 .....	3,616	4.4	0.7	1,794	3.4	0.7	426	2.3 *	1.0	1,175	5.5	1.2
Percent of mothers who smoked during pregnancy ...	3,616	23.8	1.5	1,794	27.8	2.2	428	27.5	4.2	1,171	20.9	1.8
Birth characteristics												
Mean birth weight .....	3,346	3,380	22	1,631	3,214	37	401	** 3,368	50	1,129	***3,479	23
Percent of children born low birth weight .....	3,481	6.8	0.8	1,702	11.1	1.5	418	6.5	2.0	1,162	***4.1	0.7
Percent of children born very low birth weight .....	3,346	1.5	0.4	1,631	3.0	1.0	401	1.9 *	1.1	1,129	0.4 *	0.3
Percent of children receiving neonatal intensive care	3,654	11.4	1.1	1,809	14.6	1.6	432	11.8	2.7	1,189	9.7	1.6
Male												
Maternal characteristics												
Mean age of mother at birth .....	1,838	25.8	0.2	886	24.0	0.3	206	23.8	0.5	625	***27.1	0.3
Percent of children born to adolescent mothers .....	1,838	13.1	1.3	886	23.5	2.7	206	19.3	4.9	625	***6.0	1.4
Percent of children born to mothers over age 35 .....	1,838	4.7	0.9	886	4.7	1.2	206	** 0.9 *	0.7	625	5.5	1.5
Percent of mothers who smoked during pregnancy ...	1,841	24.8	2.1	884	29.1	2.8	207	37.2	5.9	628	21.1	2.9
Birth characteristics												
Mean birth weight .....	1,710	3,439	23	805	3,278	48	194	3,360	79	602	***3,530	24
Percent of children born low birth weight .....	1,777	6.5	0.9	840	10.3	1.7	202	9.8 *	3.3	620	** 4.1	1.1
Percent of children born very low birth weight .....	1,710	0.9 *	0.4	805	2.1 *	1.0	194	2.1 *	1.2	602	0.1 *	>0
Percent of children receiving neonatal intensive care	1,858	12.8	1.8	893	14.1	2.6	210	13.9 *	4.5	633	12.3	2.6
Female												
Maternal characteristics												
Mean age of mother at birth .....	1,778	25.5	0.2	908	23.8	0.4	220	24.0	0.5	550	***27.1	0.3
Percent of children born to adolescent mothers .....	1,778	14.4	1.4	908	22.7	3.1	220	20.3	4.5	550	***6.6	1.6
Percent of children born to mothers over age 35 .....	1,778	4.1	0.9	908	2.2 *	0.6	220	3.5 *	1.8	550	5.5	1.6
Percent of mothers who smoked during pregnancy ...	1,775	22.6	1.9	910	26.7	3.3	221	18.7	5.4	543	20.6	2.2
Birth characteristics												
Mean birth weight .....	1,636	3,316	33	826	3,156	50	207	** 3,375	68	527	***3,413	42
Percent of children born low birth weight .....	1,704	7.0	1.0	862	11.9	2.2	216	***3.5 *	1.5	542	** 4.2	1.2
Percent of children born very low birth weight .....	1,636	2.1	0.7	826	3.8	1.7	207	1.8 *	1.3	527	0.8 *	0.6
Percent of children receiving neonatal intensive care	1,796	10.0	1.0	916	15.0	2.4	222	9.8 *	2.7	556	** 6.4	1.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
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Source: NHANES-III, 1988-94: Youth interview file. The 'All Children' column includes children with missing income.

**Table D-101—Percent of 5-16-year-old children with any hospital stays since birth**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,657	26.0	1.2	1,809	29.0	2.3	435	27.0	3.5	1,190	24.6	2.1
11-13 years .....	1,500	30.2	1.7	724	38.4	3.5	172	28.4	5.6	507	» 26.3	1.9
14-16 years .....	1,244	36.4	1.9	559	34.9	3.4	148	30.2	4.6	454	37.1	3.0
Total, age adjusted ...	6,401	30.6	1.1	3,092	33.1	1.9	755	28.4	3.0	2,151	29.4	1.7
<b>Male</b>												
5-10 years .....	1,858	28.2	1.4	891	32.0	2.6	212	32.8	5.1	634	26.2	2.2
11-13 years .....	716	33.9	2.9	344	47.0	5.3	89	29.6 *	9.9	239	» 28.1	3.2
14-16 years .....	576	39.2	3.1	264	40.6	5.1	71	28.8 *	6.8	197	38.2	5.1
Total, age adjusted ...	3,150	33.3	1.4	1,499	38.2	2.7	372	30.7	4.1	1,070	» 30.9	2.2
<b>Female</b>												
5-10 years .....	1,799	23.6	1.9	918	26.3	3.0	223	21.7	4.6	556	22.6	3.3
11-13 years .....	784	26.3	2.4	380	30.4	4.2	83	26.9	6.6	268	24.3	3.1
14-16 years .....	668	33.8	2.2	295	29.8	4.4	77	31.8	7.2	257	36.2	3.2
Total, age adjusted ...	3,251	27.8	1.4	1,593	28.4	2.4	383	26.4	3.9	1,081	27.8	2.1

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview file. The 'All Children' column includes children with missing income.

