CURRENT POPULATION REPORTS

Consumer Income

Series P-60, No. 139

Lifetime Earnings Estimates for Men and Women in the United States: 1979

U.S. Department of Commerce
BUREAU OF THE CENSUS

CURRENT POPULATION REPORTS

Consumer Income

Series P-60, No. 139
Issued February 1983

Lifetime Earnings Estimates for Men and Women in the United States: 1979

U.S. Department of Commerce
Malcolm Baldrige, Secretary
Guy W. Fiske, Deputy Secretary
Robert G. Dederick, Under Secretary for Economic Affairs

BUREAU OF THE CENSUS
Bruce Chapman,
Director

Contents

	Page
Introduction	1
Estimates of lifetime earnings	2
Men	2
Women	3
Methodology	6
Yearly employment rates	6
Mean earnings	9
Limitations	9

TEXT TABLE

Expected lifetime earnings in 1979 for all persons and for year-round, full-time workers, by years of school completed, selected age groups, and sex . . . 3

CHARTS

Figure

1. Lifetime earnings estimates in 1979 for men, by years of school completed and age . . . 4
2. Lifetime earnings estimates in 1979 for women, by years of school completed and age . . 4
3. Lifetime earnings estimates in 1979 for men working year round full time, by years of school completed and age . . . 5
4. Lifetime earnings estimates in 1979 for women working year round full time, by years of school completed and age . . . 5
5. Comparison of annual employment rates in 1970 to 1979 for men and women 25 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 7
6. Comparison of annual employment rates in 1970 to 1979 for men and women 35 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 8
7. Comparison of mean earnings in 1970 to 1979 for men and women 25 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 10
8. Comparison of mean earnings in 1970 to 1979 for men and women 35 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 11

DETAILED TABLES

1. Expected lifetime earnings in 1979, for men 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates . . . 12

DETAILED TABLES—Continued

Page

2. Expected lifetime earnings in 1979, for women 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates. 15

3. Expected lifetime earnings in 1979, for male year-round, full-time workers 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates. 18

4. Expected lifetime earnings in 1979, for female year-round, full-time workers 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates. 21

APPENDIXES

Appendix A. Definitions and Explanations 25

Appendix B. Detailed Supplementary Tables. 27

Appendix C. Source and Reliability of Estimates. 31
Source of data 31
Reliability of estimates 31
Standard errors for estimates of lifetime earnings 33

Selected References. 37

APPENDIX TABLES

B-1. Mean earnings in 1979, for all workers and year-round, full-time workers 18 to 64 years old, by years of school completed, age, and sex 28

B-2. Projected yearly employment rates, for selected years from 1979 to 2025, for all men of specified age in 1979, by years of school completed and selected age groups. . . 29

B-3. Projected yearly employment rates, for selected years from 1979 to 2025, for all women of specified age in 1979, by years of school completed and selected age groups. 30

C-1. Standard errors for mean annual earnings for all persons and year-round, full-time workers, by single years of age within designated age groups, years of school completed, and sex. 34

C-2. Factors applied to standard errors for estimated lifetime earnings to adjust for discount and productivity rate assumptions. 35

C-3. Illustration of the calculation of a standard error for estimated lifetime earnings . 36

SYMBOLS USED IN TABLES

-	Represents zero or rounds to zero.
B	Base less than 75,000.
NA	Not available.
X	Not applicable.

Lifetime Earnings Estimates for Men and Women in the United States: 1979

INTRODUCTION

Almost everyone has asked themselves at one time or another, "How much money will I make in my lifetime?" Most have probably attempted to estimate this amount by multiplying their current annual earnings or some expected annual earnings by the number of years they plan to work. Using a more sophisticated approach this report presents estimates of expected lifetime earnings based on data collected in the March Current Population Survey (CPS). These expected lifetime earnings data, while somewhat speculative in nature, provide a scientific basis for examining expected future earnings at specified ages and differences in future earnings at various educational attainment levels.

While the Bureau of the Census has published expected lifetime earnings and income estimates in the past (the latest report issued in 1974 was Current Population Reports, Series P-60, No. 92), this report differs from these previous efforts in several respects. First, estimates of annual rates of employment by age have been incorporated into the procedures. Introduction of these probabilities of employment have improved on past estimation techniques since in past studies these employment rates were assumed to be 100 percent for all ages between 18 and 64 years. Second, estimates of the expected lifetime earnings for women were instituted for the first time. These estimates for women have been avoided in the past because their attachment to the work force is far less permanent than that of most men. However, because of widespread interest and numerous requests, we have developed estimates for women as well as for men. The reader is cautioned that the estimates for men and women are not directly comparable for a number of reasons, most of which are discussed later in this report.

The lifetime earnings estimates presented here are expected or average amounts based on cross-sectional earnings data by age, sex, and educational attainment for the years 1978, 1979, and 1980. Data for these three years were averaged in order to obtain a sample size large enough to support this study. The cross-sectional data reflect both current employment and earnings conditions and past social, demographic, and economic conditions that have led to the differences in earnings levels for persons of different ages, sexes, and educational attainment levels. Use of the cross-sectional earnings data assumes that current relationships are representative of the future. Therefore, the accuracy of these estimates is dependent on how closely these past trends reflect changes in the earnings levels over the next 50 years. The limitations section discusses the important assumptions required to develop these estimates and other considerations which should be noted before examining the data in detail.

The estimates represent the expected lifetime earnings from the specified age through age 64. It was assumed that persons did not begin working for pay until age 18 and ceased working at age 65. The estimates are shown for men and women for each age between 18 and 64 years. They are also shown for five educational attainment categories: less than 12 years, 12 years (high school), 1 to 3 years of college, 4 years of college, and 5 years or more of college.

Separate estimates have been provided for year-round, full-time workers. These estimates assume 100-percent employment rates for all ages between 18 and 64 years and are based on the mean earnings of year-round, full-time workers during the 1978-80 period.

The estimates of lifetime earnings are shown in terms of "present value" (constant 1981 dollars). Because the earnings estimates have been made for dollars to be received in the future, they have been discounted to present value by selected "real" interest rates (the difference between nominal interest rates and the rate of inflation). The values, therefore, can be thought of in terms of 1981 consumer prices. In addition to selected discount rates, the lifetime earnings estimates are shown by selected productivity rates. These rates represent the growth in real earnings after adjusting

for inflation. Each combination of discount and productivity rates yields a somewhat different estimate of expected lifetime earnings. The users must choose the combination of productivity and discount rates which they feel is most appropriate for their purpose.

ESTIMATES OF LIFETIME EARNINGS

The estimates of lifetime earnings[1] in this report represent the amounts, on average, that individuals with a specified set of characteristics can expect to earn in their lifetimes. The detailed tables contain national estimates for both men and women by educational attainment level and amount of annual work experience. The lifetime earnings for a specific individual may differ significantly from these group averages. Some factors which can help explain the differences between individual earnings levels are not available from the March CPS. These include the continuity of work experience over time, the type and quality of education and training, and motivation. Others, such as location of residence and occupation, are available, however, the sample size was too small to allow tabulations based on this information. Use of these additional variables would not change the overall estimates presented here, however, it would allow the derivation of estimates for more specific groups of the population.

Because we were unable to tabulate lifetime earnings estimates by some of the more detailed factors noted above, these estimates cannot be used to relate the difference between men's and women's lifetime earnings to issues such as discrimination, and differences in returns to education. These kinds of comparisons should be based on statistics for persons with similar educational backgrounds, occupations, and previous work experience.

Both occupation and the continuity of lifetime work experience have been shown to be important determinants of annual earnings levels in a study by Stevens and Herriot, "Current Earnings Differentials of Men and Women: Some Exploratory Regression Analyses," published in the American Statistical Association Proceedings of the Social Statistics Section, 1975. In this analysis, current occupation and breaks in employment over the working life were significant variables in a model designed to predict annual earnings levels for both men and women. Women with a potential of 20 years or more of work experience since age 25 had 13 percent lower annual earnings in 1972 if breaks of 2 to 4 years in employment occurred and 19 percent lower earnings if breaks of 5 or more years occurred. Men's earnings were also affected by similar interruptions. Comparable figures for men were 21 percent and 29 percent, respectively. If the future profile of the labor force's continuous work history changes from that of the current working population, the overall lifetime earnings estimates would be affected. This factor is especially important for women because much larger proportions of these workers experience significant breaks in employment. Current occupation is also a significant determinant of annual earnings levels, as shown by the study cited above. Any shift in the distribution of workers by occupation may also affect the estimates of lifetime earnings reported here.

The estimates in this report are useful for projecting a lifetime earnings stream, given that the future experiences of an individual are unknown. For example, the future earnings of a recent college graduate would depend on many decisions concerning marriage, career goals, family responsibilities, and family income requirements, as well as educational background, location, and job availability. The estimates here reflect the combined effect of these decisions and circumstances for the current labor force and provide an estimate for average or expected lifetime earnings.

The information in this report is also very useful in court settlements involving negligent death since it is not known what the individual's work experience and earnings would have been. It may also help to show, on average, the added value of a high school diploma or college degree.

Summaries of the expected lifetime earnings estimates by sex and work experience for selected years of school completed and for selected ages appear in the text table and in figures 1 through 4. These estimates are presented in constant 1981 dollars. They reflect the assumption of zero growth in productivity and have not been discounted (discount rate of zero).

Men

On the average, a man with a high school education will earn about $861,000 from age 18 to 64. This estimate compares to about $1,190,000 for men completing 4 years of college and $1,301,000 for men with 5 or more years of higher education. In contrast, men with less than 12 years of school will earn an average of $601,000 between age 18 and 64. Estimates restricted to men working year round full time during the 1979-81 period show that these workers have substantially higher expected lifetime earnings. These workers with a high school education will earn an average of $1,041,000. Year-round, full-time men with 4 years of college can expect earnings averaging about $1,392,000.

[1]The estimates of lifetime earnings in this section assume a discount rate and annual productivity rate of 0.0 percent.

Since these estimates assume a zero growth rate for productivity, any increase in productivity would result in higher estimated lifetime earnings.

Women

Women completing 4 years of high school will earn an average of $381,000, about 27 percent less than the estimate of $523,000 for women completing 4 years of college. Lifetime earnings estimates based solely on data for year-round, full-time workers indicate that these workers will earn, on average, about $634,000 and $846,000 for high school and 4-year college graduates, respectively.

Estimates of lifetime earnings for year-round, full-time workers have been based on the earnings levels of persons with many different lifetime work histories. If estimates could be derived for persons working continuously (or nearly so) throughout their working lives, lifetime earnings estimates for this specific group would be higher. This factor is more important for women than for men since women experience more breaks in employment during their working lives than men.

Expected Lifetime Earnings in 1979 for All Persons and for Year-Round, Full-Time Workers, by Years of School Completed, Selected Age Groups, and Sex

(Expected lifetime earnings in thousands of 1981 dollars. Based on discount rate and annual productivity rate of 0.0 percent)

Age and sex	Less than 12 years	High school 4 years	College		
			1 to 3 years	4 years	5 years or more
MALE					
All Persons					
18 years old	$601	$861	$957	$1,190	$1,301
25 years old	563	803	918	1,165	1,273
35 years old	441	524	736	956	1,065
45 years old	283	401	483	639	715
55 years old	121	178	230	298	352
Year-Round, Full-Time Workers					
18 years old	$845	$1,041	$1,155	$1,392	$1,503
25 years old	776	954	1,075	1,329	1,444
35 years old	614	750	864	1,097	1,196
45 years old	410	501	586	762	820
55 years old	203	249	297	388	422
FEMALE					
All Persons					
18 years old	$211	$381	$460	$523	$699
25 years old	188	330	411	474	673
35 years old	134	235	293	335	512
45 years old	77	145	175	207	316
55 years old	30	61	77	93	132
Year-Round, Full-Time Workers					
18 years old	$500	$634	$716	$846	$955
25 years old	437	567	630	772	900
35 years old	335	436	482	606	710
45 years old	222	300	316	434	470
55 years old	118	150	162	226	238

FIGURE 1. **Lifetime Earnings Estimates in 1979 for Men, by Years of School Completed and Age**

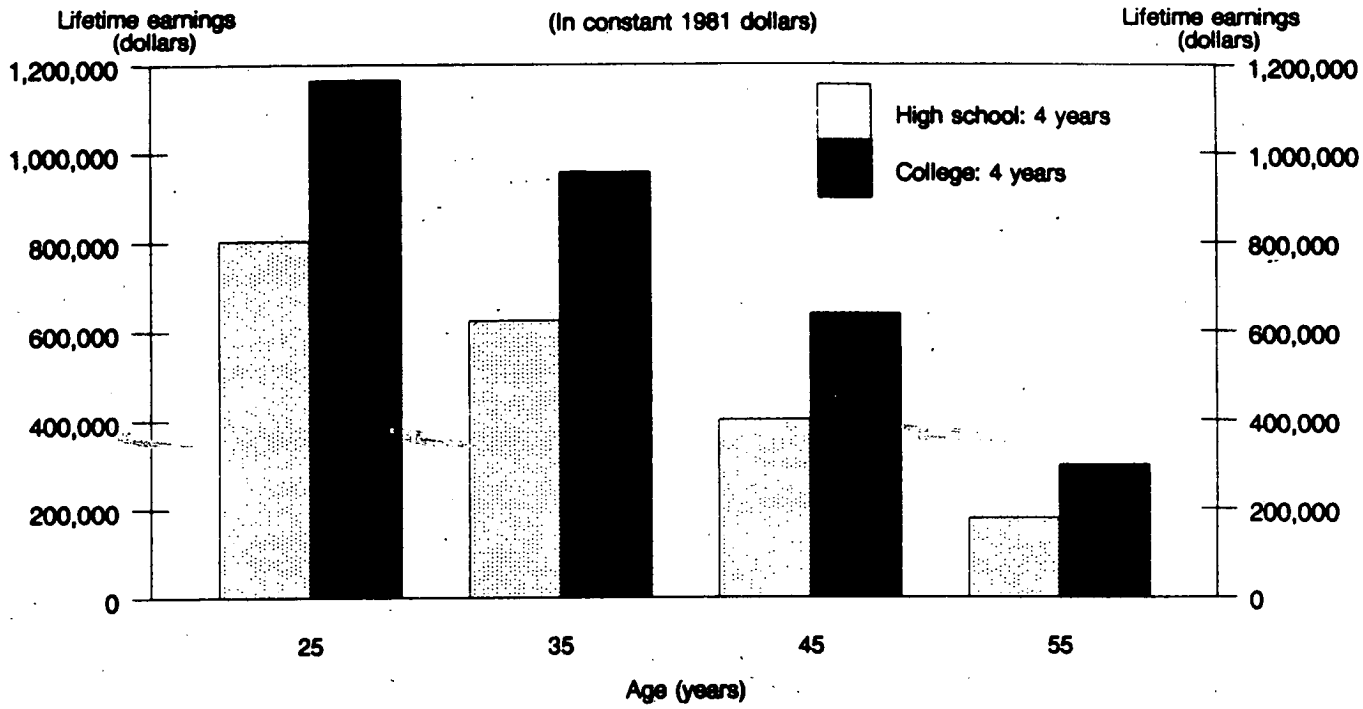


FIGURE 2. **Lifetime Earnings Estimates in 1979 for Women, by Years of School Completed and Age**

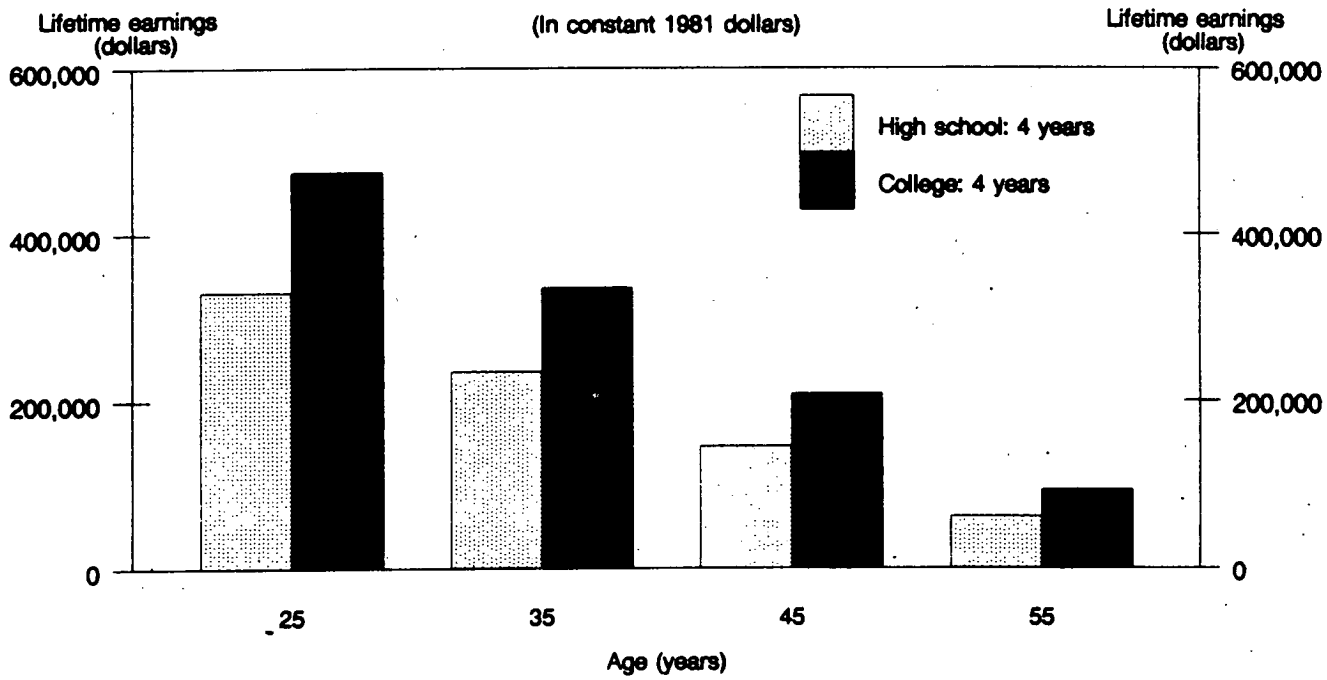


FIGURE 3. **Lifetime Earnings Estimates in 1979 for Men Working Year Round Full Time, by Years of School Completed and Age**

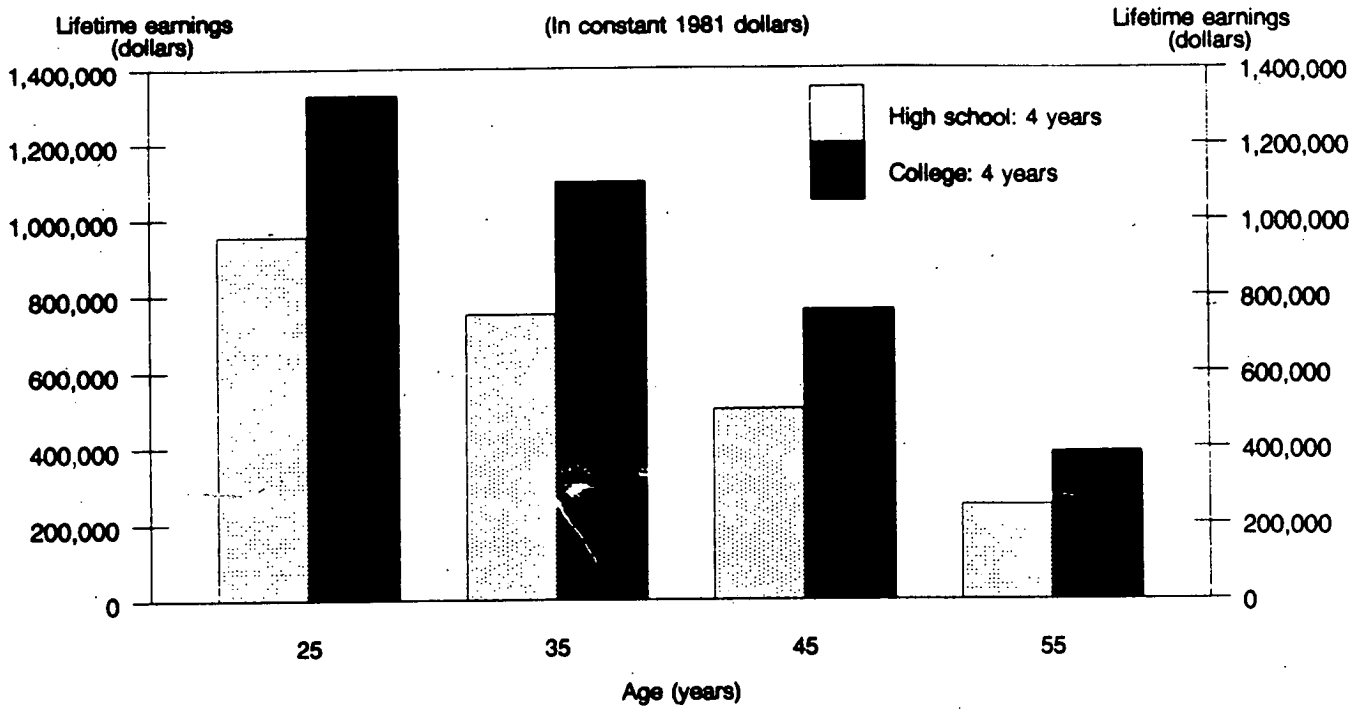
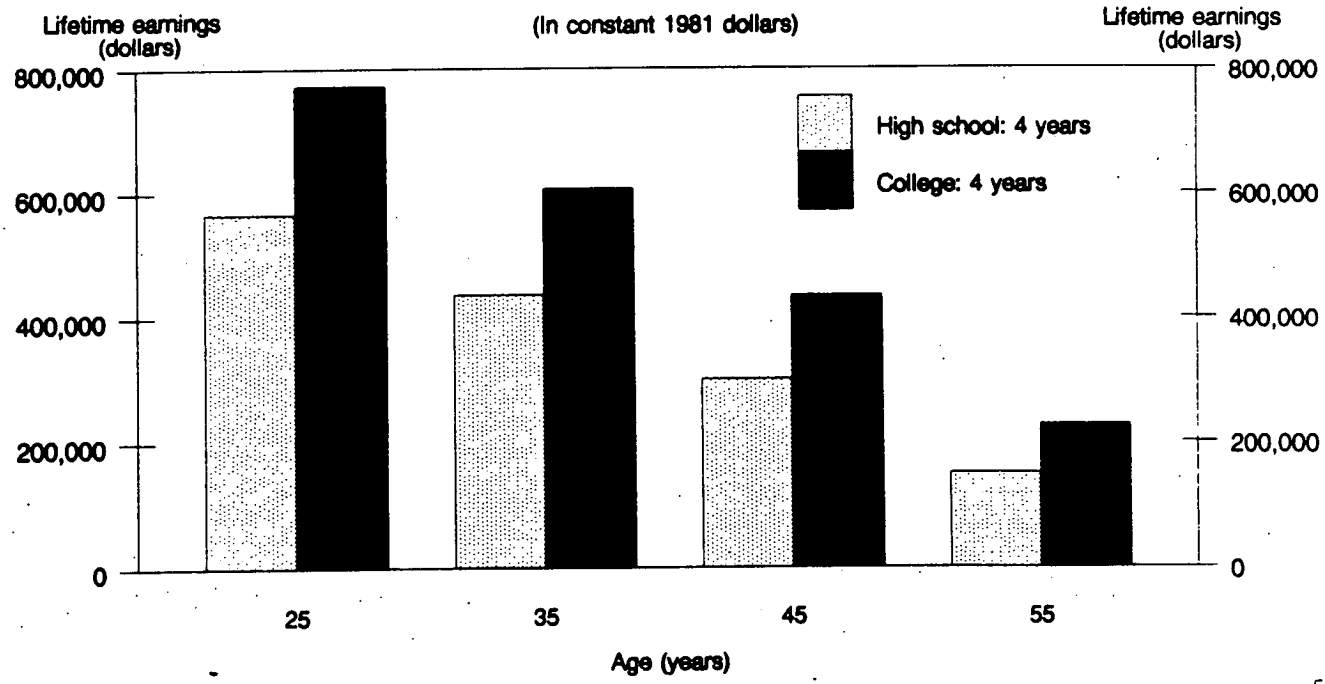


FIGURE 4. **Lifetime Earnings Estimates in 1979 for Women Working Year Round Full Time, by Years of School Completed and Age**



METHODOLOGY

Lifetime earnings estimates for persons were calculated by summing the product of 1) the mean earnings at each age from a specified age to age 64; 2) the probability of surviving to each age from the starting age; and 3) the probability of being employed at each age. These initial estimates derived in this manner were then adjusted to account for possible increases in annual productivity and finally discounted to present value (constant 1981 dollars).

The following formula describes the basic method used to prepare the estimates, showing the present value of the expected earnings from any given age through age 64.

$$PV_A = \sum_{N=A}^{64} \frac{Y_N \, P_N \, E_N \, C \, (1+X)^{N-A+\frac{1}{2}}}{(1+R)^{N-A+1}}$$

PV_A = The present value of the total sum of earnings received between a given age A and age 64.

Y_N = The average (mean) annual earnings at age N. These figures, 1979-centered earnings data, were derived by combining three March CPS files (1979, 1980, and 1981). Table B-1 of appendix B contains the mean earnings by single years of age, educational attainment, and sex used in the calculation of the lifetime earnings estimates.

P_N = The relative number of survivors at age N of those alive at age A. The underlying data are presented in Vital Statistics of the United States, Vol. II, Section 5, Life Tables (1978).

E_N = The predicted yearly employment rate at age N for a given age A. Tables B-2 and B-3 in appendix B contain predicted yearly employment rates for selected ages by educational attainment and sex. Each row in these tables contains predicted employment rates for cohorts of a given age in 1979.

C = Constant to convert 1979 lifetime earnings to constant 1981 dollars.

X = Assumed annual increase in earnings due to rising productivity. Four different values are used: 0.0 percent, 1.0 percent, 2.0 percent, and 3.0 percent. This factor is added to the equation to allow for the real growth in productivity. The exponent (N-A+½) assumes productivity growth to the midpoint of age N given age A.

R = The rate of discount used to convert future earnings to their present values. Three different rates of discount are used: 0.0 percent, 3.0 percent, and 5.0 percent. The exponent (N-A+1) assumes the discount rate for the year at age N given age A at the beginning of the year.

Yearly Employment Rates

For the first time the Bureau of the Census has incorporated yearly employment rates into the estimates of lifetime earnings. The inclusion of these rates is essential, particularly in the estimation of lifetime earnings for women. Previous reports on lifetime earnings, which did not consider yearly employment rates, tended to overestimate lifetime earnings. As indicated in tables B-2 and B-3 of appendix B, the projected yearly employment rates for women, while increasing significantly, are still considerably lower than those for men. For example, about 97 percent of men 25 years old in 1979 who completed college can expect to be employed at some time during the year 1990. Among women with the same education and age in 1979, about 83 percent are estimated to be employed in 1990.

The decision to use projections of yearly employment rates by age cohorts was based upon the expectation that future employment rates may differ significantly from current employment rates. If the last decade is any indication of future trends, this is, in fact, the case. For example, figures 5 and 6 compare annual employment rates from 1970 through 1979 using 1970 cross-sectional data and the actual age cohort data. While relatively small differences exist between yearly employment rates derived from the 1970 cross-sectional data and the actual cohort data for men, there is a definite trend toward increased employment rates for women. Employment rates for women based on 1970 cross-sectional data failed to reflect the significant increase in the percentage of women working during the 10-year period.

FIGURE 5. **Comparison of Annual Employment Rates in 1970 to 1979 for Men and Women 25 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**

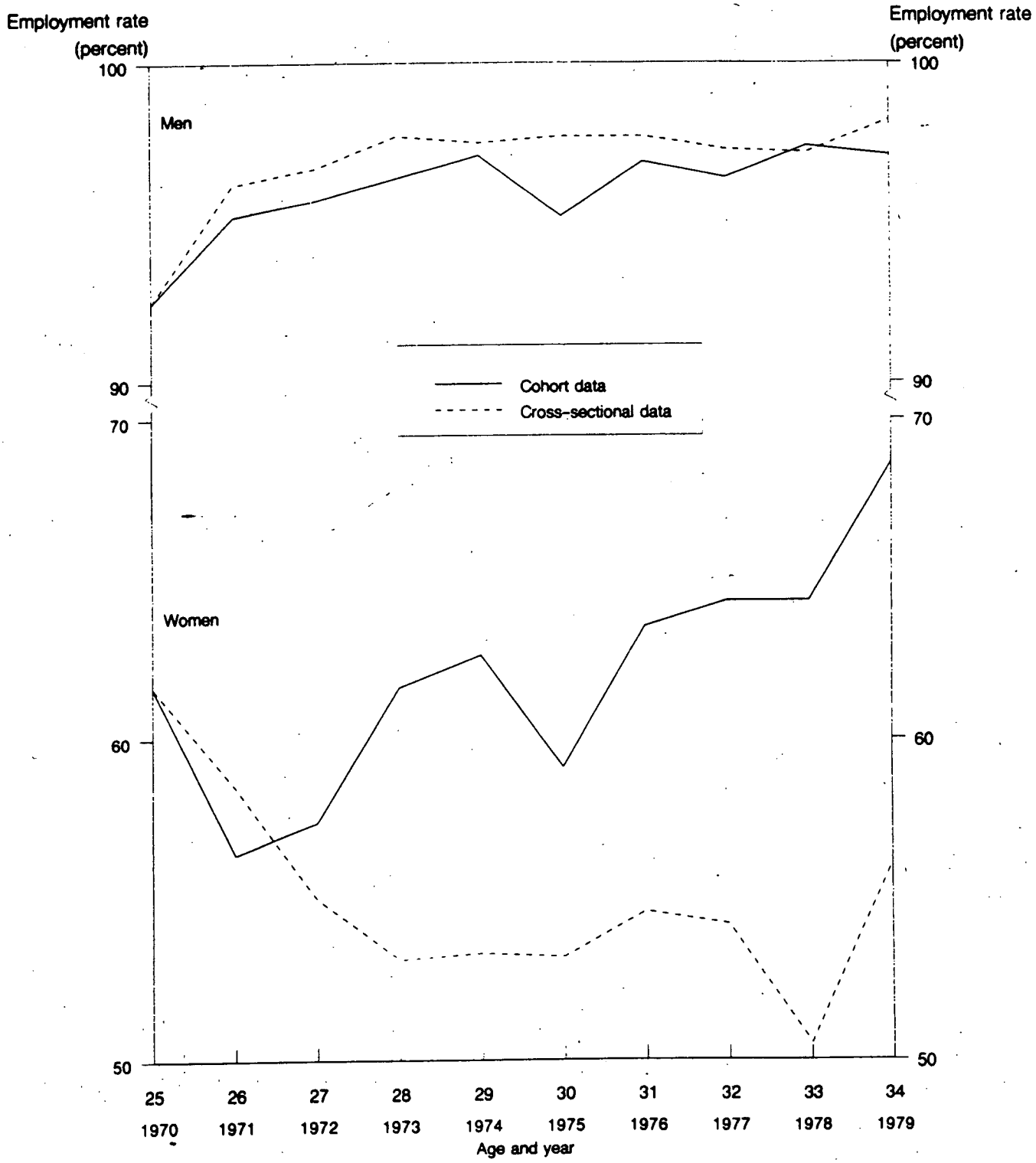
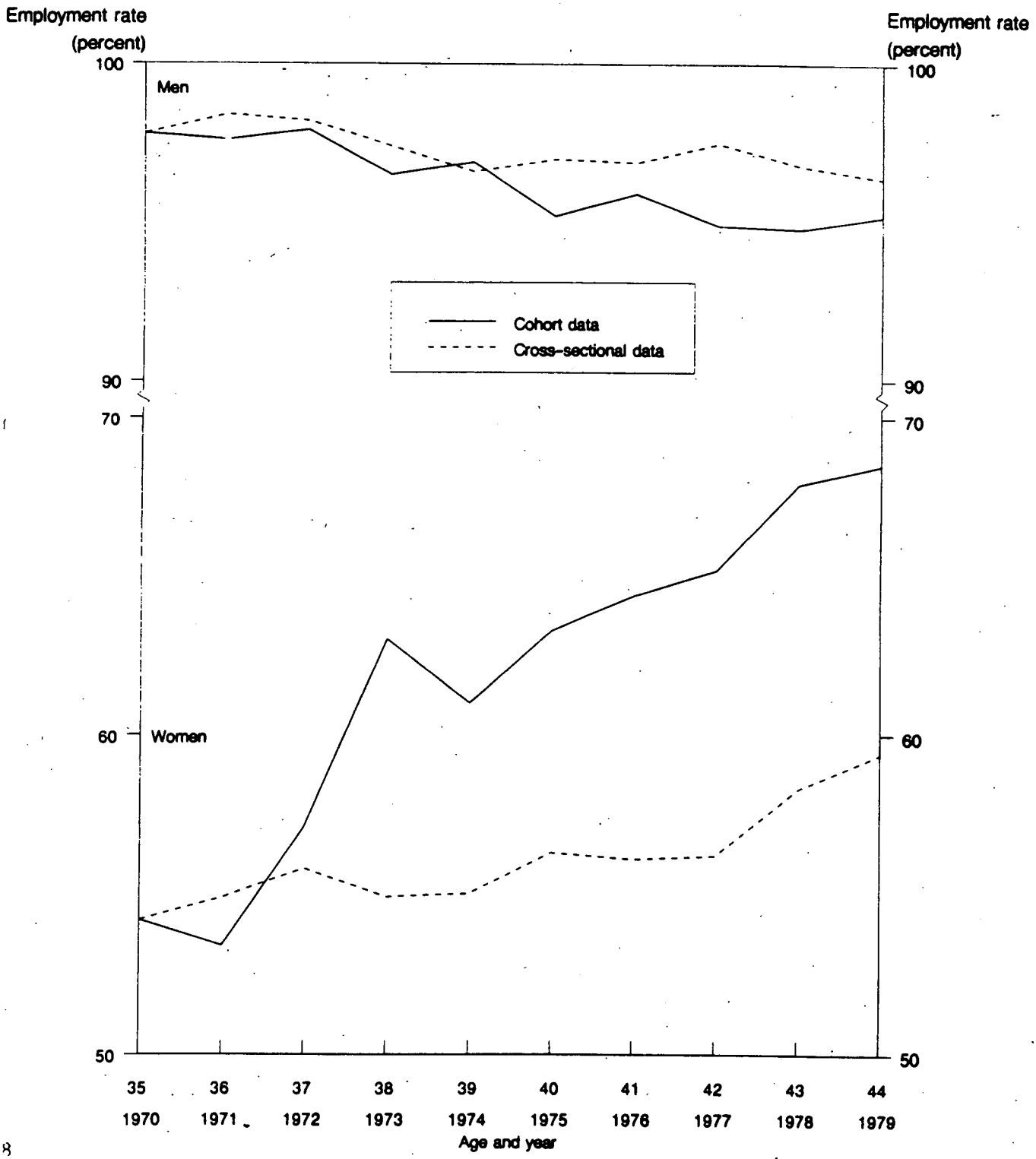


FIGURE 6. **Comparison of Annual Employment Rates in 1970 to 1979 for Men and Women 35 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**



Mean Earnings

The most critical assumption required in the estimation of lifetime earnings was that earnings levels during the 1978-80 period, i.e., cross-sectional data, be used to approximate future earnings patterns. In order to gain more insight into the validity of this assumption, data for each March CPS during the '70's were tabulated. The 1970 cross-sectional mean earnings data by age were then compared with the actual mean earnings for selected individual age cohorts. These comparisons are shown in figures 7 and 8. The charts compare mean earnings in constant 1970 dollars for men and women who were 25 and 35 years old in 1970. These charts indicate several important points. First, because the charts are in terms of constant dollars, any real growth in income during the 1970's would cause the cohort line to diverge on the upper side of the cross-sectional line. At the end point (1979)--this is the case for all four groups--the differences are relatively small. This is an indication of very little real growth in income for these groups during this period. Second, except for men, 35 years old, the cohort and cross-sectional lines are quite similar in shape and slope. Any wide divergence would be an indication that the cross-sectional data would be clearly inappropriate for estimating lifetime earnings. Comparisons of cross-sectional and cohort data indicate that the cross-sectional data can be used in the estimation process. The wide fluctuations for the 35-year-old male group may have resulted from sampling errors or from circumstances caused by the ending of the Vietnam Conflict.

LIMITATIONS

A number of important assumptions were required in the estimation of expected lifetime earnings. These assumptions, while permitting the calculation of lifetime earnings estimates, impose certain limitations on their use. The most important assumption, as indicated previously, is that current cross-sectional earnings data by age are representative of cross-sectional earnings data in the future and are, therefore, an adequate data base from which to make these estimates. There is truly no way to validate this assumption since we do not know the future. We have used cross-sectional data from 1970 and cohort data for the 1970-79 period in order to partially examine the appropriateness of using cross-sectional data to predict expected earnings for this 10-year period. This examination indicated that the cross-sectional data did reflect actual earnings trends during the 1970's. Following is a list of some other significant limitations:

1. A major factor affecting the accuracy of the lifetime earnings estimates is the projected yearly employment rates. These rates are an especially important component of the estimates for women. Yearly employment rates by age were estimated using projections of labor force participation rates developed by the Bureau of Labor Statistics. If these rates do not correspond to future trends, the lifetime estimates may be biased in some manner.

2. The selected discount and productivity rates serve to limit the range of estimates presented in the report. These rates, 0.0, 3.0, and 5.0 percent for the discount and 0.0, 1.0, 2.0, and 3.0 percent for the productivity rate, were selected to provide users with a set of "reasonable" combinations from which to choose. In the estimation procedure the specified rate was applied to each year and compounded. No attempt was made to project future trends or cyclical variations in these rates.

3. An integral part of the estimation procedures are adjustments of the earnings to reflect the probability of surviving from age A to age N. Thus, the estimates of lifetime earnings do not assume that a person lives from age 18 to 64. The survival probabilities were extracted from the life tables in Vital Statistics of the United States, 1978. Separate probabilities were applied for men and women, however, no differentiation was made between persons with differing educational attainment levels or between all persons and those working year round full time. While the rates between these groups may vary[2] or while current survival rates may not reflect future rates, given the speculative nature of the lifetime earnings estimates in this report, the significance of these differences is minor.

4. The lifetime earnings figures do not contain estimates of the value of various noncash or "fringe" benefits received by many workers. These include items such as employer- or union-provided private pension plans, group health insurance plans, and employer contributions for social insurance. The figures also exclude any estimates of the value of housework performed by either men or women.

