

PUBLICATIONS BRANCH EDITORIAL LIBRARY

Height and Weight of Adults 18-74 Years of Age in the United States

The height and weight measurements in this report were obtained as a part of the Health and Nutrition Examination Survey (HANES). HANES is a program in which measures of nutritional status are collected for a scientifically designed sample representative of the civilian noninstitutionalized population of the United States in a broad range of ages, 1-74 years.²

The HANES findings are based on examinations of the 13,671 persons aged 18-74 years from a total group of 20,749 examined persons aged 1-74 years in the 65 primary sampling units (PSU's) which make up the total sample. A nationwide probability sample of 28,043 persons was selected to be examined in 65 PSU's, which were visited between April 1971 and June 1974. The HANES nutrition examination included a

¹This report prepared by Sidney Abraham, Clifford L. Johnson, and Matthew F. Najjar, Division of Health Examination Statistics.

²National Center for Health Statistics: Plan and operation of the Health and Nutrition Examination Survey, United States, 1971-1973. Vital and Health Statistics. Series 1-Nos. 10a and 10b. DHEW Pub. Nos. (HRA) 76-1310 (10a) and (HSM) 73-1310 (10b). Health Resources Administration. Washington. U.S. Government Printing Office, Feb. 1973. general medical examination for indicators of nutritional deficiencies by a physician, a skin examination by a dermatologist, and a dental examination by a dentist. Body measurements were taken by a trained technician; a dietary interview, consisting of a 24-hour recall of food consumption and a food frequency questionnaire, was administered; and numerous laboratory tests were performed on whole blood, serum, plasma, and urine. A description of the sampling process, HANES operation, and response rates has been published.²

Estimates in this report are based on weighted observations. The data obtained for the examined persons were inflated to the level of the total population using the appropriate weights to account for both sampling fractions and response results. National estimates of the distribution of height and weight among the U.S. population based on findings from the HANES program will be analyzed and discussed in a future report: "Height and Weight Measurements of Adults 18-74 Years: United States, 1971-74," Vital and Health Statistics, Series 11. Selected data from that report are discussed here and shown in tables 1-7.

Advance Data from Vital and Health Statistics replaces the supplements to the Monthly Vital Statistics Report as the means for early release of selected findings from the health and demographic surveys conducted by the NCHS. Most of these releases will be followed by detailed reports in the Vital and Health Statistics series.

Provisional vital statistics as well as advance reports of final data for a year will continue to be published in the Monthly Vital Statistics Report.

Advance Data is being distributed on the mailing keys for the Vital and Health Statistics series, and people who now receive reports from a particular series will also receive all Advance Data releases for that series. Temporarily, the mailing list for the Monthly Vital Statistics Report (MVSR) is also being used. MVSR readers who wish to continue to receive Advance Data issues, as well as other persons who wish to receive all issues, should contact:

National Center for Health Statistics Room 8-20 5600 Fishers Lane Rockville, Maryland 20852 Phone: (301) 443-1200

PRINCIPAL FINDINGS

The mean weight of men aged 18-74 years was 172 pounds. The mean weight of men increased from 165 pounds in age group 18-24 years to 178 pounds in age group 35-44 years. Thereafter, it decreased with age to 175 pounds in age group 45-54 years, 171 pounds at 55-64 years, and a low of 164 pounds in the oldest age group measured, 65 years and over.

The mean weight of women was 143 pounds, 29 pounds less than that for men. The mean weight increased with age from a low of 132 pounds at 18-24 years to a high of 149 pounds at ages 45-64 years and then declined to 146 pounds in the oldest age group.

The cross-sectional data on body measurements of adults were obtained on different age cohorts. The age trends show the mean body measurements for successive cohorts of persons of different age groups and reflect the effect of different environmental as well as hereditary influences. The limitations of cross-sectional data are recognized in considering group age changes.

The mean height for men aged 18-74 was 69.0 inches. The highest mean height, 69.7 inches, was found in the youngest age group,



18-24 years, and is 2.4 inches taller than the height in age group 65 years and over, 67.3 inches. This corresponds with a small decrease in height with increasing age, which averages less than one-half inch per decade of age over the range 18-74 years.