**Table D-102—Percent of 5-16-year-old children with accident, injury, or poisoning requiring medical attention in past 12 months**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,671	14.7	1.5	1,817	9.5	1.3	436	15.3	3.3	1,194	***17.9	2.2
11-13 years .....	1,502	13.8	1.5	724	11.4	2.9	172	12.8	4.1	509	15.4	2.6
14-16 years .....	1,249	17.0	1.8	560	10.6	2.1	149	15.6	4.4	456	**21.8	3.0
Total, age adjusted ...	6,422	15.3	1.0	3,101	10.3	1.3	757	14.9	2.4	2,159	***18.8	1.5
<b>Male</b>												
5-10 years .....	1,868	16.1	1.8	896	12.0	2.2	213	17.6	4.4	637	17.7	2.6
11-13 years .....	718	15.5	2.3	344	17.0	5.4	89	15.9 *	4.9	241	15.1	3.3
14-16 years .....	579	20.8	2.5	265	11.4	3.0	71	20.2 *	6.8	199	**28.2	4.4
Total, age adjusted ...	3,165	17.6	1.4	1,505	12.9	1.9	373	18.2	3.3	1,077	***20.9	2.1
<b>Female</b>												
5-10 years .....	1,803	13.1	1.8	921	7.1	1.6	223	13.2	3.8	557	**18.1	3.0
11-13 years .....	784	12.1	2.0	380	6.1 *	2.1	83	9.1 *	6.1	268	15.8	3.5
14-16 years .....	670	13.4	2.0	295	9.9	2.9	78	10.6 *	5.1	257	16.2	3.2
Total, age adjusted ...	3,257	13.0	1.2	1,596	7.9	1.3	384	11.4	2.6	1,082	***16.9	2.0

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview file. The 'All Children' column includes children with missing income.



**Table D-103—Percent of 5-16-year-old children ever diagnosed by doctor to have asthma**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,671	10.7	1.2	1,817	10.2	1.6	436	10.5	3.0	1,194	11.3	1.5
11-13 years .....	1,502	11.2	1.3	723	12.8	2.5	172	8.4 *	2.8	510	11.0	1.6
14-16 years .....	1,249	12.2	1.5	560	11.6	2.0	149	9.3 *	3.3	456	14.4	2.4
Total, age adjusted ...	6,422	11.4	0.9	3,100	11.2	1.2	757	9.6	1.8	2,160	12.3	1.2
<b>Male</b>												
5-10 years .....	1,868	12.0	1.1	896	10.2	2.1	213	12.9	3.9	637	12.8	1.3
11-13 years .....	717	14.0	2.3	343	16.3	3.5	89	9.6 *	3.9	241	14.6	3.3
14-16 years .....	579	13.0	2.5	265	11.8	3.5	71	12.4 *	5.9	199	15.3	3.9
Total, age adjusted ...	3,164	12.7	1.2	1,504	12.1	1.8	373	12.0	2.5	1,077	14.1	1.7
<b>Female</b>												
5-10 years .....	1,803	9.3	1.9	921	10.2	2.4	223	8.3	4.2	557	9.4	2.7
11-13 years .....	785	8.4	2.3	380	9.4	3.3	83	7.0 *	3.3	269	7.2	2.3
14-16 years .....	670	11.5	1.9	295	11.4	3.1	78	5.9 *	3.6	257	13.5	3.0
Total, age adjusted ...	3,258	9.9	1.2	1,596	10.5	1.8	384	7.1	2.0	1,083	10.4	1.7

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview file. The 'All Children' column includes children with missing income.