---

[2]Evelyn Kitagawa and Philip M. Hauser, Differential Mortality in the United States, 1973 (American Public Health Association, Harvard University Press)

FIGURE 7. **Comparison of Mean Earnings in 1970 to 1979 for Men and Women 25 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**

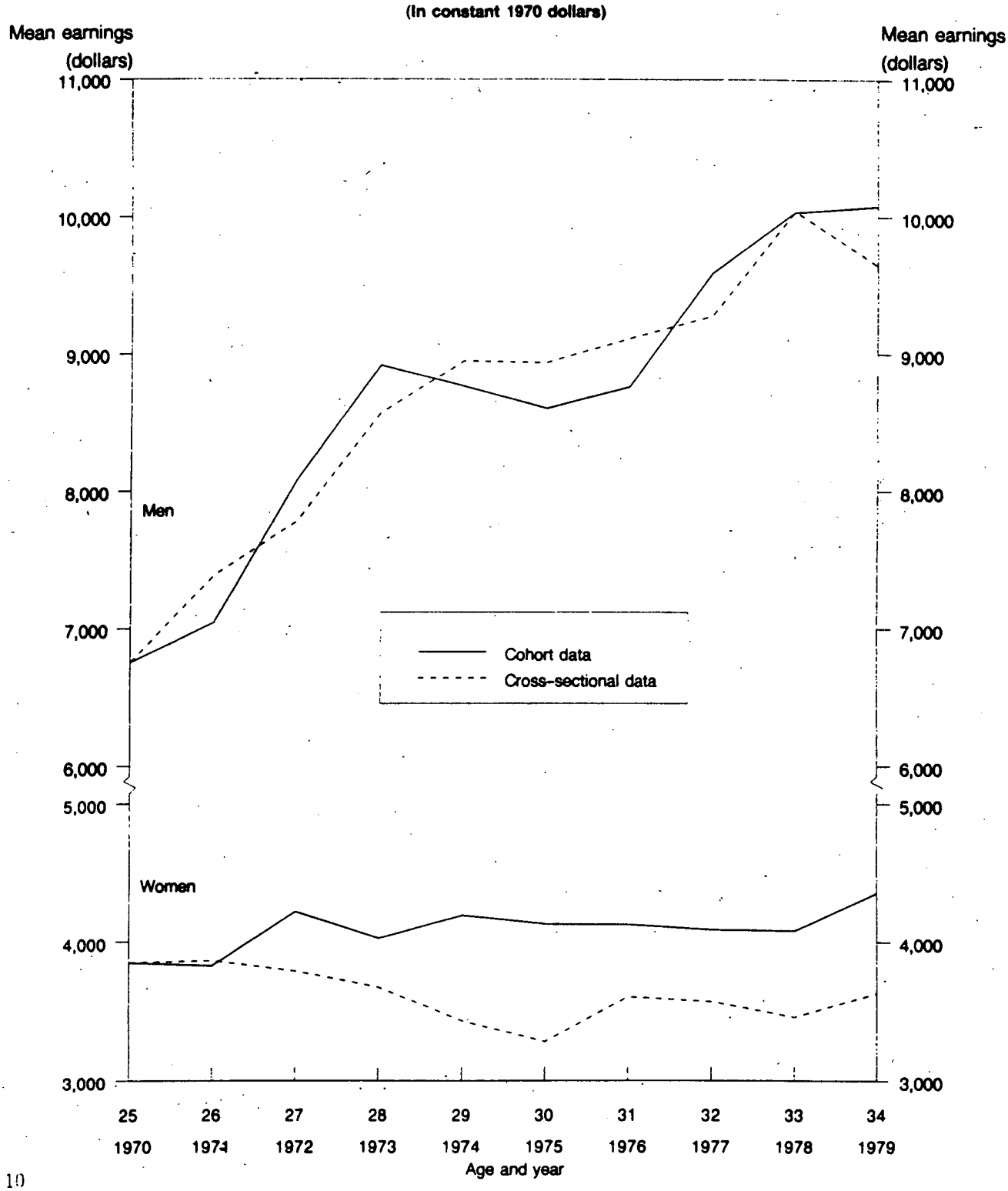


FIGURE 8. **Comparison of Mean Earnings in 1970 to 1979 for Men and Women 35 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**

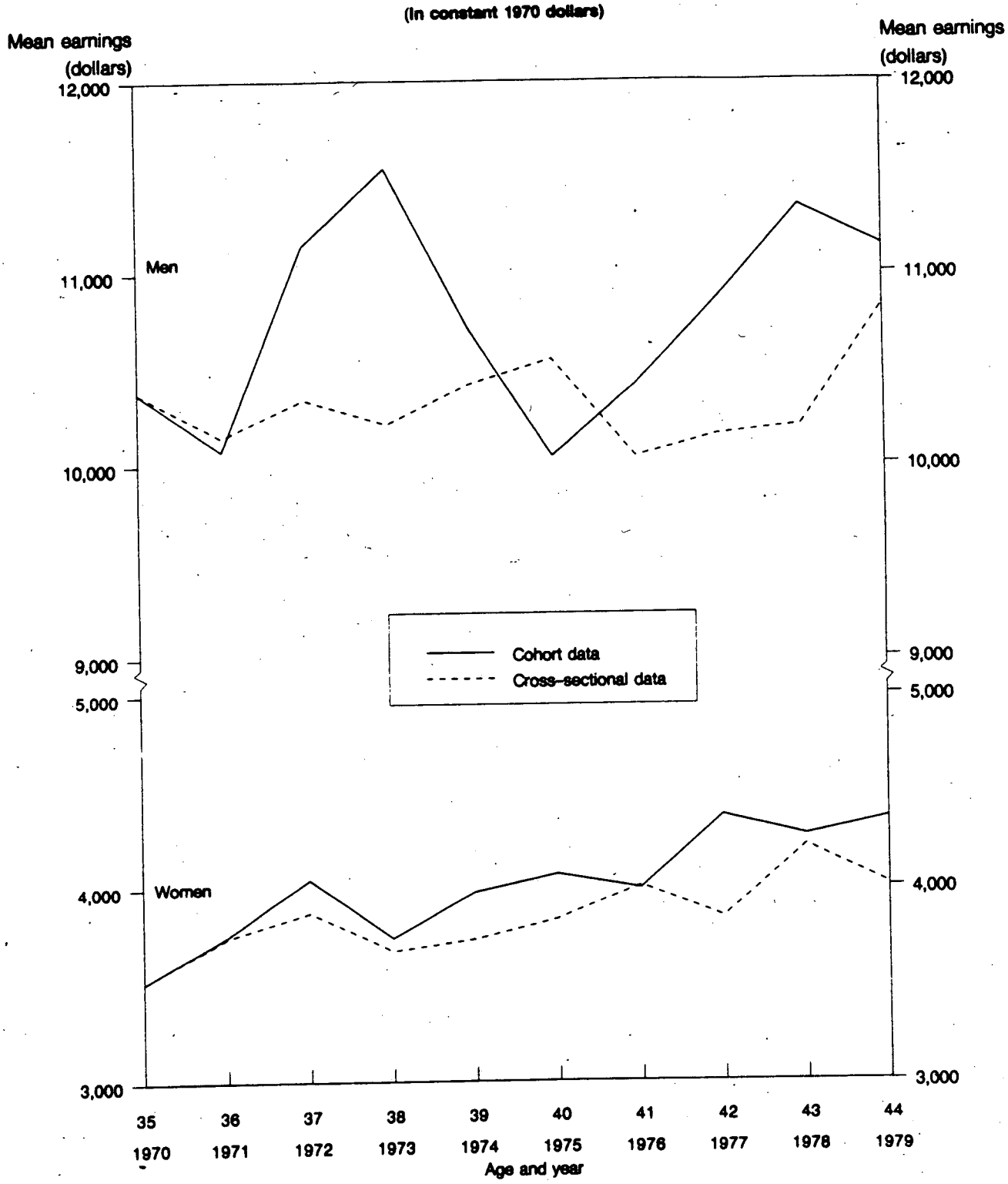


Table 1. Expected Lifetime Earnings in 1979, for Men 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	601	772	1 001	1 311	300	369	460	580	200	240	291	356
19 YEARS	600	763	981	1 273	308	376	464	579	208	248	298	362
20 YEARS	597	753	959	1 234	313	380	466	576	216	255	304	367
21 YEARS	593	741	937	1 194	318	383	466	572	221	260	309	370
22 YEARS	588	729	914	1 156	322	385	465	568	227	265	313	373
23 YEARS	581	716	890	1 117	325	386	464	562	232	269	316	374
24 YEARS	573	701	865	1 078	326	386	460	554	235	272	318	374
25 YEARS	563	685	840	1 038	326	384	456	545	237	273	318	372
26 YEARS	553	668	813	998	325	381	450	536	239	274	317	370
27 YEARS	542	651	787	959	324	378	444	525	240	274	316	367
28 YEARS	531	634	761	921	323	374	438	515	241	274	315	364
29 YEARS	518	614	734	882	319	369	429	503	240	272	311	358
30 YEARS	506	597	708	846	317	365	422	491	240	272	309	354
31 YEARS	494	579	682	810	314	360	414	480	240	270	307	350
32 YEARS	481	561	657	774	311	354	406	468	239	269	304	345
33 YEARS	469	543	632	740	307	349	397	456	239	267	300	340
34 YEARS	454	523	605	704	302	341	387	442	236	264	295	332
35 YEARS	441	505	581	672	298	335	378	429	235	261	292	327
36 YEARS	426	485	555	638	292	327	367	415	232	257	286	319
37 YEARS	409	464	528	603	284	317	355	399	227	251	278	309
38 YEARS	394	445	503	572	278	308	344	384	224	246	272	301
39 YEARS	380	426	479	541	271	300	332	370	220	241	265	293
40 YEARS	366	408	457	512	265	292	322	357	218	238	260	286
41 YEARS	349	388	432	482	257	281	309	341	212	231	252	275
42 YEARS	335	369	409	454	249	272	298	327	208	225	244	266
43 YEARS	319	350	386	426	241	262	285	312	202	218	236	256
44 YEARS	298	326	358	393	227	246	267	291	191	206	223	241
45 YEARS	283	308	336	368	219	236	255	277	186	199	215	231
46 YEARS	267	289	314	342	209	224	242	261	178	191	205	220
47 YEARS	251	271	292	316	198	213	228	245	171	182	195	209
48 YEARS	234	251	270	291	187	200	214	229	163	173	184	196
49 YEARS	217	232	248	266	175	187	199	212	153	162	173	183
50 YEARS	201	214	228	243	164	174	185	196	144	153	162	171
51 YEARS	187	198	210	223	155	164	173	183	137	145	153	161
52 YEARS	172	182	192	203	145	152	160	169	129	136	143	150
53 YEARS	154	162	171	180	131	138	144	151	118	124	129	135
54 YEARS	140	147	153	161	121	126	131	137	109	114	119	124
55 YEARS	121	126	132	138	105	109	114	119	96	99	103	108
56 YEARS	105	110	114	119	92	96	100	103	85	88	91	94
57 YEARS	92	95	99	102	81	84	87	90	75	78	80	83
58 YEARS	79	81	84	87	71	73	75	78	66	68	70	72
59 YEARS	66	68	70	72	60	62	63	65	57	58	60	61
60 YEARS	53	54	55	56	49	50	51	52	46	47	48	49
61 YEARS	41	41	42	43	38	39	39	40	36	37	38	38
62 YEARS	29	29	29	30	27	27	28	28	26	26	27	27
63 YEARS	18	19	19	19	18	18	18	18	17	17	17	18
64 YEARS	9	9	9	9	9	9	9	9	9	9	9	9
HIGH SCHOOL: 4 YEARS												
18 YEARS	861	1 104	1 430	1 872	432	531	660	830	289	346	419	512
19 YEARS	859	1 091	1 401	1 817	442	539	665	829	301	358	429	521
20 YEARS	855	1 076	1 370	1 761	451	545	667	825	311	367	438	527
21 YEARS	848	1 059	1 337	1 704	457	549	667	819	319	375	444	531
22 YEARS	838	1 040	1 303	1 647	461	550	664	810	326	380	448	533
23 YEARS	827	1 019	1 267	1 590	463	550	660	800	330	384	450	532
24 YEARS	815	997	1 231	1 534	465	549	655	789	335	388	452	532
25 YEARS	803	976	1 196	1 478	466	548	650	777	339	391	454	531
26 YEARS	788	952	1 159	1 422	465	544	642	764	342	392	453	528
27 YEARS	773	928	1 122	1 367	464	540	633	749	344	393	452	524
28 YEARS	757	903	1 084	1 312	461	535	624	734	345	392	450	519
29 YEARS	740	877	1 047	1 258	458	528	613	718	345	391	446	513
30 YEARS	722	851	1 010	1 206	454	[illegible]	603	701	345	390	443	507
31 YEARS	706	826	974	1 155	451	515	592	685	345	389	440	501
32 YEARS	687	800	937	1 104	446	507	580	668	344	386	435	494
33 YEARS	666	771	898	1 051	437	496	565	647	340	381	428	483
34 YEARS	645	743	860	1 001	430	485	550	627	337	375	420	473
35 YEARS	624	715	823	952	422	474	535	607	333	370	413	462
36 YEARS	602	686	785	903	412	461	519	586	328	363	403	450
37 YEARS	579	656	747	855	401	447	501	564	321	354	393	437
38 YEARS	556	627	711	808	390	433	484	541	314	346	382	423
39 YEARS	533	598	674	763	379	419	466	519	307	337	371	410
40 YEARS	510	570	639	719	367	405	448	497	300	328	359	396
41 YEARS	487	542	604	676	355	390	430	475	292	318	348	382
42 YEARS	466	516	572	637	344	377	414	455	285	310	338	369
43 YEARS	446	491	542	599	334	364	398	435	279	302	328	356
44 YEARS	423	464	509	560	321	348	379	413	270	291	315	341
45 YEARS	401	438	478	523	308	334	361	392	261	281	303	327
46 YEARS	379	411	447	487	295	318	343	371	252	270	290	312
47 YEARS	357	386	417	452	281	302	324	349	242	259	277	296
48 YEARS	335	360	387	418	267	286	306	327	232	247	263	280
49 YEARS	311	333	357	383	251	268	285	304	219	233	247	263
50 YEARS	287	307	327	350	235	249	265	282	206	218	231	245
51 YEARS	266	282	300	319	220	232	246	260	195	205	216	228
52 YEARS	243	257	272	288	203	214	225	238	181	190	200	210
53 YEARS	221	232	245	258	187	196	206	216	167	175	184	193
54 YEARS	198	208	218	229	170	177	186	194	153	160	167	175
55 YEARS	178	186	194	203	154	161	168	175	141	146	152	158
56 YEARS	157	164	170	177	138	143	149	154	126	131	136	141
57 YEARS	137	142	147	152	121	125	130	134	112	116	119	123
58 YEARS	117	121	125	129	105	108	112	115	98	101	104	107
59 YEARS	99	102	105	107	90	92	95	97	85	87	89	91
60 YEARS	79	81	83	85	73	74	76	78	69	70	72	73
61 YEARS	61	62	63	64	56	57	58	60	54	55	56	57
62 YEARS	46	46	47	48	43	44	44	45	42	42	43	43
63 YEARS	29	29	29	30	27	28	28	28	27	27	27	27
64 YEARS	14	14	14	14	14	14	14	14	13	13	13	13

Table 1. Expected Lifetime Earnings in 1979, for Men 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	957	1 242	1 627	2 151	461	574	724	921	299	363	446	553
19 YEARS	954	1 226	1 592	2 086	470	582	728	919	310	374	456	561
20 YEARS	952	1 213	1 560	2 026	482	592	733	918	323	387	467	570
21 YEARS	950	1 199	1 529	1 967	494	601	738	916	337	400	479	580
22 YEARS	946	1 184	1 496	1 908	504	609	742	913	349	412	490	588
23 YEARS	940	1 167	1 462	1 848	513	615	743	908	360	422	498	594
24 YEARS	930	1 146	1 425	1 787	518	617	742	900	368	429	504	598
25 YEARS	918	1 124	1 386	1 725	522	618	738	889	375	435	508	598
26 YEARS	905	1 100	1 347	1 663	524	617	732	876	380	439	510	598
27 YEARS	890	1 074	1 307	1 602	525	614	725	863	384	442	511	596
28 YEARS	875	1 048	1 266	1 541	524	611	717	848	388	444	511	593
29 YEARS	858	1 022	1 226	1 481	523	606	708	832	391	445	510	589
30 YEARS	839	994	1 184	1 421	520	600	697	815	392	445	508	583
31 YEARS	821	966	1 144	1 362	518	594	686	797	393	444	505	578
32 YEARS	801	936	1 102	1 304	512	585	673	778	393	442	500	570
33 YEARS	781	907	1 061	1 247	508	577	660	759	393	440	496	562
34 YEARS	759	877	1 019	1 190	501	567	645	738	391	436	490	553
35 YEARS	736	846	977	1 134	493	556	629	716	388	432	482	542
36 YEARS	711	812	933	1 077	482	541	611	692	382	423	472	528
37 YEARS	685	779	890	1 021	471	527	592	667	375	415	461	514
38 YEARS	659	746	847	966	459	511	572	642	368	406	449	499
39 YEARS	633	713	805	914	446	495	552	617	361	396	437	484
40 YEARS	605	678	763	861	432	478	530	590	351	385	423	467
41 YEARS	578	645	722	810	418	460	509	564	341	373	409	450
42 YEARS	556	617	686	765	407	447	492	542	336	366	399	437
43 YEARS	534	589	652	723	398	434	475	521	331	359	390	425
44 YEARS	506	556	612	676	381	415	452	494	319	345	374	406
45 YEARS	483	528	579	635	369	400	434	472	312	336	363	392
46 YEARS	452	493	537	587	349	377	408	442	296	318	343	369
47 YEARS	431	466	506	549	337	363	391	421	289	309	331	356
48 YEARS	408	439	474	512	324	346	371	399	279	298	318	340
49 YEARS	382	410	440	473	307	328	350	374	268	284	302	322
50 YEARS	352	376	403	431	286	304	324	345	251	265	282	299
51 YEARS	329	350	372	396	271	287	304	322	239	252	267	282
52 YEARS	303	321	340	360	253	267	281	297	225	236	249	262
53 YEARS	278	293	309	326	235	247	259	273	210	221	231	243
54 YEARS	255	267	280	294	218	228	239	250	197	206	215	225
55 YEARS	230	240	251	262	200	208	217	226	182	189	197	205
56 YEARS	204	212	220	229	179	186	193	200	164	170	177	183
57 YEARS	176	183	189	196	157	162	168	173	145	150	155	160
58 YEARS	149	154	159	164	134	138	143	147	125	129	133	137
59 YEARS	121	124	127	131	110	113	116	119	103	105	108	111
60 YEARS	97	100	102	104	89	91	94	96	84	86	88	90
61 YEARS	77	78	79	81	71	73	74	75	68	69	70	72
62 YEARS	55	56	57	58	52	53	54	55	50	51	52	52
63 YEARS	36	36	37	37	34	35	35	35	33	34	34	34
64 YEARS	17	18	18	18	17	17	17	17	17	17	17	17
COLLEGE: 4 YEARS												
18 YEARS	1 190	1 560	2 062	2 748	553	698	890	1 145	349	430	534	671
19 YEARS	1 193	1 547	2 025	2 673	571	714	901	1 148	368	449	553	687
20 YEARS	1 195	1 534	1 989	2 599	590	730	912	1 151	388	469	571	703
21 YEARS	1 190	1 516	1 947	2 522	602	740	917	1 148	403	483	584	713
22 YEARS	1 187	1 498	1 907	2 448	617	751	923	1 146	419	499	599	725
23 YEARS	1 184	1 481	1 868	2 376	632	763	930	1 144	436	515	613	737
24 YEARS	1 177	1 460	1 826	2 302	643	770	932	1 137	450	528	625	745
25 YEARS	1 165	1 434	1 780	2 226	650	774	930	1 127	461	538	632	749
26 YEARS	1 151	1 406	1 732	2 149	654	775	925	1 114	469	544	637	751
27 YEARS	1 134	1 376	1 683	2 072	657	774	918	1 098	476	550	640	750
28 YEARS	1 117	1 346	1 634	1 997	660	772	911	1 083	483	555	643	749
29 YEARS	1 098	1 314	1 584	1 922	660	769	902	1 065	488	559	643	746
30 YEARS	1 077	1 281	1 533	1 847	659	763	890	1 045	492	560	642	741
31 YEARS	1 057	1 248	1 483	1 774	658	758	879	1 026	496	562	642	737
32 YEARS	1 033	1 213	1 432	1 700	654	750	865	1 003	497	562	638	729
33 YEARS	1 009	1 177	1 381	1 629	649	741	850	981	499	561	634	721
34 YEARS	982	1 138	1 327	1 555	641	728	832	954	496	556	627	709
35 YEARS	956	1 102	1 277	1 486	635	717	815	930	496	553	620	699
36 YEARS	928	1 063	1 224	1 416	625	704	795	903	493	548	612	686
37 YEARS	897	1 022	1 170	1 345	613	686	772	873	486	539	599	670
38 YEARS	866	981	1 117	1 277	600	669	750	843	480	530	587	653
39 YEARS	829	936	1 060	1 205	581	647	722	808	468	515	569	631
40 YEARS	794	892	1 005	1 136	563	624	694	774	456	501	552	610
41 YEARS	765	854	957	1 076	550	607	672	746	449	491	539	594
42 YEARS	734	816	909	1 016	536	589	649	717	441	481	526	576
43 YEARS	705	779	863	958	522	571	626	688	433	470	512	555
44 YEARS	675	742	817	903	507	552	603	659	424	459	498	541
45 YEARS	639	699	767	843	486	527	573	624	409	441	477	517
46 YEARS	607	661	721	788	468	506	547	594	397	427	460	496
47 YEARS	576	624	677	736	450	485	522	563	385	413	443	475
48 YEARS	545	588	635	686	433	463	497	534	373	398	425	455
49 YEARS	509	546	587	632	408	436	466	498	355	377	401	428
50 YEARS	475	508	543	581	386	410	437	465	338	358	380	403
51 YEARS	441	470	500	533	363	385	408	432	321	338	358	378
52 YEARS	404	428	454	482	337	355	375	396	299	315	331	349
53 YEARS	369	389	411	434	310	326	343	361	278	291	306	321
54 YEARS	333	350	368	387	283	297	311	326	255	267	279	292
55 YEARS	298	312	327	342	257	268	280	293	233	243	253	264
56 YEARS	266	277	289	301	232	241	251	261	211	220	228	237
57 YEARS	236	245	254	264	208	216	224	232	192	198	205	213
58 YEARS	209	216	222	230	187	193	199	205	174	179	184	190
59 YEARS	176	181	186	191	159	164	168	173	149	153	157	162
60 YEARS	144	148	151	155	133	136	139	142	125	128	131	134
61 YEARS	118	120	122	125	110	112	114	116	105	107	109	111
62 YEARS	83	84	85	87	79	80	81	82	76	77	78	79
63 YEARS	52	52	52	53	49	50	50	51	48	48	49	49
64 YEARS	24	24	24	24	23	24	24	24	23	23	23	23

Table 1. Expected Lifetime Earnings in 1979, for Men 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	1 301	1 712	2 273	3 042	596	756	968	1 251	373	462	576	726
19 YEARS	1 304	1 698	2 232	2 958	616	773	980	1 254	394	482	596	744
20 YEARS	1 306	1 685	2 192	2 878	636	791	993	1 258	415	503	616	761
21 YEARS	1 298	1 660	2 143	2 788	646	798	994	1 250	427	515	626	769
22 YEARS	1 288	1 635	2 093	2 701	656	804	995	1 242	438	526	636	776
23 YEARS	1 284	1 615	2 050	2 621	670	815	1 001	1 239	455	542	650	787
24 YEARS	1 279	1 595	2 006	2 543	685	827	1 006	1 236	473	559	665	799
25 YEARS	1 273	1 574	1 962	2 465	699	837	1 011	1 231	490	574	679	810
26 YEARS	1 261	1 548	1 914	2 384	708	842	1 009	1 220	502	586	688	815
27 YEARS	1 249	1 521	1 866	2 305	716	846	1 008	1 209	515	597	697	820
28 YEARS	1 236	1 493	1 817	2 227	724	850	1 005	1 197	528	608	705	824
29 YEARS	1 219	1 462	1 766	2 147	729	850	999	1 182	537	616	710	825
30 YEARS	1 197	1 426	1 710	2 065	729	845	987	1 161	542	619	710	821
31 YEARS	1 174	1 389	1 655	1 983	727	839	974	1 139	546	620	709	815
32 YEARS	1 151	1 353	1 600	1 904	725	832	961	1 117	551	622	708	809
33 YEARS	1 123	1 312	1 542	1 823	719	822	944	1 091	551	620	702	800
34 YEARS	1 095	1 271	1 485	1 743	712	810	926	1 064	550	617	696	788
35 YEARS	1 065	1 229	1 427	1 664	704	796	906	1 036	548	613	688	776
36 YEARS	1 032	1 185	1 368	1 585	692	780	883	1 005	544	605	677	760
37 YEARS	999	1 141	1 309	1 508	680	763	859	973	538	597	665	744
38 YEARS	965	1 096	1 250	1 431	665	743	834	940	531	587	651	725
39 YEARS	928	1 049	1 190	1 354	648	722	806	904	520	574	635	704
40 YEARS	894	1 005	1 133	1 283	633	702	781	871	512	563	620	686
41 YEARS	859	961	1 078	1 213	617	681	754	838	503	551	605	666
42 YEARS	821	914	1 020	1 142	597	657	724	801	490	535	585	642
43 YEARS	786	870	966	1 076	579	634	697	767	479	521	568	621
44 YEARS	749	826	912	1 010	559	610	667	731	465	505	548	597
45 YEARS	715	784	862	949	541	588	641	699	454	491	531	576
46 YEARS	679	741	810	888	521	564	611	664	441	474	511	553
47 YEARS	645	701	762	830	502	541	584	631	428	459	493	530
48 YEARS	607	656	710	770	478	513	552	594	411	439	470	503
49 YEARS	570	613	660	712	454	486	520	558	393	418	446	477
50 YEARS	532	570	611	656	429	457	488	521	374	397	422	449
51 YEARS	498	531	566	605	407	432	459	488	357	378	400	424
52 YEARS	463	491	521	554	383	405	428	453	339	357	377	398
53 YEARS	427	451	477	504	358	377	397	419	320	336	353	371
54 YEARS	388	408	430	452	330	346	363	381	296	310	325	340
55 YEARS	352	368	386	404	303	316	330	345	274	286	298	311
56 YEARS	313	326	340	355	272	283	295	307	248	258	268	279
57 YEARS	278	288	299	311	245	254	263	273	225	233	241	250
58 YEARS	243	251	259	268	217	224	231	239	201	208	214	221
59 YEARS	206	212	218	224	186	191	196	202	174	179	183	189
60 YEARS	180	184	189	193	166	170	173	177	157	160	164	167
61 YEARS	144	147	149	152	135	137	139	142	129	131	133	135
62 YEARS	100	102	103	104	95	96	97	99	91	92	94	95
63 YEARS	61	61	62	62	58	59	59	60	56	57	57	58
64 YEARS	26	26	26	26	25	25	25	25	24	25	25	25

Table 2. Expected Lifetime Earnings in 1979, for Women 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	211	268	344	446	108	132	163	204	73	87	105	128
19 YEARS	209	263	335	430	110	133	163	202	75	89	106	128
20 YEARS	207	258	326	415	111	134	163	200	77	91	108	129
21 YEARS	203	252	316	399	111	133	161	196	78	91	108	129
22 YEARS	200	246	306	384	111	133	159	193	79	92	108	128
23 YEARS	196	240	296	369	111	132	158	190	80	93	108	128
24 YEARS	193	234	287	354	111	131	156	187	81	93	108	127
25 YEARS	188	227	276	339	110	129	153	182	81	93	108	126
26 YEARS	184	221	267	325	110	128	151	178	81	93	107	125
27 YEARS	180	214	257	311	109	127	148	174	82	93	107	123
28 YEARS	174	206	246	296	107	124	144	169	81	92	105	120
29 YEARS	169	199	236	282	106	122	141	164	80	91	103	118
30 YEARS	163	192	226	268	104	119	137	159	79	89	101	116
31 YEARS	159	185	217	255	103	117	134	154	79	89	100	114
32 YEARS	153	177	206	242	100	114	130	149	78	87	98	111
33 YEARS	148	170	197	229	98	111	126	144	77	86	96	108
34 YEARS	141	162	187	216	95	107	121	138	75	84	93	105
35 YEARS	134	154	176	203	92	103	116	131	73	80	90	100
36 YEARS	129	146	167	191	89	99	111	125	71	78	87	97
37 YEARS	124	140	158	180	87	96	107	120	70	77	85	94
38 YEARS	118	133	150	170	84	93	104	115	68	75	83	91
39 YEARS	113	127	142	160	82	90	100	111	67	73	80	88
40 YEARS	106	118	132	147	77	85	93	103	63	69	76	83
41 YEARS	100	111	123	137	74	81	89	98	61	66	72	79
42 YEARS	95	104	115	128	71	77	84	92	59	64	69	75
43 YEARS	89	98	108	119	68	73	80	87	57	61	66	72
44 YEARS	84	91	100	110	64	69	75	82	54	58	63	68
45 YEARS	77	84	92	100	59	64	69	75	50	54	58	63
46 YEARS	72	78	85	92	56	60	65	70	48	51	55	59
47 YEARS	68	73	79	86	54	58	62	66	46	50	53	57
48 YEARS	62	67	72	78	50	53	57	61	43	46	49	52
49 YEARS	57	61	66	71	47	50	53	56	41	43	46	49
50 YEARS	53	57	60	64	44	46	49	52	39	41	43	46
51 YEARS	48	51	54	57	40	42	44	47	35	37	39	41
52 YEARS	43	45	48	50	36	38	40	42	32	33	35	37
53 YEARS	38	40	42	44	32	33	35	37	29	30	31	33
54 YEARS	34	35	37	39	29	30	31	33	26	27	28	30
55 YEARS	30	31	33	34	26	27	28	30	24	25	26	27
56 YEARS	26	27	29	30	23	24	25	26	21	22	23	24
57 YEARS	23	24	25	25	20	21	22	22	19	19	20	21
58 YEARS	20	20	21	21	18	18	19	19	16	17	17	18
59 YEARS	16	16	17	17	14	15	15	15	13	14	14	14
60 YEARS	12	12	13	13	11	11	11	12	10	11	11	11
61 YEARS	9	10	10	10	9	9	9	9	8	8	9	9
62 YEARS	7	7	7	7	6	7	7	7	6	6	6	6
63 YEARS	4	4	4	4	4	4	4	4	4	4	4	4
64 YEARS	2	2	2	2	2	2	2	2	2	2	2	2
HIGH SCHOOL: 4 YEARS												
18 YEARS	381	483	619	803	198	241	296	368	136	161	192	232
19 YEARS	377	474	603	775	200	242	295	364	140	164	195	234
20 YEARS	371	463	585	747	201	241	293	358	142	166	196	233
21 YEARS	364	451	566	717	201	239	289	352	142	166	195	232
22 YEARS	356	439	547	688	199	236	284	344	142	165	194	229
23 YEARS	347	426	527	659	197	233	278	336	142	164	192	226
24 YEARS	339	413	508	631	195	230	273	328	142	163	190	223
25 YEARS	330	400	489	604	193	226	268	320	141	162	188	219
26 YEARS	321	387	470	577	190	222	262	311	140	161	185	216
27 YEARS	311	373	451	550	187	217	255	301	138	158	182	211
28 YEARS	302	360	433	524	184	213	249	293	137	156	179	207
29 YEARS	293	348	415	500	181	209	243	284	136	154	176	203
30 YEARS	284	335	398	476	178	205	237	276	135	153	174	199
31 YEARS	274	322	380	452	174	199	230	266	133	150	170	194
32 YEARS	265	309	363	429	170	194	223	257	131	147	166	189
33 YEARS	255	297	346	407	167	189	216	248	129	145	163	184
34 YEARS	246	284	330	385	162	184	209	239	127	141	159	179
35 YEARS	235	271	313	363	157	177	201	229	123	137	154	173
36 YEARS	226	259	297	343	153	172	194	220	121	135	150	168
37 YEARS	216	246	281	323	148	166	187	211	118	131	145	162
38 YEARS	207	234	266	304	144	160	180	202	115	127	141	157
39 YEARS	198	223	252	286	140	155	173	193	113	124	137	151
40 YEARS	188	211	238	268	134	149	165	184	109	120	132	145
41 YEARS	180	200	224	252	130	143	158	175	106	116	127	140
42 YEARS	170	189	210	235	125	137	151	166	103	112	122	134
43 YEARS	161	178	197	219	119	130	143	157	99	107	117	127
44 YEARS	153	168	185	204	115	125	136	149	96	104	113	122
45 YEARS	145	159	174	191	111	120	130	142	93	101	109	118
46 YEARS	136	148	161	176	105	113	123	133	89	96	103	111
47 YEARS	126	137	149	162	98	106	114	123	84	90	97	104
48 YEARS	119	128	138	149	94	101	108	116	81	86	92	99
49 YEARS	110	118	127	137	88	94	101	108	77	81	87	92
50 YEARS	101	108	116	124	82	87	93	99	72	76	81	86
51 YEARS	91	98	104	111	75	79	84	90	66	70	74	78
52 YEARS	83	88	93	99	68	72	77	81	60	64	67	71
53 YEARS	76	80	85	89	63	67	70	74	56	59	62	66
54 YEARS	69	72	76	80	58	61	64	67	52	55	57	60
55 YEARS	61	64	67	71	53	55	58	60	48	50	52	54
56 YEARS	55	57	59	62	48	50	52	54	43	45	47	49
57 YEARS	48	49	51	53	42	43	45	47	39	40	41	43
58 YEARS	41	43	44	45	37	38	39	40	34	35	36	37
59 YEARS	34	35	36	37	31	32	33	34	29	30	31	32
60 YEARS	28	29	29	30	26	26	27	28	24	25	25	26
61 YEARS	23	23	23	24	21	21	22	22	20	21	21	21
62 YEARS	16	16	16	16	15	15	15	15	14	14	15	15
63 YEARS	10	10	10	11	10	10	10	10	10	10	10	10
64 YEARS	4	4	4	4	4	4	4	4	4	4	4	4

Table 2. Expected Lifetime Earnings in 1979, for Women 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	460	586	754	980	236	288	356	444	160	190	229	276
19 YEARS	455	574	733	946	238	289	354	439	163	193	231	276
20 YEARS	451	565	715	914	241	291	354	435	168	197	234	281
21 YEARS	446	554	696	882	244	292	353	431	172	201	237	282
22 YEARS	440	542	676	850	246	292	351	425	175	204	239	28
23 YEARS	431	528	654	816	245	290	346	417	177	204	238	281
24 YEARS	422	514	631	783	244	287	341	408	177	204	237	276
25 YEARS	411	498	608	749	241	283	334	398	177	203	235	271
26 YEARS	400	482	585	716	238	278	327	388	175	201	232	259
27 YEARS	389	466	563	684	235	273	320	377	175	199	229	265
28 YEARS	377	449	539	652	230	267	311	366	172	196	225	259
29 YEARS	366	433	517	621	226	261	303	355	170	193	221	254
30 YEARS	353	416	494	590	221	254	294	343	168	190	216	247
31 YEARS	342	401	473	561	217	249	286	332	166	187	212	242
32 YEARS	330	384	451	532	212	242	278	320	163	183	207	236
33 YEARS	318	368	432	504	207	235	269	309	160	180	202	229
34 YEARS	305	352	409	477	202	228	260	297	157	176	197	222
35 YEARS	293	337	389	451	196	221	251	285	154	171	192	216
36 YEARS	282	322	370	426	192	215	243	275	152	168	188	210
37 YEARS	272	309	352	404	188	210	235	265	150	166	184	205
38 YEARS	261	294	334	380	183	203	227	254	147	162	179	198
39 YEARS	248	279	315	356	176	195	216	242	142	156	172	190
40 YEARS	238	266	298	336	171	189	209	232	140	153	168	184
41 YEARS	225	250	279	313	164	180	198	219	135	147	160	176
42 YEARS	212	235	261	291	156	171	188	207	129	140	153	167
43 YEARS	200	220	244	271	149	162	178	195	124	134	146	159
44 YEARS	185	203	224	248	138	151	165	180	115	125	135	147
45 YEARS	175	191	210	231	133	144	157	171	111	120	130	141
46 YEARS	163	178	194	213	125	135	147	159	106	114	123	132
47 YEARS	154	167	181	197	120	129	139	150	102	109	117	126
48 YEARS	145	157	169	183	115	123	132	142	98	105	113	121
49 YEARS	136	146	157	169	109	116	124	133	94	100	107	115
50 YEARS	126	135	144	155	103	109	116	124	90	95	101	107
51 YEARS	117	124	132	141	96	102	108	114	85	90	95	100
52 YEARS	105	112	118	125	88	92	98	103	78	82	86	91
53 YEARS	98	103	108	114	83	87	91	96	74	78	81	85
54 YEARS	88	92	97	102	76	79	83	87	68	71	75	78
55 YEARS	77	80	84	87	66	69	72	75	60	63	65	68
56 YEARS	65	68	71	73	57	59	61	64	52	54	56	58
57 YEARS	56	58	60	63	50	51	53	55	46	47	49	51
58 YEARS	48	50	51	53	43	45	46	47	40	41	43	44
59 YEARS	42	43	44	45	38	39	40	41	36	36	37	38
60 YEARS	32	32	33	34	29	30	30	31	27	28	29	29
61 YEARS	23	24	24	25	22	22	23	23	21	21	21	22
62 YEARS	16	17	17	17	15	16	16	16	15	15	15	15
63 YEARS	11	11	11	12	11	11	11	11	10	10	11	11
64 YEARS	7	7	7	7	7	7	7	7	7	7	7	7
COLLEGE: 4 YEARS												
18 YEARS	523	666	859	1 119	266	326	403	504	180	214	258	314
19 YEARS	521	658	841	1 085	273	331	406	503	187	222	265	319
20 YEARS	514	645	817	1 047	274	331	403	496	191	224	266	320
21 YEARS	511	635	798	1 013	280	335	405	494	198	231	272	324
22 YEARS	505	623	776	977	283	336	403	488	202	235	275	325
23 YEARS	498	610	754	942	285	336	400	482	207	238	277	326
24 YEARS	487	592	728	903	283	332	394	471	207	238	275	322
25 YEARS	474	573	700	863	279	326	385	459	205	235	271	316
26 YEARS	459	553	672	824	273	319	375	445	202	231	266	309
27 YEARS	445	533	644	785	268	311	365	431	199	227	261	302
28 YEARS	431	514	617	748	262	304	355	418	196	223	256	295
29 YEARS	416	493	590	710	256	296	344	403	192	218	250	287
30 YEARS	402	475	565	676	251	289	335	390	190	215	245	281
31 YEARS	387	455	538	640	244	280	323	375	185	209	238	272
32 YEARS	373	437	514	608	238	272	313	363	182	205	233	265
33 YEARS	360	419	490	577	233	266	304	350	180	202	228	259
34 YEARS	348	402	468	547	228	259	295	338	177	198	223	252
35 YEARS	335	386	446	518	224	252	286	326	175	195	219	246
36 YEARS	322	369	424	490	218	245	276	313	171	191	213	239
37 YEARS	311	354	405	464	214	239	269	303	170	188	209	233
38 YEARS	300	339	385	439	210	233	261	292	169	186	205	228
39 YEARS	283	319	361	410	200	222	247	276	161	177	195	216
40 YEARS	270	303	341	384	193	213	236	263	157	172	189	209
41 YEARS	259	289	323	362	188	207	228	253	154	168	184	202
42 YEARS	246	273	303	339	181	198	218	240	149	162	177	194
43 YEARS	230	254	281	313	170	186	204	224	141	153	167	182
44 YEARS	217	239	263	291	163	177	194	212	136	147	160	174
45 YEARS	207	226	248	273	158	171	186	202	133	143	155	167
46 YEARS	192	209	229	250	148	160	173	188	125	135	145	157
47 YEARS	176	191	208	227	136	147	159	172	115	124	133	144
48 YEARS	164	178	192	209	128	138	149	160	110	118	126	135
49 YEARS	156	168	181	195	124	133	142	153	107	114	122	130
50 YEARS	144	154	165	177	116	124	132	141	101	107	114	121
51 YEARS	136	144	154	164	111	118	125	133	98	103	109	116
52 YEARS	126	133	141	150	105	110	117	123	93	98	103	109
53 YEARS	117	123	130	137	99	104	109	115	89	93	97	102
54 YEARS	106	111	116	122	91	95	99	104	82	86	90	94
55 YEARS	93	97	101	105	80	84	87	91	73	76	79	82
56 YEARS	78	81	85	88	69	71	74	77	63	65	68	70
57 YEARS	68	70	73	75	60	62	64	66	55	57	59	61
58 YEARS	58	60	62	64	53	54	56	57	49	50	52	53
59 YEARS	46	47	48	50	42	43	44	45	39	40	41	42
60 YEARS	38	39	40	41	35	36	37	38	34	34	35	36
61 YEARS	30	30	31	31	28	29	29	29	27	27	28	28
62 YEARS	19	20	20	20	18	19	19	19	18	18	18	18
63 YEARS	11	11	11	11	10	10	11	11	10	10	10	10
64 YEARS	6	6	6	6	6	6	6	6	5	5	5	5

Table 2. Expected Lifetime Earnings in 1979, for Women 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF-			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	PERCEN
COLLEGE: 5 YEARS OR MORE												
18 YEARS	699	905	1 182	1 557	337	421	530	673	218	266	326	4
19 YEARS	700	896	1 159	1 512	348	429	535	674	229	277	337	4
20 YEARS	699	887	1 136	1 468	358	438	541	675	241	288	347	4
21 YEARS	690	879	1 114	1 426	369	447	547	675	253	300	358	4
22 YEARS	693	864	1 086	1 379	374	450	546	669	260	306	363	4
23 YEARS	688	851	1 061	1 334	381	454	547	666	269	314	370	4
24 YEARS	683	837	1 035	1 290	386	458	547	660	277	321	376	4
25 YEARS	673	819	1 005	1 244	389	458	544	652	282	326	379	4
26 YEARS	660	798	973	1 195	388	455	537	640	284	326	378	4
27 YEARS	647	777	941	1 147	386	450	529	627	285	326	376	4
28 YEARS	633	755	908	1 100	384	446	521	614	286	326	375	4
29 YEARS	617	733	875	1 053	380	440	511	599	286	325	371	4
30 YEARS	603	711	844	1 008	378	434	502	585	286	324	369	4
31 YEARS	586	687	811	962	373	427	491	569	285	321	364	4
32 YEARS	567	661	776	915	366	417	478	551	282	316	357	4
33 YEARS	550	638	744	872	360	409	466	535	280	313	352	3
34 YEARS	531	613	710	828	353	398	452	517	276	307	345	3
35 YEARS	512	587	677	784	344	387	438	498	271	301	336	3
36 YEARS	491	561	643	741	334	375	422	478	264	293	327	3
37 YEARS	470	534	610	699	324	362	406	458	258	285	317	3
38 YEARS	454	512	581	662	317	353	394	442	255	281	311	3
39 YEARS	436	490	552	625	309	343	381	425	251	275	303	3
40 YEARS	417	467	523	589	301	332	367	407	246	269	295	3
41 YEARS	396	440	491	550	288	317	349	386	237	258	283	3
42 YEARS	377	417	463	515	278	305	334	368	231	251	273	2
43 YEARS	353	389	430	476	263	287	314	344	219	237	258	2
44 YEARS	334	367	403	444	253	275	299	327	212	229	248	2
45 YEARS	316	345	377	413	242	262	284	308	205	220	238	2
46 YEARS	289	315	343	375	223	241	261	282	189	203	219	2
47 YEARS	271	294	319	347	212	228	246	265	181	194	208	2
48 YEARS	255	275	297	321	202	217	232	249	174	186	199	2
49 YEARS	239	256	275	295	192	205	218	233	167	177	189	2
50 YEARS	218	233	249	267	177	188	201	214	155	164	174	1
51 YEARS	203	216	229	244	168	177	188	199	148	156	165	1
52 YEARS	185	195	207	219	154	163	172	181	137	144	152	1
53 YEARS	167	175	185	195	141	148	155	163	126	132	139	1
54 YEARS	153	161	168	176	132	138	144	151	120	125	130	1
55 YEARS	132	138	144	150	114	119	124	129	104	108	113	1
56 YEARS	115	119	124	129	101	105	109	113	93	96	99	1
57 YEARS	100	104	108	111	90	92	96	99	83	86	88	
58 YEARS	83	85	88	90	74	77	79	81	69	71	73	
59 YEARS	68	70	72	74	62	64	66	67	59	60	62	
60 YEARS	55	56	57	58	51	52	53	54	48	49	50	
61 YEARS	39	40	41	41	37	37	38	39	35	36	36	
62 YEARS	29	29	29	30	27	27	28	28	26	26	27	
63 YEARS	15	15	15	15	14	14	14	14	14	14	14	
64 YEARS	5	5	5	5	5	5	5	5	5	5	5	

