



MEDICO-ACTUARIAL MORTALITY INVESTIGATION

VOLUME I

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RATES OF MORTALITY TO BE USED AS A
STANDARD OF EXPECTED DEATHS

INSTRUCTIONS TO COMPANIES FOR PREPARING
DATA AND GENERAL INFORMATION

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MEDICO-ACTUARIAL MORTALITY INVESTIGATION

By The Association of Life Insurance Medical Directors and The Actuarial
Society of America

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REPORT OF THE JOINT COMMITTEE ON THE MEDICO-ACTUARIAL MORTALITY INVESTIGATION

INTRODUCTION

IN 1907 The Association of Life Insurance Medical Directors, following a discussion upon Medical Selection, appointed a Committee to formulate plans for a thorough study of various types of supposed medical impairments, making use of the Specialized Mortality Investigation as a basis and to some extent as a model. This Committee submitted a preliminary report to the Association at its meeting in 1909 and was still at work upon the subject when, early in that year, The Actuarial Society of America appointed a Committee to extend the work of the Specialized Investigation. The latter Committee, learning of the proposed Investigation by the Medical Directors' Association, immediately approached the Committee of that body and suggested a joint investigation, since it was realized that a great deal more could be accomplished by united effort than by each Society separately. Accordingly the two Committees went before their respective Societies with a plan of a co-operative or joint investigation, and in October, 1909, received full authority to proceed with the work as representing both the Medical Directors' Association and the Actuarial Society.

PLAN AND SCOPE

As soon as possible after organizing, the Joint Committee determined upon the plan and scope of the investigation, being governed by the following considerations:

1. That only those companies should be invited to participate which were represented in both The Actuarial Society of America and The Association of Life Insurance Medical Directors.
2. That the investigation should include only those classes of risks in which the experience was likely to be of practical insurance value, while classes of purely academic interest should be excluded.
3. That the method of procedure should be such that each company might be able in future to employ it in such investigations of its own as it might choose to make, and that all necessity of again referring to the applications and medical reports in any subsequent investigation should be eliminated.
4. That the investigation should extend back only so far as to include cases accepted under modern conditions of medical selection and life environment.
5. That it should be confined to policies issued in the United States and Canada.

A call was issued to the Actuaries and Medical Directors of all companies represented for lists of classes and subjects which they desired to have considered. The responses included, among other suggestions, 600 occupations and 250 medical impairments. These were grouped by the Committee according as they were:

- (a) suggested by many companies,
- (b) suggested by a few companies,
- (c) suggested by only one company.

Every suggestion was carefully considered, but many valuable ideas were abandoned, some because the companies' records did not supply the necessary information, others because they appealed to only one or two companies or because existing statistics were insufficient. The Committee had to keep constantly in mind in this process of elimination the necessity of obtaining the co-operation of all the prominent companies, which could not be secured if too great an amount of work were entailed in preparing the data. As a result of a study of these suggestions, the Committee prepared a list of the classes which it deemed advisable to investigate, calling these "Required" Classes, and another list of classes for which there was not a strong demand or for which the Committee did not think sufficient data existed at the present time, though such data might be accumulated at some time in the future, these latter being called "Optional" Classes. While the Committee asked the companies to furnish only the "Required" Classes, it was hoped that a sufficient number would supply the "Optional" Classes, so that an investigation of these classes might be possible at this time; or if this were impossible, that the record of these "Optional" Classes would be available for an investigation a few years hence.

The following is a summary of the "Required" Classes in the investigation:

- (a) 68 groups of occupations involving hazard.
- (b) 76 groups of medical impairments.
- (c) 4 groups of women.
- (d) 2 groups of Negro risks.
- (e) 4 groups of Joint Life policies.
- (f) Sufficient data for a table of average heights and weights.
- (g) The same material as in (f), to be used in determining whether the mortality table employed as a standard in the Specialized Investigation is suitable for the present investigation.
- (h) Material sufficient for an investigation of the influence of build on longevity, with special reference to overweight and underweight.

The "Optional" Classes were as follows:

- 100 groups of occupations involving hazard.
- 23 groups of medical impairments.
- 3 groups by race—Indians, Chinese and Japanese in the United States and Canada.
- 15 groups involving habitat.

A circular letter with rules and regulations for conducting the investigation was sent out in May, 1910, to all the companies invited to participate. The letter, the rules and regulations and other general information appear in the appendix to this volume.

All the companies invited to take part in the investigation accepted, namely:

Aetna Life Insurance Company, Hartford,
Berkshire Life Insurance Company, Pittsfield,
Canada Life Assurance Company, Toronto,
Confederation Life Association, Toronto,
Connecticut General Life Insurance Company, Hartford,
Connecticut Mutual Life Insurance Company, Hartford,
Equitable Life Assurance Society, New York,
Federal Life Assurance Company, Hamilton, Ontario,
Fidelity Mutual Life Insurance Company, Philadelphia,
Germania Life Insurance Company, New York,
Great West Life Insurance Company, Winnipeg,

Home Life Insurance Company, New York,
 Imperial Life Assurance Company, Toronto,
 John Hancock Mutual Life Insurance Company, Boston,
 Life Insurance Company of Virginia, Richmond,
 London Life Insurance Company, London, Ontario,
 Manhattan Life Insurance Company, New York,
 Manufacturers Life Insurance Company, Toronto,
 Maryland Life Insurance Company, Baltimore,
 Massachusetts Mutual Life Insurance Company, Springfield,
 Metropolitan Life Insurance Company, New York,
 Michigan Mutual Life Insurance Company, Detroit,
 Mutual Benefit Life Insurance Company, Newark,
 Mutual Life Assurance Company of Canada, Waterloo, Ontario,
 Mutual Life Insurance Company, New York,
 National Life Insurance Company, Montpelier,
 New England Mutual Life Insurance Company, Boston,
 New York Life Insurance Company, New York,
 North American Life Insurance Company, Toronto,
 Northwestern Mutual Life Insurance Company, Milwaukee,
 Pacific Mutual Life Insurance Company, Los Angeles,
 Penn Mutual Life Insurance Company, Philadelphia,
 Phoenix Mutual Life Insurance Company, Hartford,
 Provident Life and Trust Company, Philadelphia,
 Provident Savings Life Assurance Society, New York,
 Prudential Insurance Company, Newark,
 Security Mutual Life Insurance Company, Binghamton,
 State Mutual Life Insurance Company, Worcester,
 Sun Life Assurance Company, Montreal,
 Travelers Insurance Company, Hartford,
 Union Central Life Insurance Company, Cincinnati,
 Union Mutual Life Insurance Company, Portland, Maine,
 United States Life Insurance Company, New York.

While all the companies would have been willing to contribute their complete data for all the classes required, several could not do so, and accordingly the Committee agreed to accept from them the data for such classes as could be obtained. The Pacific Mutual, for example, could not supply the data on many of the classes as their records had been destroyed in the San Francisco disaster. The Officers of the Provident Savings Life Assurance Society (now the Postal Life) suggested that they furnish data on Build only under policies granted in recent years on the Life and Endowment plans, and this was accepted.

PRINCIPLES AND METHODS

In the adoption of the method of carrying on the investigation the Committee had in mind four objects:

- (a) To make the preparation of the data as simple and as inexpensive to the companies as possible.
- (b) To employ a uniform method of abstracting the information from the records of the companies.

- (c) To use the most convenient and effective means of recording, sorting and tabulating the material received from the companies.
- (d) To make convenient the compilation of material for any additional investigation which the companies might desire for their own use.

To these ends, it was decided to make the investigation by policies (see Rules and Instructions); to take the duration to integral years; and to provide detailed instructions for methods of obtaining and preparing the data, so that all the companies would use the same methods.

In view of the large number of classes, and as many of the risks were in more than one class, it was decided to use the Hollerith system of perforating, sorting and tabulating cards. As this system was not generally known to the companies, the necessary instructions were formulated so that the data could be readily prepared by the companies which had no previous experience with it. Codes were constructed covering medical impairments, occupation, kind of policy, habitat, cause of death, etc., which were suitable for either a mechanical perforating system or for the older method of hand-written cards. Before preparing these codes the Committee made a study of the codes and the forms of cards of the four companies which were then using the Hollerith system, namely, the Equitable, the Penn Mutual, the New York Life and the Phoenix Mutual. The whole plan was then submitted to Mr. Hollerith, who kindly reviewed it. The companies were given the option of furnishing the data on perforated cards or on sheets similar to those used in the Specialized Investigation, the Committee undertaking to perforate cards from these sheets. A description of the method of using the perforated cards for mortality purposes is given on page 252 of Vol. XI of the Transactions of the Actuarial Society.

The Committee originally intended to take the issues of the year 1870 as the earliest material to be included in the investigation; but in view of the great changes which had taken place in the method of making medical examinations, in the manner of medical selection, in hygienic conditions surrounding the insured, and in the degree of hazard of the various occupations, it believed that it was not justified in going further back than the year 1885. It is true that there have been many changes since 1885, but a serious objection to starting at a more recent date is that there would not be a sufficient quantity of material, especially at the longer durations. The Committee believes, however, that the material taken from the business of the years 1885 to 1908 inclusive will be sufficient for the purposes of the investigation and at the same time will be substantially homogeneous with respect to the conditions referred to.

In 1885, the beginning of the period covered by the investigation, the companies contributing their experience had 97% of the total insurance in force in all old-line companies in the United States and Canada, while in the latest year to which the data were taken, they had 90% of the total insurance. It may be said therefore, that the material used in the investigation fairly represents the business of those countries.

The Committee gave special attention to obtaining homogeneous groups, the lack of homogeneity in certain classes having been a source of some criticism in the Specialized Investigation. For example, in that Investigation brewers and their employees were placed in the same occupation class; and under some of the medical impairments, such as blood-spitting, the time elapsed since the last attack and the number of attacks were not considered. In the present investigation the Committee took the view that the quantity of material now available and the facilities for handling that material justified subdivisions that could not have been made in the Specialized Investigation.

As in the Specialized Investigation, occupations treated as sub-standard were included, and cases treated as sub-standard for medical reasons were excluded. In the present investigation, however, cases treated as sub-standard by reason of family history only, were included.

The warning given in publishing the "Specialized" should be repeated, namely that in interpreting the results under impairments exclusive of family history, it must be kept in mind that the cases included were generally the best of their kind, as they were accepted by the companies on standard plans.

TERM INSURANCE

It was suggested by several companies that the mortality under Term Insurance be investigated. That question, however, had been submitted to the Actuarial Society in 1908, and after being thoroughly considered, it was not deemed expedient to make such an investigation for a few years yet. The principal reason against making the investigation was the lack of homogeneity in the data. The mortality would differ under the various kinds of Term Insurance, and the conditions under which Term Insurance was issued varied in the several companies. There are at the present time at least fifteen different forms of Term Insurance, some of them radically different from others. For example, the mortality under a 3-year term policy automatically converted into a 20-Payment Life contract at the end of three years would probably be different from that under a 10-Year Renewable Term policy. Some of the companies, by reason of an unfavorable experience under term contracts, have practiced a very stringent selection and have discouraged the business by paying a small commission to the agent, while other companies have canvassed freely for some forms of Term Insurance, even in sections of the country considered unfavorable by the majority of the companies. Furthermore, the conditions regarding Term Insurance prior to 1905 differed from those of the present time, term business being issued much more freely since the legislative investigation of 1905-1906.

PROPOSED NEW MORTALITY TABLE

It was also suggested that a new table of mortality on standard lives be prepared, which might supersede the American Experience and the Actuaries' Tables. The Committee did not see its way clear to adopt this suggestion for two reasons; in the first place, the Committee had not been appointed to perform such a work, its province being confined to an investigation of physical, occupational, and residential hazards, and hazards arising from family history, and of the effect of build upon longevity. In the second place, while authority might, perhaps, have been obtained from the Actuarial Society and the Medical Directors' Association to enlarge the scope of the investigation and to include therein the preparation of a new table of mortality, the Committee considered that the work which it had been charged to perform was so novel and far-reaching and of such great importance that it could best be performed separately. On the other hand, it is believed that the preparation of a new mortality table is a work of such importance that it should be carried on independently of, and unhampered by any other work. The Committee came very readily to this view, because it has not been demonstrated that the continued use of the American Experience table for the calculation of premiums and reserves necessarily creates inequities, or increases the cost of insurance to individual policyholders.

While it is undoubtedly true that the American Experience table shows on the average a higher death rate than that generally experienced by life insurance companies, it does not follow that a new table showing a lower death rate would produce lower policy reserves, and it is unnecessary to remind readers of this Report that under participating policies it is the actual death rate, and not the rate called for by the mortality table, which determines the cost of insurance to the policyholders.

CENTRAL BUREAU

To carry on the work of compiling, tabulating and recording the data, and to assist the companies, a Central Bureau was established with headquarters in New York City.

The material for the investigation was furnished by the companies in four ways:

1. Policy and Build sheets.
2. Hand-written cards.
3. Perforated cards.
4. "Exposed to Risk" sheets.

The earlier work of the Bureau consisted largely in advising the companies as to the best methods for abstracting their data and in interpreting the rules and instructions. The Bureau also assisted companies in planning more extensive investigations of their own experience and making arrangements for future investigations. Several companies decided it would be an opportune time to prepare the data for a general investigation of their entire business.

TABLE OF HEIGHT AND WEIGHT

In looking over the literature on anthropometrics one is struck with the dearth of reliable statistics that may be safely used for insurance work, regarding the relation of height to weight of both men and women. There are considerable data on children, on college men, and on soldiers; but none of these give a basis of comparison with insured lives, with the possible exception of the data on soldiers, and in that case the average age of the soldiers at the time of their enlistment is distinctly less than the average age at entrance of insured lives.

In 1836 Quetelet gave a table of the average height and the average weight at ages 20, 30, 40, 50 and 60 for a number of Belgian men and women. Thus at age 20 the average height of men was 5 feet 7 $\frac{1}{4}$ inches, and the average weight was 143 pounds. In 1846 Dr. Hutchinson published a table of the average weights by inches in height, at the average age of 30, the statistics being based on 2,650 Englishmen "in prime of life, capable of and accustomed to use great muscular exertion." In 1880 T. B. Macaulay gave a table (J. I. A. Vol. XXIII) of the average weight at various heights of 2,000 insured lives in a Canadian company. He recognized that the influence of age on weight was considerable, but did not have sufficient statistics to justify the preparation of a table of height and weight at each age. In 1885 Dr. Foster, Medical Director of the Union Mutual Life Insurance Company of Portland, Maine, published a pamphlet (commented on in J. I. A. Vol. XXV) giving the average weight by inches in height of Insured who died in the eight years ending December 31st, 1882, but there was no distinction by age. A comparison of the figures obtained by Messrs. Quetelet, Hutchinson, Macaulay and Foster will not be made, because the statistics are few and the results are of academic interest only.

In addition to these writers, Roberts gave a large amount of valuable information based on data collected by the Interdepartmental Committee of the British Government on Physical Deterioration. He gives the average weight at various heights for individual ages below 23, and then for ages 23 to 50 combined, but for insurance companies the statistics by individual ages or in quinquennial groups of ages are required. The first table based on a considerable volume of statistics, which took account of the ages, was prepared by the Medical Directors' Association in 1897 and is known as the Shepherd table. It was based on 74,162 male applicants accepted for life insurance in the United States and Canada. In 1900 the National Fraternal Congress published a similar table of height and weight according to age, based on 133,940 persons insured in fraternal orders in the United States and Canada. In 1908 the Assicurazioni Generali, an Austrian company, published its statistics of heights and weights of men insured at the regular rates of premium. Recently a number of German companies have combined their statistics of heights and weights of men insured at the regular rates of premium, but these statistics have not yet been published.

In view of the dearth of statistics of heights and weights, and to confirm the statistics now used by life insurance companies, the Committee having in charge the Medico-Actuarial Investigation decided to prepare new tables for women, as well as for men, based on the experience of insurance companies in the United States and Canada. For this purpose the Committee called for a record of all cases on standard lives (policies granted at regular rates of premium) in the United States and Canada issued during January of the odd years and July of the even years, 1885 to 1900 inclusive. The recorded height was taken to the nearest inch: in even years of issue half inches were disregarded and in odd years of issue were taken as one inch.

It should be observed that, generally speaking, applicants for insurance are in their ordinary street costume when weighed, overcoats, however, being removed and sometimes coats. This, of course, makes a difference in the weight according to the season of the year, the weight of

the clothing of a man or a woman in winter being about five or six pounds more than in summer in the Northern sections of the United States, with a smaller variation in the Southern sections. Furthermore, the heat of the summer is apt to reduce the actual weight below that of the winter. The desire to obtain averages which did not differentiate by season or by section of country, led to the choice of January and July issues as already explained. The table based on such data must not be considered therefore as applicable to any particular season of the year or to any particular section of the country and accordingly due allowance should be made when making comparison with other data on a less comprehensive basis.

METHOD OF RECORDING DATA

The companies supplied the data to the Central Bureau on build sheets, hand-written cards, or perforated cards, and the first work of the Central Bureau staff was to prepare perforated cards for all cases supplied on build sheets or on hand-written cards. The perforated cards were divided according to the sex of the insured, then sorted by individual ages and subdivided by inches in height. The number in each group and the aggregate weight of the group were then obtained by means of a tabulating machine, and the average weight in each group was calculated. The results of this process will now be given, dealing with men and women separately.

MEN

There were received from the companies the necessary records for 221,819 policies issued on the lives of men.

Table I gives the number entering for each inch in height subdivided into groups for each age at entry, with the aggregate weight and the average weight for each such group. These groups are combined in Table II into quinquennial groups of ages at entry for each inch in height from 4 feet 11 inches to 6 feet 4 inches inclusive.

It will be noticed that the average weight in each of the five-age groups, with one exception, is greater at 5 feet than at 5 feet 1 inch; also that the number of men 5 feet in height is nearly as great as those 5 feet 1 inch, whereas the number at 5 feet 1 inch is only about one-third of the number at 5 feet 2 inches. This irregularity may be due to the height being recorded as 5 feet in a number of cases when it should have been 5 feet and some inches, the inches in height probably being omitted either by the medical examiner in his report or by the clerks in transcribing the record.

GRADUATION

In Table II there are irregularities, other than those just referred to, which are probably natural deviations due to small numbers in the groups. It was therefore deemed advisable to graduate these values. This graduation, when completed, was tested by three processes: (1) the average weights for wider groups of ages than five years were calculated, from which values intermediate to the central ages were interpolated; (2) the average weights for each successive three inches in height (thus 5-1, 5-2, 5-3 combined) were calculated for quinquennial age groups and the values for other heights than the central were interpolated; (3) the average weights from Table II were placed on the usual cross-ruled paper, lines were then drawn between the points, and smooth curves were superimposed by a graphic process.

In deriving the graded values the average weights at 5 feet were not used because they were considered erroneous, and those below that height and above 6 feet 3 inches were omitted because of paucity of data.

The graded average weights for quinquennial age groups are given in Table III. In the preparation thereof the average increase in weight for each quinquennial addition to age, given in the following table, was used as a guide.

MEN
INCREASE IN WEIGHT IN POUNDS FOR EACH
FIVE-AGE GROUP

Age Group	Number	Aggregate Weight	Average Weight	Increase in weight in pounds for each five-age group
15-19	5227	726170	138.9	. .
20-24	34293	5082381	148.2	9.3
25-29	49709	7585199	152.6	4.4
30-34	46299	7254884	156.7	4.1
35-39	36217	5799329	160.1	3.4
40-44	23941	3883682	162.2	2.1
45-49	13700	2252252	164.4	2.2
50-54	7406	1225947	165.5	1.1
55-59	3609	596544	165.3	— .2
60-64	1144	189068	165.3	.0
65-84	265	43994	166.0	.7
55-84	5018	829606	165.3	

A significant feature of the above table is that there is no marked increase or decrease in the average weight above age 50, the average for ages 50-54 being 165.5 pounds and for ages 55 to 84 being 165.3 pounds.

In Table IV are given the graded weights for all ages from 15 to 55 inclusive at each inch in height from 5 feet to 6 feet 5 inches inclusive. The table has not been carried beyond age 55 for the reasons which have just been given. These values in Table IV were derived by interpolation from the graded weights in Table III, making allowance in this process for the distribution of the statistics at each age. Thus, the middle age of the quinquennial group 15 to 19 is 17, but the average is 18.1 when allowance is made for the weight of statistics at each age. The following table gives the average age for each of the quinquennial groups:

BUILD—MEN

Age at Entry	Number	Average Age	Age at Entry	Number	Average Age
15	139	..	45	3497	..
16	359	..	46	3081	..
17	732	18.1	47	2631	46.7
18	1581	..	48	2449	..
19	2416	..	49	2042	..
20	3667	..	50	2099	..
21	6232	..	51	1562	..
22	7320	22.4	52	1424	51.7
23	8158	..	53	1199	..
24	8916	..	54	1122	..
25	9705	..	55	1009	..
26	9900	..	56	836	..
27	9904	27.0	57	678	56.7
28	10269	..	58	572	..
29	9931	..	59	514	..
30	10184	..	60	465	..
31	9568	..	61	217	..
32	9161	31.9	62	197	61.3
33	8991	..	63	162	..
34	8395	..	64	103	..
35	8130	..	65	104	..
36	7799	..	66	61	..
37	7155	36.9	67	35	66.1
38	6901	..	68	26	..
39	6232	..	69	17	..
40	6167	..			
41	5138	..			
42	4737	41.8			
43	4065	..			
44	3834	..			

Attention is drawn to the extension of Table IV down to age 15. The rough data show marked variation in the average weight under each inch in height at age 15, less variation at ages 16 and 17, and regular results at age 18. While the table has been carried for convenience to age 15, it should be borne in mind that there may be considerable differences in weight at the early ages because of the different periods at which boys reach maturity.

OBSERVATIONS ON TABLE OF GRADED WEIGHTS

To assist in the study of the table of the graded average weights (Table III) schedules have been prepared, showing (a) the increase in average weight in each age group for each inch of additional height, and (b) the increase in average weight in each height group from one age group to the next.

BUILD—MEN

INCREASE IN POUNDS IN AVERAGE WEIGHT FOR EACH INCH IN HEIGHT

Age Group	5 Feet Inches												6 Feet Inches					
	0	1	2	3	4	5	6	7	8	9	10	11	0	1	2	3	4	5
15-19	2	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5
20-24	2	3	3	4	4	4	3	4	4	4	4	5	5	5	5	5	5	5
25-29	2	2	3	3	4	4	4	4	4	4	5	6	6	6	6	5	5	5
30-34	2	2	3	3	4	4	4	5	4	5	5	6	6	6	6	6	5	5
35-39	2	2	3	4	4	4	4	5	5	5	5	6	6	7	6	6	6	6
40-44	2	2	3	3	4	4	4	5	5	5	6	6	6	7	7	7	6	6
45-49	2	2	3	3	4	4	4	5	5	5	6	6	7	7	7	7	6	6
Over 49	2	2	3	3	4	4	5	5	5	5	5	6	7	7	7	7	7	7

ADDITIONAL WEIGHT IN POUNDS FOR EACH FIVE-AGE GROUP

Age Group	5 Feet Inches												6 Feet Inches					
	0	1	2	3	4	5	6	7	8	9	10	11	0	1	2	3	4	5
15-19																		
20-24	6	6	6	6	7	7	7	6	6	6	6	5	5	5	5	5	5	5
25-29	5	5	4	4	3	3	3	4	4	4	4	5	6	7	8	9	9	9
30-34	3	3	3	3	3	3	3	3	4	4	5	5	5	5	5	5	6	6
35-39	2	2	2	2	3	3	3	3	3	4	4	4	4	4	5	5	5	6
40-44	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	4	5	5
45-49	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3
Over 49	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2

The first of the two tables above shows that a man's weight at 5 feet increases 2 pounds and at 6 feet increases 6 pounds on the average for one inch in height. The increase for each inch in height reaches a maximum of 5 pounds at the youngest ages and 7 pounds at the oldest ages.

The second table indicates that men of less than average height have their greatest increase in weight in passing from boyhood to manhood, and that the increase diminishes with advancing age. The period in which the taller men have on the average their largest addition to weight is postponed, the tallest men showing their greatest increase in weight between ages 23 to 27, instead of from 18 to 22.

. EFFECT OF ESTIMATING WEIGHTS

In tabulating the data it was noticed that the weight of the majority of the applicants was recorded with a figure ending in 0 or in 5. In order that this may be seen at a glance, a tabulation has been made of all the entrants at 5 feet 8 inches consisting of 37,544 policies issued on the lives of men, in accordance with the last integral figure in the weight, the unit column; thus, 120, 130, 140, 150, 160 and so on, would be tabulated under 0.

Unit Figure in Weight	Number of Entrants	Ratio to Total
0	12224	33%
1	815	2
2	2360	6
3	1638	5
4	1626	4
5	10540	28
6	2097	6
7	1909	5
8	3463	9
9	872	2

If each applicant were carefully weighed and the correct weight given, there would be 10% approximately at each unit figure in the weight, and as 61% of the cases appear with the unit 0 or 5, it would seem that in over 40%, or two-fifths of the cases, the weights were estimated. In the opinion of the Committee, this fact does not diminish the value of the statistics for insurance purposes.

The Committee desires to draw attention to the wide range of weights of individuals which make up the average weight and to the large number at each weight over a considerable range. It has accordingly prepared Table V giving the numbers and the aggregate weight for five-pound groups under quinquennial groups of ages for each inch in height. Experiments were made at first with subdivisions by ten-pound groups, from 130 to 139, 140 to 149, etc., and it was noticed that the average weight in these groups was about 133, 143, etc., due to the large percentage of estimated weights. In the tabulation of the weights the groups by five pounds were as follows:

123	124	125	126	127—central weight, 125
128	129	130	131	132—central weight, 130
133	134	135	136	137—central weight, 135

and so on.

The average weight was found to agree closely with the central weight except in the small groups.

As examples of the wide range in weights at a given age and height the following schedule has been prepared for the decennial age group 20 to 29, height 5 feet 4 inches, decennial age groups 30 to 39 and 40 to 49, height 5 feet 8 inches, and the quinquennial age group 45 to 49, height 5 feet 10 inches.

BUILD—MEN

Ages 20-29 Height 5 feet 4 inches			Ages 30-39 Height 5 feet 8 inches		
Weight Group	Number	Ratio to Total	Weight Group	Number	Ratio to Total
Below 108	13	.5	Below 123	99	.7
108-112	49	2.0	123-127	259	1.9
113-117	133	5.5	128-132	602	4.3
118-122	288	11.9	133-137	1238	8.9
123-127	377	15.6	138-142	1574	11.3
128-132	412	17.0	143-147	1558	11.2
133-137	393	16.2	148-152	1770	12.7
138-142	292	12.0	153-157	1270	9.1
143-147	173	7.1	158-162	1350	9.7
148-152	129	5.3	163-167	1022	7.4
153-157	61	2.5	168-172	842	6.1
158-162	52	2.2	173-177	681	4.9
Above 162	53	2.2	178-182	507	3.6
Total	2425	100.0	183-187	342	2.5
			188-192	270	1.9
			Above 192	524	3.8
			Total	13908	100.0
Average Weight 133 pounds			Average Weight 155 pounds		

Ages 40-49 Height 5 feet 8 inches			Ages 45-49 Height 5 feet 10 inches		
Weight Group	Number	Ratio to Total	Weight Group	Number	Ratio to Total
Below 123	39	.6	Below 133	26	1.3
123-127	106	1.6	133-137	42	2.0
128-132	229	3.6	138-142	84	4.0
133-137	384	6.0	143-147	137	6.6
138-142	609	9.4	148-152	195	9.3
143-147	612	9.5	153-157	142	6.8
148-152	732	11.4	158-162	188	9.0
153-157	574	8.9	163-167	194	9.3
158-162	627	9.7	168-172	166	7.9
163-167	528	8.2	173-177	174	8.3
168-172	418	6.5	178-182	146	7.0
173-177	452	7.0	183-187	132	6.3
178-182	329	5.1	188-192	116	5.6
183-187	260	4.0	193-197	76	3.6
188-192	182	2.8	198-202	106	5.1
Above 192	365	5.7	203-207	38	1.8
Total	6446	100.0	208-212	36	1.7
			Above 212	92	4.4
			Total	2090	100.0
Average Weight 159 pounds			Average Weight 171 pounds		

The average weight in the age group 30 to 39 is 155 pounds, yet the number of policies issued on the lives of men in the weight group 153-157 is only 9.1% of the total, and this is not as great as the number of policies issued on the lives of men in any of the other five-pound

groups from 138 pounds to 162 pounds. As a similar condition exists in the decennial age group 40 to 49 at the same height and in the other exhibits, it is probable that a *normal* weight for any age and height may vary considerably from the *average* weight for that age and height. The word normal is used in the sense of typical of the group.

While the tables of average weight are of great value they must be used with judgment, and it must always be borne in mind that a large percentage of men will differ considerably from the average in weight, and yet be as true to type as those of exactly the average weight. In this connection it may be well to repeat that the types represented in any weight group may vary from the weight in summer clothing in a Southern state to the weight in winter clothing in Canada.

The Committee wishes to state that those at the average weight may not have the lowest mortality. An investigation is in progress to determine the influence of build on longevity.

If a series of curves based on the figures in Table V and showing the ratio of the number of men in each five-pound group to the total were prepared the curves would be steep at either end but would be flat over a wide range of weight values.

COMPARISON WITH OTHER TABLES

As already stated the two principal tables of height and weight in use in the United States and Canada are the table prepared by the Medical Directors' Association (1897) and that prepared by the National Fraternal Congress (1901). A comparison is now given with these two tables, the former being designated as M.D.A., the latter as N.F.C. and the present Medico-Actuarial Table as M. A. The last mentioned is based on more data than were included in the other two tables combined.

BUILD—MEN

COMPARISON OF AVERAGE WEIGHTS WITH THOSE OF THE MEDICAL DIRECTORS' ASSOCIATION TABLE AND OF THE NATIONAL FRATERNAL CONGRESS TABLE

AGE	5 Feet			5 Feet 1 Inch			5 Feet 2 Inches			5 Feet 3 Inches		
	M.D.A.	M.A.	N.F.C.	M.D.A.	M.A.	N.F.C.	M.D.A.	M.A.	N.F.C.	M.D.A.	M.A.	N.F.C.
25-29	125	124	125	126	126	126	128	128	128	131	131	131
30-34	128	127	128	129	129	129	131	131	131	134	134	134
35-39	131	129	131	131	131	132	133	133	134	136	136	137
40-44	133	132	133	134	134	134	136	136	136	139	139	139
45-49	134	134	134	136	136	136	138	138	138	141	141	141
50 and over	134	135	134	136	137	136	138	139	138	141	142	141
	5 Feet 4 Inches			5 Feet 5 Inches			5 Feet 6 Inches			5 Feet 7 Inches		
25-29	135	134	135	138	138	138	142	142	142	147	146	146
30-34	138	137	137	141	141	141	145	145	145	150	149	150
35-39	140	140	140	143	144	143	147	148	147	152	152	152
40-44	143	142	142	146	146	146	150	150	150	155	154	155
45-49	144	144	144	147	148	147	151	152	151	156	156	156
50 and over	145	145	145	149	149	149	153	153	153	158	158	158
	5 Feet 8 Inches			5 Feet 9 Inches			5 Feet 10 Inches			5 Feet 11 Inches		
25-29	151	150	151	155	154	155	159	158	159	164	163	164
30-34	154	154	154	159	158	159	164	163	164	169	168	169
35-39	157	157	157	162	162	162	167	167	167	173	172	173
40-44	160	159	160	165	164	165	170	169	170	175	175	175
45-49	161	161	161	166	166	166	171	171	171	177	177	177
50 and over	163	163	163	167	168	167	173	173	172	178	178	177
	6 Feet			6 Feet 1 Inch			6 Feet 2 Inches			6 Feet 3 Inches		
25-29	170	169	170	177	175	177	184	181	184	190	187	190
30-34	175	174	175	181	180	181	188	186	188	195	192	195
35-39	179	178	179	185	184	185	192	191	192	200	197	200
40-44	180	181	180	186	187	186	194	194	194	203	201	203
45-49	183	183	183	189	190	190	196	197	198	204	204	204
50 and over	183	184	182	188	191	188	194	198	194	201	205	201

There is a great similarity between the three standards, the variation being not more than one pound except at 6 feet and over. This is surprising, as the three tables were prepared without reference to each other and from different data, with the exception that a small part of the statistics in the M.D.A. table appear also in the M.A. table. There seems no doubt that the new table represents accurately the average weight of individuals who are accepted for insurance at the regular rates of premium in the United States and Canada.

PRACTICE OF COMPANIES OF OTHER COUNTRIES

Through the courtesy of Mr. J. J. McLauchlan, Honorary Secretary of the Associated Scottish Life Offices, Edinburgh, the practice of the Scottish Offices with regard to their Standard Tables of Heights and Weights was obtained. The tables generally used are those of Drs.

Hutchinson, Robertson, Hall or Sieveking, the tables of the two last mentioned being based on the statistics of Hutchinson. In addition to these British Tables, the statistics of the Medical Directors' Association (data of 1897) are used in the form prepared by Dr. O. H. Rogers and by D. H. Wells. The Table of Weights (Weight C) given in the Specialized Investigation is also employed by one or more of the Scottish companies. There were 14 companies which used Dr. Robertson's or Dr. Hutchinson's Tables in some form or other, and 7 which employed one or other of the American Tables.

None of the British Tables takes account of age, and a comparison cannot be made with the new table, as the average ages may differ widely.

The practice of the English companies is similar to that of the Scottish Offices, there being no published table, based on British Insurance experience, in existence.

It has been recognized for many years that the average weight for a particular height varied with the age; but the difference of weight standard according to nationality has not been so generally observed. In order to bring out this latter difference an effort has been made to obtain reliable statistics for other countries than the United States.

Through the courtesy of Dr. Lind, Chairman of the Committee of the German companies, and of Prof. George Bohlman, valuable information has been obtained regarding the new German experience. There were 47 companies included in that investigation, of which 8 were foreign, and they contributed their material on their German business only. The total number of cards represented 418,090 people, the tables of heights and weights being based on about 60,000 of both sexes.

It is interesting to compare the German table for men with the new table and also with the table of the Assicurazioni Generali of Austria to which reference has already been made. With the exception of these two experiences the Committee has not found any European statistics which are based on insured lives and take account of age. A brief comparison is now given with the German and the Austrian tables:

COMPARISON OF AVERAGE WEIGHT IN POUNDS

MEDICO-ACTUARIAL, M. A.—COMBINED GERMAN COMPANIES (UNADJUSTED), C. G. C.—ASSICURAZIONI GENERALI (AUSTRIAN), A. G.

Height FT. IN.	Ages 20-24			Ages 30-34			Ages 40-49		
	M.A.	C.G.C.	A.G.	M.A.	C.G.C.	A.G.	M.A.	C.G.C.	A.G.
5- 2.....	124	139	132	131	148	143	137	152	149
5- 6.....	139	152	150	145	162	159	151	167	166
5-10.....	154	165	161	163	177	176	170	182	188
6- 2.....	173	173	...	186	189	...	196	196	217

Assuming the Medico-Actuarial Table as the standard, the following are the percentages for the other tables:

Height FT. IN.	Ages 20-24		Ages 30-34		Ages 40-49	
	C.G.C.	A.G.	C.G.C.	A.G.	C.G.C.	A.G.
5- 2.....	112%	106%	113%	109%	111%	109%
5- 6.....	109	108	112	110	111	110
5-10.....	107	105	109	108	107	111
6- 2.....	100	...	102	...	100	111

The average weights of the insured in the Combined German Companies are comparatively close to those in the Assicurazioni Generali, while those of the Medico-Actuarial data differ materially from both. Excluding the extremes both of height and age, the average weight

of the German insured is about 10% higher than that of the insured in the United States and Canada. The smaller the stature of the German the more does he exceed in average weight the American.

The Committee has been given access to unpublished statistics of insured lives in Japan, from which it appears that the average weight in that country is lower than the average weight in the United States for the same height and age. It appears from the statistics obtained by the Committee that the average weight in one country may not be applicable in other countries especially where there is a difference in race.

AVERAGE HEIGHT OF MEN

While it is not a part of this investigation, it is of scientific interest to learn the average height of men in the United States and Canada. A calculation was made from the statistics of the average height of the insured, which from the following table may be seen to be slightly over 5 feet 8½ inches.

AVERAGE HEIGHT OF MEN

Height	Number	Percentage of Total	Aggregate Height in Inches
4-5	1	..	53
4-6	..	..	..
4-7	4	..	220
4-8	5	..	280
4-9	17	..	969
4-10	19	..	1102
4-11	38	..	2242
5-0	396	.2	23760
5-1	441	.2	26901
5-2	1198	.5	74276
5-3	2625	1.2	165375
5-4	6591	3.0	421824
5-5	12130	5.5	788450
5-6	22057	9.9	1455762
5-7	28086	12.7	1881762
5-8	37544	16.9	2552992
5-9	32248	14.5	2225112
5-10	32718	14.7	2290260
5-11	23014	10.4	1633994
6-0	14585	6.6	1050120
6-1	4783	2.2	349159
6-2	2342	1.1	173308
6-3	669	.3	50175
6-4	229	.1	17404
6-5	53	..	4081
6-6	17	..	1326
6-7	3	..	237
6-8	3	..	240
6-9	2	..	162
6-10	..	..	..
6-11	1	..	83
Total	221819		15191629

Average Height 5 feet 8½ inches

It must be distinctly understood that these men were measured in their shoes and due care must be taken when comparing with other than insurance statistics to see that they are on the same basis, as, for instance, the usual custom in the army is to take the height of men without shoes.

It is frequently asserted that the average height is increasing but we have no means of determining that point. The only available statistics for comparison are those of the American soldiers in the Civil War. Their average height is given by G. A. Gould according to country of birth, from which it appears that those born in America were the tallest, the average height of 753,666 soldiers at age 21 and over being about 5 feet 8 inches. As these men were measured in their stocking feet their average height is practically the same as the Insured in the present investigation.

WOMEN

It is generally recognized that the average weight of women is not the same as that of men of the same height, and the Committee decided to prepare a table of height and weight for women as well as for men. In the issues of January of the odd years and July of the even years, 1885 to 1900 inclusive, there were about 10,000 on the lives of women. As this was too small a number on which to base a table of height and weight, four companies kindly assisted the Committee by giving their data on the following number of policies issued on the lives of women, the year of issue being generally subsequent to 1900.

Equitable.....	10,000
Prudential.....	10,000
Mutual Life.....	20,000
New York Life.....	86,000

This enabled the Committee to base the statistics on 136,504 policies issued on the lives of women. The treatment of the statistics on women has been the same as of those on men, tables having been prepared of the following:

1. Number of policies issued on the lives of women, aggregate weight and average weight at each age for each inch in height.
2. Same information as in (1), but for quinquennial groups of ages.
3. Graded average weight for quinquennial groups of ages according to each inch in height from 4 feet 8 inches to 6 feet.
4. Same as in (3), but for individual ages.
5. Number of policies issued on the lives of women, and aggregate weight for each inch in height in quinquennial age groups by five-pound groups of weight.

The foregoing appear in Tables VI, VII, VIII, IX and X.

The regularity of the increase in average weight at 4 feet 11 inches, 5 feet, and 5 feet 1 inch (Table VI) leads to the belief that there are no material errors in the average weight for women at 5 feet such as were noticed in the case of men.

Before grading the data the following schedule was prepared showing the increase in weight for each consecutive five-age group:

WOMEN
INCREASE IN WEIGHT IN POUNDS FOR EACH FIVE-AGE GROUP

Age Group	Number	Aggregate Weight	Average Weight	Increase in weight in pounds for each five-age group
15-19	4596	570188	124.1	...
20-24	22187	2837446	127.9	3.8
25-29	31300	4084088	130.5	2.6
30-34	28251	3784089	133.9	3.4
35-39	21391	2939572	137.4	3.5
40-44	13406	1886537	140.7	3.3
45-49	8117	1161774	143.1	2.4
50-54	4570	662704	145.0	1.9
55-59	1995	289318	145.0	.0
60-64	576	82878	143.9	-1.1
65-74	112	15476	138.2	-5.7

The most noticeable feature of this table is the decrease in weight above age group 55-59. As the data were not sufficient to determine the extent of this decrease at the various heights and as women at age 55 and over were only 2% of the total, it was deemed advisable to consider the average weight as constant at ages 55 and above.

In order to see the effects on weight of increasing height and also of advancing age, the following schedule has been prepared showing:

- (a) The increase in average weight in each age group for each inch of additional height.
- (b) The increase in average weight in each height group from one age group to the next.

BUILD—WOMEN
INCREASE IN POUNDS IN AVERAGE WEIGHT FOR EACH INCH IN HEIGHT

Age Group	4 Feet Inches				5 Feet Inches											6 Feet Inches	
	8	9	10	11	0	1	2	3	4	5	6	7	8	9	10	11	0
15-19	2	2	2	2	2	3	3	3	3	4	4	4	3	4	5	5	..
20-24	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	..
25-29	2	2	2	2	2	2	3	4	3	4	4	4	4	4	3	4	..
30-34	2	2	2	2	2	2	3	4	4	4	4	4	4	3	3	4	..
35-39	2	2	2	2	2	2	3	3	4	4	4	4	4	3	3	3	..
40-44	2	2	2	2	2	2	3	3	3	4	4	4	4	3	4	3	..
45-49	2	2	2	2	2	2	3	3	3	4	5	4	4	3	4	3	..
50-54	2	2	2	2	2	2	3	3	3	4	4	5	5	4	4	4	..

ADDITIONAL WEIGHT IN POUNDS FOR EACH FIVE-AGE GROUP

Age Group	4 Feet Inches				5 Feet Inches											6 Feet Inches	
	8	9	10	11	0	1	2	3	4	5	6	7	8	9	10	11	0
15-19	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	2
20-24	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	2	2
25-29	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3
30-34	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3
35-39	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4	4
40-44	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
45-49	2	2	2	2	2	2	2	2	2	2	1	2	3	3	4	4	4
50-54																	

The taller women increase in weight for each inch of increase in height to a greater extent than the shorter women but not to the same degree as men. The increase in weight of women with age is very uniform, the increase from one quinquennial age group to that succeeding being between 3 and 4 pounds irrespective of whether the women are 4 feet 8 inches or 6 feet.

The same wide range of the insured by five-pound groups is seen in the statistics of women as was noticed in those of men. For example, the average weight at ages 30-39 of women 5 feet 4 inches is 133 pounds, yet the groups 118-122 pounds and 123-127 pounds contain more women than the two groups nearest the average weight 128-132 and 133-137 pounds. In the following schedules appear two examples showing the distribution of women by weight (five-pound groups).

BUILD—WOMEN

Ages 30-39 Height 5 Feet 4 Inches			Ages 40-49 Height 5 Feet 4 Inches		
Weight Group	Number	Ratio to Total	Weight Group	Number	Ratio to Total
Below 103	108	1.2	Below 103	33	.8
103-107	227	2.5	103-107	44	1.1
108-112	569	6.2	108-112	127	3.2
113-117	643	7.0	113-117	160	4.0
118-122	1085	11.8	118-122	368	9.2
123-127	1141	12.4	123-127	393	9.8
128-132	1026	11.2	128-132	421	10.5
133-137	1050	11.4	133-137	400	10.0
138-142	894	9.7	138-142	424	10.6
143-147	513	5.6	143-147	309	7.7
148-152	644	7.0	148-152	362	9.0
153-157	314	3.4	153-157	205	5.1
158-162	388	4.2	158-162	257	6.4
163-167	209	2.3	163-167	175	4.4
168-172	162	1.8	168-172	139	3.5
Above 172	219	2.4	173-177	96	2.4
Total	9192		178-182	44	1.1
Average Weight 133 pounds			Above 182	57	1.4
			Total	4014	
			Average Weight 140 pounds		

COMPARISON BETWEEN WEIGHTS OF MEN AND WOMEN

To bring out clearly the difference in the graduated average weight between men and women of the same height and age, a table has been prepared at 5 feet, 5 feet 4 inches, 5 feet 8 inches and 6 feet for four quinquennial age groups and for ages 55 and over. It is as follows:

COMPARISON OF AVERAGE WEIGHT OF MEN AND WOMEN

Age Group	5 Feet			5 Feet 4 Inches		
	Men	Women	Diff.	Men	Women	Diff.
15-19	113	112	1	124	123	1
25-29	124	118	6	134	129	5
35-39	129	124	5	140	136	4
45-49	134	131	3	144	142	2
55 and over	135	133	2	145	144	1
	5 Feet 8 Inches			6 Feet		
	Men	Women	Diff.	Men	Women	Diff.
15-19	140	138	2	158	155	3
25-29	150	144	6	169	159	10
35-39	157	152	5	178	165	13
45-49	161	159	2	183	173	10
55 and over	163	163	0	184	177	7

The foregoing table indicates that the difference in weight between men and women of the same height is slight below age 20, but above that age young men are distinctly heavier than young women, the difference becoming less marked as they grow older. The tall women are markedly lighter than men of the same height. By noting the increase in weight by age it will be seen that, after a woman has become of age she increases in weight more rapidly than a man—thus the increase in weight between the quinquennial age groups 25-29 and 45-49 is 10 pounds for men and 13 pounds for women at 5 feet 4 inches and 11 pounds for men and 15 pounds for women at 5 feet 8 inches.

To determine whether the increase in pounds for each increase of an inch in height is greater or less for men than for women the following table is presented. It is based on the ungraded statistics, so as to preserve the characteristics of the original data, but no groups have been given where there are less than 100 policies; the statistics at 5 feet for men have been excluded for reasons already given.

AVERAGE WEIGHTS FROM ORIGINAL STATISTICS FOR EACH INCH IN HEIGHT FOR ALL AGES COMBINED EXCLUDING GROUPS WHERE THERE ARE LESS THAN 100 POLICIES AND EXCLUDING POLICIES ISSUED ON THE LIVES OF MEN 5 FEET IN HEIGHT

Height	Men	Increase in lbs. for each inch in height	Women	Increase in lbs. for each inch in height
4-8	..	..	112	..
4-9	..	..	116	4
4-10	..	..	118	2
4-11	..	..	120	2
5-0	..	..	122	2
5-1	129	..	124	2
5-2	131	2	126	2
5-3	133	2	129	3
5-4	137	4	132	3
5-5	141	4	136	4
5-6	145	4	140	4
5-7	149	4	144	4
5-8	153	4	148	4
5-9	157	4	152	4
5-10	162	5	156	4
5-11	168	6	159	3
6-0	174	6	162	3
6-1	180	6	..	..
6-2	186	6	..	..
6-3	191	5	..	..
6-4	200	9	..	..

The foregoing exhibit shows that when all ages are combined, the increase in pounds for each increase of an inch in height among men is practically the same as among women except among tall persons.

The Committee has been unable to find any statistics on women with which to compare the average weights in the present investigation with the exception of those of Dr. Rogers and Dr. Weisse (published in the Transactions of the Medical Directors' Association) which are largely based on the same material.

AVERAGE HEIGHT OF WOMEN

As may be seen from the following table, the average height of insured women of the United States and Canada, taken in their shoes, was 5 feet $4\frac{1}{4}$ inches.

AVERAGE HEIGHT OF WOMEN

Height	Number	Percentage of Total	Aggregate Height in Inches
3-11	1	..	47
4-0	2	..	96
4-1	6	..	294
4-2	12	..	600
4-3	7	..	357
4-4	13	..	676
4-5	19	..	1007
4-6	19	..	1026
4-7	19	..	1045
4-8	68	..	3808
4-9	202	.1	11514
4-10	586	.4	33988
4-11	1305	1.0	76995
5-0	5459	4.0	327540
5-1	7517	5.5	458537
5-2	14654	10.7	908548
5-3	18375	13.5	1157625
5-4	25105	18.4	1606720
5-5	22798	16.7	1481870
5-6	18236	13.4	1203576
5-7	11384	8.3	762728
5-8	6591	4.8	448188
5-9	2508	1.8	173052
5-10	1072	.8	75040
5-11	385	.3	27335
6-0	130	.1	9360
6-1	17	..	1241
6-2	8	..	592
6-3	4	..	300
6-4	1	..	76
6-5	1	..	77
Total	136504		8773858

Average Height 5 feet $4\frac{1}{4}$ Inches.

TABLE I
BUILD—MEN

Age	4 Feet 5 Inches			4 Feet 6 Inches			4 Feet 7 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15	..	..	..	..	..	..	3	247	82
19	..	..	..	..	..	..	1	138	138
29	1	98	98	..	..	..	..	..	..