**Table D-104—Percent of 5-16-year-old children ever diagnosed by doctor to have chronic bronchitis**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,671	3.9	0.6	1,817	4.6	0.9	436	4.7 *	2.5	1,194	3.3	0.9
11-13 years .....	1,503	4.0	0.9	724	3.4	1.0	172	2.7 *	1.8	510	4.6	1.4
14-16 years .....	1,249	6.2	1.4	560	6.6	1.9	149	10.4 *	4.6	456	5.0	1.6
Total, age adjusted ...	6,423	4.7	0.7	3,101	5.0	0.7	757	6.3	1.9	2,160	4.2	1.0
<b>Male</b>												
5-10 years .....	1,868	3.3	0.8	896	3.9	0.8	213	1.7 *	0.8	637	3.4 *	1.4
11-13 years .....	718	4.3	1.3	344	2.6 *	0.7	89	4.2 *	3.2	241	5.6 *	2.0
14-16 years .....	579	6.8	1.7	265	5.9 *	3.2	71	18.0 *	7.5	199	4.8 *	2.0
Total, age adjusted ...	3,165	4.8	0.7	1,505	4.3	1.2	373	8.0	2.7	1,077	4.4	1.0
<b>Female</b>												
5-10 years .....	1,803	4.5	0.9	921	5.2	1.5	223	7.3 *	4.6	557	3.3 *	0.9
11-13 years .....	785	3.8	1.3	380	4.0 *	1.6	83	1.0 *	0.7	269	3.6 *	2.1
14-16 years .....	670	5.6	1.9	295	7.3	2.4	78	2.1 *	1.2	257	5.2 *	2.3
Total, age adjusted ...	3,258	4.7	1.0	1,596	5.7	1.0	384	4.1 *	2.0	1,083	4.0	1.3

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview file. The 'All Children' column includes children with missing income.

**Table D-105—Percent of 5-16-year-old children ever diagnosed by doctor to have hay fever**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,671	6.0	0.8	1,817	3.2	0.8	436	5.7 *	2.4	1,194	» 7.7	1.3
11-13 years .....	1,503	8.4	1.3	724	8.5	2.6	172	4.1 *	1.8	510	9.3	1.8
14-16 years .....	1,249	12.4	1.6	560	7.4	2.0	149	13.2 *	6.5	456	»» 15.8	2.1
Total, age adjusted ...	6,423	8.8	0.8	3,101	5.8	1.1	757	8.0	3.0	2,160	»» 10.9	1.0
<b>Male</b>												
5-10 years .....	1,868	5.5	0.9	896	3.3 *	1.2	213	5.6 *	2.7	637	6.3	1.2
11-13 years .....	718	12.0	2.5	344	15.0	4.8	89	6.7 *	3.3	241	11.7	3.3
14-16 years .....	579	12.5	2.5	265	3.0 *	1.0	71	20.0 *	10.8	199	»» 17.2	3.3
Total, age adjusted ...	3,165	9.4	1.2	1,505	5.7	1.2	373	11.0	5.0	1,077	» 11.3	1.4
<b>Female</b>												
5-10 years .....	1,803	6.6	1.1	921	3.1 *	1.1	223	5.8 *	2.8	557	» 9.5	2.2
11-13 years .....	785	4.6	1.3	380	2.3 *	0.8	83	0.9 *	0.7	269	6.8	2.3
14-16 years .....	670	12.2	2.0	295	11.4	3.8	78	5.6 *	4.5	257	14.4	2.7
Total, age adjusted ...	3,258	8.2	0.9	1,596	5.9	1.6	384	4.7 *	1.8	1,083	» 10.7	1.4

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview file. The 'All Children' column includes children with missing income.

**Table D-106—Percent of 5-16-year-old children tested for lead poisoning**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,568	9.1	1.3	1,771	15.1	1.9	426	» 8.4	2.6	1,153	»» 5.5	0.9
11-13 years .....	1,466	8.2	1.7	715	15.6	3.5	167	» 6.9 *	2.1	492	» 4.9 *	1.8
14-16 years .....	1,216	7.8	1.3	556	12.2	2.9	144	11.0 *	3.6	438	» 4.6 *	1.2
Total, age adjusted ...	6,250	8.4	1.1	3,042	14.2	1.8	737	» 9.0	2.1	2,083	»» 5.1	0.9
<b>Male</b>												
5-10 years .....	1,810	8.4	1.4	871	14.4	2.2	208	» 7.9 *	2.4	614	»» 5.4	1.0
11-13 years .....	702	8.7	2.4	340	19.0	5.7	88	» 6.2 *	2.0	231	» 4.6 *	2.4
14-16 years .....	558	8.6 *	1.5	263	14.9 *	3.5	68	10.3 *	5.8	188	» 4.6 *	1.7
Total, age adjusted ...	3,070	8.5	1.3	1,474	15.5	2.6	364	8.4	2.6	1,033	»» 4.9	1.1
<b>Female</b>												
5-10 years .....	1,758	9.8	1.8	900	15.8	3.3	218	8.7 *	3.2	539	»» 5.8	1.2
11-13 years .....	764	7.6 *	1.5	375	12.3	2.3	79	7.9 *	3.3	261	» 5.2 *	2.0
14-16 years .....	658	7.1 *	1.6	293	9.6 *	2.9	76	11.8 *	5.5	250	4.6 *	1.7
Total, age adjusted ...	3,180	8.4	1.1	1,568	12.9	1.8	373	9.6	2.9	1,050	»» 5.2	1.1

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by » (.05 level), »» (.01 level), or »»» (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Youth interview file. The 'All Children' column includes children with missing income.