Table 3. Expected Lifetime Earnings in 1979, for Male Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	845	1 091	1 427	1 888	419	516	644	814	281	336	406	497
19 YEARS	838	1 074	1 393	1 828	425	519	644	808	288	343	412	501
20 YEARS	830	1 056	1 359	1 768	429	522	642	801	295	348	416	504
21 YEARS	820	1 036	1 323	1 709	431	522	639	792	299	352	419	504
22 YEARS	811	1 017	1 289	1 651	434	523	636	783	304	356	422	505
23 YEARS	800	996	1 254	1 594	436	522	632	773	308	360	424	505
24 YEARS	789	975	1 219	1 538	438	521	627	762	312	363	426	505
25 YEARS	776	954	1 184	1 483	438	519	621	751	315	365	426	503
26 YEARS	761	930	1 147	1 426	436	515	613	737	316	365	425	499
27 YEARS	747	906	1 110	1 371	434	510	605	723	317	365	423	495
28 YEARS	732	883	1 075	1 318	432	506	596	709	318	365	421	491
29 YEARS	713	856	1 036	1 263	427	497	584	691	316	361	416	483
30 YEARS	698	833	1 001	1 212	424	492	575	677	317	361	414	478
31 YEARS	681	808	965	1 161	420	485	564	661	316	358	410	471
32 YEARS	666	785	931	1 112	417	479	555	646	316	357	407	466
33 YEARS	648	759	896	1 063	412	471	543	629	314	354	402	458
34 YEARS	630	735	862	1 016	407	463	531	613	313	351	397	451
35 YEARS	614	712	829	971	403	457	521	597	313	350	394	445
36 YEARS	595	686	794	925	395	446	507	579	309	345	386	435
37 YEARS	574	658	758	877	386	434	491	558	303	338	377	423
38 YEARS	555	633	725	834	378	424	477	540	300	332	370	414
39 YEARS	536	608	693	792	371	414	464	522	296	327	363	404
40 YEARS	519	586	663	753	365	406	452	506	295	324	358	396
41 YEARS	498	559	629	711	354	392	436	485	288	316	347	383
42 YEARS	479	534	598	672	346	381	421	467	283	309	339	372
43 YEARS	458	508	566	632	335	368	405	447	277	301	329	360
44 YEARS	430	476	528	587	318	348	382	420	263	286	311	340
45 YEARS	410	452	499	552	307	335	366	401	256	278	301	328
46 YEARS	389	427	468	515	295	320	349	380	248	267	289	314
47 YEARS	369	402	439	481	283	306	332	360	239	258	278	300
48 YEARS	348	377	410	447	270	291	314	340	230	247	266	286
49 YEARS	327	354	383	414	258	277	298	320	222	237	254	272
50 YEARS	307	330	355	382	245	262	280	300	212	226	241	257
51 YEARS	288	308	330	353	233	248	264	282	204	216	229	244
52 YEARS	268	285	304	324	220	233	247	262	194	205	216	229
53 YEARS	247	261	277	294	205	216	229	242	182	191	202	213
54 YEARS	228	240	253	267	192	202	212	223	172	180	189	198
55 YEARS	203	213	224	235	173	181	190	199	156	163	171	178
56 YEARS	183	192	200	210	159	165	173	180	144	150	156	163
57 YEARS	164	170	177	184	143	149	155	161	131	136	141	147
58 YEARS	143	148	154	159	127	131	136	141	117	121	125	130
59 YEARS	124	127	131	135	111	115	118	121	104	107	110	113
60 YEARS	103	106	108	111	94	96	99	101	88	90	93	95
61 YEARS	84	86	88	90	78	80	81	83	74	75	77	79
62 YEARS	64	65	66	67	60	61	62	63	58	58	59	60
63 YEARS	47	47	48	48	45	45	46	46	43	44	44	45
64 YEARS	24	24	24	24	23	23	23	23	22	23	23	23
HIGH SCHOOL: 4 YEARS												
18 YEARS	1 041	1 343	1 753	2 315	519	638	795	1 003	349	417	503	615
19 YEARS	1 034	1 323	1 712	2 242	527	644	796	997	360	426	511	621
20 YEARS	1 024	1 300	1 670	2 170	533	647	794	988	367	433	517	624
21 YEARS	1 013	1 276	1 627	2 097	537	648	791	978	374	439	521	626
22 YEARS	1 000	1 251	1 583	2 025	539	647	786	965	379	443	524	626
23 YEARS	984	1 224	1 538	1 953	540	645	779	951	383	446	525	624
24 YEARS	969	1 197	1 494	1 883	540	643	772	937	387	449	526	622
25 YEARS	954	1 170	1 451	1 815	541	640	764	922	390	451	526	620
26 YEARS	936	1 141	1 405	1 746	539	634	754	906	391	451	524	615
27 YEARS	918	1 113	1 361	1 679	537	629	744	889	393	451	523	610
28 YEARS	899	1 083	1 316	1 613	534	623	733	871	394	451	520	604
29 YEARS	879	1 053	1 272	1 547	530	616	721	852	394	449	516	598
30 YEARS	859	1 023	1 227	1 484	525	608	709	833	394	447	512	590
31 YEARS	839	993	1 184	1 422	521	600	696	814	393	446	508	583
32 YEARS	818	963	1 141	1 361	515	591	683	794	393	443	503	575
33 YEARS	795	931	1 097	1 300	508	581	668	773	390	439	496	565
34 YEARS	773	900	1 054	1 241	501	570	653	751	387	434	490	555
35 YEARS	750	868	1 011	1 183	493	559	636	729	384	429	482	544
36 YEARS	724	834	966	1 124	482	544	618	705	378	421	471	531
37 YEARS	699	801	923	1 068	471	530	599	680	372	413	461	517
38 YEARS	674	769	880	1 013	460	516	581	656	365	405	450	503
39 YEARS	648	735	838	958	448	500	561	631	358	395	438	488
40 YEARS	622	703	796	906	435	484	541	606	350	386	426	473
41 YEARS	597	671	757	856	423	469	522	582	343	376	415	458
42 YEARS	573	641	719	808	412	455	504	559	336	368	404	445
43 YEARS	551	612	683	763	402	441	486	537	330	360	394	432
44 YEARS	526	582	645	717	388	425	467	513	322	350	381	416
45 YEARS	501	552	609	673	375	409	447	489	313	339	368	401
46 YEARS	476	521	572	629	361	392	427	465	304	328	355	384
47 YEARS	451	492	537	587	347	375	406	441	294	316	341	368
48 YEARS	426	462	502	546	332	357	385	416	283	304	326	350
49 YEARS	400	432	467	505	316	339	364	391	272	290	310	332
50 YEARS	373	401	432	465	298	319	341	365	258	275	293	313
51 YEARS	349	373	400	428	283	301	321	342	247	262	278	296
52 YEARS	322	343	365	389	264	280	297	315	232	245	259	275
53 YEARS	297	315	334	354	246	260	275	291	218	230	242	256
54 YEARS	273	288	304	321	230	242	254	268	205	215	226	238
55 YEARS	249	261	274	288	212	222	233	244	191	200	209	219
56 YEARS	226	236	246	257	195	203	212	221	177	185	192	200
57 YEARS	201	209	217	226	176	183	190	197	161	167	173	180
58 YEARS	176	183	189	196	157	162	168	173	145	150	155	160
59 YEARS	153	157	162	167	138	142	146	150	128	132	136	140
60 YEARS	127	130	133	136	116	119	122	125	109	112	114	117
61 YEARS	102	104	106	108	94	96	98	100	90	91	93	95
62 YEARS	78	79	80	81	73	74	75	77	70	71	72	73
63 YEARS	52	53	53	54	50	51	51	52	48	49	49	50
64 YEARS	26	27	27	27	26	26	26	26	25	25	25	25

Table 3. Expected Lifetime Earnings in 1979, for Male Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	1 155	1 501	1 973	2 622	561	696	874	1 112	371	446	543	670
19 YEARS	1 150	1 482	1 931	2 543	573	705	878	1 108	384	459	555	679
20 YEARS	1 142	1 459	1 886	2 463	581	710	879	1 101	394	469	563	685
21 YEARS	1 132	1 435	1 840	2 384	588	714	878	1 092	404	477	570	689
22 YEARS	1 121	1 411	1 795	2 306	594	717	876	1 082	412	485	577	693
23 YEARS	1 106	1 383	1 746	2 227	597	717	871	1 069	418	490	580	693
24 YEARS	1 091	1 355	1 699	2 150	599	716	865	1 055	424	495	582	693
25 YEARS	1 075	1 326	1 650	2 073	600	714	857	1 039	428	498	584	691
26 YEARS	1 057	1 295	1 602	1 997	600	710	849	1 023	432	500	584	688
27 YEARS	1 039	1 264	1 553	1 922	599	706	839	1 005	435	502	583	684
28 YEARS	1 019	1 233	1 504	1 849	598	701	828	987	437	503	582	679
29 YEARS	999	1 201	1 456	1 777	595	695	817	969	440	503	580	674
30 YEARS	979	1 170	1 408	1 706	593	688	805	949	441	503	578	668
31 YEARS	957	1 137	1 359	1 636	588	680	792	929	442	502	574	661
32 YEARS	935	1 104	1 312	1 568	584	672	778	908	442	500	570	653
33 YEARS	913	1 071	1 264	1 502	579	663	764	886	442	498	565	645
34 YEARS	889	1 037	1 217	1 436	573	653	749	864	441	495	559	636
35 YEARS	864	1 002	1 169	1 371	565	641	732	840	438	491	552	625
36 YEARS	838	967	1 121	1 306	556	628	714	815	434	485	543	612
37 YEARS	810	930	1 072	1 241	544	613	693	788	428	476	832	597
38 YEARS	781	892	1 022	1 178	531	596	672	760	421	467	520	581
39 YEARS	753	856	976	1 117	519	580	651	734	414	458	508	566
40 YEARS	722	816	926	1 054	503	560	627	703	403	445	493	547
41 YEARS	693	780	880	996	489	543	605	675	395	434	479	530
42 YEARS	668	747	838	943	479	529	586	651	390	427	469	517
43 YEARS	643	715	798	892	468	515	567	627	384	419	459	503
44 YEARS	612	678	753	837	451	494	543	598	373	406	442	484
45 YEARS	586	646	713	788	439	478	523	573	366	396	430	468
46 YEARS	551	605	665	732	417	453	494	539	349	377	409	444
47 YEARS	526	574	627	686	403	436	473	514	341	367	396	428
48 YEARS	500	542	589	641	389	419	452	489	332	356	382	411
49 YEARS	471	508	550	595	371	398	428	460	319	341	365	391
50 YEARS	437	470	506	545	349	373	399	428	301	321	343	366
51 YEARS	411	440	471	505	333	354	377	403	290	308	327	348
52 YEARS	381	406	432	461	312	331	351	373	274	290	307	325
53 YEARS	351	372	394	419	291	307	325	344	258	272	286	302
54 YEARS	325	343	362	382	274	288	303	319	245	257	269	283
55 YEARS	297	311	327	343	253	265	278	291	228	239	249	261
56 YEARS	268	279	292	305	232	241	252	262	211	219	228	238
57 YEARS	240	250	260	270	211	219	227	236	194	201	208	216
58 YEARS	209	217	224	232	187	193	199	206	173	178	184	190
59 YEARS	173	178	184	189	156	160	165	170	145	149	154	158
60 YEARS	146	150	153	157	133	136	140	143	125	128	131	135
61 YEARS	121	124	126	128	112	114	117	119	107	109	111	113
62 YEARS	93	95	96	97	88	89	90	92	84	85	87	88
63 YEARS	62	62	63	64	59	60	60	61	57	58	58	59
64 YEARS	31	31	31	31	30	30	30	30	29	29	29	29
COLLEGE: 4 YEARS												
18 YEARS	1 392	1 830	2 433	3 266	648	815	1 039	1 338	414	507	626	784
19 YEARS	1 394	1 815	2 389	3 176	669	834	1 052	1 342	437	529	648	802
20 YEARS	1 397	1 801	2 347	3 089	691	852	1 065	1 345	461	552	669	821
21 YEARS	1 377	1 764	2 283	2 983	691	849	1 056	1 327	463	554	670	819
22 YEARS	1 368	1 738	2 231	2 890	702	857	1 058	1 320	477	567	681	827
23 YEARS	1 357	1 711	2 178	2 798	712	863	1 058	1 310	489	579	691	834
24 YEARS	1 345	1 682	2 125	2 707	720	867	1 056	1 299	501	589	699	838
25 YEARS	1 329	1 650	2 069	2 616	725	869	1 051	1 284	510	596	705	840
26 YEARS	1 311	1 617	2 012	2 524	728	868	1 044	1 267	517	602	708	840
27 YEARS	1 291	1 582	1 954	2 434	730	866	1 035	1 249	523	607	710	838
28 YEARS	1 272	1 548	1 898	2 346	732	864	1 027	1 231	530	612	713	837
29 YEARS	1 251	1 512	1 841	2 258	733	860	1 017	1 212	535	616	714	834
30 YEARS	1 228	1 475	1 784	2 172	732	854	1 005	1 190	539	618	713	829
31 YEARS	1 205	1 437	1 726	2 088	730	848	992	1 168	543	620	712	824
32 YEARS	1 179	1 398	1 668	2 003	726	839	977	1 144	545	619	708	816
33 YEARS	1 153	1 358	1 610	1 920	722	830	961	1 119	546	618	704	807
34 YEARS	1 125	1 317	1 552	1 838	715	819	943	1 092	546	615	698	797
35 YEARS	1 097	1 277	1 495	1 759	709	808	925	1 066	545	613	692	786
36 YEARS	1 067	1 235	1 437	1 679	700	794	905	1 037	543	608	684	773
37 YEARS	1 035	1 191	1 377	1 600	688	778	883	1 006	538	600	673	758
38 YEARS	1 001	1 146	1 317	1 521	675	759	858	974	531	591	660	740
39 YEARS	965	1 099	1 257	1 443	659	739	832	940	522	579	645	721
40 YEARS	929	1 053	1 197	1 367	643	718	804	905	512	567	629	700
41 YEARS	897	1 011	1 143	1 297	630	700	781	874	506	558	617	684
42 YEARS	865	970	1 090	1 229	617	682	758	843	500	549	604	667
43 YEARS	833	929	1 038	1 163	603	664	734	813	493	539	591	650
44 YEARS	801	887	986	1 098	588	645	709	781	485	528	577	631
45 YEARS	762	841	929	1 030	567	619	678	744	471	511	556	606
46 YEARS	728	799	878	967	549	598	651	711	460	498	539	585
47 YEARS	694	757	828	907	531	575	624	678	449	483	522	564
48 YEARS	659	716	778	847	513	552	596	645	437	469	503	542
49 YEARS	620	670	725	785	488	524	564	607	419	448	480	514
50 YEARS	582	626	674	726	465	497	532	570	402	428	457	488
51 YEARS	544	582	624	668	440	469	499	533	384	407	433	460
52 YEARS	504	537	573	611	413	438	465	494	363	384	406	430
53 YEARS	466	494	524	556	387	408	432	457	343	361	381	402
54 YEARS	427	451	476	502	359	378	397	419	320	336	353	371
55 YEARS	388	407	428	450	330	346	363	380	297	311	325	340
56 YEARS	351	366	383	401	303	316	329	344	275	286	298	311
57 YEARS	314	326	340	353	275	285	296	308	251	261	271	281
58 YEARS	277	287	297	307	246	254	263	272	227	235	242	250
59 YEARS	237	245	252	260	214	220	227	233	199	205	211	217
60 YEARS	203	208	213	219	186	190	195	200	175	179	183	188
61 YEARS	165	168	171	175	153	156	159	162	145	148	151	154
62 YEARS	124	126	128	130	117	119	121	122	112	114	116	117
63 YEARS	84	85	86	87	80	81	82	83	78	79	79	80
64 YEARS	43	43	44	44	42	42	42	43	41	41	41	42

Table 3. Expected Lifetime Earnings in 1979, for Male Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	1 503	1 978	2 629	3 529	696	878	1 120	1 445	442	542	673	844
19 YEARS	1 506	1 961	2 582	3 432	719	898	1 134	1 449	466	566	695	864
20 YEARS	1 508	1 945	2 536	3 338	742	918	1 148	1 453	492	591	719	884
21 YEARS	1 490	1 909	2 470	3 226	745	918	1 142	1 436	497	596	722	885
22 YEARS	1 493	1 894	2 426	3 138	770	939	1 156	1 440	524	623	747	906
23 YEARS	1 478	1 861	2 366	3 035	777	942	1 153	1 426	535	632	755	910
24 YEARS	1 461	1 826	2 304	2 933	783	943	1 148	1 411	544	640	760	912
25 YEARS	1 444	1 792	2 244	2 834	789	945	1 143	1 396	555	649	767	915
26 YEARS	1 425	1 756	2 182	2 735	793	945	1 136	1 378	562	656	771	914
27 YEARS	1 406	1 720	2 122	2 639	797	944	1 129	1 360	571	663	775	915
28 YEARS	1 386	1 684	2 063	2 545	801	944	1 121	1 342	580	670	780	915
29 YEARS	1 365	1 647	2 003	2 453	804	942	1 112	1 323	589	676	783	913
30 YEARS	1 340	1 606	1 939	2 358	802	935	1 098	1 298	592	678	782	907
31 YEARS	1 315	1 566	1 878	2 267	801	929	1 085	1 275	598	681	781	902
32 YEARS	1 289	1 525	1 816	2 176	799	921	1 070	1 251	601	682	779	896
33 YEARS	1 259	1 481	1 752	2 085	793	910	1 052	1 222	602	681	774	885
34 YEARS	1 228	1 436	1 688	1 996	786	898	1 032	1 193	602	678	767	874
35 YEARS	1 196	1 390	1 624	1 908	777	884	1 011	1 163	600	673	759	861
36 YEARS	1 161	1 342	1 559	1 819	766	867	987	1 129	596	666	748	845
37 YEARS	1 127	1 295	1 495	1 734	754	850	963	1 096	591	659	737	828
38 YEARS	1 089	1 245	1 429	1 648	739	830	936	1 060	584	648	722	809
39 YEARS	1 049	1 193	1 362	1 562	721	806	906	1 022	573	634	705	787
40 YEARS	1 011	1 144	1 299	1 480	704	784	877	985	564	622	689	766
41 YEARS	974	1 096	1 238	1 402	688	764	850	950	556	611	674	746
42 YEARS	935	1 047	1 175	1 324	669	739	820	911	544	596	655	722
43 YEARS	897	999	1 116	1 249	651	716	791	875	533	582	638	700
44 YEARS	857	950	1 055	1 175	630	691	759	837	520	566	618	676
45 YEARS	820	904	999	1 105	612	667	730	801	509	552	600	653
46 YEARS	778	854	939	1 034	588	639	696	760	493	533	577	626
47 YEARS	740	807	883	967	566	613	665	723	478	515	556	601
48 YEARS	698	759	825	899	542	584	631	683	461	495	532	573
49 YEARS	658	711	770	834	517	555	597	643	443	474	508	545
50 YEARS	616	663	714	770	490	525	562	603	423	451	482	515
51 YEARS	576	617	662	710	465	496	529	564	405	430	457	487
52 YEARS	537	572	610	651	439	466	495	526	386	408	432	458
53 YEARS	499	529	561	596	414	437	462	489	366	386	407	430
54 YEARS	459	484	511	540	385	406	427	450	344	361	379	399
55 YEARS	422	443	465	488	360	377	395	414	324	339	354	371
56 YEARS	378	395	413	432	327	341	355	371	297	309	322	335
57 YEARS	340	354	368	382	298	310	322	334	273	283	294	305
58 YEARS	301	312	322	334	268	277	286	296	248	256	265	273
59 YEARS	259	267	275	283	234	241	248	255	219	225	231	238
60 YEARS	222	227	232	238	203	208	213	218	192	196	201	205
61 YEARS	176	180	183	186	164	167	170	173	156	159	162	165
62 YEARS	129	131	133	135	122	124	126	127	118	119	121	122
63 YEARS	81	82	82	83	77	78	79	79	75	76	76	77
64 YEARS	38	38	38	39	37	37	37	37	36	36	37	37

Table 4. Expected Lifetime Earnings in 1979, for Female Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	500	641	834	1 099	256	312	385	482	177	208	249	301
19 YEARS	494	629	812	1 062	257	312	383	476	179	210	250	301
20 YEARS	487	616	789	1 025	259	312	380	470	182	213	251	301
21 YEARS	480	602	766	987	259	310	377	463	184	214	252	300
22 YEARS	471	588	743	950	258	308	372	455	184	214	251	298
23 YEARS	462	573	720	914	257	305	367	446	185	214	250	295
24 YEARS	452	558	696	878	255	302	361	437	185	213	248	292
25 YEARS	437	537	668	838	247	293	350	423	179	207	241	284
26 YEARS	428	523	646	805	246	290	344	414	179	206	239	281
27 YEARS	418	508	624	772	244	286	339	405	179	205	238	277
28 YEARS	408	493	601	740	241	282	332	395	178	204	235	273
29 YEARS	399	479	580	709	239	278	326	386	178	203	233	270
30 YEARS	388	463	558	678	235	273	319	376	176	200	229	265
31 YEARS	377	448	537	648	232	268	312	366	175	198	226	260
32 YEARS	367	433	516	619	228	263	305	356	173	196	223	256
33 YEARS	356	419	496	591	225	258	298	346	172	194	220	251
34 YEARS	347	405	477	565	222	254	291	337	171	192	217	247
35 YEARS	335	389	456	537	217	247	283	325	168	188	212	240
36 YEARS	323	374	435	510	212	240	274	314	165	184	207	234
37 YEARS	313	361	416	486	209	236	267	305	164	182	204	230
38 YEARS	303	347	399	461	205	230	260	295	162	180	200	224
39 YEARS	292	333	381	438	200	224	252	285	159	176	196	219
40 YEARS	279	317	361	412	193	216	242	272	154	171	189	211
41 YEARS	267	301	341	388	186	208	232	260	150	165	183	203
42 YEARS	257	289	325	367	182	202	225	251	148	162	179	197
43 YEARS	247	276	309	347	178	197	217	241	146	159	175	192
44 YEARS	233	259	289	323	169	186	205	227	139	151	166	182
45 YEARS	222	245	272	303	163	179	196	216	135	147	160	175
46 YEARS	211	233	257	284	158	172	188	206	131	142	155	168
47 YEARS	202	221	243	267	153	166	181	197	128	139	150	163
48 YEARS	190	208	227	248	146	158	171	186	123	133	143	155
49 YEARS	179	194	211	229	139	149	161	175	118	127	136	147
50 YEARS	169	182	197	213	133	143	153	165	114	122	131	140
51 YEARS	159	171	184	198	127	136	145	156	110	117	125	133
52 YEARS	148	158	169	181	120	127	136	145	104	111	118	125
53 YEARS	138	147	156	166	114	121	128	135	100	106	112	118
54 YEARS	128	136	143	152	107	113	119	126	95	100	106	111
55 YEARS	118	124	131	137	100	105	110	116	90	94	99	103
56 YEARS	106	111	116	122	91	95	99	104	82	86	90	94
57 YEARS	95	99	103	107	83	86	90	93	76	79	82	85
58 YEARS	85	88	91	94	75	77	80	83	69	71	74	76
59 YEARS	72	74	76	79	64	66	68	70	60	61	63	65
60 YEARS	61	63	65	66	56	57	59	60	52	54	55	57
61 YEARS	51	52	53	54	47	48	49	50	45	46	47	48
62 YEARS	41	41	42	43	39	39	40	40	37	38	38	39
63 YEARS	26	26	26	27	25	25	25	25	24	24	24	25
64 YEARS	12	12	12	13	12	12	12	12	12	12	12	12
HIGH SCHOOL: 4 YEARS												
18 YEARS	634	817	1 068	1 412	319	390	485	611	217	257	309	376
19 YEARS	627	802	1 040	1 365	322	392	483	605	221	261	312	378
20 YEARS	619	786	1 012	1 317	323	391	480	597	224	263	313	378
21 YEARS	609	769	983	1 270	323	390	476	588	226	265	314	376
22 YEARS	599	752	954	1 224	323	388	471	579	228	266	314	375
23 YEARS	589	734	925	1 178	322	385	465	569	229	267	313	373
24 YEARS	578	716	896	1 134	321	382	460	559	230	267	313	370
25 YEARS	567	698	868	1 090	320	379	453	548	231	267	311	367
26 YEARS	555	679	839	1 047	318	375	446	537	231	266	309	363
27 YEARS	542	660	810	1 004	315	370	438	525	230	264	306	358
28 YEARS	530	641	782	963	312	365	431	513	230	263	304	354
29 YEARS	517	622	755	923	309	360	423	501	229	261	301	349
30 YEARS	504	603	727	883	305	354	415	489	228	259	298	344
31 YEARS	490	583	699	844	300	347	405	476	225	256	293	338
32 YEARS	476	564	672	806	295	341	395	462	223	253	288	331
33 YEARS	464	546	647	771	292	335	387	450	222	251	285	326
34 YEARS	450	527	620	735	287	328	378	437	220	248	280	320
35 YEARS	436	507	594	700	282	321	368	423	217	244	275	312
36 YEARS	421	488	568	665	276	313	357	410	214	239	269	305
37 YEARS	408	470	544	633	271	306	348	397	211	236	265	298
38 YEARS	393	451	519	600	264	298	337	383	208	231	258	290
39 YEARS	379	432	495	569	258	289	326	369	204	226	252	282
40 YEARS	366	415	472	540	253	282	316	356	201	223	247	275
41 YEARS	353	398	451	512	248	275	307	344	199	219	242	269
42 YEARS	340	381	429	484	242	268	297	331	196	215	237	261
43 YEARS	326	363	407	456	235	259	286	318	192	210	230	253
44 YEARS	313	347	386	430	229	251	276	305	188	205	224	246
45 YEARS	300	331	366	405	223	243	267	293	185	201	219	238
46 YEARS	285	313	344	380	215	234	255	279	180	195	211	229
47 YEARS	268	293	321	352	204	222	241	262	172	186	201	217
48 YEARS	254	276	301	328	196	212	229	248	167	179	193	208
49 YEARS	240	260	281	305	188	203	218	235	162	173	185	199
50 YEARS	224	241	260	280	178	190	204	219	153	164	175	187
51 YEARS	207	222	238	256	166	177	189	202	144	153	163	174
52 YEARS	191	204	218	233	155	165	176	187	136	144	153	162
53 YEARS	177	188	200	213	146	155	164	174	129	136	144	152
54 YEARS	164	173	183	193	137	144	152	160	122	128	135	142
55 YEARS	150	158	166	175	128	134	140	147	115	120	126	132
56 YEARS	137	143	150	157	118	123	129	134	107	112	116	121
57 YEARS	122	127	132	137	106	111	115	119	97	101	105	109
58 YEARS	107	111	115	119	95	98	102	105	88	91	94	97
59 YEARS	91	94	97	100	82	85	87	90	77	79	81	83
60 YEARS	77	79	81	83	70	72	73	75	66	67	69	71
61 YEARS	63	64	65	67	58	59	60	62	55	56	57	59
62 YEARS	47	48	48	49	44	45	46	46	42	43	44	44
63 YEARS	34	34	34	35	32	33	33	33	31	32	32	32
64 YEARS	14	14	14	14	14	14	14	14	14	14	14	14

Table 4. Expected Lifetime Earnings in 1979, for Female Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	716	916	1 189	1 564	369	448	552	690	255	300	358	432
19 YEARS	691	882	1 141	1 494	355	432	533	666	243	288	344	417
20 YEARS	683	866	1 112	1 443	358	433	531	659	248	292	347	418
21 YEARS	675	849	1 081	1 393	360	433	528	651	252	295	350	419
22 YEARS	664	831	1 051	1 343	361	432	523	642	255	297	351	418
23 YEARS	654	812	1 019	1 294	361	430	518	632	257	299	351	416
24 YEARS	642	792	988	1 245	360	427	512	621	259	300	351	414
25 YEARS	630	773	957	1 197	359	424	506	610	260	300	350	411
26 YEARS	617	752	926	1 150	357	420	498	597	261	300	348	407
27 YEARS	604	731	894	1 104	354	415	490	584	261	299	345	402
28 YEARS	589	710	863	1 058	351	409	481	571	260	297	342	397
29 YEARS	575	688	832	1 013	347	403	472	557	259	295	338	391
30 YEARS	557	665	799	967	340	394	460	541	255	290	332	383
31 YEARS	542	643	768	924	336	387	450	526	253	287	327	376
32 YEARS	527	622	738	883	331	380	439	512	251	284	323	369
33 YEARS	512	601	709	842	326	373	429	497	249	281	318	363
34 YEARS	497	580	681	803	321	365	419	483	247	277	313	356
35 YEARS	482	559	652	765	315	357	408	468	244	273	308	348
36 YEARS	465	537	623	727	308	348	396	453	241	269	301	339
37 YEARS	450	517	596	691	302	340	385	438	238	265	296	332
38 YEARS	433	495	568	655	295	330	372	422	233	259	288	322
39 YEARS	415	472	539	618	286	319	359	404	227	252	279	312
40 YEARS	399	452	513	584	278	310	346	389	223	246	272	302
41 YEARS	385	433	489	554	272	302	336	375	220	242	267	295
42 YEARS	370	414	465	523	266	293	325	361	217	237	260	287
43 YEARS	355	395	441	493	259	284	313	346	213	232	253	278
44 YEARS	332	368	410	457	243	267	294	324	200	218	238	261
45 YEARS	316	349	386	428	234	256	281	308	195	211	230	251
46 YEARS	300	329	363	400	226	246	268	293	189	204	221	241
47 YEARS	286	312	342	375	218	236	257	279	184	198	214	232
48 YEARS	266	290	316	345	205	222	240	260	174	187	201	217
49 YEARS	252	273	296	321	197	212	229	246	169	181	194	208
50 YEARS	236	254	274	296	187	200	215	231	161	172	184	197
51 YEARS	221	237	254	273	178	189	202	216	154	164	175	186
52 YEARS	207	221	236	252	169	179	191	203	148	157	166	176
53 YEARS	190	202	215	228	157	166	176	187	139	147	155	164
54 YEARS	177	187	197	208	149	156	165	173	133	139	146	154
55 YEARS	162	170	178	187	138	145	151	159	124	130	136	142
56 YEARS	145	151	158	165	125	131	136	142	114	118	123	129
57 YEARS	130	135	140	146	114	118	122	127	104	108	112	116
58 YEARS	113	117	121	125	101	104	108	111	93	96	99	103
59 YEARS	98	101	104	107	89	91	94	96	83	85	88	90
60 YEARS	80	82	84	86	73	75	76	78	69	70	72	74
61 YEARS	63	65	66	67	59	60	61	62	56	57	58	59
62 YEARS	46	47	47	48	43	44	45	45	41	42	43	43
63 YEARS	33	34	34	34	32	32	32	33	31	31	31	32
64 YEARS	15	15	15	16	15	15	15	15	15	15	15	15
COLLEGE: 4 YEARS												
18 YEARS	846	1 102	1 454	1 942	410	508	639	814	273	327	397	490
19 YEARS	846	1 092	1 427	1 887	423	519	646	815	287	341	410	501
20 YEARS	830	1 065	1 383	1 817	420	514	637	800	286	339	407	496
21 YEARS	823	1 047	1 349	1 757	425	517	636	793	293	346	413	499
22 YEARS	811	1 025	1 311	1 695	426	516	631	782	296	348	414	498
23 YEARS	800	1 004	1 275	1 635	428	515	627	772	300	351	416	498
24 YEARS	786	981	1 237	1 575	428	512	620	760	302	353	416	495
25 YEARS	772	957	1 199	1 515	426	508	613	746	304	353	415	492
26 YEARS	758	934	1 161	1 458	425	505	605	733	305	354	414	489
27 YEARS	743	909	1 124	1 401	423	500	596	718	306	353	411	484
28 YEARS	727	885	1 086	1 345	420	494	587	704	306	352	409	479
29 YEARS	711	860	1 049	1 290	417	488	577	688	305	350	406	474
30 YEARS	694	835	1 013	1 237	413	482	567	673	305	349	402	468
31 YEARS	677	810	976	1 184	408	475	556	656	303	346	398	461
32 YEARS	660	785	940	1 133	403	467	545	640	301	343	393	454
33 YEARS	643	760	905	1 084	398	460	534	624	300	340	389	447
34 YEARS	623	734	868	1 033	391	450	520	605	296	335	382	437
35 YEARS	606	709	834	986	386	441	508	588	294	332	376	429
36 YEARS	588	685	801	941	380	433	496	572	291	328	371	421
37 YEARS	570	660	767	896	373	424	484	555	289	324	365	413
38 YEARS	553	636	736	853	367	415	472	538	286	320	359	405
39 YEARS	533	610	701	809	358	404	457	519	281	313	350	394
40 YEARS	516	588	672	770	353	395	445	503	279	309	345	386
41 YEARS	500	566	642	731	347	387	434	487	277	306	339	378
42 YEARS	484	544	614	694	341	379	422	471	274	302	334	370
43 YEARS	468	524	587	660	336	371	411	457	273	299	329	363
44 YEARS	452	502	559	624	329	362	399	441	271	295	323	354
45 YEARS	434	480	531	589	322	352	386	424	267	290	315	344
46 YEARS	411	452	498	550	308	336	367	401	257	278	302	329
47 YEARS	382	419	460	506	289	314	342	374	242	261	283	308
48 YEARS	362	395	431	471	277	300	326	354	233	252	272	294
49 YEARS	346	375	407	442	269	290	313	338	229	246	265	285
50 YEARS	327	352	380	411	258	277	297	320	222	237	253	272
51 YEARS	310	332	357	383	249	266	284	304	216	230	245	261
52 YEARS	291	310	331	353	238	252	268	285	208	221	234	248
53 YEARS	274	290	307	326	227	240	253	268	201	212	224	236
54 YEARS	255	269	284	299	216	227	238	250	194	203	213	223
55 YEARS	226	238	249	262	193	202	212	222	174	182	190	199
56 YEARS	202	211	220	230	174	182	190	198	159	165	172	179
57 YEARS	185	192	200	207	163	169	175	182	150	156	161	167
58 YEARS	157	162	167	173	140	144	149	154	129	133	138	142
59 YEARS	134	138	142	146	121	125	128	132	113	117	120	123
60 YEARS	110	113	115	118	101	103	106	108	95	97	100	102
61 YEARS	91	93	95	96	85	87	88	90	81	83	84	86
62 YEARS	59	60	60	61	55	56	57	58	53	54	54	55
63 YEARS	41	41	42	42	39	39	40	40	38	38	39	39
64 YEARS	20	20	20	20	19	20	20	20	19	19	19	19

Table 4. Expected Lifetime Earnings in 1979, for Female Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	955	1 245	1 642	2 189	456	569	719	918	296	359	441	547
19 YEARS	955	1 233	1 611	2 126	470	581	727	920	312	375	455	560
20 YEARS	956	1 222	1 580	2 066	485	594	735	921	328	391	470	573
21 YEARS	956	1 211	1 550	2 007	500	606	743	923	346	407	486	585
22 YEARS	941	1 183	1 505	1 933	500	603	736	908	348	409	485	583
23 YEARS	926	1 157	1 461	1 864	500	601	729	895	351	411	486	581
24 YEARS	914	1 133	1 420	1 797	503	601	724	883	357	416	489	581
25 YEARS	900	1 109	1 379	1 732	505	599	719	870	362	419	491	580
26 YEARS	884	1 082	1 337	1 666	504	595	710	855	364	421	490	577
27 YEARS	867	1 055	1 294	1 602	502	591	701	840	366	422	489	573
28 YEARS	850	1 027	1 252	1 539	500	586	691	823	368	422	487	568
29 YEARS	832	999	1 210	1 477	498	580	681	806	369	421	485	563
30 YEARS	814	971	1 168	1 416	495	573	670	789	370	421	482	557
31 YEARS	794	942	1 126	1 356	490	565	657	770	369	418	478	549
32 YEARS	773	912	1 084	1 297	484	556	644	751	368	415	473	541
33 YEARS	752	883	1 042	1 239	478	547	630	731	366	412	467	532
34 YEARS	731	853	1 001	1 182	471	537	616	710	363	408	460	523
35 YEARS	710	824	961	1 128	465	528	602	691	361	404	454	514
36 YEARS	685	791	918	1 071	454	513	583	667	355	396	444	500
37 YEARS	655	753	870	1 010	438	494	560	637	343	382	428	481
38 YEARS	633	724	831	959	429	481	543	616	338	376	419	470
39 YEARS	610	694	792	909	419	468	526	594	333	369	410	457
40 YEARS	587	665	755	861	409	456	510	572	328	361	400	445
41 YEARS	566	637	719	815	400	444	494	552	323	355	392	433
42 YEARS	544	609	684	770	390	431	477	531	318	348	382	421
43 YEARS	514	573	640	718	371	409	452	501	304	332	364	400
44 YEARS	492	546	607	676	361	396	435	480	297	324	354	387
45 YEARS	470	519	574	636	350	382	419	459	291	316	343	374
46 YEARS	440	483	532	587	330	359	392	429	275	298	324	352
47 YEARS	418	458	501	550	319	346	376	409	268	289	313	339
48 YEARS	396	431	470	512	306	331	358	387	260	279	300	324
49 YEARS	377	407	441	479	296	318	342	368	253	271	290	312
50 YEARS	350	377	407	439	278	298	319	343	240	256	273	292
51 YEARS	329	352	378	405	265	282	301	322	230	245	260	277
52 YEARS	306	326	348	372	250	265	282	300	219	232	246	261
53 YEARS	281	298	317	337	233	246	260	276	206	217	229	242
54 YEARS	260	275	290	307	219	230	242	255	195	205	215	226
55 YEARS	238	250	263	276	203	213	223	234	183	192	200	210
56 YEARS	217	226	236	247	188	196	204	213	171	178	185	193
57 YEARS	192	200	208	216	169	175	182	189	155	161	167	173
58 YEARS	159	165	171	177	141	146	151	156	130	135	139	144
59 YEARS	137	141	145	150	123	126	130	134	114	118	121	125
60 YEARS	116	119	122	125	106	109	111	114	100	102	105	107
61 YEARS	97	99	101	103	90	92	94	96	86	88	89	91
62 YEARS	77	78	79	81	73	74	75	76	70	71	72	73
63 YEARS	46	46	47	47	44	44	44	45	42	43	43	44
64 YEARS	22	23	23	23	22	22	22	22	21	21	22	22

Appendix A. Definitions and Explanations

Population coverage. This report includes the civilian noninstitutional population of the United States.

Source of data. Three data files (the March 1979, March 1980, and March 1981 Current Population Surveys (CPS)) were combined to increase the sample size and thus reduce the variance on the 1979-centered mean earnings by single years of age, educational attainment, and sex.

Earnings. In each March CPS questions were asked on the amount of earnings received during the previous calendar year for all sample persons age 15 years old and over. Earnings are defined as the sum of amounts reported separately for (1) wages or salary which includes wages, salary, Armed Forces pay, commissions, tips, piece-rate payments, and cash bonuses earned; (2) net income from nonfarm self-employment income (gross receipts minus expenses) from one's own business, professional enterprise, or partnership; and (3) net income from self-employment income (gross receipts minus operating expenses) from the operation of a farm by a person on his/her own account, as an owner, renter, or sharecropper. The amounts recorded were earnings before deductions for personal taxes, bonds, pensions, union dues, Social Security, and Medicare.

Mean earnings. The mean earnings is the amount obtained by dividing the total earnings of a group by the number of units in that group. The mean earnings calculations for persons are based on persons with earnings.

Lifetime earnings. Lifetime earnings estimates represent a summation of the products of mean earnings estimates at each age, the number of survivors in the comparable population out of 100,000 at birth from an initial stipulated age to a terminal age divided by the comparable number out of 100,000 at birth who survived to the initial stipulated age, and the projected yearly employment rate at each age. Lifetime earnings estimates are a measure of the earnings that could be ex pected, on the average, by members of speci fic educational groupings in a lifetime i the lifetime-earnings estimates by age and educa tion, did not change from those existing i the reference years, if the projected yearl employment rates are accurate, and if lif expectancy rates remain the same.