Age	4 Feet 8 Inches			4 Feet 9 Inches			4 Feet 10 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
14	..	..	..	1	82	82	..	..	..
15	1	88	88	3	259	86	4	326	82
16	1	85	85	1	84	84	3	245	82
17	..	..	..	1	92	92	1	115	115
18	..	..	..	2	226	113	..	..	..
19	1	96	96	..	..	..	..	..	..
20	..	..	..	1	132	132	..	..	..
23	..	..	..	..	..	..	1	82	82
25	..	..	..	..	..	..	1	103	103
26	..	..	..	2	233	117	1	147	147
29	..	..	..	1	100	100	1	123	123
30	1	125	125	..	..	..	1	122	122
32	..	..	..	..	..	..	1	132	132
35	..	..	..	2	238	119	..	..	..
39	..	..	..	..	..	..	1	111	111
41	..	..	..	1	90	90	..	..	..
42	..	..	..	1	123	123	..	..	..
44	..	..	..	1	158	158	1	140	140
45	1	128	128	..	..	..	..	..	..
50	..	..	..	..	..	..	1	120	120
53	..	..	..	..	..	..	2	301	151

TABLE I (Continued)

BUILD—MEN

Age	4 Feet 11 Inches			5 Feet			5 Feet 1 Inch		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10	..	..	..	..	..	..	..	..	..
13	1	72	72	..	..	..	1	86	86
14	..	..	..	1	96	96	..	..	..
15	2	173	87	8	790	99	11	1132	103
16	4	389	97	11	1101	100	17	1772	104
17	3	317	106	7	748	107	12	1250	104
18	..	..	..	9	1097	122	4	413	103
19	..	..	..	9	1131	126	9	1071	119
20	..	..	..	14	1810	129	5	614	123
21	..	..	..	15	2040	136	13	1610	124
22	1	110	110	13	1732	133	13	1601	123
23	1	118	118	17	2345	138	13	1662	128
24	1	110	110	9	1228	136	14	1891	135
25	..	..	..	15	2011	134	15	1982	132
26	1	130	130	9	1329	148	8	1034	129
27	1	135	135	14	1738	124	19	2533	133
28	2	265	133	16	2264	142	19	2533	133
29	..	..	..	14	1945	139	21	2678	128
30	..	..	..	27	3774	140	17	2263	133
31	1	137	137	7	953	136	14	1780	127
32	1	138	138	21	2852	136	11	1480	135
33	1	106	106	12	1656	138	20	2638	132
34	1	118	118	10	1380	138	8	1070	134
35	1	120	120	20	2693	135	17	2193	129
36	1	125	125	18	2583	144	12	1586	132
37	3	350	117	12	1627	136	17	2251	132
38	1	100	100	10	1365	137	14	1738	124
39	..	..	..	6	862	144	11	1521	138
40	1	90	90	11	1452	132	17	2413	142
41	1	105	105	6	865	144	13	1658	128
42	1	115	115	5	688	138	10	1313	131
43	..	..	..	7	848	121	6	870	145
44	1	120	120	6	838	140	8	1010	126
45	2	253	127	6	819	137	9	1248	139
46	..	..	..	3	391	130	9	1189	132
47	1	149	149	4	580	145	4	570	143
48	1	135	135	5	676	135	4	548	137
49	..	..	..	4	595	149	4	518	130
50	..	..	..	3	414	138	3	440	147
51	1	119	119	3	410	137	2	260	130
52	..	..	..	1	118	118	3	381	127
53	..	..	..	1	169	169	4	576	144
54	..	..	..	..	..	..	2	253	127
55	1	124	124	1	196	196	1	135	135
56	..	..	..	1	155	155	3	397	132
57	..	..	..	1	145	145	1	145	145
59	..	..	..	1	154	154	1	110	110
60	1	135	135	2	296	148	..	..	..
61	..	..	..	1	150	150	1	155	155
62	..	..	..	..	..	..	1	120	120

TABLE I (Continued)

BUILD—MEN

Age	5 Feet 2 Inches			5 Feet 3 Inches			5 Feet 4 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
12	1	123	123	..	..	..	..	..	..
13	..	..	..	1	114	114	..	..	..
14	1	110	110	..	..	..	..	..	..
15	8	826	103	11	1205	110	15	1717	114
16	13	1442	111	27	2957	110	25	2983	119
17	12	1415	118	25	2840	114	50	5993	120
18	13	1568	121	33	4028	122	90	11155	124
19	16	2012	126	28	3463	124	89	11307	127
20	21	2571	122	50	6300	126	120	15410	128
21	28	3411	122	77	9690	126	185	24150	131
22	39	4829	124	82	10440	127	212	27715	131
23	43	5526	129	101	12976	128	218	28671	132
24	35	4443	127	106	13589	128	263	34868	133
25	36	4655	129	129	16782	130	286	38178	133
26	51	6703	131	111	14580	131	295	39474	134
27	43	5505	128	86	11496	134	305	40825	134
28	46	5973	130	105	13813	132	274	37281	136
29	46	6067	132	108	14283	132	267	35847	134
30	60	7834	131	119	15829	133	298	40825	137
31	53	6864	130	112	14782	132	231	31657	137
32	42	5569	133	95	12589	133	253	34776	137
33	51	6694	131	105	14241	136	252	34691	138
34	36	4775	133	83	11119	134	253	34520	136
35	42	5426	129	82	11077	135	244	33464	137
36	39	5277	135	98	13431	137	225	31454	140
37	40	5395	135	79	10556	134	190	26670	140
38	42	5774	137	69	9595	139	206	29036	141
39	37	4976	134	74	10139	137	194	27491	142
40	37	5033	136	65	8971	138	186	26023	140
41	22	2922	133	56	7814	140	151	21288	141
42	26	3538	136	44	6039	137	153	21984	144
43	32	4403	138	47	6712	143	119	17183	144
44	21	2823	134	46	6332	138	123	17357	141
45	26	3386	130	53	7441	140	112	16027	143
46	16	2142	134	39	5268	135	104	15064	145
47	14	2002	143	37	5246	142	93	13288	143
48	9	1299	144	24	3545	148	62	9154	148
49	13	1813	139	27	3809	141	56	8131	145
50	9	1218	135	39	5290	136	66	9458	143
51	9	1371	152	28	4034	144	35	5138	147
52	9	1294	144	21	2874	137	43	6162	143
53	13	1825	140	27	3842	142	38	5460	144
54	15	2057	137	13	1905	147	37	5227	141
55	9	1208	134	11	1631	148	31	4453	144
56	5	688	138	8	1156	145	37	5411	146
57	6	890	148	8	1008	126	20	2811	141
58	..	..	..	9	1269	141	16	2358	147
59	2	299	150	9	1212	135	15	2045	136
60	3	401	134	6	855	143	17	2490	146
61	3	487	162	3	396	132	7	946	135
62	..	..	..	3	390	130	7	999	143
63	4	531	133	2	257	129	7	1032	147
64	1	125	125	..	..	..	9	1276	142
65	..	..	..	..	..	..	3	386	129
66	..	..	..	2	285	143	2	266	133
68	..	..	..	2	286	143	2	346	173

TABLE I (Continued)

BUILD—MEN

Age	5 Feet 5 Inches			5 Feet 6 Inches			5 Feet 7 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
13	..	..	..	..	..	..	1	155	155
14	..	..	..	1	110	110	..	..	..
15	22	2815	128	20	2478	124	10	1246	125
16	45	5317	118	53	6851	129	42	5536	132
17	54	6714	124	108	14224	132	114	15371	135
18	109	14033	129	227	30292	133	231	31382	136
19	135	17727	131	286	38315	134	363	49995	138
20	236	31033	131	404	55356	137	495	69246	140
21	357	48053	135	631	86704	137	833	117288	141
22	429	57626	134	749	102923	137	1018	144286	142
23	458	61556	134	795	111170	140	1083	155090	143
24	503	68453	136	946	132080	140	1187	170074	143
25	485	66137	136	955	134024	140	1281	184454	144
26	496	67803	137	966	136462	141	1271	184746	145
27	493	67938	138	971	137754	142	1226	178944	146
28	557	77949	140	1043	148148	142	1295	189911	147
29	479	65960	138	1002	142788	143	1248	183232	147
30	570	79738	140	918	132037	144	1323	195191	148
31	536	74702	139	955	139231	146	1188	177258	149
32	481	68657	143	895	130080	145	1175	175120	149
33	469	65972	141	860	126166	147	1109	166206	150
34	444	62942	142	788	115244	146	1063	160201	151
35	430	61610	143	766	113589	148	974	147547	151
36	419	60528	144	765	113162	148	930	140142	151
37	358	51677	144	712	105172	148	893	135029	151
38	388	56727	146	679	101668	150	875	132930	152
39	368	53107	144	610	91071	149	783	119914	153
40	368	53198	145	584	88078	151	704	108615	154
41	289	42731	148	490	74874	153	636	98005	154
42	237	34274	145	459	68402	149	599	92746	155
43	248	36496	147	414	62739	152	524	80927	154
44	213	31140	146	370	56173	152	505	78103	155
45	180	26588	148	337	51822	154	387	61053	158
46	177	25961	147	298	45451	153	417	64627	155
47	147	21493	146	267	40913	153	304	47547	156
48	132	19597	148	259	39767	154	316	49334	156
49	97	14490	149	204	31404	154	237	37192	157
50	143	20954	147	197	30181	153	256	40471	158
51	87	12615	145	136	21216	156	170	26677	157
52	64	9570	150	151	23127	153	157	25026	159
53	86	13007	151	108	16736	155	131	20744	158
54	44	6700	152	121	18289	151	139	22307	160
55	63	9594	152	115	17338	151	141	22278	158
56	46	6789	148	89	13836	155	106	16846	159
57	40	5912	148	82	12726	155	87	13703	158
58	32	4696	147	75	11606	155	59	9286	157
59	25	3889	156	55	8937	162	54	8402	156
60	30	4467	149	46	6957	151	47	7519	160
61	12	1780	148	23	3609	157	25	4019	161
62	13	1905	147	21	3198	152	19	2862	151
63	6	881	147	12	1874	156	20	3275	164
64	5	775	155	12	1834	153	13	2023	156
65	16	2278	142	8	1262	158	7	1116	159
66	2	325	163	6	870	145	2	322	161
67	3	460	153	3	497	166	3	476	159
68	3	425	142	..	..	..	5	761	152
69	..	..	..	3	453	151	3	473	158
70	1	159	159	4	640	160	..	..	..
71	..	..	..	1	150	150	1	140	140
73	..	..	..	1	135	135	1	162	162
83	..	..	..	1	155	155	..	..	..

TABLE I (Continued)

BUILD—MEN

Age	5 Feet 8 Inches			5 Feet 9 Inches			5 Feet 10 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15	9	1092	121	5	674	135	3	386	129
16	49	6687	136	33	4616	140	18	2575	143
17	124	17217	139	89	12428	140	73	10570	145
18	276	38833	141	211	30337	144	186	27628	149
19	431	61647	143	351	51458	147	313	47023	150
20	620	89362	144	571	84176	147	509	76844	151
21	1079	156293	145	962	143432	149	830	126508	152
22	1197	175256	146	1072	160316	150	1028	157528	153
23	1357	199553	147	1195	180074	151	1186	183587	155
24	1523	224726	148	1282	194600	152	1240	192194	155
25	1640	243014	148	1415	214630	152	1402	218972	156
26	1688	251751	149	1489	227672	153	1463	230317	157
27	1705	255895	150	1492	227569	153	1446	227448	157
28	1682	253000	150	1488	230213	155	1587	252754	159
29	1703	257613	151	1457	226266	155	1470	234227	159
30	1742	265880	153	1520	237505	156	1440	231272	161
31	1595	244392	153	1461	229793	157	1448	233819	161
32	1575	240925	153	1349	212262	157	1326	215514	163
33	1552	240067	155	1315	208471	159	1356	221217	163
34	1345	208607	155	1223	195635	160	1325	216646	164
35	1367	213123	156	1190	192094	161	1259	205901	164
36	1320	205922	156	1123	180336	161	1235	203012	164
37	1198	188005	157	987	159531	162	1072	176299	164
38	1156	181700	157	982	160594	164	1044	173406	166
39	1058	167125	158	886	143302	162	934	156281	167
40	1058	167434	158	873	142548	163	938	155819	166
41	905	142226	157	761	124657	164	742	124571	168
42	822	129948	158	666	110042	165	748	125189	167
43	648	103378	160	598	98443	165	593	99996	169
44	679	107965	159	532	87460	164	567	95658	169
45	624	99616	160	523	86317	165	531	89936	169
46	480	77688	162	426	69936	164	464	78717	170
47	443	71270	161	375	62490	167	402	69243	172
48	421	67885	161	321	52851	165	373	64109	172
49	366	58894	161	294	48951	167	320	54957	172
50	351	56847	162	297	49163	166	321	54468	170
51	280	45432	162	231	38708	168	253	43536	172
52	247	40339	163	176	29697	169	213	36345	171
53	176	28401	161	181	30742	170	145	25022	173
54	195	31469	161	183	30846	169	167	29591	177
55	168	27662	165	128	21495	168	126	21481	170
56	134	21721	162	95	16028	169	136	23654	174
57	123	20056	163	96	15980	166	101	17400	172
58	97	15778	163	80	13675	171	87	14947	172
59	97	15616	161	79	13040	165	72	12137	169
60	80	13122	164	60	10140	169	83	14383	173
61	34	5565	164	27	4401	163	37	6352	172
62	38	6130	161	32	5528	173	21	3666	175
63	23	3946	172	23	3837	167	23	3931	171
64	12	1834	153	20	3300	165	11	1902	173
65	21	3416	163	11	1799	164	17	2945	173
66	13	2112	162	6	1024	171	12	2070	173
67	8	1362	170	4	592	148	10	1887	189
68	3	507	169	1	190	190	4	640	160
69	1	150	150	..	..	..	5	1066	213
70	2	336	168	1	160	160	1	160	160
71	2	370	185	..	..	..	..	..	..
72	1	132	132	..	..	..	..	..	..
73	1	147	147	..	..	..	..	..	..
79	..	..	..	..	..	..	1	150	150
80	..	..	..	..	..	..	1	150	150

TABLE I (Continued)

BUILD—MEN

Age	5 Feet 11 Inches			6 Feet			6 Feet 1 Inch		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15	2	227	114	1	154	154	1	160	160
16	7	1027	147	4	653	163	5	804	161
17	37	5458	148	17	2629	155	4	636	159
18	100	15400	154	67	10542	157	16	2768	173
19	205	31511	154	116	18354	158	39	6441	165
20	320	49159	154	195	31428	161	65	10616	163
21	632	99443	157	386	62362	162	127	20738	163
22	764	120660	158	428	70372	164	170	28677	169
23	866	138632	160	536	88211	165	181	30617	169
24	897	143154	160	605	100297	166	179	30754	172
25	1051	169401	161	628	104426	166	219	37882	173
26	1025	166383	162	663	111524	168	225	38626	172
27	1079	175442	163	667	112516	169	210	37026	176
28	1074	176141	164	673	114277	170	221	39148	177
29	1054	174851	166	669	114425	171	222	39218	177
30	1088	181252	167	689	118565	172	240	43284	180
31	980	163346	167	629	108486	172	196	35165	179
32	974	163543	168	621	107930	174	191	34538	181
33	938	159877	170	577	101127	175	221	40346	183
34	932	158663	170	580	102431	177	189	34178	181
35	892	153459	172	529	93838	177	184	33920	184
36	781	133693	171	533	95221	179	164	30280	185
37	773	132808	172	541	96913	179	161	29618	184
38	749	129616	173	435	78521	181	142	26938	190
39	645	112408	174	391	70964	181	140	26610	190
40	678	118511	175	413	74446	180	137	25423	186
41	501	88165	176	352	63802	181	124	23429	189
42	491	85511	174	315	56935	181	93	17619	189
43	407	72144	177	264	48174	182	98	18098	185
44	406	70667	174	229	42167	184	76	13969	184
45	335	58892	176	228	41467	182	73	13965	191
46	321	56400	176	209	38680	185	68	13010	191
47	277	49311	178	158	28714	182	67	12447	186
48	283	50251	178	158	29030	184	55	10480	191
49	197	35459	180	148	27433	185	45	8524	189
50	196	34199	174	159	28804	181	34	6497	191
51	163	29275	180	99	18302	185	36	6739	187
52	158	28518	180	126	23253	185	34	6555	193
53	119	20805	175	121	21965	182	26	5158	198
54	101	18083	179	67	12096	181	23	4484	195
55	115	20277	176	74	13581	184	13	2597	200
56	88	15556	177	61	11746	193	18	3332	185
57	54	9679	179	43	7924	184	6	1062	177
58	56	10126	181	40	7281	182	14	2578	184
59	48	8394	175	35	6485	185	12	2463	205
60	45	8006	178	34	6200	182	6	1109	185
61	23	4085	178	16	2915	182	5	896	179
62	20	3481	174	18	3081	171	..	..	..
63	27	4902	182	12	2092	174	3	596	199
64	12	2118	177	6	1184	197	1	162	162
65	11	1942	177	8	1548	194	1	168	168
66	7	1185	169	6	1078	180	3	581	194
67	4	692	173	..	..	..	..	..	..
68	3	555	185	3	613	204	..	..	..
69	1	175	175	3	514	171	..	..	..
70	1	173	173	..	..	..	..	..	..
73	1	185	185	..	..	..	..	..	..

TABLE I (Continued)

BUILD—MEN

Age	6 Feet 2 Inches			6 Feet 3 Inches			6 Feet 4 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
16	1	150	150	..	..	..	..	..	..
17	1	144	144	..	..	..	..	..	..
18	6	1033	172	1	190	190	..	..	..
19	17	2944	173	6	1004	167	1	178	178
20	29	4875	168	9	1617	180	..	..	..
21	60	10386	173	12	2063	172	3	523	174
22	69	11850	172	26	4509	173	8	1430	179
23	76	13382	176	21	3922	187	8	1598	200
24	94	16534	176	21	3650	174	11	2140	195
25	104	18705	180	34	6315	186	8	1560	195
26	92	16129	175	29	5320	183	9	1745	194
27	100	17873	179	28	5204	186	15	2791	186
28	138	25415	184	33	6197	188	12	2412	201
29	117	21381	183	41	7628	186	8	1599	200
30	90	16577	184	31	5865	189	9	1753	195
31	116	21660	187	37	7254	196	6	1113	186
32	107	19758	185	31	5942	192	5	1062	212
33	113	21130	187	29	5666	195	8	1620	203
34	81	14969	185	24	4457	186	7	1410	201
35	95	18108	191	20	4038	202	10	2025	203
36	90	17445	194	32	6137	192	12	2517	210
37	83	15967	192	27	5194	192	8	1553	194
38	75	14711	196	22	4497	204	9	1886	210
39	67	12846	192	14	2821	202	10	2009	201
40	66	12666	192	19	3834	202	8	1589	199
41	71	13685	193	11	2364	215	4	862	216
42	45	8701	193	12	2339	195	7	1420	203
43	38	7594	200	13	2532	195	7	1611	230
44	36	7111	198	10	1939	194	3	648	216
45	50	10090	202	9	1810	201	9	1894	210
46	34	6608	194	10	1882	188	5	913	183
47	27	5289	196	7	1475	211	3	643	214
48	20	4013	201	3	546	182	2	397	199
49	21	4205	200	9	1884	209	..	..	..
50	17	3447	203	5	942	188	1	178	178
51	20	3990	200	8	1752	219	1	242	242
52	11	2156	196	8	1690	211	1	275	275
53	14	2687	192	6	1145	191	1	240	240
54	8	1643	205	5	1063	213	2	352	176
55	11	2020	184	..	..	..	1	185	185
56	5	977	195	2	382	191	2	425	213
57	6	1131	189	2	393	197	2	451	226
58	5	945	189	1	200	200	1	192	192
59	8	1438	180	..	..	..	1	216	216
60	3	623	208	..	..	..	1	229	229
61	..	..	..	..	..	..	..	..	..
62	3	630	210	..	..	..	..	..	..
63	..	..	..	..	..	..	..	..	..
64	1	225	225	..	..	..	..	..	..
65	..	..	..	1	198	198	..	..	..
69	1	194	194	..	..	..	..	..	..

TABLE I (Concluded)

BUILD—MEN

Age	6 Feet 5 Inches			6 Feet 6 Inches			6 Feet 7 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
20	3	542	181	..	..	..	..	..	..
21	2	396	198	..	..	..	..	..	..
22	1	175	175	1	225	225	..	..	..
23	1	185	185	1	198	198	..	..	..
25	1	215	215	..	..	..	..	..	..
26	2	390	195	4	679	170	..	..	..
27	4	755	189	..	..	..	..	..	..
28	3	600	200	..	..	..	1	156	156
29	1	185	185	1	225	225	..	..	..
30	1	200	200	..	..	..	..	..	..
31	2	440	220	1	140	140	..	..	..
32	3	724	241	2	402	201	..	..	..
33	2	400	200	1	180	180	..	..	..
34	3	666	222	..	..	..	..	..	..
35	6	1224	204	..	..	..	..	..	..
36	1	170	170	..	..	..	1	145	145
37	1	163	163	..	..	..	..	..	..
38	2	440	220	..	..	..	..	..	..
39	1	218	218	1	225	225	..	..	..
40	1	210	210	3	759	253	..	..	..
41	1	248	248	..	..	..	..	..	..
42	1	185	185	1	180	180	1	202	202
43	2	465	233	..	..	..	..	..	..
45	2	372	186	..	..	..	..	..	..
46	1	175	175	..	..	..	..	..	..
47	1	212	212	..	..	..	..	..	..
48	1	268	268	..	..	..	..	..	..
50	..	..	..	1	245	245	..	..	..
52	1	225	225	..	..	..	..	..	..
60	1	250	250	..	..	..	..	..	..
62	1	228	228	..	..	..	..	..	..

Age	6 Feet 8 Inches			6 Feet 9 Inches			6 Feet 11 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
32	..	..	..	2	526	263	..	..	..
38	1	195	195	..	..	..	..	..	..
39	1	260	260	..	..	..	..	..	..
41	..	..	..	..	..	..	1	165	165
44	1	160	160	..	..	..	..	..	..

TABLE II
BUILD—MEN

Age Group	4 Feet 11 Inches			5 Feet			5 Feet 1 Inch		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10-14	1	72	72	1	96	96	1	86	86
15-19	9	879	98	44	4867	111	53	5638	106
20-24	3	338	113	68	9155	135	58	7378	127
25-29	4	530	133	68	9287	137	82	10760	131
30-34	4	499	125	77	10615	138	70	9231	132
35-39	6	695	116	66	9130	138	71	9289	131
40-44	4	430	108	35	4691	134	54	7264	135
45-49	4	537	134	22	3061	139	30	4073	136
50-54	1	119	119	8	1111	139	14	1910	136
55-59	1	124	124	4	650	163	6	787	131
60-64	1	135	135	3	446	149	2	275	138
Total	38			396			441		

Age Group	5 Feet 2 Inches			5 Feet 3 Inches			5 Feet 4 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10-14	2	233	117	1	114	114	..	..	..
15-19	62	7263	117	124	14493	117	269	33155	123
20-24	166	20780	125	416	52995	127	998	130814	131
25-29	222	28903	130	539	70954	132	1427	191605	134
30-34	242	31736	131	514	68560	133	1287	176469	137
35-39	200	26848	134	402	54798	136	1059	148115	140
40-44	138	18719	136	258	35868	139	732	103835	142
45-49	78	10642	136	180	25309	141	427	61664	144
50-54	55	7765	141	128	17945	140	219	31445	144
55-59	22	3085	140	45	6276	139	119	17078	144
60-64	11	1544	140	14	1898	136	47	6743	143
65-69	..	..	..	4	571	143	7	998	143
Total	1198			2625			6591		

Age Group	5 Feet 5 Inches			5 Feet 6 Inches			5 Feet 7 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10-14	..	..	..	1	110	110	1	155	155
15-19	365	46606	128	694	92160	133	760	103530	136
20-24	1983	266721	135	3525	488233	139	4616	655984	142
25-29	2510	345787	138	4937	699176	142	6321	921287	146
30-34	2500	352011	141	4416	642758	146	5858	873976	149
35-39	1963	283649	144	3532	524662	149	4455	675562	152
40-44	1355	197839	146	2317	350266	151	2968	458396	154
45-49	733	108129	148	1365	209357	153	1661	259753	156
50-54	424	62846	148	713	109549	154	853	135225	159
55-59	206	30880	150	416	64443	155	447	70515	158
60-64	66	9808	149	114	17472	153	124	19698	159
65-69	24	3488	145	20	3082	154	20	3148	157
70-74	1	159	159	6	925	154	2	302	151
80-84	..	..	..	1	155	155	..	..	..
Total	12130			22057			28086		

TABLE II (Concluded)

BUILD—MEN

Age Group	5 Feet 8 Inches			5 Feet 9 Inches			5 Feet 10 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15-19	889	125476	141	689	99513	144	593	88182	149
20-24	5776	845190	146	5082	762598	150	4793	736661	154
25-29	8418	1261273	150	7341	1126350	153	7368	1163718	158
30-34	7809	1199871	154	6868	1083666	158	6895	1118468	162
35-39	6099	955875	157	5168	835857	162	5544	914899	165
40-44	4112	650951	158	3430	563150	164	3588	601233	168
45-49	2334	375353	161	1939	320545	165	2090	356962	171
50-54	1249	202488	162	1068	179156	168	1099	188962	172
55-59	619	100833	163	478	80218	168	522	89619	172
60-64	187	30597	164	162	27206	168	175	30234	173
65-69	46	7547	164	22	3605	164	48	8608	179
70-74	6	985	164	1	160	160	1	160	160
75-79	..	..	..	..	..	..	1	150	150
80-84	..	..	..	..	..	..	1	150	150
Total	37544			32248			32718		

Age Group	5 Feet 11 Inches			6 Feet			6 Feet 1 Inch		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15-19	351	53623	153	205	32332	158	65	10809	166
20-24	3479	551048	158	2150	352670	164	722	121402	168
25-29	5283	862218	163	3300	557168	169	1097	191900	175
30-34	4912	826681	168	3096	538539	174	1037	187511	181
35-39	3840	661984	172	2429	435457	179	791	147366	186
40-44	2483	434998	175	1573	285524	182	528	98538	187
45-49	1413	250313	177	901	165324	183	308	58426	190
50-54	737	130880	178	572	104420	183	153	29433	192
55-59	361	64032	177	253	47017	186	63	12032	191
60-64	127	22592	178	86	15472	180	15	2763	184
65-69	26	4549	175	20	3753	188	4	749	187
70-74	2	358	179	..	..	..	..	..	..
Total	23014			14585			4783		

Age Group	6 Feet 2 Inches			6 Feet 3 Inches			6 Feet 4 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15-19	25	4271	171	7	1194	171	1	178	178
20-24	328	57027	174	89	15761	177	30	5691	190
25-29	551	99503	181	165	30664	186	52	10107	194
30-34	507	94094	186	152	29184	192	35	6958	199
35-39	410	79077	193	115	22687	197	49	9990	204
40-44	256	49757	194	65	13008	200	29	6130	211
45-49	152	30205	199	38	7597	200	19	3847	202
50-54	70	13923	199	32	6592	206	6	1287	215
55-59	35	6511	186	5	975	195	7	1469	210
60-64	7	1478	211	..	..	..	1	229	229
65-69	1	194	194	1	198	198	..	..	..
Total	2342			669			229		

TABLE III
BUILD—MEN
GRADED AVERAGE WEIGHT

Age Group	5 Ft.	5 Ft. 1 In.	5 Ft. 2 In.	5 Ft. 3 In.	5 Ft. 4 In.	5 Ft. 5 In.	5 Ft. 6 In.	5 Ft. 7 In.	5 Ft. 8 In.
15-19	113	115	118	121	124	128	132	136	140
20-24	119	121	124	127	131	135	139	142	146
25-29	124	126	128	131	134	138	142	146	150
30-34	127	129	131	134	137	141	145	149	154
35-39	129	131	133	136	140	144	148	152	157
40-44	132	134	136	139	142	146	150	154	159
45-49	134	136	138	141	144	148	152	156	161
50-54	135	137	139	142	145	149	153	157	162

Age Group	5 Ft. 9 In.	5 Ft. 10 In.	5 Ft. 11 In.	6 Ft.	6 Ft. 1 In.	6 Ft. 2 In.	6 Ft. 3 In.	6 Ft. 4 In.	6 Ft. 5 In.
15-19	144	148	153	158	163	168	173	178	183
20-24	150	154	158	163	168	173	178	183	188
25-29	154	158	163	169	175	181	187	192	197
30-34	158	163	168	174	180	186	192	198	203
35-39	162	167	172	178	184	191	197	203	209
40-44	164	169	175	181	187	194	201	208	214
45-49	166	171	177	183	190	197	204	211	217
50-54	167	172	178	184	191	198	205	212	218

TABLE IV
BUILD—MEN
GRADED AVERAGE WEIGHT

Age	5 Ft.	5 Ft. 1 In.	5 Ft. 2 In.	5 Ft. 3 In.	5 Ft. 4 In.	5 Ft. 5 In.	5 Ft. 6 In.	5 Ft. 7 In.	5 Ft. 8 In.	5 Ft. 9 In.	5 Ft. 10 In.	5 Ft. 11 In.	6 Ft.	6 Ft. 1 In.	6 Ft. 2 In.	6 Ft. 3 In.	6 Ft. 4 In.	6 Ft. 5 In.
15	107	109	112	115	118	122	126	130	134	138	142	147	152	157	162	167	172	177
16	109	111	114	117	120	124	128	132	136	140	144	149	154	159	164	169	174	179
17	111	113	116	119	122	126	130	134	138	142	146	151	156	161	166	171	176	181
18	113	115	118	121	124	128	132	136	140	144	148	153	158	163	168	173	178	183
19	115	117	120	123	126	130	134	138	142	146	150	155	160	165	170	175	180	185
20	117	119	122	125	128	132	136	140	144	148	152	156	161	166	171	176	181	186
21	118	120	123	126	130	134	138	141	145	149	153	157	162	167	172	177	182	187
22	119	121	124	127	131	135	139	142	146	150	154	158	163	168	173	178	183	188
23	120	122	125	128	132	136	140	143	147	151	155	159	164	169	175	180	185	190
24	121	123	126	129	133	137	141	144	148	152	156	160	165	171	177	182	187	192
25	122	124	126	129	133	137	141	145	149	153	157	162	167	173	179	184	189	194
26	123	125	127	130	134	138	142	146	150	154	158	163	168	174	180	186	191	196
27	124	126	128	131	134	138	142	146	150	154	158	163	169	175	181	187	192	197
28	125	127	129	132	135	139	143	147	151	155	159	164	170	176	182	188	193	198
29	126	128	130	133	136	140	144	148	152	156	160	165	171	177	183	189	194	199
30	126	128	130	133	136	140	144	148	152	156	161	166	172	178	184	190	196	201
31	127	129	131	134	137	141	145	149	153	157	162	167	173	179	185	191	197	202
32	127	129	131	134	137	141	145	149	154	158	163	168	174	180	186	192	198	203
33	127	129	131	134	137	141	145	149	154	159	164	169	175	181	187	193	199	204
34	128	130	132	135	138	142	146	150	155	160	165	170	176	182	188	194	200	206
35	128	130	132	135	138	142	146	150	155	160	165	170	176	182	189	195	201	207
36	129	131	133	136	139	143	147	151	156	161	166	171	177	183	190	196	202	208
37	129	131	133	136	140	144	148	152	157	162	167	172	178	184	191	197	203	209
38	130	132	134	137	140	144	148	152	157	162	167	173	179	185	192	198	204	210
39	130	132	134	137	140	144	148	152	157	162	167	173	179	185	192	199	205	211
40	131	133	135	138	141	145	149	153	158	163	168	174	180	186	193	200	206	212
41	131	133	135	138	141	145	149	153	158	163	168	174	180	186	193	200	207	213
42	132	134	136	139	142	146	150	154	159	164	169	175	181	187	194	201	208	214
43	132	134	136	139	142	146	150	154	159	164	169	175	181	187	194	201	208	214
44	133	135	137	140	143	147	151	155	160	165	170	176	182	188	195	202	209	215
45	133	135	137	140	143	147	151	155	160	165	170	176	182	188	195	202	209	215
46	134	136	138	141	144	148	152	156	161	166	171	177	183	189	196	203	210	216
47	134	136	138	141	144	148	152	156	161	166	171	177	183	190	197	204	211	217
48	134	136	138	141	144	148	152	156	161	166	171	177	183	190	197	204	211	217
49	134	136	138	141	144	148	152	156	161	166	171	177	183	190	197	204	211	217
50	134	136	138	141	144	148	152	156	161	166	171	177	183	190	197	204	211	217
51	135	137	139	142	145	149	153	157	162	167	172	178	184	191	198	205	212	218
52	135	137	139	142	145	149	153	157	162	167	172	178	184	191	198	205	212	218
53	135	137	139	142	145	149	153	157	162	167	172	178	184	191	198	205	212	218
54	135	137	139	142	145	149	153	158	163	168	173	178	184	191	198	205	212	219
55 and up	135	137	139	142	145	149	153	158	163	168	173	178	184	191	198	205	212	219

TABLE V
BUILD—MEN
AGE GROUP 10-14

Weight	4 Feet 9 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 6 Inches		5 Feet 7 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
68-72	..	..	1	72	..	..	..	..	..	..	..	..	..	..	..	..
78-82	1	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
83-87	..	..	..	..	..	..	1	86	..	..	..	..	..	..	..	..
93-97	..	..	..	..	1	96	..	..	..	..	..	..	..	..	..	..
108-112	..	..	..	..	..	..	..	..	1	110	..	..	1	110	..	..
113-117	..	..	..	..	..	..	..	..	..	..	1	114	..	..	..	..
123-127	..	..	..	..	..	..	..	..	1	123	..	..	..	..	..	..
153-157	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	155
Total	1	82	1	72	1	96	1	86	2	233	1	114	1	110	1	155

AGE GROUP 15-19

Weight	4 Feet 7 Inches		4 Feet 8 Inches		4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
73-77	..	..	..	..	..	..	2	150	..	..	..	..	..	..	..	..
78-82	2	162	..	..	1	79	2	160	..	..	..	..	..	..	1	82
83-87	1	85	1	85	2	169	2	170	2	173	2	170	1	87	..	..
88-92	..	..	1	88	1	92	1	91	1	89	6	539	3	269	..	..
93-97	..	..	1	96	1	95	..	..	1	95	3	285	8	764	3	285
98-102	..	..	..	..	..	..	..	..	3	302	8	799	10	1006	5	505
103-107	..	..	..	..	1	104	..	..	1	105	3	313	6	629	5	522
108-112	..	..	..	..	..	..	..	..	5	552	11	1205	10	1105	10	1105
113-117	..	..	..	..	..	..	1	115	1	115	2	228	7	804	8	924
118-122	..	..	..	..	1	122	..	..	..	..	4	479	2	240	12	1434
123-127	..	..	..	..	..	..	..	..	..	..	3	377	3	373	4	500
128-132	..	..	..	..	..	..	..	..	..	..	2	261	2	261	9	1168
133-137	..	..	..	..	..	..	..	..	..	..	2	269	..	..	..	..
138-142	1	138	..	..	..	..	..	..	..	..	1	140	..	..	3	419
143-147	..	..	..	..	..	..	..	..	..	..	1	145	..	..	..	..
148-152	..	..	..	..	..	..	..	..	..	..	1	150	..	..	..	..
153-157	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	155
158-162	..	..	..	..	..	..	..	..	..	..	1	160	..	..	..	..
163-167	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	164
Total	4	385	3	269	7	661	8	686	9	879	44	4867	53	5638	62	7263

AGE GROUP 15-19—(Continued)

Weight	5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
88-92	..	..	..	..	1	90	..	..	..	..	..	..	..	..	..	..
93-97	2	192	..	..	..	..	..	..	..	..	..	..	..	..	1	95
98-102	10	1000	7	702	3	301	1	101	..	..	..	..	..	..	..	..
103-107	18	1901	13	1368	7	743	1	105	1	105	..	..	..	..	..	..
108-112	19	2094	24	2648	21	2321	13	1431	3	333	10	1108	5	558	..	..
113-117	21	2414	34	3917	28	3222	32	3691	17	1967	2	226	1	113	..	..
118-122	21	2513	54	6476	67	8046	70	8398	51	6112	32	3847	10	1201	5	602
123-127	8	994	52	6496	69	8649	121	15129	103	12896	62	7774	30	3760	10	1257
128-132	9	1160	37	4805	60	7779	108	14034	110	14261	105	13673	59	7673	33	4310
133-137	8	1083	22	2976	46	6210	130	17543	157	21186	133	17967	87	11757	54	7290
138-142	6	838	11	1530	28	3909	98	13687	118	16487	170	23787	136	19031	90	12594
143-147	..	..	7	1010	11	1590	52	7551	86	12471	111	16091	90	13056	99	14361
148-152	1	150	5	756	11	1651	36	5393	59	8833	132	19779	117	17517	99	14829
153-157	1	154	2	311	4	620	16	2484	19	2941	55	8514	59	9152	68	10548
158-162	..	..	1	160	4	635	12	1913	18	2871	38	6076	43	6869	56	8943
163-167	..	..	..	..	3	492	2	330	13	2142	18	2975	28	4622	29	4785
168-172	..	..	..	..	1	168	..	..	1	170	12	2027	9	1525	24	4078
173-177	..	..	..	..	..	..	1	175	2	350	3	525	8	1397	16	2799
178-182	..	..	..	..	1	180	..	..	..	..	2	360	4	716	3	540
183-187	..	..	..	..	..	..	..	..	1	187	3	557	2	370	2	368
188-192	..	..	..	..	..	..	..	..	..	..	1	190	..	..	1	192
193-197	..	..	..	..	..	..	1	195	..	..	..	..	1	196	2	391
198-202	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	200
218-222	..	..	..	..	..	..	..	..	1	218	..	..	..	..	..	..
Total	124	14493	269	33155	365	46606	694	92160	760	103530	889	125476	689	99513	593	88182

TABLE V (Continued)
BUILD—MEN
AGE GROUP 15-19—(Concluded)

Weight	5 Feet 11 Inches		6 Feet		6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 3 Inches		6 Feet 4 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
88-92	1	92	..	..	..	..	..	..	..	..	..	..
113-117	2	234	..	..	..	..	..	..	..	..	..	..
118-122	2	242	..	..	..	..	..	..	..	..	..	..
123-127	2	250	..	..	..	..	..	..	..	..	..	..
128-132	15	1951	1	132	..	..	..	..	..	..	..	..
133-137	20	2691	1	135	..	..	..	..	..	..	..	..
138-142	36	5039	16	2250	2	283	..	..	..	..	..	..
143-147	42	6107	30	4362	5	729	1	144	1	145	..	..
148-152	69	10345	36	5393	6	903	2	302	..	..	..	..
153-157	35	5434	21	3253	8	1237	1	155	1	155	..	..
158-162	52	8318	33	5286	9	1439	4	639	1	158	..	..
163-167	33	5447	28	4610	9	1485	5	826	..	..	..	..
168-172	13	2200	13	2204	9	1529	3	511	..	..	..	..
173-177	11	1920	12	2102	3	520	2	350	..	..	..	..
178-182	8	1440	7	1256	4	718	3	542	2	356	1	178
183-187	3	557	4	736	4	741	2	372	..	..	..	..
188-192	3	566	..	..	2	380	..	..	2	380	..	..
193-197	2	389	..	..	..	..	..	..	..	..	..	..
198-202	2	401	2	400	1	200	..	..	..	..	..	..
203-207	..	..	..	..	1	205	1	205	..	..	..	..
208-212	..	..	..	..	1	212	..	..	..	..	..	..
213-217	..	..	1	213	..	..	..	..	..	..	..	..
223-227	..	..	..	..	..	..	1	225	..	..	..	..
228-232	..	..	..	..	1	228	..	..	..	..	..	..
Total	351	53623	205	32332	65	10809	25	4271	7	1194	1	178

AGE GROUP 20-24

Weight	4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
78-82	..	..	1	82	..	..	..	..	..	..	..	..	..	..	..	..
88-92	..	..	..	..	..	..	..	..	1	91	..	..	..	..	..	..
93-97	..	..	..	..	..	..	..	..	1	96	1	95	..	..	..	..
98-102	..	..	..	..	..	..	..	..	..	..	2	201	3	302	1	102
103-107	..	..	..	..	..	..	1	105	2	213	10	1049	6	630	6	634
108-112	..	..	..	..	2	220	4	443	7	768	10	1106	23	2533	30	3320
113-117	..	..	..	..	..	..	7	805	5	578	20	2301	48	5538	54	6214
118-122	..	..	..	..	1	118	6	720	5	600	28	3353	56	6714	152	18240
123-127	..	..	..	..	..	..	13	1633	13	1628	30	3749	86	10740	163	20359
128-132	1	132	..	..	..	..	5	652	6	783	25	3247	78	10147	173	22469
133-137	..	..	..	..	..	..	2	271	5	670	16	2165	45	6078	157	21208
138-142	..	..	..	..	..	..	9	1260	5	696	10	1398	30	4196	111	15511
143-147	..	..	..	..	..	..	4	578	1	147	5	723	22	3182	56	8105
148-152	..	..	..	..	..	..	8	1200	3	448	6	893	11	1652	52	7780
153-157	..	..	..	..	..	..	3	468	1	156	2	310	3	465	21	3244
158-162	..	..	..	..	..	..	1	160	..	..	..	..	3	482	12	1913
163-167	..	..	..	..	..	..	3	495	2	332	..	..	1	165	3	494
168-172	..	..	..	..	..	..	1	170	1	172	..	..	1	171	2	340
173-177	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	696
183-187	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	185
188-192	..	..	..	..	..	..	..	..	..	..	1	190	..	..	..	..
193-197	..	..	..	..	..	..	1	195	..	..	..	..	..	..	..	..
Total	1	132	1	82	3	338	68	9155	58	7378	166	20780	416	52995	998	130814

TABLE V (Continued)
BUILD—MEN
AGE GROUP 20-24—(Continued)

Weight	5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
98-102	..	..	..	..	..	..	..	..	1	100	..	..	..	..	..	..
103-107	6	632	1	105	1	106	..	..	..	..	..	..	..	..	..	..
108-112	21	2325	11	1213	9	997	4	444	1	112	..	..	..	..	1	110
113-117	75	8660	52	6001	34	3911	12	1391	2	233	..	..	..	..	..	..
118-122	176	21139	163	19561	103	12390	58	6985	26	3126	5	601	2	240	2	243
123-127	303	37916	419	52444	353	44184	215	26930	94	11767	50	6266	12	1513	2	253
128-132	341	44315	557	72470	560	72847	481	62583	248	32292	128	16655	45	5878	2	261
133-137	370	49963	607	81979	769	103898	714	96460	488	65979	323	43638	126	17035	23	3124
138-142	262	36642	587	82114	769	107558	1026	143533	724	101351	538	75207	237	33200	85	11910
143-147	167	24208	383	55552	605	87748	833	120891	746	108223	627	90860	366	53131	134	19460
148-152	126	18866	316	47303	558	83574	863	129301	817	122414	786	117663	541	81089	257	38531
153-157	49	7583	173	26803	312	48354	537	83198	600	92947	582	90082	452	70100	268	41561
158-162	40	6395	111	17724	220	35141	377	60234	513	81997	573	91480	497	79478	312	49884
163-167	19	3126	64	10546	148	24388	234	38552	315	51964	414	68139	375	61807	272	44873
168-172	12	2032	28	4751	76	12906	166	28186	208	35278	284	48141	287	48714	236	40069
173-177	5	875	19	3314	41	7174	117	20453	108	18877	195	34045	195	34087	191	33415
178-182	4	724	15	2696	25	4496	51	9176	75	13493	112	20116	133	23907	131	23547
183-187	3	557	8	1482	14	2584	43	7949	38	7029	76	14026	75	13864	82	15164
188-192	3	569	4	764	11	2089	9	1708	28	5311	39	7391	54	10265	59	11204
193-197	1	194	4	778	4	781	16	3115	18	3513	15	2923	30	5847	27	5276
198-202	..	..	2	398	2	398	10	1996	17	3394	26	5188	24	4790	22	4406
203-207	..	..	..	..	..	..	3	615	5	1020	8	1640	5	1023	12	2455
208-212	..	..	..	..	1	210	4	834	4	836	4	839	7	1469	17	3570
213-217	..	..	..	..	..	..	2	431	2	432	4	859	4	860	6	1294
218-222	..	..	..	..	..	..	..	..	1	221	1	218	5	1095	4	881
223-227	..	..	..	..	..	..	1	225	2	449	1	225	2	449	2	451
228-232	..	..	..	..	..	..	..	..	..	..	2	459	..	..	..	..
233-237	..	..	1	235	..	..	..	..	..	..	..	..	3	707	..	..
238-242	..	..	..	..	..	..	..	..	1	240	..	..	1	242	2	478
248-252	..	..	..	..	1	250	..	..	..	..	..	..	..	..	1	250
258-262	..	..	..	..	..	..	..	..	..	..	..	..	1	258	..	..
Total	1983	266721	3525	488233	4616	655984	5776	845190	5082	762598	4793	736661	3479	551048	2150	352670

AGE GROUP 20-24—(Concluded)

Weight	6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 3 Inches		6 Feet 4 Inches		6 Feet 5 Inches		6 Feet 6 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
128-132	1	132	..	..	..	..	..	..	..	..	..	..
133-137	1	135	1	137	..	..	..	..	..	..	..	..
138-142	19	2659	1	140	..	..	..	..	..	..	..	..
143-147	30	4356	6	873	2	291	..	..	..	..	..	..
148-152	60	9006	12	1801	4	604	..	..	..	..	..	..
153-157	73	11330	19	2943	1	154	1	155	..	..	..	..
158-162	86	13750	36	5758	9	1437	..	..	..	..	..	..
163-167	97	16015	46	7593	4	657	2	330	1	167	..	..
168-172	105	17824	50	8486	15	2543	5	853	..	..	..	..
173-177	78	13642	42	7342	11	1924	3	525	1	175	..	..
178-182	58	10424	29	5211	9	1612	4	722	..	..	..	..
183-187	44	8135	33	6112	18	3329	5	927	2	370	..	..
188-192	24	4560	17	3234	6	1142	2	378	1	190	..	..
193-197	10	1945	14	2736	2	389	1	193	1	196	..	..
198-202	11	2201	6	1199	4	798	1	198	1	200	1	198
203-207	9	1840	5	1029	..	..	1	205	..	..	..	..
208-212	7	1465	2	418	1	210	..	..	..	..	..	..
213-217	3	644	4	860	1	216	..	..	..	..	..	..
218-222	3	658	1	220	1	220	1	220	..	..	..	..
223-227	2	451	..	..	..	..	..	..	..	1	225	..
228-232	1	230	2	458	..	..	..	..	..	..	..	..
233-237	..	..	1	237	1	235	1	235	..	..	..	..
238-242	..	..	1	240	..	..	..	..	..	..	..	..
243-247	..	..	..	..	..	..	1	245	..	..	..	..
248-252	..	..	..	..	..	..	1	250	..	..	..	..
253-257	..	..	..	..	..	..	1	255	..	..	..	..
258-262	..	..	..	..	..	..	..	..	..	..	..	..
Total	722	121402	328	57027	89	15761	30	5691	7	1298	2	423

TABLE V (Continued)

BUILD—MEN

AGE GROUP 25-29

Weight	4 Feet 5 Inches		4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches	
	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight
93-97	..	..	..	..	..	..	..	..	..	..	1	93	..	..	..	..
98-102	1	98	1	100	..	..	..	..	1	100	..	..	5	504	..	..
103-107	..	..	..	..	1	103	..	..	3	316	3	312	3	314	5	530
108-112	..	..	..	..	..	..	..	..	5	551	9	998	12	1325	23	2545
113-117	..	..	1	115	..	..	..	..	3	346	4	462	20	2299	27	3106
118-122	..	..	1	118	..	..	..	..	1	120	8	962	31	3724	78	9346
123-127	..	..	..	..	1	123	1	125	6	752	20	2496	43	5392	85	10618
128-132	..	..	..	..	..	..	1	130	14	1816	4	516	33	4288	91	11823
133-137	..	..	..	..	..	..	1	135	9	1217	7	944	23	3107	79	10671
138-142	..	..	..	..	..	..	1	140	3	420	2	280	16	2229	54	7534
143-147	..	..	..	..	1	147	..	..	4	580	8	1162	8	1158	45	6518
148-152	..	..	..	..	..	..	..	..	7	1044	5	746	8	1205	21	3151
153-157	..	..	..	..	..	..	..	..	3	463	4	616	6	928	11	1705
158-162	..	..	..	..	..	..	..	..	1	162	1	160	4	640	5	797
163-167	..	..	..	..	..	..	..	..	2	330	3	495	3	495	3	495
168-172	..	..	..	..	..	..	..	..	2	338	1	170	2	338	5	852
173-177	..	..	..	..	..	..	..	..	3	525	2	348	..	..	3	524
178-182	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	359
183-187	..	..	..	..	..	..	..	..	..	..	..	..	2	370	1	185
188-192	..	..	..	..	..	..	..	..	..	..	..	..	1	190	..	..
193-197	..	..	..	..	..	..	..	..	..	..	..	..	1	195	1	195
198-202	..	..	..	..	..	..	..	..	..	..	..	..	1	202	..	..
203-207	..	..	..	..	..	..	..	..	1	207	..	..	..	..	..	..
Total	1	98	3	333	3	373	4	530	68	9287	82	10760	222	28903	539	70954

AGE GROUP 25-29—(Continued)