Among women the mean height was 63.6 inches, 5.4 inches less than the mean height among men. The mean height for women was highest (64.3 inches), in the youngest age group, as it was for men. The mean height decreased slightly to 64.1 inches at 25-34 years, remained constant at 35-44 years, and then declined to 63.6 inches at 45-54 years, 62.8 inches at 55-64 years, and 62.3 inches in the oldest age group, 65 years and over. The difference between the youngest and oldest age groups is 2.0 inches. The decrease in height with age averages less than one-half inch per decade over the age range of 18-74 years.

In each of the five age groups in the range 18-64 years white men were taller than Negro men. The average difference between heights of white and Negro men in the same age group was about one-half inch. At age group 65 years and over, however, the mean height for Negro and white men was the same. This pattern by age and race is not observed for women. At age groups 18-24 and 25-34 years, white women were, on the average, 0.25 inches taller than Negro women. At ages 35-44, Negro women were



0.1 inch taller than white women; at ages 45-54, they were 0.2 inch taller; and at ages 65 and over, they were 0.3 inch taller. At ages 55-64 years, the mean height for both races was the same.

Mean weights increased among white men from a low of 165 pounds at 18-24 years to a high of 178 pounds at 35-44 years. Among Negro men, mean weight increased consistently with age from 166 pounds at ages 18-24 years to 182 pounds at ages 35-44 years. The mean weights of both Negro and white men decreased with age from the group 45-54 years on. Negro and white men showed little consistent difference in mean weights among the different age groups.

Data on weight by age for Negro and white women tend to parallel those seen for men, with the exception that the increase in mean weight of women continued up to the age group 45-54 years and then declined. However, at each age Negro women had larger mean weights than white women, with the differences between races being very large, averaging about 20 pounds heavier for the age groups 35-64 years.

Although heights of U.S. adults as measured from the Health and Nutrition Examination Survey, 1971-74, were taller than those from the



Health Examination Survey (HES), 1960-62,³ the differences are numerically small. HANES data for men's heights range from less than one-half inch to an inch taller than the HES data. Corresponding values for women are from less than one-half inch to slightly more than three-quarters of an inch taller.

U.S. adults in HANES were heavier than those in HES. The HANES data on weights for men are consistently higher by an average of 6 pounds across the age range 18-74 years; for women they are higher by an average of 3 pounds for this age range.

Relatively more men and women in the most recent survey, 1971-74, are taller than those in HES, 1960-62. Fifty-one percent of the men in HANES were 69 inches or taller as compared to 38 percent in HES across the age range of 18-74 years. The corresponding values for HANES and HES for heights of 70 inches or more are 36 percent and 28 percent, respectively. In this age range, 45 percent of the women in HANES were 64 inches or taller as

³National Center for Health Statistics: Weight, height, and selected body dimensions of adults, United States, 1960-1962. *Vital and Health Statistics*. Series 11-No. 8. DHEW Pub. No. (HRA) 76-1074. Health Resources Administration. Washington. U.S. Government Printing Office, June 1965.





compared to 37 percent for HES. The corresponding values for HANES and HES for 65 inches and more are 30 percent and 21 percent, respectively.

The proportions of men and women whose height exceeded any other specified height may be found from the data presented in tables 4 and 6.



TECHNICAL NOTES

The sampling plan of the Health and Nutrition Examination Survey (HANES) followed a highly stratified multistage probability design in which a sample was selected of the civilian noninstitutionalized population of the coterminous United States 1-74 years of age. Successive elements dealt with in the process of sampling were the primary sampling unit (PSU), census enumeration district (ED), segment (cluster of households), household, eligible person, and finally, sample person. The sampling design focused special attention on groups of people known to be at greater risk of malnutrition by oversampling these groups-the poor, preschool children, women of childbearing ages, and the elderly.

All height and weight data presented are based on "weighted" observations. That is, data recorded for each sample person were inflated to characterize the subuniverse from which that sample person was drawn. For each examined person, this is a product of the reciprocal of the probability of selecting the person, an adjustment for nonresponse cases (i.e., persons not examined), and a poststratified ratio adjustment which increases precision by bringing survey results into closer alignment with known U.S. population figures for 20 age, race, and sex groups as of November 1, 1972, the approximate midpoint of HANES.