**Table D-107—Percent of 5-16-year-old children with reported high lead levels or lead poisoning<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,561	0.38 *	0.14	1,770	0.94 *	0.40	425	0.15 *	0.15	1,149	0.04 *	0.03
11-13 years .....	1,464	0.35 *	0.15	714	1.01 *	0.45	167	0.00	0.00	492	0.07 *	0.08
14-16 years .....	1,216	0.70 *	0.40	556	2.26 *	1.32	144	0.28 *	0.27	438	0.00	0.00
Total, age adjusted ...	6,241	0.49	0.16	3,040	1.42	0.51	736	0.16 *	0.12	2,079	0.03 *	0.03
<b>Male</b>												
5-10 years .....	1,808	0.48 *	0.23	871	1.25 *	0.71	208	0.32 *	0.32	612	0.05 *	0.05
11-13 years .....	701	0.51 *	0.26	339	1.51 *	0.79	88	0.00	0.00	231	0.14 *	0.15
14-16 years .....	558	1.15 *	0.82	263	3.91 *	2.70	68	0.00	0.00	188	0.00	0.00
Total, age adjusted ...	3,067	0.72	0.31	1,473	2.25	1.03	364	0.14 *	0.14	1,031	0.05 *	0.05
<b>Female</b>												
5-10 years .....	1,753	0.28 *	0.10	899	0.66 *	0.26	217	0.00	0.00	537	0.03 *	0.03
11-13 years .....	763	0.18 *	0.13	375	0.55 *	0.43	79	0.00	0.00	261	0.00	0.00
14-16 years .....	658	0.29 *	0.17	293	0.73 *	0.40	76	0.57 *	0.57	250	0.00	0.00
Total, age adjusted ...	3,174	0.26 *	0.08	1,567	0.66 *	0.21	372	0.20 *	0.20	1,048	0.01 *	0.01

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Percent is calculated over all children, including those not tested for lead poisoning.

Source: NHANES-III, 1988-94: Youth interview file. The 'All Children' column includes children with missing income.

**Table D-108—Percent of 5-16-year-old children with high blood lead levels<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 .....	3,042	3.23	0.55	1,580	7.32	1.27	365	>> 2.40 *	0.98	944	>>> 0.59 *	0.25
12-13 years .....	1,305	1.33 *	0.43	661	3.90 *	1.28	155	>> 0.18 *	0.18	419	>> 0.23 *	0.13
14-16 years .....	1,782	0.81 *	0.30	832	1.13 *	0.53	222	1.86 *	1.26	599	0.39 *	0.39
Total, age-adjusted ...	6,129	1.97	0.30	3,073	4.40	0.76	742	> 1.74 *	0.83	1,962	>>> 0.44 *	0.20
<b>Male</b>												
5-10 .....	1,542	4.20	0.90	781	10.37	2.01	179	> 3.83 *	1.99	501	>>> 0.49 *	0.26
12-13 years .....	630	1.45 *	0.43	318	4.05 *	1.26	78	>> 0.32 *	0.32	204	>> 0.42 *	0.25
14-16 years .....	874	1.51 *	0.60	402	2.37 *	1.16	107	3.83 *	2.68	285	0.76 *	0.76
Total, age-adjusted ...	3,046	2.66	0.53	1,501	6.20	1.18	364	3.08 *	1.75	990	>>> 0.57 *	0.31
<b>Female</b>												
5-10 .....	1,500	2.18	0.47	799	4.41 *	1.01	186	>> 1.13 *	0.54	443	>>> 0.71 *	0.45
12-13 years .....	675	1.20 *	0.78	343	3.75 *	2.31	77	0.00	0.00	215	0.00	0.00
14-16 years .....	908	0.07 *	0.05	430	0.09 *	0.09	115	0.00	0.00	314	0.00	0.00
Total, age-adjusted ...	3,083	1.23	0.33	1,572	2.74	0.84	378	>> 0.49 *	0.23	972	>> 0.31 *	0.20

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> Medically acceptable values for lead are ug/dL 0-9.9 [1-5 yrs], 0-14.9 [6+ yrs]. (NHANES-III, POM.)

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income. Table excludes pregnant females.