Weight	5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches	
	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight
88-92	1	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..
98-102	..	..	..	..	2	203	..	..	..	..	..	..	..	..	..	..
103-107	5	528	3	317	2	209	1	104	2	210	..	..	..	..	..	..
108-112	19	2104	24	2652	13	1436	5	556	2	220	..	..	..	..	..	..
113-117	79	9088	69	7952	61	7047	31	3575	5	574	4	463	1	117	2	230
118-122	136	16330	191	22944	198	23752	131	15782	58	6993	21	2536	5	603	3	362
123-127	214	26801	307	38438	463	57975	347	43456	243	30449	102	12803	33	4146	13	1627
128-132	239	31058	401	52077	620	80590	636	82735	525	68298	293	38157	145	18872	40	5209
133-137	236	31870	390	52685	790	106701	851	114988	934	126251	637	86125	330	44631	130	17579
138-142	181	25305	368	51458	765	106906	1006	140656	1213	169684	899	125818	692	96869	294	41182
143-147	117	16949	237	34379	573	83131	828	120088	1111	161196	935	135708	795	115318	439	63696
148-152	77	11545	179	26798	497	74447	784	117484	1279	191694	1074	161006	1128	168966	676	101386
153-157	40	6204	93	14404	276	42755	462	71608	759	117702	840	130168	816	126351	574	89007
158-162	40	6389	91	14549	248	39629	387	61851	728	116336	735	117547	938	149880	681	108897
163-167	21	3462	52	8584	146	24095	278	45849	503	82961	554	91317	697	114924	628	103585
168-172	10	1703	46	7811	91	15436	197	33434	356	60407	361	61275	516	87541	475	80625
173-177	5	875	18	3152	73	12765	125	21850	239	41806	265	46359	377	65870	332	58065
178-182	3	542	16	2878	53	9531	96	17248	169	30410	227	40822	308	55282	265	47625
183-187	2	369	15	2778	29	5364	65	12020	119	22008	133	24607	179	33114	220	40704
188-192	1	189	5	950	20	3800	37	7021	69	13112	96	18240	132	25069	169	32097
193-197	..	..	3	584	7	1365	18	3510	43	8378	55	10715	80	15586	87	16976
198-202	1	202	2	397	6	1202	20	3998	31	6188	55	10990	90	17966	102	20382
203-207	..	..	..	..	2	410	4	820	9	1840	17	3484	34	6958	38	7781
208-212	..	..	..	..	1	209	5	1047	7	1470	16	3354	26	5457	47	9870
213-217	..	..	..	..	..	..	..	..	6	1294	10	2148	18	3873	18	3872
218-222	..	..	..	..	1	218	4	880	4	870	3	660	10	2196	16	3513
223-227	..	..	..	..	..	..	..	..	2	449	7	1570	7	1573	10	2244
228-232	..	..	..	..	..	..	1	229	..	..	..	..	8	1843	8	1834
233-237	..	..	..	..	..	..	..	..	2	473	..	..	2	468	6	1408
238-242	..	..	..	..	..	..	1	238	..	..	2	478	..	..	3	718
243-247	..	..	..	..	..	..	..	..	..	..	..	..	1	245	4	980
248-252	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	248
253-257	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	256
258-262	..	..	..	..	..	..	1	260	..	..	..	..	..	..	1	260
Total	1427	191605	2510	345787	4937	699176	6321	921287	8418	1261273	7341	1126350	7368	1163718	5283	862218

TABLE V (Continued)
BUILD—MEN
AGE GROUP 25-29—(Concluded)

Weight	6 Feet		6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 3 Inches		6 Feet 4 Inches		6 Feet 5 Inches		6 Feet 6 Inches		6 Feet 7 Inches	
	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight
123-127	1	127	..	..	1	125	..	..	..	..	..	..	..	..	..	..
128-132	3	392	1	131	..	..	..	..	..	..	..	..	..	..	..	..
133-137	31	4196	1	137	..	..	..	..	..	..	..	..	..	..	..	..
138-142	94	13175	11	1541	1	140	..	..	..	..	..	..	..	..	..	..
143-147	156	22668	37	5365	9	1307	1	145	..	..	..	..	..	..	..	..
148-152	299	44863	50	7512	19	2865	3	450	..	..	..	..	..	..	..	..
153-157	323	50078	76	11798	25	3879	9	1394	1	153	..	..	..	..	1	156
158-162	420	67123	105	16798	37	5929	4	640	..	..	..	..	2	316	..	..
163-167	407	67019	143	23597	44	7261	10	1651	3	494	..	..	..	..	..	..
168-172	391	66390	133	22589	55	9349	19	3229	2	341	2	337	..	..	..	..
173-177	307	53729	132	23096	79	13843	17	2976	3	527	..	..	1	173	..	..
178-182	240	43156	90	16168	77	13860	23	4140	5	896	1	180	..	..	..	..
183-187	171	31642	90	16646	52	9620	15	2779	7	1295	2	370	..	..	..	..
188-192	116	22043	57	10841	32	6079	11	2090	7	1323	1	190	1	190	..	..
193-197	64	12492	40	7797	28	5474	8	1558	8	1559	..	..	..	..	..	..
198-202	107	21367	37	7373	24	4788	10	2000	3	601	1	200	..	..	..	..
203-207	37	7584	21	4297	8	1642	10	2051	..	..	..	..	..	..	..	..
208-212	48	10069	19	3989	10	2108	7	1472	2	424	1	210	..	..	..	..
213-217	25	5367	18	3869	14	3007	5	1073	2	429	1	215	..	..	..	..
218-222	22	4826	11	2416	17	3730	1	220	2	442	1	218	..	..	..	..
223-227	13	2927	11	2477	5	1126	6	1347	3	673	1	225	1	225	..	..
228-232	10	2297	5	1153	4	920	2	460	1	230	..	..	..	..	..	..
233-237	7	1647	1	235	1	235	2	469	..	..	..	..	..	..	..	..
238-242	3	720	2	480	5	1200	..	..	3	720	..	..	..	..	..	..
243-247	..	..	1	245	..	..	..	..	..	..	..	..	..	..	..	..
248-252	2	500	2	500	1	250	1	250	..	..	..	..	..	..	..	..
253-257	2	509	..	..	3	766	..	..	..	..	..	..	..	..	..	..
258-262	1	262	..	..	..	..	..	..	..	..	..	..	..	..	..	..
268-272	..	..	..	..	..	..	1	270	..	..	..	..	..	..	..	..
278-282	..	..	2	560	..	..	..	..	..	..	..	..	..	..	..	..
288-292	..	..	1	290	..	..	..	..	..	..	..	..	..	..	..	..
Total	3300	557168	1097	191900	551	99503	165	30664	52	10107	11	2145	5	904	1	156

AGE GROUP 30-34

Weight	4 Feet 8 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches	
	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight
83-87	..	..	..	..	..	..	1	83	..	..	..	..	..	..	..	..
98-102	..	..	..	..	..	..	2	200	2	200	2	203	..	..	..	..
103-107	..	..	..	..	1	106	..	..	1	105	6	627	4	420	6	631
108-112	..	..	..	..	..	..	1	108	4	440	7	773	17	1869	29	3208
113-117	..	..	..	..	..	..	4	460	8	918	23	2638	39	4490	45	5206
118-122	..	..	1	122	1	118	4	482	8	956	36	4318	55	6604	99	11872
123-127	1	125	..	..	..	..	16	2002	12	1499	30	3743	77	9626	145	18132
128-132	..	..	1	132	..	..	9	1173	9	1161	39	5061	79	10245	199	25868
133-137	..	..	..	..	1	137	5	678	5	679	28	3774	68	9175	222	29976
138-142	..	..	..	..	1	138	8	1123	4	559	23	3206	54	7540	166	23182
143-147	..	..	..	..	..	..	6	869	3	435	14	2027	45	6523	120	17414
148-152	..	..	..	..	..	..	7	1054	4	598	14	2098	26	3888	74	11072
153-157	..	..	..	..	..	..	3	466	3	466	7	1084	16	2478	59	9137
158-162	..	..	..	..	..	..	4	640	..	..	6	964	15	2392	43	6877
163-167	..	..	..	..	..	..	1	165	4	660	2	328	5	824	24	3957
168-172	..	..	..	..	..	..	2	340	..	..	2	339	5	846	21	3570
173-177	..	..	..	..	..	..	1	174	1	175	..	..	5	877	9	1571
178-182	..	..	..	..	..	..	..	..	..	..	2	358	1	181	13	2336
183-187	..	..	..	..	..	..	1	185	1	183	..	..	2	372	8	1488
188-192	..	..	..	..	..	..	1	188	..	..	..	..	..	..	2	382
193-197	..	..	..	..	..	..	..	..	1	197	1	195	..	..	2	390
198-202	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	200
208-212	..	..	..	..	..	..	..	..	..	..	..	..	1	210	..	..
223-227	..	..	..	..	..	..	1	225	..	..	..	..	..	..	..	..
Total	1	125	2	254	4	499	77	10615	70	9231	242	31736	514	68560	1287	176469

TABLE V (Continued)
BUILD—MEN
AGE GROUP 30-34—(Continued)

Weight	5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
98-102	..	..	..	..	..	..	..	..	1	100	..	..	..	..	..	..
103-107	3	318	..	..	..	..	..	..	..	..	..	..	..	..	..	..
108-112	21	2324	18	1991	2	222	3	333	..	..	..	..	..	..	..	..
113-117	53	6110	35	4049	24	2775	10	1158	2	231	..	..	..	..	..	..
118-122	124	14863	123	14770	100	12013	47	5659	13	1569	6	720	2	236	..	..
123-127	277	34670	312	39070	255	32087	165	20681	82	10273	30	3762	5	629	2	250
128-132	355	46146	484	62939	482	62861	363	47236	207	26949	101	13170	21	2735	1	130
133-137	351	47400	609	82296	688	93111	739	99921	442	59737	242	32752	87	11762	24	3249
138-142	327	45702	610	85108	790	110637	959	134127	681	95242	481	67326	202	28319	53	7426
143-147	254	36734	496	71960	697	101271	917	132993	712	103279	626	90720	284	41225	112	16244
148-152	241	36097	485	72640	723	106946	1044	156162	921	137989	870	130403	495	74218	217	32573
153-157	136	21079	296	45917	507	78802	707	109608	709	109935	724	112152	444	68882	238	36918
158-162	124	19839	266	42522	410	65719	754	120528	735	117495	805	128731	578	92411	325	51978
163-167	83	13682	189	31168	320	52955	526	86738	579	95505	684	112824	550	90738	355	58560
168-172	49	8309	153	25982	263	44850	441	74902	437	74206	510	86609	486	82501	341	57939
173-177	31	5429	110	19242	179	31308	348	60847	335	58575	437	76348	393	68765	286	50057
178-182	34	6111	98	17618	145	26076	237	42609	299	53740	399	71764	333	59872	241	43353
183-187	14	2590	43	7962	106	19614	178	32951	211	39053	310	57359	238	44034	195	36110
188-192	6	1141	37	7020	74	14060	139	26406	171	32473	206	39124	195	37053	162	30777
193-197	6	1168	20	3902	40	7794	73	14232	110	21469	133	25941	152	29646	121	23610
198-202	6	1203	21	4200	22	4395	83	16575	104	20781	141	28161	171	34138	135	26994
203-207	..	..	5	1027	16	3273	25	5115	30	6152	54	11059	69	14155	65	13318
208-212	1	210	..	..	9	1892	23	4827	40	8413	54	11329	77	16154	68	14273
213-217	..	..	1	216	4	857	7	1502	14	3007	32	6885	30	6450	43	9252
218-222	2	438	1	220	..	..	13	2851	11	2417	24	5280	42	9217	41	9016
223-227	2	448	..	..	1	225	1	225	10	2251	9	2023	25	5625	28	6291
228-232	..	..	2	458	..	..	..	..	5	1150	7	1613	11	2531	15	3451
233-237	..	..	..	..	1	233	4	940	3	706	4	939	4	939	7	1648
238-242	..	..	2	481	..	..	2	478	2	480	3	720	9	2160	11	2639
243-247	..	..	..	..	..	..	..	..	2	489	1	244	1	245	5	1224
248-252	..	..	..	..	..	..	..	..	..	..	1	250	4	998	3	750
253-257	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	509
258-262	..	..	..	..	..	..	..	..	..	..	1	260	3	778	..	..
263-267	..	..	..	..	..	..	1	267	..	..	..	..	1	265	..	..
Total	2500	352011	4416	642758	5858	873976	7809	1199871	6868	1083666	6895	1118468	4912	826681	3096	538539

AGE GROUP 30-34—(Concluded)

Weight	6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 3 Inches		6 Feet 4 Inches		6 Feet 5 Inches		6 Feet 6 Inches		6 Feet 9 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
128-132	1	130	..	..	..	..	..	..	..	..	..	..	..	..
133-137	3	405	..	..	..	..	..	..	..	..	..	..	..	..
138-142	5	700	2	282	..	..	..	..	..	..	1	140	..	..
143-147	14	2029	3	436	..	..	..	..	..	..	..	..	..	..
148-152	56	8403	10	1498	1	150	..	..	..	..	1	152	..	..
153-157	53	8227	18	2784	..	..	..	..	..	..	..	..	..	..
158-162	67	10715	35	5595	5	804	1	160	..	..	..	..	..	..
163-167	92	15186	56	9262	15	2475	..	..	..	..	..	..	..	..
168-172	114	19360	42	7127	11	1868	1	168	..	..	..	..	..	..
173-177	103	18024	52	9110	17	2980	5	876	1	175	..	..	..	..
178-182	119	21409	41	7369	11	1976	2	358	1	180	1	180	..	..
183-187	77	14251	42	7783	11	2036	3	557	..	..	..	..	..	..
188-192	72	13665	33	6278	14	2654	4	762	..	..	..	..	..	..
193-197	40	7786	30	5860	10	1950	2	390	..	..	..	..	..	..
198-202	55	10982	36	7189	18	3591	4	801	1	200	..	..	..	..
203-207	27	5522	17	3493	6	1227	..	..	..	..	..	..	..	..
208-212	44	9220	21	4412	9	1892	3	630	1	210	..	..	..	..
213-217	28	6013	19	4083	2	429	3	647	1	214	..	..	..	..
218-222	16	3512	17	3739	3	660	3	661	..	..	..	..	..	..
223-227	17	3820	11	2474	6	1349	1	225	2	450	..	..	..	..
228-232	10	2299	7	1610	4	918	..	..	2	460	..	..	..	..
233-237	9	2114	2	470	2	470	..	..	..	..	..	..	..	..
238-242	4	962	4	960	1	240	2	478	..	..	..	..	..	..
243-247	4	979	2	492	3	735	1	245	..	..	..	..	..	..
248-252	4	1000	3	749	1	250	..	..	..	..	1	250	..	..
253-257	1	254	2	509	..	..	..	..	1	256	..	..	..	..
258-262	..	..	1	260	..	..	..	..	..	..	..	..	..	..
263-267	..	..	..	..	2	530	..	..	..	..	..	..	2	526
268-272	1	269	1	270	..	..	..	..	..	..	..	..	..	..
273-277	1	275	..	..	..	..	..	..	..	..	..	..	..	..
283-287	..	..	..	..	..	..	..	..	1	285	..	..	..	..
Total	1037	187511	507	94094	152	29184	35	6958	11	2430	4	722	2	526

TABLE V (Continued)

BUILD—MEN

AGE GROUP 35-39

Weight	4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches	
	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight
98-102	1	100	..	..	1	100	2	200	..	..	1	102	2	202	2	204
103-107	..	..	..	..	1	103	2	212	3	316	5	523	6	632	3	314
108-112	..	..	1	111	1	112	..	..	4	444	6	665	11	1221	9	993
113-117	..	..	..	..	..	..	6	694	..	..	11	1267	15	1726	32	3694
118-122	..	..	..	..	1	120	6	722	10	1192	23	2759	36	4305	94	11259
123-127	..	..	..	..	1	125	7	873	14	1746	25	3125	43	5380	115	14384
128-132	..	..	..	..	..	..	11	1427	12	1560	35	4561	59	7659	117	15195
133-137	..	..	..	..	1	135	6	815	9	1219	23	3108	63	8512	140	18848
138-142	1	138	..	..	..	..	4	562	6	832	18	2511	39	5439	120	16743
143-147	..	..	..	..	..	..	6	867	4	578	11	1600	42	6084	111	16106
148-152	..	..	..	..	..	..	2	300	5	750	16	2391	37	5538	102	15275
153-157	..	..	..	..	..	..	3	463	1	155	10	1549	14	2174	75	11619
158-162	..	..	..	..	..	..	3	478	2	322	7	1123	11	1759	39	6235
163-167	..	..	..	..	..	..	..	..	..	..	4	659	7	1158	44	7265
168-172	..	..	..	..	..	..	2	340	..	..	2	340	5	845	15	2532
173-177	..	..	..	..	..	..	..	..	1	175	..	..	5	875	16	2803
178-182	..	..	..	..	..	..	..	..	..	..	..	..	2	358	12	2152
183-187	..	..	..	..	..	..	1	185	..	..	1	185	4	741	5	927
188-192	..	..	..	..	..	..	1	188	..	..	2	380	1	190	4	758
193-197	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	193
198-202	..	..	..	..	..	..	3	598	..	..	..	..	..	..	1	200
203-207	..	..	..	..	..	..	1	206	..	..	..	..	..	..	1	206
208-212	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	210
Total	2	238	1	111	6	695	66	9130	71	9289	200	26848	402	54798	1059	148115

AGE GROUP 35-39—(Continued)

Weight	5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet	
	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight	Number	Aggregate Weight
98-102	..	..	..	..	..	..	..	..	1	100	..	..	1	100	..	..
103-107	..	..	1	106	1	106	..	..	..	..	..	..	..	..	..	..
108-112	9	1001	2	224	2	222	2	220	1	110	1	111	..	..	..	..
113-117	24	2768	33	3819	22	2546	4	460	2	231	..	..	..	..	..	..
118-122	89	10671	92	11033	67	8058	33	3960	10	1207	4	482	2	242	..	..
123-127	166	20741	176	22009	168	21038	94	11730	37	4647	20	2509	1	125	1	126
128-132	208	27008	289	37584	277	36038	239	31070	115	14968	78	10169	14	1828	3	395
133-137	283	38223	444	59978	474	64073	499	67365	259	35067	183	24774	67	9066	7	952
138-142	249	34827	456	63782	538	75289	615	86000	411	57516	331	46336	121	16937	28	3914
143-147	191	27702	369	53557	517	75013	641	92953	465	67445	435	62887	197	28596	65	9438
148-152	194	29067	395	59178	504	75550	726	108797	626	93806	634	95026	277	41515	139	20849
153-157	112	17380	278	43109	373	57789	563	87258	456	70701	524	81271	305	47313	154	23867
158-162	143	22845	253	40427	413	66031	596	95322	554	88582	584	93382	356	56974	221	35361
163-167	93	15342	228	37598	278	45836	496	81828	458	75545	503	82994	410	67665	217	35807
168-172	70	11887	160	27160	225	38190	401	68011	393	66748	474	80509	362	61483	221	37528
173-177	43	7510	119	20803	181	31680	333	58251	311	54402	404	70664	307	53700	208	36393
178-182	40	7201	94	16899	141	25348	270	48522	270	48532	328	58970	306	55016	199	35773
183-187	22	4076	60	11098	102	18878	164	30320	244	45176	267	49433	246	45510	168	31089
188-192	9	1709	37	7022	72	13677	131	24887	163	30942	208	39521	219	41627	166	31538
193-197	3	586	20	3900	36	7018	99	19306	119	23219	143	27906	174	33938	108	21061
198-202	10	1995	12	2396	29	5798	105	20965	116	23487	179	35759	167	33356	160	31986
203-207	..	..	6	1229	16	3281	32	6564	45	9222	67	13746	59	12091	70	14348
208-212	2	420	2	418	10	2090	28	5865	49	10270	76	15946	61	12796	92	19316
213-217	1	215	2	430	4	859	10	2147	31	6670	22	4729	59	12679	46	9897
218-222	..	..	2	438	1	220	9	1976	14	3078	44	9683	42	9236	44	9675
223-227	..	..	1	225	1	224	4	898	7	1575	19	4273	33	7424	46	10347
228-232	..	..	..	..	1	230	1	230	4	915	4	918	26	5980	22	5055
233-237	1	235	..	..	1	235	..	..	4	941	4	937	11	2589	8	1877
238-242	1	240	1	240	..	..	2	480	1	240	4	957	7	1679	19	4565
243-247	..	..	..	..	1	245	2	490	..	..	3	737	3	733	5	1225
248-252	..	..	..	..	..	..	..	..	1	250	..	..	5	1248	8	2004
253-257	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	253
258-262	..	..	..	..	..	..	..	..	..	..	..	..	1	258	1	258
263-267	..	..	..	..	..	..	..	..	1	265	..	..	..	..	..	..
268-272	..	..	..	..	..	..	..	..	..	..	1	270	..	..	..	..
278-282	..	..	..	..	..	..	..	..	..	..	..	..	1	280	2	560
Total	1963	283649	3532	524662	4455	675562	6099	955875	5168	835857	5544	914899	3840	661984	2429	435457

TABLE V (Continued)
BUILD—MEN
AGE GROUP 35-39—(Concluded)

Weight	6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 3 Inches		6 Feet 4 Inches		6 Feet 5 Inches		6 Feet 6 Inches		6 Feet 7 Inches		6 Feet 8 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
123-127	1	127	..	..	..	..	..	..	..	..	..	..	..	..	..	..
128-132	2	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133-137	1	137	..	..	..	..	..	..	..	..	..	..	..	..	..	..
138-142	5	700	2	284	1	140	..	..	..	..	..	..	..	..	..	..
143-147	9	1307	4	579	..	..	..	..	..	..	..	..	1	145	..	..
148-152	13	1952	6	902	1	150	..	..	..	..	..	..	..	..	..	..
153-157	36	5590	6	930	5	772	..	..	..	..	..	..	..	..	..	..
158-162	43	6864	16	2561	2	319	2	322	..	..	..	..	..	..	..	..
163-167	61	10066	27	4463	2	326	1	165	2	328	..	..	..	..	..	..
168-172	89	15113	27	4584	7	1184	3	508	1	170	..	..	..	..	..	..
173-177	79	13821	41	7175	13	2280	1	175	1	175	..	..	..	..	..	..
178-182	50	8989	35	6298	4	718	4	722	..	..	..	..	..	..	..	..
183-187	81	14993	36	6666	18	3335	3	554	1	187	..	..	..	..	..	..
188-192	61	11582	33	6271	4	761	9	1713	..	..	..	..	..	..	..	..
193-197	39	7612	21	4093	5	974	4	777	..	..	..	..	..	..	1	195
198-202	37	7398	30	5999	7	1398	1	200	..	..	..	..	..	..	..	..
203-207	23	4715	10	2048	4	820	1	203	1	205	..	..	..	..	..	..
208-212	35	7354	26	5453	5	1048	2	418	..	..	..	..	..	..	..	..
213-217	23	4946	13	2799	5	1077	2	431	..	..	..	..	..	..	..	..
218-222	31	6814	16	3517	8	1760	2	437	1	218	..	..	..	..	..	..
223-227	15	3375	17	3822	7	1577	1	224	2	451	1	225	..	..	..	..
228-232	23	5290	13	2991	5	1148	3	690	..	..	..	..	..	..	..	..
233-237	8	1879	5	1176	4	941	2	471	1	235	..	..	..	..	..	..
238-242	10	2396	10	2398	4	962	2	478	..	..	..	..	..	..	..	..
243-247	5	1221	4	980	2	492	2	492	1	246	..	..	..	..	..	..
248-252	3	749	3	750	1	250	3	750	..	..	..	..	..	..	..	..
253-257	2	509	5	1275	1	255	..	..	..	..	..	..	..	..	..	..
258-262	2	520	1	260	..	..	1	260	..	..	..	..	..	..	1	260
263-267	..	..	2	528	..	..	..	..	..	..	..	..	..	..	..	..
268-272	3	808	..	..	..	..	..	..	..	..	..	..	..	..	..	..
273-277	1	276	1	275	..	..	..	..	..	..	..	..	..	..	..	..
Total	791	147366	410	79077	115	22687	49	9990	11	2215	1	225	1	145	2	455

AGE GROUP 40-44

Weight	4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
88-92	1	90	..	..	1	90	..	..	..	..	..	..	..	..	..	..
93-97	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	95
98-102	..	..	..	..	..	..	1	100	1	102	..	..	..	..	..	..
103-107	..	..	..	..	1	105	..	..	..	..	1	105	..	..	1	106
108-112	..	..	..	..	..	..	1	110	4	440	13	1448	3	330	15	1663
113-117	..	..	..	..	1	115	5	574	4	458	7	802	12	1382	12	1387
118-122	..	..	..	..	1	120	3	358	9	1078	7	848	16	1915	42	4899
123-127	1	123	..	..	..	..	4	500	3	371	17	2136	41	5125	79	9889
128-132	..	..	..	..	..	..	6	780	7	903	26	3375	31	4023	71	9225
133-137	..	..	..	..	..	..	3	405	4	540	9	1214	31	4196	99	13373
138-142	..	..	1	140	..	..	1	140	5	702	15	2093	23	3216	97	13545
143-147	..	..	..	..	..	..	2	290	6	871	13	1891	28	4053	75	10866
148-152	..	..	..	..	..	..	2	301	3	450	10	1497	23	3448	70	10485
153-157	..	..	..	..	..	..	4	618	3	465	5	771	19	2942	41	6357
158-162	1	158	..	..	..	..	1	160	..	..	5	798	7	1118	40	6396
163-167	..	..	..	..	..	..	..	..	2	327	4	660	7	1160	23	3780
168-172	..	..	..	..	..	..	..	..	1	169	2	342	9	1524	25	4236
173-177	..	..	..	..	..	..	1	175	..	..	1	175	3	522	18	3143
178-182	..	..	..	..	..	..	1	180	1	178	1	179	2	361	8	1440
183-187	..	..	..	..	..	..	..	..	..	..	1	185	3	553	1	187
188-192	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	758
193-197	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	974
198-202	..	..	..	..	..	..	..	..	..	..	1	200	..	..	2	398
203-207	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	413
208-212	..	..	..	..	..	..	..	..	1	210	..	..	..	..	..	..
218-222	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	220
Total	3	371	1	140	4	430	35	4691	54	7264	138	18719	258	35868	732	103835

TABLE V (Continued)
BUILD—MEN
AGE GROUP 40-44—(Continued)

Weight	5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
98-102	1	102	1	102	..	..	..	..	..	..	..	..	..	..	..	..
108-112	12	1328	3	330	3	336	..	..	..	..	..	..	..	..	..	..
113-117	10	1156	12	1385	8	926	8	920	..	..	..	..	1	115	..	..
118-122	50	5993	51	6134	24	2881	25	3001	6	724	1	122	..	..	..	..
123-127	99	12395	98	12260	85	10647	63	7897	38	4763	4	504	3	375	..	..
128-132	136	17650	183	23802	155	20163	159	20687	55	7165	37	4820	10	1300	2	258
133-137	171	23117	235	31755	292	39469	258	34899	143	19338	101	13675	20	2709	5	679
138-142	174	24324	268	37464	337	47142	398	55655	255	35686	184	25759	61	8552	23	3221
143-147	137	19882	227	32934	310	44958	414	60080	285	41374	245	35538	118	17105	46	6682
148-152	129	19339	258	38657	335	50176	477	71467	377	56553	388	58158	156	23381	62	9295
153-157	94	14568	187	28995	262	40609	380	58961	296	45919	305	47318	161	24876	69	10697
158-162	106	16946	183	29256	268	42866	397	63494	322	51513	367	58682	253	40381	110	17602
163-167	74	12209	161	26554	189	31192	339	55938	290	47864	359	59159	230	37946	157	25820
168-172	57	9684	143	24288	178	30222	264	44841	268	45561	271	46022	212	36016	138	23431
173-177	39	6825	111	19421	151	26427	264	46200	219	38326	266	46467	218	38150	140	24484
178-182	24	4320	74	13306	119	21384	203	36486	217	39030	255	45840	208	37409	136	24464
183-187	19	3507	42	7764	86	15918	139	25728	166	30706	202	37372	189	34976	108	19994
188-192	9	1709	26	4934	55	10457	101	19179	131	24904	170	32335	128	24326	103	19567
193-197	6	1170	21	4090	35	6828	63	12288	105	20485	87	16958	98	19129	76	14839
198-202	7	1400	18	3602	36	7202	69	13778	113	22567	140	27983	128	25600	129	25784
203-207	..	..	6	1228	10	2046	26	5326	42	8608	45	9220	52	10656	46	9433
208-212	..	..	3	629	12	2518	34	7135	45	9435	48	10077	87	18254	63	13244
213-217	1	215	1	216	2	430	14	3009	23	4959	34	7312	40	8602	42	9037
218-222	..	..	..	..	9	1980	6	1312	16	3516	31	6810	46	10134	44	9682
223-227	..	..	2	450	2	451	2	450	8	1802	23	5171	27	6077	23	5178
228-232	..	..	1	230	2	458	1	230	5	1148	8	1838	12	2755	16	3674
233-237	..	..	..	..	2	470	3	705	2	472	5	1171	2	468	9	2119
238-242	..	..	2	480	1	240	2	480	2	477	7	1680	8	1918	14	3359
243-247	..	..	..	..	..	..	..	..	..	..	2	490	4	982	5	1221
248-252	..	..	..	..	..	..	1	252	..	..	3	752	7	1748	5	1250
253-257	..	..	..	..	..	..	..	..	1	255	..	..	..	..	2	510
258-262	..	..	..	..	..	..	..	..	..	..	..	..	1	260	..	..
263-267	..	..	..	..	..	..	1	265	..	..	..	..	2	528	..	..
268-272	..	..	..	..	..	..	..	..	..	..	..	..	1	270	..	..
288-292	..	..	..	..	..	..	1	288	..	..	..	..	..	..	..	..
Total	1355	197839	2317	350266	2968	458396	4112	650951	3430	563150	3588	601233	2483	434998	1573	285524

TABLE V (Continued)

BUILD—MEN

AGE GROUP 40-44—(Concluded)

Weight	6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 3 Inches		6 Feet 4 Inches		6 Feet 5 Inches		6 Feet 6 Inches		6 Feet 7 Inches		6 Feet 8 Inches		6 Feet 11 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
118-122	..	..	..	..	1	122	..	..	..	..	..	..	..	..	..	..	..	..
133-137	1	135	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
138-142	4	562	1	142	..	..	..	..	..	..	..	..	..	..	..	..	..	..
143-147	6	871	1	145	..	..	1	145	..	..	..	..	..	..	..	..	..	..
148-152	16	2402	7	1053	..	..	..	..	..	..	..	..	..	..	..	..	..	..
153-157	17	2640	4	621	..	..	..	..	..	..	..	..	..	..	..	..	..	..
158-162	25	4010	11	1755	2	318	1	160	..	..	..	..	..	..	1	160	..	..
163-167	51	8419	11	1815	1	165	..	..	..	..	..	..	..	..	..	1	165	..
168-172	42	7148	15	2549	4	683	2	340	..	..	..	..	..	..	..	..	..	..
173-177	54	9417	19	3329	3	526	1	175	..	..	..	..	..	..	..	..	..	..
178-182	42	7552	19	3413	4	722	1	181	..	..	1	180	..	..	..	..	..	..
183-187	48	8884	20	3705	6	1109	3	553	1	185	..	..	..	..	..	..	..	..
188-192	27	5130	19	3612	7	1330	2	378	..	..	..	..	..	..	..	..	..	..
193-197	25	4868	9	1758	5	974	1	195	..	..	..	..	..	..	..	..	..	..
198-202	36	7190	29	5768	5	996	1	200	..	..	1	200	1	202	..	..	..	..
203-207	22	4516	10	2048	6	1230	1	207	..	..	..	..	..	..	..	..	..	..
208-212	37	7784	16	3361	1	208	1	210	1	210	..	..	..	..	..	..	..	..
213-217	22	4737	17	3655	5	1077	1	215	..	..	..	..	..	..	..	..	..	..
218-222	10	2197	15	3296	..	..	1	218	..	..	..	..	..	..	..	..	..	..
223-227	10	2248	9	2028	4	900	2	450	..	..	..	..	..	..	..	..	..	..
228-232	13	2985	6	1378	2	459	1	230	1	230	..	..	..	..	..	..	..	..
233-237	6	1406	7	1645	2	469	2	473	1	235	..	..	..	..	..	..	..	..
238-242	6	1438	4	958	1	240	1	240	..	..	..	..	..	..	..	..	..	..
243-247	3	737	6	1468	4	980	1	245	..	..	..	..	..	..	..	..	..	..
248-252	4	1002	..	..	2	500	3	750	1	248	..	..	..	..	..	..	..	..
253-257	..	..	1	255	..	..	..	..	..	..	..	..	..	..	..	..	..	..
258-262	1	260	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
273-277	..	..	..	..	..	..	..	..	..	..	1	275	..	..	..	..	..	..
278-282	..	..	..	..	..	..	1	280	..	..	..	..	..	..	..	..	..	..
283-287	..	..	..	..	..	..	1	285	..	..	1	284	..	..	..	..	..	..
Total	528	98538	256	49757	65	13008	29	6130	5	1108	4	939	1	202	1	160	1	165

AGE GROUP 45-49

Weight	4 Feet 8 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
93-97	..	..	..	..	..	..	..	..	..	..	1	94	..	..	..	..
98-102	..	..	..	..	..	..	..	..	..	..	1	102	1	98	1	102
103-107	..	..	..	..	..	..	1	104	2	210	1	105	1	105	2	210
108-112	..	..	..	..	2	222	2	220	2	220	3	334	5	551	4	441
113-117	..	..	..	..	1	116	..	..	4	458	4	465	10	1153	10	1156
118-122	..	..	..	..	1	122	5	599	7	844	10	1202	24	2879	23	2766
123-127	..	..	1	125	..	..	2	249	9	1126	21	2624	37	4631	53	6631
128-132	1	128	1	128	5	645	2	258	11	1432	16	2076	35	4554	69	8968
133-137	..	..	1	135	2	272	7	949	16	2152	26	3518	52	7022	80	10802
138-142	..	..	..	..	2	280	3	423	4	560	17	2372	44	6137	72	10071
143-147	..	..	..	..	3	435	..	..	5	728	23	3341	46	6684	84	12182
148-152	..	..	1	149	2	298	2	298	4	595	24	3586	36	5402	78	11684
153-157	..	..	..	..	1	153	2	310	5	773	8	1234	33	5114	56	8669
158-162	..	..	..	..	..	..	1	160	1	160	7	1122	36	5742	47	7500
163-167	..	..	..	..	..	..	2	328	3	495	6	989	25	4122	48	7913
168-172	..	..	..	..	1	168	..	..	2	340	1	169	16	2720	26	4408
173-177	..	..	..	..	2	350	1	175	1	174	7	1229	10	1746	30	5250
178-182	..	..	..	..	..	..	..	..	..	..	1	180	4	717	21	3779
183-187	..	..	..	..	..	..	..	..	1	183	1	185	5	922	9	1663
188-192	..	..	..	..	..	..	..	..	1	192	2	382	4	759	8	1517
193-197	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	980
198-202	..	..	..	..	..	..	..	..	..	..	..	..	1	200	4	798
203-207	..	..	..	..	..	..	..	..	..	..	..	..	2	406	..	..
208-212	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	418
218-222	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	221
Total	1	128	4	537	22	3061	30	4073	78	10642	180	25309	427	61664	733	108129

TABLE V (Continued)
BUILD—MEN
AGE GROUP 45-49—(Continued)

Weight	5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 1 Inch	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
98-102	..	..	..	..	..	..	1	101	..	..	..	..	..	..	..	..
113-117	7	801	5	577	2	231	..	..	..	..	..	..	..	..	..	..
118-122	29	3481	23	2769	4	480	2	242	2	239	1	120	..	..	..	..
123-127	56	7013	41	5125	43	5403	13	1634	6	754	..	..	..	..	..	..
128-132	88	11458	88	11440	70	9112	30	3902	18	2347	9	1172	2	264	..	..
133-137	122	16484	134	18129	126	17010	67	9077	42	5673	14	1896	1	135	..	..
138-142	141	19710	170	23776	211	29562	132	18480	84	11765	31	4337	9	1261	2	278
143-147	140	20315	137	19868	198	28774	164	23806	137	19843	61	8846	21	3058	5	726
148-152	167	25034	191	28621	255	38240	216	32389	195	29202	73	10961	38	5711	7	1053
153-157	103	15970	130	20144	194	30105	163	25268	142	21978	103	15990	40	6200	13	2019
158-162	101	16152	139	22226	230	36775	175	27992	188	30027	115	18401	49	7849	14	2235
163-167	103	16987	136	22440	189	31181	159	26233	194	31964	143	23591	85	14028	26	4294
168-172	85	14436	113	19216	154	26173	129	21903	166	28154	103	17514	77	13081	17	2884
173-177	60	10505	102	17844	188	32886	161	28182	174	30402	108	18898	83	14531	19	3327
178-182	52	9345	83	14936	126	22673	136	24454	146	26222	110	19788	78	14025	20	3593
183-187	37	6848	64	11845	121	22404	102	18884	132	24377	109	20188	62	11472	27	4987
188-192	26	4945	40	7600	81	15391	89	16934	116	21987	88	16740	45	8563	19	3619
193-197	14	2730	23	4494	42	8183	52	10149	76	14783	66	12858	54	10536	23	4486
198-202	13	2601	13	2588	48	9597	64	12789	106	21154	91	18186	68	13594	30	6002
203-207	6	1230	12	2451	11	2246	19	3894	38	7793	29	5944	33	6768	8	1640
208-212	5	1050	9	1883	16	3359	25	5250	36	7558	52	10902	51	10710	22	4630
213-217	4	859	3	645	9	1935	15	3223	23	4950	26	5583	27	5804	12	2579
218-222	1	220	3	656	5	1104	10	2194	23	5046	34	7457	28	6149	10	2201
223-227	2	450	..	..	5	1126	4	894	19	4281	17	3830	18	4049	16	3601
228-232	1	230	1	230	3	690	2	458	7	1605	12	2765	12	2758	4	922
233-237	..	..	..	..	1	235	2	470	9	2115	6	1412	13	3054	6	1412
238-242	1	240	..	..	2	478	3	720	5	1200	6	1441	4	956	5	1201
243-247	..	..	..	..	..	..	1	247	..	..	2	490	..	..	3	737
248-252	..	..	1	250	..	..	..	..	1	250	3	748	1	250	..	..
253-257	..	..	..	..	..	..	2	511	4	1023	1	255	..	..	..	..
258-262	..	..	..	..	..	..	..	..	..	..	..	..	2	518	..	..
263-267	1	263	..	..	..	..	1	265	..	..	..	..	..	..	..	..
268-272	..	..	..	..	..	..	..	..	1	270	..	..	..	..	..	..
Total	1365	209357	1661	259753	2334	375353	1939	320545	2090	356962	1413	250313	901	165324	308	58426

AGE GROUP 45-49—(Concluded)

Weight	6 Feet 2 Inches		6 Feet 3 Inches		6 Feet 4 Inches		6 Feet 5 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
138-142	..	..	1	141	..	..	..	..
143-147	1	145	..	..	..	..	..	..
148-152	..	..	1	150	..	..	..	..
153-157	5	776	1	157	..	..	..	..
158-162	5	794	1	160	1	160	..	..
163-167	6	988	1	165	3	494	..	..
168-172	4	679	1	169	..	..	..	..
173-177	7	1226	3	524	3	525	1	175
178-182	15	2699	..	..	1	180	..	..
183-187	15	2776	2	372	1	185	1	184
188-192	15	2854	6	1140	..	..	1	188
193-197	4	778	1	195	1	195	..	..
198-202	9	1798	1	200	..	..	..	..
203-207	11	2254	3	615	..	..	..	..
208-212	13	2732	5	1052	..	..	1	212
213-217	7	1504	2	430	..	..	..	..
218-222	6	1318	3	660	3	662	..	..
223-227	9	2028	1	225	..	..	..	..
228-232	6	1378	2	460	1	230	..	..
233-237	1	235	..	..	..	..	..	..
238-242	7	1680	..	..	3	720	..	..
248-252	3	750	..	..	2	496	..	..
253-257	2	510	..	..	..	..	..	..
258-262	..	..	2	517	..	..	..	..
263-267	..	..	1	265	..	..	..	..
268-272	..	..	..	..	..	..	1	268
303-307	1	303	..	..	..	..	..	..
Total	152	30205	38	7597	19	3847	5	1027

TABLE V (Continued)

BUILD—MEN

AGE GROUP 50-53

Weight	4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
98-102	..	..	..	..	..	..	..	..	..	..	1	100	..	..	..	..
103-107	..	..	..	..	..	..	..	..	..	..	..	..	1	107	..	..
108-112	..	..	..	..	..	..	1	112	..	..	1	110	2	220	5	550
113-117	..	..	..	..	..	..	1	115	1	115	3	347	5	575	4	464
118-122	1	120	1	119	1	118	2	239	4	480	9	1080	13	1562	16	1920
123-127	..	..	..	..	1	127	..	..	2	250	17	2129	10	1253	25	3133
128-132	..	..	..	..	..	..	3	390	4	516	13	1688	20	2593	28	3634
133-137	..	..	..	..	3	407	..	..	4	543	13	1761	15	2033	38	5136
138-142	1	140	..	..	1	138	..	..	5	700	14	1957	14	1963	48	6714
143-147	..	..	..	..	..	..	1	145	5	725	11	1594	30	4361	40	5807
148-152	..	..	..	..	1	152	..	..	6	901	11	1648	22	3303	46	6883
153-157	..	..	..	..	..	..	1	153	1	155	6	928	15	2324	25	3886
158-162	1	161	..	..	..	..	1	159	3	481	6	964	9	1439	22	3524
163-167	..	..	..	..	..	..	..	..	3	495	2	328	8	1320	27	4459
168-172	..	..	..	..	1	169	1	169	1	172	4	680	8	1358	19	3230
173-177	..	..	..	..	..	..	1	175	1	175	3	526	4	698	13	2268
178-182	..	..	..	..	..	..	..	..	..	..	..	..	3	543	6	1078
183-187	..	..	..	..	..	..	..	..	..	..	..	..	2	368	7	1298
188-192	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	567
193-197	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	587
198-202	..	..	..	..	..	..	..	..	..	..	1	200	1	198	3	597
203-207	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	411
Total	3	421	1	119	8	1111	12	1657	40	5708	115	16040	182	26218	380	56146

AGE GROUP 50-53—(Continued)

Weight	5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 1 Inch	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
98-102	..	..	..	..	..	..	..	..	1	100	..	..	..	..	..	..
103-107	1	105	..	..	..	..	..	..	..	..	..	..	..	..	..	..
108-112	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
113-117	3	346	1	115	2	230	..	..	..	..	1	115	..	..	..	..
118-122	7	840	11	1324	1	118	3	358	..	..	..	..	..	..	..	..
123-127	18	2248	15	1875	13	1631	6	747	4	499	2	252	..	..	..	..
128-132	42	5461	30	3906	34	4432	15	1956	11	1430	4	521	1	130	..	..
133-137	52	7026	45	6091	62	8389	34	4603	25	3381	4	542	3	406	..	..
138-142	49	6870	76	10705	69	9651	41	5735	48	6718	16	2245	10	1401	1	140
143-147	66	9571	66	9630	67	9710	67	9741	32	4641	28	4067	12	1740	1	145
148-152	69	10329	80	12113	136	20376	79	11868	91	13647	36	5396	21	3151	4	599
153-157	36	5585	58	9012	92	14268	67	10390	70	10858	42	6511	27	4196	4	618
158-162	58	9292	50	8003	95	15193	74	11840	71	11350	43	6874	30	4795	6	958
163-167	53	8745	55	9067	88	14515	84	13860	88	14519	55	9080	36	5937	5	825
168-172	41	6971	68	11636	91	15451	70	11892	90	15180	47	7988	38	6444	13	2214
173-177	32	5593	48	8415	66	11555	67	11701	59	10320	52	9103	56	9796	11	1923
178-182	24	4322	42	7555	67	12062	58	10434	62	11144	48	8626	50	8997	10	1799
183-187	15	2781	18	3336	53	9791	54	9987	67	12402	60	11121	36	6661	10	1849
188-192	9	1713	11	2095	34	6450	39	7403	51	9690	51	9705	25	4753	11	2088
193-197	7	1364	16	3126	25	4884	43	8400	36	7020	27	5267	19	3714	7	1364
198-202	6	1199	14	2795	29	5784	39	7786	41	8185	39	7793	33	6592	6	1200
203-207	..	..	3	616	3	617	10	2044	21	4313	8	1638	21	4304	7	1433
208-212	..	..	3	631	11	2311	17	3558	25	5241	27	5670	29	6096	4	842
213-217	1	216	3	647	2	429	6	1289	13	2799	12	2578	11	2369	3	647
218-222	1	220	..	..	7	1538	7	1538	12	2638	12	2638	13	2860	6	1321
223-227	1	224	1	225	2	450	1	225	5	1123	10	2246	9	2025	3	675
228-232	..	..	..	..	4	919	1	232	4	918	4	917	8	1832	6	1380
233-237	..	..	..	..	..	..	..	..	1	235	5	1176	8	1879	2	469
238-242	1	239	..	..	..	..	2	480	..	..	2	480	6	1438	6	1442
243-247	..	..	..	..	..	..	1	243	2	490	..	..	..	..	1	245
248-252	..	..	..	..	..	..	..	..	1	250	1	248	1	250	2	498
263-267	..	..	..	..	1	265	..	..	..	..	..	..	..	..	..	..
273-277	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	275
278-282	..	..	..	..	..	..	..	..	1	280	..	..	2	558	..	..
Total	592	91260	714	112918	1054	171019	885	148310	932	159371	636	112797	505	92324	130	24949

TABLE V (Continued)
BUILD—MEN
AGE GROUP 50-53—(Concluded)

Weight	6 Feet 2 Inches		6 Feet 3 Inches		6 Feet 4 Inches		6 Feet 5 Inches		6 Feet 6 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
153-157	1	155	..	..	..	..	..	..	..	..
158-162	..	..	2	322	..	..	..	..	..	..
163-167	5	829	1	167	..	..	..	..	..	..
168-172	8	1358	2	338	..	..	..	..	..	..
173-177	3	525	3	525	..	..	..	..	..	..
178-182	3	542	1	180	1	178	..	..	..	..
183-187	5	925	2	371	..	..	..	..	..	..
188-192	1	190	..	..	..	..	..	..	..	..
193-197	4	778	1	195	..	..	..	..	..	..
198-202	5	1000	1	200	..	..	..	..	..	..
203-207	6	1228	1	205	..	..	..	..	..	..
208-212	3	633	2	420	..	..	..	..	..	..
213-217	3	646	..	..	..	..	..	..	..	..
218-222	3	660	2	440	..	..	..	..	..	..
223-227	4	900	1	224	..	..	1	225	..	..
228-232	1	230	..	..	..	..	..	..	..	..
233-237	1	237	1	233	..	..	..	..	..	..
238-242	5	1200	3	720	2	482	..	..	..	..
243-247	1	244	2	490	..	..	..	..	1	245
248-252	..	..	2	499	..	..	..	..	..	..
273-277	..	..	..	..	1	275	..	..	..	..
Total	62	12280	27	5529	4	935	1	225	1	245

AGE GROUP 54-56

Weight	4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
103-107	..	..	..	..	..	..	..	..	1	107	..	..	1	105	..	..	..	..
108-112	..	..	..	..	..	..	..	..	..	..	2	222	..	..	1	108	..	..
113-117	..	..	..	..	..	..	2	231	2	232	8	917	2	230	1	116	..	..
118-122	..	..	..	..	2	242	3	358	1	120	3	359	6	720	6	724	4	477
123-127	1	124	..	..	..	..	4	502	1	125	6	750	7	874	17	2125	3	375
128-132	..	..	..	..	1	131	3	390	5	652	7	910	9	1168	15	1948	15	1943
133-137	..	..	..	..	2	272	5	675	2	274	11	1483	11	1492	34	4593	21	2841
138-142	..	..	..	..	1	140	4	558	1	140	8	1116	23	3223	33	4615	28	3924
143-147	..	..	..	..	..	..	2	291	2	290	17	2474	13	1883	35	5074	50	7255
148-152	..	..	..	..	..	..	3	450	4	597	17	2547	12	1795	37	5547	40	6000
153-157	..	..	1	155	..	..	1	155	4	621	5	773	13	2019	28	4341	43	6664
158-162	..	..	..	..	..	..	1	162	3	477	9	1438	12	1923	26	4163	40	6397
163-167	..	..	..	..	..	..	..	..	1	166	3	496	11	1819	23	3796	26	4300
168-172	..	..	..	..	..	..	..	..	1	170	2	339	14	2388	23	3913	30	5098
173-177	..	..	..	..	..	..	..	..	1	176	4	697	7	1226	24	4193	19	3324
178-182	..	..	..	..	..	..	1	181	2	360	..	..	6	1079	6	1080	21	3776
183-187	..	..	..	..	..	..	..	..	1	185	2	370	3	553	4	741	16	2956
188-192	..	..	..	..	..	..	..	..	..	..	..	..	1	188	3	568	7	1333
193-197	..	..	1	196	..	..	..	..	..	..	..	..	..	..	3	585	3	587
198-202	..	..	..	..	..	..	..	..	..	..	1	200	2	398	4	800	11	2204
203-207	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	411
208-212	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	210
213-217	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	215	2	430
218-222	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	218	..	..
223-227	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	225
228-232	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	458
243-247	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	243
Total	1	124	2	351	6	785	29	3953	32	4692	105	15091	153	23083	325	49463	386	61431