Age. The age classification is based on th age of the person at his/her last birthday

Years of school completed. Data on years c school completed were derived from the combi nation of answers to questions concerning th highest grade of school attended by the per son and whether or not that grade was fin ished. The questions on educational attair ment apply only to progress in "regular schools. Such schools include graded public private, and parochial elementary and hig schools (both junior and senior); colleges universities; and professional schools Thus, regular schooling is that which ma advance a person toward an elementary schoc certificate, a high school diploma, or a col lege, university, or professional schoc degree. Schooling in other than regula schools was counted only if the credits ob tained were regarded as transferable to school in the regular school system.

Work experience. A person with work experi ence is one who did any civilian work fc pay or profit or worked without pay on family-operated farm or business on a part time or full-time basis during the calenda year preceding the survey.

Year-round, full-time worker. A year-rounc full-time worker is one who worked primaril at full-time civilian jobs for 50 weeks c more during the calendar year preceding th survey.

Productivity rate. The productivity rate i an adjustment for the growth in productivit in the economy. The adjustment for produc tivity is made to allow for improvements i

technology, the quality and skills of the labor force, and increased output per worker which result in real earnings growth. Four different productivity rates were used: 0.0 percent, 1.0 percent, 2.0 percent, and 3.0 percent.

Discount rate. The discount rate is required to allow for the fact that a dollar we expect to receive 20 years from now is not worth a dollar today. Its value today depends on the rate at which the future is discounted. Three different rates of discount were used: 0.0 percent, 3.0 percent, and 5.0 percent. These rates represent the difference between interest rates on savings and other investments and the rate of inflation.

Yearly employment rate. The employment rate is the percentage of all persons at a specific age who worked at any time during the calendar year. For purposes of this report, projections of labor force participation rates prepared by the Bureau of Labor Statistics, Department of Labor, were adjusted to reflect differences in employment rates among workers with different educational attainment and differences between March CPS yearly employment rates and average annual labor force participation rates.

Appendix B. Detailed Supplementary Tables

Table B-1. Mean Earnings in 1979, for All Workers and Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Sex

(IN 1981 DOLLARS. FOR MEANING OF SYMBOLS, SEE TEXT)

PRESENT AGE	MALE					FEMALE				
	LESS THAN 12 YEARS	HIGH SCHOOL 4 YEARS	COLLEGE 1 TO 3 YEARS	COLLEGE 4 YEARS	COLLEGE 5 YEARS OR MORE	LESS THAN 12 YEARS	HIGH SCHOOL 4 YEARS	COLLEGE 1 TO 3 YEARS	COLLEGE 4 YEARS	COLLEGE 5 YEARS OR MORE
ALL WORKERS										
18 YEARS	2 948	4 344	5 983	(B)	(B)	2 121	3 121	4 824	3 475	(B)
19 YEARS	5 404	6 821	4 283	(B)	(B)	2 808	4 735	2 996	16 319	(B)
20 YEARS	7 145	9 484	4 893	7 007	11 355	4 659	6 615	3 788	5 734	(B)
21 YEARS	7 582	11 977	6 797	5 826	12 252	4 203	7 275	5 123	5 844	16 289
22 YEARS	9 054	13 955	9 312	6 709	7 297	4 806	8 035	7 051	6 087	4 755
23 YEARS	10 280	13 970	12 217	10 258	8 726	5 105	7 933	8 349	9 846	6 889
24 YEARS	11 699	15 091	14 797	14 719	10 736	6 172	8 456	9 770	11 491	11 241
25 YEARS	13 384	17 103	16 006	17 706	15 615	5 051	9 090	10 401	11 832	12 725
26 YEARS	13 629	17 361	17 671	19 057	16 080	5 719	9 902	10 118	12 958	13 643
27 YEARS	13 452	18 158	18 312	19 641	17 834	7 127	9 587	11 358	12 624	14 036
28 YEARS	16 128	19 291	19 196	21 831	20 679	6 361	9 275	11 638	13 623	16 097
29 YEARS	14 562	19 255	20 813	23 837	24 655	7 591	9 435	12 420	12 864	14 268
30 YEARS	15 706	19 460	20 861	23 223	26 238	5 791	10 739	11 391	15 631	16 278
31 YEARS	15 889	20 247	22 712	26 395	26 229	7 790	9 795	12 489	13 804	17 249
32 YEARS	15 344	23 274	22 752	26 484	30 292	6 598	9 921	12 977	13 173	17 370
33 YEARS	17 692	22 738	24 250	30 285	31 496	8 326	11 164	12 807	13 319	18 464
34 YEARS	14 368	23 026	24 901	28 402	33 174	10 019	12 240	12 852	13 466	19 901
35 YEARS	18 178	24 818	28 153	31 560	35 600	9 206	11 386	11 457	13 249	20 427
36 YEARS	19 904	25 465	27 953	34 179	36 289	7 588	11 881	11 769	12 807	22 360
37 YEARS	17 552	25 219	28 833	34 411	38 075	7 319	10 699	12 213	13 631	18 665
38 YEARS	18 019	25 635	28 816	39 715	40 507	7 371	10 270	14 245	19 892	18 752
39 YEARS	16 440	25 328	31 767	38 727	38 374	9 877	11 397	11 153	15 357	21 232
40 YEARS	19 711	25 135	29 958	32 939	38 685	8 662	9 958	15 116	11 858	23 417
41 YEARS	18 325	23 926	25 855	34 438	42 739	8 756	11 479	13 814	17 546	19 235
42 YEARS	19 089	23 690	25 551	34 173	39 765	8 182	12 277	14 085	18 831	24 338
43 YEARS	24 477	25 723	31 565	34 200	42 454	10 355	10 167	18 235	14 543	18 121
44 YEARS	18 911	25 050	26 586	40 411	38 828	10 771	10 287	11 952	12 546	20 444
45 YEARS	20 322	25 293	35 362	36 963	41 776	7 480	11 738	14 502	17 291	26 684
46 YEARS	19 996	25 932	26 467	36 243	41 336	7 160	13 675	10 743	19 687	19 847
47 YEARS	20 971	27 019	27 294	36 429	43 900	9 389	10 694	13 507	15 000	20 431
48 YEARS	20 877	27 435	30 691	42 989	43 749	9 669	11 946	13 006	12 613	17 911
49 YEARS	20 425	28 241	35 179	39 404	43 979	7 960	13 046	13 388	17 008	22 231
50 YEARS	18 535	25 708	27 996	39 859	41 182	9 245	14 158	14 498	13 129	19 290
51 YEARS	19 939	28 438	31 127	42 870	41 662	10 559	13 488	16 043	14 700	19 935
52 YEARS	22 218	26 903	31 151	42 063	42 629	9 703	11 694	12 570	13 368	20 912
53 YEARS	19 881	27 571	31 188	41 730	44 834	8 948	11 429	15 497	15 863	18 856
54 YEARS	25 031	25 393	31 231	41 108	42 446	7 643	11 550	14 507	19 741	23 547
55 YEARS	19 923	24 401	30 618	38 254	45 575	8 776	11 133	17 108	22 514	20 276
56 YEARS	20 110	26 152	32 904	38 435	40 533	8 778	12 413	14 808	18 602	20 323
57 YEARS	19 865	24 586	32 620	37 790	40 440	8 578	12 261	14 406	21 493	24 351
58 YEARS	18 825	23 749	34 599	41 492	43 138	9 732	12 021	12 832	16 077	19 384
59 YEARS	20 017	25 855	27 684	36 832	38 962	10 073	11 070	15 421	16 534	18 157
60 YEARS	18 470	24 369	27 043	37 468	43 524	7 400	11 490	16 925	14 508	25 097
61 YEARS	18 107	22 484	26 874	38 978	50 311	7 043	13 779	14 397	20 828	15 977
62 YEARS	17 640	22 654	26 869	36 686	48 496	10 223	12 294	11 724	19 763	24 272
63 YEARS	18 116	20 451	26 745	35 012	43 488	7 212	15 017	11 224	14 670	17 338
64 YEARS	18 297	22 520	25 151	36 632	31 896	7 346	12 129	14 725	12 026	15 332
YEAR-ROUND FULL-TIME WORKERS										
18 YEARS	8 045	8 849	6 777	(B)	(B)	6 653	7 132	25 574	(B)	(B)
19 YEARS	9 513	11 693	10 566	(B)	(B)	6 801	8 948	8 240	16 539	(B)
20 YEARS	11 522	13 409	12 149	22 554	21 110	8 086	9 840	9 144	8 144	(B)
21 YEARS	11 212	15 260	13 200	11 375	(B)	9 063	10 362	10 501	12 370	16 289
22 YEARS	12 373	17 385	16 780	13 846	18 123	9 329	10 833	11 392	11 695	15 066
23 YEARS	13 055	16 947	17 147	15 348	20 211	9 904	11 098	11 725	13 956	13 220
24 YEARS	13 876	17 755	18 727	18 539	19 306	15 600	11 595	12 648	14 626	14 285
25 YEARS	16 512	19 723	19 638	20 683	22 497	9 421	12 431	13 535	14 759	16 879
26 YEARS	16 107	19 723	20 755	22 046	21 718	9 790	13 104	13 836	15 873	17 180
27 YEARS	16 204	20 610	21 261	21 680	22 158	10 633	12 837	14 671	16 105	18 021
28 YEARS	19 705	21 494	21 699	23 505	23 418	9 603	12 763	14 981	16 759	18 537
29 YEARS	16 627	21 782	22 276	24 824	28 264	11 288	13 366	17 756	16 873	18 791
30 YEARS	18 261	21 508	23 631	25 684	27 046	10 674	14 531	15 489	17 840	20 600
31 YEARS	16 717	22 306	23 644	27 942	28 607	10 956	14 466	15 546	17 967	21 656
32 YEARS	18 891	24 106	24 156	28 553	32 009	10 733	12 719	15 501	17 433	21 550
33 YEARS	18 692	23 749	25 240	30 096	33 353	9 727	14 221	15 397	19 844	21 817
34 YEARS	17 181	24 695	26 719	30 013	34 352	12 441	14 748	15 944	18 212	21 390
35 YEARS	20 876	27 108	27 779	32 272	37 167	11 954	14 906	16 819	18 221	25 797
36 YEARS	22 511	26 858	30 091	34 618	37 421	9 902	13 785	15 583	18 529	30 981
37 YEARS	20 499	26 705	31 013	36 451	40 113	10 845	15 175	17 553	17 917	23 154
38 YEARS	19 941	27 875	29 721	38 165	42 803	11 147	14 788	18 428	20 924	23 762
39 YEARS	18 038	27 497	33 746	38 988	41 052	13 460	13 768	16 839	17 272	23 286
40 YEARS	23 160	26 729	30 796	34 500	39 586	13 044	13 289	14 958	17 204	22 326
41 YEARS	20 882	25 819	27 532	34 809	42 805	10 117	13 951	15 290	17 385	22 878
42 YEARS	22 312	24 614	27 126	34 895	41 147	10 144	14 815	15 959	16 122	31 589
43 YEARS	29 416	27 226	33 030	35 882	43 197	15 037	13 734	23 856	17 606	22 842
44 YEARS	21 531	26 763	28 524	41 940	40 826	11 714	13 626	16 878	18 840	22 677
45 YEARS	23 153	27 415	37 558	37 641	45 380	10 977	15 330	16 709	24 348	32 018
46 YEARS	22 554	27 304	28 527	37 833	42 714	10 139	17 794	15 035	29 569	22 450
47 YEARS	22 917	27 705	28 861	38 181	45 188	12 026	15 308	20 658	21 781	23 390
48 YEARS	22 325	28 373	31 969	43 132	44 867	12 450	14 384	14 813	17 021	20 980
49 YEARS	22 749	29 307	36 615	41 984	46 171	10 516	17 304	17 058	20 763	27 734
50 YEARS	21 060	26 880	29 267	42 448	43 890	10 207	17 797	15 875	17 749	22 931
51 YEARS	22 491	30 166	33 337	43 999	43 812	12 174	16 493	14 807	20 476	24 019
52 YEARS	23 750	28 003	33 732	43 009	43 382	10 065	14 929	17 640	18 915	26 319
53 YEARS	20 998	26 179	28 937	43 107	44 603	10 678	14 404	14 498	19 335	22 174
54 YEARS	26 728	27 061	31 641	43 358	41 441	10 967	14 216	15 938	30 431	23 415
55 YEARS	21 779	25 790	32 123	41 389	48 007	12 775	14 106	17 859	25 906	22 956
56 YEARS	21 818	27 358	30 060	40 747	42 143	11 512	16 116	16 164	17 556	25 581
57 YEARS	22 387	26 597	33 698	40 509	42 786	10 999	15 174	17 032	29 791	34 174
58 YEARS	21 417	26 160	38 882	42 836	45 789	13 535	16 504	15 880	23 432	23 770
59 YEARS	22 403	27 755	29 653	37 537	41 335	10 724	15 478	19 103	25 094	21 465
60 YEARS	20 095	26 819	26 855	41 258	48 284	10 706	14 407	16 826	19 508	19 583
61 YEARS	21 467	25 257	29 551	42 519	49 024	10 554	16 164	17 943	33 216	20 736
62 YEARS	17 979	26 452	32 531	41 877	50 206	15 312	13 398	12 948	18 155	32 166
63 YEARS	23 411	26 261	31 550	41 409	43 251	13 552	19 697	18 079	20 924	23 276
64 YEARS	23 968	26 779	31 000	43 813	38 575	12 447	14 382	15 400	20 172	22 632

Table B-2. Projected Yearly Employment Rates, for Selected Years From 1979 to 2025, for All Men of Specified Age in 1979, by Years of School Completed and Selected Age Groups

(FOR MEANING OF SYMBOLS, SEE TEXT)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	1979	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
LESS THAN 12 YEARS OF SCHOOLING											
18 YEARS	73.9	78.6	93.4	87.0	95.5	89.1	87.4	88.2	82.1	67.6	41.8
20 YEARS	82.5	84.4	88.3	84.6	88.2	89.6	89.2	83.1	72.0	62.8	(X)
25 YEARS	88.6	88.5	84.9	88.5	89.7	89.2	83.1	72.0	62.8	(X)	(X)
30 YEARS	85.9	85.5	88.8	89.6	89.3	83.1	72.0	62.8	(X)	(X)	(X)
35 YEARS	90.0	89.2	89.5	89.5	83.2	72.0	62.8	(X)	(X)	(X)	(X)
40 YEARS	91.7	89.5	89.9	83.3	72.4	62.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	89.4	90.3	83.6	73.2	63.9	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	86.4	83.7	74.2	66.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	87.8	75.6	68.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	70.6	71.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	51.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
HIGH SCHOOL: 4 YEARS											
18 YEARS	86.0	90.5	95.1	96.4	95.6	97.5	96.4	91.9	87.4	77.6	50.9
20 YEARS	94.2	92.8	96.9	97.7	95.7	96.9	94.6	90.9	84.1	62.3	(X)
25 YEARS	95.3	97.1	98.0	96.0	97.0	94.6	90.9	84.1	62.3	(X)	(X)
30 YEARS	94.7	98.0	96.3	96.9	94.7	90.9	84.1	62.3	(X)	(X)	(X)
35 YEARS	96.8	96.8	96.8	94.9	91.0	84.1	62.3	(X)	(X)	(X)	(X)
40 YEARS	98.0	96.8	95.3	91.1	84.6	62.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	98.0	95.7	91.4	85.6	63.4	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	96.3	91.5	86.8	65.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	88.3	67.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	82.5	70.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	62.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 1 TO 3 YEARS											
18 YEARS	90.8	84.5	93.3	96.9	96.8	93.3	96.4	94.0	88.6	84.8	57.1
20 YEARS	84.8	88.4	94.4	97.5	98.0	97.1	93.1	94.1	88.2	73.8	(X)
25 YEARS	95.4	94.7	97.8	98.0	97.2	93.1	94.1	88.2	73.8	(X)	(X)
30 YEARS	95.8	98.0	98.0	97.1	93.2	94.1	88.2	73.8	(X)	(X)	(X)
35 YEARS	97.7	98.0	97.0	93.4	94.2	88.2	73.8	(X)	(X)	(X)	(X)
40 YEARS	98.0	97.0	93.8	94.4	88.8	73.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	96.7	94.2	94.7	89.8	75.0	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	97.3	94.8	91.0	77.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	92.7	80.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	83.9	83.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	70.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 4 YEARS											
18 YEARS	39.3	42.9	95.3	96.6	97.0	98.0	98.0	98.0	92.8	86.4	54.1
20 YEARS	98.0	94.6	98.0	96.3	96.9	98.0	97.5	96.7	84.7	83.8	(X)
25 YEARS	96.6	98.0	96.6	97.2	98.0	97.5	96.7	84.7	83.8	(X)	(X)
30 YEARS	98.0	97.3	97.6	98.0	97.6	96.7	84.7	83.8	(X)	(X)	(X)
35 YEARS	96.4	98.0	98.0	97.8	96.8	84.7	83.8	(X)	(X)	(X)	(X)
40 YEARS	98.0	98.0	98.0	96.9	85.3	83.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	97.5	98.0	97.3	86.2	85.3	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	97.2	97.4	87.4	88.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	89.0	91.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	78.0	94.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	66.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 5 YEARS OR MORE											
18 YEARS	39.3	42.9	83.6	97.1	95.4	96.7	98.0	98.0	97.0	69.4	66.3
20 YEARS	98.0	98.0	89.8	98.0	98.0	98.0	92.4	97.8	94.6	81.3	(X)
25 YEARS	92.5	90.0	98.0	98.0	98.0	92.4	97.8	94.6	81.3	(X)	(X)
30 YEARS	98.0	98.0	98.0	98.0	92.5	97.8	94.6	81.3	(X)	(X)	(X)
35 YEARS	98.0	98.0	98.0	92.7	97.9	94.6	81.3	(X)	(X)	(X)	(X)
40 YEARS	97.4	98.0	93.1	98.0	95.2	81.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	97.3	93.5	98.0	96.3	82.7	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	97.1	98.0	97.6	85.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	98.0	88.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	91.2	92.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	81.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

Table B-3. Projected Yearly Employment Rates, for Selected Years From 1979 to 2025, for All Women of Specified Age in 1979, by Years of School Completed and Selected Age Groups

(FOR MEANING OF SYMBOLS, SEE TEXT)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	1979	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
LESS THAN 12 YEARS OF SCHOOLING											
18 YEARS	60.9	52.0	62.6	70.8	72.9	90.6	73.8	61.1	50.8	39.4	24.7
20 YEARS	56.2	53.3	62.7	72.1	69.2	72.4	65.4	57.5	43.6	37.7	(X)
25 YEARS	51.8	54.3	67.4	66.5	70.2	65.4	57.5	43.6	37.7	(X)	(X)
30 YEARS	53.9	59.3	61.4	67.7	64.0	57.5	43.6	37.7	(X)	(X)	(X)
35 YEARS	51.0	54.3	63.0	61.9	56.7	43.6	37.7	(X)	(X)	(X)	(X)
40 YEARS	59.9	57.4	58.8	55.3	43.4	37.7	(X)	(X)	(X)	(X)	(X)
45 YEARS	64.7	56.0	53.6	42.9	37.7	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	57.5	52.6	42.4	37.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	43.8	41.8	37.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	35.4	37.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	25.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
HIGH SCHOOL: 4 YEARS											
18 YEARS	80.4	82.7	87.4	87.1	89.6	98.0	87.5	80.1	69.6	59.7	31.9
20 YEARS	83.1	83.1	90.6	88.0	91.7	95.6	85.4	73.6	62.3	51.8	(X)
25 YEARS	75.5	78.4	82.3	88.1	92.6	85.4	73.6	62.3	51.8	(X)	(X)
30 YEARS	73.2	72.3	81.4	89.4	83.5	73.6	62.3	51.8	(X)	(X)	(X)
35 YEARS	63.6	71.9	83.2	80.7	72.6	62.3	51.8	(X)	(X)	(X)	(X)
40 YEARS	75.1	75.7	76.7	70.9	61.9	51.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	73.9	73.1	68.7	61.3	51.8	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	67.8	67.3	60.6	51.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	62.9	59.7	51.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	48.9	51.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	32.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 1 TO 3 YEARS											
18 YEARS	86.1	82.7	93.1	98.0	97.7	98.0	97.0	80.4	87.7	67.8	46.3
20 YEARS	84.4	85.1	95.1	94.2	90.3	98.0	98.0	81.8	64.4	49.3	(X)
25 YEARS	83.6	82.3	88.1	86.7	98.0	98.0	81.8	64.4	49.3	(X)	(X)
30 YEARS	75.5	77.4	80.1	98.0	97.6	81.8	64.4	49.3	(X)	(X)	(X)
35 YEARS	74.9	70.8	95.3	94.4	80.7	64.4	49.3	(X)	(X)	(X)	(X)
40 YEARS	76.3	86.8	89.6	78.8	64.0	49.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	78.6	85.4	76.4	63.4	49.3	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	66.6	74.8	62.7	49.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	69.6	61.7	49.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	49.7	48.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	47.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 4 YEARS											
18 YEARS	35.7	38.3	98.0	98.0	91.4	98.0	95.1	81.3	74.3	47.0	46.3
20 YEARS	39.4	88.1	98.0	92.9	86.5	87.7	98.0	77.4	61.5	52.3	(X)
25 YEARS	96.9	92.1	86.9	83.0	84.9	98.0	77.4	61.5	52.3	(X)	(X)
30 YEARS	79.3	76.4	76.7	82.0	96.2	77.4	61.5	52.3	(X)	(X)	(X)
35 YEARS	81.0	67.8	76.3	93.0	76.3	61.5	52.3	(X)	(X)	(X)	(X)
40 YEARS	78.5	69.5	88.3	74.5	61.2	52.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	82.1	84.1	72.2	60.6	52.3	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	65.4	70.8	59.9	52.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	65.3	58.9	52.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	60.0	51.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	47.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 5 YEARS OR MORE											
18 YEARS	35.7	38.3	95.0	98.0	98.0	98.0	98.0	98.0	98.0	78.1	32.7
20 YEARS	39.4	39.4	98.0	98.0	98.0	98.0	98.0	98.0	77.0	69.6	(X)
25 YEARS	97.8	95.7	98.0	98.0	98.0	98.0	98.0	77.0	69.6	(X)	(X)
30 YEARS	88.5	96.8	98.0	98.0	98.0	98.0	77.0	69.6	(X)	(X)	(X)
35 YEARS	93.8	87.0	98.0	98.0	98.0	77.0	69.6	(X)	(X)	(X)	(X)
40 YEARS	89.2	94.6	94.0	98.0	76.6	69.6	(X)	(X)	(X)	(X)	(X)
45 YEARS	97.4	89.6	96.9	75.8	69.6	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	79.3	94.9	75.0	69.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	86.2	73.8	69.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	63.5	68.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	33.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

Appendix C. Source and Reliability of Estimates

SOURCE OF DATA

The estimates of lifetime earnings in this report are based on data obtained from the March 1979, March 1980, and March 1981 Current Population Surveys (CPS) conducted by the Bureau of the Census. The monthly CPS deals mainly with labor force data for the civilian noninstitutional population. Questions relating to labor force participation are asked about each member 14 years old and over in every sample household. In addition, supplementary questions are asked every March about money income and work experience for the previous year. The data obtained from these additional income and work experience questions were used in the lifetime earnings estimation procedure.

The CPS samples for March 1979 through March 1981 were initially selected from the 1970 census files with coverage in all 50 States and the District of Columbia. The sample is continually updated to reflect new construction. The following table provides a short description of the March 1979, 1980, and 1981 CPS. The sample areas are comprised of over 1,100 counties, independent cities and minor civil divisions in the Nation. Housing units which were eligible but not interviewed are those occupied units which were visited but interviews were not obtained because the occupants were not found at home after repeated calls or were unavailable for some other reason. The units which were not eligible are those which were visited but found to be vacant or otherwise not to be interviewed. For a description of the previous CPS sample designs, see the detailed reports in this series, Current Population Reports, Series P-60.

Procedures for estimating the annual earnings figures used as the basis for the lifetime earnings estimates involved the inflation of the weighted sample results to independent estimates of the total civilian noninstitutional population of the United States by age, race, and sex. These independent estimates are based on statistics from the 1980 decennial census of population; statistics on births, deaths, immigration and emigration; and statistics on the strength of the Armed Forces. The estimation procedure also involved a further adjustment so that husband and wife of a household received the same weight.

RELIABILITY OF ESTIMATES

Since the CPS estimates are based on a sample, they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same questionnaires, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. The standard

Description of the March Current Population Survey

Time period	Number of sample areas	Housing units eligible		Housing units not eligible
		Interviewed	Not interviewed	
March 1981.....	629	65,500	3,000	12,800
March 1980.....	629	65,000	3,000	12,500
March 1979.....	614	53,500	2,500	9,500

errors provided for this report primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration, but do not measure any systematic biases in the data. The full extent of nonsampling error is unknown. Consequently, particular care should be exercised in the interpretation of figures based on a relatively small number of cases or on small differences between estimates.

Nonsampling variability. Nonsampling errors can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness on the part of the respondents to provide correct information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all units with the sample (undercoverage).

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage, as compared to the level of the 1980 decennial census, is about 7 percent. It is known that CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for Black and other races combined than for Whites. Ratio estimation to independent age-sex-race population controls partially corrects for the bias due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the decennial census.

A coverage improvement sample was included in computing the estimates in order to provide coverage of mobile homes and new construction housing units which had no chance for selection in the CPS design. This sample is composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units. These new construction units are composed of those units where building permits were issued prior to January 1970 but construction was not completed by the time of the 1970 census (i.e., April 1970). The extent of other sources of housing undercoverage is unknown but believed to be small. The inclusion of this coverage improvement sample in the CPS does not have a significant effect on the estimates.

In most cases the questionnaire entries for income are based on the memory or knowledge of one person, usually the wife. The memory factor in data derived from field surveys of income probably produces underestimates because the tendency is to forget minor or irregular sources of income. Other errors of reporting are due to misrepresentation or to misunderstanding as to the scope of the income concept.

Sampling variability. The standard errors that may be obtained using this appendix are primarily measures of sampling variability; that is, of the variation that occurred by chance because a sample rather than the entire population was surveyed. The sample estimate and its estimated standard error enable one to construct confidence intervals--ranges that would include the average result of all possible samples with a known probability. For example, if all possible samples were selected, each of these being surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.

2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.

3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples. The average estimate derived from all possible samples is or is not contained in any particular computed interval. However, for a particular sample, one can say with a specified confidence that the average estimate derived from all possible samples is included in the confidence interval.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common types of hypotheses are 1) the population parameters are identical, versus 2) they are different. An example of this would be comparing the mean annual income of men versus the mean annual income of women. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the parameters are different when, in fact, they are identical.

All statements of comparison in the text have passed a hypothesis test at the 0.10 level of significance or better, and most have passed a hypothesis test at the 0.05 level of significance or better. This means that, for most differences cited in the text, the estimated difference between parameters is greater than twice the standard error of the difference. For the other differences mentioned, the estimated difference between parameters is between 1.6 and 2.0 times the standard error of the difference. When this is the case, the statement of comparison will be qualified in some way; e.g., by use of the phrase "some evidence."

STANDARD ERRORS FOR ESTIMATES OF LIFETIME EARNINGS

Estimating the standard error of the estimate of lifetime earnings. Table C-1 shows standard errors in dollars for mean annual earnings by single years of age within designated age groups, sex, education completed, and work experience. Table C-2 contains factors by discount rates and productivity increases which are applied to the standard error of estimated lifetime earnings. The standard errors on estimated lifetime earnings can be calculated using the data in tables C-1 and C-2. This methodology is described below and an example is calculated in table C-3.

Illustration of the calculation of a standard error. Table 1 shows that the expected lifetime earnings for a 20 year old man with a high school education is $367,000, assuming a discount rate of 5 percent and an annual productivity increase of 1 percent. Using formula (1),

$$SE(PV_A) = \left[\sum_{N=A}^{64} k_N^2 \sigma_N^2 + 0.4 \sum_{N=A}^{63} K_N \sigma_N k_{N+1} \sigma_{N+1} \right]^{1/2} \quad (1)$$

where:

PV_A = The total estimated sum of earnings received between a given age A and age 64.

σ_N = The standard error in dollars on the mean annual earnings at age N from table C-1.

k_N = The factor from table C-2 needed to adjust for the discount rate and productivity increase.

the standard error is calculated as shown in table C-3.

Estimating the standard error of a difference. For a difference between two sample estimates the standard error is approximately equal to

$$\sigma_{(x,y)} = \sqrt{\sigma_x^2 + \sigma_y^2}$$

where σ_x and σ_y are the standard errors of the estimates x and y.

Illustration of the computation of the standard error of a difference. Table 1 of this report shows the estimated lifetime earnings for an 18 year old male with a high school education as $861,000 and an 18 year old male with 4 years of college as $1,190,000. The estimates of the standard errors of these estimates are $3,173 and $10,688, respectively. Therefore, the standard error of the estimated difference of $329,000 is

$$\sqrt{(3,173)^2 + (10,688)^2} = 11,000$$

This means that the 68-percent confidence interval on the difference of $329,000 as shown by these data is from $318,000 to $340,000. The 95-percent confidence interval on the difference of $329,000 is from $307,000 to $351,000. Therefore, a conclusion that the average estimate derived from all possible samples is within a range computed in this way would be correct for roughly 95 percent of all possible samples. Since this interval does not contain zero, we can conclude with 95 percent confidence that estimated lifetime earnings for 18 year old males with a high school education was lower than that of 18 year old males with 4 years of college.

Table C-1. Standard Errors for Mean Annual Earnings for All Persons and Year-Round, Full-Time Workers, by Single Years of Age Within Designated Age Groups, Years of School Completed, and Sex

Years of school completed and sex	Age (years)				
	18 to 24	25 to 34	35 to 44	45 to 54	55 to 64
MALE					
All Persons					
Less than 12 years.....	$215	$489	$565	$553	$557
High school: 4 years.....	190	286	412	448	496
College: 1 to 3 years.....	242	392	744	988	1,206
4 years.....	670	587	1,314	1,494	1,900
5 years or more...	1,210	955	1,517	1,849	2,343
Year-Round, Full-Time Workers					
Less than 12 years.....	$421	$590	$638	$611	$559
High school: 4 years.....	239	319	452	478	553
College: 1 to 3 years.....	401	424	802	1,062	1,310
4 years.....	1,022	637	1,381	1,505	2,016
5 years or more...	1,772	1,092	1,631	1,966	2,490
FEMALE					
All Persons					
Less than 12 years.....	$134	$222	$216	$200	$205
High school: 4 years.....	106	155	183	193	194
College: 1 to 3 years.....	199	283	391	442	465
4 years.....	477	351	553	633	705
5 years or more...	853	628	994	1,149	1,354
Year-Round, Full-Time Workers					
Less than 12 years.....	$531	$337	$308	$263	$317
High school: 4 years.....	146	186	232	236	223
College: 1 to 3 years.....	428	372	514	536	560
4 years.....	907	393	694	768	749
5 years or more...	1,291	735	1,181	1,254	1,722

Table C-2. Factors Applied to Standard Errors for Estimated Lifetime Earnings to Adjust for Discount and Productivity Rate Assumptions

Age	Discount rate of 0.0 percent with annual productivity increase of-				Discount rate of 3.0 percent with annual productivity increase of-				Discount rate of 5.0 percent with annual productivity increase of-			
	0.0	1.0	2.0	3.0	0.0	1.0	2.0	3.0	0.0	1.0	2.0	3.0
18 to 24 years...	1.0	1.54	2.37	3.62	0.26	0.40	0.62	0.95	0.11	0.16	0.25	0.38
25 to 34 years...	1.0	1.42	2.00	2.82	0.34	0.48	0.68	0.95	0.16	0.23	0.33	0.46
35 to 44 years...	1.0	1.28	1.64	2.10	0.46	0.59	0.76	0.96	0.27	0.35	0.45	0.57
45 to 54 years...	1.0	1.16	1.35	1.56	0.63	0.73	0.84	0.97	0.46	0.53	0.61	0.70
55 to 64 years...	1.0	1.05	1.11	1.16	0.85	0.89	0.93	0.98	0.76	0.80	0.84	0.87

Table C-3. Illustration of the Calculation of a Standard Error for Estimated Lifetime Earnings

Age group	Ages of interest	Number of ages of interest in age group	k_N	σ_N	$k_N^2 \sigma_N^2$	$0.4 \Sigma k_N \sigma_N k_{N+1} \sigma_{N+1}$
18 to 24 years	20 to 24 years	5	0.16	$190	$5[(.16)^2 ($190)^2] = $4,621	$0.4[4(.16)^2 ($190)^2 + (.16)($190)(.23)($286)] = $2,279
25 to 34 years	25 to 34 years	10	0.23	$286	$10[(.23)^2 ($286)^2] = $43,270	$0.4[9(.23)^2 ($286)^2 + (.23)($286)(.35)($412)] = $19,371
35 to 44 years	35 to 44 years	10	0.35	$412	$10[(.35)^2 ($412)^2] = $207,936	$0.4[9(.35)^2 ($412)^2 + (.35)($412)(.53)($448)] = $88,553
45 to 54 years	45 to 54 years	10	0.53	$448	$10[(.53)^2 ($448)^2] = $563,778	$0.4[9(.53)^2 ($448)^2 + (.53)($448)(.80)($496)] = $240,646
55 to 64 years	55 to 64 years	10	0.80	$496	$10[(.80)^2 ($496)^2] = $1,574,502	$0.4[9(.80)^2 ($496)^2] = $566,821

Thus,

$$SE(PV_{20}) = (\$4,621 + \$2,279 + \$43,270 + \$19,371 + \$207,936 + \$88,553 + \$563,778 + \$240,646 + \$1,574,502 + \$566,821)^{1/2} = \$1,820.$$

NOTE: This table is an illustration of the calculation of a standard error for estimated lifetime earnings for a 20-year-old male with a high school education, assuming a discount rate of 5 percent and an annual productivity increase of 1 percent.

Source: Tables C-1 and C-2.

Selected References

Corcoran, Mary and Greg J. Duncan, "Work History, Labor Force Attachment, and Earnings Differences Between the Races and Sexes," Journal of Human Resources, Vol. XIV, No. 1, Winter 1979, pp. 3-20.

Kitagawa, Evelyn M. and Philip M. Hauser, "Differential Mortality in the United States," American Public Health Association, Harvard University Press, 1973.

Mallan, Lucy B., "Labor Force Participation, Work Experience, and the Pay Gap Between Men and Women," Journal of Human Resources, Vol. XVII, No. 3, Summer 1982, pp. 437-448.

Miller, Herman P. and Richard A. Hornseth. "Present Value of Estimated Lifetime Earnings," Technical Paper No. 16, U. S. Department of Commerce, Bureau of the Census, 1967.

Mincer, Jacob and Haim Ofek. "Interrupted Work Careers: Depreciation and Restoration of Human Capital," Journal of Human Resources, Vol. XVII, No. 1, Winter 1982, pp. 3-24.

Mincer, Jacob and Solomon W. Polachek. "Earnings of Women," Journal of Political Economy, Vol. 82, No. 2, Part 1, March/April 1974, spp. 76-108.

O'Neill, June and Rachel Braun. "Women and the Labor Market: A Survey of Issues and Policies in the United States," Working Paper, Urban Institute, November 1981.

Sandell, Steven H. and David Shapiro. "Work Expectations, Human Capital Accumulation, and the Wages of Young Women," Journal of Human Resources, Vol. XV, No. 3, Summer, 1980, pp. 335-353.

Smith, Shirley J. "New Worklife Estimates Reflect Changing Profile of Labor Force," Special Labor Force Report, New Worklife Estimates, Bulletin 2157, U.S. Department of Labor, Bureau of Labor Statistics, November 1982.

Stevens, Joyce A. and Roger A. Herriot. "Current Earnings Differentials of Men and Women: Some Exploratory Regression Analyses," American Statistical Association Proceedings of the Social Statistics Section, 1975, pp. 673-678.

U.S. Bureau of the Census. "Annual Mean Income, Lifetime Income, and Educational Attainment of Men in the United States, for Selected Years 1956 to 1972," Current Population Reports, Series P-60, No. 92, Washington, D.C., U.S. Government Printing Office, 1974.

Vital Statistics of the United States, Vol. II, Section 5, Life Tables, 1978.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1983-380-998:524

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Official Business
Penalty for Private Use, $300

FIRST-CLASS MAIL
POSTAGE & FEES PAID
CENSUS
PERMIT No. G-58

Series P-60, No. 139, Lifetime Earnings Estimates for Men and Women in the United States: 1979

CURRENT POPULATION REPORTS

Consumer Income

Series P-60, No. 139

Lifetime Earnings Estimates for Men and Women in the United States: 1979

U.S. Department of Commerce
BUREAU OF THE CENSUS

University of Illinois
at Urbana-Champaign

College of Commerce
and Business Administration

Bureau of Economic
and Business Research

Illinois Business Review

Winter 1991 / Volume 48 / Number 4

Reprint No. 91-014

The Earnings Impact of Age, Education, Race, and Gender

William R. Bryan and Charles M. Linke

William R. Bryan and
Charles M. Linke

The Earnings Impact of Age, Education, Race, and Gender

Being middle-aged, well-educated, white, and male enhances earnings. Although these findings are not surprising, the reader may be interested in the specific benefits that attach to each of these attributes.

Loosely speaking, each additional year of experience during an individual's third decade of life expands real earnings by 1–2 percent; during that same decade each additional year of education increases earnings by more than 10 percent; being white, rather than Hispanic or black adds about 15 percent to average earnings; and being male adds more than 30 percent. As suggested, these averages are rough approximates. Their meaning is clarified substantially if looked at in context.

The Data

Quite apart from its decennial census, the Bureau of the Census conducts a monthly population survey as part of its continuing effort to keep track of demographic developments. The March survey typically concentrates on earnings and income. In October 1991 the Bureau of the Census published results of its 1991 March survey Money Income of Households, Families, and Persons in the United States: 1990, Bureau of the Census, U.S. Department of Commerce, Series P-60, No. 174, 1991). Data from this survey, which reports earnings for the preceding year, differentiate between and among earnings of males and females; whites, blacks and Hispanics; various levels of educational attainment, and various categories of age (Table 29, pp. 128–155 and Table 30, pp. 156–159).

In order to present the data in the formats used in the charts and tables of this article, interpolations were made based on common statistical techniques (see the box). These permit the data to be presented year-by-year fashion, rather than in unwieldy age intervals.

The Bureau of the Census does not report data in instances in which their sample base is less than 75,000. Consequently, for females generally and male Hispanics and blacks they are unable to report earnings data relating to all educational categories in each of their age groupings. These problems were more prominant among those born in the 1930s and 1940s than those born more recently. If it is possible to determine missing values, we do so. Otherwise, the estimates we show constitute interpolations beyond the range of the data we use for estimation. These data problems make us tentative in our interpretation of race and education statistics.

Life Cycle of Earnings

Earnings tend to begin low, rise well through middle age, then decline during the final years of an individual's work life. Presumably, this pattern of earnings is a reflection of the changes in an individual's productivity. In turn, the changes in productivity emerge from the gains associated with experience in the work force. Because the data presented here are cross-sectional — that is, they are observations taken at a single point in time, they do not reflect the changes in productivity that relate to changes in technology and, therefore, emerge with the passage of time. By virtue of that shortcoming, the data understate life cycle earnings.

For both men and women, the life cycle of earnings show increases

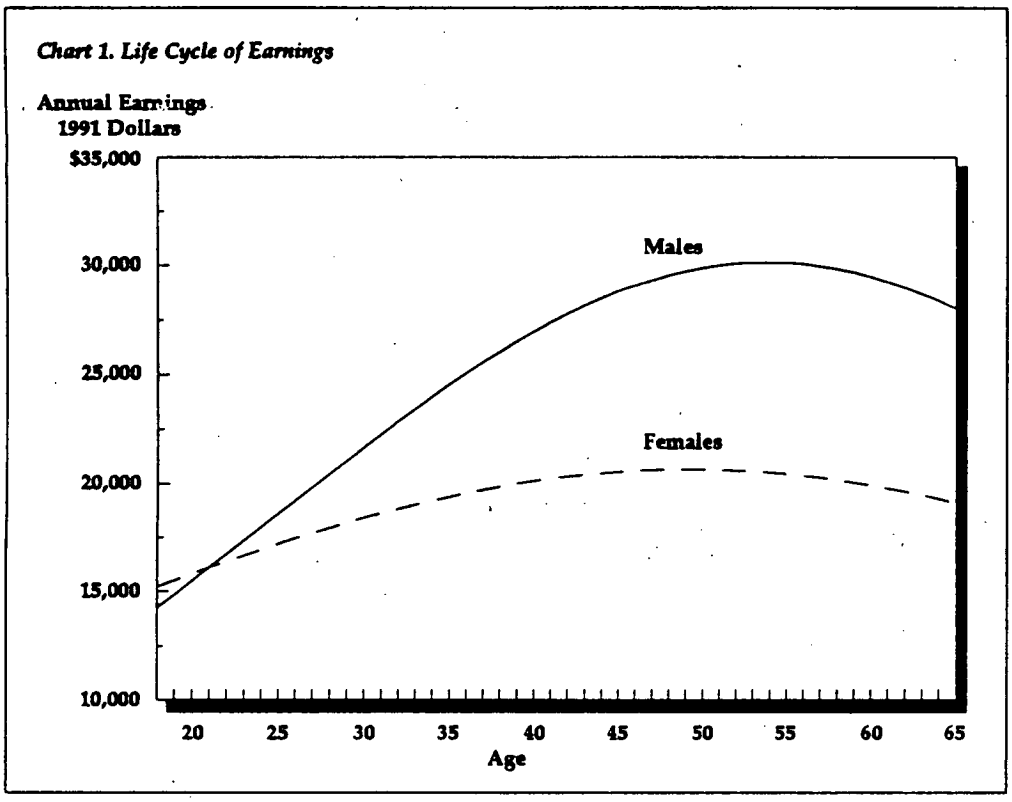
The general approach taken in preparing the estimates described herein is to view annual earnings as emerging from the following multiplicative process:

$$Y = (R) \times (G) \times (T) \times (LC)$$

where

R = race,
G = gender,
T = training, and
LC = life cycle.