**Table D-109—Percent of 5-16-year-old children with high blood lead levels, NHANES-III Phase I (1988-1991)<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
5-10 .....	1,632	4.4	1.0	790	10.6	2.6	210	<sup>^</sup> 3.7 *	1.5	532	<sup>^^</sup> 0.8 *	0.4
12-13 years .....	599	1.4 *	0.5	281	3.9 *	1.4	81	<sup>^^</sup> 0.0 *	0.0	197	<sup>^</sup> 0.4 *	0.2
14-16 years .....	819	1.3 *	0.4	317	3.2 *	1.3	120	2.9 *	1.9	304	<sup>^</sup> 0.0	0.0
Total, age-adjusted .....	3,050	2.7	0.6	1,388	6.6	1.5	411	<sup>^</sup> 2.6 *	1.3	1,033	<sup>^^</sup> 0.4 *	0.2

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by <sup>^</sup> (.05 level), <sup>^^</sup> (.01 level), or <sup>^^^</sup> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> High lead is identified as ≥ 10.0 mcg/dL. Source: CDC Report on Blood Levels in the U.S.: 1991-94. (CDC, 1997)

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income.

**Table D-110—Percent of 5-16-year-old children with high blood lead levels, NHANES-III Phase II (1991-1994)<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
5-10 .....	1,410	2.1	0.6	790	4.8	1.5	155	<sup>^</sup> 0.9 *	0.4	412	<sup>^^</sup> 0.3 *	0.2
12-13 years .....	706	1.3 *	0.6	380	3.9 *	2.0	74	0.4 *	0.4	222	0.1 *	0.1
14-16 years .....	963	0.5 *	0.4	515	0.1 *	0.1	102	0.4 *	0.4	295	0.8 *	0.8
Total, age-adjusted .....	3,079	1.4	0.4	1,685	3.0	1.0	331	<sup>^</sup> 0.6 *	0.3	929	<sup>^</sup> 0.4 *	0.3

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by <sup>^</sup> (.05 level), <sup>^^</sup> (.01 level), or <sup>^^^</sup> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> High lead is identified as ≥ 10.0 mcg/dL. Source: CDC Report on Blood Levels in the U.S.: 1991-94. (CDC, 1997)

Source: NHANES-III, 1988-94: Examination file. The 'All Children' column includes children with missing income.

**Table D-111—Mean number of decayed, missing, and filled teeth for school-age children<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error	Sample size	Mean	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,428	2.1	0.1	1,737	2.7	0.1	414	2.4	0.2	1,088	***1.6	0.1
11-13 years .....	1,394	2.0	0.1	684	2.2	0.2	163	2.1	0.3	465	1.8	0.2
14-18 years .....	1,522	3.4	0.2	712	3.7	0.3	190	3.5	0.4	515	3.3	0.2
Total, age adjusted ...	6,344	2.5	0.1	3,133	2.9	0.1	767	2.7	0.2	2,068	***2.3	0.1
<b>Male</b>												
5-10 years .....	1,723	2.1	0.1	853	2.6	0.2	200	2.4	0.4	572	***1.7	0.2
11-13 years .....	666	2.0	0.2	326	2.2	0.3	83	1.7	0.3	223	1.9	0.2
14-18 years .....	728	3.2	0.3	339	3.2	0.3	90	2.8	0.6	238	3.5	0.3
Total, age adjusted ...	3,117	2.5	0.1	1,518	2.7	0.2	373	2.4	0.3	1,033	2.4	0.2
<b>Female</b>												
5-10 years .....	1,705	2.1	0.1	884	2.8	0.2	214	2.4	0.3	516	***1.5	0.2
11-13 years .....	728	1.9	0.1	358	2.2	0.2	80	2.5	0.3	242	1.7	0.2
14-18 years .....	794	3.6	0.2	373	4.1	0.4	100	4.2	0.4	277	3.2	0.3
Total, age adjusted ...	3,227	2.6	0.1	1,615	3.1	0.2	394	3.1	0.2	1,035	***2.1	0.1

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

<sup>1</sup> For adults, table shows the sum of decayed, missing, and filled primary teeth due to any cause. For children, count includes the number of decayed and filled deciduous (baby) and primary teeth.

Source: NHANES-III, 1988-94: Examination file. The dental exam was administered in the Mobile Exam Center; 2.8 percent of MEC respondents did not have a dental exam. Total includes persons with missing food stamp participation or income.



**Table D-112—Percent of school-age children who ever visited a dentist or dental hygienist**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,644	87.4	1.2	1,803	80.5	2.7	435	83.3	3.1	1,186	***93.6	1.0
11-13 years .....	1,489	94.8	0.7	718	88.0	1.7	170	**95.6 *	2.2	505	***98.3 *	0.8
14-18 years .....	1,627	94.9	0.9	740	89.3	1.5	198	95.1 *	2.7	570	***98.0 *	1.3
Total, age adjusted ...	6,760	91.6	0.7	3,261	85.2	1.5	803	90.1	1.8	2,261	***96.1	0.6
<b>Male</b>												
5-10 years .....	1,857	86.2	1.8	891	77.8	3.8	212	80.4	5.0	633	***92.5	1.5
11-13 years .....	707	93.7	1.3	340	85.2	3.3	87	95.5 *	3.1	237	***97.4 *	1.4
14-18 years .....	770	95.3	0.8	349	85.8	2.3	94	95.9 *	3.8	261	***100.0 *	>0
Total, age adjusted ...	3,334	91.0	0.9	1,580	82.2	2.3	393	89.1	2.6	1,131	***96.2	0.6
<b>Female</b>												
5-10 years .....	1,787	88.6	1.3	912	83.1	2.4	223	85.9	3.2	553	***94.9	1.4
11-13 years .....	782	96.0	0.6	378	90.5	2.0	83	95.6 *	2.5	268	***99.2 *	0.4
14-18 years .....	857	94.5	1.5	391	92.3 *	1.3	104	94.3 *	3.3	309	96.0 *	2.5
Total, age adjusted ...	3,426	92.2	0.8	1,681	87.9	1.3	410	90.9	2.1	1,130	***96.2	1.1