TABLE V (Continued)

BUILD—MEN

AGE GROUP 54-56—(Concluded)

Weight	5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 3 Inches		6 Feet 4 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
113-117	1	113	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
118-122	1	120	2	243	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123-127	7	872	3	375	..	..	1	125	1	123	..	..	..	..	..	..	..	..
128-132	13	1694	9	1174	3	393	2	262	2	258	..	..	..	..	..	..	..	..
133-137	22	2981	9	1216	6	810	3	404	..	..	..	..	..	..	..	..	..	..
138-142	48	6705	27	3789	10	1398	13	1818	1	138	1	140	..	..	..	..	..	..
143-147	42	6090	21	3046	25	3629	22	3191	8	1162	..	..	..	..	..	1	145	..
148-152	47	7039	34	5092	32	4794	12	1796	5	750	..	..	..	..	..	..	..	..
153-157	39	6052	29	4496	33	5115	17	2639	3	463	4	618	3	465	1	155	..	..
158-162	44	7034	42	6724	41	6560	23	3677	17	2722	4	642	..	..	1	160	..	..
163-167	35	5769	35	5780	38	6271	22	3628	12	1975	1	163	3	495	..	..	..	..
168-172	44	7477	25	4249	32	5436	18	3060	17	2882	3	506	2	340	..	..	1	170
173-177	28	4889	30	5253	39	6829	29	5071	15	2623	3	527	..	..	..	..	..	..
178-182	41	7374	45	8093	31	5572	24	4318	17	3059	5	898	2	360	1	182	..	..
183-187	26	4815	27	5005	26	4812	21	3891	19	3519	5	929	1	185	..	..	1	185
188-192	20	3799	17	3221	31	5893	16	3041	18	3427	1	189	1	192	..	..	..	..
193-197	14	2726	9	1756	19	3708	12	2339	7	1366	2	390	1	193	..	..	..	..
198-202	7	1399	16	3189	19	3790	20	3997	14	2796	3	600	2	400	1	200	..	..
203-207	5	1028	4	818	6	1233	5	1024	6	1237	6	1235	1	205	..	..	1	207
208-212	2	422	5	1046	8	1683	19	3989	12	2518	2	418	2	420	..	..	..	..
213-217	3	643	4	859	4	859	4	864	6	1288	5	1075	1	216	..	..	..	..
218-222	4	880	3	658	4	880	10	2201	7	1538	4	880	1	220	1	220	..	..
223-227	2	452	5	1122	14	3130	2	452	3	677	1	223	1	225	..	..	..	..
228-232	..	..	4	921	3	692	1	230	3	690	..	..	1	230	..	..	..	..
233-237	1	235	..	..	1	237	5	1172	1	235	1	235	..	..	..	..	..	..
238-242	..	..	..	..	1	240	2	479	3	720	1	240	..	..	..	..	..	..
243-247	1	244	1	244	2	492	..	..	1	245	1	245	..	..	..	..	..	..
248-252	..	..	..	..	..	..	1	248	3	748	..	..	1	249	..	..	..	..
253-257	..	..	..	..	..	..	..	..	..	..	..	..	..	1	253	1	255	..
258-262	..	..	..	..	..	..	..	..	..	..	1	260	..	..	..	..	..	..
263-267	..	..	..	..	..	..	..	..	1	264	..	..	..	..	..	..	..	..
268-272	..	..	..	..	1	270	..	..	..	..	..	..	..	..	..	..	..	..
273-277	..	..	..	..	..	..	..	..	..	..	..	..	..	1	275	..	..	..
Total	497	80852	406	68369	429	74726	304	53916	202	37423	54	10413	24	4640	7	1445	5	962

AGE GROUP 57-59

Weight	5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
108-112	..	..	1	110	..	..	2	218	1	110	1	112	..	..	..	..	1	110
113-117	..	..	..	..	1	113	1	115	2	231	2	228	3	346	2	230	..	..
118-122	..	..	..	..	..	..	2	242	2	242	3	360	1	121	3	360	3	360
123-127	..	..	..	..	..	..	5	627	4	500	2	252	8	1001	10	1258	4	498
128-132	..	..	..	..	1	131	4	518	4	522	9	1161	7	914	9	1171	14	1819
133-137	..	..	..	..	..	..	3	406	7	944	13	1756	23	3108	8	1081	18	2436
138-142	..	..	..	..	..	..	3	419	8	1117	12	1678	13	1818	18	2515	17	2384
143-147	1	145	1	145	2	290	1	145	6	874	9	1312	24	3483	18	2608	24	3484
148-152	..	..	..	..	..	..	..	..	8	1196	7	1050	21	3154	25	3748	31	4643
153-157	1	154	..	..	..	..	2	310	4	622	10	1552	19	2947	22	3403	23	3564
158-162	..	..	..	..	2	320	2	319	1	160	4	642	15	2395	13	2082	35	5604
163-167	..	..	..	..	1	167	..	..	..	..	8	1315	9	1481	12	1984	31	5118
168-172	..	..	..	..	1	168	1	170	1	170	3	510	19	3229	8	1360	21	3568
173-177	..	..	..	..	..	..	..	..	2	348	4	697	15	2625	16	2801	14	2450
178-182	..	..	..	..	..	..	..	..	1	178	4	726	10	1795	13	2337	25	4499
183-187	..	..	..	..	..	..	..	..	..	..	1	185	9	1658	9	1668	17	3149
188-192	..	..	..	..	..	..	..	..	..	..	2	378	5	950	5	949	15	2852
193-197	..	..	..	..	..	..	..	..	..	..	3	583	4	780	4	785	6	1167
198-202	..	..	..	..	..	..	..	..	..	..	..	..	2	401	2	398	9	1799
203-207	..	..	..	..	..	..	..	..	..	..	..	..	1	204	1	205	1	205
208-212	..	..	..	..	..	..	..	..	..	..	..	..	2	419	1	208	1	210
213-217	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	645
218-222	..	..	..	..	..	..	..	..	..	..	..	..	2	440	..	..	2	436
223-227	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	450
238-242	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	240	..	..
Total	2	299	2	255	8	1189	26	3489	51	7214	97	14497	212	33269	200	31391	317	51450

TABLE V (Continued)
BUILD—MEN
AGE GROUP 57-59—(Concluded)

Weight	5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 3 Inches		6 Feet 4 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
123-127	2	250	..	..	..	..	..	..	..	..	..	..	..	..	..	..
128-132	6	777	4	523	1	130	..	..	..	..	..	..	..	..	..	..
133-137	13	1757	9	1223	3	403	..	..	..	..	..	..	..	..	..	..
138-142	10	1402	13	1816	4	560	1	140	..	..	..	..	..	..	..	..
143-147	18	2616	8	1161	8	1159	4	580	1	147	1	146	..	..	..	..
148-152	27	4046	20	3001	10	1503	3	448	..	..	..	..	..	..	..	..
153-157	11	1704	21	3259	8	1243	7	1089	3	467	1	155	..	..	..	..
158-162	28	4480	16	2547	10	1600	9	1438	1	160	2	321	..	..	..	..
163-167	22	3629	24	3954	9	1488	7	1153	1	165	1	165	..	..	..	..
168-172	21	3567	14	2375	13	2213	9	1525	3	512	..	..	..	..	..	..
173-177	19	3318	31	5423	11	1922	7	1228	4	702	1	175	..	..	..	..
178-182	15	2698	29	5215	11	1982	13	2335	1	179	3	542	..	..	..	..
183-187	11	2035	17	3147	14	2590	3	557	3	554	3	553	..	..	..	..
188-192	18	3425	15	2852	10	1901	11	2095	1	190	2	380	..	..	1	192
193-197	7	1365	9	1753	6	1171	9	1756	1	197	..	..	1	195	1	195
198-202	12	2395	13	2601	17	3399	13	2595	4	800	1	200	2	398	..	..
203-207	2	410	4	819	6	1228	4	822	1	206	..	..	..	..	..	..
208-212	2	420	5	1050	9	1888	7	1470	1	210	2	422	..	..	..	..
213-217	5	1072	3	645	2	431	4	865	1	213	1	215	..	..	1	216
218-222	4	878	3	660	1	222	4	878	1	220	..	..	..	..	..	..
223-227	2	451	1	225	3	676	1	226	1	225	..	..	..	..	..	..
228-232	..	..	..	..	..	..	..	..	1	230	..	..	..	..	..	..
233-237	..	..	1	235	..	..	..	..	2	470	..	..	..	..	..	..
238-242	..	..	..	..	1	240	1	240	..	..	1	240	..	..	..	..
248-252	..	..	..	..	1	250	1	250	..	..	..	..	..	..	..	..
253-257	..	..	..	..	..	..	..	..	1	256	..	..	..	..	1	256
Total	255	42695	260	44484	158	28199	118	21690	32	6103	19	3514	3	593	4	859

AGE GROUP 60-62

Weight	4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
103-107	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	106
108-112	..	..	..	..	..	..	..	..	..	..	..	..	2	220	1	110	..	..
113-117	..	..	..	..	..	..	..	..	2	230	..	..	..	..	1	115	..	..
118-122	..	..	..	..	1	120	..	..	..	..	5	599	..	..	1	120	..	..
123-127	..	..	..	..	..	..	2	250	1	125	1	125	2	250	4	503	1	125
128-132	..	..	..	..	..	..	..	..	3	390	4	522	5	648	8	1035	1	130
133-137	1	135	..	..	..	..	..	..	..	..	5	675	5	675	5	675	8	1081
138-142	..	..	1	141	..	..	..	..	1	138	4	558	10	1401	9	1264	6	842
143-147	..	..	..	..	..	..	2	289	2	288	2	286	9	1307	8	1162	10	1449
148-152	..	..	1	150	..	..	1	151	2	300	3	448	6	896	4	600	11	1649
153-157	..	..	1	155	1	155	..	..	..	..	..	..	1	155	11	1709	11	1704
158-162	..	..	..	..	..	..	..	..	..	..	2	320	2	319	14	2243	13	2080
163-167	..	..	..	..	..	..	..	..	..	..	..	..	2	329	5	828	7	1159
168-172	..	..	..	..	..	..	..	..	1	170	2	336	4	675	4	684	2	341
173-177	..	..	..	..	..	..	..	..	..	..	1	175	2	351	8	1401	7	1230
178-182	..	..	..	..	..	..	..	..	..	..	..	..	2	360	3	538	4	722
183-187	..	..	..	..	..	..	..	..	..	..	..	..	2	371	1	187	2	372
188-192	..	..	..	..	..	..	..	..	..	..	1	191	..	..	1	190	2	383
193-197	..	..	..	..	..	..	..	..	..	..	..	..	1	195	..	..	3	586
198-202	..	..	..	..	..	..	1	198	..	..	1	200	..	..	2	400	..	..
203-207	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	205
233-237	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	236
Total	1	135	3	446	2	275	6	888	12	1641	31	4435	55	8152	90	13764	91	14400

TABLE V (Continued)

BUILD—MEN

AGE GROUP 60-62—(Concluded)

Weight	5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 4 Inches		6 Feet 5 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
118-122	1	120	1	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123-127	3	375	2	250	..	..	..	..	1	125	..	..	..	..	..	..	..	..
128-132	2	262	3	390	1	130	..	..	..	..	..	..	..	..	..	..	..	..
133-137	13	1752	1	136	6	814	1	137	1	136	..	..	..	..	..	..	..	..
138-142	10	1399	7	982	8	1120	3	422	3	419	..	..	..	..	..	..	..	..
143-147	12	1742	6	871	8	1159	2	290	2	292	..	..	..	..	..	..	..	..
148-152	15	2249	11	1651	12	1800	7	1052	3	446	..	..	..	..	..	..	..	..
153-157	13	2014	7	1084	3	466	7	1086	4	620	..	..	..	..	..	..	..	..
158-162	11	1755	9	1443	9	1437	10	1602	5	796	1	159	..	..	..	..	..	..
163-167	9	1484	13	2140	17	2798	6	986	5	825	3	495	..	..	..	..	..	..
168-172	13	2204	7	1190	6	1016	8	1357	3	510	..	..	..	..	..	..	..	..
173-177	11	1923	12	2107	7	1225	5	877	5	877	1	177	..	..	..	..	..	..
178-182	8	1432	6	1078	11	1977	3	542	5	895	1	178	..	..	..	..	..	..
183-187	5	926	7	1294	12	2221	3	555	7	1297	1	187	..	..	..	..	..	..
188-192	5	947	8	1518	9	1710	8	1514	3	570	..	..	2	380	..	..	..	..
193-197	7	1364	10	1952	8	1561	8	1565	2	390	2	391	..	..	..	..	..	..
198-202	7	1399	5	1000	9	1797	6	1199	9	1800	1	198	2	403	..	..	..	..
203-207	3	615	1	206	4	820	1	207	..	..	..	..	..	..	..	..	..	..
208-212	2	420	..	..	4	842	4	839	3	630	..	..	..	..	..	..	..	..
213-217	1	215	2	430	7	1508	2	429	2	428	..	..	..	..	..	..	..	..
218-222	1	220	..	..	..	..	3	658	2	440	1	220	1	220	..	..	..	..
223-227	..	..	1	225	..	..	..	..	2	450	..	..	..	..	..	..	..	..
228-232	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	229	1	228
248-252	..	..	..	..	..	..	..	..	1	250	..	..	1	250	..	..	1	250
253-257	..	..	..	..	..	..	1	255	..	..	..	..	..	..	..	..	..	..
Total	152	24817	119	20069	141	24401	88	15572	68	12196	11	2005	6	1253	1	229	2	478

AGE GROUP 63-65

Weight	5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
103-107	..	..	..	..	1	107	..	..	..	..	..	..	..	..	..	..
108-112	..	..	1	112	..	..	1	112	..	..	..	..	..	..	..	..
113-117	1	116	..	..	1	116	1	117	..	..	..	..	..	..	..	..
118-122	..	..	..	..	..	..	..	..	1	120	..	..	..	..	..	..
123-127	1	125	..	..	1	125	4	502	..	..	..	..	..	1	125	..
128-132	..	..	..	..	3	389	3	389	2	261	..	..	3	390	3	388
133-137	1	135	..	..	4	540	2	269	..	..	7	947	3	408	1	135
138-142	2	280	..	..	1	140	1	140	6	837	3	422	5	699	6	840
143-147	..	..	1	145	2	292	5	725	2	290	4	580	4	579	3	438
148-152	..	..	..	..	1	149	1	148	5	750	3	450	7	1052	2	299
153-157	..	..	..	..	..	..	2	310	2	310	3	467	4	621	3	465
158-162	..	..	..	..	1	160	1	161	1	162	2	324	3	476	6	961
163-167	..	..	..	..	2	329	3	493	5	825	6	993	5	826	5	825
168-172	..	..	..	..	1	172	1	170	4	676	3	506	5	846	4	678
173-177	..	..	..	..	1	175	..	..	1	175	1	175	2	352	2	351
178-182	..	..	..	..	..	..	..	..	..	..	1	180	2	362	3	546
183-187	..	..	..	..	..	..	..	..	2	371	1	186	6	1108	7	1293
188-192	..	..	..	..	..	..	..	..	..	..	2	379	1	190	3	568
193-197	..	..	..	..	..	..	..	..	1	193	..	..	1	195	1	195
198-202	..	..	..	..	..	..	2	398	..	..	3	600	1	202	1	200
203-207	..	..	..	..	..	..	..	..	..	..	1	205	..	..	1	203
208-212	..	..	..	..	..	..	..	..	..	..	..	..	1	210	1	210
213-217	..	..	..	..	..	..	..	..	..	..	..	..	1	215	1	216
228-232	..	..	..	..	..	..	..	..	..	..	..	..	1	230	..	..
233-237	..	..	..	..	..	..	..	..	..	..	..	..	1	235	..	..
Total	5	656	2	257	19	2694	27	3934	32	4970	40	6414	56	9196	54	8936

TABLE V (Continued)
BUILD—MEN
AGE GROUP 63-65—(Concluded)

Weight	5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 3 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
133-137	3	408	..	..	1	135	..	..	..	..	..	..
138-142	3	420	1	140	..	..	..	..	..	..	..	..
143-147	2	289	2	292	2	288	..	..	..	..	..	..
148-152	2	302	1	150	..	..	..	..	..	..	..	..
153-157	2	312	3	465	1	155	..	..	..	..	..	..
158-162	5	798	1	160	1	160	1	162	..	..	..	..
163-167	6	994	10	1652	1	164	..	..	..	..	..	..
168-172	3	508	5	846	1	169	1	168	..	..	..	..
173-177	5	877	2	350	3	527	..	..	..	..	..	..
178-182	3	544	7	1258	2	361	..	..	..	..	..	..
183-187	3	553	3	557	2	370	..	..	..	..	..	..
188-192	6	1139	3	571	4	760	..	..	..	..	..	..
193-197	2	390	1	195	2	391	2	394	..	..	..	..
198-202	3	599	4	796	..	..	1	202	..	..	1	198
203-207	..	..	2	412	..	..	..	..	..	..	..	..
208-212	1	210	2	421	2	418	..	..	..	..	..	..
213-217	1	215	..	..	..	..	..	..	..	..	..	..
218-222	1	220	1	220	1	221	..	..	..	..	..	..
223-227	..	..	..	..	..	..	..	..	1	225	..	..
228-232	..	..	..	..	1	230	..	..	..	..	..	..
233-237	..	..	1	237	1	235	..	..	..	..	..	..
238-242	..	..	1	240	1	240	..	..	..	..	..	..
Total	51	8778	50	8962	26	4824	5	926	1	225	1	198

AGE GROUP 66-68

Weight	5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
113-117	..	..	..	..	1	115	..	..	..	..	..	..	..	..	..	..
123-127	1	126	..	..	..	..	..	..	..	..	..	..	..	..	..	..
128-132	..	..	1	130	..	..	1	130	..	..	..	..	2	258	..	..
133-137	1	135	1	136	..	..	1	135	..	..	..	..	..	..	1	133
138-142	..	..	..	..	1	140	1	138	..	..	2	280	1	140	1	142
143-147	..	..	..	..	1	145	1	146	2	291	..	..	..	..	3	435
148-152	1	150	1	150	..	..	..	..	2	300	4	600	1	150	3	450
153-157	..	..	..	..	1	155	..	..	4	621	2	308	2	312	..	..
158-162	1	160	..	..	1	160	3	483	..	..	2	318	..	..	..	..
163-167	..	..	..	..	3	495	1	165	1	167	2	332	1	166	2	328
168-172	..	..	..	..	..	..	1	170	..	..	3	507	..	..	1	170
173-177	..	..	..	..	..	..	..	..	..	..	3	525	..	..	..	..
178-182	..	..	..	..	..	..	..	..	1	180	3	537	1	180	4	722
183-187	..	..	..	..	..	..	..	..	..	..	1	187	..	..	2	371
188-192	..	..	..	..	..	..	..	..	..	..	1	192	1	190	2	380
193-197	..	..	1	196	..	..	..	..	..	..	1	195	..	..	..	..
198-202	..	..	..	..	..	..	..	..	..	..	..	..	1	200	2	400
203-207	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	615
208-212	..	..	..	..	..	..	..	..	..	..	..	..	1	210	..	..
218-222	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	220
228-232	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	231
Total	4	571	4	612	8	1210	9	1367	10	1559	24	3981	11	1806	26	4597

TABLE V (Concluded)
BUILD—MEN
AGE GROUP 66-68 (Concluded)

Weight	5 Feet 11 Inches		6 Feet		6 Feet 1 Inch	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
133-137	1	136	..	..	..	..
138-142	1	140	..	..	..	..
148-152	1	149	..	..	..	..
158-162	1	160	..	..	..	..
163-167	1	165	..	..	1	165
168-172	1	168	1	170	..	..
173-177	..	..	1	175	..	..
178-182	3	540	1	180	..	..
183-187	1	185	3	553	..	..
188-192	2	380	..	..	..	..
193-197	1	195	..	..	..	..
198-202	..	..	1	200	..	..
203-207	..	..	1	205	..	..
208-212	..	..	1	208	2	416
213-217	1	214	..	..	..	..
Total	14	2432	9	1691	3	581

AGE GROUP 69-70

Weight	5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 2 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
128-132	..	..	1	128	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133-137	..	..	1	135	..	..	..	..	..	..	..	..	..	..	..	..	..	..
143-147	..	..	..	..	1	143	..	..	..	..	..	..	..	..	..	..	..	..
148-152	..	..	2	300	..	..	2	301	..	..	..	..	..	..	..	..	..	..
158-162	1	159	..	..	1	160	..	..	1	160	1	160	..	..	..	..	..	..
163-167	..	..	1	165	..	..	..	..	..	..	..	..	..	..	2	332	..	..
168-172	..	..	..	..	1	170	..	..	..	..	..	..	..	..	..	..	..	..
173-177	..	..	1	175	..	..	..	..	..	..	..	..	2	348	..	..	..	..
178-182	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	182	..	..
183-187	..	..	..	..	..	..	1	185	..	..	..	..	..	..	..	..	..	..
188-192	..	..	1	190	..	..	..	..	..	..	..	..	..	..	..	..	..	..
193-197	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	194
208-212	..	..	..	..	..	..	..	..	..	..	4	846	..	..	..	..	..	..
218-222	..	..	..	..	..	..	..	..	..	..	1	220	..	..	..	..	..	..
Total	1	159	7	1093	3	473	3	486	1	160	6	1226	2	348	3	514	1	194

AGE GROUP 71-72

Weight	5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
128-132	..	..	..	..	1	132
138-142	..	..	1	140	..	..
148-152	1	150	..	..	1	152
218-222	..	..	..	..	1	218
Total	1	150	1	140	3	502

AGE GROUP 73-74

Weight	5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 11 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
133-137	1	135	..	..	..	..	..	..
143-147	..	..	..	..	1	147	..	..
158-162	..	..	1	162	..	..	..	..
183-187	..	..	..	..	..	..	1	185
Total	1	135	1	162	1	147	1	185

AGE GROUP 79-80

Weight	5 Feet 10 Inches	
	Num-ber	Aggregate Weight
148-152	2	300
Total	2	300

AGE GROUP 83-84

Weight	5 Feet 6 Inches	
	Num-ber	Aggregate Weight
153-157	1	155
Total	1	155

TABLE VI
BUILD—WOMEN

Age	3 Feet 11 Inches			4 Feet			4 Feet 1 Inch		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
21	..	..	..	..	..	..	2	238	119
26	..	..	..	..	..	..	1	100	100
27	..	..	..	..	..	..	1	108	108
28	..	..	..	..	..	..	1	130	130
29	..	..	..	..	..	..	1	128	128
35	1	85	85	..	..	..	..	..	..
37	..	..	..	1	119	119	..	..	..
41	..	..	..	1	125	125	..	..	..

Age	4 Feet 2 Inches			4 Feet 3 Inches			4 Feet 4 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
16	..	..	..	1	112	112	1	114	114
17	1	110	110	..	..	..	..	..	..
18	1	124	124	..	..	..	..	..	..
21	..	..	..	1	99	99	1	121	121
23	2	242	121	1	125	125	..	..	..
25	2	226	113	..	..	..	..	..	..
26	..	..	..	..	..	..	1	118	118
27	..	..	..	..	..	..	1	146	146
28	2	212	106	..	..	..	..	..	..
30	..	..	..	..	..	..	1	100	100
32	1	95	95	..	..	..	2	241	121
33	2	208	104	..	..	..	..	..	..
34	..	..	..	..	..	..	1	113	113
36	..	..	..	1	120	120	2	244	122
37	..	..	..	..	..	..	1	157	157
41	..	..	..	..	..	..	1	121	121
42	..	..	..	1	119	119	..	..	..
44	..	..	..	1	110	110	..	..	..
45	1	115	115	..	..	..	..	..	..
47	..	..	..	..	..	..	1	118	118
50	..	..	..	1	124	124	..	..	..

Age	4 Feet 5 Inches			4 Feet 6 Inches			4 Feet 7 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
16	1	138	138	..	..	..	2	198	99
17	..	..	..	2	192	96	..	..	..
19	..	..	..	1	101	101	..	..	..
20	..	..	..	1	76	76	1	104	104
23	1	125	125	1	87	87	..	..	..
24	1	126	126	..	..	..	..	..	..
25	4	436	109	1	97	97	..	..	..
26	1	126	126	..	..	..	1	110	110
27	..	..	..	1	102	102	..	..	..
28	..	..	..	1	185	185	1	90	90
29	1	115	115	1	120	120	..	..	..
30	1	128	128	..	..	..	..	..	..
31	..	..	..	..	..	..	3	290	97
32	..	..	..	1	125	125	..	..	..
33	..	..	..	..	..	..	1	102	102
34	1	117	117	1	120	120	..	..	..
35	..	..	..	2	262	131	1	105	105
36	1	115	115	..	..	..	1	102	102
37	1	145	145	1	115	115	..	..	..
39	..	..	..	..	..	..	1	110	110
40	1	142	142	..	..	..	..	..	..
41	..	..	..	2	144	72	3	270	90
43	..	..	..	..	..	..	1	100	100
44	..	..	..	1	85	85	..	..	..
46	1	147	147	2	240	120	1	110	110
49	1	100	100	..	..	..	..	..	..
51	..	..	..	..	..	..	1	128	128
53	1	150	150	..	..	..	..	..	..
54	1	110	110	..	..	..	..	..	..
56	1	130	130	..	..	..	..	..	..
59	..	..	..	..	..	..	1	131	131

TABLE VI (Continued)
BUILD—WOMEN

Age	4 Feet 8 Inches			4 Feet 9 Inches			4 Feet 10 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
14	1	70	70	..	..	..	..	..	..
15	1	78	78	2	200	100	7	672	96
16	..	..	..	2	214	107	3	329	110
17	..	..	..	3	327	109	..	..	..
18	1	115	115	2	198	99	3	343	114
19	..	..	..	2	191	96	9	996	111
20	1	100	100	3	291	97	15	1594	106
21	1	102	102	8	854	107	16	1773	111
22	..	..	..	9	1004	112	15	1725	115
23	3	314	105	3	378	126	20	2249	112
24	1	121	121	2	219	110	20	2240	112
25	5	594	119	6	674	112	23	2551	111
26	1	110	110	12	1351	113	18	2092	116
27	2	205	103	5	561	112	16	1762	110
28	1	95	95	9	991	110	26	3006	116
29	1	105	105	7	884	126	19	2157	114
30	3	348	116	14	1626	116	33	3739	113
31	1	96	96	6	657	110	12	1360	113
32	6	731	122	6	606	101	24	2947	123
33	2	228	114	6	701	117	21	2487	118
34	1	85	85	7	830	119	17	2027	119
35	5	553	111	9	1030	114	25	2887	115
36	1	123	123	5	601	120	17	1939	114
37	4	437	109	5	576	115	11	1329	121
38	3	322	107	6	676	113	8	1049	131
39	1	90	90	7	884	126	22	2512	114
40	4	434	109	5	685	137	16	1951	122
41	..	..	..	5	606	121	13	1717	132
42	3	355	118	4	496	124	14	1743	125
43	2	198	99	2	189	95	12	1455	121
44	..	..	..	1	118	118	6	756	126
45	1	123	123	2	260	130	10	1235	124
46	2	201	101	4	501	125	9	1196	133
47	1	155	155	3	395	132	8	980	123
48	2	228	114	4	475	119	12	1520	127
49	..	..	..	1	110	110	13	1756	135
50	1	95	95	9	1091	121	16	2107	132
51	..	..	..	4	515	129	7	783	112
52	1	128	128	1	128	128	6	815	136
53	..	..	..	1	132	132	13	1649	127
54	1	131	131	4	471	118	4	611	153
55	1	148	148	..	..	..	4	489	122
56	1	105	105	2	260	130	7	861	123
57	1	128	128	..	..	..	4	482	121
58	..	..	..	1	121	121	4	540	135
59	..	..	..	..	..	..	2	258	129
60	..	..	..	1	90	90	3	318	106
61	..	..	..	..	..	..	1	111	111
63	..	..	..	..	..	..	2	245	123
64	..	..	..	2	260	130	..	..	..
65	1	145	145	..	..	..	..	..	..

TABLE VI (Continued)
BUILD—WOMEN

Age	4 Feet 11 Inches			5 Feet			5 Feet 1 Inch		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15	4	393	98	16	1634	102	21	2277	108
16	10	1070	107	34	3656	108	36	4012	111
17	13	1384	106	27	2917	108	46	5242	114
18	13	1361	105	48	5391	112	62	7300	118
19	15	1717	114	52	5861	113	86	9949	116
20	17	1832	108	101	11562	114	156	18014	115
21	26	2922	112	132	15395	117	215	24819	115
22	33	3663	111	180	20707	115	230	27090	118
23	35	4047	116	181	20705	114	281	32945	117
24	48	5377	112	179	21062	118	276	33076	120
25	54	6115	113	231	27038	117	320	38259	120
26	63	7404	118	215	25286	118	308	36626	119
27	58	6767	117	216	25294	117	346	41182	119
28	50	5813	116	262	31232	119	330	39733	120
29	49	5846	119	224	26876	120	313	37916	121
30	80	9189	115	286	34573	121	315	38151	121
31	31	3522	114	215	25596	119	263	31884	121
32	44	5368	122	203	24906	123	292	36084	124
33	44	5179	118	193	23466	122	290	36022	124
34	44	5488	125	197	24327	123	306	37516	123
35	47	5872	125	225	28403	126	301	37739	125
36	43	5283	123	164	20271	124	242	30255	125
37	37	4517	122	183	22764	124	223	28513	128
38	36	4427	123	170	21268	125	221	28213	128
39	27	3391	126	152	19300	127	208	26660	128
40	48	5989	125	135	17021	126	189	24398	129
41	27	3143	116	128	16576	130	166	21224	128
42	16	1966	123	97	12159	125	145	18911	130
43	27	3254	121	102	13226	130	141	18340	130
44	26	3307	127	87	11246	129	129	16810	130
45	29	3652	126	97	12306	127	125	16534	132
46	22	2789	127	67	8584	128	115	15195	132
47	15	1854	124	68	8845	130	84	11265	134
48	23	2916	127	75	9759	130	96	12965	135
49	12	1592	133	57	7263	127	94	12637	134
50	22	2962	135	70	9523	136	90	12237	136
51	19	2483	131	47	6244	133	76	10428	137
52	15	1894	126	45	6170	137	61	8194	134
53	19	2547	134	48	6600	138	67	9264	138
54	15	1919	128	50	6310	126	51	6996	137
55	11	1368	124	45	6044	134	37	5148	139
56	9	1242	138	24	3063	128	32	4393	137
57	9	1236	137	23	3164	138	23	2995	130
58	8	1008	126	24	3083	128	30	4371	146
59	2	270	135	22	3011	137	21	2918	139
60	3	441	147	18	2379	132	19	2547	134
61	2	233	117	9	1210	134	10	1432	143
62	2	220	110	7	996	142	4	537	134
63	1	135	135	5	605	121	9	1200	133
64	1	150	150	9	1130	126	5	703	141
65	..	..	..	7	881	126	4	533	133
66	..	..	..	1	120	120	2	275	138
67	1	148	148	1	145	145	3	411	137
68	..	..	..	4	498	125	2	297	149
73	..	..	..	1	113	113	..	..	..

TABLE VI (Continued)

BUILD—WOMEN

Age	5 Feet 2 Inches			5 Feet 3 Inches			5 Feet 4 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
13	1	113	113	..	..	..	..	..	..
15	38	4171	110	56	6277	112	55	6548	119
16	68	7564	111	83	9735	117	74	8687	117
17	87	10195	117	102	12217	120	140	17347	124
18	128	15234	119	180	21932	122	224	27401	122
19	194	22811	118	260	31679	122	322	40241	125
20	281	33589	120	370	44811	121	493	61841	125
21	422	50522	120	566	68913	122	822	103015	125
22	435	52321	120	613	75450	123	785	98593	126
23	552	65832	119	732	89265	122	910	114575	126
24	572	69256	121	736	90777	123	1077	135863	126
25	636	76680	121	789	98161	124	1121	142133	127
26	654	79132	121	830	102897	124	1139	145688	128
27	621	76335	123	844	105843	125	1089	138892	128
28	664	82207	124	879	110645	126	1169	149843	128
29	634	77970	123	784	98408	126	1128	145140	129
30	664	82778	125	866	110003	127	1211	158220	131
31	569	70748	124	749	95429	127	1012	133004	131
32	566	70893	125	749	96404	129	1054	138485	131
33	596	75667	127	741	95700	129	998	131921	132
34	529	67002	127	683	88591	130	997	133541	134
35	504	64131	127	685	89890	131	985	132320	134
36	486	62136	128	591	76795	130	807	109006	135
37	441	56325	128	507	67137	132	757	102877	136
38	424	54635	129	494	65845	133	714	97205	136
39	377	48998	130	452	60632	134	657	90192	137
40	375	49558	132	452	61869	137	619	84938	137
41	316	41669	132	363	48592	134	507	70114	138
42	280	36833	132	379	51170	135	514	72044	140
43	300	40358	135	322	44005	137	472	65853	140
44	259	34746	134	324	44940	139	412	58309	142
45	270	35996	133	312	43086	138	390	54399	139
46	222	30354	137	226	31433	139	319	44808	140
47	191	25744	135	210	29059	138	290	41266	142
48	200	27608	138	218	30840	141	266	38270	144
49	156	21073	135	173	24383	141	225	31601	140
50	178	24799	139	204	28487	140	250	35552	142
51	140	19387	138	129	18006	140	176	25266	144
52	113	15794	140	111	15797	142	157	22549	144
53	84	11501	137	119	16772	141	145	20669	143
54	74	10406	141	91	13170	145	122	17813	146
55	83	11641	140	102	14372	141	89	12873	145
56	55	7442	135	76	10847	143	86	12773	149
57	38	5178	136	42	5944	142	70	10289	147
58	45	6224	138	41	5827	142	57	8442	148
59	34	4805	141	51	7071	139	55	7979	145
60	33	4600	139	34	4757	140	46	6700	146
61	7	987	141	11	1490	135	32	4864	152
62	14	1904	136	12	1737	145	19	2670	141
63	15	2039	136	8	1055	132	12	1744	145
64	8	1087	136	9	1338	149	17	2376	140
65	6	780	130	7	963	138	9	1332	148
66	5	652	130	7	1010	144	1	125	125
67	2	267	134	..	..	..	4	569	142
68	2	297	149	..	..	..	..	..	..
69	4	534	134	1	131	131	3	405	135
70	2	250	125	..	..	..	1	135	135

TABLE VI (Continued)

BUILD—WOMEN

Age	5 Feet 5 Inches			5 Feet 6 Inches			5 Feet 7 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
14	..	..	..	1	113	113	..	..	..
15	48	5755	120	22	2646	120	5	651	130
16	76	9245	122	72	8870	123	24	3168	132
17	95	11805	124	115	14631	127	58	7586	131
18	225	28534	127	164	21582	132	100	13379	134
19	279	35595	128	234	31020	133	182	24577	135
20	438	56649	129	372	48762	131	271	36845	136
21	714	92090	129	525	69657	133	343	46949	137
22	739	95829	130	602	80212	133	402	54651	136
23	856	110900	130	706	94714	134	446	60779	136
24	948	122927	130	789	105865	134	502	69463	138
25	1005	130838	130	830	111538	134	539	75083	139
26	1062	139343	131	862	116839	136	520	72298	139
27	1066	140963	132	867	117411	135	572	79425	139
28	1058	140789	133	951	130085	137	586	81560	139
29	1026	136652	133	885	122604	139	535	75722	142
30	1082	145815	135	881	121677	138	572	81126	142
31	932	126068	135	740	103839	140	514	73537	143
32	961	130565	136	754	105897	140	489	70024	143
33	913	124897	137	776	109410	141	432	62531	145
34	883	120244	136	741	105415	142	396	57898	146
35	877	121056	138	663	93511	141	450	65804	146
36	853	117438	138	645	92578	144	441	65363	148
37	731	101720	139	563	81026	144	332	49428	149
38	663	92740	140	548	78554	143	357	52741	148
39	600	84855	141	424	61748	146	304	45671	150
40	584	82596	141	458	67114	147	254	38893	153
41	443	63451	143	348	51033	147	183	27370	150
42	452	64701	143	376	55024	146	220	33112	151
43	416	59282	143	305	45334	149	187	28236	151
44	369	53492	145	273	40737	149	149	22666	152
45	350	50373	144	257	38681	151	173	27038	156
46	266	38887	146	204	31029	152	143	22083	154
47	249	36066	145	174	26442	152	98	15386	157
48	260	37946	146	191	29295	153	99	15684	158
49	187	26980	144	148	22680	153	83	13097	158
50	235	35349	150	149	22742	153	75	12117	162
51	148	21723	147	97	14708	152	85	12766	150
52	90	13280	148	94	14591	155	54	8566	159
53	116	17255	149	80	12172	152	45	7345	163
54	100	15334	153	56	8436	151	38	6122	161
55	89	13124	147	73	11449	157	27	4320	160
56	86	12957	151	54	8514	158	25	3869	155
57	53	7906	149	33	4951	150	12	1808	151
58	56	8118	145	34	5059	149	16	2526	158
59	37	5598	151	24	3608	150	18	2834	157
60	33	4994	151	30	4422	147	7	1107	158
61	8	1220	153	10	1516	152	5	849	170
62	11	1597	145	9	1414	157	5	724	145
63	12	1790	149	6	892	149	6	1044	174
64	4	584	146	8	1226	153	3	472	157
65	8	1193	149	7	1013	145	..	..	..
66	2	280	140	3	372	124	2	294	147
67	1	127	127	2	307	154	..	..	..
68	2	270	135	1	135	135	..	..	..
70	1	136	136	..	..	..	..	..	..

TABLE VI (Continued)

BUILD—WOMEN

Age	5 Feet 8 Inches			5 Feet 9 Inches			5 Feet 10 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15	9	1228	136	1	125	125	2	208	104
16	22	2958	134	7	923	132	4	592	148
17	23	3232	141	12	1663	139	2	310	155
18	54	7455	138	32	4544	142	11	1605	146
19	105	14733	140	51	7174	141	9	1294	144
20	140	19407	139	57	8155	143	35	4994	143
21	173	24326	141	96	13843	144	47	6972	148
22	252	35390	140	103	14566	141	31	4583	148
23	271	38355	142	107	15495	145	49	7285	149
24	298	42026	141	135	19774	146	56	8417	150
25	352	50061	142	142	21088	149	50	7562	151
26	334	47954	144	99	14276	144	48	7418	155
27	427	61614	144	43	6550	152	74	11197	151
28	321	46078	144	144	21443	149	53	8160	154
29	340	49707	146	117	17739	152	59	9358	159
30	349	51439	147	142	21509	151	55	8393	153
31	229	33742	147	105	15999	152	40	6197	155
32	272	40424	149	99	14808	150	37	5750	155
33	233	34890	150	103	15908	154	37	5793	157
34	283	42531	150	96	14796	154	37	5834	158
35	251	37818	151	87	13684	157	37	5708	154
36	208	32266	155	94	14790	157	32	5262	164
37	208	31811	153	81	12730	157	26	4155	160
38	174	26928	155	72	11045	153	35	5517	158
39	156	24015	154	65	10153	156	25	4025	161
40	159	24430	154	57	9280	163	28	4712	168
41	122	19080	156	38	5926	156	10	1697	170
42	120	18839	157	50	8488	170	15	2484	166
43	98	15306	156	38	6313	166	21	3322	158
44	86	13735	160	25	4247	170	11	1872	170
45	79	12487	158	42	6773	161	20	3077	154
46	55	8589	156	27	4351	161	9	1514	168
47	60	9548	159	23	3665	159	10	1681	168
48	67	10925	163	19	3082	162	5	974	195
49	51	8249	162	13	2171	167	5	824	165
50	33	5079	154	19	3221	170	10	1655	166
51	28	4709	168	10	1557	156	7	1190	170
52	36	5921	164	14	2415	173	7	1169	167
53	19	3139	165	10	1619	162	4	709	177
54	26	4326	166	7	1225	175	5	935	187
55	14	2317	166	5	922	184	2	365	183
56	14	2052	147	3	486	162	2	274	137
57	5	894	179	4	650	163	5	821	164
58	6	1020	170	3	552	184	2	350	175
59	9	1385	154	4	639	160	..	..	..
60	8	1200	150	2	330	165	1	223	223
61	4	658	165	1	214	214	1	183	183
62	..	..	..	3	520	173	1	128	128
63	4	600	150	..	..	..	..	..	..
64	3	480	160	..	..	..	..	..	..
65	..	..	..	1	163	163	..	..	..
69	1	170	170	..	..	..	..	..	..

TABLE VI (Concluded)

BUILD—WOMEN

Age	5 Feet 11 Inches			6 Feet			6 Feet 1 Inch		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
17	1	135	135	..	..	..	..	..	..
18	3	493	164	2	318	159	..	..	..
19	3	405	135	4	609	152	..	..	..
20	9	1345	149	2	312	156	..	..	..
21	13	1882	145	2	395	198	1	170	170
22	12	1757	146	2	311	156	..	..	..
23	19	3042	160	8	1277	160	1	167	167
24	21	3389	161	4	581	145	1	162	162
25	21	3178	151	10	1550	155	..	..	..
26	19	2925	154	6	926	154	..	..	..
27	24	3806	159	4	647	162	1	225	225
28	23	3539	154	9	1307	145	..	..	..
29	18	2713	151	2	361	181	1	166	166
30	15	2440	163	6	885	148	..	..	..
31	19	2889	152	4	747	187	..	..	..
32	17	2746	162	8	1452	182	3	410	137
33	13	2246	173	1	160	160	..	..	..
34	14	2271	162	4	618	155	2	325	163
35	16	2556	160	9	1436	160	..	..	..
36	12	1851	154	4	677	169	2	392	196
37	12	1944	162	5	757	151	..	..	..
38	7	1083	155	1	182	182	..	..	..
39	7	1180	169	7	1001	143	1	185	185
40	14	2325	166	2	313	157	..	..	..
41	9	1381	153	6	1021	170	2	360	180
42	2	326	163	2	363	182	..	..	..
43	4	664	166	3	576	192	1	236	236
44	5	758	152	2	339	170	1	195	195
45	4	655	164	1	200	200	..	..	..
46	4	728	182	..	..	..	..	..	..
47	5	781	156	2	329	165	..	..	..
48	5	948	190	1	175	175	..	..	..
49	1	155	155	..	..	..	..	..	..
50	3	511	170	3	515	172	..	..	..
51	1	160	160	..	..	..	..	..	..
52	3	660	220	1	175	175	..	..	..
54	2	401	201	..	..	..	..	..	..
55	3	596	199	..	..	..	..	..	..
56	..	..	..	3	545	182	..	..	..
58	1	135	135	..	..	..	..	..	..
64	1	201	201	..	..	..	..	..	..

Age	6 Feet 2 Inches			6 Feet 3 Inches			6 Feet 4 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
19	1	185	185	..	..	..	..	..	..
22	..	..	..	3	488	163	..	..	..
23	1	142	142	..	..	..	..	..	..
25	1	165	165	..	..	..	..	..	..
26	1	177	177	..	..	..	..	..	..
31	1	180	180	..	..	..	..	..	..
36	1	162	162	..	..	..	1	119	119
40	..	..	..	1	223	223	..	..	..
41	1	198	198	..	..	..	..	..	..
45	1	185	185	..	..	..	..	..	..