4

Table 1. Height in inches of adults aged 18-74 years, by sex and age: sample size, estimated population in thousands, mean, standard deviation, standard error of the mean, and selected percentiles, United States, 1971-74

Sex and age	Sample	Estimated population	Mean	Standard	Standard error of	Percentile							
	size	in thousands		deviation	the mean	5th	10th	25th	50th	75th	90th	95th	
Men					Н	eight	in inc	hes		•		<u> </u>	
18-74 years-	5,260	60,565	69.0	2.8	0.07	64.4	65.5	67.1	69.0	70.8	72.6	73.6	
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over- <u>Women</u>	772 804 665 765 597 1,657	11,351 12,766 10,804 11,260 8,888 5,496	69.7 69.6 69.1 68.9 68.3 67.3	2.8 2.9 2.7 2.6 2.6	0.18 0.12 0.13 0.13 0.16 0.08	65.1 64.8 64.7 64.7 64.1 63.2	66.1 66.0 65.8 65.6 65.1 64.2	67.8 67.6 67.3 67.1 66.7 65.6	69.7 69.5 69.2 68.8 68.2 67.3	71.5 71.5 71.1 70.6 70.1 69.1	73.4 73.4 72.6 72.4 71.7 70.6	74.4 74.3 73.4 73.2 72.5 71.6	
18-74 years-	844	67,372	63.6	2.5	0.04	59.5	60.5	62.0	63.7	65.3	66.8	67.8	
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over-	1,524 1,896 1,663 836 670 1,822	12,111 13,996 11,772 12,264 9,953 7,277	64.3 64.1 63.6 62.8 62.3	2.5 2.4 2.5 2.3 2.4 2.4 2.4	0.08 0.08 0.09 0.10 0.10 0.08	60.2 60.2 59.9 59.9 58.6 58.2	61.2 61.2 60.8 60.6 59.6 59.3	62.6 62.4 62.3 62.1 61.2 60.8	64.3 64.0 64.1 63.7 62.8 62.3	65.8 65.7 65.2 64.5 63.9	67.4 67.3 67.3 66.7 65.6 65.3	68.4 68.2 68.4 67.3 66.6 66.2	

NOTE: Height was measured without shoes.

٩

Table 2. Weight in pounds of adults aged 18-74 years, by sex and age: sample size, estimated population in thousands, mean, standard deviation, standard error of the mean, and selected percentiles, United States, 1971-74

Sex and age	Sample	Estimated population	Mean	Standard	Standard error of	Percentiles							
	size	in thousands	Incuir	deviation	the mean	5th	10th	25th	50th	75th	90th	95th	
Men					Weight in pounds								
18-74 years-	5,260	60,565	172	31.1	0.64	128	137	152	170	189	211	225	
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years and over- <u>Women</u>	772 804 665 765 597 1,657	11,351 12,766 10,804 11,260 8,888 5,496	165 176 178 175 171 164	29.6 35.0 30.0 29.2 30.0 27.0	1.64 1.45 1.56 1.12 1.28 0.88	124 132 132 130 125 122	132 140 143 139 137 130	145 153 160 157 152 147	161 172 176 175 170 163	180 193 196 192 187 180	204 217 213 215 208 198	222 233 225 225 222 211	
18-74 years-	8,411	67,372	143	32.3	0.53	104	110	122	137	159	185	203	
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over-	1,524 1,896 1,663 836 670 1,822	12,111 13,996 11,772 12,264 9,953 7,277	132 140 148 149 149 146	27.4 32.0 35.0 32.0 33.3 29.1	0.69 0.82 1.14 1.39 1.26 1.07	100 103 109 109 104 105	106 109 114 114 111 112	114 119 124 127 128 126	128 132 139 145 144 142	142 152 163 164 166 163	163 181 195 191 191 183	181 202 215 213 203 195	

NOTE: Total weights of all clothing ranged from 0.20 to 0.62 lb., which is not deducted from weights shown in table.