In the work at hand, dummy variables (either 1 or 0) were used to stand in the place of white (W), black (B), or Hispanic (H); male (M) or female (F); and training was measured in terms of educational achievement. With respect to educational achievement, dummy variables were used to represent the following levels of education: eight years or less (E1), 1-3 years (E2), and four years of high school (E3), 1-3 years (E4), four years (E5), and five or more years of college (E6). Finally, the life cycle factors (LC) are estimated with an age variable (A) and, in order to take account of nonlinearity in the variable, age-squared (A^2). In addition, interaction terms were used between race and education.



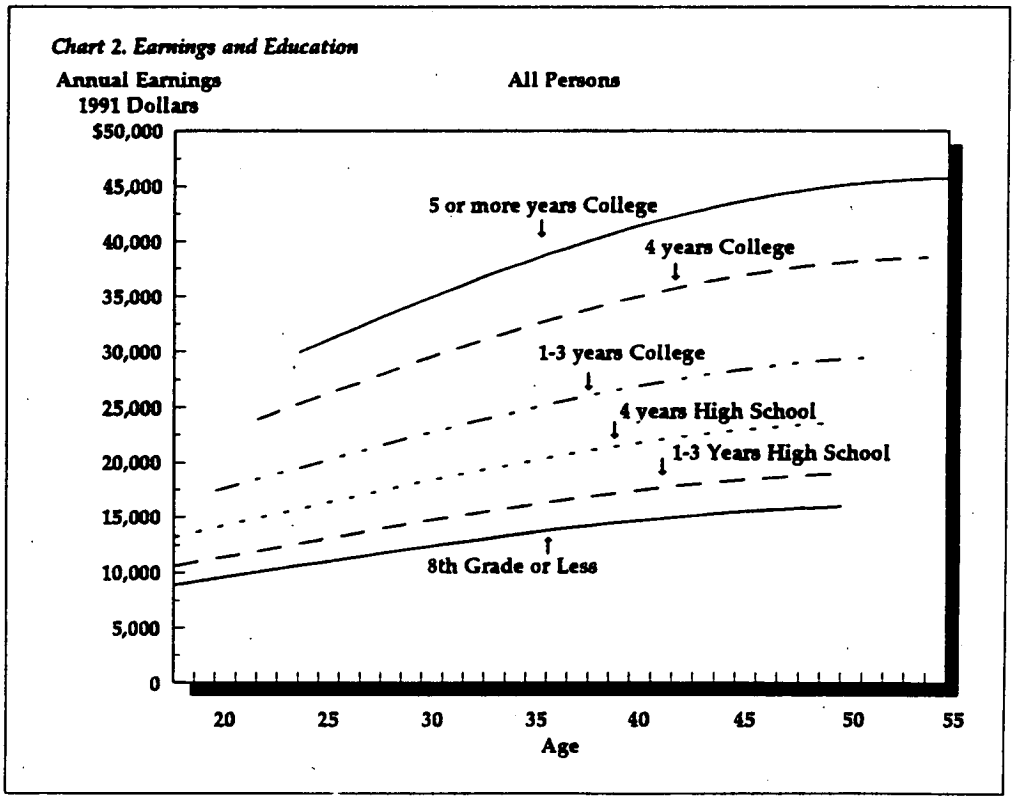
through the middle years, then show declines beginning in the late fifties. But there are marked differences in earnings patterns between the sexes. Chart 1 presents the life cycle earnings patterns of men and women during an arbitrary work life beginning at age 18 and ending at age 65, neglecting factors relating to education and race. The earnings of women do not rise nearly as much as those of men during the period when earnings are rising. At their zenith, average earnings of men reach a point (at age 55) that is 120 percent above its rate at age 18. For women, their average earnings peak (at age 51) at a rate that is only 40 percent higher than its pace at age 18.

In part, but only in part, the observed differential reflects the fact that age is an imperfect measure of experience, especially as that measure relates to women. For a variety of reasons — some related to child-bearing and raising children — women are much more likely to enter, then leave, then reenter the work force than are men. Hence, in comparing averages relating to men and women in Chart 1, there is an increased likelihood that, over substantial age ranges, men will possess greater average experience in the work force.

Education and Earnings

Clearly, expanded earnings are associated with increases in education. Even though entry into the work force is likely to be delayed for those who chose to continue their education, those earnings losses are more than made up by the higher annual earnings and a work life that extends into years at which experience is heavily valued.

Differences in earnings according to alternative levels of education are illustrated in Chart 2. For purposes of this chart, it is assumed that those with a high school education or less enter the work force at age 18; those with one to three years of college are depicted as entering the work force at age 20; those with four years of college are shown as



entering the work force at age 22; while those with five or more years of college are shown as entering the work force at age 24. In each case, it is assumed that the hypothetical earners are new entrants into the work force. The alternative worklife estimates are the average of data relating to men and women. The expected working life estimates the number of years a worker of a specific sex-age-education configuration is expected, on average, to continue his/her participation in the labor force. (For a discussion of the concept and for data see Worklife Estimates: Effects of Race and Education, US Department of Labor, Bureau of Labor Statistics, Bulletin 2254, February 1986.)

Suppose that a 16-year-old is considering the value of his or her high school education and is considering the value of additional education. It is reasonable to ask whether the higher earnings available to a high school graduate are sufficiently great to compensate for the fact that an individual must delay entrance into the work force. Even though earnings received later are inherently less valuable than earnings received now, there is a likelihood that money earnings will rise in the future. Moreover, there are out-of-pocket costs associated with attending college. Hence, it may be reasonable to draw comparisons between the costs of attending college and the anticipated future returns. The clear differences introduced by education are shown on Chart 2, and are summarized with regard to race and gender in Table 1.

Considering the summary statistics in Table 1, shown as weighted averages in the right-hand column, high school graduates have an average earnings capacity of $760,278 (stated in 1991 dollars), nearly 58 percent more than a person with one to three years of high school and almost 82 percent more than a worker with an eighth grade education or less. Similarly, a person with four years of college shows lifetime earnings of $1,273,835, nearly 70 percent greater than a high school graduate and more than 31 percent greater than a person with one to three years of college (Table 1). Finally, a person with five or more years of college shows lifetime earnings of $1,481,290 on average, 16.3 percent more than a college graduate and nearly twice the lifetime earnings of a high school graduate.

Part of the difference in lifetime earnings among those with different levels of education reflects the way this article has portrayed the concept of working lives. For ease of exposition, a person's worklife is depicted as though it begins at, say, 18 years of age for a male high school graduate, then extends continuously for the next 37.9 years. As a consequence of this approach, those who enter the labor force at an early age are shown as having their working life concentrated in the lower end of their potential life cycle of earnings. Conceptually, however, the 37.9 is not really a sum of years; it is a sum of probabilities. Each probability entering the sum is the probability that the 18-year old male high school graduate will be in the workforce at successive years in the future. That future runs to an age well into the late seventies (where it is truncated). Notwithstanding the expositional bias, we are confident that our interpretations of the data are not misleading.

*Table 1. Lifetime Earnings by Gender, Race and Education**

	in 1991 Dollars						
	Males			Females			
	White	Hispanic	Black	White	Hispanic	Black	Average*
8th grade or less	510,856 (34 yrs.)	449,712 (34 yrs.)	474,764 (34 yrs.)	226,762 (21.5 yrs.)	215,845 (21.5 yrs.)	206,887 (21.5 yrs.)	418,496
1-3 years high school	611,414 (33.4 yrs.)	575,965 (33.4 yrs.)	537,872 (33.4 yrs.)	282,742 (20.9 yrs.)	234,648 (20.9 yrs.)	241,179 (20.9 yrs.)	481,823
4 years high school	998,952 (37.9 yrs.)	810,259 (37.9 yrs.)	756,810 (37.9 yrs.)	479,234 (27.9 yrs.)	444,258 (27.9 yrs.)	433,210 (27.9 yrs.)	760,278
1-3 years college	1,228,183 (38.5 yrs.)	1,063,127 (38.5 yrs.)	1,022,247 (38.5 yrs.)	641,654 (30.3 yrs.)	642,549 (30.3 yrs.)	609,962 (30.3 yrs.)	971,174
4 years college	1,603,192 (37.1 yrs.)	1,380,846 (37.1 yrs.)	1,222,939 (37.1 yrs.)	774,070 (28.9 yrs.)	736,104 (28.9 yrs.)	811,090 (28.9 yrs.)	1,273,835
5 years college or more	1,795,990 (35.6 yrs.)	1,988,979 (35.6 yrs.)	1,392,919 (35.6 yrs.)	900,096 (27.3 yrs.)	791,142 (27.3 yrs.)	782,695 (27.3 yrs.)	1,481,290
Average*	1,208,434	827,208	851,410	591,143	465,334	517,668	

*Worklife estimates are in parentheses; averages are weighted by number of persons in each category.

Table 2. Distribution of Educational Attainment by Race and Gender

Educational Attainment	Males			Females		
	White	Hispanic	Black	White	Hispanic	Black
8th grade or less	4.75%	25.65%	6.81%	2.72%	17.69%	3.22%
1-3 years high school	6.98	13.50	12.00	5.92	11.46	10.74
4 years high school	36.64	32.35	44.41	41.68	36.86	42.12
1-3 years college	20.87	16.14	20.26	22.44	18.29	25.76
4 years college	17.29	7.49	11.06	16.42	9.53	11.97
5 years college or more	13.47	4.88	5.47	10.82	6.17	6.18

Race and Earnings

In terms of raw statistics, the average of 1990 earnings of white males was 46.1 percent higher than those of Hispanic males and nearly 42 percent higher than those of black males (for dollar magnitudes see bottom row of Table 1). In part, the differences in averages reflects the differences among the races in educational attainment and, hence, earnings. Among white males more than 50 percent have some college education, and just over 30 percent have four or more years of college education (Table 2). By comparison, among Hispanic males only 28.5 percent have some college education, and just over 12 percent have had four or more years of college (Table 2). Among black males 36.8 percent have some college education and nearly 16 percent have had four or more years of college.

The differences among races are markedly less, but substantial, if comparisons are made at comparable levels of education. It is noteworthy that some of the earnings differences narrow as education levels rise. Thus, for example, among high school graduates white males earn almost 23.3 percent more than Hispanic males and almost 32 percent more than black males. But among those with four years of college education white males earn 13.6 percent more than Hispanics; among those with five or more years of college Hispanic males show the greatest earnings. (The reader is reminded that data difficulties undermine our confidence in these estimates.)

Differences among females are somewhat less pronounced than those among males. Averages of median earnings of white females were 27 percent greater than earnings of Hispanic females and 14.2 percent greater than those of black females (see Table 1). Here again, however, a greater portion of white females had attained four or more years of college than among Hispanic or black females (Table 2).

At comparable levels of education the earnings differences among females were smaller than indicated by the overall average statistics. Among those with eight years of education or less, white females earned 5.1 percent more than Hispanic females and 9.6 percent more than black females. These differences were little changed among high school graduates, as white females earned nearly 8 percent more than Hispanic females and 6.2 percent more than black females. There was an interesting shift in positions among those females with four years of college; median earnings of white females averaged about 5.4 percent more than those of Hispanic females but nearly 4.6 percent less than for black females. Among females with five or more years of education the relative earnings of white females jumped sharply. White females earned nearly 14 percent more than Hispanic females and 15 percent more than black females. (Again, the reader is reminded that data difficulties, specifically small sample problems, indicate that these statistics are subject to pronounced sampling error.)

Earnings and Gender

Lifetime earnings of males are higher than those of females among all races and at each level of educational attainment (Table 3). Part of the difference in lifetime earnings reflects the fact that the worklife of males is substantially longer than the worklife of females with the same level of educational achievement. Even correcting for the differences in worklife, however, male earnings exceed female earnings by a substantial margin. The margin does not vary meaningfully among different races, nor is it ameliorated by educational achievement.

Table 3. Comparison of Average Annual Earnings of Females with Earnings of Males of Same Race and Education

Educational Attainment	White	Hispanic	Black
	(difference stated as a percent of male earnings)		
8th grade or less	-29.8	-24.1	-31.1
1-3 years high school	-26.1	-34.9	-28.3
4 years high school	-34.8	-25.5	-22.2
1-3 years college	-33.6	-23.2	-24.2
4 years college	-38.0	-31.6	-14.9
5 years college or more	-34.6	-48.1	-26.7

CURRENT POPULATION REPORTS

Consumer Income

Series P-60, No. 139
Issued February 1983

Lifetime Earnings Estimates for Men and Women in the United States: 1979

U.S. Department of Commerce
Malcolm Baldrige, Secretary
Guy W. Fiske, Deputy Secretary
Robert G. Dederick, Under Secretary for Economic Affairs

BUREAU OF THE CENSUS
Bruce Chapman,
Director

BUREAU OF THE CENSUS
Bruce Chapman, Director
C. L. Kincannon, Deputy Director
William P. Butz, Associate Director
for Demographic Fields

POPULATION DIVISION
Roger A. Herriot, Chief

ACKNOWLEDGMENTS

The report was prepared by **Dan L. Burkhead**, under the general direction of **John F. Coder**, Chief, Current Income Statistics Staff. Staff members contributing to the collection and compilation of the data and the preparation, analysis, and statistical review of the text were **Angela M. Feldman, Edward J. Welniak, Mary F. Henson**, and **Robert W. Cleveland. Shirley L. Smith** typed the report. Publication review assistance was provided by **Rosa B. Taylor.** Overall direction was provided by **Gordon W. Green, Jr.**, Assistant Division Chief (Socioeconomic Statistics Programs), Population Division. In the Statistical Methods Division, the section entitled "Standard Errors for Estimates of Lifetime Earnings" was prepared by **Christina L. Olsen**, and the sampling review was conducted by **Robert Tegels** and **Deborah Harner.**

SUGGESTED CITATION

U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 139, *Lifetime Earnings Estimates for Men and Women in the United States: 1979,* U.S. Government Printing Office, Washington, D.C., 1983.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Current Population Reports are sold in two subscription packages: Series P-20, P-23, P-27, and P-60 are available for $90 per year ($22.50 additional for foreign mailing); Series P-25, P-26, and P-28 are available for $22 per year ($5.50 additional for foreign mailing). The single-copy price of this report is $4.50.

Contents

	Page
Introduction	1
Estimates of lifetime earnings	2
Men	2
Women	3
Methodology	6
Yearly employment rates	6
Mean earnings	9
Limitations	9

TEXT TABLE

Expected lifetime earnings in 1979 for all persons and for year-round, full-time workers, by years of school completed, selected age groups, and sex . . . 3

CHARTS

Figure

1. Lifetime earnings estimates in 1979 for men, by years of school completed and age . . . 4
2. Lifetime earnings estimates in 1979 for women, by years of school completed and age . . 4
3. Lifetime earnings estimates in 1979 for men working year round full time, by years of school completed and age . . . 5
4. Lifetime earnings estimates in 1979 for women working year round full time, by years of school completed and age . . . 5
5. Comparison of annual employment rates in 1970 to 1979 for men and women 25 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 7
6. Comparison of annual employment rates in 1970 to 1979 for men and women 35 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 8
7. Comparison of mean earnings in 1970 to 1979 for men and women 25 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 10
8. Comparison of mean earnings in 1970 to 1979 for men and women 35 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 11

DETAILED TABLES

1. Expected lifetime earnings in 1979, for men 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates . . . 12

DETAILED TABLES—Continued

Page

2. Expected lifetime earnings in 1979, for women 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates. 15

3. Expected lifetime earnings in 1979, for male year-round, full-time workers 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates. 18

4. Expected lifetime earnings in 1979, for female year-round, full-time workers 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates. 21

APPENDIXES

Appendix A. Definitions and Explanations 25

Appendix B. Detailed Supplementary Tables. 27

Appendix C. Source and Reliability of Estimates. 31
Source of data 31
Reliability of estimates 31
Standard errors for estimates of lifetime earnings 33

Selected References. 37

APPENDIX TABLES

B-1. Mean earnings in 1979, for all workers and year-round, full-time workers 18 to 64 years old, by years of school completed, age, and sex 28

B-2. Projected yearly employment rates, for selected years from 1979 to 2025, for all men of specified age in 1979, by years of school completed and selected age groups. . . 29

B-3. Projected yearly employment rates, for selected years from 1979 to 2025, for all women of specified age in 1979, by years of school completed and selected age groups. 30

C-1. Standard errors for mean annual earnings for all persons and year-round, full-time workers, by single years of age within designated age groups, years of school completed, and sex. 34

C-2. Factors applied to standard errors for estimated lifetime earnings to adjust for discount and productivity rate assumptions. 35

C-3. Illustration of the calculation of a standard error for estimated lifetime earnings . 36

SYMBOLS USED IN TABLES

-	Represents zero or rounds to zero.
B	Base less than 75,000.
NA	Not available.
X	Not applicable.

Lifetime Earnings Estimates for Men and Women in the United States: 1979

INTRODUCTION

Almost everyone has asked themselves at one time or another, "How much money will I make in my lifetime?" Most have probably attempted to estimate this amount by multiplying their current annual earnings or some expected annual earnings by the number of years they plan to work. Using a more sophisticated approach this report presents estimates of expected lifetime earnings based on data collected in the March Current Population Survey (CPS). These expected lifetime earnings data, while somewhat speculative in nature, provide a scientific basis for examining expected future earnings at specified ages and differences in future earnings at various educational attainment levels.

While the Bureau of the Census has published expected lifetime earnings and income estimates in the past (the latest report issued in 1974 was Current Population Reports, Series P-60, No. 92), this report differs from these previous efforts in several respects. First, estimates of annual rates of employment by age have been incorporated into the procedures. Introduction of these probabilities of employment have improved on past estimation techniques since in past studies these employment rates were assumed to be 100 percent for all ages between 18 and 64 years. Second, estimates of the expected lifetime earnings for women were instituted for the first time. These estimates for women have been avoided in the past because their attachment to the work force is far less permanent than that of most men. However, because of widespread interest and numerous requests, we have developed estimates for women as well as for men. The reader is cautioned that the estimates for men and women are not directly comparable for a number of reasons, most of which are discussed later in this report.

The lifetime earnings estimates presented here are expected or average amounts based on cross-sectional earnings data by age, sex, and educational attainment for the years 1978, 1979, and 1980. Data for these three years were averaged in order to obtain a sample size large enough to support this study. The cross-sectional data reflect both current employment and earnings conditions and past social, demographic, and economic conditions that have led to the differences in earnings levels for persons of different ages, sexes, and educational attainment levels. Use of the cross-sectional earnings data assumes that current relationships are representative of the future. Therefore, the accuracy of these estimates is dependent on how closely these past trends reflect changes in the earnings levels over the next 50 years. The limitations section discusses the important assumptions required to develop these estimates and other considerations which should be noted before examining the data in detail.

The estimates represent the expected lifetime earnings from the specified age through age 64. It was assumed that persons did not begin working for pay until age 18 and ceased working at age 65. The estimates are shown for men and women for each age between 18 and 64 years. They are also shown for five educational attainment categories: less than 12 years, 12 years (high school), 1 to 3 years of college, 4 years of college, and 5 years or more of college.

Separate estimates have been provided for year-round, full-time workers. These estimates assume 100-percent employment rates for all ages between 18 and 64 years and are based on the mean earnings of year-round, full-time workers during the 1978-80 period.

The estimates of lifetime earnings are shown in terms of "present value" (constant 1981 dollars). Because the earnings estimates have been made for dollars to be received in the future, they have been discounted to present value by selected "real" interest rates (the difference between nominal interest rates and the rate of inflation). The values, therefore, can be thought of in terms of 1981 consumer prices. In addition to selected discount rates, the lifetime earnings estimates are shown by selected productivity rates. These rates represent the growth in real earnings after adjusting

for inflation. Each combination of discount and productivity rates yields a somewhat different estimate of expected lifetime earnings. The users must choose the combination of productivity and discount rates which they feel is most appropriate for their purpose.

ESTIMATES OF LIFETIME EARNINGS

The estimates of lifetime earnings[1] in this report represent the amounts, on average, that individuals with a specified set of characteristics can expect to earn in their lifetimes. The detailed tables contain national estimates for both men and women by educational attainment level and amount of annual work experience. The lifetime earnings for a specific individual may differ significantly from these group averages. Some factors which can help explain the differences between individual earnings levels are not available from the March CPS. These include the continuity of work experience over time, the type and quality of education and training, and motivation. Others, such as location of residence and occupation, are available, however, the sample size was too small to allow tabulations based on this information. Use of these additional variables would not change the overall estimates presented here, however, it would allow the derivation of estimates for more specific groups of the population.

Because we were unable to tabulate lifetime earnings estimates by some of the more detailed factors noted above, these estimates cannot be used to relate the difference between men's and women's lifetime earnings to issues such as discrimination, and differences in returns to education. These kinds of comparisons should be based on statistics for persons with similar educational backgrounds, occupations, and previous work experience.

Both occupation and the continuity of lifetime work experience have been shown to be important determinants of annual earnings levels in a study by Stevens and Herriot, "Current Earnings Differentials of Men and Women: Some Exploratory Regression Analyses," published in the American Statistical Association Proceedings of the Social Statistics Section, 1975. In this analysis, current occupation and breaks in employment over the working life were significant variables in a model designed to predict annual earnings levels for both men and women. Women with a potential of 20 years or more of work experience since age 25 had 13 percent lower annual earnings in 1972 if breaks of 2 to 4 years in employment occurred and 19 percent lower earnings if breaks of 5 or more years occurred. Men's earnings were also affected by similar interruptions. Comparable figures for men were 21 percent and 29 percent, respectively. If the future profile of the labor force's continuous work history changes from that of the current working population, the overall lifetime earnings estimates would be affected. This factor is especially important for women because much larger proportions of these workers experience significant breaks in employment. Current occupation is also a significant determinant of annual earnings levels, as shown by the study cited above. Any shift in the distribution of workers by occupation may also affect the estimates of lifetime earnings reported here.

The estimates in this report are useful for projecting a lifetime earnings stream, given that the future experiences of an individual are unknown. For example, the future earnings of a recent college graduate would depend on many decisions concerning marriage, career goals, family responsibilities, and family income requirements, as well as educational background, location, and job availability. The estimates here reflect the combined effect of these decisions and circumstances for the current labor force and provide an estimate for average or expected lifetime earnings.

The information in this report is also very useful in court settlements involving negligent death since it is not known what the individual's work experience and earnings would have been. It may also help to show, on average, the added value of a high school diploma or college degree.

Summaries of the expected lifetime earnings estimates by sex and work experience for selected years of school completed and for selected ages appear in the text table and in figures 1 through 4. These estimates are presented in constant 1981 dollars. They reflect the assumption of zero growth in productivity and have not been discounted (discount rate of zero).

Men

On the average, a man with a high school education will earn about $861,000 from age 18 to 64. This estimate compares to about $1,190,000 for men completing 4 years of college and $1,301,000 for men with 5 or more years of higher education. In contrast, men with less than 12 years of school will earn an average of $601,000 between age 18 and 64. Estimates restricted to men working year round full time during the 1979-81 period show that these workers have substantially higher expected lifetime earnings. These workers with a high school education will earn an average of $1,041,000. Year-round, full-time men with 4 years of college can expect earnings averaging about $1,392,000.

[1]The estimates of lifetime earnings in this section assume a discount rate and annual productivity rate of 0.0 percent.

Since these estimates assume a zero growth rate for productivity, any increase in productivity would result in higher estimated lifetime earnings.

Women

Women completing 4 years of high school will earn an average of $381,000, about 27 percent less than the estimate of $523,000 for women completing 4 years of college. Lifetime earnings estimates based solely on data for year-round, full-time workers indicate that these workers will earn, on average, about $634,000 and $846,000 for high school and 4-year college graduates, respectively.

Estimates of lifetime earnings for year-round, full-time workers have been based on the earnings levels of persons with many different lifetime work histories. If estimates could be derived for persons working continuously (or nearly so) throughout their working lives, lifetime earnings estimates for this specific group would be higher. This factor is more important for women than for men since women experience more breaks in employment during their working lives than men.

Expected Lifetime Earnings in 1979 for All Persons and for Year-Round, Full-Time Workers, by Years of School Completed, Selected Age Groups, and Sex

(Expected lifetime earnings in thousands of 1981 dollars. Based on discount rate and annual productivity rate of 0.0 percent)

Age and sex	Less than 12 years	High school 4 years	College 1 to 3 years	College 4 years	College 5 years or more
MALE					
All Persons					
18 years old	$601	$861	$957	$1,190	$1,301
25 years old	563	803	918	1,165	1,273
35 years old	441	624	736	956	1,065
45 years old	283	401	483	639	715
55 years old	121	178	230	298	352
Year-Round, Full-Time Workers					
18 years old	$845	$1,041	$1,155	$1,392	$1,503
25 years old	776	954	1,075	1,329	1,444
35 years old	614	750	864	1,097	1,196
45 years old	410	501	586	762	820
55 years old	203	249	297	388	422
FEMALE					
All Persons					
18 years old	$211	$381	$460	$523	$699
25 years old	188	330	411	474	673
35 years old	134	235	293	335	512
45 years old	77	145	175	207	316
55 years old	30	61	77	93	132
Year-Round, Full-Time Workers					
18 years old	$500	$634	$716	$846	$955
25 years old	437	567	630	772	900
35 years old	335	436	482	606	710
45 years old	222	300	316	434	470
55 years old	118	150	162	226	238

FIGURE 1. **Lifetime Earnings Estimates in 1979 for Men, by Years of School Completed and Age**

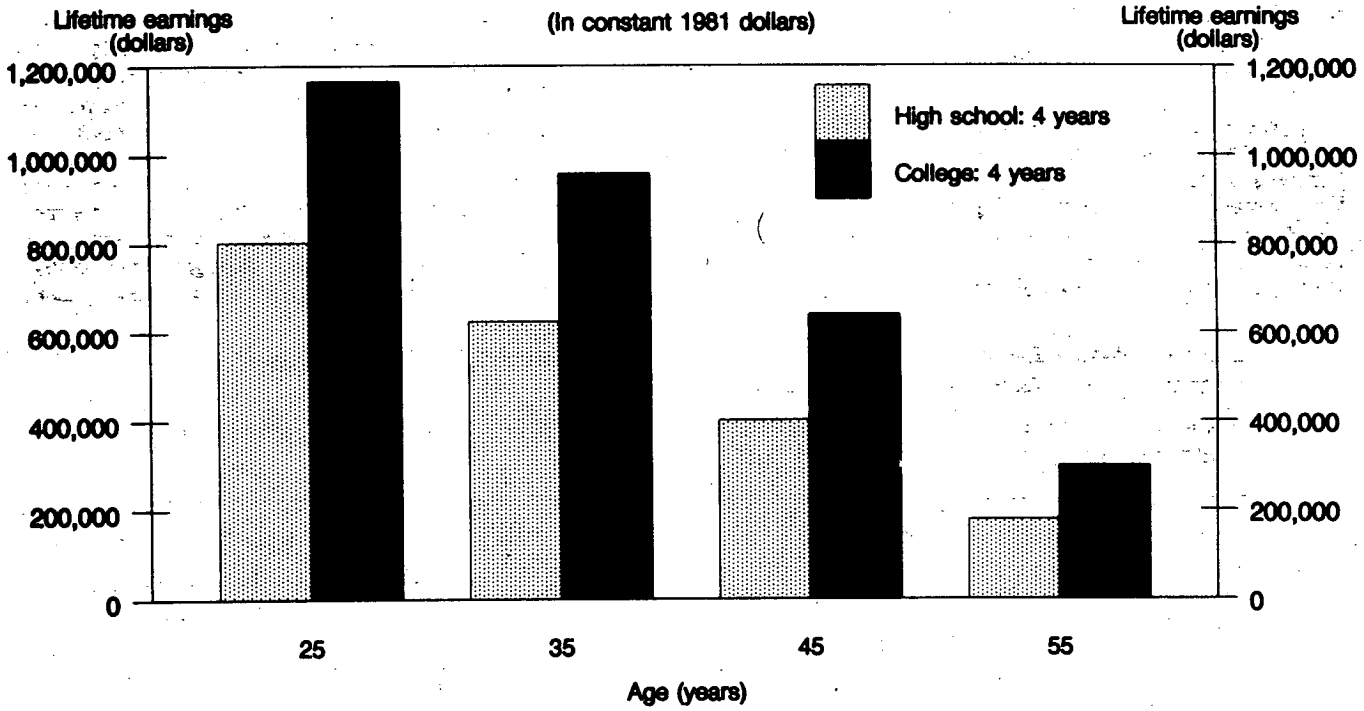


FIGURE 2. **Lifetime Earnings Estimates in 1979 for Women, by Years of School Completed and Age**

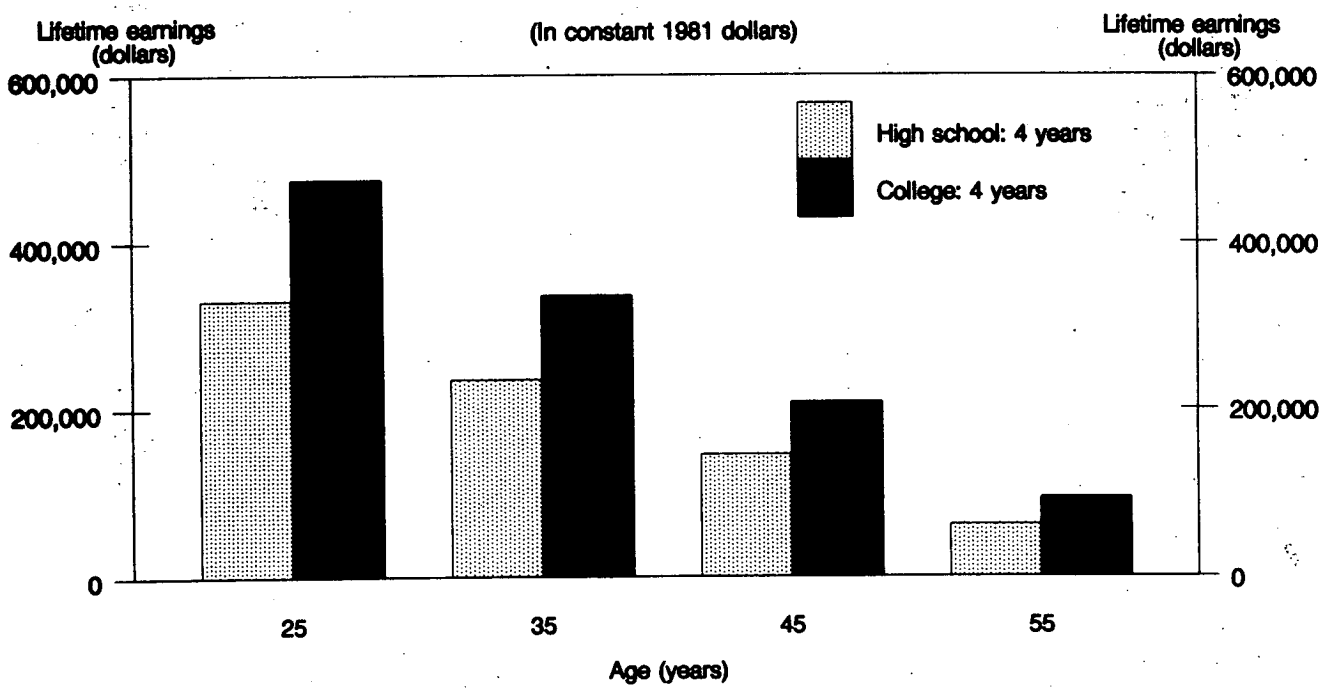


FIGURE 3. **Lifetime Earnings Estimates in 1979 for Men Working Year Round Full Time, by Years of School Completed and Age**

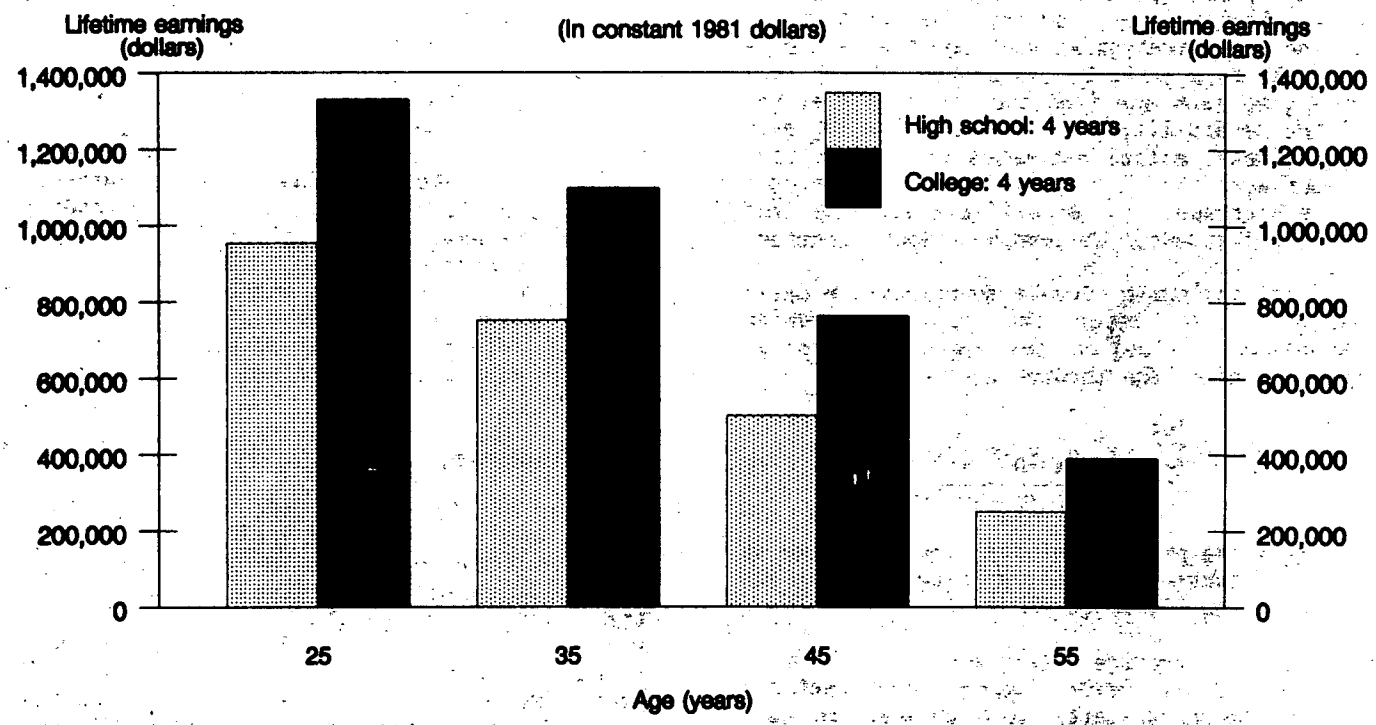
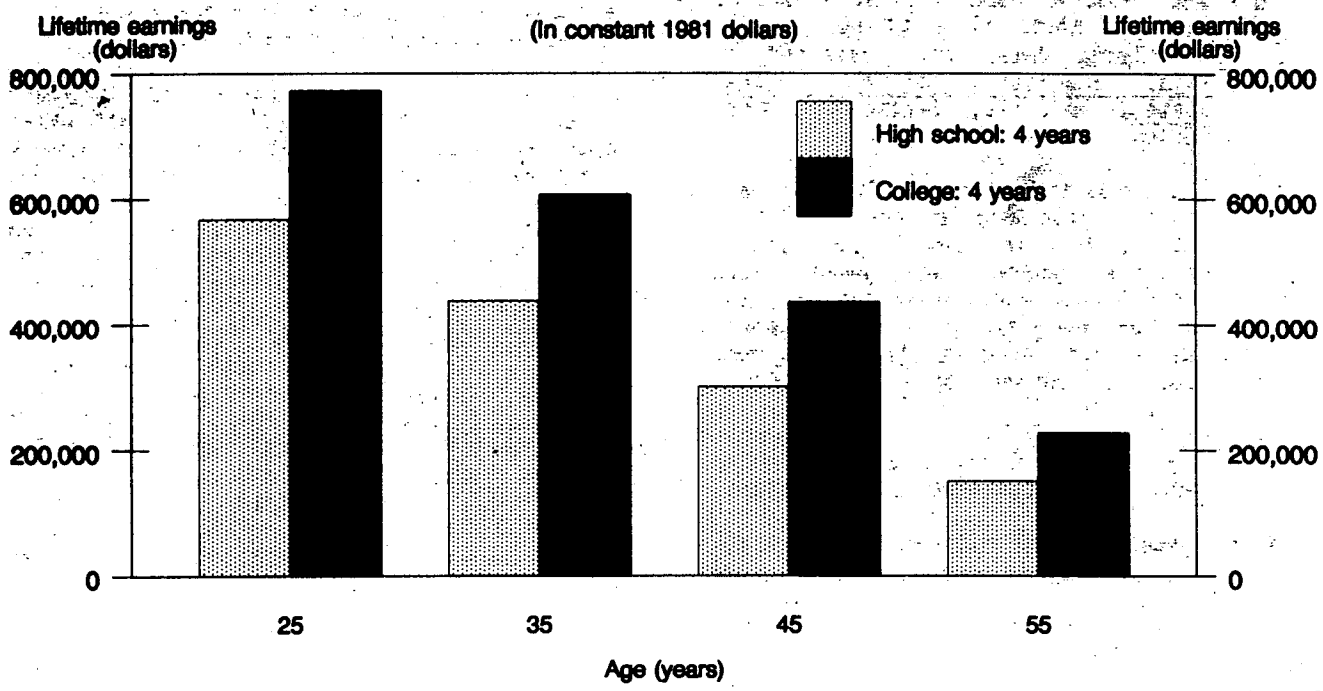


FIGURE 4. **Lifetime Earnings Estimates in 1979 for Women Working Year Round Full Time, by Years of School Completed and Age**



METHODOLOGY

Lifetime earnings estimates for persons were calculated by summing the product of 1) the mean earnings at each age from a specified age to age 64; 2) the probability of surviving to each age from the starting age; and 3) the probability of being employed at each age. These initial estimates derived in this manner were then adjusted to account for possible increases in annual productivity and finally discounted to present value (constant 1981 dollars).

The following formula describes the basic method used to prepare the estimates, showing the present value of the expected earnings from any given age through age 64.

$$PV_A = \sum_{N=A}^{64} \frac{Y_N P_N E_N C (1+X)^{N-A+\frac{1}{2}}}{(1+R)^{N-A+1}}$$

PV_A = The present value of the total sum of earnings received between a given age A and age 64.

Y_N = The average (mean) annual earnings at age N. These figures, 1979-centered earnings data, were derived by combining three March CPS files (1979, 1980, and 1981). Table B-1 of appendix B contains the mean earnings by single years of age, educational attainment, and sex used in the calculation of the lifetime earnings estimates.

P_N = The relative number of survivors at age N of those alive at age A. The underlying data are presented in Vital Statistics of the United States, Vol. II, Section 5, Life Tables (1978).

E_N = The predicted yearly employment rate at age N for a given age A. Tables B-2 and B-3 in appendix B contain predicted yearly employment rates for selected ages by educational attainment and sex. Each row in these tables contains predicted employment rates for cohorts of a given age in 1979.

C = Constant to convert 1979 lifetime earnings to constant 1981 dollars.

X = Assumed annual increase in earnings due to rising productivity. Four different values are used: 0.0 percent, 1.0 percent, 2.0 percent, and 3.0 percent. This factor is added to the equation to allow for the real growth in productivity. The exponent (N-A+½) assumes productivity growth to the midpoint of age N given age A.

R = The rate of discount used to convert future earnings to their present values. Three different rates of discount are used: 0.0 percent, 3.0 percent, and 5.0 percent. The exponent (N-A+1) assumes the discount rate for the year at age N given age A at the beginning of the year.

Yearly Employment Rates

For the first time the Bureau of the Census has incorporated yearly employment rates into the estimates of lifetime earnings. The inclusion of these rates is essential, particularly in the estimation of lifetime earnings for women. Previous reports on lifetime earnings, which did not consider yearly employment rates, tended to overestimate lifetime earnings. As indicated in tables B-2 and B-3 of appendix B, the projected yearly employment rates for women, while increasing significantly, are still considerably lower than those for men. For example, about 97 percent of men 25 years old in 1979 who completed college can expect to be employed at some time during the year 1990. Among women with the same education and age in 1979, about 83 percent are estimated to be employed in 1990.