Age	6 Feet 5 Inches		
	Number	Aggregate Weight	Average Weight
37	1	220	220

TABLE VII
BUILD—WOMEN

Age Group	4 Feet 8 Inches			4 Feet 9 Inches			4 Feet 10 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10-14	1	70	70	..	..	..	..	..	..
15-19	2	193	97	11	1130	103	22	2340	106
20-24	6	637	106	25	2746	110	86	9581	111
25-29	10	1109	111	39	4461	114	102	11568	113
30-34	13	1488	114	39	4420	113	107	12560	117
35-39	14	1525	109	32	3767	118	83	9716	117
40-44	9	987	110	17	2094	123	61	7622	125
45-49	6	707	118	14	1741	124	52	6687	129
50-54	3	354	118	19	2337	123	46	5965	130
55-59	3	381	127	3	381	127	21	2630	125
60-64	..	..	..	3	350	117	6	674	112
65-69	1	145	145	..	..	..	..	..	..
Total	68			202			586		

Age Group	4 Feet 11 Inches			5 Feet			5 Feet 1 Inch		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15-19	55	5925	108	177	19459	110	251	28780	115
20-24	159	17841	112	773	89431	116	1158	135944	117
25-29	274	31945	117	1148	135726	118	1617	193716	120
30-34	243	28746	118	1094	132868	121	1466	179657	123
35-39	190	23490	124	894	112006	125	1195	151380	127
40-44	144	17659	123	549	70228	128	770	99683	129
45-49	101	12803	127	364	46757	128	514	68596	133
50-54	90	11805	131	260	34847	134	345	47119	137
55-59	39	5124	131	138	18365	133	143	19825	139
60-64	9	1179	131	48	6320	132	47	6419	137
65-69	1	148	148	13	1644	126	11	1516	138
70-74	..	..	..	1	113	113	..	..	..
Total	1305			5459			7517		

Age Group	5 Feet 2 Inches			5 Feet 3 Inches			5 Feet 4 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10-14	1	113	113	..	..	..	..	..	..
15-19	515	59975	116	681	81840	120	815	100224	123
20-24	2262	271520	120	3017	369216	122	4087	513887	126
25-29	3209	392324	122	4126	515954	125	5646	721696	128
30-34	2924	367088	126	3788	486127	128	5272	695171	132
35-39	2232	286225	128	2729	360299	132	3920	531600	136
40-44	1530	203164	133	1840	250576	136	2524	351258	139
45-49	1039	140775	135	1139	158801	139	1490	210344	141
50-54	589	81887	139	654	92232	141	850	121849	143
55-59	255	35290	138	312	44061	141	357	52356	147
60-64	77	10617	138	74	10377	140	126	18354	146
65-69	19	2530	133	15	2104	140	17	2431	143
70-74	2	250	125	..	..	..	1	135	135
Total	14654			18375			25105		

TABLE VII (Concluded)

BUILD—WOMEN

Age Group	5 Feet 5 Inches			5 Feet 6 Inches			5 Feet 7 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10-14	..	..	..	1	113	113	..	..	..
15-19	723	90934	126	607	78749	130	369	49361	134
20-24	3695	478395	129	2994	399210	133	1964	268687	137
25-29	5217	688585	132	4395	598477	136	2752	384088	140
30-34	4771	647589	136	3892	546238	140	2403	345116	144
35-39	3724	517809	139	2843	407417	143	1884	279007	148
40-44	2264	323522	143	1760	259242	147	993	150277	151
45-49	1312	190252	145	974	148127	152	596	93288	157
50-54	689	102941	149	476	72649	153	297	46916	158
55-59	321	47703	149	218	33581	154	98	15357	157
60-64	68	10185	150	63	9470	150	26	4196	161
65-69	13	1870	144	13	1827	141	2	294	147
70-74	1	136	136	..	..	..	..	..	..
Total	22798			18236			11384		

Age Group	5 Feet 8 Inches			5 Feet 9 Inches			5 Feet 10 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15-19	213	29606	139	103	14429	140	28	4009	143
20-24	1134	159504	141	498	71833	144	218	32251	148
25-29	1774	255414	144	545	81096	149	284	43695	154
30-34	1366	203026	149	545	83020	152	206	31967	155
35-39	997	152838	153	399	62402	156	155	24667	159
40-44	585	91390	156	208	34254	165	85	14087	166
45-49	312	49798	160	124	20042	162	49	8070	165
50-54	142	23174	163	60	10037	167	33	5658	171
55-59	48	7668	160	19	3249	171	11	1810	165
60-64	19	2938	155	6	1064	177	3	534	178
65-69	1	170	170	1	163	163	..	..	..
Total	6591			2508			1072		

Age Group	5 Feet 11 Inches			6 Feet		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15-19	7	1033	148	6	927	155
20-24	74	11415	154	18	2876	160
25-29	105	16161	154	31	4791	155
30-34	78	12592	161	23	3862	168
35-39	54	8614	160	26	4053	156
40-44	34	5454	160	15	2612	174
45-49	19	3267	172	4	704	176
50-54	9	1732	192	4	690	173
55-59	4	731	183	3	545	182
60-64	1	201	201	..	..	..
Total	385			130		

TABLE VIII
BUILD—WOMEN
GRADED AVERAGE WEIGHT

Age Group	4 Ft. 8 In.	4 Ft. 9 In.	4 Ft. 10 In.	4 Ft. 11 In.	5 Ft.	5 Ft. 1 In.	5 Ft. 2 In.	5 Ft. 3 In.	5 Ft. 4 In.
15-19	104	106	108	110	112	114	117	120	123
20-24	107	109	111	113	115	117	120	123	126
25-29	110	112	114	116	118	120	122	125	129
30-34	113	115	117	119	121	123	125	128	132
35-39	116	118	120	122	124	126	129	132	136
40-44	120	122	124	126	128	130	133	136	139
45-49	123	125	127	129	131	133	136	139	142
50-54	125	127	129	131	133	135	138	141	144

Age Group	5 Ft. 5 In.	5 Ft. 6 In.	5 Ft. 7 In.	5 Ft. 8 In.	5 Ft. 9 In.	5 Ft. 10 In.	5 Ft. 11 In.	6 Ft.	
15-19	126	130	134	138	141	145	150	155	
20-24	129	133	137	141	145	149	153	157	
25-29	132	136	140	144	148	152	155	159	
30-34	136	140	144	148	152	155	158	162	
35-39	140	144	148	152	156	159	162	165	
40-44	143	147	151	155	159	162	166	169	
45-49	146	151	155	159	163	166	170	173	
50-54	148	152	157	162	166	170	174	177	

TABLE IX
BUILD—WOMEN
GRADED AVERAGE WEIGHT

Age	4 Ft. 8 In.	4 Ft. 9 In.	4 Ft. 10 In.	4 Ft. 11 In.	5 Ft.	5 Ft. 1 In.	5 Ft. 2 In.	5 Ft. 3 In.	5 Ft. 4 In.	5 Ft. 5 In.	5 Ft. 6 In.	5 Ft. 7 In.	5 Ft. 8 In.	5 Ft. 9 In.	5 Ft. 10 In.	5 Ft. 11 In.	6 Ft.
15	101	103	105	106	107	109	112	115	118	122	126	130	134	138	142	147	152
16	102	104	106	108	109	111	114	117	120	124	128	132	136	139	143	148	153
17	103	105	107	109	111	113	116	119	122	125	129	133	137	140	144	149	154
18	104	106	108	110	112	114	117	120	123	126	130	134	138	141	145	150	155
19	105	107	109	111	113	115	118	121	124	127	131	135	139	142	146	151	155
20	106	108	110	112	114	116	119	122	125	128	132	136	140	143	147	151	156
21	107	109	111	113	115	117	120	123	126	129	133	137	141	144	148	152	156
22	107	109	111	113	115	117	120	123	126	129	133	137	141	145	149	153	157
23	108	110	112	114	116	118	121	124	127	130	134	138	142	146	150	153	157
24	109	111	113	115	117	119	121	124	127	130	134	138	142	146	150	154	158
25	109	111	113	115	117	119	121	124	128	131	135	139	143	147	151	154	158
26	110	112	114	116	118	120	122	125	128	131	135	139	143	147	151	155	159
27	110	112	114	116	118	120	122	125	129	132	136	140	144	148	152	155	159
28	111	113	115	117	119	121	123	126	130	133	137	141	145	149	153	156	160
29	111	113	115	117	119	121	123	126	130	133	137	141	145	149	153	156	160
30	112	114	116	118	120	122	124	127	131	134	138	142	146	150	154	157	161
31	113	115	117	119	121	123	125	128	132	135	139	143	147	151	154	157	161
32	113	115	117	119	121	123	125	128	132	136	140	144	148	152	155	158	162
33	114	116	118	120	122	124	126	129	133	137	141	145	149	153	156	159	162
34	115	117	119	121	123	125	127	130	134	138	142	146	150	154	157	160	163
35	115	117	119	121	123	125	127	130	134	138	142	146	150	154	157	160	163
36	116	118	120	122	124	126	128	131	135	139	143	147	151	155	158	161	164
37	116	118	120	122	124	126	129	132	136	140	144	148	152	156	159	162	165
38	117	119	121	123	125	127	130	133	137	141	145	149	153	157	160	163	166
39	118	120	122	124	126	128	131	134	138	142	146	150	154	158	161	164	167
40	119	121	123	125	127	129	132	135	138	142	146	150	154	158	161	164	167
41	120	122	124	126	128	130	133	136	139	143	147	151	155	159	162	165	168
42	120	122	124	126	128	130	133	136	139	143	147	151	155	159	162	166	169
43	121	123	125	127	129	131	134	137	140	144	148	152	156	160	163	167	170
44	122	124	126	128	130	132	135	138	141	145	149	153	157	161	164	168	171
45	122	124	126	128	130	132	135	138	141	145	149	153	157	161	164	168	171
46	123	125	127	129	131	133	136	139	142	146	150	154	158	162	165	169	172
47	123	125	127	129	131	133	136	139	142	146	151	155	159	163	166	170	173
48	124	126	128	130	132	134	137	140	143	147	152	156	160	164	167	171	174
49	124	126	128	130	132	134	137	140	143	147	152	156	161	165	168	172	175
50	125	127	129	131	133	135	138	141	144	148	152	156	161	165	169	173	176
51	125	127	129	131	133	135	138	141	144	148	152	157	162	166	170	174	177
52	125	127	129	131	133	135	138	141	144	148	152	157	162	166	170	174	177
53	125	127	129	131	133	135	138	141	144	148	152	157	162	166	170	174	177
54	125	127	129	131	133	135	138	141	144	148	153	158	163	167	171	174	177
55	125	127	129	131	133	135	138	141	144	148	153	158	163	167	171	174	177

TABLE X
BUILD—WOMEN
AGE GROUP 10-14

Weight	4 Feet 8 Inches		5 Feet 2 Inches		5 Feet 6 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
68—72	1	70	..	..	..	..
113—117	..	..	1	113	1	113
Total	1	70	1	113	1	113

AGE GROUP 15-19

Weight	4 Feet 2 Inches		4 Feet 3 Inches		4 Feet 4 Inches		4 Feet 5 Inches		4 Feet 6 Inches		4 Feet 7 Inches		4 Feet 8 Inches		4 Feet 9 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
78—82	..	..	..	..	..	..	..	..	1	80	1	80	1	78	..	..
88—92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	91
93—97	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	474
98—102	..	..	..	..	..	..	..	..	1	101	..	..	..	..	1	98
103—107	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	212
108—112	1	110	1	112	..	..	..	..	1	112	..	..	..	..	..	..
113—117	..	..	..	..	1	114	..	..	..	..	..	..	1	115	..	..
118—122	..	..	..	..	..	..	..	..	..	..	1	118	..	..	1	120
123—127	1	124	..	..	..	..	..	..	..	..	..	..	..	..	..	..
133—137	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	135
138—142	..	..	..	..	..	..	1	138	..	..	..	..	..	..	..	..
Total	2	234	1	112	1	114	1	138	3	293	2	198	2	193	11	1130

AGE GROUP 15-19—(Continued)

Weight	4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
73—77	..	..	..	..	..	..	2	150	..	..	..	..	..	..	..	..
78—82	..	..	..	..	1	82	..	..	1	80	..	..	..	..	..	..
83—87	2	170	3	257	2	172	..	..	..	..	..	..	..	1	85	..
88—92	2	180	4	362	4	360	7	631	4	358	3	274	1	92	..	..
93—97	1	96	7	669	17	1617	7	664	17	1618	11	1048	6	573	4	380
98—102	3	304	12	1201	31	3102	28	2812	51	5103	34	3389	26	2613	3	302
103—107	5	522	5	528	23	2400	29	3039	56	5874	57	5992	45	4726	25	2631
108—112	1	110	9	989	32	3526	36	3956	62	6824	97	10677	93	10244	77	8504
113—117	2	228	4	463	19	2184	42	4830	86	9883	97	11151	104	11976	84	9670
118—122	4	459	3	358	18	2152	42	5027	98	11729	105	12552	145	17361	113	13543
123—127	..	..	5	625	15	1872	20	2504	49	6122	103	12878	122	15242	123	15375
128—132	1	130	1	128	10	1295	18	2341	32	4160	63	8167	100	13000	90	11673
133—137	..	..	..	..	2	272	5	678	35	4729	41	5544	70	9443	77	10380
138—142	1	141	..	..	2	280	10	1396	12	1673	30	4181	53	7404	56	7831
143—147	..	..	1	147	1	145	2	291	5	725	16	2318	22	3189	33	4783
148—152	..	..	..	..	..	..	1	150	3	450	13	1940	10	1493	17	2538
153—157	..	..	..	..	..	..	2	311	..	..	5	771	10	1551	7	1081
158—162	..	..	..	..	..	..	..	..	3	480	6	958	5	797	5	800
163—167	..	..	..	..	..	..	..	..	1	167	..	..	..	..	2	329
168—172	..	..	..	..	..	..	..	..	..	..	..	..	1	170	4	677
173—177	..	..	..	..	..	..	..	..	..	..	..	..	2	350	2	352
198—202	..	..	1	198	..	..	..	..	..	..	..	..	..	..	..	..
Total	22	2340	55	5925	177	19459	251	28780	515	59975	681	81840	815	100224	723	90934

TABLE X (Continued)
BUILD—WOMEN
AGE GROUP 15-19—(Concluded)

Weight	5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 2 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
78-82	1	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
88-92	..	..	1	91	..	..	..	..	..	..	..	..	..	..	..	..
93-97	1	97	..	..	..	..	..	..	..	..	..	..	..	..	..	..
98-102	8	802	2	201	..	..	..	..	1	98	..	..	..	..	..	..
103-107	11	1153	4	426	3	315	..	..	..	..	..	..	..	..	..	..
108-112	36	3970	13	1435	..	..	..	..	1	110	..	..	..	..	..	..
113-117	45	5188	17	1962	6	691	2	230	..	..	..	..	..	..	..	..
118-122	82	9827	42	5045	24	2884	8	957	..	..	1	120	1	119	..	..
123-127	99	12376	49	6126	19	2378	13	1625	1	125	..	..	..	..	..	..
128-132	81	10527	53	6878	24	3108	14	1822	3	394	..	..	..	..	..	..
133-137	83	11223	46	6215	33	4452	7	947	3	403	2	270	..	..	..	..
138-142	54	7542	55	7697	32	4477	21	2931	3	420	..	..	1	140	..	..
143-147	46	6659	25	3616	14	2030	9	1305	5	724	1	145	1	145	..	..
148-152	26	3885	28	4201	19	2844	14	2095	5	751	1	150	..	..	..	..
153-157	14	2166	15	2322	13	2020	3	467	2	314	..	..	..	..	..	..
158-162	12	1916	7	1116	11	1762	5	803	1	160	..	..	1	160	..	..
163-167	4	658	7	1154	4	661	1	165	1	164	1	165	..	..	..	..
168-172	4	680	2	340	3	508	2	340	1	169	..	..	..	..	..	..
173-177	..	..	2	346	4	698	..	..	1	177	..	..	..	..	..	..
178-182	..	..	..	..	..	..	3	542	..	..	..	..	1	178	..	..
183-187	..	..	..	..	2	370	..	..	..	..	1	183	1	185	1	185
188-192	..	..	1	190	..	..	..	..	..	..	..	..	..	..	..	..
193-197	..	..	..	..	1	194	..	..	..	..	..	..	..	..	..	..
198-202	..	..	..	..	..	..	1	200	..	..	..	..	..	..	..	..
213-217	..	..	..	..	1	214	..	..	..	..	..	..	..	..	..	..
Total	607	78749	369	49361	213	29606	103	14429	28	4009	7	1033	6	927	1	185

AGE GROUP 20-24

Weight	4 Feet 1 Inch		4 Feet 2 Inches		4 Feet 3 Inches		4 Feet 4 Inches		4 Feet 5 Inches		4 Feet 6 Inches		4 Feet 7 Inches		4 Feet 8 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
73-77	..	..	..	..	..	..	..	..	..	..	1	76	..	..	..	..
83-87	..	..	..	..	..	..	..	..	..	..	1	87	..	..	..	..
93-97	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	96
98-102	..	..	..	..	1	99	..	..	..	..	..	..	..	..	3	300
103-107	..	..	..	..	..	..	..	..	..	..	..	..	1	104	..	..
108-112	1	110	1	112	..	..	..	..	..	..	..	..	..	..	..	..
118-122	..	..	..	..	..	..	1	121	..	..	..	..	..	..	2	241
123-127	..	..	..	..	1	125	..	..	2	251	..	..	..	..	..	..
128-132	1	128	1	130	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	238	2	242	2	224	1	121	2	251	2	163	1	104	6	637

TABLE X (Continued)
BUILD—WOMEN
AGE GROUP 20-24—(Continued)

Weight	4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
78-82	1	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
83-87	..	..	3	257	..	..	1	85	..	..	..	..	1	85	..	..
88-92	1	90	3	270	6	541	9	815	6	542	7	637	2	180	2	183
93-97	3	287	4	380	13	1233	30	2862	43	4098	25	2376	20	1913	3	288
98-102	4	399	18	1801	16	1600	83	8295	84	8411	106	10635	99	9922	45	4528
103-107	3	314	8	838	20	2100	80	8387	135	14183	220	23118	208	21843	170	17892
108-112	1	110	15	1643	28	3085	144	15881	178	19627	342	37706	384	42273	397	43772
113-117	3	346	7	802	27	3104	100	11516	168	19315	331	38124	397	45769	456	52537
118-122	3	360	11	1315	19	2281	113	13527	198	23696	375	44920	535	64061	723	86679
123-127	4	500	4	502	13	1629	85	10627	113	14113	278	34683	459	57324	666	83252
128-132	2	258	5	652	9	1156	57	7384	85	11051	229	29740	335	43472	576	74808
133-137	..	..	4	541	6	812	26	3514	67	9050	130	17545	221	29843	376	50775
138-142	..	..	2	280	1	140	21	2923	36	5016	94	13134	132	18460	271	37851
143-147	..	..	..	..	..	..	16	2351	15	2174	44	6373	90	13049	141	20457
148-152	..	..	2	300	..	..	4	613	19	2849	48	7187	62	9288	114	17086
153-157	..	..	..	..	..	..	1	156	3	464	11	1703	23	3562	48	7438
158-162	..	..	..	..	1	160	1	160	5	798	10	1599	17	2718	54	8631
163-167	..	..	..	..	..	..	1	165	..	..	3	494	10	1654	14	2307
168-172	..	..	..	..	..	..	1	170	..	..	5	846	14	2371	19	3227
173-177	..	..	..	..	..	..	..	..	1	175	4	700	4	702	4	703
178-182	..	..	..	..	..	..	..	..	..	..	..	..	3	540	4	721
183-187	..	..	..	..	..	..	..	..	..	..	..	..	1	187	3	561
188-192	..	..	..	..	..	..	..	..	2	382	..	..	..	..	1	191
Total	25	2746	86	9581	159	17841	773	89431	1158	135944	2262	271520	3017	369216	4087	513887

AGE GROUP 20-24—(Continued)

Weight	5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
93-97	4	383	1	97	..	..	..	..	..	..	..	..	..	..	..	..
98-102	28	2812	8	806	..	..	..	..	..	..	..	..	..	..	..	..
103-107	82	8652	30	3161	8	842	1	106	..	..	..	..	..	..	1	107
108-112	211	23271	88	9714	33	3654	7	773	1	110	1	110	2	220	..	..
113-117	334	38488	179	20623	59	6803	29	3323	5	574	3	346	2	230	..	..
118-122	505	60585	341	40961	174	20871	59	7088	13	1562	2	238	1	120	..	..
123-127	638	79752	472	59060	236	29486	118	14772	37	4632	12	1503	1	126	..	..
128-132	525	68155	487	63312	316	41095	124	16123	58	7546	16	2082	4	518	..	..
133-137	452	60998	368	49692	294	39719	186	25112	57	7703	25	3378	5	681	1	135
138-142	343	47969	365	51042	273	38206	159	22258	75	10504	29	4046	2	280	1	142
143-147	193	27966	193	27983	171	24774	131	18974	53	7673	24	3476	6	862	3	436
148-152	172	25758	187	27997	163	24399	124	18572	76	11378	34	5097	12	1798	..	..
153-157	75	11622	89	13790	84	13012	51	7896	43	6658	15	2318	8	1236	1	155
158-162	65	10380	81	12953	57	9120	51	8148	30	4804	22	3515	5	800	2	320
163-167	30	4945	40	6598	31	5120	32	5262	18	2960	13	2143	8	1309	4	661
168-172	16	2709	23	3902	19	3219	16	2717	14	2374	6	1019	6	1020	2	337
173-177	9	1576	19	3309	19	3320	16	2800	6	1049	7	1226	5	880	..	..
178-182	7	1252	15	2696	11	1974	12	2159	4	718	4	724	2	358	..	..
183-187	4	737	4	739	6	1110	6	1107	2	370	..	..	1	187	..	..
188-192	1	190	2	380	5	949	9	1709	2	379	..	..	2	382	1	188
193-197	1	195	1	195	1	194	1	195	1	195	2	392	..	..	1	195
198-202	..	..	1	200	3	598	1	200	2	398	..	..	1	200	1	200
203-207	..	..	..	..	..	..	..	..	..	..	1	203	..	..	..	..
208-212	..	..	..	..	..	..	1	210	..	..	1	210	1	208	..	..
218-222	..	..	..	..	1	222	..	..	..	..	..	..	..	..	..	..
223-227	..	..	..	..	..	..	..	..	..	..	1	225	..	..	..	..
243-247	..	..	..	..	..	..	..	..	1	246	..	..	..	..	..	..
Total	3695	478395	2994	399210	1964	268687	1134	159504	498	71833	218	32251	74	11415	18	2876

AGE GROUP 20-24—(Concluded)

Weight	6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 3 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
138-142	..	..	1	142	1	140
158-162	1	162	..	..	..	..
163-167	1	167	..	..	..	..
168-172	1	170	..	..	1	168
178-182	..	..	..	..	1	180
Total	3	499	1	142	3	488

TABLE X (Continued)

BUILD—WOMEN

AGE GROUP 25-29

Weight	4 Feet 1 Inch		4 Feet 2 Inches		4 Feet 4 Inches		4 Feet 5 Inches		4 Feet 6 Inches		4 Feet 7 Inches		4 Feet 8 Inches		4 Feet 9 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
83-87	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	257
88-92	..	..	..	..	..	..	..	..	..	..	1	90	..	..	1	89
93-97	..	..	..	..	..	..	..	..	1	97	..	..	2	190	5	476
98-102	1	100	1	100	..	..	1	99	1	102	..	..	..	..	3	299
103-107	..	..	..	..	..	..	1	105	..	..	..	..	2	212	2	209
108-112	1	108	2	224	..	..	1	112	..	..	1	110	3	330	4	436
113-117	..	..	1	114	..	..	1	115	..	..	..	..	..	..	2	232
118-122	..	..	..	..	1	118	1	120	1	120	..	..	1	120	4	481
123-127	..	..	..	..	..	..	1	126	..	..	..	..	1	125	3	377
128-132	2	258	..	..	..	..	..	..	..	..	..	..	1	132	5	648
133-137	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	539
138-142	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	418
143-147	..	..	..	..	1	146	..	..	..	..	..	..	..	..	..	..
183-187	..	..	..	..	..	..	..	..	1	185	..	..	..	..	..	..
Total	4	466	4	438	2	264	6	677	4	504	2	200	10	1109	39	4461

AGE GROUP 25-29—(Continued)

Weight	4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
78-82	..	..	..	..	..	..	1	80	..	..	..	..	..	..	..	..
83-87	3	259	2	173	..	..	2	174	..	..	1	86	1	87	..	..
88-92	3	270	6	546	12	1082	8	723	3	274	3	272	1	88	2	181
93-97	10	951	13	1240	57	5442	42	3999	39	3712	26	2466	10	960	2	190
98-102	10	1005	30	2991	103	10284	112	11231	161	16155	121	12311	84	8455	30	3018
103-107	14	1472	27	2833	116	12168	175	18375	251	26375	247	25933	228	23997	93	9813
108-112	12	1319	45	4963	184	20128	229	25214	383	42176	410	45203	462	50934	274	30219
113-117	11	1268	24	2763	127	14610	205	23568	470	54109	481	55434	542	62387	403	46421
118-122	15	1797	41	4909	158	19033	212	25378	484	58049	650	77810	863	103452	635	76171
123-127	5	624	23	2866	97	12136	190	23771	420	52466	643	80344	897	112120	822	102779
128-132	7	914	18	2345	95	12336	148	19211	330	42916	485	62953	744	96633	709	92055
133-137	3	403	20	2696	66	8913	95	12819	206	27790	311	41968	551	74372	638	86160
138-142	6	838	12	1674	49	6853	80	11188	171	23907	274	38272	422	58975	547	76432
143-147	1	145	7	1011	29	4214	42	6097	92	13342	151	21883	259	37504	271	39301
148-152	1	150	2	302	26	3894	31	4641	88	13182	128	19192	232	34785	287	42987
153-157	1	153	3	463	12	1860	14	2165	36	5560	63	9761	112	17342	122	18909
158-162	..	..	..	..	10	1598	19	3032	44	7029	53	8480	100	15984	145	23172
163-167	..	..	..	..	3	493	6	988	18	2965	36	5936	56	9228	85	14025
168-172	..	..	1	170	3	507	2	339	5	844	16	2712	42	7129	71	12049
173-177	..	..	..	..	1	175	2	348	1	175	9	1572	15	2621	29	5074
178-182	..	..	..	..	..	..	..	..	4	726	8	1442	12	2156	25	4495
183-187	..	..	..	..	..	..	1	185	2	372	2	370	4	744	11	2033
188-192	..	..	..	..	..	..	1	190	..	..	4	758	5	951	10	1896
193-197	..	..	..	..	..	..	..	..	..	..	3	586	1	193	..	..
198-202	..	..	..	..	..	..	..	..	1	200	..	..	3	599	5	1000
203-207	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	205
208-212	..	..	..	..	..	..	..	..	..	..	1	210	..	..	..	..
Total	102	11568	274	31945	1148	135726	1617	193716	3209	392324	4126	515954	5646	721696	5217	688585

TABLE X (Continued)

BUILD—WOMEN

AGE GROUP 25-29—(Continued)

Weight	5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 1 Inch	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
93-97	1	97	..	..	..	..	..	..	..	..	1	97	..	..	..	..
98-102	9	903	2	198	..	..	..	..	..	..	..	..	..	..	..	..
103-107	37	3885	11	1159	1	105	1	105	..	..	..	..	..	..	..	..
108-112	141	15571	59	6524	14	1554	1	112	1	110	..	..	2	225	..	..
113-117	216	24886	95	10942	42	4836	4	462	1	117	1	115	..	..	..	..
118-122	422	50621	187	22393	81	9718	18	2167	1	122	3	358	1	122	..	..
123-127	605	75691	287	35917	143	17904	31	3885	6	746	4	497	1	125	..	..
128-132	598	77738	399	51887	186	24167	56	7271	16	2082	8	1042	1	130	..	..
133-137	563	76000	363	49019	208	28082	61	8240	28	3790	9	1219	1	135	..	..
138-142	521	72910	351	49024	241	33672	58	8112	31	4337	9	1258	5	697	..	..
143-147	316	45803	236	34210	183	26552	60	8705	31	4476	3	434	1	145	..	..
148-152	326	48851	235	35196	193	28930	48	7195	40	6002	20	2998	3	448	..	..
153-157	137	21245	128	19843	122	18912	33	5112	26	4040	11	1713	1	156	..	..
158-162	173	27670	130	20779	117	18706	55	8779	27	4315	7	1123	5	802	..	..
163-167	123	20299	63	10379	76	12522	30	4946	17	2806	5	825	1	165	1	166
168-172	99	16799	65	11034	57	9676	28	4758	16	2709	3	506	3	513	..	..
173-177	50	8743	50	8739	36	6297	20	3505	7	1224	4	701	1	175	..	..
178-182	31	5582	45	8096	37	6651	13	2338	11	1978	3	540	..	..	..	..
183-187	10	1852	22	4067	12	2218	10	1851	6	1115	2	370	2	372	..	..
188-192	9	1710	12	2282	7	1329	5	949	5	950	3	571	2	381	..	..
193-197	3	586	4	777	8	1557	7	1366	8	1562	2	388	..	..	..	..
198-202	2	402	6	1198	6	1198	3	598	4	802	6	1196	1	200	..	..
203-207	1	205	..	..	2	408	1	205	1	203	..	..	..	..	..	..
208-212	1	210	1	210	2	420	1	210	1	209	1	210	..	..	..	..
213-217	..	..	1	215	..	..	..	..	..	..	..	..	..	..	..	..
218-222	1	218	..	..	..	..	..	..	..	..	..	..	..	..	..	..
223-227	..	..	..	..	..	..	1	225	..	..	..	..	..	..	1	225
Total	4395	598477	2752	384088	1774	255414	545	81096	284	43695	105	16161	31	4791	2	391

AGE GROUP 25-29—(Concluded)

Weight	6 Feet 2 Inches	
	Num-ber	Aggregate Weight
163-167	1	165
173-177	1	177
Total	2	342

AGE GROUP 30-34

Weight	4 Feet 2 Inches		4 Feet 4 Inches		4 Feet 5 Inches		4 Feet 6 Inches		4 Feet 7 Inches		4 Feet 8 Inches		4 Feet 9 Inches		4 Feet 10 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
83-87	..	..	..	..	..	..	..	..	..	..	1	85	..	..	1	85
88-92	..	..	..	..	..	..	..	..	1	90	..	..	3	269	5	451
93-97	1	95	..	..	..	..	..	..	..	..	2	191	4	378	5	475
98-102	..	..	1	100	..	..	..	..	3	302	1	100	6	600	10	999
103-107	2	208	..	..	..	..	..	..	..	..	..	..	..	9	938	..
108-112	..	..	..	..	..	..	..	..	..	..	3	330	6	667	16	1765
113-117	..	..	1	113	1	117	..	..	..	..	..	..	2	230	12	1378
118-122	..	..	1	118	..	..	1	120	..	..	1	118	8	961	9	1078
123-127	..	..	1	123	..	..	1	125	..	..	2	251	3	377	11	1376
128-132	..	..	..	..	1	128	..	..	..	..	1	130	5	648	9	1170
133-137	..	..	..	..	..	..	..	..	..	..	..	..	..	5	677	..
138-142	..	..	..	..	..	..	..	..	..	..	1	140	1	140	8	1120
143-147	..	..	..	..	..	..	..	..	..	..	1	143	..	..	2	290
148-152	..	..	..	..	..	..	..	..	..	..	..	..	1	150	4	602
153-157	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	156
Total	3	303	4	454	2	245	2	245	4	392	13	1488	39	4420	107	12560

TABLE X (Continued)
BUILD—WOMEN
AGE GROUP 30-34—(Continued)

Weight	4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
83-87	2	170	4	342	..	..	..	..	..	..	..	..	..	..	..	..
88-92	6	541	10	903	7	640	9	809	5	455	1	92	..	..	..	..
93-97	11	1053	22	2091	35	3334	28	2673	19	1805	13	1238	1	96	..	..
98-102	24	2394	62	6202	94	9398	115	11526	84	8406	55	5506	19	1909	11	1106
103-107	29	3046	109	11459	104	10930	199	20923	186	19578	162	17031	64	6743	17	1786
108-112	30	3299	169	18651	202	22231	330	36379	344	37852	347	38211	183	20203	91	10029
113-117	31	3568	123	14153	177	20376	361	41541	382	44002	415	47777	294	33854	134	15460
118-122	26	3118	115	13777	209	25033	386	46265	532	63767	676	81089	452	54247	291	34901
123-127	20	2499	128	16003	139	17358	315	39395	467	58384	690	86263	613	76666	434	54317
128-132	16	2075	105	13649	143	18568	306	39769	456	59186	587	76063	623	80912	497	64634
133-137	11	1489	67	9058	99	13370	226	30512	337	45491	621	83547	590	79538	495	66861
138-142	16	2234	62	8661	70	9791	212	29659	288	40251	462	64634	552	77146	417	58324
143-147	5	728	42	6098	66	9584	106	15378	151	21907	285	41346	328	47548	300	43496
148-152	6	902	33	4943	51	7648	123	18441	184	27573	335	50210	322	48274	327	49016
153-157	4	620	13	2011	27	4187	62	9601	111	17204	156	24175	162	25100	175	27156
158-162	2	321	24	3833	15	2402	67	10716	97	15503	185	29580	197	31491	225	36004
163-167	2	330	1	165	13	2136	33	5442	62	10226	105	17306	128	21101	136	22426
168-172	..	..	3	510	7	1185	23	3892	45	7640	78	13247	106	17991	114	19349
173-177	1	175	1	175	2	351	9	1566	18	3154	47	8212	62	10850	81	14153
178-182	..	..	..	..	2	360	5	898	4	717	23	4137	36	6465	72	12948
183-187	1	184	1	184	1	185	3	555	9	1664	15	2766	22	4073	35	6474
188-192	..	..	..	..	1	190	4	758	3	572	6	1141	5	950	20	3807
193-197	..	..	..	..	..	..	2	390	3	585	4	780	3	585	7	1364
198-202	..	..	..	..	2	400	..	..	..	..	2	396	5	998	11	2196
203-207	..	..	..	..	..	..	..	..	1	205	1	204	2	412	1	206
213-217	..	..	..	..	..	..	..	..	..	..	..	1	213	..	..	..
218-222	..	..	..	..	..	..	..	..	..	..	1	220	..	..	..	..
223-227	..	..	..	..	..	..	..	..	..	..	..	1	224	1	225	..
Total	243	28746	1094	132868	1466	179657	2924	367088	3788	486127	5272	695171	4771	647589	3892	546238

AGE GROUP 30-34—(Concluded)

Weight	5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 1 Inch		6 Feet 2 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
98-102	1	101	..	..	..	..	..	..	..	..	..	..	..	..	..	..
103-107	7	736	..	..	..	..	..	..	1	105	..	..	..	..	..	..
108-112	23	2543	8	886	1	110	..	..	..	..	..	..	1	110	..	..
113-117	48	5546	17	1965	5	577	..	..	..	..	..	..	..	..	..	..
118-122	150	17974	44	5394	16	1910	..	..	2	242	1	120	..	..	..	..
123-127	193	24157	72	9108	21	2626	9	1131	1	125	..	..	1	125	..	..
128-132	296	38494	132	17168	45	5850	7	905	4	520	..	..	1	130	..	..
133-137	336	45399	163	22029	45	6088	17	2306	4	539	1	135	..	..	..	..
138-142	302	42197	165	23076	60	8399	33	4621	3	421	..	..	..	..	..	..
143-147	196	28447	138	20033	47	6824	16	2329	5	726	1	145	..	..	..	..
148-152	213	31918	140	20983	64	9597	29	4343	14	2093	4	600	..	..	..	..
153-157	101	15660	80	12408	38	5890	11	1709	2	310	1	155	..	..	..	..
158-162	151	24120	104	16633	55	8792	23	3685	6	962	2	320	..	..	..	..
163-167	98	16157	66	10895	32	5277	8	1319	8	1326	2	330	..	..	..	..
168-172	87	14759	68	11542	33	5611	16	2718	5	853	4	678	..	..	..	..
173-177	57	9971	53	9265	18	3150	11	1923	6	1052	1	177	1	175	..	..
178-182	55	9901	46	8268	18	3234	7	1256	3	539	..	..	..	..	1	180
183-187	37	6850	29	5365	15	2774	7	1295	..	..	..	..	..	..	..	..
188-192	26	4931	18	3416	12	2283	1	190	3	567	..	..	..	..	..	..
193-197	11	2149	10	1955	9	1757	2	389	5	977	3	587	1	195	..	..
198-202	11	2202	9	1797	8	1599	3	599	3	598	1	200	..	..	..	..
203-207	..	..	..	..	..	..	2	410	1	205	1	205	..	..	..	..
208-212	1	211	4	840	..	..	3	625	..	..	1	210	..	..	..	..
213-217	..	..	..	..	1	217	1	214	2	432	..	..	..	..	..	..
218-222	1	220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
223-227	..	..	..	..	1	225	..	..	..	..	..	..	..	..	..	..
228-232	..	..	..	..	1	230	..	..	..	..	..	..	..	..	..	..
233-237	1	234	..	..	..	..	..	..	..	..	..	..	..	..	..	..
238-242	1	239	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2403	345116	1366	203026	545	83020	206	31967	78	12592	23	3862	5	735	1	180

TABLE X (Continued)

BUILD—WOMEN

AGE GROUP 35-39

Weight	3 Feet 11 Inches		4 Feet		4 Feet 3 Inches		4 Feet 4 Inches		4 Feet 5 Inches		4 Feet 6 Inches		4 Feet 7 Inches		4 Feet 8 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
83-87	1	85	..	..	..	..	..	..	..	..	..	..	..	..	1	85
88-92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	90
93-97	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	96
98-102	..	..	..	..	..	..	..	..	..	..	..	..	1	102	1	100
103-107	..	..	..	..	..	..	..	..	..	..	..	..	1	105	4	424
108-112	..	..	..	..	..	..	1	108	..	..	..	..	1	110	2	220
113-117	..	..	..	..	..	..	..	..	1	115	1	115	..	..	1	115
118-122	..	..	1	119	1	120	..	..	..	..	..	..	..	..	..	..
123-127	..	..	..	..	..	..	..	..	..	..	1	127	..	..	1	123
128-132	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	130
133-137	..	..	..	..	..	..	1	136	..	..	1	135	..	..	..	..
138-142	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	142
143-147	..	..	..	..	..	..	..	..	1	145	..	..	..	..	..	..
153-157	..	..	..	..	..	..	1	157	..	..	..	..	..	..	..	..
Total	1	85	1	119	1	120	3	401	2	260	3	377	3	317	14	1525

AGE GROUP 35-39—(Continued)

Weight	4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
78-82	..	..	..	..	..	..	1	82	..	..	..	..	..	..	..	..
83-87	..	..	..	..	..	..	5	428	..	..	..	..	..	..	..	..
88-92	1	90	2	180	2	182	4	364	9	812	1	92	7	631	1	90
93-97	..	..	6	569	5	479	19	1802	13	1239	9	864	9	858	9	859
98-102	3	300	15	1500	12	1193	49	4891	53	5297	62	6226	48	4811	29	2896
103-107	..	..	4	424	16	1677	48	5041	77	8096	126	13252	101	10608	65	6842
108-112	9	989	12	1319	24	2643	89	9801	121	13345	195	21504	204	22484	222	24475
113-117	2	231	5	574	20	2295	100	11505	114	13123	243	27971	217	25020	228	26251
118-122	5	602	12	1444	21	2518	113	13533	150	17841	293	35079	300	35945	409	48973
123-127	8	1001	8	999	10	1246	98	12256	121	15111	259	32391	332	41538	451	56360
128-132	2	258	4	518	21	2731	83	10790	112	14543	236	30602	274	35600	439	57004
133-137	1	137	2	271	19	2570	78	10540	117	15784	214	28915	272	36724	429	58094
138-142	..	..	5	697	16	2228	60	8372	94	13147	159	22251	280	39149	432	60358
143-147	..	..	1	145	5	724	42	6091	58	8410	111	16090	148	21472	228	33004
148-152	..	..	4	596	6	904	45	6741	60	8990	141	21155	173	25917	309	46328
153-157	..	..	1	155	5	774	20	3094	27	4177	51	7907	104	16113	158	24491
158-162	1	159	1	160	5	796	19	3034	32	5115	62	9915	98	15665	203	32457
163-167	..	..	1	165	1	165	7	1158	16	2642	30	4952	61	10050	104	17178
168-172	..	..	..	..	..	..	4	678	11	1873	15	2547	51	8670	84	14233
173-177	..	..	..	..	1	175	5	877	4	702	9	1578	18	3147	53	9270
178-182	..	..	..	..	..	..	3	543	2	360	10	1796	15	2703	34	6115
183-187	..	..	..	..	..	..	..	..	1	184	1	183	11	2032	13	2407
188-192	..	..	..	..	1	190	1	190	2	379	3	568	3	573	10	1897
193-197	..	..	..	..	..	..	1	195	..	..	2	387	2	391	3	582
198-202	..	..	..	..	..	..	..	..	..	..	..	..	1	198	4	797
203-207	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	204
208-212	..	..	..	..	..	..	..	..	1	210	..	..	..	..	1	210
223-227	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	225
Total	32	3767	83	9716	190	23490	894	112006	1195	151380	2232	286225	2729	360299	3920	531600

TABLE X (Continued)
BUILD—WOMEN
AGE GROUP 35-39—(Continued)

Weight	5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
88-92	1	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..
93-97	4	382	..	..	1	95	..	..	..	..	..	..	..	..	..	..
98-102	17	1706	7	702	..	..	1	100	..	..	..	..	..	..	..	..
103-107	50	5258	19	2002	3	315	1	104	1	103	1	105	..	..	..	..
108-112	130	14348	47	5200	13	1434	3	327	1	110	..	..	1	112	3	332
113-117	183	21069	91	10492	29	3343	8	922	1	115	1	117	..	..	..	..
118-122	272	32730	176	21122	73	8745	20	2411	9	1081	..	..	..	..	..	..
123-127	381	47607	266	33295	116	14509	46	5740	6	749	2	246	3	374	2	247
128-132	428	55743	273	35458	165	21473	57	7409	15	1946	5	653	3	390	1	130
133-137	477	64424	346	46761	221	29851	95	12823	32	4332	9	1217	1	135	1	136
138-142	418	58238	345	48403	232	32439	122	17089	38	5307	11	1541	3	421	2	282
143-147	247	35851	200	29024	152	22055	92	13333	35	5072	23	3337	2	290	1	145
148-152	275	41220	261	39078	180	26959	96	14376	60	8993	20	3006	12	1804	4	596
153-157	173	26828	139	21581	110	17051	81	12575	21	3254	7	1086	5	781	..	..
158-162	218	34815	203	32438	157	25083	68	10879	35	5591	12	1918	2	320	2	318
163-167	144	23748	134	22105	103	16988	56	9231	22	3622	12	1974	1	165	..	..
168-172	129	21891	115	19530	105	17824	58	9842	34	5764	16	2717	5	848	..	..
173-177	90	15752	86	15056	79	13826	50	8749	27	4719	7	1223	4	698	3	525
178-182	43	7733	65	11689	65	11704	49	8808	22	3962	11	1975	3	540	1	182
183-187	21	3882	30	5543	34	6302	28	5190	16	2970	3	555	2	370	3	554
188-192	13	2469	14	2673	18	3413	27	5131	10	1903	4	761	1	189	1	190
193-197	1	194	14	2754	9	1755	14	2731	4	779	3	583	4	779	1	196
198-202	6	1201	5	998	14	2787	17	3400	6	1200	6	1200	2	398	..	..
203-207	..	..	2	408	..	..	2	409	2	409	..	..	..	..	..	..
208-212	3	628	2	420	4	836	6	1259	2	421	1	209	..	..	..	..
213-217	..	..	1	215	..	..	..	..	..	..	..	..	..	..	..	..
218-222	..	..	1	220	1	220	..	..	..	..	..	..	..	..	1	220
243-247	..	..	..	..	..	..	..	..	..	..	1	244	..	..	..	..
248-252	..	..	1	250	..	..	..	..	..	..	..	..	..	..	..	..
Total	3724	517809	2843	407417	1884	279007	997	152838	399	62402	155	24667	54	8614	26	4053

AGE GROUP 35-39—(Concluded)

Weight	6 Feet 1 Inch		6 Feet 2 Inches		6 Feet 4 Inches		6 Feet 5 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
118-122	..	..	..	..	1	119	..	..
158-162	..	..	1	162	..	..	..	..
178-182	1	180	..	..	..	..	..	..
183-187	1	185	..	..	..	..	..	..
208-212	1	212	..	..	..	..	..	..
218-222	..	..	..	..	..	..	1	220
Total	3	577	1	162	1	119	1	220

AGE GROUP 40-44

Weight	4 Feet		4 Feet 3 Inches		4 Feet 4 Inches		4 Feet 5 Inches		4 Feet 6 Inches		4 Feet 7 Inches		4 Feet 8 Inches		4 Feet 9 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
68-72	..	..	..	..	..	..	..	..	2	144	..	..	..	..	..	..
83-87	..	..	..	..	..	..	..	..	1	85	2	170	..	..	1	84
93-97	..	..	..	..	..	..	..	..	..	..	..	..	1	93	..	..
98-102	..	..	..	..	..	..	..	..	..	..	2	200	2	198	2	200
103-107	..	..	..	..	..	..	..	..	..	..	..	..	1	106	1	105
108-112	..	..	1	110	..	..	..	..	..	..	..	..	1	110	..	..
113-117	..	..	..	..	..	..	..	..	..	..	..	..	1	115	2	231
118-122	..	..	1	119	1	121	..	..	..	..	..	..	2	240	3	359
123-127	1	125	..	..	..	..	..	..	..	..	..	..	1	125	1	124
133-137	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	405
138-142	..	..	..	..	..	..	1	142	..	..	..	..	..	..	2	278
148-152	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	148
158-162	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	160
Total	1	125	2	229	1	121	1	142	3	229	4	370	9	987	17	2094

TABLE X (Continued)

BUILD—WOMEN

AGE GROUP 40-44—(Continued)

Weight	4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
83-87	..	..	5	435	..	..	1	85	..	..	..	..	..	..	..	..
88-92	..	..	5	452	1	90	1	90	3	271	1	91	1	90	..	..
93-97	3	287	4	379	11	1048	9	860	16	1523	5	476	3	284	..	..
98-102	2	198	8	804	24	2405	35	3504	34	3408	21	2104	16	1613	6	601
103-107	4	422	10	1053	36	3792	31	3251	49	5167	52	5471	34	3578	19	2003
108-112	10	1100	18	1990	64	7040	69	7615	107	11778	94	10355	91	10022	61	6735
113-117	4	463	10	1151	50	5756	72	8285	141	16259	122	14077	115	13246	78	8989
118-122	6	720	15	1802	50	5970	81	9692	159	19039	195	23368	232	27832	147	17651
123-127	6	755	15	1870	41	5110	72	9007	147	18381	183	22889	255	31874	203	25378
128-132	6	772	10	1299	65	8445	86	11165	139	18036	178	23140	280	36372	212	27573
133-137	5	675	12	1633	36	4869	67	9062	157	21211	174	23510	234	31615	245	33103
138-142	8	1119	9	1256	45	6293	67	9386	140	19585	176	24589	268	37470	246	34392
143-147	2	292	3	435	35	5064	42	6097	98	14228	134	19418	193	27988	177	25645
148-152	1	150	13	1950	33	4932	49	7332	106	15879	161	24114	207	31027	210	31467
153-157	..	..	1	155	19	2941	32	4959	54	8364	73	11299	134	20768	127	19694
158-162	2	321	4	640	20	3197	27	4317	78	12483	88	14071	162	25904	155	24789
163-167	..	..	..	..	9	1488	14	2303	38	6274	61	10051	105	17330	121	19960
168-172	1	171	..	..	2	340	3	510	28	4749	54	9163	73	12393	89	15114
173-177	1	177	1	175	3	525	6	1053	15	2624	23	4021	58	10141	77	13462
178-182	..	..	1	180	2	358	1	180	10	1799	26	4677	28	5037	42	7557
183-187	..	..	..	..	2	370	4	737	4	737	6	1114	18	3326	19	3512
188-192	..	..	..	..	..	..	..	..	3	569	5	950	8	1516	16	3047
193-197	..	..	..	..	1	195	1	193	2	392	1	194	3	587	4	781
198-202	..	..	..	..	..	..	..	..	1	202	5	998	3	600	3	600
203-207	..	..	..	..	..	..	..	..	1	206	..	..	..	..	3	612
208-212	..	..	..	..	..	..	..	..	..	..	..	..	2	420	2	418
218-222	..	..	..	..	..	..	..	..	..	..	2	436	..	..	2	439
223-227	..	..	..	..	..	..	..	..	..	..	..	..	1	225	..	..
Total	61	7622	144	17659	549	70228	770	99683	1530	203164	1840	250576	2524	351258	2264	323522

AGE GROUP 40-44—(Continued)

Weight	5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 1 Inch	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
98-102	..	..	1	102	..	..	..	..	..	..	..	..	..	..	..	..
103-107	7	738	2	210	1	105	..	..	..	..	..	..	1	107	..	..
108-112	19	2094	3	328	3	328	..	..	..	..	..	..	..	..	..	..
113-117	35	4029	11	1268	4	463	..	..	..	..	..	..	..	..	..	..
118-122	73	8772	37	4449	14	1680	1	122	..	..	1	120	..	..	..	..
123-127	150	18775	47	5876	23	2872	5	629	2	248	..	..	2	251	..	..
128-132	142	18431	89	11550	32	4157	4	518	1	128	4	520	1	130	..	..
133-137	187	25266	80	10823	38	5141	10	1351	4	544	2	272	..	..	..	..
138-142	208	29129	116	16213	56	7841	16	2240	4	562	..	..	..	..	..	..
143-147	138	20043	71	10297	43	6235	13	1883	6	867	2	289	..	..	..	..
148-152	158	23654	103	15434	66	9890	22	3294	10	1497	6	896	..	..	..	..
153-157	114	17667	61	9441	32	4961	7	1084	8	1247	1	157	1	155	..	..
158-162	133	21279	80	12798	50	7984	18	2881	5	798	3	480	..	..	..	..
163-167	95	15671	68	11216	32	5274	18	2963	6	995	1	163	1	166	..	..
168-172	91	15448	64	10883	44	7489	13	2214	5	852	2	342	..	..	..	..
173-177	72	12604	42	7347	50	8734	19	3322	7	1225	4	699	1	176	..	..
178-182	63	11317	54	9715	27	4861	17	3055	9	1616	3	544	1	180	2	360
183-187	33	6090	25	4621	27	4980	15	2785	2	370	..	..	1	185	..	..
188-192	15	2849	12	2285	18	3421	13	2470	7	1327	2	382	..	..	..	..
193-197	13	2537	11	2145	9	1758	3	583	2	390	2	390	1	195	1	195
198-202	9	1799	10	1998	12	2395	8	1598	4	800	1	200	1	200	..	..
203-207	2	412	2	406	3	613	3	617	2	409	..	..	1	206	..	..
208-212	1	210	1	210	1	208	1	209	1	212	..	..	1	209	..	..
213-217	2	428	2	432	..	..	..	..	..	..	..	..	1	215	..	..
218-222	..	..	..	..	..	..	2	436	..	..	..	..	..	..	..	..
228-232	..	..	1	230	..	..	..	..	..	..	..	..	..	..	..	..
233-237	..	..	..	..	..	..	..	..	..	..	..	..	1	237	1	236
Total	1760	259242	993	150277	585	91390	208	34254	85	14087	34	5454	15	2612	4	791

TABLE X (Continued)
BUILD—WOMEN
AGE GROUP 40-44—(Concluded)

Weight	6 Feet 2 Inches		6 Feet 3 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
198-202	1	198	..	..
223-227	..	..	1	223
Total	1	198	1	223

AGE GROUP 45-49

Weight	4 Feet 2 Inches		4 Feet 4 Inches		4 Feet 5 Inches		4 Feet 6 Inches		4 Feet 7 Inches		4 Feet 8 Inches		4 Feet 9 Inches		4 Feet 10 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
98-102	..	..	..	..	1	100	..	..	..	..	2	201	1	102	4	396
103-107	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	105
108-112	..	..	..	..	..	..	1	110	1	110	1	110	2	220	4	442
113-117	1	115	..	..	..	..	..	..	..	..	..	..	2	231	5	575
118-122	..	..	1	118	..	..	..	..	..	..	1	118	2	238	7	840
123-127	..	..	..	..	..	..	..	..	..	..	1	123	2	250	6	753
128-132	..	..	..	..	..	..	1	130	..	..	..	..	..	..	6	778
133-137	..	..	..	..	..	..	..	..	..	..	..	..	2	270	2	272
138-142	..	..	..	..	..	..	..	..	..	..	..	..	2	280	5	700
143-147	..	..	..	..	1	147	..	..	..	..	..	..	..	..	3	436
148-152	..	..	..	..	..	..	..	..	..	..	..	..	1	150	4	597
153-157	..	..	..	..	..	..	..	..	..	..	1	155	..	..	2	308
158-162	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	318
163-167	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	167
Total	1	115	1	118	2	247	2	240	1	110	6	707	14	1741	52	6687

AGE GROUP 45-49—(Continued)

Weight	4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
78-82	1	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
83-87	..	..	2	170	..	..	..	..	..	..	..	..	..	..	..	..
88-92	2	177	5	452	1	90	..	..	..	..	..	..	..	..	..	..
93-97	..	..	4	381	3	291	3	286	7	671	5	476	1	97	..	..
98-102	9	898	19	1903	12	1201	26	2607	8	798	8	800	8	808	1	99
103-107	4	420	15	1579	26	2739	28	2935	21	2214	10	1052	3	313	1	103
108-112	12	1321	25	2754	26	2860	53	5830	54	5927	36	3959	32	3503	6	664
113-117	7	809	22	2530	54	6216	71	8181	43	4962	45	5190	40	4625	13	1493
118-122	10	1198	46	5517	45	5397	104	12441	93	11139	136	16325	59	7076	44	5272
123-127	12	1502	49	6126	40	4992	100	12531	94	11766	138	17246	118	14767	56	6996
128-132	3	388	38	4931	39	5076	89	11557	113	14684	141	18327	122	15864	55	7157
133-137	9	1218	26	3514	44	5951	88	11885	115	15531	166	22418	135	18232	85	11484
138-142	11	1533	27	3767	54	7559	107	14963	116	16215	156	21836	133	18610	87	12154
143-147	6	875	33	4787	34	4935	94	13659	101	14655	116	16801	103	14948	81	11753
148-152	6	898	20	2995	59	8847	83	12445	107	16041	155	23214	116	17376	91	13631
153-157	1	155	8	1239	24	3728	40	6209	50	7750	71	11014	71	11025	53	8224
158-162	2	320	14	2237	25	4002	81	12950	81	12961	95	15197	110	17586	91	14557
163-167	4	656	5	823	18	2971	33	5441	48	7908	70	11530	72	11882	73	12049
168-172	..	..	1	171	6	1016	18	3051	38	6438	66	11205	70	11885	72	12215
173-177	1	175	4	701	..	..	9	1569	18	3150	38	6645	51	8928	56	9785
178-182	1	180	1	180	3	540	2	360	12	2155	16	2876	32	5754	39	7018
183-187	..	..	..	..	1	185	7	1300	9	1666	8	1485	11	2036	26	4814
188-192	..	..	..	..	..	..	2	380	5	951	6	1141	9	1711	17	3227
193-197	..	..	..	..	..	..	1	195	3	581	2	390	7	1367	10	1949
198-202	..	..	..	..	..	..	..	..	1	200	4	797	3	596	10	1995
203-207	..	..	..	..	..	..	..	..	..	..	1	205	1	205	2	410
208-212	..	..	..	..	..	..	..	..	..	..	..	..	3	628	2	418
213-217	..	..	..	..	..	..	..	..	..	..	1	215	2	430	2	430
218-222	..	..	..	..	..	..	..	..	2	438	..	..	..	..	..	..
228-232	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	230
Total	101	12803	364	46757	514	68596	1039	140775	1139	158801	1490	210344	1312	190252	974	148127