	Sample	Estimated population		Standard	Standard								
Sex, race, and age	size	in thousands	Mean	deviation	error of the mean	5th	10th	25th	50th	75th	90th	95th	
MEN													
White		l l				Heig	ht in in	ches					
18-74 years	4,343	54,109	69.1	2.8	0.08	64.6	65.6	67.2	69.1	70.9	72.7	73.6	
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over	625 672 570 628 504 1,344	9,849 11,191 9,857 10,117 8,125 4,970	69.8 69.7 69.2 68.9 68.3 67.3	2.8 2.8 2.6 2.6 2.6 2.6	0.20 0.13 0.13 0.14 0.17 0.09	65.3 65.3 64.8 64.7 64.2 63.2	66.3 66.3 65.9 65.6 65.1 64.2	67.9 67.7 67.5 67.2 66.7 65.6	69.8 69.7 69.3 68.9 68.2 67.3	71.4 71.7 71.1 70.7 70.1 69.1	73.4 73.4 72.6 72.5 71.7 70.6	74.5 74.3 73.4 73.3 72.5 71.7	
<u>Negro</u> 18-74 years	847	5,730	68.6	2.8	0.16	64.1	64.8	66.8	68.6	70.6	72.4	73.3	
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over	132 119 87 130 85 294	1,287 1,377 820 1,087 672 486	69.5 68.6 69.1 68.2 68.2 67.3	2.8 2.9 3.1 2.4 2.3 2.4	0.45 0.38 0.44 0.26 0.32 0.18	64.6 64.1 62.4 64.5 64.1 63.1	65.3 64.4 65.6 65.4 64.4 64.2	67.4 66.6 67.2 66.6 66.6 65.6	69.8 68.6 69.2 67.9 68.1 67.5	71.7 70.6 71.3 69.5 70.1 69.1	72.9 72.6 72.8 71.3 70.9 70.2	73.6 73.7 74.3 72.3 71.8 70.9	
WOMEN													
White													
18-74 years	6,758	59,482	63.7	2.5	0.05	59.5	60.6	62.0	63.7	65.3	66.8	67.8	
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over	1,165 1,539 1,301 705 552 1,496	10,298 12,338 10,250 11,091 8,905 6,601	64.3 64.1 64.1 63.6 62.8 62.3	2.5 2.5 2.5 2.4 2.4 2.4 2.4	0.09 0.08 0.09 0.11 0.11 0.09	60.3 60.2 60.1 59.9 58.6 58.2	61.3 61.2 60.9 60.6 59.7 59.2	62.7 62.4 62.4 62.0 61.2 60.7	64.3 64.1 64.1 63.7 62.8 62.3	65.9 65.8 65.7 65.2 64.5 63.9	67.4 67.3 67.3 66.7 65.6 65.3	68,4 68.3 68.4 67,3 66.6 66,2	
<u>Negro</u> 18-74 years	1,557	7,268	63.7	2.5	0.09	59.6	60.6	62.1	63.7	65.3	66.8	67.8	
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over	329 335 334 126 115 318	1,618 1,540 1,354 1,131 971 654	64.0 63.9 64.2 63.8 62.8 62.6	2.4 2.3 2.5 2.2 2.6 2.4	0.20 0.20 0.19 0.30 0.24 0.18	60.2 60.2 59.8 60.2 58.4 58.7	60.9 61.2 60.7 60.7 59.5 59.6	62.4 62.3 62.8 62.3 61.3 61.2	64.0 63.7 64.3 63.6 62.8 62.5	65.4 65.3 65.6 65.6 64.7 64.1	66.9 67.1 67.7 66.8 66.2 65.5	68.1 67.8 68.8 67.6 66.9 66.2	

Table 3. Height in inches of adults aged 18-74 years, by sex, race, and age: sample size, estimated population in thousands, mean, standard deviation, standard error of the mean, and selected percentiles, United States, 1971-74

NOTE: Height was measured without shoes.

Table 4. Cumulative percent distribution of height in inches of adult males, according to age: United States, HES (1960-62) and HANES (1971-74)