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.  
 Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
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Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-113—Percent of school-age children who visited a dentist or dental hygienist within the past year**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,644	75.5	1.7	1,803	61.1	3.1	435	70.7	4.2	1,186	***86.1	1.8
11-13 years .....	1,489	78.4	1.5	718	63.4	3.1	170	64.0	6.3	505	***89.3	2.1
14-18 years .....	1,627	77.5	1.4	740	58.2	3.0	198	**72.1	3.9	570	***89.2	2.2
Total, age adjusted ...	6,760	76.8	1.1	3,261	60.6	2.0	803	**69.8	3.0	2,261	***87.9	1.0
<b>Male</b>												
5-10 years .....	1,857	75.0	2.3	891	61.0	4.1	212	66.1	5.6	633	***84.6	2.7
11-13 years .....	707	78.0	2.0	340	66.1	5.6	87	65.6	8.8	237	**86.5	3.0
14-18 years .....	770	76.3	2.0	349	53.2	3.9	94	**74.1	6.3	261	***88.6	2.6
Total, age adjusted ...	3,334	76.1	1.2	1,580	59.3	2.5	393	^68.8	3.8	1,131	***86.4	1.2
<b>Female</b>												
5-10 years .....	1,787	75.9	1.8	912	61.2	3.4	223	**74.8	4.3	553	***88.0	2.2
11-13 years .....	782	78.8	1.9	378	60.9	3.4	83	62.1	6.2	268	***92.3	2.4
14-18 years .....	857	78.7	1.9	391	62.4	3.7	104	70.1	5.5	309	***89.8	3.3
Total, age adjusted ...	3,426	77.5	1.3	1,681	61.6	2.3	410	^70.4	3.2	1,130	***89.6	1.5

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by ^ (.05 level), \*\* (.01 level), or \*\*\* (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-114—Percent of school-age children with any health insurance<sup>1</sup>**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-10 years .....	3,381	90.2	1.1	1,623	80.6	2.4	409	***90.3	1.9	1,171	***96.1	1.3
11-13 years .....	1,428	88.0	1.5	680	75.6	3.6	160	88.0 *	8.3	504	***96.4 *	1.2
14-18 years .....	1,590	86.6	1.5	717	73.4	3.2	185	81.8	5.5	572	***94.8	1.4
Total, age adjusted ...	6,399	88.4	1.1	3,020	77.0	2.4	754	ˆ 86.8	3.3	2,247	***95.7	1.0
<b>Male</b>												
5-10 years .....	1,738	90.3	1.3	815	79.5	2.8	200	ˆˆ 90.2 *	3.0	626	***96.1	1.6
11-13 years .....	682	87.5	2.0	320	76.5	6.1	83	89.0 *	8.8	239	ˆˆ 94.2 *	2.1
14-18 years .....	762	87.8	1.7	343	74.7	3.6	89	84.2 *	5.9	264	***95.7 *	1.8
Total, age adjusted ...	3,182	88.8	1.1	1,478	77.2	2.8	372	ˆ 87.8	3.6	1,129	***95.6	1.1
<b>Female</b>												
5-10 years .....	1,643	90.1	1.4	808	81.7	3.1	209	ˆˆ 90.4 *	2.1	545	***96.1 *	1.6
11-13 years .....	746	88.6	1.9	360	74.7	4.1	77	86.7 *	8.3	265	ˆˆˆ 98.7 *	0.8
14-18 years .....	828	85.3	2.3	374	72.2	4.8	96	79.0 *	8.6	308	ˆˆˆ 93.8 *	2.1
Total, age adjusted ...	3,217	88.1	1.4	1,542	76.8	3.2	382	85.6	4.3	1,118	ˆˆˆ 95.8	1.0

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by ˆ (.05 level), ˆˆ (.01 level), or ˆˆˆ (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).  
<sup>1</sup> Health insurance includes any of Medicare, Medicaid, CHAMPUS/CHAMPVA/VA/military, or private health insurance.