TABLE X (Continued)

BUILD—WOMEN

AGE GROUP 45-49—(Concluded)

Weight	5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet		6 Feet 2 Inches	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
98-102	1	102	..	..	..	..	..	..	..	..	..	..	..	..
103-107	..	..	..	..	..	..	..	..	1	107	..	..	..	..
108-112	8	880	2	221	..	..	..	..	1	111	1	109	..	..
113-117	4	459	1	115	..	..	..	..	..	..	..	..	..	..
118-122	12	1436	4	482	2	241	1	118	1	122	..	..	..	..
123-127	13	1627	5	626	1	125	..	..	..	..	..	..	..	..
128-132	34	4427	17	2209	4	518	1	128	..	..	..	..	..	..
133-137	47	6350	13	1762	6	810	2	269	..	..	..	..	..	..
138-142	50	7003	28	3917	13	1816	3	418	..	..	..	..	..	..
143-147	46	6662	22	3191	12	1737	..	..	..	..	..	..	..	..
148-152	65	9736	38	5695	9	1348	10	1495	..	..	..	..	..	..
153-157	38	5893	16	2476	7	1084	2	308	1	155	..	..	..	..
158-162	51	8159	31	4955	13	2078	6	958	4	646	..	..	..	..
163-167	46	7585	22	3627	4	661	5	821	..	..	..	..	..	..
168-172	44	7475	25	4246	11	1871	2	338	..	..	..	..	..	..
173-177	28	4902	14	2446	11	1928	5	873	3	525	1	175	..	..
178-182	41	7380	26	4679	12	2160	3	542	1	182	..	..	..	..
183-187	19	3519	17	3140	6	1111	..	..	..	..	..	..	1	185
188-192	16	3036	17	3229	5	950	3	570	1	190	..	..	..	..
193-197	9	1758	7	1367	3	586	3	585	..	..	..	..	..	..
198-202	14	2794	5	999	3	600	1	200	4	802	1	200	..	..
203-207	4	819	1	206	..	..	..	..	1	207	..	..	..	..
208-212	4	837	1	210	2	418	1	212	..	..	..	..	..	..
218-222	..	..	..	..	..	..	..	..	1	220	1	220	..	..
223-227	2	449	..	..	..	..	..	..	..	..	..	..	..	..
233-237	..	..	..	..	..	..	1	235	..	..	..	..	..	..
Total	596	93288	312	49798	124	20042	49	8070	19	3267	4	704	1	185

AGE GROUP 50-53

Weight	4 Feet 3 Inches		4 Feet 5 Inches		4 Feet 7 Inches		4 Feet 8 Inches		4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet	
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
93-97	..	..	..	..	..	..	1	95	..	..	..	..	..	..	1	94
98-102	..	..	..	..	..	..	..	..	1	98	3	299	1	100	3	298
103-107	..	..	..	..	..	..	..	..	1	105	7	746	2	208	4	419
108-112	..	..	..	..	..	..	..	..	1	110	3	327	9	994	20	2209
113-117	..	..	..	..	..	..	..	..	..	..	1	113	3	344	10	1152
118-122	..	..	..	..	..	..	..	..	3	361	2	240	10	1196	19	2270
123-127	1	124	..	..	..	..	..	..	1	125	3	379	10	1254	15	1878
128-132	..	..	..	..	1	128	1	128	5	652	5	651	9	1169	20	2598
133-137	..	..	..	..	..	..	..	..	2	270	5	674	6	814	21	2843
138-142	..	..	..	..	..	..	..	..	..	..	6	838	4	557	16	2247
143-147	..	..	..	..	..	..	..	..	1	145	1	147	2	290	21	3046
148-152	..	..	1	150	..	..	..	..	..	..	2	300	10	1498	21	3148
153-157	..	..	..	..	..	..	..	..	..	..	3	465	2	310	7	1091
158-162	..	..	..	..	..	..	..	..	..	..	..	..	4	640	23	3668
163-167	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	827
168-172	..	..	..	..	..	..	..	..	..	..	..	..	2	339	1	170
173-177	..	..	..	..	..	..	..	..	..	..	1	175	1	173	..	..
183-187	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	183
193-197	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	196
198-202	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	200
Total	1	124	1	150	1	128	2	223	15	1866	42	5354	75	9886	210	28537

TABLE X (Continued)

BUILD—WOMEN

AGE GROUP 50-53—(Continued)

Weight	5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
78-82	..	..	1	79	..	..	..	..	..	..	..	..	..	..	..	..
93-97	3	286	..	..	1	93	1	97	..	..	..	..	..	..	..	..
98-102	2	200	8	802	5	500	5	497	1	102	..	..	..	..	..	..
103-107	9	948	7	735	9	945	3	312	1	106	..	..	2	212	1	107
108-112	16	1764	20	2202	20	2213	16	1750	7	768	..	..	..	..	..	..
113-117	19	2188	30	3459	27	3116	24	2756	10	1148	2	232	1	115	..	..
118-122	26	3119	47	5627	50	5996	56	6733	26	3116	13	1561	2	239	2	239
123-127	24	2996	58	7260	46	5753	60	7518	40	5014	27	3379	12	1493	2	249
128-132	27	3518	38	4941	33	4279	74	9616	37	4811	31	4035	19	2474	3	388
133-137	32	4329	37	4992	56	7582	74	10008	53	7168	24	3245	12	1616	7	950
138-142	27	3772	54	7552	69	9653	75	10490	54	7544	49	6848	22	3087	14	1958
143-147	22	3202	41	5948	47	6813	62	9008	47	6810	28	4053	17	2472	8	1159
148-152	28	4196	48	7187	54	8090	64	9594	79	11833	34	5094	32	4793	9	1349
153-157	16	2487	30	4653	28	4349	27	4193	32	4957	28	4339	9	1399	5	774
158-162	21	3354	29	4646	46	7349	62	9920	64	10233	49	7828	26	4168	11	1758
163-167	10	1650	37	6109	27	4455	46	7588	35	5773	32	5276	15	2473	6	990
168-172	4	676	10	1693	20	3389	25	4249	30	5102	45	7630	23	3911	3	506
173-177	3	524	10	1753	15	2625	23	4022	36	6300	19	3322	17	2973	11	1926
178-182	4	714	5	895	3	538	20	3598	18	3236	13	2335	20	3590	8	1438
183-187	..	..	4	742	3	552	5	927	8	1475	6	1108	11	2037	7	1293
188-192	..	..	..	..	2	379	4	760	8	1516	6	1141	11	2096	3	571
193-197	..	..	..	..	1	193	..	..	1	195	8	1568	1	193	3	583
198-202	1	200	..	..	1	200	2	400	2	400	3	598	2	400	12	2400
203-207	..	..	1	206	..	..	..	..	..	..	2	411	2	408	..	..
208-212	..	..	..	..	..	..	..	..	..	..	1	210	1	210	1	210
213-217	..	..	..	..	..	..	..	..	..	..	..	..	1	215	..	..
218-222	..	..	..	..	..	..	..	..	..	..	..	..	1	220	..	..
Total	294	40123	515	71481	563	79062	728	104036	589	87607	420	64213	259	40794	116	18848

AGE GROUP 50-53—(Concluded)

Weight	5 Feet 9 Inches		5 Feet 10 Inches		5 Feet 11 Inches		6 Feet	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
103-107	1	107	..	..	..	..	..	..
113-117	..	..	..	..	1	117	..	..
133-137	2	270	..	..	..	..	..	..
138-142	5	704	1	140	..	..	..	..
143-147	4	581	2	288	..	..	..	..
148-152	5	748	4	602	..	..	1	150
153-157	2	311	2	311	..	..	..	..
158-162	3	480	3	480	1	160	..	..
163-167	4	659	1	167	..	..	..	..
168-172	6	1018	5	850	..	..	..	..
173-177	5	874	1	175	..	..	1	175
178-182	5	898	2	359	..	..	1	180
183-187	3	554	2	366	1	185	1	185
188-192	3	568	1	190	..	..	..	..
193-197	..	..	1	195	..	..	..	..
198-202	4	800	3	600	1	200	..	..
208-212	..	..	..	..	1	209	..	..
228-232	..	..	..	..	2	460	..	..
238-242	1	240	..	..	..	..	..	..
Total	53	8812	28	4723	7	1331	4	690

TABLE X (Continued)

BUILD—WOMEN

AGE GROUP 54-56

Weight	4 Feet 5 Inches		4 Feet 8 Inches		4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
78-82	..	..	..	..	..	..	..	..	1	82	..	..	..	..	..	..
83-87	..	..	..	..	..	..	..	..	1	86	..	..	..	..	..	..
88-92	..	..	..	..	..	..	..	..	1	91	..	..	..	..	..	..
93-97	..	..	..	..	1	94	..	..	..	..	..	..	..	..	1	93
98-102	..	..	..	..	..	..	..	..	1	100	6	598	2	202	1	100
103-107	..	..	1	105	..	..	2	210	..	..	5	526	1	104	4	422
108-112	1	110	..	..	1	110	1	110	2	220	14	1549	2	222	4	444
113-117	..	..	..	..	..	..	..	..	1	115	10	1149	9	1038	23	2654
118-122	..	..	..	..	..	..	2	240	5	598	14	1679	14	1680	11	1318
123-127	..	..	..	..	..	..	3	374	1	125	7	872	5	625	20	2498
128-132	1	130	1	131	3	392	..	..	3	389	17	2208	13	1686	19	2466
133-137	..	..	..	..	1	135	2	271	3	406	6	812	11	1493	21	2837
138-142	..	..	..	..	..	..	..	..	9	1261	13	1828	13	1819	21	2933
143-147	..	..	..	..	..	..	2	292	2	290	4	581	11	1592	13	1887
148-152	..	..	1	148	..	..	2	299	3	452	10	1503	20	2997	23	3442
153-157	..	..	..	..	..	..	..	..	1	155	4	617	6	930	13	2015
158-162	..	..	..	..	..	..	..	..	1	159	3	482	5	802	17	2722
163-167	..	..	..	..	..	..	1	165	..	..	4	660	4	658	10	1650
168-172	..	..	..	..	..	..	..	..	..	..	1	168	2	341	3	506
173-177	..	..	..	..	..	..	..	..	..	..	..	..	2	348	3	525
183-187	..	..	..	..	..	..	..	..	..	..	1	185	..	..	1	185
188-192	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	190
193-197	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	197
198-202	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	200
203-207	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	205
Total	2	240	3	384	6	731	15	1961	35	4529	119	15417	120	16537	212	29489

AGE GROUP 54-56—(Continued)

Weight	5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
93-97	..	..	..	..	..	..	..	..	..	..	1	95	..	..	..	..
98-102	1	100	2	202	1	100	..	..	..	..	1	100	..	..	..	..
103-107	2	212	2	212	..	..	..	..	..	..	..	..	..	..	..	..
108-112	6	662	4	440	1	112	1	110	2	219	..	..	..	..	..	..
113-117	13	1503	4	459	2	229	1	116	..	..	..	..	..	..	..	..
118-122	17	2036	23	2766	10	1202	4	474	..	..	..	..	..	..	..	..
123-127	14	1754	23	2870	21	2631	10	1254	2	248	..	..	..	..	..	..
128-132	27	3502	21	2737	21	2726	5	652	1	128	2	262	..	..	..	..
133-137	26	3511	22	2974	25	3375	11	1490	5	673	3	407	..	..	1	136
138-142	36	5037	29	4060	26	3631	17	2375	9	1260	5	701	..	..	1	138
143-147	22	3192	15	2183	13	1888	12	1739	4	579	1	145	..	..	..	..
148-152	30	4494	36	5393	29	4358	26	3892	10	1496	8	1196	3	450	..	..
153-157	16	2478	24	3718	19	2948	13	2012	8	1246	2	309	1	156	..	..
158-162	19	3045	24	3835	29	4638	17	2715	8	1276	6	962	..	..	1	160
163-167	15	2479	27	4448	14	2308	14	2308	9	1483	2	330	1	165	1	163
168-172	12	2033	20	3400	25	4257	10	1702	15	2548	7	1190	2	340	1	170
173-177	6	1045	12	2099	19	3323	17	2974	3	524	1	175	2	350	..	..
178-182	2	358	4	718	10	1796	16	2881	4	720	5	900	1	180	..	..
183-187	2	368	3	555	6	1109	4	737	2	369	4	743	1	185	..	..
188-192	2	380	1	190	2	380	3	568	7	1334	1	188	..	..	1	190
193-197	..	..	..	..	..	..	..	..	..	..	1	196	..	..	1	195
198-202	1	200	1	200	1	200	2	400	..	..	4	796	3	600	..	..
203-207	..	..	..	..	1	204	..	..	..	..	..	..	1	207	1	205
208-212	..	..	..	..	..	..	..	..	1	208	..	..	..	..	..	..
218-222	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	217
Total	269	38389	297	43459	275	41415	183	28399	90	14311	54	8695	15	2633	9	1574

AGE GROUP 54-56—(Concluded)

Weight	5 Feet 11 Inches		6 Feet	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
178-182	1	181	2	360
183-187	..	..	1	185
198-202	3	596	..	..
218-222	1	220	..	..
Total	5	997	3	545

TABLE X (Continued)

BUILD—WOMEN

AGE GROUP 57-59

Weight	4 Feet 7 Inches		4 Feet 8 Inches		4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
83-87	..	..	..	..	..	..	..	..	..	..	1	86	..	..	..	..
88-92	..	..	..	..	..	..	..	..	..	..	..	..	1	90	..	..
93-97	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	95
98-102	..	..	..	..	..	..	..	..	1	98	1	102	..	..	4	399
103-107	..	..	..	..	..	..	1	107	1	105	3	315	..	..	4	424
108-112	..	..	..	..	..	..	3	327	..	..	3	332	2	224	3	328
113-117	..	..	..	..	..	..	..	..	2	231	3	347	2	232	4	460
118-122	..	..	..	..	1	121	..	..	..	..	8	957	8	956	10	1196
123-127	..	..	..	..	..	..	..	..	2	251	5	624	6	753	7	876
128-132	1	131	1	128	..	..	2	258	3	389	8	1038	6	780	6	783
133-137	..	..	..	..	..	..	..	..	5	675	7	944	10	1352	17	2289
138-142	..	..	..	..	..	..	1	140	1	140	8	1118	11	1542	11	1539
143-147	..	..	..	..	..	..	1	145	1	145	5	729	5	724	7	1015
148-152	..	..	..	..	..	..	1	148	1	150	7	1052	11	1651	11	1652
153-157	..	..	..	..	..	..	1	155	..	..	3	466	1	155	8	1239
158-162	..	..	..	..	..	..	..	..	..	..	5	800	5	798	13	2079
163-167	..	..	..	..	..	..	..	..	2	330	..	..	2	330	7	1153
168-172	..	..	..	..	..	..	..	..	..	..	1	170	3	510	4	680
173-177	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
178-182	..	..	..	..	..	..	..	..	..	..	1	178	..	..	..	..
183-187	..	..	..	..	..	..	..	..	..	..	..	..	1	187	..	..
Total	1	131	1	128	1	121	10	1280	19	2514	69	9258	74	10284	117	16207

AGE GROUP 57-59—(Continued)

Weight	5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
98-102	3	298	1	100	..	..	..	..	..	..	..	..	..	..	..	..
103-107	2	212	1	105	..	..	..	..	..	..	..	..	..	..	..	..
108-112	5	545	2	219	..	..	..	..	..	..	..	..	..	..	..	..
113-117	4	463	3	344	3	345	..	..	2	228	..	..	..	..	..	..
118-122	4	478	10	1202	3	361	..	..	..	..	..	..	..	..	..	..
123-127	7	875	15	1891	10	1253	4	498	1	125	..	..	..	..	1	125
128-132	22	2860	7	910	24	3117	8	1038	6	782	..	..	1	132	..	..
133-137	10	1357	15	2027	14	1893	10	1360	2	269	5	677	..	..	..	..
138-142	11	1542	23	3210	12	1676	16	2236	4	561	..	..	1	140	..	..
143-147	17	2462	22	3193	11	1600	7	1008	2	290	..	..	1	144	..	..
148-152	17	2551	18	2692	16	2404	11	1652	4	598	1	152	..	..	..	..
153-157	10	1548	15	2328	5	770	8	1239	4	623	1	155	..	..	..	..
158-162	9	1439	13	2080	12	1919	5	803	..	..	2	320	1	162	..	..
163-167	6	992	11	1819	10	1647	8	1323	3	495	5	820	..	..	2	331
168-172	6	1020	13	2213	10	1696	7	1187	1	170	1	170	2	338	..	..
173-177	..	..	3	525	5	875	..	..	9	1572	1	177	..	..	3	525
178-182	..	..	4	720	2	356	4	720	5	899	1	180	3	540	..	..
183-187	..	..	5	924	3	557	3	554	3	556	..	..	..	..	..	..
188-192	..	..	..	..	4	757	..	..	..	..	..	..	1	190	1	190
193-197	..	..	..	..	1	196	..	..	..	..	..	..	1	195	..	..
198-202	1	200	..	..	1	200	..	..	..	..	1	200	..	..	..	..
203-207	..	..	1	208	..	..	..	..	..	..	..	..	..	..	..	..
208-212	..	..	..	..	..	..	..	..	..	..	1	218	..	..	..	..
213-217	..	..	..	..	..	..	..	..	..	..	1	230	..	..	..	..
218-222	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
223-227	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	134	18842	182	26710	146	21622	91	13618	46	7168	20	3299	11	1841	7	1171

AGE GROUP 57-59—(Concluded)

Weight	5 Feet 11 Inches	
	Num-ber	Aggregate Weight
133-137	1	135
Total	1	135

TABLE X (Continued)

BUILD—WOMEN

AGE GROUP 60-62

Weight	4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
88-92	1	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..
98-102	..	..	1	100	1	98	..	..	1	100	1	100	..	..	..	..
103-107	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	105
108-112	..	..	3	329	2	220	2	220	1	112	1	108	..	..	1	110
113-117	..	..	..	..	..	..	2	231	1	114	3	343	2	233	1	116
118-122	..	..	..	..	..	..	4	478	1	118	2	239	6	720	8	965
123-127	..	..	..	..	..	..	4	498	7	878	8	1003	5	627	6	751
128-132	..	..	..	..	1	130	5	652	..	..	9	1164	4	521	9	1164
133-137	..	..	..	..	1	135	5	677	6	811	5	675	7	939	9	1212
138-142	..	..	..	..	..	..	..	..	5	700	6	838	14	1961	12	1680
143-147	..	..	..	..	..	..	3	435	2	289	4	582	3	435	3	435
148-152	..	..	..	..	..	..	3	448	4	600	2	300	4	600	5	750
153-157	..	..	..	..	2	311	4	621	2	310	3	463	2	310	8	1241
158-162	..	..	..	..	..	..	1	160	2	320	4	640	3	476	8	1279
163-167	..	..	..	..	..	..	1	165	1	164	4	658	5	824	12	1978
168-172	..	..	..	..	..	..	..	..	..	..	..	..	2	338	6	1018
173-177	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	875
178-182	..	..	..	..	..	..	..	..	..	..	1	180	..	..	2	360
193-197	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	195
198-202	..	..	..	..	..	..	..	..	..	..	1	198	..	..	..	..
Total	1	90	4	429	7	894	34	4585	33	4516	54	7491	57	7984	97	14234

AGE GROUP 60-62—(Concluded)

Weight	5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 10 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
98-102	..	..	1	100	..	..	..	..	..	..	..	..
103-107	..	..	1	105	..	..	..	..	..	..	..	..
113-117	1	117	..	..	..	..	..	..	..	..	..	..
118-122	..	..	1	120	1	120	..	..	..	..	..	..
123-127	3	376	2	252	..	..	..	..	..	..	..	..
128-132	8	1036	2	260	1	130	..	..	..	1	128	..
133-137	3	405	4	544	..	..	..	..	..	..	..	..
138-142	5	704	6	835	1	138	4	562	..	..	..	..
143-147	4	578	2	290	4	573	2	292	..	..	..	..
148-152	4	598	5	752	..	..	..	..	..	..	..	..
153-157	4	618	8	1238	1	155	3	466	..	..	..	..
158-162	6	955	5	800	2	319	..	..	2	320	..	..
163-167	4	659	4	660	1	165	..	..	..	..	..	..
168-172	5	848	4	682	..	..	..	..	1	170	..	..
173-177	2	350	2	350	2	350	1	175	..	..	..	..
178-182	1	181	1	178	2	360	1	178	2	360	..	..
183-187	..	..	1	186	2	370	1	185	..	..	1	183
188-192	1	190	..	..	..	..	..	..	..	..	..	..
193-197	1	196	..	..	..	..	..	..	..	..	..	..
213-217	..	..	..	..	..	..	..	..	1	214	..	..
223-227	..	..	..	..	..	..	..	..	..	..	1	223
Total	52	7811	49	7352	17	2680	12	1858	6	1064	3	534

AGE GROUP 63-65

Weight	4 Feet 8 Inches		4 Feet 9 Inches		4 Feet 10 Inches		4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
103-107	..	..	..	..	..	..	..	..	1	107	1	107	..	..	..	..
108-112	..	..	1	110	..	..	..	..	3	330	..	..	1	109	1	110
113-117	..	..	..	..	1	115	..	..	1	115	..	..	..	..	1	115
118-122	..	..	..	..	..	..	..	..	3	360	2	242	4	482	2	242
123-127	..	..	..	..	..	..	..	..	3	377	2	250	5	622	3	373
128-132	..	..	..	..	1	130	..	..	6	782	3	386	4	518	3	390
133-137	..	..	..	..	..	..	1	135	3	405	1	133	4	540	1	135
138-142	..	..	..	..	..	..	..	..	1	140	3	422	4	560	1	140
143-147	1	145	..	..	..	..	..	..	..	..	3	433	4	585	3	435
148-152	..	..	1	150	..	..	1	150	..	..	2	298	..	..	2	300
153-157	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	155
158-162	..	..	..	..	..	..	..	..	..	..	..	..	1	160	5	796
163-167	..	..	..	..	..	..	..	..	..	..	1	165	2	330	1	165
Total	1	145	2	260	2	245	2	285	21	2616	18	2436	29	3906	24	3356

TABLE X (Concluded)
BUILD—WOMEN
AGE GROUP 63-65—(Concluded)

Weight	5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches		5 Feet 7 Inches		5 Feet 8 Inches		5 Feet 9 Inches		5 Feet 11 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
113-117	..	..	..	..	1	116	..	..	..	..	..	..	..	..
118-122	2	240	2	242	..	..	..	..	..	..	..	..	..	..
123-127	1	125	1	125	2	250	..	..	..	..	..	..	..	..
128-132	5	652	2	261	..	..	1	130	..	..	..	..	..	..
133-137	4	540	1	134	3	405	1	135	1	135	..	..	..	..
138-142	7	982	4	562	2	277	..	..	2	280	..	..	..	..
143-147	4	577	1	145	2	288	..	..	..	..	..	..	..	..
148-152	4	600	3	452	2	301	..	..	..	..	..	..	..	..
153-157	8	1232	1	155	..	..	..	..	1	155	..	..	..	..
158-162	..	..	3	480	2	320	2	320	1	160	..	..	..	..
163-167	1	165	4	661	4	660	..	..	..	1	163	..	..	..
168-172	2	339	..	..	2	338	..	..	1	170	..	..	..	..
173-177	..	..	2	350	1	176	1	175	..	..	..	..	..	..
178-182	..	..	..	..	..	..	2	362	1	180	..	..	..	..
193-197	..	..	..	..	..	..	1	194	..	..	..	..	..	..
198-202	..	..	..	..	..	..	1	200	..	..	..	1	201	..
Total	38	5452	24	3567	21	3131	9	1516	7	1080	1	163	1	201

AGE GROUP 66-68

Weight	4 Feet 11 Inches		5 Feet		5 Feet 1 Inch		5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 6 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
108-112	..	..	1	110	..	..	1	110	..	..	..	..	..	..	..	..
118-122	..	..	2	240	1	121	2	240	..	..	1	122	..	..	1	121
123-127	..	..	1	125	..	..	1	124	..	..	1	125	1	127	3	376
128-132	..	..	..	..	..	..	..	..	2	256	1	132	..	..	..	..
133-137	..	..	..	..	2	270	1	135	..	..	..	..	2	270	1	135
138-142	..	..	..	..	1	140	1	140	..	..	..	..	2	280	..	..
143-147	..	..	2	288	1	147	1	147	1	145	..	..	..	..	..	..
148-152	1	148	..	..	1	150	..	..	3	449	..	..	..	..	..	..
153-157	..	..	..	..	1	155	..	..	..	..	1	155	..	..	..	..
158-162	..	..	..	..	..	..	2	320	1	160	1	160	..	..	..	..
178-182	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	182
Total	1	148	6	763	7	983	9	1216	7	1010	5	694	5	677	6	814

AGE GROUP 66-68 (Concluded)

Weight	5 Feet 7 Inches	
	Num-ber	Aggregate Weight
138-142	1	140
148-152	1	154
Total	2	294

AGE GROUP 69-70

Weight	5 Feet 2 Inches		5 Feet 3 Inches		5 Feet 4 Inches		5 Feet 5 Inches		5 Feet 8 Inches	
	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight	Num-ber	Aggregate Weight
113-117	1	114	..	..	..	..	..	..	..	..
123-127	3	375	..	..	2	250	..	..	..	..
128-132	..	..	1	131	..	..	..	..	..	..
133-137	..	..	..	..	1	135	1	136	..	..
143-147	1	145	..	..	..	..	..	..	..	..
148-152	1	150	..	..	..	..	..	..	..	..
153-157	..	..	..	..	1	155	..	..	..	..
168-172	..	..	..	..	..	..	..	1	170	..
Total	6	784	1	131	4	540	1	136	1	170

AGE GROUP 73-74

Weight	5 Feet	
	Num-ber	Aggregate Weight
113-117	1	113
Total	1	113

MORTALITY RATES FOR OBTAINING A STANDARD OF EXPECTED DEATHS

The Committee of the Specialized Mortality Investigation, after examining all published data of companies in the United States and Canada, arrived at the conclusion that after the fifth policy year Farr's Healthy English Table was, on the whole, fairly representative of their experience, except at the young and old ages, for which suitable modifications were accordingly made. This modified table was believed to be "in close substantial agreement with good American experience upon insured lives after five years." In order to make provision for the effect of medical selection, a series of percentages of the standard table was used as expressing approximately the normal death rate during the first five years of insurance. As these percentages are of interest in the present investigation, they are now given:

Ages at Issue	Year 1	Year 2	Year 3	Year 4	Year 5
15-28	45	64	79	90	97
29-42	50	68	82	92	98
43-56	55	72	85	94	99
57-70	60	76	88	96	100

While the number of actual deaths in the combined ninety-eight classes in the Specialized Experience was approximately one hundred per cent of the number expected according to the above standard, it was felt by the present Committee that no satisfactory deduction could be drawn therefrom, because the majority of the classes in the "Specialized" were on risks assumed to have a higher mortality than the average. As the Committee had the means of testing the select table used in the Specialized Investigation (1875-1900) and of examining the extent of its agreement with the average experience of companies in the United States and Canada during the period 1885-1909, it was decided to make a series of experiments with the data furnished for the policies on which the table of heights and weights was based. Before commencing that work, the Committee first made experiments to determine whether groupings of ages could safely be used.

GROUPINGS OF AGES

The labor of calculating the expected deaths at each age for the numerous classes and the subdivisions of classes to be investigated would be very great, and the expense of printing the results, if tabulated for each age, would be considerable. With the object of avoiding this labor and expense, the Committee made a series of tests from data kindly furnished by the Mutual Life and the New York Life Insurance Companies. The former supplied the Committee with the number of policies issued at each age during the combined years 1901, 1902 and 1903, covering over 200,000 cases, while the latter gave the average age at issue for the years 1908 and 1909, covering about 92,000 policies, with the following results:

AVERAGE AGE OF EACH AGE GROUP

Ages at Issue	Mutual Life	New York Life
15-19	17.84	17.68
20-24	22.21	22.17
25-29	26.98	26.99
30-34	31.89	31.91
35-39	36.80	36.83
40-44	41.81	41.79
45-49	46.73	46.82
50-54	51.76	51.64
55-59	56.61	56.55
60-64	61.47	61.44

The foregoing figures practically agree in the average age for each quinquennial age group in the two companies, and it was assumed that these results represent the experience of the companies as a whole.

The next step was to determine whether the combined movement of death and withdrawal had any effect upon the distribution by age, or whether the average age at entry in each group, plus the duration, represented the average age of the group after the policies were 10, 15 or 20 years in force. To determine this, three age groups were selected from the New York Life's experience on the issues of 1899 which were in force at the end of ten years, with the following results:

ISSUES OF 1899			
Ages at Issue	Average Age at Issue	Average Age at End of 10 Years	Difference
25-29	27.1	37.1	10.0
35-39	36.9	46.9	10.0
50-54	51.7	61.8	10.1

A similar test was made of the issues of the years 1894 and 1895, the average age being obtained at date of issue of the policies and also at the end of 15 years, with the following results:

ISSUES OF 1894				ISSUES OF 1895			
Ages at Issue	Average Age at Issue	Average Age at End of 15 Years	Difference	Ages at Issue	Average Age at Issue	Average Age at End of 15 Years	Difference
25-29	27.2	42.1	14.9	25-29	27.3	42.2	14.9
35-39	36.9	52.0	15.1	35-39	37.0	51.7	14.7
50-54	51.8	66.7	14.9	50-54	51.9	66.8	14.9

Through the courtesy of the Mutual Benefit, the average age of those who took Ordinary Life policies in 1885 has been obtained, and also the average age of those whose policies were in force in 1910, by quinquennial age groups. The data below age 20 and above age 54 have been omitted because there were only five policies in force at the end of 1910—not enough to give an average:

ISSUES OF 1885			
Ages at Issue	Average Age at Issue	Average Age at End of 25 Years	Difference
20-24	23.1	48.4	25.3
25-29	27.2	52.0	24.8
30-34	32.1	57.2	25.1
35-39	37.0	62.0	25.0
40-44	41.8	66.8	25.0
45-49	47.0	71.8	24.8
50-54	51.9	76.8	24.9

While the foregoing indicates that in large companies the average age at entry, plus the duration, may be taken as the attained age of the group for at least a period of 10 or 15 years, or possibly 25 years, the Committee recognizes that in the case of small companies and in small groups in large companies the variations may be more marked. Some members of the Committee have adopted, in mortality investigations for their own companies, quinquennial groupings of ages, but invariably investigate the mortality both by policies and by amounts insured.

As there is no reason to believe that the approximation involved in grouping ages quinquennially to obtain the expected deaths would cause material errors, it was decided to adopt groupings of ages; but to reduce the chance of error to a minimum, the age groups were made smaller above age 50, the arrangement being:

15-19	30-34	45-49	57-59	66-68
20-24	35-39	50-53	60-62	69-70
25-29	40-44	54-56	63-65	

As a company, in using the results of the present investigation to guide it in the selection of risks, would make allowance for the fact that the percentages of actual to expected deaths are subject to accidental deviations, and as such accidental deviations are far in excess of any that could possibly result from the use of grouped ages, these latter deviations are of no practical importance.

DATA USED IN OBTAINING STANDARD RATES OF MORTALITY

As the companies had supplied for the investigation into height and weight their statistics on the issues of January of the odd years and July of the even years, 1885 to 1900 inclusive, observed to the policy anniversaries in 1909, such data were also available for the preparation of rates of mortality to be used in obtaining a standard for the calculation of the expected deaths in the various classes. The data included every policy issued in these months at the regular rate of premium and without any modification on account of extra risk, i.e., standard or normal lives only were included.

The Exposed to Risk under each of the age groups were calculated, and expected deaths were obtained by applying the rates of mortality of the Specialized Select Table. The following is a brief summary of the result, the details appearing in Table XI:

TEST BY "SPECIALIZED SELECT" TABLE

Policy Years	Actual Deaths	Expected Deaths	Ratio of Actual to Expected Deaths	Ages at Entry	Actual Deaths	Expected Deaths	Ratio of Actual to Expected Deaths
1	1126	1044	108%	15-24	1559	2161	72%
2	1067	1093	98	25-29	2122	3224	66
3	1056	1248	85	30-39	4792	6506	74
4	1008	1317	77	40-49	3798	4229	90
5	1001	1366	73	50-59	2368	2228	106
				60-End	541	499	108
1-5	5258	6068	87	Total	15180	18847	81%
6-10	4856	6643	73				
11-15	3341	4126	81				
16-24	1725	2010	86				
Total	15180	18847	81%				

It was evident from the above figures that if the underlying statistics were correct, the experience of the companies in the United States and Canada by policies was not accurately represented by the Specialized Select Table. Two other tests were made: (a) by the British Offices Male Life Table (Select) known as the $O^{(M)}$, (b) by the select table of the New York Life Insurance Company known as the Compound Progressive. The expected deaths using the former were 18,930, and the actual 15,180—a ratio of actual to expected of 80%, while the expected deaths using the latter were 17,424, and the actual 15,180—a ratio of actual to expected deaths of 87%. The $O^{(M)}$ table is based on lives and the Compound Progressive on amounts insured, the experience of the New York Life by policies being more favorable than by amounts, as is the experience of practically all American companies.

As the mortality under the January and July cases was so much lower than the standard adopted by the Committee of the Specialized Investigation as representing the experience of companies in the United States and Canada, it was deemed advisable to thoroughly analyze the underlying data. Each company, therefore, was requested to make a special investigation as to whether or not any of its death losses had been omitted, and a table was also prepared by the Central Bureau showing the proportion of deaths to total entrants in each company. Neither of these tests resulted in the discovery of any errors. The next step in determining

the reliability of the data was to select two companies, the mortality experience in one of which was known to be below, and in the other above the average of the companies. The experience of the former company was 74% of the expectation according to the Specialized Select Table, and of the latter company 83%, although, after the first five insurance years, the experience of the two companies was practically the same. The Committee, however, desired further confirmation, and accordingly asked several companies to furnish additional data, which were freely given, although involving considerable labor. The Phoenix Mutual supplied their exposed to risk and deaths for each year of issue 1885 to 1900 inclusive, while the Mutual Life, Prudential, Mutual Benefit, and New York Life gave their statistics on the issues of June of the odd years and December of the even years 1885 to 1900 inclusive. This gave the Committee 175,998 additional cases, with deaths numbering 10,799, and in these the incidence of mortality and the ratio of actual to expected deaths were practically the same as for the issues of January of the odd years and July of the even years 1885 to 1900.

The foregoing tests having confirmed the accuracy of the underlying statistics, it was decided to prepare graded rates of mortality, making allowance for selection, based on the issues of January of the odd years and July of the even years 1885 to 1900. These rates of mortality, however, differed so much from what the Committee expected that it was deemed necessary to ask the companies to furnish additional information. It may be stated in brief that the rates of mortality were very low at the early ages of entry, the ultimate mortality for the eleventh and succeeding policy years being less than 60% of the American for attained ages below 40. Furthermore, after the first policy year, there was no marked variation in the mortality by policy years for entrants under age 50, the rates of mortality for the eleventh and succeeding policy years combined being practically the same as for the second to the tenth policy years combined—for the same attained age. A series of investigations made by the Committee, covering a large amount of statistics freely furnished by various representative companies, convinced the members that there had been, in general, an improvement in mortality in recent years, the improvement, however, not being uniform at all ages. There are apparently two independent forces at work, both tending to improve the mortality:

First—Better sanitary conditions and advancing medical knowledge, resulting in continued improvement in the general health of the community;

Second—More intelligent methods of medical selection.

The effects of these forces are intermingled, and it is difficult to determine the degree in which each affects the mortality. Other factors undoubtedly influence the mortality, but these two are probably the principal. The evidence of improvement in the mortality by policies justified the Committee in asking the companies to furnish their data on the issues of January of the odd years and July of the even years 1901 to 1908 inclusive, carried to the policy anniversaries in 1909. While this delayed publication of the results of the investigation, it appealed alike to actuaries and medical directors, as it would provide a table of standard rates of mortality covering the same range of experience as the various classes of occupation, medical impairment, etc. to be investigated. It also gave an opportunity for determining the approximate extent to which there had been an improvement in the mortality among insured lives.

GRADED RATES OF MORTALITY FOR STANDARD TABLE

The basis of the graded rates of mortality for the standard table was thus the issues of January of the odd years and July of the even years 1885 to 1908 inclusive, carried to the policy anniversaries in 1909 for all the companies with the exception of two—the Phoenix Mutual giving its entire data on standard lives for the years 1901 to 1908 inclusive, and the New York Life furnishing its experience for the issues of 1885 to 1900 inclusive only, for reasons which were satisfactory to the Committee.

Dividing the issues into three periods of eight years each, the following shows the extent of the statistics:

Years of Issue	Number of Entrants	Total Exposures	Deaths
1885-1892	80,976	781,852	7,180
1893-1900	148,995	1,106,216	8,000
1901-1908	270,404	926,108	5,042

Crude rates of mortality were obtained for the entrants in each of the age groups according to policy years, all years of issue being combined. These crude rates were graded either by inspection or by a graphic process. Tests were then made to determine whether or not these sets of mortality rates gave expected deaths which agreed closely with the actual deaths, adjustments being made whenever needed. A series of tests showed that the rates of mortality based on the data for the eleventh and succeeding policy years differed very slightly from the corresponding rates of mortality based on the statistics for the sixth to the tenth policy years. Ultimate rates of mortality were therefore prepared for the sixth and succeeding policy years. These rates were comparatively close at the older ages to the corresponding rates of the British Offices Table after the tenth policy year, and accordingly that table was adopted for attained ages 70 and above.

Applying these ultimate rates of mortality to the data for the fifth policy year, it was found that the expected deaths were 100.3% of the actual deaths, and it was therefore decided to include the data for the fifth policy year in the basis for the ultimate rates. So far as concerns the third and fourth policy years, there was a slightly lower mortality on the average than appeared in the ultimate table, and the necessary modifications were made. There were only two years which showed a distinctly lower mortality than the ultimate—namely, the first and second. It should not be inferred that the effect of medical selection disappeared in four years. The low mortality of subsequent years seems rather to indicate that the effect of selection continued for a much longer period, but, owing to the probably considerable improvement in the health of the community in general, the effect of selection can not be clearly traced in this table.

In the following table are given the graded mortality rates, and in Table XII appear in detail the Exposed to Risk and the Actual and Expected Deaths, and in Table XIII the usual tests of the graduation.

The Committee suggests that the graded rates of mortality be designated as the M. A. table. Thus, applying the usual symbols for select and ultimate values,

- M.A. $q_{[x]}$ = rate of mortality for first insurance year on a policy issued on a select life at age x
- M.A. $q_{[x]+1}$ = rate of mortality for second insurance year on a policy issued on a select life at age x
- M.A. q_{x+n} = ultimate rate of mortality at age $x+n$, x being age at issue and n being not less than 4.

MORTALITY RATES PER 1,000

GRADED RATES OF MORTALITY BASED ON THE EXPERIENCE BY POLICIES OF THE ISSUES
OF JANUARY IN ODD YEARS AND JULY IN EVEN YEARS 1885 TO 1908 INCLUSIVE
CARRIED TO THE POLICY ANNIVERSARIES IN 1909

Age at Entry	POLICY YEAR					Attained Age
	1	2	3	4	5 and Later	
18	3.1	4.3	4.5	4.6	4.6	22
19	..	..	..	..	4.7	23
20	..	..	..	..	4.7	24
21	..	..	..	..	4.7	25
22	3.3	4.5	4.6	4.7	4.8	26
23	..	..	..	..	4.8	27
24	..	..	..	..	4.8	28
25	..	..	..	..	4.9	29
26	..	..	..	..	4.9	30
27	3.5	4.6	4.7	4.8	4.9	31
28	..	..	..	..	4.9	32
29	..	..	..	..	5.0	33
30	..	..	..	..	5.0	34
31	..	..	..	..	5.1	35
32	3.7	4.8	4.9	5.0	5.2	36
33	..	..	..	..	5.3	37
34	..	..	..	..	5.4	38
35	..	..	..	..	5.5	39
36	..	..	..	..	5.7	40
37	4.1	5.2	5.4	5.7	5.9	41
38	..	..	..	..	6.2	42
39	..	..	..	..	6.6	43
40	..	..	..	..	7.0	44
41	..	..	..	..	7.5	45
42	4.7	6.4	6.9	7.5	8.0	46
43	..	..	..	..	8.5	47
44	..	..	..	..	9.1	48
45	..	..	..	..	9.8	49
46	..	..	..	..	10.6	50
47	6.5	8.9	9.7	10.6	11.5	51
48	..	..	..	..	12.5	52
49	..	..	..	..	13.5	53
50	..	..	..	..	14.6	54
51	8.9	12.2	13.4	14.6	15.8	55
52	..	..	..	..	17.1	56
53	..	..	..	..	18.5	57
54	..	..	..	..	20.1	58
55	12.2	15.8	18.3	20.1	21.9	59
56	..	..	..	..	24.0	60
57	..	..	..	..	26.4	61
58	16.0	20.4	24.0	26.4	29.1	62
59	..	..	..	..	32.1	63
60	..	..	..	..	35.4	64
61	20.5	27.5	32.1	35.4	39.0	65
62	..	..	..	..	42.9	66
63	..	..	..	..	47.1	67
64	26.0	36.0	42.9	47.1	51.6	68

MORTALITY RATES PER 1,000 (Continued)

Age at Entry	POLICY YEAR					Attained Age
	1	2	3	4	5 and Later	
65	..	..	..	..	56.6	69
66	..	..	..	..	61.7	70
67	30.0	47.0	56.6	61.7	66.8	71
68	..	..	..	..	72.3	72
69	..	..	..	..	78.3	73
70	36.0	60.0	72.3	78.3	84.8	74
71	..	..	..	..	91.9	75
72	..	..	..	..	99.5	76
73	..	..	..	..	107.9	77
74	..	..	..	..	116.9	78
75	..	..	..	..	126.6	79
76	..	..	..	..	137.2	80
77	..	..	..	..	148.6	81
78	..	..	..	..	160.9	82
79	..	..	..	..	174.1	83
80	..	..	..	..	188.4	84
81	..	..	..	..	203.7	85
82	..	..	..	..	220.1	86
83	..	..	..	..	237.7	87
84	..	..	..	..	256.5	88

Graded Rates of Mortality for Groups of Ages at Entry.

Policy Year	Ages at Entry 20-24	Ages at Entry 45-49	Ages at Entry 50-53	Ages at Entry 69-70
1	3.3	6.4	9.1	35.0
2	4.5	8.8	12.5	57.8
3	4.6	9.5	13.8	69.7
4	4.7	10.4	15.0	75.5
5	4.8	11.3	16.3	81.8
6	4.8	12.2	17.5	88.4
7	4.9	13.2	19.0	95.7
8	4.9	14.3	20.6	103.7
9	4.9	15.4	22.5	112.4
10	4.9	16.7	24.7	121.8
11	5.0	18.1	27.2	131.9
12	5.0	19.6	30.0	142.9
13	5.1	21.4	33.1	154.8
14	5.2	23.4	36.5	167.5
15	5.3	25.7	40.2	181.3
16	5.4	28.3	44.2	
17	5.5	31.2	48.5	
18	5.6	34.4	53.1	
19	5.8	37.9	58.1	
20	6.1	41.7	63.2	
21	6.4	45.8	68.5	
22	6.8	50.3	74.1	
23	7.3	55.1	80.3	
24	7.8	60.2	86.9	
25	8.3	65.3	94.2	

For the other age groups the graded rates of mortality are those corresponding to ages at entry as shown below:

Ages at Entry	Mortality Rates Corresponding to Age at Entry	Ages at Entry	Mortality Rates Corresponding to Age at Entry
15-19	18	54-56	55
25-29	27	57-59	58
30-34	32	60-62	61
35-39	37	63-65	64
40-45	42	66-68	67

The following synopsis by policy years and by ages at issue is given, so that the extent of the variation of the actual experience from expected deaths may be seen at a glance:

ISSUES OF JANUARY OF THE ODD YEARS AND JULY OF THE EVEN YEARS 1885 TO 1908 INCLUSIVE. EXPECTED DEATHS CALCULATED BY GRADED RATES OF MORTALITY

Policy Years	Actual Deaths	Expected Deaths	Ratio of Actual to Expected Deaths	Ages at Entry	Actual Deaths	Expected Deaths	Ratio of Actual to Expected Deaths
1	2200	2201.4	100%	15-24	2366	2281.0	104%
2	2084	2091.5	100	25-29	2852	2948.9	97
3	1933	1933.3	100	30-39	6222	6182.5	101
4	1769	1752.8	101	40-49	4900	4868.7	101
5	1557	1562.0	100	50-59	3136	3131.5	100
				60-End	746	790.3	94
1-5	9543	9541.0	100	Total	20222	20202.9	100%
6-10	5613	5666.4	99				
11-15	3341	3247.1	103				
16-24	1725	1748.4	99				
Total	20222	20202.9	100%				

It is apparent from the foregoing ratios that the graded rates of mortality represent approximately the experience of the companies for the years 1885 to 1909 inclusive, and may therefore be used with confidence as the standard for the calculation of the expected deaths in the various classes to be studied.

Owing to the evidence of a general improvement in mortality, the Committee considered the advisability of preparing three graded rates of mortality applicable to the issues of three eight-year periods, 1885-1892, 1893-1900 and 1901-1908, and of applying these rates of mortality to the exposed to risk in the several classes similarly subdivided. This would increase three-fold the work of sorting, of tabulating and of preparing the expected deaths, and would doubtless have slight effect on the results of any class. The probable extent of the error introduced by preparing a single set of mortality rates for all years of issue may be illustrated in the following manner:

The mortality for the years of issue 1885 to 1900 was 103% of the expectation according to the graded table, and for the years of issue 1901 to 1908, it was 93% of the same. If the distribution of the policies in a class of occupation or of medical impairment were the same by years of issue as in the issues of January of the odd years and July of the even years, the single set of ratios would be as satisfactory as three sets of ratios. If, however, in a given class the total exposures on entrants of 1885-1900 were of the same extent as the exposures on entrants of 1901-1908, whereas in the January and July cases (on which the standard is based) the exposures in the former group are twice as many as in the latter, the error on account of the use of a single set of mortality rates would be only 2% of the expected deaths. This would not vitiate the results of any particular group, especially as those who are dealing in practice with the deductions to be drawn therefrom would make some allowance for variation due to accidental causes or paucity of data.

IMPROVEMENT IN MORTALITY

By dividing the issues of January of the odd years and July of the even years 1885 to 1908 into three groups by calendar years of issue, an opportunity is given to determine whether there has been an improvement in mortality, and whether the change has been uniform at all ages. The following table has accordingly been prepared, comparing the actual with the expected deaths, calculated by the graded rates of mortality, for the issues of the three periods 1885 to 1892, 1893 to 1900 and 1901 to 1908:

COMPARISON OF ACTUAL WITH EXPECTED DEATHS

ISSUES ON STANDARD LIVES OF JANUARY OF THE ODD YEARS AND JULY OF THE EVEN YEARS 1885 TO 1908 INCLUSIVE CARRIED TO POLICY ANNIVERSARIES IN 1909

BY POLICY YEARS

ISSUES OF 1885-1892			
Policy Years	Actual Deaths	Expected Deaths	Ratio
1	408	361.77	113%
2-5	1543	1396.97	110
6-10	1707	1641.47	104
11-15	1867	1772.78	105
16-24	1655	1677.04	99
Total	7180	6850.03	105%

ISSUES OF 1893-1900			
Policy Years	Actual Deaths	Expected Deaths	Ratio
1	718	655.08	110%
2-5	2589	2545.18	102
6-10	3149	3165.45	99
11-15	1474	1474.36	100
16	70	71.38	98
Total	8000	7911.45	101%

ISSUES OF 1901-1908			
Policy Years	Actual Deaths	Expected Deaths	Ratio
1	1074	1184.49	91%
2-5	3211	3397.91	94
6-8	757	859.51	88
Total	5042	5441.91	93%

BY AGES AT ISSUE

ISSUES OF 1885-1892			
Ages at Issue	Actual Deaths	Expected Deaths	Ratio
15-29	1555	1454.94	107%
30-39	2334	2189.34	107
40-49	1911	1835.00	104
50-59	1144	1111.26	103
60 and over	236	259.49	91
Total	7180	6850.03	105%

ISSUES OF 1893-1900			
Ages at Issue	Actual Deaths	Expected Deaths	Ratio
15-29	2126	2082.67	102%
30-39	2458	2410.08	102
40-49	1887	1884.22	100
50-59	1224	1222.98	100
60 and over	305	311.50	98
Total	8000	7911.45	101%

BY AGES AT ISSUE (*Continued*)

ISSUES OF 1901-1908

Ages at Issue	Actual Deaths	Expected Deaths	Ratio
15-29	1537	1692.45	91%
30-39	1430	1583.12	90
40-49	1102	1149.51	96
50-59	768	797.26	96
60 and over	205	219.57	93
Total	5042	5441.91	93%

From the foregoing table the following inferences may be drawn:

1. That there has been a distinct improvement in the mortality in recent years.
2. That the mortality has improved most at the youngest ages of entry and has shown no distinct improvement at the oldest ages of entry.