The decision to use projections of yearly employment rates by age cohorts was based upon the expectation that future employment rates may differ significantly from current employment rates. If the last decade is any indication of future trends, this is, in fact, the case. For example, figures 5 and 6 compare annual employment rates from 1970 through 1979 using 1970 cross-sectional data and the actual age cohort data. While relatively small differences exist between yearly employment rates derived from the 1970 cross-sectional data and the actual cohort data for men, there is a definite trend toward increased employment rates for women. Employment rates for women based on 1970 cross-sectional data failed to reflect the significant increase in the percentage of women working during the 10-year period.

FIGURE 5. **Comparison of Annual Employment Rates in 1970 to 1979 for Men and Women 25 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**

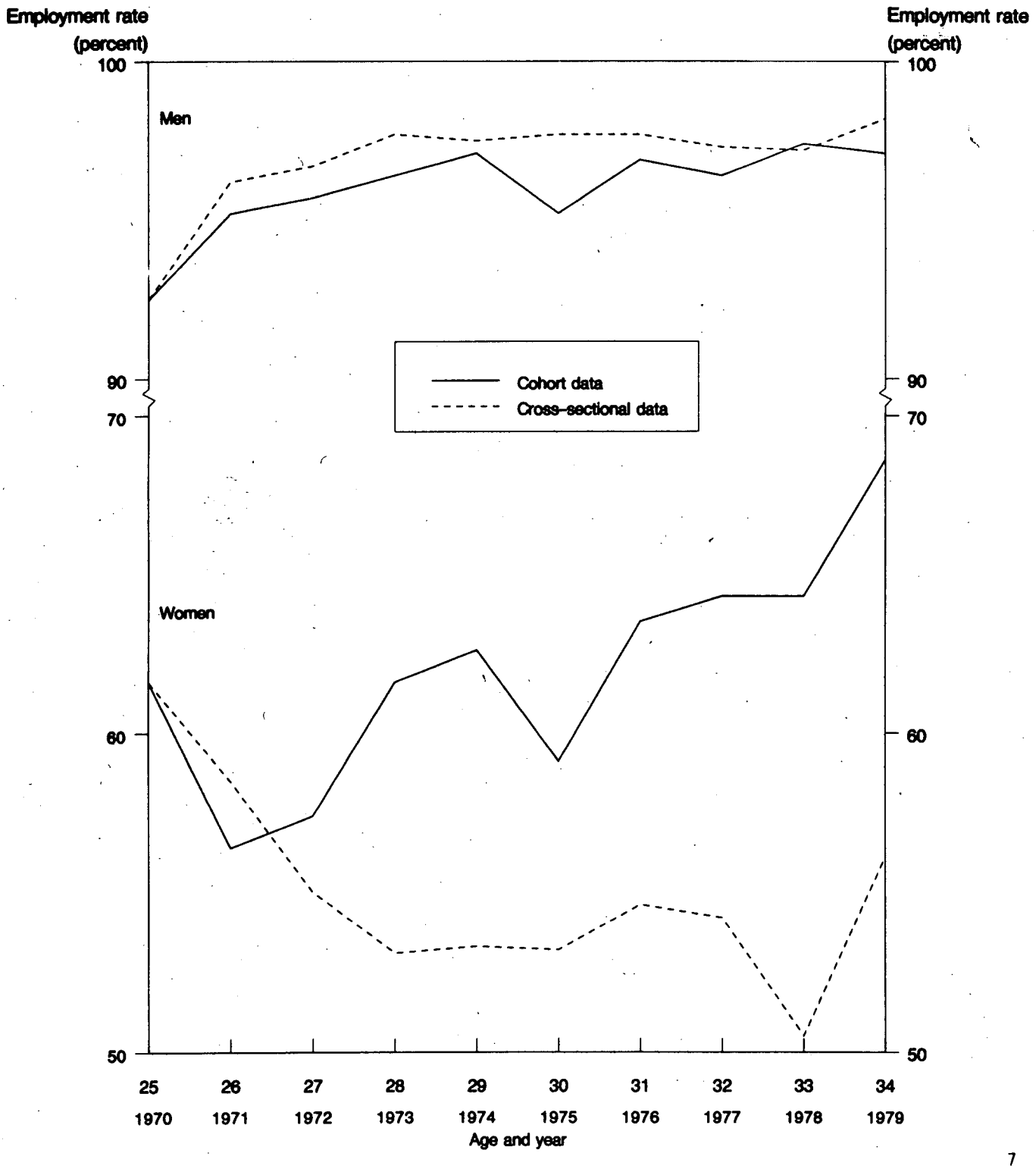
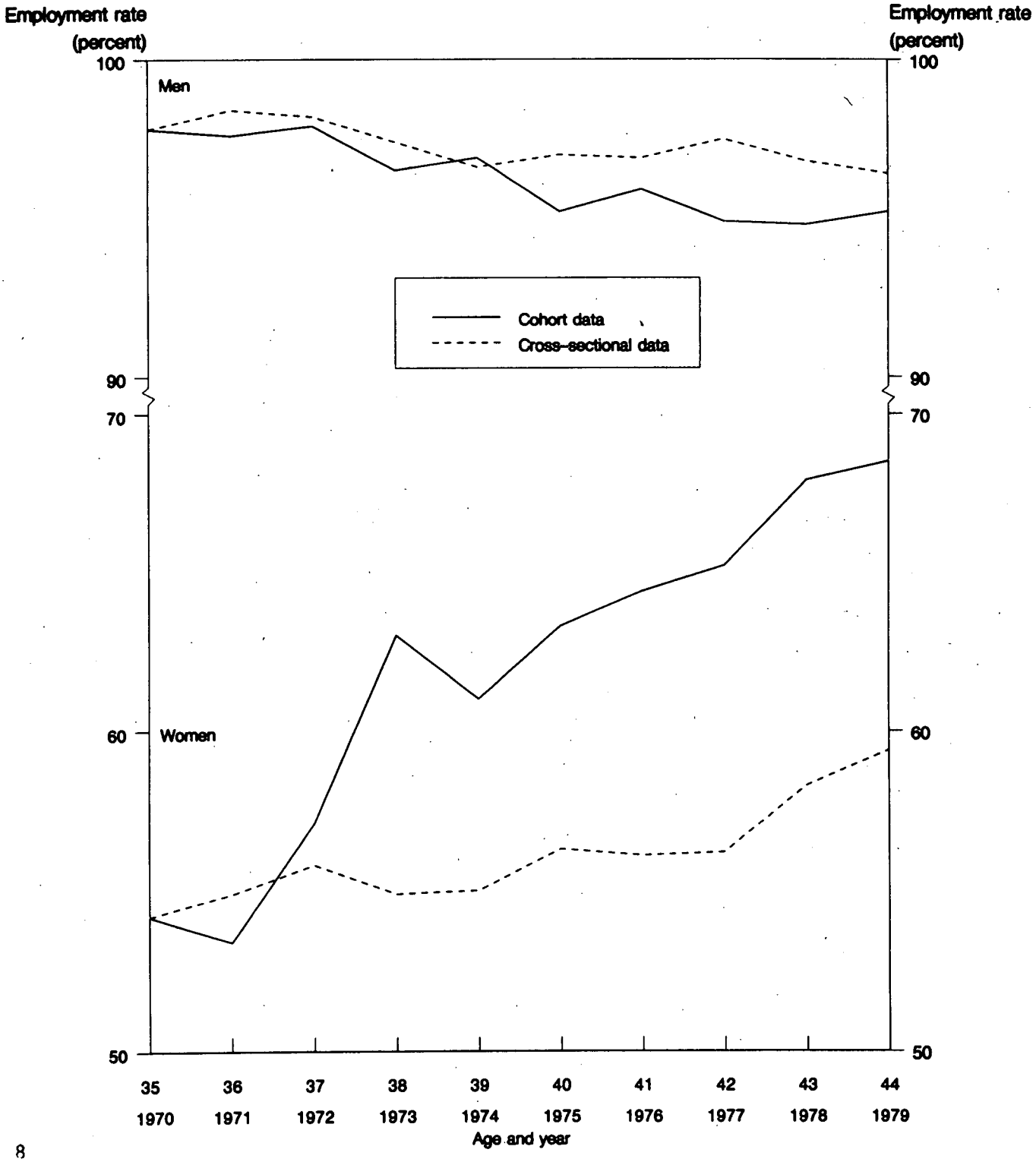


FIGURE 6. **Comparison of Annual Employment Rates in 1970 to 1979 for Men and Women 35 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**



Mean Earnings

The most critical assumption required in the estimation of lifetime earnings was that earnings levels during the 1978-80 period, i.e., cross-sectional data, be used to approximate future earnings patterns. In order to gain more insight into the validity of this assumption, data for each March CPS during the '70's were tabulated. The 1970 cross-sectional mean earnings data by age were then compared with the actual mean earnings for selected individual age cohorts. These comparisons are shown in figures 7 and 8. The charts compare mean earnings in constant 1970 dollars for men and women who were 25 and 35 years old in 1970. These charts indicate several important points. First, because the charts are in terms of constant dollars, any real growth in income during the 1970's would cause the cohort line to diverge on the upper side of the cross-sectional line. At the end point (1979)--this is the case for all four groups--the differences are relatively small. This is an indication of very little real growth in income for these groups during this period. Second, except for men, 35 years old, the cohort and cross-sectional lines are quite similar in shape and slope. Any wide divergence would be an indication that the cross-sectional data would be clearly inappropriate for estimating lifetime earnings. Comparisons of cross-sectional and cohort data indicate that the cross-sectional data can be used in the estimation process. The wide fluctuations for the 35-year-old male group may have resulted from sampling errors or from circumstances caused by the ending of the Vietnam Conflict.

LIMITATIONS

A number of important assumptions were required in the estimation of expected lifetime earnings. These assumptions, while permitting the calculation of lifetime earnings estimates, impose certain limitations on their use. The most important assumption, as indicated previously, is that current cross-sectional earnings data by age are representative of cross-sectional earnings data in the future and are, therefore, an adequate data base from which to make these estimates. There is truly no way to validate this assumption since we do not know the future. We have used cross-sectional data from 1970 and cohort data for the 1970-79 period in order to partially examine the appropriateness of using cross-sectional data to predict expected earnings for this 10-year period. This examination indicated that the cross-sectional data did reflect actual earnings trends during the 1970's. Following is a list of some other significant limitations:

1. A major factor affecting the accuracy of the lifetime earnings estimates is the projected yearly employment rates. These rates are an especially important component of the estimates for women. Yearly employment rates by age were estimated using projections of labor force participation rates developed by the Bureau of Labor Statistics. If these rates do not correspond to future trends, the lifetime estimates may be biased in some manner.

2. The selected discount and productivity rates serve to limit the range of estimates presented in the report. These rates, 0.0, 3.0, and 5.0 percent for the discount and 0.0, 1.0, 2.0, and 3.0 percent for the productivity rate, were selected to provide users with a set of "reasonable" combinations from which to choose. In the estimation procedure the specified rate was applied to each year and compounded. No attempt was made to project future trends or cyclical variations in these rates.

3. An integral part of the estimation procedures are adjustments of the earnings to reflect the probability of surviving from age A to age N. Thus, the estimates of lifetime earnings do not assume that a person lives from age 18 to 64. The survival probabilities were extracted from the life tables in Vital Statistics of the United States, 1978. Separate probabilities were applied for men and women, however, no differentiation was made between persons with differing educational attainment levels or between all persons and those working year round full time. While the rates between these groups may vary[2] or while current survival rates may not reflect future rates, given the speculative nature of the lifetime earnings estimates in this report, the significance of these differences is minor.

4. The lifetime earnings figures do not contain estimates of the value of various noncash or "fringe" benefits received by many workers. These include items such as employer- or union-provided private pension plans, group health insurance plans, and employer contributions for social insurance. The figures also exclude any estimates of the value of housework performed by either men or women.

---

[2]Evelyn Kitagawa and Philip M. Hauser, Differential Mortality in the United States, 1973 (American Public Health Association, Harvard University Press)

FIGURE 7. **Comparison of Mean Earnings in 1970 to 1979 for Men and Women 25 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**

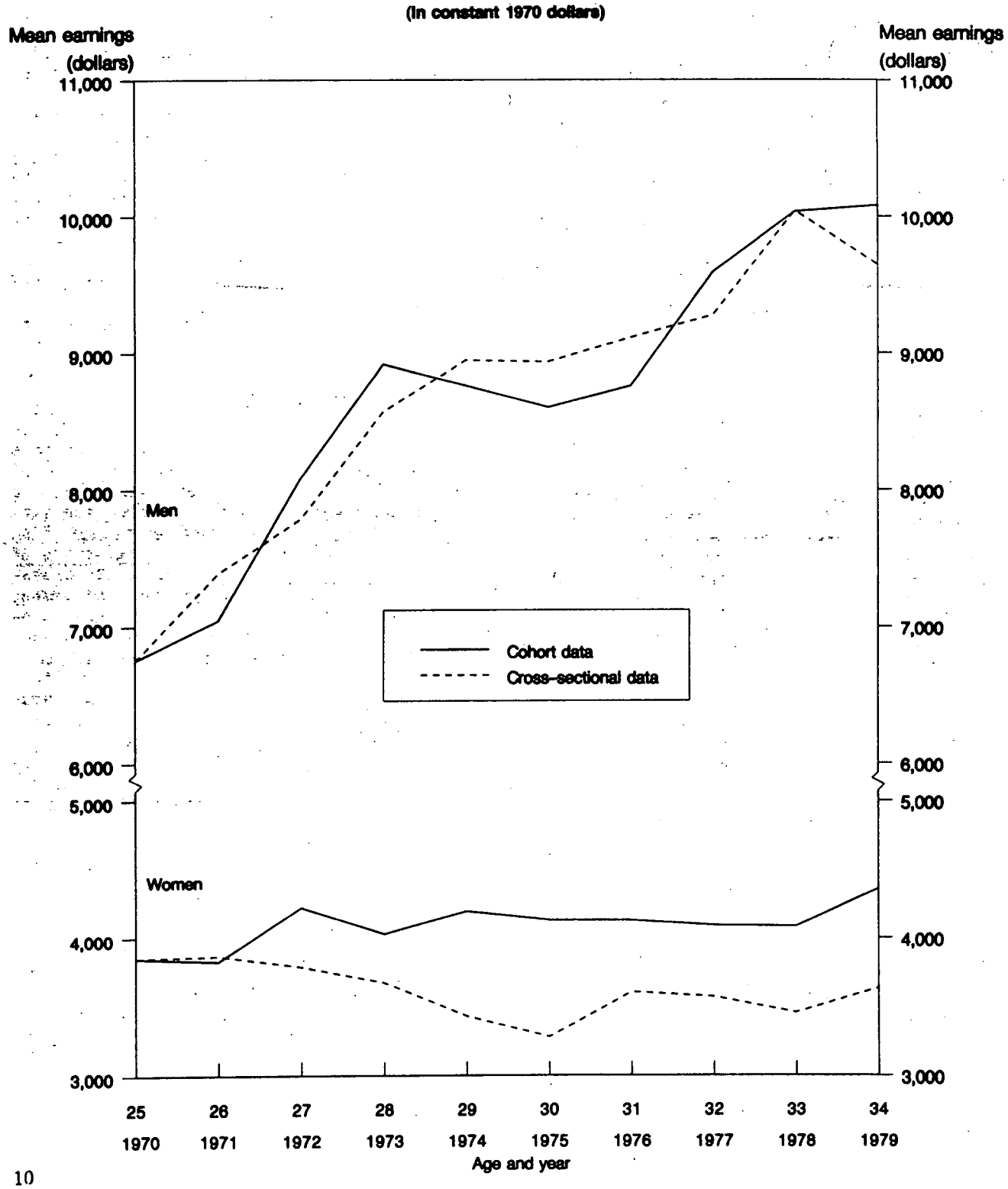


FIGURE 8. **Comparison of Mean Earnings in 1970 to 1979 for Men and Women 35 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**

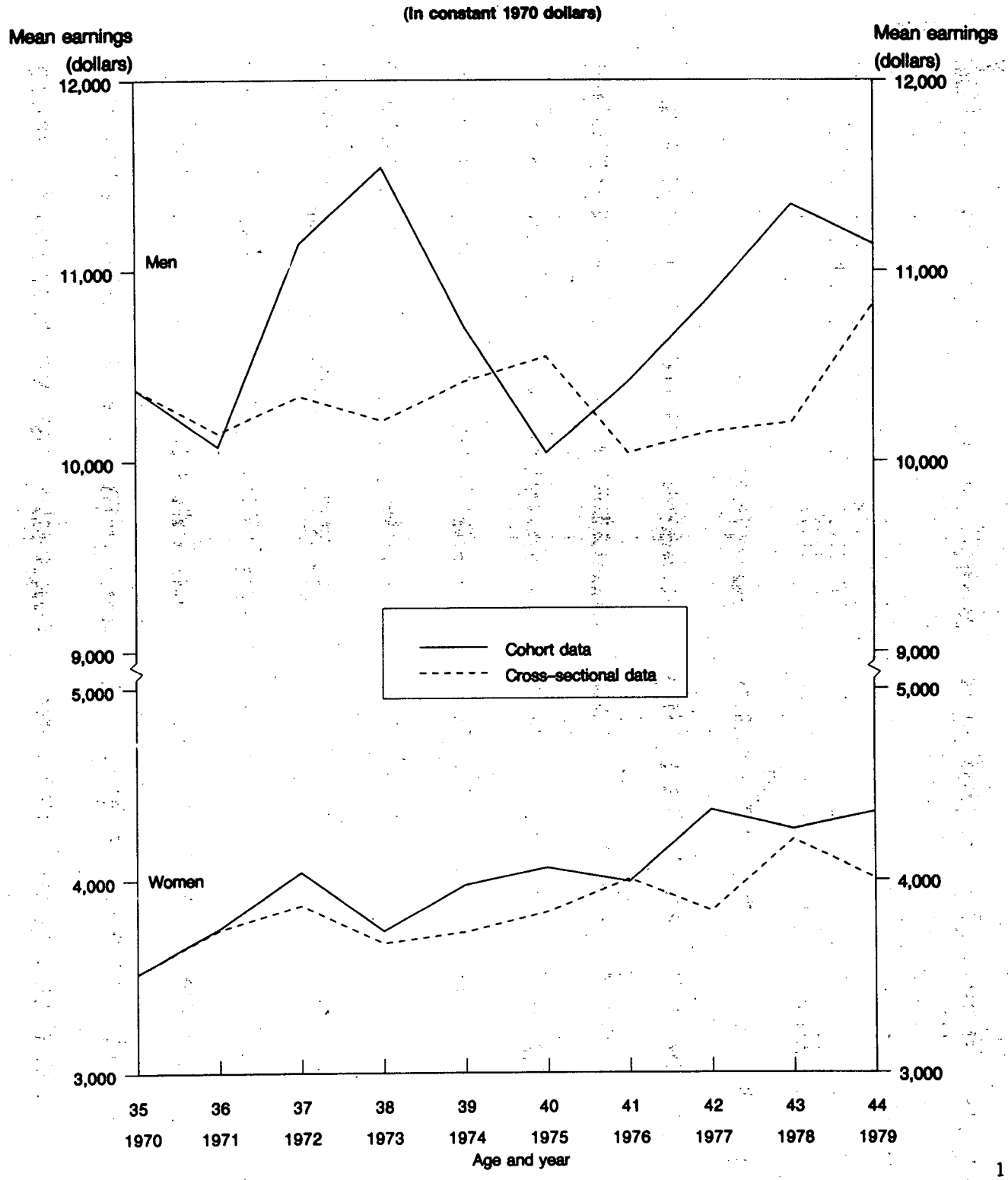


Table 1. Expected Lifetime Earnings in 1979, for Men 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	601	772	1 001	1 311	300	369	460	580	200	240	291	356
19 YEARS	600	763	981	1 273	308	376	464	579	208	248	298	362
20 YEARS	597	753	959	1 234	313	380	466	576	216	255	304	367
21 YEARS	593	741	937	1 194	318	383	466	572	221	260	309	370
22 YEARS	588	729	914	1 156	322	385	465	568	227	265	313	373
23 YEARS	581	716	890	1 117	325	386	464	562	232	269	316	374
24 YEARS	573	701	865	1 078	326	386	460	554	235	272	318	374
25 YEARS	563	685	840	1 038	326	384	456	545	237	273	318	372
26 YEARS	553	668	813	998	325	381	450	536	239	274	317	370
27 YEARS	542	651	787	959	324	378	444	525	240	274	316	367
28 YEARS	531	634	761	921	323	374	438	515	241	274	315	364
29 YEARS	518	614	734	882	319	369	429	503	240	272	311	358
30 YEARS	506	597	708	846	317	365	422	491	240	272	309	354
31 YEARS	494	579	682	810	314	360	414	480	240	270	307	350
32 YEARS	481	561	657	774	311	354	406	468	239	269	304	345
33 YEARS	469	543	632	740	307	349	397	456	239	267	300	340
34 YEARS	454	523	605	704	302	341	387	442	236	264	295	332
35 YEARS	441	505	581	672	298	335	378	429	235	261	292	327
36 YEARS	426	485	555	638	292	327	367	415	232	257	286	319
37 YEARS	409	464	528	603	284	317	355	399	227	251	278	309
38 YEARS	394	445	503	572	278	308	344	384	224	246	272	301
39 YEARS	380	426	479	541	271	300	332	370	220	241	265	293
40 YEARS	366	408	457	512	265	292	322	357	218	238	260	286
41 YEARS	349	388	432	482	257	281	309	341	212	231	252	275
42 YEARS	335	369	409	454	249	272	298	327	208	225	244	266
43 YEARS	319	350	386	426	241	262	285	312	202	218	236	256
44 YEARS	298	326	358	393	227	246	267	291	191	206	223	241
45 YEARS	283	308	336	368	219	236	255	277	186	199	215	231
46 YEARS	267	289	314	342	209	224	242	261	178	191	205	220
47 YEARS	251	271	292	316	198	213	228	245	171	182	195	209
48 YEARS	234	251	270	291	187	200	214	229	163	173	184	196
49 YEARS	217	232	248	266	175	187	199	212	153	162	173	183
50 YEARS	201	214	228	243	164	174	185	196	144	153	162	171
51 YEARS	187	198	210	223	155	164	173	183	137	145	153	161
52 YEARS	172	182	192	203	145	152	160	169	129	136	143	150
53 YEARS	154	162	171	180	131	138	144	151	118	124	129	135
54 YEARS	140	147	153	161	121	126	131	137	109	114	119	124
55 YEARS	121	126	132	138	105	109	114	119	96	99	103	108
56 YEARS	105	110	114	119	92	96	100	103	85	88	91	94
57 YEARS	92	95	99	102	81	84	87	90	75	78	80	83
58 YEARS	79	81	84	87	71	73	75	78	66	68	70	72
59 YEARS	66	68	70	72	60	62	63	65	57	58	60	61
60 YEARS	53	54	55	56	49	50	51	52	46	47	48	49
61 YEARS	41	41	42	43	38	39	39	40	36	37	38	38
62 YEARS	29	29	29	30	27	27	28	28	26	26	27	27
63 YEARS	18	19	19	19	18	18	18	18	17	17	17	18
64 YEARS	9	9	9	9	9	9	9	9	9	9	9	9
HIGH SCHOOL: 4 YEARS												
18 YEARS	861	1 104	1 430	1 872	432	531	660	830	289	346	419	512
19 YEARS	859	1 091	1 401	1 817	442	539	665	829	301	358	429	521
20 YEARS	855	1 076	1 370	1 761	451	545	667	825	311	367	438	527
21 YEARS	848	1 059	1 337	1 704	457	549	667	819	319	375	444	531
22 YEARS	838	1 040	1 303	1 647	461	550	664	810	326	380	448	533
23 YEARS	827	1 019	1 267	1 590	463	550	660	800	330	384	450	532
24 YEARS	815	997	1 231	1 534	465	549	655	789	335	388	452	532
25 YEARS	803	976	1 196	1 478	466	548	650	777	339	391	454	531
26 YEARS	788	952	1 159	1 422	465	544	642	764	342	392	453	528
27 YEARS	773	928	1 122	1 367	464	540	633	749	344	393	452	524
28 YEARS	757	903	1 084	1 312	461	535	624	734	345	392	450	519
29 YEARS	740	877	1 047	1 258	458	528	613	718	345	391	446	513
30 YEARS	722	851	1 010	1 206	454	521	603	701	345	390	443	507
31 YEARS	706	826	974	1 155	451	515	592	685	345	389	440	501
32 YEARS	687	800	937	1 104	446	507	580	668	344	386	435	494
33 YEARS	666	771	898	1 051	437	496	565	647	340	381	428	483
34 YEARS	645	743	860	1 001	430	485	550	627	337	375	420	473
35 YEARS	624	715	823	952	422	474	535	607	333	370	413	462
36 YEARS	602	686	785	903	412	461	519	586	328	363	403	450
37 YEARS	579	656	747	855	401	447	501	564	321	354	393	437
38 YEARS	556	627	711	808	390	433	484	541	314	346	382	423
39 YEARS	533	598	674	763	379	419	466	519	307	337	371	410
40 YEARS	510	570	639	719	367	405	448	497	300	328	359	396
41 YEARS	487	542	604	676	355	390	430	475	292	318	348	382
42 YEARS	466	516	572	637	344	377	414	455	285	310	338	369
43 YEARS	446	491	542	599	334	364	398	435	279	302	328	356
44 YEARS	423	464	509	560	321	348	379	413	270	291	315	341
45 YEARS	401	438	478	523	308	334	361	392	261	281	303	327
46 YEARS	379	411	447	487	295	318	343	371	252	270	290	312
47 YEARS	357	386	417	452	281	302	324	349	242	259	277	296
48 YEARS	335	360	387	418	267	286	306	327	232	247	263	280
49 YEARS	311	333	357	383	251	268	285	304	219	233	247	263
50 YEARS	287	307	327	350	235	249	265	282	206	218	231	245
51 YEARS	266	282	300	319	220	232	246	260	195	205	216	228
52 YEARS	243	257	272	288	203	214	225	238	181	190	200	210
53 YEARS	221	232	245	258	187	196	206	216	167	175	184	193
54 YEARS	198	208	218	229	170	177	186	194	153	160	167	175
55 YEARS	178	186	194	203	154	161	168	175	141	146	152	158
56 YEARS	157	164	170	177	138	143	149	154	126	131	136	141
57 YEARS	137	142	147	152	121	125	130	134	112	116	119	123
58 YEARS	117	121	125	129	105	108	112	115	98	101	104	107
59 YEARS	99	102	105	107	90	92	95	97	85	87	89	91
60 YEARS	79	81	83	85	73	74	76	78	69	70	72	73
61 YEARS	61	62	63	64	56	57	58	60	54	55	56	57
62 YEARS	46	46	47	48	43	44	44	45	42	42	43	43
63 YEARS	29	29	29	30	27	28	28	28	27	27	27	27
64 YEARS	14	14	14	14	14	14	14	14	13	13	13	13

Table 1. Expected Lifetime Earnings in 1979, for Men 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	957	1 242	1 627	2 151	461	574	724	921	299	363	446	553
19 YEARS	954	1 226	1 592	2 086	470	582	728	919	310	374	456	561
20 YEARS	952	1 213	1 560	2 026	482	592	733	918	323	387	467	570
21 YEARS	950	1 199	1 529	1 967	494	601	738	916	337	400	479	580
22 YEARS	946	1 184	1 496	1 908	504	609	742	913	349	412	490	588
23 YEARS	940	1 167	1 462	1 848	513	615	743	908	360	422	498	594
24 YEARS	930	1 146	1 425	1 787	518	617	742	900	368	429	504	598
25 YEARS	918	1 124	1 386	1 725	522	618	738	889	375	435	508	598
26 YEARS	905	1 100	1 347	1 663	524	617	732	876	380	439	510	598
27 YEARS	890	1 074	1 307	1 602	525	614	725	863	384	442	511	596
28 YEARS	875	1 048	1 266	1 541	524	611	717	848	388	444	511	593
29 YEARS	858	1 022	1 226	1 481	523	606	708	832	391	445	510	589
30 YEARS	839	994	1 184	1 421	520	600	697	815	392	445	508	583
31 YEARS	821	966	1 144	1 362	518	594	686	797	393	444	505	578
32 YEARS	801	936	1 102	1 304	512	585	673	778	393	442	500	570
33 YEARS	781	907	1 061	1 247	508	577	660	759	393	440	496	562
34 YEARS	759	877	1 019	1 190	501	567	645	738	391	436	490	553
35 YEARS	736	846	977	1 134	493	556	629	716	388	432	482	542
36 YEARS	711	812	933	1 077	482	541	611	692	382	423	472	528
37 YEARS	685	779	890	1 021	471	527	592	667	375	415	461	514
38 YEARS	659	746	847	966	459	511	572	642	368	406	449	499
39 YEARS	633	713	805	914	446	495	552	617	361	396	437	484
40 YEARS	605	678	763	861	432	478	530	590	351	385	423	467
41 YEARS	578	645	722	810	418	460	509	564	341	373	409	450
42 YEARS	556	617	686	765	407	447	492	542	336	366	399	437
43 YEARS	534	589	652	723	398	434	475	521	331	359	390	425
44 YEARS	506	556	612	676	381	415	452	494	319	345	374	406
45 YEARS	483	528	579	635	369	400	434	472	312	336	363	392
46 YEARS	452	493	537	587	349	377	408	442	296	318	343	369
47 YEARS	431	466	506	549	337	363	391	421	289	309	331	356
48 YEARS	408	439	474	512	324	346	371	399	279	298	318	340
49 YEARS	382	410	440	473	307	328	350	374	268	284	302	322
50 YEARS	352	376	403	431	286	304	324	345	251	265	282	299
51 YEARS	329	350	372	396	271	287	304	322	239	252	267	282
52 YEARS	303	321	340	360	253	267	281	297	225	236	249	262
53 YEARS	278	293	309	326	235	247	259	273	210	221	231	243
54 YEARS	255	267	280	294	218	228	239	250	197	206	215	225
55 YEARS	230	240	251	262	200	208	217	226	182	189	197	205
56 YEARS	204	212	220	229	179	186	193	200	164	170	177	183
57 YEARS	176	183	189	196	157	162	168	173	145	150	155	160
58 YEARS	149	154	159	164	134	138	143	147	125	129	133	137
59 YEARS	121	124	127	131	110	113	116	119	103	105	108	111
60 YEARS	97	100	102	104	89	91	94	96	84	86	88	90
61 YEARS	77	78	79	81	71	73	74	75	68	69	70	72
62 YEARS	55	56	57	58	52	53	54	55	50	51	52	52
63 YEARS	36	36	37	37	34	35	35	35	33	34	34	34
64 YEARS	17	18	18	18	17	17	17	17	17	17	17	17
COLLEGE: 4 YEARS												
18 YEARS	1 190	1 560	2 062	2 748	553	698	890	1 145	349	430	534	671
19 YEARS	1 193	1 547	2 025	2 673	571	714	901	1 148	368	449	553	687
20 YEARS	1 195	1 534	1 989	2 599	590	730	912	1 151	388	469	571	703
21 YEARS	1 190	1 516	1 947	2 522	602	740	917	1 148	403	483	584	713
22 YEARS	1 187	1 498	1 907	2 448	617	751	923	1 146	419	499	599	725
23 YEARS	1 184	1 481	1 868	2 376	632	763	930	1 144	436	515	613	737
24 YEARS	1 177	1 460	1 826	2 302	643	770	932	1 137	450	528	625	745
25 YEARS	1 165	1 434	1 780	2 226	650	774	930	1 127	461	538	632	749
26 YEARS	1 151	1 406	1 732	2 149	654	775	925	1 114	469	544	637	751
27 YEARS	1 134	1 376	1 683	2 072	657	774	918	1 098	476	550	640	750
28 YEARS	1 117	1 346	1 634	1 997	660	772	911	1 083	483	555	643	749
29 YEARS	1 098	1 314	1 584	1 922	660	769	902	1 065	488	559	643	746
30 YEARS	1 077	1 281	1 533	1 847	659	763	890	1 045	492	560	642	741
31 YEARS	1 057	1 248	1 483	1 774	658	758	879	1 026	496	562	642	737
32 YEARS	1 033	1 213	1 432	1 700	654	750	865	1 003	497	562	638	729
33 YEARS	1 009	1 177	1 381	1 629	649	741	850	981	499	561	634	721
34 YEARS	982	1 138	1 327	1 555	641	728	832	954	496	556	627	709
35 YEARS	956	1 102	1 277	1 486	635	717	815	930	496	553	620	699
36 YEARS	928	1 063	1 224	1 416	625	704	795	903	493	548	612	686
37 YEARS	897	1 022	1 170	1 345	613	686	772	873	486	539	599	670
38 YEARS	866	981	1 117	1 277	600	669	750	843	480	530	587	653
39 YEARS	829	936	1 060	1 205	581	647	722	808	468	515	569	631
40 YEARS	794	892	1 005	1 136	563	624	694	774	456	501	552	610
41 YEARS	765	854	957	1 076	550	607	672	746	449	491	539	594
42 YEARS	734	816	909	1 016	536	589	649	717	441	481	526	576
43 YEARS	705	779	863	958	522	571	626	688	433	470	512	559
44 YEARS	675	742	817	903	507	552	603	659	424	459	498	541
45 YEARS	639	699	767	843	486	527	573	624	409	441	477	517
46 YEARS	607	661	721	788	468	506	547	594	397	427	460	496
47 YEARS	576	624	677	736	450	485	522	563	385	413	443	475
48 YEARS	545	588	635	686	433	463	497	534	373	398	425	455
49 YEARS	509	546	587	632	408	436	466	498	355	377	401	428
50 YEARS	475	508	543	581	386	410	437	465	338	358	380	403
51 YEARS	441	470	500	533	363	385	408	432	321	338	358	378
52 YEARS	404	428	454	482	337	355	375	396	299	315	331	349
53 YEARS	369	389	411	434	310	326	343	361	278	291	306	321
54 YEARS	333	350	368	387	283	297	311	326	255	267	279	292
55 YEARS	298	312	327	342	257	268	280	293	233	243	253	264
56 YEARS	266	277	289	301	232	241	251	261	211	220	228	237
57 YEARS	236	245	254	264	208	216	224	232	192	198	205	213
58 YEARS	209	216	222	230	187	193	199	205	174	179	184	190
59 YEARS	176	181	186	191	159	164	168	173	149	153	157	162
60 YEARS	144	148	151	155	133	136	139	142	125	128	131	134
61 YEARS	118	120	122	125	110	112	114	116	105	107	109	111
62 YEARS	83	84	85	87	79	80	81	82	76	77	78	79
63 YEARS	52	52	52	53	49	50	50	51	48	48	49	49
64 YEARS	24	24	24	24	23	24	24	24	23	23	23	23

Table 1. Expected Lifetime Earnings in 1979, for Men 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	1 301	1 712	2 273	3 042	596	756	968	1 251	373	462	576	726
19 YEARS	1 304	1 698	2 232	2 958	616	773	980	1 254	394	482	596	744
20 YEARS	1 306	1 685	2 192	2 878	636	791	993	1 258	415	503	616	761
21 YEARS	1 298	1 660	2 143	2 788	646	798	994	1 250	427	515	626	769
22 YEARS	1 288	1 635	2 093	2 701	656	804	995	1 242	438	526	636	776
23 YEARS	1 284	1 615	2 050	2 621	670	815	1 001	1 239	455	542	650	787
24 YEARS	1 279	1 595	2 006	2 543	685	827	1 006	1 236	473	559	665	799
25 YEARS	1 273	1 574	1 962	2 465	699	837	1 011	1 231	490	574	679	810
26 YEARS	1 261	1 548	1 914	2 384	708	842	1 009	1 220	502	586	688	815
27 YEARS	1 249	1 521	1 866	2 305	716	846	1 008	1 209	515	597	697	820
28 YEARS	1 236	1 493	1 817	2 227	724	850	1 005	1 197	528	608	705	824
29 YEARS	1 219	1 462	1 766	2 147	729	850	999	1 182	537	616	710	825
30 YEARS	1 197	1 426	1 710	2 065	729	845	987	1 161	542	619	710	821
31 YEARS	1 174	1 389	1 655	1 983	727	839	974	1 139	546	620	709	815
32 YEARS	1 151	1 353	1 600	1 904	725	832	961	1 117	551	622	708	809
33 YEARS	1 123	1 312	1 542	1 823	719	822	944	1 091	551	620	702	800
34 YEARS	1 095	1 271	1 485	1 743	712	810	926	1 064	550	617	696	788
35 YEARS	1 065	1 229	1 427	1 664	704	796	906	1 036	548	613	688	776
36 YEARS	1 032	1 185	1 368	1 585	692	780	883	1 005	544	605	677	760
37 YEARS	999	1 141	1 309	1 508	680	763	859	975	538	597	665	744
38 YEARS	965	1 096	1 250	1 431	665	743	834	940	531	587	651	725
39 YEARS	928	1 049	1 190	1 354	648	722	806	904	520	574	635	704
40 YEARS	894	1 005	1 133	1 283	633	702	781	871	512	563	620	686
41 YEARS	859	961	1 078	1 213	617	681	754	838	503	551	605	666
42 YEARS	821	914	1 020	1 142	597	657	724	801	490	535	585	642
43 YEARS	786	870	966	1 076	579	634	697	767	479	521	568	621
44 YEARS	749	826	912	1 010	559	610	667	731	465	505	548	597
45 YEARS	715	784	862	949	541	588	641	699	454	491	531	576
46 YEARS	679	741	810	888	521	564	611	664	441	474	511	553
47 YEARS	645	701	762	830	502	541	584	631	428	459	493	530
48 YEARS	607	656	710	770	478	513	552	594	411	439	470	503
49 YEARS	570	613	660	712	454	486	520	558	393	418	446	477
50 YEARS	532	570	611	656	429	457	488	521	374	397	422	449
51 YEARS	498	531	566	605	407	432	459	488	357	378	400	424
52 YEARS	463	491	521	554	383	405	428	453	339	357	377	398
53 YEARS	427	451	477	504	358	377	397	419	320	336	353	371
54 YEARS	388	408	430	452	330	346	363	381	296	310	325	340
55 YEARS	352	368	386	404	303	316	330	345	274	286	298	311
56 YEARS	313	326	340	355	272	283	295	307	248	258	268	279
57 YEARS	278	288	299	311	245	254	263	273	225	233	241	250
58 YEARS	243	251	259	268	217	224	231	239	201	208	214	221
59 YEARS	206	212	218	224	186	191	196	202	174	179	183	189
60 YEARS	180	184	189	193	166	170	173	177	157	160	164	167
61 YEARS	144	147	149	152	135	137	139	142	129	131	133	135
62 YEARS	100	102	103	104	95	96	97	99	91	92	94	95
63 YEARS	61	61	62	62	58	59	59	60	56	57	57	58
64 YEARS	26	26	26	26	25	25	25	25	24	25	25	25