	Age														
Height in inches	18-74	18-74 years		18-24 years		25-34 years		35-44 years		45-54 years		55-64 years		and over	
	1960- 62	1971- 74	1960- 62	1971- 74	1960- 62	1971- 74	1960- 62	1971- 74	1960- 62	1971- 74	1960- 62	1971- 74	1960- 62	1971- 74	
	Cumulative percent distribution														
Under 60 Under 61 Under 63 Under 64 Under 65 Under 67 Under 69 Under 70 Under 71 Under 72 Under 73 Under 75 Under 76 Under 76	0.30664110 52.9.1015582457 1192442.24582457 622457840.6899999 99990 100	0.1 0.4 0.7 1.7 7.3 13.6 23.5 35.9 49.5 63.7 85.0 92.66 98.4 998.4 998.4 100.0	- 0.2 1.5 3.7 7.7 12.8 28.6 41.3 56.1 68.7 97.8 99.2 99.2 99.2 100.0	- 0.44 1.775 4.9.40 1.6.40 2.51 1.6.25 1.6.25 1.5.9 807.5 967.0 967.0	- 0.12 3.18 7.221 3.23 502.66 764.44 995.88 995.00 100.0	0.234568231 0.2568231 199.18241204 569.441204 569.441204 787.894.9980 9980 100	0.1 0.2 0.5 1.9 3.8 27.6 57.6 84.0 92.9 97.9 98.8 100.0	0.1 0.49 1.6 3.2 1120.8 47.4 84.7 997.0 999.0 100.0	0.2 0.4 1.8 4.4 19.1 31.5 74.3 45.0 74.3 45.7 99.0 99.6 99.0 100.0	0.2257 0.25762117 13.62117 13277169920 13277568997 566.997 566.997 566.997 566.999 999.00 999.00 999.100	-5.8 5.231 23.11 30.314 55.23 30.314 55.29 819.88 948.46 999.88 999.88 999.88 999.88 999.88 999.88 999.88 999.88 999.88 999.88	0.2 0.5 0.5 0.1 9.60 30.1 460.5 83.8 93.7 98.9 98.9 98.9 98.9 99.7 100.0	$\begin{array}{c} 0.7\\ 1.1\\ 3.2\\ 5.7\\ 9.0\\ 23.4\\ 35.7\\ 54.2\\ 65.4\\ 82.0\\ 88.4\\ 95.4\\ 99.0\\ 99.0\\ 100.0\\ 100.0\\ 100.0\\ 100.0\end{array}$	0.6 1.31 4.4 84 17.57 304.3 74.1 92.69 99.7 100.00 100.0	

~

6

U

Table 5. Weight in pounds of adults aged 18-74 years, by sex, race, and age: sample size, estimated population in thousands, mean, standard deviation, standard error of the mean, and selected percentiles, United States, 1971-74

				1	1		-					
Sex, race, and age	Sample	Estimated population	Mean	Standard	Standard error of			Pe	rcentile			
	size	in thousands		deviation	the mean	5th	10th	25th	50th	75th	90th	95th
MEN										•	·	
White						Weig	ht in po	unds				
18-74 years	4,343	54,109	173	30	0.75	129	138	153	171	190	211	224
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over	625 672 570 628 504 1,344	9,849 11,191 9,857 10,117 8,125 4,970	165 177 178 176 171 164	28 32 29 29 29 29	1.89 1.40 1.66 1.23 1.49 0.99	125 134 133 129 125 123	133 142 145 141 136 131	146 155 160 158 153 148	162 173 177 176 171 164	182 194 195 193 187 180	205 217 211 214 208 198	222 232 224 225 220 210
<u>Negro</u> 18-74 years	847	5,730	171	40	2.54	125	134	145	163	189	217	239
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over	132 119 87 130 85 294	1,287 1,377 820 1,087 672 486	166 175 182 168 172 161	37 51 37 32 41 30	4.04 8.17 4.59 3.75 6.34 2.31	123 124 130 135 119 121	131 134 137 136 138 127	142 148 151 145 145 137	159 162 180 162 163 156	176 193 201 185 186 179	202 219 236 220 237 205	227 235 255 230 249 218
WOMEN White												
18-74 years	6,758	59,482	142	31	0.59	104	110	121	136	157	182	199
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over	1,165 1,539 1,301 705 552 1,496	10,298 12,338 10,250 11,091 8,905 6,601	132 138 146 147 147 147 145	26 31 34 30 30 28	0.82 1.02 1.29 1.32 1.35 1.08	100 104 109 109 103 105	106 109 114 113 111 113	115 118 124 126 127 126	128 131 137 143 143 142	142 150 159 162 164 162	162 179 191 188 187 180	177 201 213 204 201 192
<u>Negro</u> 18-74 years	1,557	7,268	156	41	1.53	104	111	129	148	176	207	228
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over	329 335 334 126 115 318	1,618 1,540 1,354 1,131 971 654	138 149 165 169 168 155	34 37 39 42 48 36	2.47 3.20 2.68 4.53 6.37 3.28	100 100 112 115 104 94	107 108 121 128 118 109	114 127 136 139 139 133	130 141 158 162 156 153	150 170 185 186 191 177	184 190 216 215 215 202	203 226 238 244 297 219

NOTE: Total weights of all clothing ranged from 0.20 to 0.62 lb., which is not deducted from weights shown in table.