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income. Percents may sum to more than 100 because some persons have multiple sources of health insurance. Sample size varies slightly by source.

**Table D-115—Percent of school-age children with private health insurance**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-10 years .....	3,228	75.2	2.4	1,475	39.5	3.5	404	>>>82.9	3.1	1,168	>>>93.2	1.9
11-13 years .....	1,402	75.3	2.1	650	37.4	3.4	161	>>>82.3	8.7	505	>>>94.2 *	1.9
14-18 years .....	1,568	73.3	2.5	693	35.6	4.5	187	>>>74.9	5.6	573	>>>91.4	1.9
Total, age adjusted ...	6,198	74.6	2.0	2,818	37.7	2.6	752	>>>79.9	3.8	2,246	>>>92.8	1.6
<b>Male</b>												
5-10 years .....	1,660	75.9	2.4	742	39.8	3.4	196	>>>79.8	5.1	625	>>>92.7	2.4
11-13 years .....	662	74.7	2.2	302	37.3	4.7	82	>>>83.9 *	9.2	238	>>>91.7 *	2.6
14-18 years .....	754	75.5	2.8	332	37.0	5.8	91	>>>81.6 *	6.0	265	>>>92.4 *	2.4
Total, age adjusted ...	3,076	75.5	1.9	1,376	38.3	3.1	369	>>>81.3	4.2	1,128	>>>92.4	1.8
<b>Female</b>												
5-10 years .....	1,568	74.5	3.1	733	39.2	4.8	208	>>>85.6	2.8	543	>>>94.0 *	2.1
11-13 years .....	740	76.0	2.9	348	37.5	4.9	79	>>>80.4 *	9.1	267	>>>96.8 *	1.6
14-18 years .....	814	71.1	3.6	361	34.3	5.0	96	>>>66.9 *	8.8	308	>>>90.5 *	2.8
Total, age adjusted ...	3,122	73.6	2.6	1,442	37.1	3.2	383	>>>77.9	4.7	1,118	>>>93.3	1.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-116—Percent of school-age children with Medicaid**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error	Sample size	Percent	Standard error
<b>Both sexes</b>												
5-10 years .....	2,770	20.8	1.6	1,520	51.6	3.1	297	>>>6.0	1.8	807	>>>1.0 *	0.3
11-13 years .....	1,260	15.9	1.5	653	46.4	3.7	135	>>>4.0 *	1.6	396	>>>0.6 *	0.3
14-18 years .....	1,461	16.2	1.7	705	45.5	4.6	161	>>>6.9 *	2.6	488	>>>2.1 *	0.9
Total, age adjusted ...	5,491	18.1	1.1	2,878	48.4	2.8	593	>>>5.9	1.3	1,691	>>>1.3	0.4
<b>Male</b>												
5-10 years .....	1,412	20.6	1.8	755	54.1	3.4	145	>>>8.5 *	3.5	430	>>>1.4 *	0.5
11-13 years .....	602	15.4	2.2	308	45.0	4.8	71	>>>5.6 *	2.3	185	>>>1.0 *	0.5
14-18 years .....	721	14.3	2.3	341	45.8	5.7	83	>>>4.6 *	2.4	235	>>>0.7 *	0.5
Total, age adjusted ...	2,735	17.3	1.5	1,404	49.2	2.7	299	>>>6.5	2.0	850	>>>1.0 *	0.3
<b>Female</b>												
5-10 years .....	1,358	20.9	1.8	765	49.3	4.0	152	>>>3.9 *	1.1	377	>>>0.5 *	0.2
11-13 years .....	658	16.4	1.9	345	47.8	5.0	64	>>>1.9 *	1.3	211	>>>0.1 *	0.1
14-18 years .....	740	18.4	2.4	364	45.3	6.1	78	>>>10.2 *	4.9	253	>>>3.7 *	1.7
Total, age adjusted ...	2,756	19.0	1.3	1,474	47.6	3.4	294	>>>5.7	1.8	841	>>>1.5	0.6