Table 2. Expected Lifetime Earnings in 1979, for Women 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	211	268	344	446	108	132	163	204	73	87	105	128
19 YEARS	209	263	335	430	110	133	163	202	75	89	106	128
20 YEARS	207	258	326	415	111	134	163	200	77	91	108	129
21 YEARS	203	252	316	399	111	133	161	196	78	91	108	129
22 YEARS	200	246	306	384	111	133	159	193	79	92	108	128
23 YEARS	196	240	296	369	111	132	158	190	80	93	108	128
24 YEARS	193	234	287	354	111	131	156	187	81	93	108	127
25 YEARS	188	227	276	339	110	129	153	182	81	93	108	126
26 YEARS	184	221	267	325	110	128	151	178	81	93	107	125
27 YEARS	180	214	257	311	109	127	148	174	82	93	107	123
28 YEARS	174	206	246	296	107	124	144	169	81	92	105	120
29 YEARS	169	199	236	282	106	122	141	164	80	91	103	118
30 YEARS	163	192	226	268	104	119	137	159	79	89	101	116
31 YEARS	159	185	217	255	103	117	134	154	79	89	100	114
32 YEARS	153	177	206	242	100	114	130	149	78	87	98	111
33 YEARS	148	170	197	229	98	111	126	144	77	86	96	108
34 YEARS	141	162	187	216	95	107	121	138	75	84	93	105
35 YEARS	134	154	176	203	92	103	116	131	73	80	90	100
36 YEARS	129	146	167	191	89	99	111	125	71	78	87	97
37 YEARS	124	140	158	180	87	96	107	120	70	77	85	94
38 YEARS	118	133	150	170	84	93	104	115	68	75	83	91
39 YEARS	113	127	142	160	82	90	100	111	67	73	80	88
40 YEARS	106	118	132	147	77	85	93	103	63	69	76	83
41 YEARS	100	111	123	137	74	81	89	98	61	66	72	79
42 YEARS	95	104	115	128	71	77	84	92	59	64	69	75
43 YEARS	89	98	108	119	68	73	80	87	57	61	66	72
44 YEARS	84	91	100	110	64	69	75	82	54	58	63	68
45 YEARS	77	84	92	100	59	64	69	75	50	54	58	63
46 YEARS	72	78	85	92	56	60	65	70	48	51	55	59
47 YEARS	68	73	79	86	54	58	62	66	46	50	53	57
48 YEARS	62	67	72	78	50	53	57	61	43	46	49	52
49 YEARS	57	61	66	71	47	50	53	56	41	43	46	49
50 YEARS	53	57	60	64	44	46	49	52	39	41	43	46
51 YEARS	48	51	54	57	40	42	44	47	35	37	39	41
52 YEARS	43	45	48	50	36	38	40	42	32	33	35	37
53 YEARS	38	40	42	44	32	33	35	37	29	30	31	33
54 YEARS	34	35	37	39	29	30	31	33	26	27	28	30
55 YEARS	30	31	33	34	26	27	28	30	24	25	26	27
56 YEARS	26	27	29	30	23	24	25	26	21	22	23	24
57 YEARS	23	24	25	25	20	21	22	22	19	19	20	21
58 YEARS	20	20	21	21	18	18	19	19	16	17	17	18
59 YEARS	16	16	17	17	14	15	15	15	13	14	14	14
60 YEARS	12	12	13	13	11	11	11	12	10	11	11	11
61 YEARS	9	10	10	10	9	9	9	9	8	8	9	9
62 YEARS	7	7	7	7	6	7	7	7	6	6	6	6
63 YEARS	4	4	4	4	4	4	4	4	4	4	4	4
64 YEARS	2	2	2	2	2	2	2	2	2	2	2	2
HIGH SCHOOL: 4 YEARS												
18 YEARS	381	483	619	803	198	241	296	368	136	161	192	232
19 YEARS	377	474	603	775	200	242	295	364	140	164	195	234
20 YEARS	371	463	585	747	201	241	293	358	142	166	196	233
21 YEARS	364	451	566	717	201	239	289	352	142	166	195	232
22 YEARS	356	439	547	688	199	236	284	344	142	165	194	229
23 YEARS	347	426	527	659	197	233	278	336	142	164	192	226
24 YEARS	339	413	508	631	195	230	273	328	142	163	190	223
25 YEARS	330	400	489	604	193	226	268	320	141	162	188	219
26 YEARS	321	387	470	577	190	222	262	311	140	161	185	216
27 YEARS	311	373	451	550	187	217	255	301	138	158	182	211
28 YEARS	302	360	433	524	184	213	249	293	137	156	179	207
29 YEARS	293	348	415	500	181	209	243	284	136	154	176	203
30 YEARS	284	335	398	476	178	205	237	276	135	153	174	199
31 YEARS	274	322	380	452	174	199	230	266	133	150	170	194
32 YEARS	265	309	363	429	170	194	223	257	131	147	166	189
33 YEARS	255	297	346	407	167	189	216	248	129	145	163	184
34 YEARS	246	284	330	385	162	184	209	239	127	141	159	179
35 YEARS	235	271	313	363	157	177	201	229	123	137	154	173
36 YEARS	226	259	297	343	153	172	194	220	121	135	150	168
37 YEARS	216	246	281	323	148	166	187	211	118	131	145	162
38 YEARS	207	234	266	304	144	160	180	202	115	127	141	157
39 YEARS	198	223	252	286	140	155	173	193	113	124	137	151
40 YEARS	188	211	238	268	134	149	165	184	109	120	132	145
41 YEARS	180	200	224	252	130	143	158	175	106	116	127	140
42 YEARS	170	189	210	235	125	137	151	166	103	112	122	134
43 YEARS	161	178	197	219	119	130	143	157	99	107	117	127
44 YEARS	153	168	185	204	115	125	136	149	96	104	113	122
45 YEARS	145	159	174	191	111	120	130	142	93	101	109	118
46 YEARS	136	148	161	176	105	113	123	133	89	96	103	111
47 YEARS	126	137	149	162	98	106	114	123	84	90	97	104
48 YEARS	119	128	138	149	94	101	108	116	81	86	92	99
49 YEARS	110	118	127	137	88	94	101	108	77	81	87	92
50 YEARS	101	108	116	124	82	87	93	99	72	76	81	86
51 YEARS	91	98	104	111	75	79	84	90	66	70	74	78
52 YEARS	83	88	93	99	68	72	77	81	60	64	67	71
53 YEARS	76	80	85	89	63	67	70	74	56	59	62	66
54 YEARS	69	72	76	80	58	61	64	67	52	55	57	60
55 YEARS	61	64	67	71	53	55	58	60	48	50	52	54
56 YEARS	55	57	59	62	48	50	52	54	43	45	47	49
57 YEARS	48	49	51	53	42	43	45	47	39	40	41	43
58 YEARS	41	43	44	45	37	38	39	40	34	35	36	37
59 YEARS	34	35	36	37	31	32	33	34	29	30	31	32
60 YEARS	28	29	29	30	26	26	27	28	24	25	25	26
61 YEARS	23	23	23	24	21	21	22	22	20	21	21	21
62 YEARS	16	16	16	16	15	15	15	15	14	14	15	15
63 YEARS	10	10	10	11	10	10	10	10	10	10	10	10
64 YEARS	4	4	4	4	4	4	4	4	4	4	4	4

Table 2. Expected Lifetime Earnings in 1979, for Women 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	460	586	754	980	236	288	356	444	160	190	229	278
19 YEARS	455	574	733	946	238	289	354	439	163	193	231	279
20 YEARS	451	565	715	914	241	291	354	435	168	197	234	281
21 YEARS	446	554	696	882	244	292	353	431	172	201	237	282
22 YEARS	440	542	676	850	246	292	351	425	175	204	239	283
23 YEARS	431	528	654	816	245	290	346	417	177	204	238	281
24 YEARS	422	514	631	783	244	287	341	408	177	204	237	278
25 YEARS	411	498	608	749	241	283	334	398	177	203	235	274
26 YEARS	400	482	585	716	238	278	327	388	175	201	232	269
27 YEARS	389	466	563	684	235	273	320	377	175	199	229	265
28 YEARS	377	449	539	652	230	267	311	366	172	196	225	259
29 YEARS	366	433	517	621	226	261	303	355	170	193	221	254
30 YEARS	353	416	494	590	221	254	294	343	168	190	216	247
31 YEARS	342	401	473	561	217	249	286	332	166	187	212	242
32 YEARS	330	384	451	532	212	242	278	320	163	183	207	236
33 YEARS	318	368	430	504	207	235	269	309	160	180	202	229
34 YEARS	305	352	409	477	202	228	260	297	157	176	197	222
35 YEARS	293	337	389	451	196	221	251	285	154	171	192	216
36 YEARS	282	322	370	426	192	215	243	275	152	168	188	210
37 YEARS	272	309	352	404	188	210	235	265	150	166	184	205
38 YEARS	261	294	334	380	183	203	227	254	147	162	179	198
39 YEARS	248	279	315	356	176	195	216	242	142	156	172	190
40 YEARS	238	266	298	336	171	189	209	232	140	153	168	184
41 YEARS	225	250	279	313	164	180	198	219	135	147	160	176
42 YEARS	212	235	261	291	156	171	188	207	129	140	153	167
43 YEARS	200	220	244	271	149	162	178	195	124	134	146	159
44 YEARS	185	203	224	248	138	151	165	180	115	125	135	147
45 YEARS	175	191	210	231	133	144	157	171	111	120	130	141
46 YEARS	163	178	194	213	125	135	147	159	106	114	123	132
47 YEARS	154	167	181	197	120	129	139	150	102	109	117	126
48 YEARS	145	157	169	183	115	123	132	142	98	105	113	121
49 YEARS	136	146	157	169	109	116	124	133	94	100	107	114
50 YEARS	126	135	144	155	103	109	116	124	90	95	101	107
51 YEARS	117	124	132	141	96	102	108	114	85	90	95	100
52 YEARS	105	112	118	125	88	92	98	103	78	82	86	91
53 YEARS	98	103	108	114	83	87	91	96	74	78	81	85
54 YEARS	88	92	97	102	76	79	83	87	68	71	75	78
55 YEARS	77	80	84	87	66	69	72	75	60	63	65	68
56 YEARS	65	68	71	73	57	59	61	64	52	54	56	58
57 YEARS	56	58	60	63	50	51	53	55	46	47	49	51
58 YEARS	48	50	51	53	43	45	46	47	40	41	43	44
59 YEARS	42	43	44	45	38	39	40	41	36	36	37	38
60 YEARS	32	32	33	34	29	30	30	31	27	28	29	29
61 YEARS	23	24	24	25	22	22	23	23	21	21	21	22
62 YEARS	16	17	17	17	15	16	16	16	15	15	15	16
63 YEARS	11	11	11	12	11	11	11	11	10	10	11	11
64 YEARS	7	7	7	7	7	7	7	7	7	7	7	7
COLLEGE: 4 YEARS												
18 YEARS	523	666	859	1 119	266	326	403	504	180	214	258	314
19 YEARS	521	658	841	1 085	273	331	406	503	187	222	265	319
20 YEARS	514	645	817	1 047	274	331	403	496	191	224	266	320
21 YEARS	511	635	798	1 013	280	335	405	494	198	231	272	324
22 YEARS	505	623	776	977	283	336	403	488	202	235	275	325
23 YEARS	498	610	754	942	285	336	400	482	207	238	277	326
24 YEARS	487	592	728	903	283	332	394	471	207	238	275	322
25 YEARS	474	573	700	863	279	326	385	459	205	235	271	316
26 YEARS	459	553	672	824	273	319	375	445	202	231	266	309
27 YEARS	445	533	644	785	268	311	365	431	199	227	261	302
28 YEARS	431	514	617	748	262	304	355	418	196	223	256	295
29 YEARS	416	493	590	710	256	296	344	403	192	218	250	287
30 YEARS	402	475	565	676	251	289	335	390	190	215	245	281
31 YEARS	387	455	538	640	244	280	323	375	185	209	238	272
32 YEARS	373	437	514	608	238	272	313	363	182	205	233	265
33 YEARS	360	419	490	577	233	266	304	350	180	202	228	259
34 YEARS	348	402	468	547	228	259	295	338	177	198	223	252
35 YEARS	335	386	446	518	224	252	286	326	175	195	219	246
36 YEARS	322	369	424	490	218	245	276	313	171	191	213	239
37 YEARS	311	354	405	464	214	239	269	303	170	188	209	233
38 YEARS	300	339	385	439	210	233	261	292	169	186	205	228
39 YEARS	283	319	361	410	200	222	247	276	161	177	195	216
40 YEARS	270	303	341	384	193	213	236	263	157	172	189	208
41 YEARS	259	289	323	362	188	207	228	253	154	168	184	202
42 YEARS	246	273	303	339	181	198	218	240	149	162	177	194
43 YEARS	230	254	281	313	170	186	204	224	141	153	167	182
44 YEARS	217	239	263	291	163	177	194	212	136	147	160	174
45 YEARS	207	226	248	273	158	171	186	202	133	143	155	167
46 YEARS	192	209	229	250	148	160	173	188	125	135	145	157
47 YEARS	176	191	208	227	136	147	159	172	115	124	133	144
48 YEARS	164	178	192	209	128	138	149	160	110	118	126	135
49 YEARS	156	168	181	195	124	133	142	153	107	114	122	130
50 YEARS	144	154	165	177	116	124	132	141	101	107	114	121
51 YEARS	136	144	154	164	111	118	125	133	98	103	109	116
52 YEARS	126	133	141	150	105	110	117	123	93	98	103	109
53 YEARS	117	123	130	137	99	104	109	115	89	93	97	102
54 YEARS	106	111	116	122	91	95	99	104	82	86	90	94
55 YEARS	93	97	101	105	80	84	87	91	73	76	79	82
56 YEARS	78	81	85	88	69	71	74	77	63	65	68	70
57 YEARS	68	70	73	75	60	62	64	66	55	57	59	61
58 YEARS	58	60	62	64	53	54	56	57	49	50	52	53
59 YEARS	46	47	48	50	42	43	44	45	39	40	41	42
60 YEARS	38	39	40	41	35	36	37	38	34	34	35	36
61 YEARS	30	30	31	31	28	29	29	29	27	27	28	28
62 YEARS	19	20	20	20	18	19	19	19	18	18	18	18
63 YEARS	11	11	11	11	10	10	11	11	10	10	10	10
64 YEARS	6	6	6	6	6	6	6	6	5	5	5	5

Table 2. Expected Lifetime Earnings in 1979, for Women 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	699	905	1 182	1 557	337	421	530	673	218	266	326	405
19 YEARS	700	896	1 159	1 512	348	429	535	674	229	277	337	414
20 YEARS	699	887	1 136	1 468	358	438	541	675	241	288	347	423
21 YEARS	699	879	1 114	1 426	369	447	547	675	253	300	358	432
22 YEARS	693	864	1 086	1 379	374	450	546	669	260	306	363	435
23 YEARS	688	851	1 061	1 334	381	454	547	666	269	314	370	440
24 YEARS	683	837	1 035	1 290	386	458	547	660	277	321	376	444
25 YEARS	673	819	1 005	1 244	389	458	544	652	282	326	379	444
26 YEARS	660	798	973	1 195	388	455	537	640	284	326	378	441
27 YEARS	647	777	941	1 147	386	450	529	627	285	326	376	437
28 YEARS	633	755	908	1 100	384	446	521	614	286	326	375	433
29 YEARS	617	733	875	1 053	380	440	511	599	286	325	371	427
30 YEARS	603	711	844	1 008	378	434	502	585	286	324	369	422
31 YEARS	586	687	811	962	373	427	491	569	285	321	364	415
32 YEARS	567	661	776	915	366	417	478	551	282	316	357	406
33 YEARS	550	638	744	872	360	409	466	535	280	313	352	398
34 YEARS	531	613	710	828	353	398	452	517	276	307	345	388
35 YEARS	512	587	677	784	344	387	438	498	271	301	336	378
36 YEARS	491	561	643	741	334	375	422	478	264	293	327	365
37 YEARS	470	534	610	699	324	362	406	458	258	285	317	353
38 YEARS	454	512	581	662	317	353	394	442	255	281	311	345
39 YEARS	436	490	552	625	309	343	381	425	251	275	303	335
40 YEARS	417	467	523	589	301	332	367	407	246	269	295	324
41 YEARS	396	440	491	550	288	317	349	386	237	258	283	310
42 YEARS	377	417	463	515	278	305	334	368	231	251	273	298
43 YEARS	353	389	430	476	263	287	314	344	219	237	258	281
44 YEARS	334	367	403	444	253	275	299	327	212	229	248	269
45 YEARS	316	345	377	413	242	262	284	308	205	220	238	257
46 YEARS	289	315	343	375	223	241	261	282	189	203	219	236
47 YEARS	271	294	319	347	212	228	246	265	181	194	208	224
48 YEARS	255	275	297	321	202	217	232	249	174	186	199	212
49 YEARS	239	256	275	295	192	205	218	233	167	177	189	201
50 YEARS	218	233	249	267	177	188	201	214	155	164	174	185
51 YEARS	203	216	229	244	168	177	188	199	148	156	165	174
52 YEARS	185	195	207	219	154	163	172	181	137	144	152	160
53 YEARS	167	175	185	195	141	148	155	163	126	132	139	145
54 YEARS	153	161	168	176	132	138	144	151	120	125	130	136
55 YEARS	132	138	144	150	114	119	124	129	104	108	113	117
56 YEARS	115	119	124	129	101	105	109	113	93	96	99	103
57 YEARS	100	104	108	111	90	92	96	99	83	86	88	91
58 YEARS	83	85	88	90	74	77	79	81	69	71	73	76
59 YEARS	68	70	72	74	62	64	66	67	59	60	62	63
60 YEARS	55	56	57	58	51	52	53	54	48	49	50	51
61 YEARS	39	40	41	41	37	37	38	39	35	36	36	37
62 YEARS	29	29	29	30	27	27	28	28	26	26	27	27
63 YEARS	15	15	15	15	14	14	14	14	14	14	14	14
64 YEARS	5	5	5	5	5	5	5	5	5	5	5	5

Table 3. Expected Lifetime Earnings in 1979, for Male Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	845	1 091	1 427	1 888	419	516	644	814	281	336	406	497
19 YEARS	838	1 074	1 393	1 828	425	519	644	808	288	343	412	501
20 YEARS	830	1 056	1 359	1 768	429	522	642	801	295	348	416	504
21 YEARS	820	1 036	1 323	1 709	431	522	639	792	299	352	419	504
22 YEARS	811	1 017	1 289	1 651	434	523	636	783	304	356	422	505
23 YEARS	800	996	1 254	1 594	436	522	632	773	308	360	424	505
24 YEARS	789	975	1 219	1 538	438	521	627	762	312	363	426	505
25 YEARS	776	954	1 184	1 483	438	519	621	751	315	365	426	503
26 YEARS	761	930	1 147	1 426	436	515	613	737	316	365	425	499
27 YEARS	747	906	1 110	1 371	434	510	605	723	317	365	423	495
28 YEARS	732	883	1 075	1 318	432	506	596	709	318	365	421	491
29 YEARS	713	856	1 036	1 263	427	497	584	691	316	361	416	483
30 YEARS	698	833	1 001	1 212	424	492	575	677	317	361	414	478
31 YEARS	681	808	965	1 161	420	485	564	661	316	358	410	471
32 YEARS	666	785	931	1 112	417	479	555	646	316	357	407	466
33 YEARS	648	759	896	1 063	412	471	543	629	314	354	402	458
34 YEARS	630	735	862	1 016	407	463	531	613	313	351	397	451
35 YEARS	614	712	829	971	403	457	521	597	313	350	394	445
36 YEARS	595	686	794	925	395	446	507	579	309	345	386	435
37 YEARS	574	658	758	877	386	434	491	558	303	338	377	423
38 YEARS	555	633	725	834	378	424	477	540	300	332	370	414
39 YEARS	536	608	693	792	371	414	464	522	296	327	363	404
40 YEARS	519	586	663	753	365	406	452	506	295	324	358	396
41 YEARS	498	559	629	711	354	392	436	485	288	316	347	383
42 YEARS	479	534	598	672	346	381	421	467	283	309	339	372
43 YEARS	458	508	566	632	335	368	405	447	277	301	329	360
44 YEARS	430	476	528	587	318	348	382	420	263	286	311	340
45 YEARS	410	452	499	552	307	335	366	401	256	278	301	328
46 YEARS	389	427	468	515	295	320	349	380	248	267	289	314
47 YEARS	369	402	439	481	283	306	332	360	239	258	278	300
48 YEARS	348	377	410	447	270	291	314	340	230	247	266	286
49 YEARS	327	354	383	414	258	277	298	320	222	237	254	272
50 YEARS	307	330	355	382	245	262	280	300	212	226	241	257
51 YEARS	288	308	330	353	233	248	264	282	204	216	229	244
52 YEARS	268	285	304	324	220	233	247	262	194	205	216	229
53 YEARS	247	261	277	294	205	216	229	242	182	191	202	213
54 YEARS	228	240	253	267	192	202	212	223	172	180	189	198
55 YEARS	203	213	224	235	173	181	190	199	156	163	171	178
56 YEARS	183	192	200	210	159	165	173	180	144	150	156	163
57 YEARS	164	170	177	184	143	149	155	161	131	136	141	147
58 YEARS	143	148	154	159	127	131	136	141	117	121	125	130
59 YEARS	124	127	131	135	111	115	118	121	104	107	110	113
60 YEARS	103	106	108	111	94	96	99	101	88	90	93	95
61 YEARS	84	86	88	90	78	80	81	83	74	75	77	79
62 YEARS	64	65	66	67	60	61	62	63	58	58	59	60
63 YEARS	47	47	48	48	45	45	46	46	43	44	44	45
64 YEARS	24	24	24	24	23	23	23	23	22	23	23	23
HIGH SCHOOL: 4 YEARS												
18 YEARS	1 041	1 343	1 753	2 315	519	638	795	1 003	349	417	503	615
19 YEARS	1 034	1 323	1 712	2 242	527	644	796	997	360	426	511	621
20 YEARS	1 024	1 300	1 670	2 170	533	647	794	988	367	433	517	624
21 YEARS	1 013	1 276	1 627	2 097	537	648	791	978	374	439	521	626
22 YEARS	1 000	1 251	1 583	2 025	539	647	786	965	379	443	524	626
23 YEARS	984	1 224	1 538	1 953	540	645	779	951	383	446	525	624
24 YEARS	969	1 197	1 494	1 883	540	643	772	937	387	449	526	622
25 YEARS	954	1 170	1 451	1 815	541	640	764	922	390	451	526	620
26 YEARS	936	1 141	1 405	1 746	539	634	754	906	391	451	524	615
27 YEARS	918	1 113	1 361	1 679	537	629	744	889	393	451	523	610
28 YEARS	899	1 083	1 316	1 613	534	623	733	871	394	451	520	604
29 YEARS	879	1 053	1 272	1 547	530	616	721	852	394	449	516	598
30 YEARS	859	1 023	1 227	1 484	525	608	709	833	394	447	512	590
31 YEARS	839	993	1 184	1 422	521	600	696	814	393	446	508	583
32 YEARS	818	963	1 141	1 361	515	591	683	794	393	443	503	575
33 YEARS	795	931	1 097	1 300	508	581	668	773	390	439	496	565
34 YEARS	773	900	1 054	1 241	501	570	653	751	387	434	490	555
35 YEARS	750	868	1 011	1 183	493	559	636	729	384	429	482	544
36 YEARS	724	834	966	1 124	482	544	618	705	378	421	471	531
37 YEARS	699	801	923	1 068	471	530	599	680	372	413	461	517
38 YEARS	674	769	880	1 013	460	516	581	656	365	405	450	503
39 YEARS	648	735	838	958	448	500	561	631	358	395	438	488
40 YEARS	622	703	796	906	435	484	541	606	350	386	426	473
41 YEARS	597	671	757	856	423	469	522	582	343	376	415	458
42 YEARS	573	641	719	808	412	455	504	559	336	368	404	445
43 YEARS	551	612	683	763	402	441	486	537	330	360	394	432
44 YEARS	526	582	645	717	388	425	467	513	322	350	381	416
45 YEARS	501	552	609	673	375	409	447	489	313	339	368	401
46 YEARS	476	521	572	629	361	392	427	465	304	328	355	384
47 YEARS	451	492	537	587	347	375	406	441	294	316	341	368
48 YEARS	426	462	502	546	332	357	385	416	283	304	326	350
49 YEARS	400	432	467	505	316	339	364	391	272	290	310	332
50 YEARS	373	401	432	465	298	319	341	365	258	275	293	313
51 YEARS	349	373	400	428	283	301	321	342	247	262	278	296
52 YEARS	322	343	365	389	264	280	297	315	232	245	259	275
53 YEARS	297	315	334	354	246	260	275	291	218	230	242	256
54 YEARS	273	288	304	321	230	242	254	268	205	215	226	238
55 YEARS	249	261	274	288	212	222	233	244	191	200	209	219
56 YEARS	226	236	246	257	195	203	212	221	177	185	192	200
57 YEARS	201	209	217	226	176	183	190	197	161	167	173	180
58 YEARS	176	183	189	196	157	162	168	173	145	150	155	160
59 YEARS	153	157	162	167	138	142	146	150	128	132	136	140
60 YEARS	127	130	133	136	116	119	122	125	109	112	114	117
61 YEARS	102	104	106	108	94	96	98	100	90	91	93	95
62 YEARS	78	79	80	81	73	74	75	77	70	71	72	73
63 YEARS	52	53	53	54	50	51	51	52	48	49	49	50
64 YEARS	26	27	27	27	26	26	26	26	25	25	25	25

Table 3. Expected Lifetime Earnings in 1979, for Male Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	1 155	1 501	1 973	2 622	561	696	874	1 112	371	446	543	670
19 YEARS	1 150	1 482	1 931	2 543	573	705	878	1 108	384	459	555	679
20 YEARS	1 142	1 459	1 886	2 463	581	710	879	1 101	394	469	563	685
21 YEARS	1 132	1 435	1 840	2 384	588	714	878	1 092	404	477	570	689
22 YEARS	1 121	1 411	1 795	2 306	594	717	876	1 082	412	485	577	693
23 YEARS	1 106	1 383	1 746	2 227	597	717	871	1 069	418	490	580	693
24 YEARS	1 091	1 355	1 699	2 150	599	716	865	1 055	424	495	582	693
25 YEARS	1 075	1 326	1 650	2 073	600	714	857	1 039	428	498	584	691
26 YEARS	1 057	1 295	1 602	1 997	600	710	849	1 023	432	500	584	688
27 YEARS	1 039	1 264	1 553	1 922	599	706	839	1 005	435	502	583	684
28 YEARS	1 019	1 233	1 504	1 849	598	701	828	987	437	503	582	679
29 YEARS	999	1 201	1 456	1 777	595	695	817	969	440	503	580	674
30 YEARS	979	1 170	1 408	1 706	593	688	805	949	441	503	578	668
31 YEARS	957	1 137	1 359	1 636	588	680	792	929	442	502	574	661
32 YEARS	935	1 104	1 312	1 568	584	672	778	908	442	500	570	653
33 YEARS	913	1 071	1 264	1 502	579	663	764	886	442	498	565	645
34 YEARS	889	1 037	1 217	1 436	573	653	749	864	441	495	559	636
35 YEARS	864	1 002	1 169	1 371	565	641	732	840	438	491	552	625
36 YEARS	838	967	1 121	1 306	556	628	[illegible]	815	434	485	543	612
37 YEARS	810	930	1 072	1 241	544	613	693	788	428	476	532	597
38 YEARS	781	892	1 022	1 178	531	596	672	760	421	467	520	581
39 YEARS	753	856	976	1 117	519	580	651	734	414	458	508	566
40 YEARS	722	816	926	1 054	503	560	627	703	403	445	493	547
41 YEARS	693	780	880	996	489	543	605	675	395	434	479	530
42 YEARS	668	747	838	943	479	529	586	651	390	427	469	517
43 YEARS	643	715	798	892	468	515	567	627	384	419	459	503
44 YEARS	612	678	753	837	451	494	543	598	373	406	442	484
45 YEARS	586	646	713	788	439	478	523	573	366	396	430	468
46 YEARS	551	605	665	732	417	453	494	539	349	377	409	444
47 YEARS	526	574	627	686	403	436	473	514	341	367	396	428
48 YEARS	500	542	589	641	389	419	452	489	332	356	382	411
49 YEARS	471	508	550	595	371	398	428	460	319	341	365	391
50 YEARS	437	470	506	545	349	373	399	428	301	321	343	366
51 YEARS	411	440	471	505	333	354	377	403	290	308	327	348
52 YEARS	381	406	432	461	312	331	351	373	274	290	307	325
53 YEARS	351	372	394	419	291	307	325	344	258	272	286	302
54 YEARS	325	343	362	382	274	288	303	319	245	257	269	283
55 YEARS	297	311	327	343	253	265	278	291	228	239	249	261
56 YEARS	268	279	292	305	232	241	252	262	211	219	228	238
57 YEARS	240	250	260	270	211	219	227	236	194	201	208	216
58 YEARS	209	217	224	232	187	193	199	206	173	178	184	190
59 YEARS	173	178	184	189	156	160	165	170	145	149	154	158
60 YEARS	146	150	153	157	133	136	140	143	125	128	131	135
61 YEARS	121	124	126	128	112	114	117	119	107	109	111	113
62 YEARS	93	95	96	97	88	89	90	92	84	85	87	88
63 YEARS	62	62	63	64	59	60	60	61	57	58	58	59
64 YEARS	31	31	31	31	30	30	30	30	29	29	29	29
COLLEGE: 4 YEARS												
18 YEARS	1 392	1 830	2 433	3 266	648	815	1 039	1 338	414	507	626	784
19 YEARS	1 394	1 815	2 389	3 176	669	834	1 052	1 342	437	529	648	802
20 YEARS	1 397	1 801	2 347	3 089	691	852	1 065	1 345	461	552	669	821
21 YEARS	1 377	1 764	2 283	2 983	691	849	1 056	1 327	463	554	670	819
22 YEARS	1 368	1 738	2 231	2 890	702	857	1 058	1 320	477	567	681	827
23 YEARS	1 357	1 711	2 178	2 798	712	863	1 058	1 310	489	579	691	834
24 YEARS	1 345	1 682	2 125	2 707	720	867	1 056	1 299	501	589	699	838
25 YEARS	1 329	1 650	2 069	2 616	725	869	1 051	1 284	510	596	705	840
26 YEARS	1 311	1 617	2 012	2 524	728	868	1 044	1 267	517	602	708	840
27 YEARS	1 291	1 582	1 954	2 434	730	866	1 035	1 249	523	607	710	838
28 YEARS	1 272	1 548	1 898	2 346	732	864	1 027	1 231	530	612	713	837
29 YEARS	1 251	1 512	1 841	2 258	733	860	1 017	1 212	535	616	714	834
30 YEARS	1 228	1 475	1 784	2 172	732	854	1 005	1 190	539	618	713	829
31 YEARS	1 205	1 437	1 726	2 088	730	848	992	1 168	543	620	712	824
32 YEARS	1 179	1 398	1 668	2 003	726	839	977	1 144	545	619	708	816
33 YEARS	1 153	1 358	1 610	1 920	722	830	961	1 119	546	618	704	807
34 YEARS	1 125	1 317	1 552	1 838	715	819	943	1 092	546	615	698	797
35 YEARS	1 097	1 277	1 495	1 759	709	808	925	1 066	545	613	692	786
36 YEARS	1 067	1 235	1 437	1 679	700	794	905	1 037	543	608	684	773
37 YEARS	1 035	1 191	1 377	1 600	688	778	883	1 006	538	600	673	758
38 YEARS	1 001	1 146	1 317	1 521	675	759	858	974	531	591	660	740
39 YEARS	965	1 099	1 257	1 443	659	739	832	940	522	579	645	721
40 YEARS	929	1 053	1 197	1 367	643	718	804	905	512	567	629	700
41 YEARS	897	1 011	1 143	1 297	630	700	781	874	506	558	617	684
42 YEARS	865	970	1 090	1 229	617	682	758	843	500	549	604	667
43 YEARS	833	929	1 038	1 163	603	664	734	813	493	539	591	650
44 YEARS	801	887	986	1 098	588	645	709	781	485	528	577	631
45 YEARS	762	841	929	1 030	567	619	678	744	471	511	556	606
46 YEARS	728	799	878	967	549	598	651	711	460	498	539	585
47 YEARS	694	757	828	907	531	575	624	678	449	483	522	564
48 YEARS	659	716	778	847	513	552	596	645	437	469	503	542
49 YEARS	620	670	725	785	488	524	564	607	419	448	480	514
50 YEARS	582	626	674	726	465	497	532	570	402	428	457	488
51 YEARS	544	582	624	668	440	469	499	533	384	407	433	460
52 YEARS	504	537	573	611	413	438	465	494	363	384	406	430
53 YEARS	466	494	524	556	387	408	432	457	343	361	381	402
54 YEARS	427	451	476	502	359	378	397	419	320	336	353	371
55 YEARS	388	407	428	450	330	346	363	380	297	311	325	340
56 YEARS	351	366	383	401	303	316	329	344	275	286	298	311
57 YEARS	314	326	340	353	275	285	296	308	251	261	271	281
58 YEARS	277	287	297	307	246	254	263	272	227	235	242	250
59 YEARS	237	245	252	260	214	220	227	233	199	205	211	217
60 YEARS	203	208	213	219	186	190	195	200	175	179	183	188
61 YEARS	165	168	171	175	153	156	159	162	145	148	151	154
62 YEARS	124	126	128	130	117	119	121	122	112	114	116	117
63 YEARS	84	85	86	87	80	81	82	83	78	79	79	80
64 YEARS	43	43	44	44	42	42	42	43	41	41	41	42

Table 3. Expected Lifetime Earnings in 1979, for Male Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	1 503	1 978	2 629	3 529	696	878	1 120	1 445	442	542	673	844
19 YEARS	1 506	1 961	2 582	3 432	719	898	1 134	1 449	466	566	695	864
20 YEARS	1 508	1 945	2 536	3 338	742	918	1 148	1 453	492	591	719	884
21 YEARS	1 490	1 909	2 470	3 226	745	918	1 142	1 436	497	596	722	885
22 YEARS	1 493	1 894	2 426	3 138	770	939	1 156	1 440	524	623	747	906
23 YEARS	1 478	1 861	2 366	3 035	777	942	1 153	1 426	535	632	755	910
24 YEARS	1 461	1 826	2 304	2 933	783	943	1 148	1 411	544	640	760	912
25 YEARS	1 444	1 792	2 244	2 834	789	945	1 143	1 396	555	649	767	915
26 YEARS	1 425	1 756	2 182	2 735	793	945	1 136	1 378	562	656	771	914
27 YEARS	1 406	1 720	2 122	2 639	797	944	1 129	1 360	571	663	775	918
28 YEARS	1 386	1 684	2 063	2 545	801	944	1 121	1 342	580	670	780	915
29 YEARS	1 365	1 647	2 003	2 453	804	942	1 112	1 323	589	676	783	913
30 YEARS	1 340	1 606	1 939	2 358	802	935	1 098	1 298	592	678	782	907
31 YEARS	1 315	1 566	1 878	2 267	801	929	1 085	1 275	598	681	781	902
32 YEARS	1 289	1 525	1 816	2 176	799	921	1 070	1 251	601	682	779	896
33 YEARS	1 259	1 481	1 752	2 085	793	910	1 052	1 222	602	681	774	885
34 YEARS	1 228	1 436	1 688	1 996	786	898	1 032	1 193	602	678	767	874
35 YEARS	1 196	1 390	1 624	1 908	777	884	1 011	1 163	600	673	759	861
36 YEARS	1 161	1 342	1 559	1 819	766	867	987	1 129	596	666	748	845
37 YEARS	1 127	1 295	1 495	1 734	754	850	963	1 096	591	659	737	828
38 YEARS	1 089	1 245	1 429	1 648	739	830	936	1 060	584	648	722	809
39 YEARS	1 049	1 193	1 362	1 562	721	806	906	1 022	573	634	705	787
40 YEARS	1 011	1 144	1 299	1 480	704	784	877	985	564	622	689	766
41 YEARS	974	1 096	1 238	1 402	688	764	850	950	556	611	674	746
42 YEARS	935	1 047	1 175	1 324	669	739	820	911	544	596	655	722
43 YEARS	897	999	1 116	1 249	651	716	791	875	533	582	638	700
44 YEARS	857	950	1 055	1 175	630	691	759	837	520	566	618	676
45 YEARS	820	904	999	1 105	612	667	730	801	509	552	600	653
46 YEARS	778	854	939	1 034	588	639	696	760	493	533	577	626
47 YEARS	740	807	883	967	566	613	665	723	478	515	556	601
48 YEARS	698	759	825	899	542	584	631	683	461	495	532	573
49 YEARS	658	711	770	834	517	555	597	643	443	474	508	545
50 YEARS	616	663	714	770	490	525	562	603	423	451	482	515
51 YEARS	576	617	662	710	465	496	529	564	405	430	457	487
52 YEARS	537	572	610	651	439	466	495	526	386	408	432	458
53 YEARS	499	529	561	596	414	437	462	489	366	386	407	430
54 YEARS	459	484	511	540	385	406	427	450	344	361	379	399
55 YEARS	422	443	465	488	360	377	395	414	324	339	354	371
56 YEARS	378	395	413	432	327	341	355	371	297	309	322	335
57 YEARS	340	354	368	382	298	310	322	334	273	283	294	305
58 YEARS	301	312	322	334	268	277	286	296	248	256	265	273
59 YEARS	259	267	275	283	234	241	248	255	219	225	231	238
60 YEARS	222	227	232	238	203	208	213	218	192	196	201	205
61 YEARS	176	180	183	186	164	167	170	173	156	159	162	165
62 YEARS	129	131	133	135	122	124	126	127	118	119	121	122
63 YEARS	81	82	82	83	77	78	79	79	75	76	76	77
64 YEARS	38	38	38	39	37	37	37	37	36	36	37	37

Table 4. Expected Lifetime Earnings in 1979, for Female Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	500	641	834	1 099	256	312	385	482	177	208	249	301
19 YEARS	494	629	812	1 062	257	312	383	476	179	210	250	301
20 YEARS	487	616	789	1 025	259	312	380	470	182	213	251	301
21 YEARS	480	602	766	987	259	310	377	463	184	214	252	300
22 YEARS	471	588	743	950	258	308	372	455	184	214	251	298
23 YEARS	462	573	720	914	257	305	367	446	185	214	250	295
24 YEARS	452	558	696	878	255	302	361	437	185	213	248	292
25 YEARS	437	537	668	838	247	293	350	423	179	207	241	284
26 YEARS	428	523	646	805	246	290	344	414	179	206	239	281
27 YEARS	418	508	624	772	244	286	339	405	179	205	238	277
28 YEARS	408	493	601	740	241	282	332	395	178	204	235	273
29 YEARS	399	479	580	709	239	278	326	386	178	203	233	270
30 YEARS	388	463	558	678	235	273	319	376	176	200	229	265
31 YEARS	377	448	537	648	232	268	312	366	175	198	226	260
32 YEARS	367	433	516	619	228	263	305	356	173	196	223	256
33 YEARS	356	419	496	591	225	258	298	346	172	194	220	251
34 YEARS	347	405	477	565	222	254	291	337	171	192	217	247
35 YEARS	335	389	456	537	217	247	283	325	168	188	212	240
36 YEARS	323	374	435	510	212	240	274	314	165	184	207	234
37 YEARS	313	361	418	486	209	236	267	305	164	182	204	230
38 YEARS	303	347	399	461	205	230	260	295	162	180	200	224
39 YEARS	292	333	381	438	200	224	252	285	159	176	196	219
40 YEARS	279	317	361	412	193	216	242	272	154	171	189	211
41 YEARS	267	301	341	388	186	208	232	260	150	165	183	203
42 YEARS	257	289	325	367	182	202	225	251	148	162	179	197
43 YEARS	247	276	309	347	178	197	217	241	146	159	175	192
44 YEARS	233	259	289	323	169	186	205	227	139	151	166	182
45 YEARS	222	245	272	303	163	179	196	216	135	147	160	175
46 YEARS	211	233	257	284	158	172	188	206	131	142	155	168
47 YEARS	202	221	243	267	153	166	181	197	128	139	150	163
48 YEARS	190	208	227	248	146	158	171	186	123	133	143	155
49 YEARS	179	194	211	229	139	149	161	175	118	127	136	147
50 YEARS	169	182	197	213	133	143	153	165	114	122	131	140
51 YEARS	159	171	184	198	127	136	145	156	110	117	125	133
52 YEARS	148	158	169	181	120	127	136	145	104	111	118	125
53 YEARS	138	147	156	166	114	121	128	135	100	106	112	118
54 YEARS	128	136	143	152	107	113	119	126	95	100	106	111
55 YEARS	118	124	131	137	100	105	110	116	90	94	99	103
56 YEARS	106	111	116	122	91	95	99	104	82	86	90	94
57 YEARS	95	99	103	107	83	86	90	93	76	79	82	85
58 YEARS	85	88	91	94	75	77	80	83	69	71	74	76
59 YEARS	72	74	76	79	64	66	68	70	60	61	63	65
60 YEARS	61	63	65	66	56	57	59	60	52	54	55	57
61 YEARS	51	52	53	54	47	48	49	50	45	46	47	48
62 YEARS	41	41	42	43	39	39	40	40	37	38	38	39
63 YEARS	26	26	26	27	25	25	25	25	24	24	24	25
64 YEARS	12	12	12	13	12	12	12	12	12	12	12	12
HIGH SCHOOL: 4 YEARS												
18 YEARS	634	817	1 068	1 412	319	390	485	611	217	257	309	376
19 YEARS	627	802	1 040	1 365	322	392	483	605	221	261	312	378
20 YEARS	619	786	1 012	1 317	323	391	480	597	224	263	313	378
21 YEARS	609	769	983	1 270	323	390	476	588	226	265	314	376
22 YEARS	599	752	954	1 224	323	388	471	579	228	266	314	375
23 YEARS	589	734	925	1 178	322	385	465	569	229	267	313	373
24 YEARS	578	716	896	1 134	321	382	460	559	230	267	313	370
25 YEARS	567	698	868	1 090	320	379	453	548	231	267	311	367
26 YEARS	555	679	839	1 047	318	375	446	537	231	266	309	363
27 YEARS	542	660	810	1 004	315	370	438	525	230	264	306	358
28 YEARS	530	641	782	963	312	365	431	513	230	263	304	354
29 YEARS	517	622	755	923	309	360	423	501	229	261	301	349
30 YEARS	504	603	727	883	305	354	415	489	228	259	298	344
31 YEARS	490	583	699	844	300	347	405	476	225	256	293	338
32 YEARS	476	564	672	806	295	341	395	462	223	253	288	331
33 YEARS	464	546	647	771	292	335	387	450	222	251	285	326
34 YEARS	450	527	620	735	287	328	378	437	220	248	280	320
35 YEARS	436	507	594	700	282	321	368	423	217	244	275	312
36 YEARS	421	488	568	665	276	313	357	410	214	239	269	305
37 YEARS	408	470	544	633	271	306	348	397	211	236	265	298
38 YEARS	393	451	519	600	264	298	337	383	208	231	258	290
39 YEARS	379	432	495	569	258	289	326	369	204	226	252	282
40 YEARS	366	415	472	540	253	282	316	356	201	223	247	275
41 YEARS	353	398	451	512	248	275	307	344	199	219	242	269
42 YEARS	340	381	429	484	242	268	297	331	196	215	237	261
43 YEARS	326	363	407	456	235	259	286	318	192	210	230	253
44 YEARS	313	347	386	430	229	251	276	305	188	205	224	246
45 YEARS	300	331	366	405	223	243	267	293	185	201	219	238
46 YEARS	285	313	344	380	215	234	255	279	180	195	211	229
47 YEARS	268	293	321	352	204	222	241	262	172	186	201	217
48 YEARS	254	276	301	328	196	212	229	248	167	179	193	208
49 YEARS	240	260	281	305	188	203	218	235	162	173	185	199
50 YEARS	224	241	260	280	178	190	204	219	153	164	175	187
51 YEARS	207	222	238	256	166	177	189	202	144	153	163	174
52 YEARS	191	204	218	233	155	165	176	187	136	144	153	162
53 YEARS	177	188	200	213	146	155	164	174	129	136	144	152
54 YEARS	164	173	183	193	137	144	152	160	122	128	135	142
55 YEARS	150	158	166	175	128	134	140	147	115	120	126	132
56 YEARS	137	143	150	157	118	123	129	134	107	112	116	121
57 YEARS	122	127	132	137	106	111	115	119	97	101	105	109
58 YEARS	107	111	115	119	95	98	102	105	88	91	94	97
59 YEARS	91	94	97	100	82	85	87	90	77	79	81	83
60 YEARS	77	79	81	83	70	72	73	75	66	67	69	71
61 YEARS	63	64	65	67	58	59	60	62	55	56	57	59
62 YEARS	47	48	48	49	44	45	46	46	42	43	44	44
63 YEARS	34	34	34	35	32	33	33	33	31	32	32	32
64 YEARS	14	14	14	14	14	14	14	14	14	14	14	14