Table 6. Cumulative percent distribution of height in inches of adult females, according to age: United States, HES (1960-62) and HANES (1971-74)

,		Age														
Height in inches	18-74	18-74 years		18-24 years		25-34 years		35-44 years		45-54 years		55-64 years		and over		
	1960- 62	1971- 74	1960- 62	1971- 74	1960- 62	1971- 74	1960- 62	1971- 74	1960 - 62	1971- 74	1960- 62	1971- 74	1960 - 62	1971- 74		
	Cumulative percent distribution															
Under 55 Under 56 Under 58 Under 59 Under 60 Under 61 Under 63 Under 65 Under 66 Under 68 Under 68 Under 68 Under 69 Under 70 Under 71	0.4734858728182369 0.244858728182369 10858728182369 108587874799999 999999 99990	0.1 0.6 1.4 3.0 6.8 13.6 39.6 39.6 39.8 99.2 98.1 98.1 98.1 98.2 98.2 99.2 100.0		111381115680375536430 000244869350663368990 12950663368990 12950663998990 12950663998990 129506639999990	- 1399 0.1399 1672405 16222057 122257 13337 9999 9999 9999 100	0.022 0.90 1.00 7.82 33.32 49.29 87.89 97.99 997.0 999.0 100.0	0.115329128649601890 0.126128649601890 1424575347999990 14245758947999990 99900	0.01 0.13 0.65 51.25 112.99 47.63 47.83 47.83 997.06 997.00 999.00	0.55200 24.15 11.00215 11.00215 58.294 99.99 99.00 10020 99.00 10020 99.00	0.00 0.46 1.01 13.79 55.72 395.72 98.75 998.75 998.57 998.57 999.57 100.0	$\begin{array}{c} 0.60\\ 1.06\\ 3.39\\ 7.49\\ 5.23\\ 4232\\ 562\\ 767\\ 892\\ 462\\ 968\\ 999\\ 999\\ 999\\ 1000\\ 1000\\ \end{array}$	$\begin{array}{c} 0.0\\ 1.0\\ 3.0\\ 6.2\\ 8\\ 11.\\ 36.\\ 36.\\ 36.\\ 36.\\ 36.\\ 36.\\ 39.\\ 4\\ 99.\\ 4\\ 99.\\ 99.\\ 99.\\ 100.\\ 0\end{array}$	- 1.3 2.0 8.3 13.9 27.5 38.4 58.0 72.1 82.9 92.6 97.5 99.0 99.8 99.8 99.8 100.0 100.0	0.2 0.6 1.2 4.0 8.1 14.8 27.2 43.3 61.3 75.5 86.2 94.0 97.4 98.7 98.7 98.7 98.7 100.0 100.0		

-

7

		Men		Women				
Age	HES, 1960-62	HANES, 1971-74	Excess of HANES over HES	HES, 1960-62	hanes, 1971-74	Excess of HANES over HES		
		L		<u> </u>				
18-74 years	68.3	69.0	+0.7	63.1	63.6	+0.5		
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over	68.7 69.1 68.5 68.2 67.4 66.9	69.7 69.6 69.1 68.9 68.3 67.3	+1.0 +0.5 +0.6 +0.7 +0.9 +0.4		63.6 62.8	+0.4 +0.6 +0.7 +0.4		
			Weight :	in pounds				
18-74 years	166	172	+6	140	143	+3		
18-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65 years and over	158 169 170 170 164 158	165 176 178 175 171 164	+7 +7 +8 +5 +7 +6	127 134 142 145 150 144	132 140 148 149 149 146	+5 +6 +6 +4 -1 +2		

Table 7. Comparison of mean heights and weights in HES (1960-62) and HANES (1971-74), by sex and age: United States

NOTE: Height was measured without shoes. 2 lb. are deducted from HES data to allow for weight of clothing; total weights of all clothing for HANES ranged from 0.20 to 0.62 lb., which is not deducted from weights shown.

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE Public Health Service Health Resources Administration National Center for Health Statistics 5600 Fishers Lane Rockville, Maryland 20852 POSTAGE AND FEES PAID U.S. DEPARTMENT OF HEW HEW 390



OFFICIAL BUSINESS PENALTY FOR PRIVATE USE, \$300 (HRA) 77-1250