In applying these inferences it must be kept in view that they refer to the mortality by policies, the mortality by amounts insured not having been investigated. There may not be as marked an improvement in mortality by amounts as by policies, and the effect of medical selection may not have followed the same lines.

WARNING

The Committee desires to warn against using these rates of mortality for any other purpose than that for which they were prepared. As they are based upon the experience on *policies*, they should not be applied to determine the expected death losses by amounts insured, the general experience being that the mortality by amounts insured is larger than by policies—it is also probable that the incidence of mortality by amounts insured is different from that by policies. It would be a great mistake to use the foregoing tables for calculating rates of premiums, reserves, or, in fact, for any monetary purpose. All that the Committee has striven to obtain at the present time is a set of mortality ratios which approximately represent the average experience by policies of companies in the United States and Canada with sufficient accuracy to be used as a standard for testing the degree to which the mortality of the various classes differs from the average combined experience of the companies on policies.

TABLE XI
Policies Issued in the United States and Canada on Standard Male and Female Lives
 JANUARY IN ODD YEARS, JULY IN EVEN YEARS, 1885 TO 1900, INCLUSIVE
 DATA CARRIED TO ANNIVERSARIES OF POLICIES IN 1909
 EXPECTED DEATHS CALCULATED BY SPECIALIZED SELECT TABLE

Ages at Entry 15-19				20-24			25-29			30-34			
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Insur- ance Years
1	5365	21	17.2	35273	124	116.4	51397	227	190.2	47960	181	201.4	1
2	3932	16	18.1	24897	139	119.5	37864	182	196.9	36203	174	210.0	2
3	3628	18	20.7	22760	140	138.8	34810	170	226.3	33496	170	234.5	3
4	3325	15	21.6	20675	115	144.7	31891	147	236.0	30898	187	247.2	4
5	3124	16	22.2	19516	99	150.3	30162	170	244.3	29256	161	251.6	5
6	2952	15	22.1	18567	99	148.5	28698	128	241.1	27894	167	248.3	6
7	2799	15	21.3	17831	78	144.4	27660	135	235.1	26874	140	244.6	7
8	2681	12	20.6	17267	77	141.6	26829	143	230.7	26079	169	239.9	8
9	2601	13	20.3	16822	80	139.6	26171	114	227.7	25403	140	238.8	9
10	2175	15	17.2	14788	71	122.7	23325	122	205.3	22695	151	217.9	10
11	1662	11	13.3	11821	62	99.3	18961	104	168.8	18512	140	183.3	11
12	1444	11	11.7	10209	51	86.8	16581	76	150.9	16264	106	165.9	12
13	1202	9	9.9	8624	46	74.2	14307	71	133.1	14137	89	148.4	13
14	973	1	8.1	7279	41	63.3	12239	57	116.3	12217	89	131.9	14
15	807	4	6.7	6019	28	53.6	10364	72	100.5	10435	84	116.9	15
16	575	1	4.8	4671	32	42.0	8260	48	81.8	8195	64	95.1	16
17	420	5	3.6	3666	20	33.7	6691	47	68.3	6575	65	78.9	17
18	301	2	2.6	2845	23	26.5	5391	33	56.6	5228	51	65.4	18
19	221	3	1.9	2103	9	20.2	4191	31	45.7	4073	41	53.4	19
20	161	1	1.4	1562	14	15.3	3109	20	35.1	3008	38	41.5	20
21	58		.5	581	4	5.9	1269	12	14.9	1203	14	17.6	21
22	32		.3	369	2	3.8	808	5	9.8	787	18	12.1	22
23	23		.2	250	1	2.7	510	7	6.5	462	11	7.6	23
24	13		.1	103		1.1	215	1	2.9	191	2	3.3	24

Ages at Entry 35-39				40-44			45-49			50-53			
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Insur- ance Years
1	37552	172	169.0	24873	115	126.9	14344	111	90.4	6671	63	51.4	1
2	28673	158	174.9	19046	132	133.3	11039	90	94.9	5225	66	55.4	2
3	26556	135	199.2	17690	128	152.1	10246	121	108.6	4806	68	63.9	3
4	24414	146	210.0	16233	135	160.7	9406	92	114.8	4390	70	68.9	4
5	23061	141	216.8	15340	124	167.2	8888	114	120.0	4127	65	72.6	5
6	21954	160	215.2	14568	131	167.5	8414	107	121.2	3927	73	74.6	6
7	21112	134	213.2	13981	123	166.4	8042	111	122.2	3739	88	75.9	7
8	20459	147	212.8	13516	133	167.6	7733	108	125.3	3576	76	77.6	8
9	19895	155	214.9	13122	146	170.6	7489	115	128.8	3433	82	80.0	9
10	17714	131	196.6	11565	121	158.4	6592	109	121.3	2968	87	74.5	10
11	14437	136	167.5	9243	118	133.1	5185	107	101.6	2257	57	61.2	11
12	12588	119	151.1	7978	117	122.1	4426	102	93.0	1909	66	56.1	12
13	10832	114	135.4	6912	98	112.0	3792	69	85.3	1577	56	50.5	13
14	9194	100	120.4	5872	90	101.6	3173	69	76.8	1316	51	45.8	14
15	7695	90	105.4	4983	94	91.7	2678	77	69.9	1091	56	41.4	15
16	5793	73	84.0	3690	60	72.7	1780	45	50.4	701	29	28.9	16
17	4673	61	71.5	2994	52	63.2	1415	51	43.6	537	21	24.0	17
18	3712	54	60.5	2362	48	53.4	1080	36	36.1	419	24	20.3	18
19	2917	35	50.8	1886	37	45.8	825	29	30.0	339	17	17.8	19
20	2179	31	40.3	1392	33	36.5	602	27	23.8	241	9	13.7	20
21	890	19	17.6	621	21	17.6	293	11	12.5	147	7	9.1	21
22	562	14	11.9	376	10	11.6	184	10	8.6	102	5	6.9	22
23	341	13	7.7	213	7	7.2	104	7	5.2	66	5	4.8	23
24	137	2	3.3	77	5	2.8	44	2	2.4	23	4	1.8	24

TABLE XI (Concluded)

Policies Issued in the United States and Canada on Standard Male and Female Lives

JANUARY IN ODD YEARS, JULY IN EVEN YEARS, 1885 TO 1900, INCLUSIVE
DATA CARRIED TO ANNIVERSARIES OF POLICIES IN 1909

EXPECTED DEATHS CALCULATED BY SPECIALIZED SELECT TABLE

Ages at Entry 54-56				57-59			60-62			63 and over			Insurance Years
Insurance Years	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	
1	3161	40	30.0	1878	37	23.9	945	19	14.6	552	16	12.1	1
2	2561	34	34.1	1489	38	25.6	791	22	16.8	448	16	13.6	2
3	2388	37	39.9	1388	27	29.6	716	26	19.1	409	16	15.5	3
4	2200	32	43.6	1282	31	32.2	656	25	20.8	370	13	16.7	4
5	2090	38	46.8	1222	39	34.7	613	20	22.1	344	14	17.4	5
6	1989	41	48.1	1140	32	35.2	565	24	22.1	320	17	17.6	6
7	1893	46	49.4	1082	32	36.4	527	20	22.4	296	15	17.6	7
8	1806	59	51.1	1019	35	37.3	495	20	22.9	275	18	17.7	8
9	1715	53	53.0	959	42	38.1	464	25	23.3	251	18	17.5	9
10	1460	44	49.1	820	52	35.3	381	23	20.8	204	19	15.3	10
11	1109	44	40.5	587	37	27.5	258	16	15.3	131	8	10.6	11
12	883	31	35.0	468	20	23.8	204	14	13.1	98	12	8.6	12
13	735	43	31.7	376	25	20.8	173	17	12.1	74	10	7.0	13
14	600	33	28.1	297	23	17.8	132	11	10.0	54	5	5.6	14
15	500	26	25.4	232	13	15.1	108	13	8.9	42	2	4.7	15
16	306	18	16.9	146	15	10.3	67	8	6.0	32	4	3.9	16
17	239	19	14.3	109	12	8.4	53	2	5.1	25	3	3.3	17
18	185	18	12.0	76	6	6.3	45	11	4.7	17	1	2.5	18
19	131	15	9.3	60	9	5.4	30	6	3.4	12	3	1.8	19
20	90	7	6.9	47	1	4.6	21	4	2.6	6	1	1.1	20
21	46	5	3.8	37	7	3.9	7	2	.9	3	1	.6	21
22	26	4	2.3	24		2.7	4		.6	1		.2	22
23	15	1	1.5	16	1	2.0	3	1	.5				23
24	5		.5	4	1	.5	1		.2				24

SYNOPSIS

Ages at Entry 15-29					30-39				40-49				
Insurance Years	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Insurance Years
1	92035	372	323.8	115	85512	353	370.4	95	39217	226	217.3	104	1
2	66693	337	334.5	101	64876	332	384.9	86	30085	222	228.2	97	2
3	61198	328	385.8	85	60052	305	433.7	70	27936	249	260.7	96	3
4	55891	277	402.3	69	55312	333	457.2	73	25639	227	275.5	82	4
5	52802	285	416.8	68	52317	302	468.4	64	24228	238	287.2	83	5
1-5	328619	1599	1863.2	86	318069	1625	2114.6	77	147105	1162	1268.9	92	1-5
6-7	98507	470	812.5	58	97834	601	921.3	65	45005	472	577.3	82	6-7
8-10	132659	647	1125.7	57	132245	893	1320.9	68	60017	732	872.0	84	8-10
11-15	122492	644	1096.5	59	126311	1067	1426.2	75	54242	941	987.1	95	11-15
16-24	48398	321	488.2	66	50926	606	722.5	84	19938	491	523.4	94	16-24
1-24	730675	3681	5386.1	68	725385	4792	6505.5	74	326307	3798	4228.7	90	1-24

Ages at Entry 50-59					60 and over				All Ages at Entry				
Insurance Years	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Insurance Years
1	11710	140	105.3	133	1497	35	26.7	131	229971	1126	1043.5	108	1
2	9275	138	115.1	120	1239	38	30.4	125	172168	1067	1093.1	98	2
3	8582	132	133.4	99	1125	42	34.6	121	158893	1056	1248.2	85	3
4	7872	133	144.7	92	1026	38	37.5	101	145740	1008	1317.2	77	4
5	7439	142	154.1	92	957	34	39.5	86	137743	1001	1366.0	73	5
1-5	44878	685	652.6	105	5844	187	168.7	111	844515	5258	6068.0	87	1-5
6-7	13770	312	319.6	98	1708	76	79.7	95	256824	1931	2710.4	71	6-7
8-10	17756	530	496.0	107	2070	123	117.5	105	344747	2925	3932.1	74	8-10
11-15	13937	581	520.7	112	1274	108	95.9	113	318256	3341	4126.3	81	11-15
16-24	4137	260	238.9	109	327	47	37.4	126	123726	1725	2010.4	86	16-24
1-24	94478	2368	2227.8	106	11223	541	499.2	108	1888068	15180	18847.2	81	1-24

TABLE XII
Policies Issued in the United States and Canada on Standard Male and Female Lives
 JANUARY IN ODD YEARS, JULY IN EVEN YEARS, 1885 TO 1908, INCLUSIVE
 DATA CARRIED TO ANNIVERSARIES OF POLICIES IN 1909
 TEST OF GRADUATION OF M. A. TABLE

Ages at Entry 15-19				20-24			25-29			30-34			
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Insur- ance Years
1	17867	55	55.39	84775	307	279.77	108200	396	378.70	100341	327	371.26	1
2	12199	53	52.46	56610	284	254.75	75661	340	348.05	72062	325	345.89	2
3	10408	52	46.83	48530	251	223.24	66159	295	310.95	63147	290	309.42	3
4	8565	34	39.39	40983	200	192.62	56949	261	273.36	54760	309	273.80	4
5	6848	25	31.50	34089	162	163.63	48408	241	237.21	46861	239	243.68	5
6	5301	28	24.91	28267	130	135.68	41306	176	202.40	40120	236	212.64	6
7	4203	20	19.76	23715	102	116.20	35491	165	177.46	34620	180	186.95	7
8	3200	14	15.04	19875	89	97.39	30327	158	151.64	29620	193	162.92	8
9	2601	13	12.48	16822	80	82.43	26171	114	133.48	25403	140	144.80	9
10	2175	15	10.44	14788	71	72.46	23325	122	121.29	22695	151	133.90	10
11	1662	11	7.98	11821	62	59.11	18961	104	100.49	18512	140	114.78	11
12	1444	11	7.07	10209	51	51.05	16581	76	89.53	16264	106	107.35	12
13	1202	9	5.89	8624	46	43.98	14307	71	78.69	14137	89	98.96	13
14	973	1	4.77	7279	41	37.85	12239	57	69.76	12217	89	91.63	14
15	807	4	3.96	6019	28	31.90	10364	72	61.15	10435	84	83.48	15
16	575	1	2.88	4671	32	25.23	8260	48	51.22	8195	64	69.66	16
17	420	5	2.10	3666	20	20.16	6691	47	44.16	6575	65	59.83	17
18	301	2	1.54	2845	23	15.93	5391	33	37.74	5228	51	51.23	18
19	221	3	1.15	2103	9	12.20	4191	31	31.43	4073	41	43.17	19
20	161	1	.85	1562	14	9.53	3109	20	24.87	3008	38	34.59	20
21	58		.31	581	4	3.72	1269	12	10.79	1203	14	15.04	21
22	32		.18	369	2	2.51	808	5	7.35	787	18	10.62	22
23	23		.13	250	1	1.83	510	7	5.00	462	11	6.75	23
24	13		.08	103		.80	215	1	2.28	191	2	3.02	24

Ages at Entry 35-39				40-44			45-49			50-53			
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Insur- ance Years
1	77614	331	318.22	52060	227	244.68	30668	201	196.27	14629	135	133.13	1
2	56539	289	294.00	37958	231	242.93	21994	207	193.55	10790	133	134.87	2
3	49681	263	268.28	33515	233	231.25	19173	204	182.15	9447	123	130.37	3
4	43077	231	245.54	29115	236	218.37	16325	186	169.78	8116	105	121.74	4
5	36669	207	216.35	24910	195	199.28	13648	184	154.23	6887	108	112.26	5
6	31172	208	193.27	21119	170	179.51	12203	146	148.88	5774	106	101.05	6
7	26954	172	177.90	18139	147	165.07	10501	134	138.62	4923	111	93.55	7
8	23105	172	161.73	15398	150	150.89	8869	126	126.82	4122	86	84.91	8
9	19895	155	149.22	13122	146	139.10	7489	115	115.34	3433	82	77.24	9
10	17714	131	141.71	11565	121	133.00	6592	109	110.09	2968	87	73.31	10
11	14437	136	122.72	9243	118	115.54	5185	107	93.85	2257	57	61.39	11
12	12588	119	114.55	7978	117	107.71	4426	102	86.74	1909	66	57.27	12
13	10832	114	106.15	6912	98	100.92	3792	69	81.15	1577	56	52.20	13
14	9194	100	97.46	5872	90	92.77	3173	69	74.25	1316	51	48.04	14
15	7695	90	88.49	4983	94	85.21	2678	77	68.82	1091	56	43.86	15
16	5793	73	72.41	3690	60	68.26	1780	45	50.37	701	29	30.99	16
17	4673	61	63.09	2994	52	60.18	1415	51	44.15	537	21	26.04	17
18	3712	54	54.20	2362	48	51.73	1080	36	37.15	419	24	22.25	18
19	2917	35	46.09	1886	37	45.26	825	29	31.27	339	17	19.70	19
20	2179	31	37.26	1392	33	36.75	602	27	25.10	241	9	15.23	20
21	890	19	16.47	621	21	18.07	293	11	13.42	147	7	10.07	21
22	562	14	11.30	376	10	12.07	184	10	9.26	102	5	7.56	22
23	341	13	7.47	213	7	7.54	104	7	5.73	66	5	5.30	23
24	137	2	3.29	77	5	3.00	44	2	2.65	23	4	2.00	24

TABLE XII (Concluded)

Policies Issued in the United States and Canada on Standard Male and Female Lives

JANUARY IN ODD YEARS, JULY IN EVEN YEARS, 1885 TO 1908, INCLUSIVE
DATA CARRIED TO ANNIVERSARIES OF POLICIES IN 1909

TEST OF GRADUATION OF M. A. TABLE

Ages at Entry 54-56				57-59			60-62			63 and over			
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Insur- ance Years
1	6934	80	84.59	4031	73	64.49	2043	35	41.88	1213	33	32.96	1
2	5234	63	82.70	3062	71	62.47	1587	55	43.65	929	33	36.30	2
3	4607	87	84.31	2697	59	64.73	1375	46	44.13	811	30	37.89	3
4	3990	77	80.20	2350	57	62.05	1162	51	41.13	684	22	34.90	4
5	3401	69	74.49	2030	64	59.07	987	37	38.49	571	26	31.82	5
6	2855	70	68.52	1695	49	54.41	793	32	34.01	468	23	28.50	6
7	2435	62	64.29	1463	41	51.79	677	24	31.89	394	18	26.12	7
8	2059	64	59.91	1206	42	47.03	561	20	28.95	317	21	22.78	8
9	1715	53	55.05	959	42	41.14	464	25	26.26	251	18	19.46	9
10	1460	44	51.69	820	52	38.62	381	23	23.51	204	19	17.02	10
11	1109	44	43.26	587	37	30.29	258	16	17.24	131	8	11.75	11
12	883	31	37.88	468	20	26.49	204	14	14.75	98	12	9.50	12
13	735	43	34.62	376	25	23.20	173	17	13.54	74	10	7.74	13
14	600	33	30.96	297	23	19.84	132	11	11.20	54	5	6.18	14
15	500	26	28.30	232	13	16.78	108	13	9.92	42	2	5.23	15
16	306	18	18.88	146	15	11.44	67	8	6.67	32	4	4.33	16
17	239	19	15.97	109	12	9.24	53	2	5.72	25	3	3.69	17
18	185	18	13.38	76	6	6.98	45	11	5.26	17	1	2.81	18
19	131	15	10.26	60	9	5.97	30	6	3.80	12	3	2.15	19
20	90	7	7.63	47	1	5.07	21	4	2.88	6	1	1.23	20
21	46	5	4.23	37	7	4.33	7	2	1.04	3	1	.67	21
22	26	4	2.59	24		3.04	4		.64	1		.26	22
23	15	1	1.62	16	1	2.20	3	1	.52				23
24	5		.58	4	1	.59	1		.19				24

SYNOPSIS

Ages at Entry 15-29					30-39				40-49				Insur- ance Years
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	
1	210842	758	713.86	106	177955	658	689.48	95	82728	428	440.95	97	1
2	144470	677	655.26	103	128601	614	639.89	96	59952	438	436.48	100	2
3	125097	598	581.02	103	112828	553	577.70	96	52688	437	413.40	106	3
4	106497	495	505.37	98	97837	540	519.34	104	45440	422	388.15	109	4
5	89345	428	432.34	99	83530	446	460.03	97	38558	379	353.51	107	5
1-5	676251	2956	2887.85	102	600751	2811	2886.44	97	279366	2104	2032.49	104	1-5
6-7	138283	621	676.41	92	132866	796	770.76	103	61962	597	632.08	94	6-7
8-10	139284	676	696.65	97	138432	942	894.28	105	63035	767	775.24	99	8-10
11-15	122492	644	653.18	99	126311	1067	1025.57	104	54242	941	906.96	104	11-15
16-24	48398	321	315.97	102	50926	606	605.49	100	19938	491	521.96	94	16-24
1-24	1124708	5218	5230.06	100	1049286	6222	6182.54	101	478543	4900	4868.73	101	1-24

Ages at Entry 50-59					60 and over				All Ages at Entry				
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Insur- ance Years
1	25594	288	282.21	102	3256	68	74.84	91	500375	2200	2201.34	100	1
2	19086	267	280.04	95	2516	88	79.95	110	354625	2084	2091.62	100	2
3	16751	269	279.41	96	2186	76	82.02	93	309550	1933	1933.55	100	3
4	14456	239	263.99	91	1846	73	76.03	96	266076	1769	1752.88	101	4
5	12318	241	245.82	98	1558	63	70.31	90	225309	1557	1562.01	100	5
1-5	88205	1304	1351.47	96	11362	368	383.15	96	1655935	9543	9541.40	100	1-5
6-7	19145	439	433.61	101	2332	97	120.52	80	354588	2550	2633.38	97	6-7
8-10	18742	552	528.90	104	2178	126	137.98	91	361671	3063	3033.05	101	8-10
11-15	13937	581	554.38	105	1274	108	107.05	101	318256	3341	3247.14	103	11-15
16-24	4137	260	263.14	99	327	47	41.86	112	123726	1725	1748.42	99	16-24
1-24	144166	3136	3131.50	100	17473	746	790.56	94	2814176	20222	20203.39	100	1-24

TABLE XIII
TEST OF GRADUATION OF M. A. TABLE
FIRST POLICY YEAR

Ages at Entry	Exposed To Risk	Graded q_x	Expected Deaths	Actual Deaths	Error	Accumulated Error
15-19	17867	3.1	55.4	55	+ .4	+ .4
20-24	84775	3.3	279.8	307	- 27.2	- 26.8
25-29	108200	3.5	378.7	396	- 17.3	- 44.1
30-34	100341	3.7	371.3	327	+ 44.3	+ .2
35-39	77614	4.1	318.2	331	- 12.8	- 12.6
40-44	52060	4.7	244.7	227	+ 17.7	+ 5.1
45-49	30668	6.4	196.3	201	- 4.7	+ .4
50-53	14629	9.1	133.1	135	- 1.9	- 1.5
54-56	6934	12.2	84.6	80	+ 4.6	+ 3.1
57-59	4031	16.0	64.5	73	- 8.5	- 5.4
60-62	2043	20.5	41.9	35	+ 6.9	+ 1.5
63-65	927	26.0	24.1	24	+ .1	+ 1.6
66-68	231	30.0	6.9	7	- .1	+ 1.5
69-70	55	35.0	1.9	2	- .1	+ 1.4
Total			2201.4	2200	+ 1.4	

SECOND POLICY YEAR

Ages at Entry	Exposed To Risk	Graded q_x	Expected Deaths	Actual Deaths	Error	Accumulated Error
15-19	12199	4.3	52.5	53	- .5	- .5
20-24	56610	4.5	254.7	284	- 29.3	- 29.8
25-29	75661	4.6	348.0	340	+ 8.0	- 21.8
30-34	72062	4.8	345.9	325	+ 20.9	- .9
35-39	56539	5.2	294.0	289	+ 5.0	+ 4.1
40-44	37958	6.4	242.9	231	+ 11.9	+ 16.0
45-49	21994	8.8	193.5	207	- 13.5	+ 2.5
50-53	10790	12.5	134.9	133	+ 1.9	+ 4.4
54-56	5234	15.8	82.7	63	+ 19.7	+ 24.1
57-59	3062	20.4	62.5	71	- 8.5	+ 15.6
60-62	1587	27.5	43.6	55	- 11.4	+ 4.2
63-65	709	36.0	25.5	26	- .5	+ 3.7
66-68	180	47.0	8.5	5	+ 3.5	+ 7.2
69-70	40	57.8	2.3	2	+ .3	+ 7.5
Total			2091.5	2084	+ 7.5	

THIRD POLICY YEAR

Ages at Entry	Exposed To Risk	Graded q_x	Expected Deaths	Actual Deaths	Error	Accumulated Error
15-19	10408	4.5	46.8	52	- 5.2	- 5.2
20-24	48530	4.6	223.2	251	- 27.8	- 33.0
25-29	66159	4.7	310.9	295	+ 15.9	- 17.1
30-34	63147	4.9	309.4	290	+ 19.4	+ 2.3
35-39	49681	5.4	268.3	263	+ 5.3	+ 7.6
40-44	33515	6.9	231.3	233	- 1.7	+ 5.9
45-49	19173	9.5	182.1	204	- 21.9	- 16.0
50-53	9447	13.8	130.4	123	+ 7.4	- 8.6
54-56	4607	18.3	84.3	87	- 2.7	- 11.3
57-59	2697	24.0	64.7	59	+ 5.7	- 5.6
60-62	1375	32.1	44.1	46	- 1.9	- 7.5
63-65	620	42.9	26.6	20	+ 6.6	- .9
66-68	156	56.6	8.8	9	- .2	- 1.1
69-70	35	69.7	2.4	1	+ 1.4	+ .3
Total			1933.3	1933	+ .3	

TABLE XIII (Concluded)
TEST OF GRADUATION OF M. A. TABLE
FOURTH POLICY YEAR

Ages at Entry	Exposed To Risk	Graded q_x	Expected Deaths	Actual Deaths	Error	Accumulated Error
15-19	8565	4.6	39.4	34	+ 5.4	+ 5.4
20-24	40983	4.7	192.6	200	- 7.4	- 2.0
25-29	56949	4.8	273.4	261	+12.4	+10.4
30-34	54760	5.0	273.8	309	-35.2	-24.8
35-39	43077	5.7	245.5	231	+14.5	-10.3
40-44	29115	7.5	218.4	236	-17.6	-27.9
45-49	16325	10.4	169.8	186	-16.2	-44.1
50-53	8116	15.0	121.7	105	+16.7	-27.4
54-56	3990	20.1	80.2	77	+ 3.2	-24.2
57-59	2350	26.4	62.0	57	+ 5.0	-19.2
60-62	1162	35.4	41.1	51	- 9.9	-29.1
63-65	527	47.1	24.8	15	+ 9.8	-19.3
66-68	128	61.7	7.9	6	+ 1.9	-17.4
69-70	29	75.5	2.2	1	+ 1.2	-16.2
Total			1752.8	1769	-16.2	

FIFTH POLICY YEAR

Ages at Entry	Exposed To Risk	Graded q_x	Expected Deaths	Actual Deaths	Error	Accumulated Error
15-19	6848	4.6	31.5	25	+ 6.5	+ 6.5
20-24	34089	4.8	163.6	162	+ 1.6	+ 8.1
25-29	48408	4.9	237.2	241	- 3.8	+ 4.3
30-34	46861	5.2	243.7	239	+ 4.7	+ 9.0
35-39	36669	5.9	216.3	207	+ 9.3	+18.3
40-44	24910	8.0	199.3	195	+ 4.3	+22.6
45-49	13648	11.3	154.2	184	-29.8	- 7.2
50-53	6887	16.3	112.3	108	+ 4.3	- 2.9
54-56	3401	21.9	74.5	69	+ 5.5	+ 2.6
57-59	2030	29.	59.1	64	- 4.9	- 2.3
60-62	987	39.0	38.5	37	+ 1.5	- .8
63-65	440	51.6	22.7	20	+ 2.7	+ 1.9
66-68	107	66.8	7.1	5	+ 2.1	+ 4.0
69-70	24	81.8	2.0	1	+ 1.0	+ 5.0
Total			1562.0	1557	+ 5.0	

SIXTH AND SUBSEQUENT POLICY YEARS

Ages at Entry	Expected Deaths	Actual Deaths	Error	Accumulated Error
15-19	121.5	138	-16.5	-16.5
20-24	820.0	805	+15.0	- 1.5
25-29	1400.7	1319	+81.7	+80.2
30-34	1631.3	1712	-80.7	- .5
35-39	1664.8	1699	-34.2	-34.7
40-44	1572.6	1524	+48.6	+13.9
45-49	1263.7	1272	- 8.3	+ 5.6
50-53	831.9	879	-47.1	-41.5
54-56	549.6	557	- 7.4	-48.9
57-59	398.4	396	+ 2.4	-46.5
60-62	238.0	229	+ 9.0	-37.5
63-65	120.0	110	+10.0	-27.5
66-68	43.7	30	+13.7	-13.8
69-70	5.7	9	- 3.3	-17.1
Total	10661.9	10679	-17.1	

APPENDIX

THE ACTUARIAL SOCIETY OF AMERICA
AND
ASSOCIATION OF LIFE INSURANCE MEDICAL DIRECTORS

New York, 2d May, 1910.

MEDICO-ACTUARIAL MORTALITY INVESTIGATION

Dear Sir:

Enclosed are the various documents in connection with the joint Investigation to be conducted by The Actuarial Society of America and The Association of Life Insurance Medical Directors upon business in the United States and Canada.

COMPANIES JOINING IN THE INVESTIGATION

As far as is known at the present time, all the companies (about 40) which are represented jointly in the two Societies will undertake the work. It is definitely known that all the large companies will take part in it.

CLASSES TO BE INVESTIGATED

The Committee has been at work for over a year in determining the classes to be investigated. They have carefully considered during that time every suggestion received from Actuaries and Medical Directors. It is not expected that the lines of the investigation will agree exactly with the ideas of any particular company, but it is believed that the classes selected for investigation are those on which the great majority of companies desire information. If all suggestions had been accepted, the investigation would have become unwieldy by reason of the large number of classes to be investigated. Ample provision has been made for the companies to record on the policy sheets or on the Hollerith cards any additional information which they may desire for their individual use. By joining in the investigation, therefore, the companies have the opportunity of contributing to the store of general knowledge, and also have an opportunity to investigate other phases of their business. The Committee is willing to complete such mortality investigations of an individual company's business, the actual cost to be paid by the company, provided the data are such as can be recorded on the Hollerith cards adopted by the Committee, and that the codes used by the company receive the approval of the Committee. These would include investigations by kind of policy, habitat, additional medical impairments and occupations, etc., either for the groups called for by the Committee or for more extensive groups.

EXPENSE OF INVESTIGATION

The companies may send their data to the Committee in the form of

- (a) Policy Sheets,
- (b) Punched cards, or
- (c) Exposed to risk and deaths.

The expenses cannot, therefore, be assessed in the same manner as in the Specialized Investigation, and the Committee has accordingly decided on the following plan:

1. If a company furnishes policy sheets, it will be charged with the actual cost of punching and sorting its cards, including share of rent, supervision and incidental expenses in connection with that work.

2. If a company furnishes Hollerith cards, it will be charged with the actual cost of sorting its cards, including the share of rent, supervision and other incidental expenses connected with that work.

3. The foregoing companies will also be charged with the cost of calculating their exposed to risk, each company being supplied with the result of the tabulation of its own business in the groups investigated by the Committee.

4. Each contributing company will be charged \$500 as its share of the expenses of the preliminary work, of combining the exposed to risk and deaths of all the contributors, of printing, rent, supervision and all other general expenses. Any excess over the aggregate sum thus accumulated will be charged among the companies in proportion to their respective business in force at the end of 1909.

TIME AT WHICH THE DATA SHOULD BE IN THE HANDS OF COMMITTEE

The Committee thinks that the period of a year is sufficient in which to prepare the data for the joint investigation. In order to give the companies a little leeway, however, we suggest that they plan to complete their work by the end of June, 1911. To facilitate the work of the Committee in perforating cards and in sorting and tabulating the material, it is very important that the companies do not delay forwarding their data until June, 1911, but that portions thereof be sent in as soon as completed.

Yours truly,

H. WILLARD, *President*,
OSCAR H. ROGERS,
EDWARD K. ROOT,
BRANDRETH SYMONDS,
HARRY TOULMIN,
E. W. DWIGHT, *Secretary*,
For the Association of Life Insurance
Medical Directors.

JOHN K. GORE, *President*,
EMORY McCLINTOCK,
T. B. MACULAY,
D. H. WELLS,
A. A. WELCH, *Vice President*,
J. M. CRAIG,
E. E. RHODES,
ROBERT HENDERSON,
ARTHUR HUNTER, *Secretary*,
For the Actuarial Society of America.

INSTRUCTIONS AND GENERAL INFORMATION

1. SCOPE OF INVESTIGATION

The joint investigation has to do with the issues of the years 1885 to 1908, both inclusive, the data to be carried to the anniversaries of the policies in 1909. It includes a study of the following:

- (a) 68 groups of occupations involving hazard.
- (b) 76 groups of medical impairments.
- (c) 4 groups of women.
- (d) 2 groups of colored risks.
- (e) 4 groups of joint life policies.
- (f) The necessary groups to provide an accurate Standard Table of Heights and Weights and to determine the influence of build on longevity.

As many companies may desire to extend the investigation of their own business, provision has been made, as will hereafter be explained, for recording many other occupations and groups of medical impairments; also for their investigating the mortality by kinds of insurance, by habitat, and by amounts insured.

2. RECORDS OF COMPANIES

The records of the companies contributing to this investigation are in one of three conditions, viz.:

- (a) The data to be used in the investigation have not been touched—all the records being on the registers, original applications and medical examination papers.
- (b) The data of some of the companies have already been transferred, either wholly or in part, to cards, the material being recorded thereon, either in longhand or in symbols.
- (c) The data of some of the companies have already been abstracted, grouped according to homogeneous classes and prepared for "exposed to risk" sheets.

3. HOW DATA MAY BE FURNISHED

Each Company has the choice of presenting to the Committee its data in one of the following forms:

- (a) On Policy Sheets, as prepared by the Committee.
- (b) On punched cards (Hollerith System).
- (c) On sheets giving the "exposed to risk" and deaths for each class and for each subdivision of the class which the Committee may desire, the blank sheets to be furnished by the Committee. Companies which elect this method of furnishing their data are urgently requested not to prepare these sheets before obtaining from the Committee full details of the sub-groups which it will require in the various classes of medical impairments.

4. MATERIALS TO BE USED

The investigation is to include all policies coming within the scope of (a) to (f) inclusive under Paragraph No. 1, excepting the following, of which no record need be made:

- (a) Policies marked off as "not taken."
- (b) Policies terminated, otherwise than by death, in the same calendar year as dated.
- (c) Policies issued in exchange without new application. Convertible Term Policies and Policies issued with a preliminary term are not to be considered as coming in this category but are to be taken for the combined duration of the original and the exchanged policy.
- (d) Policies for less than \$1,000. In determining the amount for this purpose, Instalment Policies are to be taken at the yearly annuity-certain multiplied by the number of years for which it is payable.
- (e) Policies taken outside of the United States and Canada.
- (f) Policies issued by way of reinsuring part of the risk of another company.
- (g) Policies **sub-standard** for **medical** reasons, i. e., those in which a greater premium has been charged for a given insurance, or a smaller insurance granted for the regular premium, or which have been placed in a special dividend class, because the risk has been found to be below the usual **medical** standard; **but cases sub-standard by reason of family history only, shall be included.**

Sub-standard Occupations: Policies **sub-standard** on account of **occupation**, are to be included in the investigation. Include therefore in the data to be abstracted for the purposes of this investigation, the following:

Policies on which an extra premium has been charged or the age advanced on account of occupation.

Policies which have been placed in a special dividend class on account of occupation.

Policies which have been limited to the higher-priced plans on account of occupation.

Policies on which a smaller insurance has been granted for a given premium on account of occupation.

5. AGE

The age at issue shall be counted from the nearest birthday. Those companies that have made use of the **next** birthday should be especially careful as to this rule. A rated-up age shall be disregarded and the true age used.

6. DURATION

The duration of the insurance is the difference in **years** between the year of issue and the year of termination, excepting where the termination is by death. In the latter case, if death has occurred **before** the anniversary of the policy, in the calendar year of death, the difference between the year of issue and the year of death is to be recorded as the duration; if death has occurred **after** the anniversary of the policy, this duration must be increased by one year. For example,—Policy Date, July 1, 1885; Date of Death, August 15, 1895. Duration,—not ten years but **eleven years**.

In determining the duration of policies which have been reinstated the fact that they had lapsed is to be ignored.

7. BUSINESS IN FORCE IN 1909

All policies in force at the anniversaries of their dates in 1909 must be considered for this investigation as if terminated in 1909. Deaths that have occurred after the anniversary in 1909 must not be recorded and the policy must be regarded as still in force as of the anniversary, 1909.

8. OCCUPATION CHANGES

In all cases the occupation at the time of issuance of the policy is to be used, and any changes of occupation which may have taken place thereafter are to be disregarded.

9. JOINT LIFE POLICY CHANGES

In the case of Joint Life Policies where the Joint Life plan has been changed to Single Life plan, the case shall be regarded as having terminated at the time of the change.

10. CANCELATION SLIPS

Cancellation Slips will be provided in quantities as called for by the companies. These are printed slips each of which contains ten columns of figures, from 0 to 99 in each column. Each slip thus represents 1,000 policy numbers. The figures 000 are printed at the top of the first column, 100 at the top of the second and so on. Additional figures should be written at the top of the first column to indicate which block of 1,000 numbers is intended to be covered. The block of 1,000 numbers to which the first policies belong, which were dated in the year 1885, should be thus marked on the first slip and successive slips should similarly be headed for successive blocks of 1,000 numbers each, ending with the block which contains the numbers of the latest policies dated in 1908.

The first work to be done is to take these Cancellation Slips to the registers which indicate whether or not each policy written has been taken and paid for. Policies not put in force or lapsing in the calendar year of issue may be noted on the slips by passing a pencil across the respective numbers. Any Company may dispense with the Cancellation Slips if it can in any other way more convenient to itself prepare the Policy Sheets or Build Sheets as desired.

11. POLICY SHEETS

For the purpose of carrying on this investigation, policy sheets have been prepared which provide for the entire record of each case, one policy to each line on the sheet. In the case of Joint Life policies, however, one line on the sheet shall be devoted to each life. These sheets will be furnished by the Committee in quantities to meet the needs of each Company.

One sheet must not contain policies dated in different years, the calendar year of issue being noted in the space provided for it at the top of the sheet. Policies dated back out of order to the preceding year should therefore be noted on a sheet pertaining to that year. When more than one policy has been written on the same application, the successive numbers for the same calendar year of issue should be noted in successive lines and connected by a bracket, the class numbers and age being noted only on one line opposite such bracket. Examination must be made concerning the duration of each policy included in the bracket and the duration of the one longest in force must be noted. It is not positively necessary that the policy numbers should invariably be in numerical order, such order being desirable for convenience only.

12. BUILD SHEETS

Build Sheets have also been prepared for use in the Special Study of Height and Weight and of the influence of Build on Longevity.

13. HOLLERITH CARDS

Hollerith cards have been prepared for the purposes of the investigation, and are fully described in a separate memorandum attached hereto.

RULES

The following rules apply especially to the work of abstracting the data from the original records and therefore apply only in part to the work of those companies whose data have already been more or less brought to completion:

I. CANCELTION SLIPS

Check Cancellation Slips through the registers and strike out all the useless material, as defined in Paragraph 4—"Material to be Used."

II. RECORDING THE DATA

Review carefully all the applications and medical records of all policies remaining on the Cancellation Slips, in connection with the lists of groups to be investigated, and where a case is found not to come within any of these groups, no record of it need be made, excepting where it is needed for the Build Study (see study—"The Influence of Build on Longevity.") All cases found to belong to one or more of the groups are to be carefully recorded by means of the symbols provided in the lists.

III. ORDER OF IMPORTANCE

Note.—The Medical Impairments are deemed to rank in importance according to their position on the list of medical impairments,—thus Syphilis is deemed to be of first importance; a history of Sugar in the Urine is deemed to stand next in importance to Syphilis; a history of Albumin in the Urine to stand next in importance to a history of Sugar in the Urine, and so on.

Rule.—The Medical Impairments which are included in the investigation shall be recorded on the sheets in the order of their importance, the lowest code number first.

IV. ONE LINE TO A POLICY

Each policy shall occupy one line on the sheet, excepting that Joint Life Policies shall occupy one line for each life.

V. AVOIDANCE OF ERROR

The original applications and medical reports of all policies that come within the scope of the inquiry shall be examined independently by two persons and the facts found by them shall be recorded independently on separate sheets. The sheets thus prepared shall, when completed, be compared by persons not concerned in their preparation. If the facts recorded on the two sheets are found to be identical, the record may be accepted as correct; if any difference is found, the original papers shall be consulted with a view to ascertaining the facts, and correcting the records.

VI. DEATHS

Great care must be observed in handling the applications and medical reports of cases which have terminated by death. Experience has shown that it is difficult to handle these records in exactly the same way as if the policies were still in force. Special care must be taken that cases which have terminated by death are not recorded as lapsed.

VII. WHEN IN DOUBT

Whenever a clerk engaged in recording on the sheets the facts contained in the applications and medical reports is in doubt as to the interpretation to be given to any fact of record, the original papers shall be referred to the Actuary to decide with respect to Actuarial facts; or to the Medical Director to decide as to the Medical facts.

VIII. CONSULT THE COMMITTEE

If the Actuary or the Medical Director is in doubt with respect to any question thus raised, that question shall be referred to the Committee in charge of the investigation for adjudication and the final disposition of the case shall be suspended pending the decision of the Committee. It is hoped that these references will not relate to **unimportant** matters.

IX. TRANSFER OF RECORDS

When the records written in code on the sheets have finally been certified as correct, the information contained on these sheets may be transferred to punched cards for the use of the Committee, or the sheets themselves may be handed to the Committee for the purpose of having punched cards made from them. Should any Company prefer to punch its own cards, the same care must be taken with respect to the transfer of the records as is prescribed by Rule V (Avoidance of Error) above.

Note.—Punched Cards.—It is hoped that all of the contributing companies will make use of the punched cards, a copy of which, together with instructions for preparing them, is attached hereto. This work may be done by the companies themselves or the Library Bureau will undertake the work for them.

The Committee advises the companies not to attempt to punch the cards directly from the applications and the medical reports, as experience has shown that such a method results in slower progress and more errors than by using an intermediary like the policy sheets.

X. TABLE OF HEIGHTS AND WEIGHTS

The table of Heights and Weights adopted by the Committee is the age group 35-39 of the Shepherd Table, slightly modified and extended so as to include very tall and very short persons. It is to be used **without regard** to the **age** or **sex** of the applicant.

The height and weight of each case shall be compared with this table and the degree of over or under weight shall be recorded in symbols, and not the actual height and weight; thus,—a person 5 ft. 7 in., 152 lbs. shall be recorded as 0 Build; a person 5 ft. 7 in., 167 lbs. shall be recorded as 1; a person 5 ft. 7 in., 123 lbs. as 7, etc.

The height is to be taken to the nearest inch, and the weight to the nearest pound. In even years of issue a $\frac{1}{2}$ inch of height should be disregarded and in odd years of issue it should be taken as 1 inch. A $\frac{1}{2}$ pound in weight should be disregarded.

Cases falling in groups 13, 14, 15, 16, 22, 23, 26, 27, 42, 49, 50, 51, 52, 53, 54, 55 must have the build recorded in symbols in all cases. It is optional to record the build in other cases unless they fall in Build Groups 3, 4, 5, 7, 8, 9,—in which event it must be recorded.

A NEW STANDARD TABLE OF HEIGHTS AND WEIGHTS A STUDY OF THE INFLUENCE OF BUILD ON LONGEVITY

After a careful study of the facts now available, the Committee is of the opinion that the Table of Heights and Weights now in use among the companies does not express the actual facts and that it is desirable to establish a new Standard Table of Heights and Weights based upon a larger amount of data than the last. At the same time it is important to make a careful study of the influence of Build on Longevity.

To accomplish these two purposes the companies are requested to furnish records of all cases in their entire business on standard lives (policies issued at regular rates) in the United

States and Canada for the years 1885 to 1908, both inclusive, which are 15% or more underweight and 25% or more overweight, i. e., all cases which fall in groups designated by the symbols 3, 4, 5, 7, 8 and 9 of the Table of Weights adopted by the Committee. In addition to this, as the mass of business thus accumulated will not contain any cases falling near the average build, i. e., in Groups 0, 1, 2 and 6 of the Committee's Table, the companies are requested to furnish a record of the Heights and Weights of the entire business on Standard lives for one month in each of the sixteen years, 1885 to 1900, both inclusive. In order to secure an average of Summer and Winter weight, the entire "Standard" business for one month in each of the sixteen years here referred to will consist of the business of the months of January in the odd years and of July in the even years. Cases which have been treated by the companies as sub-standard either on account of medical impairment or hazardous occupation are to be excluded.

This study of Heights and Weights and of the Influence of Build on Longevity is separate and distinct from the studies of Occupations and Medical Impairments, and special Build Sheets and Build Cards have been prepared by the Committee for the purposes of this study. Many cases which fall within the various Impairment Groups will also fall within the Build Groups here referred to, and therefore the records of the same cases will frequently occur in both studies and will have to be recorded on both the Impairment Sheets and the Build Sheets, on the Impairment Cards and on the Build Cards.

The Special Build Sheets and Build Cards furnished by the Committee call for the Age at Issue, the Year of Issue, the Duration, the Cause of Termination, the Cause of Death, the actual Height in feet and inches to the nearest inch and the actual Weight in pounds to the nearest pound, the degree of over and under weight recorded in appropriate symbols as referred to in Rule X. In even years of issue a $\frac{1}{2}$ inch of height should be disregarded and in odd years of issue it should be taken as 1 inch. A $\frac{1}{2}$ pound in weight should be disregarded.

The data on the Build Sheets and Build Cards are to be brought down to the anniversary of 1909, in the same way as in the Impairment and Occupation Studies.

To recapitulate: The cases to be used in the Mortality study of Build and in establishing a new Standard Table of Heights and Weights are of two categories, viz.:

(1) The entire business of the companies in the Januarys of the odd years and the Julys of the even years during the sixteen years from 1885 to 1900, both inclusive.

(2) All cases found on the Company's records between the years 1885 and 1908, both inclusive, which fall within the Weight Groups 3, 4, 5, 7, 8 and 9 of the Committee's Table. These cases will furnish sufficient material for studying the heavy weights and the light weights.

Where a record for the purposes of this study has been made because a case falls within the first category here mentioned, no record of it should be made because it happens also to fall in the second category,—that is to say, where the same case falls in both categories, only one record of it should be made.

Both these groups are to be carried down to the anniversary of 1909, in the same way as in the Occupation and Medical Impairment Studies.

SYNOPSIS OF INFORMATION REQUIRED REGARDING "BUILD" (SEE ALSO MEDICAL IMPAIRMENTS)

1. Build sheets or cards for all heights and weights for one month of each of the years 1885 to 1900, inclusive. (January, 1885, July, 1886, January, 1887, and so on.)

2. Build sheets or cards for each of the years of issue 1885 to 1908, inclusive, for all cases where the applicant is more than 25% overweight or more than 15% underweight,—that is,

those coming within the Build Groups 3, 4, 5, 7, 8 and 9,—except such as are issued in January, 1885, July, 1886, etc., and are covered by 1.

3. General sheet or card. In all medical impairments and in all occupations the build is to be recorded if the applicant is more than 25% overweight or more than 15% underweight,—that is, comes within the Build Groups 3, 4, 5, 7, 8 and 9.

4. General sheet or card. In certain of the medical impairments the Build Group is to be recorded in all cases, these impairments being 13, 14, 15, 16, 22, 23, 26, 27, 42, 49, 50, 51, 52, 53, 54 and 56.

Under the above arrangement, a Build and a General card will sometimes be required on the same life: that is, it will be included both in the Build and in the Policy sheets.

The data under "1" and "2" are to be kept separate, different colored sheets and cards being prepared for that purpose.

While the data under "1" are to include the issues of the years 1885 to 1900 only, the records of these policies are to be taken to their anniversaries in 1909.

MEDICAL IMPAIRMENTS (REQUIRED)

Each medical impairment shall be accompanied by the symbols indicating the **number** of attacks and the **time** of occurrence of the last attack prior to the date of examination; thus,—

X—skip;

K—found on examination;

A—one attack within two years of the date of application;

B—one attack within 3, 4, or 5 years of the date of application;

C—one attack within 6 to 10 years of the date of application;

D—one attack more than 10 years prior to the date of application;

E—2 or more attacks, the last one within 2 years of date of application;

F—2 or more attacks, the last one within 3, 4, or 5 years of date of application;

G—2 or more attacks, the last one 6 to 10 years prior to date of application;

H—2 or more attacks, the last one more than 10 years prior to date of application;

J—an attack at an indefinite time in the past.

Thus,—one attack of Renal Colic within a year is indicated by 24A, two attacks of Rheumatism, the last of which occurred four years ago, is indicated by 25F; several attacks of Intermittent Fever, the last one occurring one year ago, is indicated by 38E.

Certain of the impairments need not be recorded if they occurred more than a certain number of years prior to date of application; for example, an attack of Gout more than ten years ago need not be recorded; a history of Asthma more than five years before the date of examination, etc. These time limits are noted in connection with the impairments to which they apply.