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-117—Percent of school-age children with a regular source of health care**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,671	91.4	0.9	1,817	86.5	1.8	436	90.7	2.0	1,194	***94.9	1.1
11-13 years .....	1,503	91.2	1.0	724	85.1	2.0	172	81.6	5.5	510	**96.6	1.0
14-18 years .....	1,650	85.2	1.4	750	78.6	3.2	198	80.0	4.6	579	**89.7	1.5
Total, age adjusted ...	6,824	89.2	0.8	3,291	83.4	1.7	806	85.0	2.2	2,283	**93.4	0.8
<b>Male</b>												
5-10 years .....	1,868	92.2	1.1	896	88.5	1.9	213	89.4	3.6	637	**95.3	1.4
11-13 years .....	718	91.7	1.3	344	85.4	2.9	89	79.6 *	7.9	241	**97.1 *	0.8
14-18 years .....	784	82.5	2.0	356	79.5	3.6	94	75.9	7.2	265	85.0	2.3
Total, age adjusted ...	3,370	88.7	1.0	1,596	84.6	1.8	396	82.5	3.6	1,143	**92.0	1.1
<b>Female</b>												
5-10 years .....	1,803	90.5	1.2	921	84.6	2.7	223	*91.8 *	2.3	557	**94.4	1.2
11-13 years .....	785	90.6	1.3	380	84.8	2.7	83	84.0 *	5.3	269	**96.0 *	1.9
14-18 years .....	866	87.9	1.8	394	77.9	4.4	104	84.2 *	4.9	314	**94.4	1.6
Total, age adjusted ...	3,454	89.6	1.0	1,695	82.3	2.5	410	87.4	2.3	1,140	**94.7	0.8

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-118—Percent of school-age children who see a particular doctor**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,670	74.7	1.9	1,816	64.9	3.0	436	69.6	3.8	1,194	***82.0	2.3
11-13 years .....	1,503	74.6	2.7	724	64.4	3.3	172	60.1	5.4	510	***84.6	3.5
14-18 years .....	1,650	69.4	1.7	750	61.8	3.5	198	59.8	5.0	579	**76.1	2.3
Total, age adjusted ...	6,823	72.8	1.7	3,290	63.7	2.4	806	64.1	3.5	2,283	***80.4	1.9
<b>Male</b>												
5-10 years .....	1,868	75.6	2.1	896	69.1	3.0	213	68.6	4.9	637	**80.8	2.9
11-13 years .....	718	73.5	3.4	344	65.2	5.0	89	60.9	7.6	241	**81.8	4.7
14-18 years .....	784	67.6	2.8	356	60.1	4.9	94	61.6	7.8	265	*73.2	4.1
Total, age adjusted ...	3,370	72.4	1.8	1,596	65.1	3.0	396	64.5	4.7	1,143	***78.3	2.3
<b>Female</b>												
5-10 years .....	1,802	73.7	2.3	920	61.0	4.7	223	70.5	6.0	557	***83.5	2.9
11-13 years .....	785	75.7	2.9	380	63.7	4.0	83	59.1 *	11.0	269	***87.5	3.4
14-18 years .....	866	71.1	2.1	394	63.2	4.5	104	57.9	6.9	314	**78.9	2.3
Total, age adjusted ...	3,453	73.2	1.9	1,694	62.4	3.1	410	63.6	5.3	1,140	***82.7	1.9

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.

**Table D-119—Percent of school-age children who saw a doctor within the past year**

	All children			Lowest income: ≤ 130% poverty			Low-income: 131-185% poverty			Higher-income: > 185% poverty		
	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error	Sample size	Percent	Standard Error
<b>Both sexes</b>												
5-10 years .....	3,663	78.8	1.4	1,811	73.4	1.9	435	72.0	3.5	1,194	***83.8	2.0
11-13 years .....	1,500	69.5	2.1	722	68.3	3.3	172	55.5	5.8	509	73.4	2.7
14-18 years .....	1,641	70.2	2.0	744	66.9	3.2	197	57.6	5.2	578	75.7	2.4
Total, age adjusted ...	6,804	73.7	1.1	3,277	70.0	1.8	804	63.4	2.4	2,281	***78.7	1.3
<b>Male</b>												
5-10 years .....	1,863	79.2	2.0	892	75.1	3.0	213	67.4	4.8	637	83.3	2.7
11-13 years .....	716	68.9	3.2	343	70.2	4.1	89	**49.0	6.7	240	72.9	4.0
14-18 years .....	778	64.4	2.5	352	58.6	5.4	93	51.1	5.9	264	70.8	3.5
Total, age adjusted ...	3,357	71.8	1.4	1,587	68.2	2.7	395	**57.7	2.7	1,141	76.6	1.9
<b>Female</b>												
5-10 years .....	1,800	78.3	1.7	919	71.9	2.5	222	76.2	4.5	557	***84.3	2.0
11-13 years .....	784	70.1	3.0	379	66.5	4.2	83	63.3	8.9	269	74.1	5.0
14-18 years .....	863	75.9	2.3	392	74.1	4.4	104	64.2	8.6	314	80.5	2.7
Total, age adjusted ...	3,447	75.7	1.2	1,690	71.5	2.2	409	69.2	3.8	1,140	***80.8	1.5

Notes: \* Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation. Significant differences in means and proportions are noted by > (.05 level), >> (.01 level), or >>> (.001 level). Differences are tested in comparison to lowest income group (Income ≤ 130% poverty).

Source: NHANES-III, 1988-94: Adult and youth interview files. The 'All Children' column includes children with missing income.