PERSONAL HISTORY

Note.—Cases falling in groups 13, 14, 15, 16, 22, 23, 26, 27 and 42, as well as those noted below under "Family History," 49 to 55 inclusive, must have the build recorded in symbols in the column reserved for Build. In all other groups of medical impairments the recording of build is optional except it fall within the Build groups 3, 4, 5, 7, 8 and 9, in which event it must be recorded.

Code
No.

1. Syphilis, History of, **surely**, thoroughly treated, two years continuous treatment, and one year freedom from symptoms.
2. Syphilis, History of, **surely**, not thoroughly treated.

3. Syphilis, History of, **surely**, no details of treatment given.
(**Surely**—i. e.,—include in groups 1, 2 and 3 only those cases in which the disease was certainly present.)
4. Syphilis, History of, **doubtful**.
(**Doubtful**,—i. e.,—include in this group those cases in which there is doubt whether the disease ever was present.)
***Note**—In groups 5, 6, 7, 8, 9, 10, 11, 29, 30, 31 and 32, information, if not more than 10 years old, received from other companies at the time of considering the application must be employed as a part of the record of the reporting Company provided it is in sufficient detail to make it available. Each such record is to be considered as an "Attack." Two or more reports, however, of the same impairment recorded within sixty days of each other shall be considered as one report.
5. *Sugar in the Urine, History of, within 10 years.
6. *Albumin in the Urine, without casts, History of, within 10 years.
7. *Albumin in the Urine, without examination for casts, History of, within 10 years.
8. *Albumin in the Urine, with only hyaline casts, History of, within 10 years.
9. *Albumin, with granular and other casts, History of, within 10 years.
10. *Casts, Hyaline alone, without Albumin, History of, within 10 years.
11. *Casts, Granular and other than Hyaline, without Albumin, History of, within 10 years.
12. Gall Stones or Hepatic Colic, History of.
13. Tuberculosis of the Lungs, with or without blood-spitting, History of.
14. Blood-Spitting, History of, without a distinct history of Tuberculosis of the Lungs.
(The blood-streaked sputum of Pneumonia or of acute Bronchitis should be excluded.)
15. Tuberculosis of Glands, including scrofulous glands of neck, History of.
16. Tuberculosis of Bone (hip, spine and other joints), History of.
Note.—The Time symbols are also to be used in groups 17 to 21 inclusive: thus, if last **occasional** excess were one year ago, the E would be used; if the applicant had taken a cure once for alcoholic habits three years ago, the B would be used.
17. Habits as to Alcohol, occasional excesses, History of.
18. Habits as to Alcohol, steady, free user, History of. (Decision as to the cases which properly fall in this group is left to the individual companies.)
19. Former Intemperate Habits, reformed without treatment, History of.
20. Taken Cure for alcoholic habits, total abstainer since cure, History of.
21. Taken Cure for alcoholic habits, not total abstainer since cure, History of.
22. Pleurisy (Purulent), History of.
23. Pleurisy other than purulent, History of.
24. Renal Colic, Gravel, Calculus, History of.
25. Rheumatism, acute articular, History of,—the last attack within 5 years,—exclude **Muscular Rheumatism**.
26. Fistula in Ano, with or without operation, History of, within 10 years of examination.
27. Exposure to Tuberculosis, History of, with date of last exposure. (Living in house with tubercular person.)
28. Gout, History of, within 10 years of examination.
29. *Pulse, Irregular. Found on examination or History of, within 10 years.
30. *Pulse, Intermittent. Found on examination or History of, within 10 years.
31. *Pulse, 90 to 100. Found on examination or History of, within 10 years.
32. *Pulse, over 100. Found on examination or History of, within 10 years.
33. Asthma, History of, within 5 years of examination.

Code
No.

34. Gastric Ulcer and Haematemesis, History of.

35. Goitre.

Note.—In the Groups 36, 37 and 38, following, the habitat shall be recorded as per Habitat Code.

36. Malarial Fever, pernicious, including all cases of malarial Hematuria,—Swamp Fever, Black Water Fever, etc., History of.

37. Malarial Fever, remittent, History of,—only cases distinctly stated to be remittent in type.

38. Malarial Fever, History of—all others. This includes ordinary Chills and Fever, Fever and Ague, Malarial Fever, Intermittent Fever.

39. Appendicitis, without operation, History of, last attack within 10 years.

40. Stricture of the Urethra, History of, within 10 years of examination.

41. Suppurative Middle Ear Disease, History of, within 5 years of examination,—Otorrhoea, Discharge from Ear.

42. Abdominal Girth greater than Chest Expanded.

Note.—Indicate how much greater the abdominal girth is than the girth of the chest expanded by the following symbols of the Time Code:

A. 0—1 inch.

B. $1\frac{1}{4}$ —2 inches.

C. $2\frac{1}{4}$ —3 inches.

D. all over 3 inches, inclusive.

43. Infantile Paralysis, History of.

44. Spinal Curvature, not tubercular, History of.

45. Pneumonia, History of, two or more attacks.

46. Nervous Prostration, Nervous Exhaustion or Neurasthenia, History of, lasting at least one month, within 5 years of examination.

47. Total Blindness.

48. Total Deafness.

FAMILY HISTORY

(Limited to parents, brothers and sisters.)

A parent, brother or sister still living but ill of one of the diseases, 49-60 inclusive, shall be counted as having died of it.

Note.—Cases falling in Groups 49 to 55 following, both inclusive, must have the build recorded in symbols in all cases, in the column reserved for Build.

49. Tuberculosis in Family Record, both parents and one or more brothers or sisters dead of.

50. Tuberculosis in Family Record, one parent and two or more brothers or sisters dead of.

51. Tuberculosis in Family Record, one parent and a brother or sister dead of.

52. Tuberculosis in Family Record, two or more brothers or sisters dead of.

53. Tuberculosis in Family Record, one brother or sister dead of.

54. Tuberculosis in Family Record, two parents dead of.

55. Tuberculosis in Family Record, one parent dead of.

56. Apoplexy or Paralysis in Family Record, two or more cases.

57. Insanity in Family Record, two or more cases.

58. Epilepsy in Family Record, two or more cases.

59. Diabetes in Family Record, two or more cases.

60. Cancer in Family Record, two or more cases.

61. Heart Disease in Family Record, two or more cases.

Code
No.

PERSONAL HISTORY

62. Drug Addiction, History of.
63. Major Surgical Operation on Kidney, History of.
64. Major Surgical Operation, Removal of Gall Bladder, History of.
65. Major Surgical Operation on Stomach, History of.
66. Major Surgical Operation on Prostate, History of.
67. Major Surgical Operation on Bladder, History of.
68. Amputation of Thigh.
69. Hysterectomy, History of.
70. Removal of both ovaries, History of.
71. Epilepsy, History of.
72. Insanity, History of.
73. Hernia, ventral or umbilical, with truss or support.
74. Hernia, all other varieties, with truss or support.
75. Hernia, ventral or umbilical, without truss or support.
76. Hernia, all other varieties, without truss or support.

MEDICAL IMPAIRMENTS (Optional)

These impairments with code numbers are placed here for the convenience of such Companies as choose to make use of them. They may also be found convenient at some future date for collective study.

77. Vertigo or Syncope within 5 years.
78. Sunstroke or Heat Prostration within 10 years.
79. High Arterial Tension, from 160 to 180.
80. High Arterial Tension, over 180.
81. Disease of Prostate Gland without operation, within 5 years.
82. Functional or Cardio-Respiratory Murmur.
83. Cystitis, Inflammation of the Bladder, within 5 years.
84. Hematuria, not malarial, history of.
85. General Appearance Fragile, not Robust.
86. Hydrocele on examination.
87. Floating Kidney, within 10 years.
88. Removal of Appendix.
89. Operation for Appendicitis, without removal of Appendix.
90. Phlebitis.
91. Mastoiditis, with or without operation.
92. Cancer, suspected in the applicant.
93. Heart enlarged.
94. Disease of Ovaries or Tubes.
95. Disease of Uterus.
96. Has had a normal labor.
97. Has had instrumental labor.
98. Has had Abortion or Miscarriage.
99. Pregnant at the time of examination.

Note.—Additional medical impairments may be recorded by individual companies by using the code numbers 100 and above.

OCCUPATIONS (Required)

(The recording of Build is optional unless it fall within build groups 3, 4, 5, 7, 8 and 9, in which event it must be recorded.)

Code
No.

ARMY

1. Commissioned Officers in Army, excluding Chaplains, Physicians, Surgeons and Paymasters.

AUTOMOBILES

2. Proprietors and Salesmen in Auto Stations and Garages.
3. Repairmen and Machinists in Auto Stations and Garages.
4. Chauffeurs, non-racing, not including Testers and Demonstrators.

BAKERS

5. Journeymen Bakers.

COOKS AND CHEFS

6. Male Cooks and Chefs in Hotels and Restaurants.

DRUGGISTS

7. Druggists, retail: Proprietors and Employees.

ELECTRICAL BUSINESS

8. Superintendents, Managers and Chief Engineers of Electric Light, Heat and Power Systems.
9. Electrical Engineers who handle Live Wires.
10. Stationary Engineers and Firemen connected with Electric Light, Heat and Power Systems.
11. Linemen (Pole Climbers) and Arc Light Trimmers.

FIRE DEPARTMENT (City)

12. Lieutenants, Captains, Chiefs and Assistant Chiefs.
13. Firemen, Laddermen, Pipemen and Hosemen.
14. Drivers, Engineers, Stokers and Truckmen.

GLASS WORKERS

15. Glass Blowers not using machinery, excluding Foremen and Superintendents.
16. Bevelers, Grinders, Engravers and Cutters of Glass, exclusive of Foremen and Superintendents.

HATTERS

17. Journeymen Hatters (excluding straw).

LIFE-SAVING CORPS

18. Officers and Men in Life-Saving Corps.

LIQUOR BUSINESS

Code
No.

Hotels With Bar

19. Proprietors, Superintendents and Managers of Hotels where there is a Bar, but who do not attend Bar.
20. Proprietors, Superintendents and Managers of Hotels attending Bar, either occasionally or regularly.

Saloons, Billiard Rooms, Etc.

21. Proprietors and Managers of Saloons, Billiard Rooms, Pool Rooms and Bowling Alleys, with Bar, but who do not attend Bar.
22. Proprietors and Managers of Saloons, Billiard Rooms, Pool Rooms and Bowling Alleys, who occasionally or regularly attend Bar.

Brewery

23. Proprietors, Managers and Superintendents.
24. Clerks.
25. Foremen, Malsters, Beer-pump Repairers and Journeymen.

Distillery

26. Proprietors, Managers and Superintendents.
27. Foremen and Journeymen.

Traveling Salesmen (Liquor)

28. Traveling Salesmen and Collectors for Distilleries, Breweries and Wholesale Liquor Houses, excluding those who have always been total abstainers.

Wholesale Liquor Dealers

29. Wholesale Liquor Houses—Proprietors and Managers.
30. Wholesale Liquor Houses—Clerks.

Restaurants With Bar

31. Proprietors, Superintendents and Managers of Restaurants with Bar, but who do not attend Bar.

Waiters

32. Waiters in Hotels, Restaurants and Clubs where liquor is served.

MARINE

33. Officers and Engineers on Steamers on Great Lakes.

METAL WORKERS

34. Cutlers, Scissors-grinders, Axe, Plow and other Steel Grinders, exclusive of Foremen and Superintendents.

Code
No.

- 35. Burnishers, Buffers, Finishers and Polishers of Metal, exclusive of Foremen and Superintendents.
- 36. Foremen, Assistant Foremen and Working Superintendents of Blast Furnaces.
- 37. Forgemen, Foundrymen and Molders, excluding Foremen and Superintendents.
- 38. Rolling Mill Employees (Hot Iron Workers only), excluding Foremen and Superintendents.

MINING

- 39. Mining Engineers, Superintendents and Managers of Mines, who occasionally go underground, excluding Coal Mines.
- 40. Superintendents and Managers of Coal Mines, who occasionally go underground.
- 41. Foremen and Bosses of Placer, Drift, Hydraulic and other **Surface** Mines.
- 42. Working Miners of Placer, Drift, Hydraulic and other **Surface** Mines.
- 43. Foremen and Bosses of **Underground** Mines, exclusive of Coal Mines.
- 44. Working Miners of **Underground** Mines, exclusive of Coal Mines.
- 45. Working Coal Miners (Anthracite).
- 46. Working Coal Miners (Bituminous).

NAVY

- 47. Commissioned Officers in Navy, excluding Chaplains, Physicians, Surgeons and Paymasters.

NURSES

- 48. Trained Male Nurses.
- 49. Trained Female Nurses.

POLICE

- 50. City Policemen.
- 51. Marshals, Sheriffs and Constables, excluding those Chief Sheriffs not exposed to hazard from Occupation.
- 52. Jailers, Wardens and Prison Guards.

POTTERS

- 53. Employees who mold the articles from Potter's Clay, exclusive of Foremen and Superintendents.
- 54. Employees who Glaze the Pottery, excluding Foremen and Superintendents.
- 55. All other Employees of Potteries, excluding Foremen, Superintendents and Office Employees.

RAILROAD

- 56. Railway Passenger Trainmen (not Conductors), excluding issues prior to 1890.
- 57. Railway Locomotive Engineers, excluding issues prior to 1890.
- 58. Railway Locomotive Firemen, excluding issues prior to 1890.
- 59. Check Clerks, Freight Inspectors, Car Inspectors, Car Sealers, Yard Clerks and Yard Masters.
- 60. Track Supervisors and Foremen, Section Foremen.

Code
No.

SAW-MILL

- 61. Sawyers in Saw-Mill, excluding those who work part of the year in other occupations.
- 62. Saw-Filers in Saw-Mill not using Automatic Machines.

SMELTER WORKS

- 63. Foremen and Workmen (Mill-men).

STRUCTURAL IRON WORKERS

- 64. Structural Iron Workers (including house smiths and bridge builders).

TEAMSTERS

- 65. Teamsters, excluding those in the liquor trade.

THEATRICAL PROFESSION

- 66. Actors, including Vaudeville performers, but excluding acrobats and circus performers.
- 67. Actresses, including Vaudeville performers, but excluding acrobats and circus performers.
- 68. Proprietors, Managers and Treasurers of Theatres, Music Halls and Vaudeville Houses.

OCCUPATIONS (Optional)

These occupations are not required for the Medico-Actuarial Mortality Investigation, but the Committee recommends that they be recorded on the policy sheets or cards for possible future investigation.

Code
No.

- 100. **Army**—Physicians and Surgeons.
- 101. **Army**—Non-commissioned and Petty Officers.
- 102. **Army**—Soldiers (Privates).
- 103. **Baseball Players**—Professional.
- 104. **Barbers**—Hair Dressers—Journeyman.
- 105. **Baths**—Rubbers and Shampooers.
- 106. **Bleachery**—Employees.
- 107. **Bottlers**—Proprietors and Managers.
- 108. **Bottlers**—Foremen and Journeyman.
- 109. **Breweries**—Chemists and Compounders of Liquors.
- 110. **Breweries**—Engineers and Firemen.
- 111. **Breweries**—Gaugers.
- 112. **Bricklayers**.
- 113. **Butchers (Retail)**—Journeyman.
- 114. **Butchers**—Cutters, Shavers and Skinners in **Stock Yards**.
- 115. **Butlers**.
- 116. **Bicyclists**—Professional.
- 117. **Blacksmiths** who occasionally shoe horses and **Horse Shoers**.
- 118. **Bookbinders**—Journeyman.
- 119. **Caisson (Compressed Air)**—Workers.
- 120. **Carpet Mills**—Operatives.

Code
No.

121. **Cartridge Factory**—Workmen employed in Manufacture.
122. **Celluloid Factory**—Employees.
123. **Cement Mill**—Workers.
124. **Cigar Makers.**
125. **Concentrator—Wet Process**—Foremen and Employees.
126. **Concentrator—Dry Process**—Foremen and Employees.
127. **Cotton Factory**—Operatives.
128. **Cyanide Works**—Employees in.
129. **Distillery**—Clerks.
130. **Distillery**—Chemists and Compounders of Liquors.
131. **Distillery**—Gaugers.
132. **Detectives.**
133. **Domestic Servants (Women).**
134. **Dyers**—Journeyman.
135. **Dynamite Factory**—Workmen employed in Manufacture.
136. **Excise Agents and Internal Revenue Collectors.**
137. **Elevated Railroad Service**—Motormen.
138. **Elevated Railroad Service**—Conductors and Guards.
139. **Enamel Ware Factory**—Workers.
140. **Fertilizer Factory**—Workmen.
141. **Firemen—Stationary**—not connected with mines or other hazardous pursuits.
142. **File Makers.**
143. **Fishermen—In-shore.**
144. **Fishermen—Deep-sea.**
145. **Furriers**—Journeyman.
146. **Grain Elevator**—Employees in.
147. **Granite Works**—Blasters and Quarrymen.
148. **Granite Works**—Operators of Surface Machines.
149. **Granite Works**—Cutters.
150. **Grocery With Bar**—Proprietors only.
151. **Gunpowder Factory**—Workmen employed in Manufacture.
152. **Janitors.**
153. **Jewelers**—Journeyman.
154. **Livery Stables**—Proprietors.
155. **Livery Stables**—Employees, excluding clerks.
156. **Lumbermen.**
157. **Match Factory**—Employees.
158. **Marble Works**—Cutters, Carvers and Tracers.
159. **Marble Works**—Other Workmen.
160. **Millers**—Journeyman.
161. **Motormen on Street Electric Lines.**
162. **Navy**—Physicians and Surgeons.
163. **Navy**—Petty and Warrant Officers.
164. **Navy**—Sailors and Marines.
165. **Oil Fields**—Drillers, Pumpmen and Gaugers.
166. **Oil Refinery**—Operatives.
167. **Painters (House)**—Journeyman.
168. **Paper and Pulp Mill**—Operatives.

Code
No.

169. **Plantation Stores in South**—with Bar—Proprietors.
170. **Plasterers**—Journeyman.
171. **Plumbers and Steam Fitters**—Journeyman.
172. **Printing**—Photo-engravers (Journeyman).
173. **Printing**—Compositors (Journeyman).
174. **Printing**—Pressmen (Journeyman).
175. **Printing**—Electrotypers (Journeyman).
176. **Printing**—Lithographers (Journeyman).
177. **Railroad**—Mail Clerk and Express Messenger.
178. **Railroad**—Signalmen, Switchmen, Signal Repairer—all in Yard.
179. **Rubber Factory**—Employees.
180. **Saloon**—Barkeepers.
181. **Subway Railway Service**—Motormen.
182. **Subway Railway Service**—Conductors and Guards.
183. **Shoe Manufacture**—Operatives.
184. **Slate Works**—Workmen in Quarries.
185. **Slate Works**—Journeyman in Mills.
186. **Soft Drinks Factory**—Proprietors.
187. **Soft Drinks Factory**—Foremen and Bottlers.
188. **Stone Cutters**—Journeyman.
189. **Sugar Refineries**—Employees.
190. **Steam Vessels**—Officers and Engineers on coastwise trade, excluding those traveling to the Tropics.
191. **Steam Vessels**—Captains and Officers on steamers on River, Lake, Sound and Harbors, excluding Great Lakes.
192. **Steam Vessels**—Officers and Engineers on Ocean Steamers.
193. **Tailors**—Journeyman.
194. **Tanners**—Journeyman.
195. **Tin Mill**—Workmen in Mill.
196. **Undertakers and Embalmers**—Proprietors.
197. **Valets**.
198. **Veterinary Surgeons**.
199. **Woolen Mills**—Operatives.

BUILD—HEIGHT AND WEIGHT **UNDERWEIGHT**

Code Symbols	9	8	7	6	0	Height
Height						Height
4 ft. 9 in.	81 and under	82— 93	94—106	107—118	119—132	4 ft. 9 in.
4 ft. 10 in.	81 and under	82— 94	95—107	108—119	120—133	4 ft. 10 in.
4 ft. 11 in.	82 and under	83— 95	96—108	109—121	122—134	4 ft. 11 in.
5 ft. 0 in.	83 and under	84— 96	97—109	110—122	123—136	5 ft. 0 in.
5 ft. 1 in.	85 and under	86— 98	99—111	112—124	125—138	5 ft. 1 in.
5 ft. 2 in.	86 and under	87—100	101—113	114—126	127—141	5 ft. 2 in.
5 ft. 3 in.	88 and under	89—102	103—115	116—129	130—144	5 ft. 3 in.
5 ft. 4 in.	90 and under	91—104	105—118	119—132	133—147	5 ft. 4 in.
5 ft. 5 in.	92 and under	93—106	107—121	122—135	136—150	5 ft. 5 in.
5 ft. 6 in.	95 and under	96—109	110—124	125—139	140—155	5 ft. 6 in.
5 ft. 7 in.	98 and under	99—113	114—128	129—143	144—159	5 ft. 7 in.
5 ft. 8 in.	101 and under	102—116	117—132	133—148	149—164	5 ft. 8 in.
5 ft. 9 in.	104 and under	105—120	121—136	137—152	153—170	5 ft. 9 in.
5 ft. 10 in.	107 and under	108—124	125—141	142—158	159—175	5 ft. 10 in.
5 ft. 11 in.	111 and under	112—129	130—146	147—163	164—181	5 ft. 11 in.
6 ft. 0 in.	115 and under	116—133	134—151	152—169	170—188	6 ft. 0 in.
6 ft. 1 in.	120 and under	121—138	139—157	158—175	176—195	6 ft. 1 in.
6 ft. 2 in.	124 and under	125—143	144—162	163—182	183—202	6 ft. 2 in.
6 ft. 3 in.	129 and under	130—149	150—169	170—189	190—210	6 ft. 3 in.
6 ft. 4 in.	134 and under	135—154	155—175	176—196	197—218	6 ft. 4 in.
6 ft. 5 in.	139 and under	140—161	162—182	183—204	205—226	6 ft. 5 in.

BUILD—HEIGHT AND WEIGHT
OVERWEIGHT

Code Symbols	1	2	3	4	5	
Height						Height
4 ft. 9 in.	133—144	145—157	158—169	170—188	189 and over	4 ft. 9 in.
4 ft. 10 in.	134—146	147—158	159—171	172—190	191 and over	4 ft. 10 in.
4 ft. 11 in.	135—147	148—160	161—173	174—192	193 and over	4 ft. 11 in.
5 ft. 0 in.	137—149	150—162	163—175	176—195	196 and over	5 ft. 0 in.
5 ft. 1 in.	139—151	152—165	166—178	179—198	199 and over	5 ft. 1 in.
5 ft. 2 in.	142—154	155—168	169—181	182—201	202 and over	5 ft. 2 in.
5 ft. 3 in.	145—157	158—171	172—185	186—205	206 and over	5 ft. 3 in.
5 ft. 4 in.	148—161	162—175	176—189	190—210	211 and over	5 ft. 4 in.
5 ft. 5 in.	151—165	166—179	180—193	194—215	216 and over	5 ft. 5 in.
5 ft. 6 in.	156—169	170—184	185—199	200—221	222 and over	5 ft. 6 in.
5 ft. 7 in.	160—174	175—190	191—205	206—228	229 and over	5 ft. 7 in.
5 ft. 8 in.	165—180	181—196	197—211	212—235	236 and over	5 ft. 8 in.
5 ft. 9 in.	171—186	187—202	203—218	219—242	243 and over	5 ft. 9 in.
5 ft. 10 in.	176—192	193—209	210—225	226—250	251 and over	5 ft. 10 in.
5 ft. 11 in.	182—199	200—216	217—233	234—259	260 and over	5 ft. 11 in.
6 ft. 0 in.	189—206	207—224	225—242	243—268	269 and over	6 ft. 0 in.
6 ft. 1 in.	196—213	214—232	233—250	251—278	279 and over	6 ft. 1 in.
6 ft. 2 in.	203—221	222—240	241—260	261—288	289 and over	6 ft. 2 in.
6 ft. 3 in.	211—230	231—250	251—269	270—299	300 and over	6 ft. 3 in.
6 ft. 4 in.	219—238	239—259	260—280	281—311	312 and over	6 ft. 4 in.
6 ft. 5 in.	227—248	249—269	270—291	292—323	324 and over	6 ft. 5 in.

Code
No.

CAUSE OF TERMINATION

12.

11.

0. Lapsed.

1. Term Extension.

2. Reduced Paid-up.

3. Purchased.

4. Expired.

5. Matured.

6.

7.

8.

9. Dead.

When the policy is in force at the date of the investigation the letter "F" should be entered in the policy sheet under the heading of "Duration." In the case of the perforated cards, the punching of the "X" in the Duration field carries the card to the first column of the Occupation field.

When a company does not desire to give the causes of termination in accordance with the foregoing code, it may use the symbol "0" (Lapsed) for all causes of termination except death, in which case the figure "9" must be used.

The date of termination for the purposes of the present investigation is assumed to take place when the policy goes on Term Extension or reduced Paid-up.

The companies may use 6, 7, 8, 11 and 12 for any additional modes of termination which they desire to record.

SPECIAL CLASS

The first six classes appearing in the following code are desired by the Committee, while it is optional with the companies to furnish the last three (Classes 7, 8 and 9). Nos. 5 and 6 are intended for the use of individual companies.

Code
No.

12. Colored Ministers, teachers and other professional men and women.

11. All other colored men or women.

0. Reserved for use on perforated card.

1. Spinsters.

2. Married women, husband beneficiary.

3. Married women, any other beneficiary than husband.

4. Widows and divorced.

5.

6.

7. Indians. No. Am. }

8. Chinese. }

9. Japanese. }

Optional.

KIND OF POLICY

The use of the code for designating the kind of policy is optional except in the case of four classes of Joint Life Policies—Nos. 80 to 83 inclusive. The Committee, however, recommends the companies to abstract the data for their own use or for some future collective investigation. The companies may extend the code by using from 100 to 999.

Code
No.

ORDINARY LIFE AND LIMITED PAYMENT LIFE*

- 10. Ordinary Life or Endowment at age 80 or 85.
- 11. Single Payment Life.
- 12. 5-Payment Life.
- 13. 9 and 10-Payment Life.
- 14. 14 and 15-Payment Life.
- 15. 19 and 20-Payment Life.
- 16. 25-Payment Life.
- 17. 30-Payment Life.
- 18. 35-Payment Life, and over.

ENDOWMENT*

- 30. Single Payment—all periods.
- 31. 5-Year Endowment.
- 32. 9 and 10-Year Endowment.
- 33. 14 and 15-Year Endowment.
- 34. 19 and 20-Year Endowment.
- 35. 25-Year Endowment.
- 36. 30-Year Endowment.
- 37. 35-Year Endowment, and over.
- 38. 15-Year Endowment, 10 Payments.
- 39. 20-Year Endowment, 10 Payments.
- 40. 30-Year Endowment, 20 Payments.
- 41. Other Endowments with payment periods shorter than Endowment periods.

RENEWABLE TERM*

i. e., those renewable at the end of the period.

- 50. 5-Year Renewable Term.
- 51. 10-Year Renewable Term.
- 52. 15-Year Renewable Term.
- 53. 20-Year Renewable Term.
- 54. Yearly Renewable Term.

NON-RENEWABLE*

- 60. 5-Year Non-Renewable and Non-Convertible Term.
- 61. 10-Year Non-Renewable and Non-Convertible Term.
- 62. 15-Year Non-Renewable and Non-Convertible Term.
- 63. 20-Year Non-Renewable and Non-Convertible Term.
- 64. 5-Year Non-Renewable but Convertible Term.
- 65. 10-Year Non-Renewable but Convertible Term.
- 66. 15-Year Non-Renewable but Convertible Term.
- 67. 20-Year Non-Renewable but Convertible Term.

*Other Term, Limited Payment Life and Endowment Insurances are to be taken to the nearest period provided in the above code.

SPECIAL TERM

i. e., those issued with a preliminary term period of 3 or 5 years and convertible automatically into higher priced insurance; for example, into Ordinary Life, both forms being in one contract.

- 70. 3-Year Convertible Term.
- 71. 5-Year Convertible Term.

Code
No.

JOINT LIFE

80. Joint Life—two men—Ordinary Life.
81. Joint Life—two men—Limited Payment Life and Endowment.
82. Joint Life—a man and a woman—Ordinary Life.
83. Joint Life—a man and a woman—Limited Payment Life and Endowment.
84. Joint Life—three lives—all plans.
85. Joint Life—four lives—all plans.
86. All other Joint Life Policies.

HABITAT

The use of the Habitat Code is optional, except in connection with the various types of malarial fever, Medical Impairment Groups, Nos. 36, 37 and 38, in which cases the habitat must be recorded if it fall in the Gulf Counties of Alabama and of Texas, in the Seacoast Counties of Georgia, or in the States of Arkansas, Florida, Louisiana and Mississippi. For more detailed study, the State of Arkansas has been divided into Delta Counties and all other Counties; Florida has been divided into Gulf Counties and all other Counties; Louisiana has been divided into Gulf Counties and all other Counties; and Mississippi into Gulf Counties, Delta Counties and all other Counties.

Code
No.

- | | |
|---------------------------|----------------------|
| 0. Alabama. | Gulf Counties.* |
| 1. Alabama. | Other Counties. |
| 2. Alaska. | |
| 3. Arizona. | |
| 4. Arkansas. | Delta Counties.* |
| 5. Arkansas. | Other Counties. |
| 6. California. | |
| 7. Colorado. | |
| 8. Connecticut. | |
| 9. Delaware. | |
| 10. District of Columbia. | |
| 11. Florida. | Gulf Counties.* |
| 12. Florida. | Other Counties. |
| 13. Georgia. | Sea-Coast Counties.* |
| 14. Georgia. | Other Counties. |
| 15. Idaho. | |
| 16. Illinois. | |
| 17. Indiana. | |
| 18. Iowa. | |
| 19. Kansas. | |
| 20. Kentucky. | |
| 21. Louisiana. | Gulf Counties.* |
| 22. Louisiana. | Other Counties. |
| 23. Maine. | |
| 24. Maryland. | |
| 25. Massachusetts. | |
| 26. Michigan. | |
| 27. Minnesota. | |

Code
No.

- | | |
|---------------------|------------------|
| 28. Mississippi. | Gulf Counties.* |
| 29. Mississippi. | Delta Counties.* |
| 30. Mississippi. | Other Counties. |
| 31. Missouri. | |
| 32. Montana. | |
| 33. Nebraska. | |
| 34. Nevada. | |
| 35. New Hampshire. | |
| 36. New Jersey. | |
| 37. New Mexico. | |
| 38. New York. | |
| 39. North Carolina. | |
| 40. North Dakota. | |
| 41. Ohio. | |
| 42. Oklahoma. | |
| 43. Oregon. | |
| 44. Pennsylvania. | |
| 45. Rhode Island. | |
| 46. South Carolina. | |
| 47. South Dakota. | |
| 48. Tennessee. | |
| 49. Texas. | Gulf Counties.* |
| 50. Texas. | Other Counties. |
| 51. Utah. | |
| 52. Vermont. | |
| 53. Virginia. | |
| 54. Washington. | |
| 55. West Virginia. | |

Code
No.

56. Wisconsin.

57. Wyoming.

60. Hawaii.

61. Philippine Islands.

62. Cuba.

63. Porto Rico.

80. Maritime Provinces, i. e., Nova
Scotia, New Brunswick, Prince
Edward Island and Newfoundland.

81. Province of Quebec.

82. Province of Ontario.

83. Provinces of Manitoba, Saskatchewan
and Alberta.

84. British Columbia.

85. Klondike and Yukon Districts.

ALABAMA

0. Gulf Counties.*

Baldwin.

Mobile.

ARKANSAS

4. Delta Counties.*

Arkansas.

Ashley.

Chicot.

Clay.

Craighead.

Crittenden.

Cross.

Desha.

Drew.

Green.

Lee.

Lincoln.

Mississippi.

Monroe.

Phillips.

Poinsett.

St. Francis.

FLORIDA

11. Gulf Counties.*

Alachua.

Calhoun.

Citrus.

De Soto.

Escambia.

Franklin.

Gadsden.

Hernando.

Hillsboro.

Holmes.

Jackson.

Jefferson.

Lafayette.

Lake.

Lee.

Leon.

Levy.

Liberty.

Madison.

Manatee.

Marion.

Monroe.

Pasco.

Santa Rosa.

Sumter.

Suwanee.

Taylor.

Wakulla.

Walton.

Washington.

GEORGIA

13. Coast Counties.*

Bryan.

Camden.

Chatham.

Glynn.

Effingham.

Liberty.

McIntosh.

Pierce.

Wayne.

Charlton.

LOUISIANA

21. Gulf Counties.*

Acadia.

Assumption.

Calcasieu.

Cameron.

Iberia.
 Iberville.
 Jefferson.
 Lafayette.
 Lafourche.
 Orleans.
 Plaquemines.
 St. Charles.
 St. Bernard.
 St. James.
 St. John the Baptist.
 St. Mary.
 St. Martin.
 St. Tammany.
 Terrebonne.
 Vermilion.

MISSISSIPPI

28. Gulf Counties.*

Hancock.
 Harrison.
 Jackson.
 Pearl River.

29. Delta Counties.*

Bolivar.
 Coahoma.
 Issaquena.
 Leflore.
 Sharkey.
 Sunflower.

Quitman.
 Tallahatchie.
 Tunica.
 Warren.
 Washington.
 Yazoo.

TEXAS

49. Gulf Counties.*

Aransas.
 Bee.
 Brazoria.
 Calhoun.
 Cameron.
 Chambers.
 Fort Bend.
 Galveston.
 Goliad.
 Hardin.
 Harris.
 Hidalgo.
 Jackson.
 Jefferson.
 Liberty.
 Matagorda.
 Nueces.
 Orange.
 Refugio.
 San Patricio.
 Victoria.
 Wharton.

At the request of several companies the Committee are prepared to investigate the mortality on all policies issued in the years 1885 to 1908, inclusive, in the Habitat groups 0, 1, 4, 5, 11, 12, 13, 14, 21, 22, 28, 29, 30, 49 and 50. The supplying of this information is optional.

CAUSES OF DEATH

Deaths are required to be recorded in the symbols given in this list.

These causes of death are based upon the "International Classification of Causes of Sickness and Death," revised by the International Commission at the Session in Paris, July 1st to 3d, 1909, and issued and printed in 1910 by the Department of Commerce and Labor, Bureau of Census.

The left hand column gives the code number for use in the joint investigation and the definition. The right hand column gives the numbers of the corresponding diseases in the International Classification. For exact definitions Medical Directors can refer to the International Classification, copies of which will be furnished by the Committee.

Code No.	I. GENERAL DISEASES	International Classification	Code No.		International Classification
1.	Typhoid Fever.....	1	34.	Softening of the Brain.....	65
2.	Typhus Fever.....	2	35.	Paralysis without Specified cause.....	66
3.	Malaria.....	4-4a	36.	General Paralysis of the Insane	67
4.	Smallpox.....	5	37.	Other forms of Mental Alienation.....	68
5.	Influenza.....	10	38.	Epilepsy and Non-puerperal Convulsions.....	69-70
6.	Miliary Fever.....	11	39.	Other Diseases of the Nervous System.....	72-73-74
7.	Asiatic Cholera.....	12	40.	Diseases of the Eyes and their Annexa.....	75
8.	Cholera Nostras.....	13	41.	Diseases of the Ears.....	76
9.	Dysentery.....	14	III. DISEASES OF THE CIRCULATORY SYSTEM		
10.	Plague.....	15	42.	Pericarditis and Acute Endocarditis.....	77-78
11.	Yellow Fever.....	16	43.	Organic Diseases of the Heart..	79
12.	Erysipelas.....	18	44.	Angina Pectoris.....	80
13.	Other Epidemic Diseases	3-6-7-8 9-17-19	45.	Diseases of the Arteries, Atheroma, Aneurism, etc.....	81
14.	Purulent Infection and Septicæmia	20	46.	Embolism and Thrombosis....	82
15.	Mycoses.....	25	47.	Other Diseases of the Circulatory System.....	83-84-85
16.	Pellagra.....	26	IV. DISEASES OF THE RESPIRATORY SYSTEM		
17.	Tuberculosis of the Lungs.....	28	48.	Acute Bronchitis.....	89
18.	Other Varieties of Tuberculosis	29-30-31 32-33-34 35	49.	Chronic Bronchitis.....	90
19.	Syphilis.....	37	50.	Bronchopneumonia.....	91
20.	Gonococcus Infection.....	38	51.	Pneumonia.....	92
21.	Cancer and other Malignant Tumors.....	39-40-41 42-43-44 45	52.	Pleurisy.....	93
22.	Acute Articular Rheumatism...	47	53.	Asthma and Pulmonary Emphysema.....	96-97
23.	Chronic Rheumatism and Gout.	48	54.	Other Diseases of the Respiratory System—Tuberculosis excepted.....	86-87-88 94-98
24.	Diabetes.....	50	V. DISEASES OF THE DIGESTIVE SYSTEM		
25.	Anæmia and Chlorosis.....	54	55.	Ulcer of the Stomach.....	102
26.	Other General Diseases.....	21-22-23 24-27-36 46-49-51 52-53-55	56.	Other Diseases of the Stomach, Mouth, Pharynx, Oesophagus.....	99-100 101-103
27.	Alcoholism, Acute or Chronic..	56	57.	Diarrhœa and Enteritis.....	105
28.	Chronic Lead Poisoning.....	57	58.	Ankylostomiasis.....	106
29.	Other Chronic Poisonings.....	58-59	59.	Intestinal Parasites.....	107
II. DISEASES OF THE NERVOUS SYSTEM			60.	Appendicitis and Typhilitis....	108
30.	Inflammation of Brain and its Membranes.....	60-61 61a			
31.	Locomotor Ataxia.....	62			
32.	Other Diseases of the Spinal Cord.....	63			
33.	Cerebral Hemorrhage and Apoplexy.....	64			

Code No.	International Classification	Code No.	International Classification
61. Hernias, Intestinal Obstruction.	109	78. Other Diseases of the Skin and Annexa.....	143-144 145
62. Other Diseases of the Intestines.	110	IX. DISEASES OF THE BONES AND ORGANS OF LOCOMOTION.	
63. Cirrhosis of the Liver.....	113	79. Diseases of the Bones and Organs of Locomotion (Tuberculosis and Rheumatism excepted).....	146-147 148-149
64. Biliary Calculi.....	114	XII. OLD AGE	
65. Other Diseases of the Liver....	111-112 115	80. Senility	154
66. Simple Peritonitis, non-Puerperal.....	117	XIII. AFFECTIONS PRODUCED BY EXTERNAL CAUSES	
67. Other Diseases of the Digestive System, Cancer and Tuberculosis excepted.....	116-118	81. Suicide	155-156 157-158 159-160 161-162 163
VI. NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA		82. Burns and Conflagrations.....	166-167
68. Nephritis and Bright's Disease..	119-120	83. Accidental Drowning.....	169
69. Other Diseases of the Kidneys and Annexa.....	121-122	84. Traumatism in mines and quarries	173
70. Calculi of the Urinary Passage..	123	85. Traumatism by machines....	174
71. Diseases of the Bladder, Urethra and Prostate and non-Venereal Diseases of the Male Genitals.....	124-125 126-127	86. Other varieties of Traumatism.	170-171 172-175
72. Diseases of the Uterus, non-Puerperal and non-Cancerous }	128-129 130	87. Effects of cold, heat, lightning..	178-179 180
73. Cysts and Other Tumors of the Ovaries.....	131	88. Electricity (lightning excepted).	181
74. Salpingitis and other Diseases of the Female Genitals.....	132	89. Homicide.....	182-183 184
75. Non-Puerperal Diseases of the Breast (Cancer excepted)	133	90. Fractures, cause not specified..	185
VII. THE PUERPERAL STATE		91. Other external violence.....	164-165 168-176 177-186
76. Diseases of Pregnancy and the Puerperal State.....	134-135 136-137 138-139 140-141	XIV. ILL-DEFINED DISEASES	
VIII. DISEASES OF THE SKIN AND CELLULAR TISSUE		92. Ill-defined organic diseases....	187
77. Gangrene.....	142	93. Sudden death.....	188
		94. Cause of death not specified or ill-defined.....	189

DESCRIPTION OF HOLLERITH CARDS

Two cards have been prepared, one for the general investigation and the other for the special investigation by height and weight. The card for the former has been arranged in the following way:

The first thirty-one columns, i. e., those up to the first heavy black line, provide all that is necessary for the joint investigation, with the exception of a few groups which will be referred to later. The next nine columns, i. e., those between the two heavy black lines, cover data which probably all the companies would require in making additional mortality investigations, and which may be desired in some future investigation by the two Societies. The last five columns are reserved for the requirements of the individual companies, some companies having decided to use the two-column field (i. e., the next to the last field) for a more detailed description of the Insured's habitat or residence.

The figures in the first column are to be combined with those in a square at the top of the second and third columns in designating the code number of the company. That can be punched by the companies, or left to the Committee, the latter being more economical, as the work can be done by "gang" punches which perforate 15 cards at a time.

POLICY NUMBER

Provision is made for seven figures in the policy number. If it is deemed to be of assistance to the clerks in future work, the policy number may also be written at the side or at the top.

AGE AT ISSUE

This covers integral ages only, the age at issue to be taken to nearest birthday.

YEAR OF ISSUE

The last two figures of the year of issue are desired, the month and the day having been omitted, as they are not necessary for mortality purposes.

DURATION

It is intended to show integral years only in recording the duration, the rule being given under "Instructions and General Information." When the policies are in force at the anniversaries in 1909 (the date of termination of the investigation) the duration is not to be punched, as it is obtained by sorting the cards by year of issue.

The "X" at the top of the column is provided to allow the perforating machine to skip one or more columns. If the policy is in force at its anniversary in 1909 the duration, cause of termination and cause of death are not required, so the perforating machine is arranged to skip from the first column of the duration field to the first column of the occupation field by punching the "X" in the former.

CAUSE OF TERMINATION

This is indicated by "CSE" "TRM" at the top of the column between the numbers 11 and 12. The card provides for 12 modes of termination.

CAUSE OF DEATH

The code provided by the Committee covers 94 causes of death. If additional code numbers above 100 are desired by individual companies provision may be made by means of an artifice which will be described under the heading of "Impairments."

OCCUPATIONS

The Committee has reserved the first 100 numbers of the code for the occupations to be investigated at this time. A code has also been furnished for numbers 100 to 199, the use of which is optional. That leaves 800 code numbers for the individual needs of each company.

SPECIAL CLASS

This column enables us to record the four groups of women and the two groups of colored risks. The abstracting of the data regarding Japanese, Chinese and Indians is optional.

IMPAIRMENTS

The next 9 columns provide for three different impairments with accompanying symbols (K, A, B, C, etc.) to designate the time elapsed since the duration of the attack, etc. The Committee desires to investigate 76 classes of medical impairments. A list of 23 additional impairments, Nos. 77 to 99, have been provided, the recording of which is optional.

By means of 11 at the head of the unit column the cards may be sorted by the switch known as a "split," making it possible to provide for 200 impairments in each field. Thus, 0 to 99 and 11 with 0 to 99. If any company wishes to provide for more than 100 medical impairments it may do so by the switch or by adding 12 above the "X" and 12 above the 11, thereby providing for 132 code numbers. The latter method is considered better than using the "split," when only a small number of additional medical impairments is to be coded. The same means may be taken to extend the code for the Cause of Death, and in the two last fields in the card.

The "Y" at the top of the last column of the third Impairment field is to be punched if there are more than three impairments. In such cases the additional impairments are to be noted in writing in code number above the word "Impairments."

BUILD

The sheet giving the Committee's table of heights and weights also shows the 10 groups into which the cases are to be divided. For example, an insured who was at date of examination 5 feet 6 inches and weighed 175 pounds, would be in group 2 and would have that code number, **irrespective of age or sex**. If the build is not to be recorded, "X" should be punched. The "Y" at the head of the column is reserved for the use of individual companies.

The foregoing columns (31) cover all that is required for the Medico-Actuarial Investigation, with the exception of the data pertaining to Joint Life Policies (recorded under "Kind of Policy" code), and to habitat in the case of the impairment of malaria (recorded under "Habitat" code). With these exceptions the recording of the statistics in the following nine columns is optional.

KIND OF POLICY

This provides 1,000 numbers for the kind of policy, the Committee requesting each company to give information in classes 80 to 83, inclusive, relating to Joint Life Policies. They also recommend that the companies abstract from their records the data necessary to fill out the code provided by the Committee for the first 100 numbers.

AMOUNT OF INSURANCE

This provides for the amount of insurance to the nearest \$100. Policies therefore can be recorded up to \$999,900.

HABITAT

The Committee requests the habitat to be given in the cases of medical impairments Nos. 36, 37 and 38, otherwise the use of the code is optional. The Committee recommends that the remainder of the 100 code numbers be reserved for foreign countries, and that the two-column field following be used for counties, cities or localities in the various States, Provinces and Countries.

"Skips" have been provided in the three fields of Kind of Policy, Habitat and Amount of Insurance, so as to facilitate the work when it is not desired to record the data.

The foregoing columns cover all the classes which the Committee desires for the present investigation or which they recommend the companies to prepare for their own use for possible future investigation. The last 5 columns may be used by the companies in any way they deem fit. Some may desire to tabulate the County or City in which the Insured resides, others the "General Agents" or the rated-up age, and so on.

SPECIAL CARD FOR BUILD (HEIGHT AND WEIGHT)

"Build" cards have been provided for preparing a Standard Table of Heights and Weights and for determining the Influence of Build on Longevity. There is nothing which needs explanation in the card with the possible exception of the columns headed Height and Weight—the former should be taken to the nearest inch (see Rule X regarding fractions of an inch) and the latter to the nearest pound. The data for the column headed "BLD" are to be prepared in exactly the same way as for the corresponding column in the general card, the general and the build cards being identical for the first 17 columns. The next to the last column in the build cards (M and F) enables us to segregate the cards on the lives of women, while the last column (B and S) facilitates the division of the two kinds of build cards—see explanation on section headed "A New Standard Table of Heights and Weights."

SPECIMENS OF FORMS USED IN RECORDING THE DATA

[illegible]

MEDICO-ACTUARIAL MORTALITY INVESTIGATION

BUILD SHEET

Company Number-

Year of Issue.

ISSUES OF JANUARY, 1885, 1887, ETC., TO 1899 INCLUSIVE AND OF JULY, 1886, 1888, ETC., TO 1900 INCLUSIVE—ALL BUILDS

[illegible]

BUILD SHEET

Company Number

Year of Issue-

BUILD GROUPS 3, 4, 5, 7, 8 AND 9 ONLY. ISSUES OF 1885 TO 1908 INCLUSIVE [EXCLUDING CASES ISSUED IN JANUARY OF ODD YEARS AND JULY OF EVEN YEARS 1885 TO 1900 INCLUSIVE]

[illegible]

MEDICO-ACTUARIAL MORTALITY INVESTIGATION

POLICY SHEET

Company Number.

Year of Issue.

[illegible]

MEDICO ACTUARIAL MORTALITY INVESTIGATION
Build Card—Issues of One Month in Years
1885 to 1900

10 30	Policy Number		Age Issue	Year Issue	Duration	12 Cause Death	11 Height	Weight	Y BLD		
X 2040					X	11	10 FT IN		X		
0	0	0	0	0	0	0	0	0	0		
1	1	1	1	1	1	1	1	1	1	M	B
2	2	2	2	2	2	2	2	2	2	F	S
3	3	3	3	3	3	3	3	3	3		
4	4	4	4	4	4	4	4	4	4		
5	5	5	5	5	5	5	5	5	5		
6	6	6	6	6	6	6	6	6	6		
7	7	7	7	7	7	7	7	7	7		
8	8	8	8	8	8	8	8	8	8		
9	9	9	9	9	9	9	9	9	9		

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MEDICO ACTUARIAL MORTALITY INVESTIGATION
Special Build Card—Overweights and Underweights,
1885 to 1908

10 30	Policy Number		Age Issue	Year Issue	Duration	12 Cause Death	11 Height	Weight	Y BLD		
X 2040					X	11	10 FT IN		X		
0	0	0	0	0	0	0	0	0	0		
1	1	1	1	1	1	1	1	1	1	M	B
2	2	2	2	2	2	2	2	2	2	F	S
3	3	3	3	3	3	3	3	3	3		
4	4	4	4	4	4	4	4	4	4		
5	5	5	5	5	5	5	5	5	5		
6	6	6	6	6	6	6	6	6	6		
7	7	7	7	7	7	7	7	7	7		
8	8	8	8	8	8	8	8	8	8		
9	9	9	9	9	9	9	9	9	9		

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MEDICO ACTUARIAL MORTALITY INVESTIGATION

10 30	Policy Number		Age Issue	Year Issue	Duration	12 Cause Death	Occupation	12 SPL CLS	IMPAIRMENTS			Y BLD	Kind of Policy	Amount of Insurance	Habitat			
X 2040					X	11	X	11	1st	2d	3d	X	X	X	X	X	X	X
0	0	0	0	0	0	0	0	0	K	K	K	K	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	A	A	A	A	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	B	B	B	B	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	O	O	O	O	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	D	D	D	D	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	E	E	E	E	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	F	F	F	F	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	G	G	G	G	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	H	H	H	H	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	J	J	J	J	9	9	9	9	9	9

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