Table 4. Expected Lifetime Earnings in 1979, for Female Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	716	916	1 189	1 564	369	448	552	690	255	300	358	432
19 YEARS	691	882	1 141	1 494	355	432	533	666	243	288	344	417
20 YEARS	683	866	1 112	1 443	358	433	531	659	248	292	347	418
21 YEARS	675	849	1 081	1 393	360	433	528	651	252	295	350	419
22 YEARS	664	831	1 051	1 343	361	432	523	642	255	297	351	418
23 YEARS	654	812	1 019	1 294	361	430	518	632	257	299	351	416
24 YEARS	642	792	988	1 245	360	427	512	621	259	300	351	414
25 YEARS	630	773	957	1 197	359	424	506	610	260	300	350	411
26 YEARS	617	752	926	1 150	357	420	498	597	261	300	348	407
27 YEARS	604	731	894	1 104	354	415	490	584	261	299	345	402
28 YEARS	589	710	863	1 058	351	409	481	571	260	297	342	397
29 YEARS	575	688	832	1 013	347	403	472	557	259	295	338	391
30 YEARS	557	665	799	967	340	394	460	541	255	290	332	383
31 YEARS	542	643	768	924	336	387	450	526	253	287	327	376
32 YEARS	527	622	738	883	331	380	439	512	251	284	323	369
33 YEARS	512	601	709	842	326	373	429	497	249	281	318	363
34 YEARS	497	580	681	803	321	365	419	483	247	277	313	356
35 YEARS	482	559	652	765	315	357	408	468	244	273	308	348
36 YEARS	465	537	623	727	308	348	396	453	241	269	301	339
37 YEARS	450	517	596	691	302	340	385	438	238	265	296	332
38 YEARS	433	495	568	655	295	330	372	422	233	259	288	322
39 YEARS	415	472	539	618	286	319	359	404	227	252	279	312
40 YEARS	399	452	513	584	278	310	346	389	223	246	272	302
41 YEARS	385	433	489	554	272	302	336	375	220	242	267	295
42 YEARS	370	414	465	523	266	293	325	361	217	237	260	287
43 YEARS	355	395	441	493	259	284	313	346	213	232	253	278
44 YEARS	332	368	410	457	243	267	294	324	200	218	238	261
45 YEARS	316	349	386	428	234	256	281	308	195	211	230	251
46 YEARS	300	329	363	400	226	246	268	293	189	204	221	241
47 YEARS	286	312	342	375	218	236	257	279	184	198	214	232
48 YEARS	266	290	316	345	205	222	240	260	174	187	201	217
49 YEARS	252	273	296	321	197	212	229	246	169	181	194	208
50 YEARS	236	254	274	296	187	200	215	231	161	172	184	197
51 YEARS	221	237	254	273	178	189	202	216	154	164	175	186
52 YEARS	207	221	236	252	169	179	191	203	148	157	166	176
53 YEARS	190	202	215	228	157	166	176	187	139	147	155	164
54 YEARS	177	187	197	208	149	156	165	173	133	139	146	154
55 YEARS	162	170	178	187	138	145	151	159	124	130	136	142
56 YEARS	145	151	158	165	125	131	136	142	114	118	123	129
57 YEARS	130	135	140	146	114	118	122	127	104	108	112	116
58 YEARS	113	117	121	125	101	104	108	111	93	96	99	103
59 YEARS	98	101	104	107	89	91	94	96	83	85	88	90
60 YEARS	80	82	84	86	73	75	76	78	69	70	72	74
61 YEARS	63	65	66	67	59	60	61	62	56	57	58	59
62 YEARS	46	47	47	48	43	44	45	45	41	42	43	43
63 YEARS	33	34	34	34	32	32	32	33	31	31	31	32
64 YEARS	15	15	15	16	15	15	15	15	15	15	15	15
COLLEGE: 4 YEARS												
18 YEARS	846	1 102	1 454	1 942	410	508	639	814	273	327	397	490
19 YEARS	846	1 092	1 427	1 887	423	519	646	815	287	341	410	501
20 YEARS	830	1 065	1 383	1 817	420	514	637	800	286	339	407	496
21 YEARS	823	1 047	1 349	1 757	425	517	636	793	293	346	413	499
22 YEARS	811	1 025	1 311	1 695	426	516	631	782	296	348	414	498
23 YEARS	800	1 004	1 275	1 635	428	515	627	772	300	351	416	498
24 YEARS	786	981	1 237	1 575	428	512	620	760	302	353	416	495
25 YEARS	772	957	1 199	1 515	426	508	613	746	304	353	415	492
26 YEARS	758	934	1 161	1 458	425	505	605	733	305	354	414	489
27 YEARS	743	909	1 124	1 401	423	500	596	718	306	353	411	484
28 YEARS	727	885	1 086	1 345	420	494	587	704	306	352	409	479
29 YEARS	711	860	1 049	1 290	417	488	577	688	305	350	406	474
30 YEARS	694	835	1 013	1 237	413	482	567	673	305	349	402	468
31 YEARS	677	810	976	1 184	408	475	556	656	303	346	398	461
32 YEARS	660	785	940	1 133	403	467	545	640	301	343	393	454
33 YEARS	643	760	905	1 084	398	460	534	624	300	340	389	447
34 YEARS	623	734	868	1 033	391	450	520	605	296	335	382	437
35 YEARS	606	709	834	986	386	441	508	588	294	332	376	429
36 YEARS	588	685	801	941	380	433	496	572	291	328	371	421
37 YEARS	570	660	767	896	373	424	484	555	289	324	365	413
38 YEARS	553	636	736	853	367	415	472	538	286	320	359	405
39 YEARS	533	610	701	809	358	404	457	519	281	313	350	394
40 YEARS	516	588	672	770	353	395	445	503	279	309	345	386
41 YEARS	500	566	642	731	347	387	434	487	277	306	339	378
42 YEARS	484	544	614	694	341	379	422	471	274	302	334	370
43 YEARS	468	524	587	660	336	371	411	457	273	299	329	363
44 YEARS	452	502	559	624	329	362	399	441	271	295	323	354
45 YEARS	434	480	531	589	322	352	386	424	267	290	315	344
46 YEARS	411	452	498	550	308	336	367	401	257	278	302	329
47 YEARS	382	419	460	506	289	314	342	374	242	261	283	308
48 YEARS	362	395	431	471	277	300	326	354	233	252	272	294
49 YEARS	346	375	407	442	269	290	313	338	229	246	265	285
50 YEARS	327	352	380	411	258	277	297	320	222	237	253	272
51 YEARS	310	332	357	383	249	266	284	304	216	230	245	261
52 YEARS	291	310	331	353	238	252	268	285	208	221	234	248
53 YEARS	274	290	307	326	227	240	253	268	201	212	224	236
54 YEARS	255	269	284	299	216	227	238	250	194	203	213	223
55 YEARS	226	238	249	262	193	202	212	222	174	182	190	199
56 YEARS	202	211	220	230	174	182	190	198	159	165	172	179
57 YEARS	185	192	200	207	163	169	175	182	150	156	161	167
58 YEARS	157	162	167	173	140	144	149	154	129	133	138	142
59 YEARS	134	138	142	146	121	125	128	132	113	117	120	123
60 YEARS	110	113	115	118	101	103	106	108	95	97	100	102
61 YEARS	91	93	95	96	85	87	88	90	81	83	84	86
62 YEARS	59	60	60	61	55	56	57	58	53	54	54	55
63 YEARS	41	41	42	42	39	39	40	40	38	38	39	39
64 YEARS	20	20	20	20	19	20	20	20	19	19	19	19

Table 4. Expected Lifetime Earnings in 1979, for Female Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	955	1 245	1 642	2 189	456	569	719	918	296	359	441	547
19 YEARS	955	1 233	1 611	2 126	470	581	727	920	312	375	455	560
20 YEARS	956	1 222	1 580	2 066	485	594	735	921	328	391	470	573
21 YEARS	956	1 211	1 550	2 007	500	606	743	923	346	407	486	585
22 YEARS	941	1 183	1 505	1 933	500	603	736	908	348	409	485	583
23 YEARS	926	1 157	1 461	1 864	500	601	729	895	351	411	486	581
24 YEARS	914	1 133	1 420	1 797	503	601	724	883	357	416	489	581
25 YEARS	900	1 109	1 379	1 732	505	599	719	870	362	419	491	580
26 YEARS	884	1 082	1 337	1 666	504	595	710	855	364	421	490	577
27 YEARS	867	1 055	1 294	1 602	502	591	701	840	366	422	489	573
28 YEARS	850	1 027	1 252	1 539	500	586	691	823	368	422	487	568
29 YEARS	832	999	1 210	1 477	498	580	681	806	369	421	485	563
30 YEARS	814	971	1 168	1 416	495	573	670	789	370	421	482	557
31 YEARS	794	942	1 126	1 356	490	565	657	770	369	418	478	549
32 YEARS	773	912	1 084	1 297	484	556	644	751	368	415	473	541
33 YEARS	752	883	1 042	1 239	478	547	630	731	366	412	467	532
34 YEARS	731	853	1 001	1 182	471	537	616	710	363	408	460	523
35 YEARS	710	824	961	1 128	465	528	602	691	361	404	454	514
36 YEARS	685	791	918	1 071	454	513	583	667	355	396	444	500
37 YEARS	655	753	870	1 010	438	494	560	637	343	382	428	481
38 YEARS	633	724	831	959	429	481	543	616	338	376	419	470
39 YEARS	610	694	792	909	419	468	526	594	333	369	410	457
40 YEARS	587	665	755	861	409	456	510	572	328	361	400	445
41 YEARS	566	637	719	815	400	444	494	552	323	355	392	433
42 YEARS	544	609	684	770	390	431	477	531	318	348	382	421
43 YEARS	514	573	640	718	371	409	452	501	304	332	364	400
44 YEARS	492	546	607	676	361	396	435	480	297	324	354	387
45 YEARS	470	519	574	636	350	382	419	459	291	316	343	374
46 YEARS	440	483	532	587	330	359	392	429	275	298	324	352
47 YEARS	418	458	501	550	319	346	376	409	268	289	313	339
48 YEARS	396	431	470	512	306	331	358	387	260	279	300	324
49 YEARS	377	407	441	479	296	318	342	368	253	271	290	312
50 YEARS	350	377	407	439	278	298	319	343	240	256	273	292
51 YEARS	329	352	378	405	265	282	301	322	230	245	260	277
52 YEARS	306	326	348	372	250	265	282	300	219	232	246	261
53 YEARS	281	298	317	337	233	246	260	276	206	217	229	242
54 YEARS	260	275	290	307	219	230	242	255	195	205	215	226
55 YEARS	238	250	263	276	203	213	223	234	183	192	200	210
56 YEARS	217	226	236	247	188	196	204	213	171	178	185	193
57 YEARS	192	200	208	216	169	175	182	189	155	161	167	173
58 YEARS	159	165	171	177	141	146	151	156	130	135	139	144
59 YEARS	137	141	145	150	123	126	130	134	114	118	121	125
60 YEARS	116	119	122	125	106	109	111	114	100	102	105	107
61 YEARS	97	99	101	103	90	92	94	96	86	88	89	91
62 YEARS	77	78	79	81	73	74	75	76	70	71	72	73
63 YEARS	46	46	47	47	44	44	44	45	42	43	43	44
64 YEARS	22	23	23	23	22	22	22	22	21	21	22	22

08999

Appendix A. Definitions and Explanations

Population coverage. This report includes the civilian noninstitutional population of the United States.

Source of data. Three data files (the March 1979, March 1980, and March 1981 Current Population Surveys (CPS)) were combined to increase the sample size and thus reduce the variance on the 1979-centered mean earnings by single years of age, educational attainment, and sex.

Earnings. In each March CPS questions were asked on the amount of earnings received during the previous calendar year for all sample persons age 15 years old and over. Earnings are defined as the sum of amounts reported separately for (1) wages or salary which includes wages, salary, Armed Forces pay, commissions, tips, piece-rate payments, and cash bonuses earned; (2) net income from nonfarm self-employment income (gross receipts minus expenses) from one's own business, professional enterprise, or partnership; and (3) net income from self-employment income (gross receipts minus operating expenses) from the operation of a farm by a person on his/her own account, as an owner, renter, or sharecropper. The amounts recorded were earnings before deductions for personal taxes, bonds, pensions, union dues, Social Security, and Medicare.

Mean earnings. The mean earnings is the amount obtained by dividing the total earnings of a group by the number of units in that group. The mean earnings calculations for persons are based on persons with earnings.

Lifetime earnings. Lifetime earnings estimates represent a summation of the products of mean earnings estimates at each age, the number of survivors in the comparable population out of 100,000 at birth from an initial stipulated age to a terminal age divided by the comparable number out of 100,000 at birth who survived to the initial stipulated age, and the projected yearly employment rate at each age. Lifetime earnings estimates are a measure of the earnings that could be expected, on the average, by members of specific educational groupings in a lifetime if the mean earnings estimates by age and education, did not change from those existing in the reference years, if the projected yearly employment rates are accurate, and if life expectancy rates remain the same.

Age. The age classification is based on the age of the person at his/her last birthday.

Years of school completed. Data on years of school completed were derived from the combination of answers to questions concerning the highest grade of school attended by the person and whether or not that grade was finished. The questions on educational attainment apply only to progress in "regular" schools. Such schools include graded public, private, and parochial elementary and high schools (both junior and senior); colleges; universities; and professional schools. Thus, regular schooling is that which may advance a person toward an elementary school certificate, a high school diploma, or a college, university, or professional school degree. Schooling in other than regular schools was counted only if the credits obtained were regarded as transferable to a school in the regular school system.

Work experience. A person with work experience is one who did any civilian work for pay or profit or worked without pay on a family-operated farm or business on a part-time or full-time basis during the calendar year preceding the survey.

Year-round, full-time worker. A year-round, full-time worker is one who worked primarily at full-time civilian jobs for 50 weeks or more during the calendar year preceding the survey.

Productivity rate. The productivity rate is an adjustment for the growth in productivity in the economy. The adjustment for productivity is made to allow for improvements in

technology, the quality and skills of the labor force, and increased output per worker which result in real earnings growth. Four different productivity rates were used: 0.0 percent, 1.0 percent, 2.0 percent, and 3.0 percent.

Discount rate. The discount rate is required to allow for the fact that a dollar we expect to receive 20 years from now is not worth a dollar today. Its value today depends on the rate at which the future is discounted. Three different rates of discount were used: 0.0 percent, 3.0 percent, and 5.0 percent. These rates represent the difference between interest rates on savings and other investments and the rate of inflation.

Yearly employment rate. The employment rate is the percentage of all persons at a specific age who worked at any time during the calendar year. For purposes of this report, projections of labor force participation rates prepared by the Bureau of Labor Statistics, Department of Labor, were adjusted to reflect differences in employment rates among workers with different educational attainment and differences between March CPS yearly employment rates and average annual labor force participation rates.

Appendix B. Detailed Supplementary Tables

Table B-1. Mean Earnings in 1979, for All Workers and Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Sex

(IN 1981 DOLLARS. FOR MEANING OF SYMBOLS, SEE TEXT)

PRESENT AGE	MALE					FEMALE				
	LESS THAN 12 YEARS	HIGH SCHOOL 4 YEARS	COLLEGE 1 TO 3 YEARS	COLLEGE 4 YEARS	COLLEGE 5 YEARS OR MORE	LESS THAN 12 YEARS	HIGH SCHOOL 4 YEARS	COLLEGE 1 TO 3 YEARS	COLLEGE 4 YEARS	COLLEGE 5 YEARS OR MORE
ALL WORKERS										
18 YEARS	2 948	4 344	5 983	(B)	(B)	2 121	3 121	4 824	3 475	(B)
19 YEARS	5 404	6 821	4 283	(B)	(B)	2 808	4 735	2 996	16 319	(B)
20 YEARS	7 145	9 484	4 893	7 007	11 355	4 659	6 615	3 788	5 734	(B)
21 YEARS	7 582	11 977	6 797	5 826	12 252	4 203	7 275	5 123	5 844	16 289
22 YEARS	9 054	13 955	9 312	6 709	7 297	4 806	8 035	7 051	6 087	4 755
23 YEARS	10 280	13 970	12 217	10 258	8 726	5 105	7 933	8 349	9 846	6 889
24 YEARS	11 699	15 091	14 797	14 719	10 736	6 172	8 456	9 770	11 491	11 241
25 YEARS	13 384	17 103	16 006	17 706	15 615	5 051	9 090	10 401	11 832	12 725
26 YEARS	13 629	17 361	17 671	19 057	16 080	5 719	9 902	10 118	12 958	13 643
27 YEARS	13 452	18 158	18 312	19 641	17 834	7 127	9 587	11 358	12 624	14 036
28 YEARS	16 128	19 291	19 196	21 831	20 679	6 361	9 275	11 638	13 623	16 097
29 YEARS	14 562	19 255	20 813	23 837	24 655	7 591	9 435	12 420	12 864	14 268
30 YEARS	15 706	19 460	20 861	23 223	26 238	5 791	10 739	11 391	15 631	16 278
31 YEARS	15 889	20 247	22 712	26 395	26 229	7 790	9 795	12 489	13 804	17 249
32 YEARS	15 344	23 274	22 752	26 484	30 292	6 598	9 921	12 977	13 173	17 370
33 YEARS	17 692	22 738	24 250	30 285	31 496	8 326	11 164	12 807	13 319	18 464
34 YEARS	14 368	23 026	24 901	28 402	33 174	10 019	12 240	12 852	13 466	19 901
35 YEARS	18 178	24 818	28 153	31 560	35 600	9 206	11 386	11 457	13 249	20 427
36 YEARS	19 904	25 465	27 953	34 179	36 289	7 588	11 881	11 769	12 807	22 360
37 YEARS	17 552	25 219	28 833	34 411	38 075	7 319	10 699	12 213	13 631	18 665
38 YEARS	18 019	25 635	28 816	39 715	40 507	7 371	10 270	14 245	19 892	18 752
39 YEARS	16 440	25 328	31 767	38 727	38 374	9 877	11 397	11 153	15 357	21 232
40 YEARS	19 711	25 135	29 958	32 939	38 685	8 662	9 958	15 116	11 858	23 417
41 YEARS	18 325	23 926	25 855	34 438	42 739	8 756	11 479	13 814	17 546	19 235
42 YEARS	19 089	23 690	25 551	34 173	39 765	8 182	12 277	14 085	18 831	24 338
43 YEARS	24 477	25 723	31 565	34 200	42 454	10 355	10 167	18 235	14 543	18 121
44 YEARS	18 911	25 050	26 586	40 411	38 828	10 771	10 287	11 952	12 546	20 444
45 YEARS	20 322	25 293	35 362	36 963	41 776	7 480	11 738	14 502	17 291	26 684
46 YEARS	19 996	25 932	26 467	36 243	41 336	7 160	13 675	10 743	19 687	19 847
47 YEARS	20 971	27 019	27 294	36 429	43 900	9 389	10 694	13 507	15 000	20 431
48 YEARS	20 877	27 435	30 691	42 989	43 749	9 669	11 946	13 006	12 613	17 911
49 YEARS	20 425	28 241	35 179	39 404	43 979	7 960	13 046	13 388	17 008	22 231
50 YEARS	18 535	25 708	27 996	39 859	41 182	9 245	14 158	14 498	13 129	19 290
51 YEARS	19 939	28 438	31 127	42 870	41 662	10 559	13 488	16 043	14 700	19 935
52 YEARS	22 218	26 903	31 151	42 063	42 629	9 703	11 694	12 570	13 368	20 912
53 YEARS	19 881	27 571	31 188	41 730	44 834	8 948	11 429	15 497	15 863	18 856
54 YEARS	25 031	25 393	31 231	41 108	42 446	7 643	11 550	14 507	19 741	23 547
55 YEARS	19 923	24 401	30 618	38 254	45 575	8 776	11 133	17 108	22 514	20 276
56 YEARS	20 110	26 152	32 904	38 435	40 533	8 778	12 413	14 808	18 602	20 323
57 YEARS	19 865	24 585	32 620	37 790	40 440	8 578	12 261	14 406	21 493	24 351
58 YEARS	18 825	23 749	34 599	41 492	43 138	9 732	12 021	12 832	16 077	19 384
59 YEARS	20 017	25 855	27 684	36 832	38 962	10 073	11 070	15 421	16 534	18 157
60 YEARS	18 470	24 369	27 043	37 468	43 524	7 400	11 490	16 925	14 508	25 097
61 YEARS	18 107	22 484	26 874	38 978	50 311	7 043	13 779	14 397	20 828	15 977
62 YEARS	17 640	22 654	26 869	36 686	48 496	10 223	12 294	11 724	19 763	24 272
63 YEARS	18 116	20 451	26 745	35 012	43 488	7 212	15 017	11 224	14 670	17 338
64 YEARS	18 297	22 520	25 151	36 632	31 896	7 346	12 129	14 725	12 026	15 332
YEAR-ROUND FULL-TIME WORKERS										
18 YEARS	8 045	8 849	6 777	(B)	(B)	6 653	7 132	25 574	(B)	(B)
19 YEARS	9 513	11 693	10 566	(B)	(B)	6 801	8 948	8 240	16 539	(B)
20 YEARS	11 522	13 409	12 149	22 554	21 110	8 086	9 840	9 144	8 144	(B)
21 YEARS	11 212	15 260	13 200	11 375	(B)	9 063	10 362	10 501	12 370	16 289
22 YEARS	12 373	17 385	16 780	13 846	18 123	9 329	10 833	11 392	11 695	15 066
23 YEARS	13 055	16 947	17 147	15 348	20 211	9 904	11 098	11 725	13 956	13 220
24 YEARS	13 876	17 755	18 727	18 539	19 306	15 600	11 595	12 648	14 626	14 285
25 YEARS	16 512	19 723	19 638	20 683	22 497	9 421	12 431	13 535	14 759	16 879
26 YEARS	16 107	19 723	20 755	22 046	21 718	9 790	13 104	13 836	15 873	17 180
27 YEARS	16 204	20 610	21 261	21 680	22 158	10 633	12 837	14 671	16 105	18 021
28 YEARS	19 705	21 494	21 699	23 505	23 418	9 603	12 763	14 981	16 759	18 537
29 YEARS	16 627	21 782	22 276	24 824	28 264	11 288	13 366	17 756	16 873	18 791
30 YEARS	18 261	21 508	23 631	25 684	27 046	10 674	14 531	15 489	17 840	20 600
31 YEARS	16 717	22 306	23 644	27 942	28 607	10 956	14 466	15 546	17 967	21 056
32 YEARS	18 891	24 106	24 156	28 553	32 009	10 733	12 719	15 501	17 433	21 550
33 YEARS	18 692	23 749	25 240	30 096	33 353	9 727	14 221	15 397	19 844	21 817
34 YEARS	17 181	24 695	26 719	30 013	34 352	12 441	14 748	15 944	18 212	21 390
35 YEARS	20 876	27 108	27 779	32 272	37 167	11 954	14 906	16 819	18 221	25 797
36 YEARS	22 511	26 858	30 091	34 618	37 421	9 902	13 785	15 583	18 529	30 981
37 YEARS	20 499	26 705	31 013	36 451	40 113	10 845	15 175	17 553	17 917	23 154
38 YEARS	19 941	27 875	29 721	38 165	42 803	11 147	14 788	18 428	20 924	23 762
39 YEARS	18 038	27 497	33 746	38 988	41 052	13 460	13 768	16 839	17 272	23 286
40 YEARS	23 160	26 729	30 796	34 500	39 586	13 044	13 289	14 958	17 204	22 326
41 YEARS	20 882	25 819	27 532	34 809	42 805	10 117	13 951	15 290	17 385	22 878
42 YEARS	22 312	24 614	27 126	34 895	41 147	10 144	14 815	15 959	16 122	31 589
43 YEARS	29 416	27 226	33 030	35 882	43 197	15 037	13 734	23 856	17 606	22 842
44 YEARS	21 531	26 763	28 524	41 940	40 826	11 714	13 626	16 878	18 840	22 677
45 YEARS	23 153	27 415	37 558	37 641	45 380	10 977	15 330	16 709	24 348	32 018
46 YEARS	22 554	27 304	28 527	37 833	42 714	10 139	17 794	15 035	29 569	22 450
47 YEARS	22 917	27 705	28 861	38 181	45 188	12 026	15 308	20 658	21 781	23 390
48 YEARS	22 325	28 373	31 969	43 132	44 867	12 450	14 384	14 813	17 021	20 980
49 YEARS	22 749	29 307	36 615	41 984	46 171	10 516	17 304	17 058	20 763	27 734
50 YEARS	21 060	26 880	29 267	42 448	43 890	10 207	17 797	15 875	17 749	22 931
51 YEARS	22 491	30 166	33 337	43 999	43 812	12 174	16 493	14 807	20 476	24 019
52 YEARS	23 750	28 003	33 732	43 009	43 382	10 065	14 929	17 640	18 915	26 319
53 YEARS	20 998	26 179	28 937	43 107	44 603	10 678	14 404	14 498	19 335	22 174
54 YEARS	26 728	27 061	31 641	43 358	41 441	10 967	14 216	15 938	30 431	23 415
55 YEARS	21 779	25 790	32 123	41 389	48 007	12 775	14 106	17 859	25 906	22 956
56 YEARS	21 818	27 358	30 060	40 747	42 143	11 512	16 116	16 164	17 556	25 581
57 YEARS	22 387	26 597	33 698	40 509	42 786	10 999	15 174	17 032	29 791	34 174
58 YEARS	21 417	26 160	38 882	42 836	45 789	13 535	16 504	15 880	23 432	23 770
59 YEARS	22 403	27 755	29 653	37 537	41 335	10 724	15 478	19 103	25 094	21 465
60 YEARS	20 095	26 819	26 855	41 258	48 284	10 706	14 407	16 826	19 508	19 583
61 YEARS	21 467	25 257	29 551	42 519	49 024	10 554	16 164	17 943	33 216	20 736
62 YEARS	17 979	26 452	32 531	41 877	50 206	15 312	13 398	12 948	18 155	32 166
63 YEARS	23 411	26 261	31 550	41 409	43 251	13 552	19 697	18 079	20 924	23 276
64 YEARS	23 968	26 779	31 000	43 813	38 575	12 447	14 382	15 400	20 172	22 632

11437

11558

P-60
18038 - 21016

Table B-2. Projected Yearly Employment Rates, for Selected Years From 1979 to 2025, for All Men of Specified Age in 1979, by Years of School Completed and Selected Age Groups

(FOR MEANING OF SYMBOLS, SEE TEXT)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	1979	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
LESS THAN 12 YEARS OF SCHOOLING											
18 YEARS	73.9	78.6	93.4	87.0	95.5	89.1	87.4	88.2	82.1	67.6	41.8
20 YEARS	82.5	84.4	88.3	84.6	88.2	89.6	89.2	83.1	72.0	62.8	(X)
25 YEARS	88.6	88.5	84.9	88.5	89.7	89.2	83.1	72.0	62.8	(X)	(X)
30 YEARS	85.9	85.5	88.8	89.6	89.3	83.1	72.0	62.8	(X)	(X)	(X)
35 YEARS	90.0	89.2	89.5	89.5	83.2	72.0	62.8	(X)	(X)	(X)	(X)
40 YEARS	91.7	89.5	89.9	83.3	72.4	62.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	89.4	90.3	83.6	73.2	63.9	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	86.4	83.7	74.2	66.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	87.8	75.6	68.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	70.6	71.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	51.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
HIGH SCHOOL: 4 YEARS											
18 YEARS	86.0	90.5	95.1	96.4	95.6	97.5	96.4	91.9	87.4	77.6	50.9
20 YEARS	94.2	92.8	96.9	97.7	95.7	96.9	94.6	90.9	84.1	62.3	(X)
25 YEARS	95.3	97.1	98.0	96.0	97.0	94.6	90.9	84.1	62.3	(X)	(X)
30 YEARS	94.7	98.0	96.3	96.9	94.7	90.9	84.1	62.3	(X)	(X)	(X)
35 YEARS	96.8	96.8	96.8	94.9	91.0	84.1	62.3	(X)	(X)	(X)	(X)
40 YEARS	98.0	96.8	95.3	91.1	84.6	62.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	98.0	95.7	91.4	85.6	63.4	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	96.3	91.5	86.8	65.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	88.3	67.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	82.5	70.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	62.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 1 TO 3 YEARS											
18 YEARS	90.8	84.5	93.3	96.9	96.8	93.3	96.4	94.0	88.6	84.8	57.1
20 YEARS	84.8	88.4	94.4	97.5	98.0	97.1	93.1	94.1	88.2	73.8	(X)
25 YEARS	95.4	94.7	97.8	98.0	97.2	93.1	94.1	88.2	73.8	(X)	(X)
30 YEARS	95.8	98.0	98.0	97.1	93.2	94.1	88.2	73.8	(X)	(X)	(X)
35 YEARS	97.7	98.0	97.0	93.4	94.2	88.2	73.8	(X)	(X)	(X)	(X)
40 YEARS	98.0	97.0	93.8	94.4	88.8	73.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	96.7	94.2	94.7	89.8	75.0	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	97.3	94.8	91.0	77.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	92.7	80.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	83.9	83.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	70.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 4 YEARS											
18 YEARS	39.3	42.9	95.3	96.6	97.0	98.0	98.0	98.0	92.8	86.4	54.1
20 YEARS	98.0	94.6	98.0	96.3	96.9	98.0	97.5	96.7	84.7	83.8	(X)
25 YEARS	96.6	98.0	96.6	97.2	98.0	97.5	96.7	84.7	83.8	(X)	(X)
30 YEARS	98.0	97.3	97.6	98.0	97.6	96.7	84.7	83.8	(X)	(X)	(X)
35 YEARS	96.4	98.0	98.0	97.8	96.8	84.7	83.8	(X)	(X)	(X)	(X)
40 YEARS	98.0	98.0	98.0	96.9	85.3	83.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	97.5	98.0	97.3	86.2	85.3	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	97.2	97.4	87.4	88.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	89.0	91.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	78.0	94.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	66.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 5 YEARS OR MORE											
18 YEARS	39.3	42.9	83.6	97.1	95.4	96.7	98.0	98.0	97.0	69.4	66.3
20 YEARS	98.0	98.0	89.8	98.0	98.0	98.0	92.4	97.8	94.6	81.3	(X)
25 YEARS	92.5	90.0	98.0	98.0	98.0	92.4	97.8	94.6	81.3	(X)	(X)
30 YEARS	98.0	98.0	98.0	98.0	92.5	97.8	94.6	81.3	(X)	(X)	(X)
35 YEARS	98.0	98.0	98.0	92.7	97.9	94.6	81.3	(X)	(X)	(X)	(X)
40 YEARS	97.4	98.0	93.1	98.0	95.2	81.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	97.3	93.5	98.0	96.3	82.7	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	97.1	98.0	97.6	85.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	98.0	88.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	91.2	92.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	81.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

Table B-3. Projected Yearly Employment Rates, for Selected Years From 1979 to 2025, for All Women of Specified Age in 1979, by Years of School Completed and Selected Age Groups

(FOR MEANING OF SYMBOLS, SEE TEXT)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	1979	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
LESS THAN 12 YEARS OF SCHOOLING											
18 YEARS	60.9	52.0	62.6	70.8	72.9	90.6	73.8	61.1	50.8	39.4	24.7
20 YEARS	56.2	53.3	62.7	72.1	69.2	72.4	65.4	57.5	43.6	37.7	(X)
25 YEARS	51.8	54.3	67.4	66.5	70.2	65.4	57.5	43.6	37.7	(X)	(X)
30 YEARS	53.9	59.3	61.4	67.7	64.0	57.5	43.6	37.7	(X)	(X)	(X)
35 YEARS	51.0	54.3	63.0	61.9	56.7	43.6	37.7	(X)	(X)	(X)	(X)
40 YEARS	59.9	57.4	58.8	55.3	43.4	37.7	(X)	(X)	(X)	(X)	(X)
45 YEARS	64.7	56.0	53.6	42.9	37.7	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	57.5	52.6	42.4	37.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	43.8	41.8	37.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	35.4	37.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	25.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
HIGH SCHOOL: 4 YEARS											
18 YEARS	80.4	82.7	87.4	87.1	89.6	98.0	87.5	80.1	69.6	59.7	31.9
20 YEARS	83.1	83.1	90.6	88.0	91.7	95.6	85.4	73.6	62.3	51.8	(X)
25 YEARS	75.5	78.4	82.3	88.1	92.6	85.4	73.6	62.3	51.8	(X)	(X)
30 YEARS	73.2	72.3	81.4	89.4	83.5	73.6	62.3	51.8	(X)	(X)	(X)
35 YEARS	63.6	71.[illegible]	83.2	80.7	72.6	62.3	51.8	(X)	(X)	(X)	(X)
40 YEARS	75.1	75.7	76.7	70.9	61.9	51.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	73.9	73.1	68.7	61.3	51.8	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	67.8	67.3	60.6	51.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	62.9	59.7	51.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	48.9	51.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	32.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 1 TO 3 YEARS											
18 YEARS	86.1	82.7	93.1	98.0	97.7	98.0	97.0	80.4	87.7	67.8	46.3
20 YEARS	84.4	85.1	95.1	94.2	90.3	98.0	98.0	81.8	64.4	49.3	(X)
25 YEARS	83.6	82.3	88.1	86.7	98.0	98.0	81.8	64.4	49.3	(X)	(X)
30 YEARS	75.5	77.4	80.1	98.0	97.6	81.8	64.4	49.3	(X)	(X)	(X)
35 YEARS	74.9	70.8	95.3	94.4	80.7	64.4	49.3	(X)	(X)	(X)	(X)
40 YEARS	76.3	86.8	89.6	78.8	64.0	49.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	78.6	85.4	76.4	63.4	49.3	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	66.6	74.8	62.7	49.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	69.6	61.7	49.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	49.7	48.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	47.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 4 YEARS											
18 YEARS	35.7	38.3	98.0	98.0	91.4	98.0	95.1	81.3	74.3	47.0	46.3
20 YEARS	39.4	88.1	98.0	92.9	86.5	87.7	98.0	77.4	61.5	52.3	(X)
25 YEARS	96.9	92.1	86.9	83.0	84.9	98.0	77.4	61.5	52.3	(X)	(X)
30 YEARS	79.3	76.4	76.7	82.0	96.2	77.4	61.5	52.3	(X)	(X)	(X)
35 YEARS	81.0	67.8	76.3	93.0	76.3	61.5	52.3	(X)	(X)	(X)	(X)
40 YEARS	78.5	69.5	88.3	74.5	61.2	52.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	82.1	84.1	72.2	60.6	52.3	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	65.4	70.8	59.9	52.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	65.3	58.9	52.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	60.0	51.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	47.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 5 YEARS OR MORE											
18 YEARS	35.7	38.3	95.0	98.0	98.0	98.0	98.0	98.0	98.0	78.1	32.7
20 YEARS	39.4	39.4	98.0	98.0	98.0	98.0	98.0	98.0	77.0	69.6	(X)
25 YEARS	97.8	95.7	98.0	98.0	98.0	98.0	98.0	77.0	69.6	(X)	(X)
30 YEARS	88.5	96.8	98.0	98.0	98.0	98.0	77.0	69.6	(X)	(X)	(X)
35 YEARS	93.8	87.0	98.0	98.0	98.0	77.0	69.6	(X)	(X)	(X)	(X)
40 YEARS	89.2	94.6	94.0	98.0	76.6	69.6	(X)	(X)	(X)	(X)	(X)
45 YEARS	97.4	89.6	96.9	75.8	69.6	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	79.3	94.9	75.0	69.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	86.2	73.8	69.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	63.5	68.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	33.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

Appendix C. Source and Reliability of Estimates

SOURCE OF DATA

The estimates of lifetime earnings in this report are based on data obtained from the March 1979, March 1980, and March 1981 Current Population Surveys (CPS) conducted by the Bureau of the Census. The monthly CPS deals mainly with labor force data for the civilian noninstitutional population. Questions relating to labor force participation are asked about each member 14 years old and over in every sample household. In addition, supplementary questions are asked every March about money income and work experience for the previous year. The data obtained from these additional income and work experience questions were used in the lifetime earnings estimation procedure.

The CPS samples for March 1979 through March 1981 were initially selected from the 1970 census files with coverage in all 50 States and the District of Columbia. The sample is continually updated to reflect new construction. The following table provides a short description of the March 1979, 1980, and 1981 CPS. The sample areas are comprised of over 1,100 counties, independent cities and minor civil divisions in the Nation. Housing units which were eligible but not interviewed are those occupied units which were visited but interviews were not obtained because the occupants were not found at home after repeated calls or were unavailable for some other reason. The units which were not eligible are those which were visited but found to be vacant or otherwise not to be interviewed. For a description of the previous CPS sample designs, see the detailed reports in this series, Current Population Reports, Series P-60.

Procedures for estimating the annual earnings figures used as the basis for the lifetime earnings estimates involved the inflation of the weighted sample results to independent estimates of the total civilian noninstitutional population of the United States by age, race, and sex. These independent estimates are based on statistics from the 1980 decennial census of population; statistics on births, deaths, immigration and emigration; and statistics on the strength of the Armed Forces. The estimation procedure also involved a further adjustment so that husband and wife of a household received the same weight.

RELIABILITY OF ESTIMATES

Since the CPS estimates are based on a sample, they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same questionnaires, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. The standard

Description of the March Current Population Survey

Time period	Number of sample areas	Housing units eligible		Housing units not eligible
		Interviewed	Not interviewed	
March 1981.....	629	65,500	3,000	12,800
March 1980.....	629	65,000	3,000	12,500
March 1979.....	614	53,500	2,500	9,500

errors provided for this report primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration, but do not measure any systematic biases in the data. The full extent of nonsampling error is unknown. Consequently, particular care should be exercised in the interpretation of figures based on a relatively small number of cases or on small differences between estimates.

Nonsampling variability. Nonsampling errors can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness on the part of the respondents to provide correct information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all units with the sample (undercoverage).

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage, as compared to the level of the 1980 decennial census, is about 7 percent. It is known that CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for Black and other races combined than for Whites. Ratio estimation to independent age-sex-race population controls partially corrects for the bias due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the decennial census.

A coverage improvement sample was included in computing the estimates in order to provide coverage of mobile homes and new construction housing units which had no chance for selection in the CPS design. This sample is composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units. These new construction units are composed of those units where building permits were issued prior to January 1970 but construction was not completed by the time of the 1970 census (i.e., April 1970). The extent of other sources of housing undercoverage is unknown but believed to be small. The inclusion of this coverage improvement sample in the CPS does not have a significant effect on the estimates.

In most cases the questionnaire entries for income are based on the memory or knowledge of one person, usually the wife. The memory factor in data derived from field surveys of income probably produces underestimates because the tendency is to forget minor or irregular sources of income. Other errors of reporting are due to misrepresentation or to misunderstanding as to the scope of the income concept.

Sampling variability. The standard errors that may be obtained using this appendix are primarily measures of sampling variability; that is, of the variation that occurred by chance because a sample rather than the entire population was surveyed. The sample estimate and its estimated standard error enable one to construct confidence intervals--ranges that would include the average result of all possible samples with a known probability. For example, if all possible samples were selected, each of these being surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.

2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.

3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples. The average estimate derived from all possible samples is or is not contained in any particular computed interval. However, for a particular sample, one can say with a specified confidence that the average estimate derived from all possible samples is included in the confidence interval.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common types of hypotheses are 1) the population parameters are identical, versus 2) they are different. An example of this would be comparing the mean annual income of men versus the mean annual income of women. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the parameters are different when, in fact, they are identical.

All statements of comparison in the text have passed a hypothesis test at the 0.10 level of significance or better, and most have passed a hypothesis test at the 0.05 level of significance or better. This means that, for most differences cited in the text, the estimated difference between parameters is greater than twice the standard error of the difference. For the other differences mentioned, the estimated difference between parameters is between 1.6 and 2.0 times the standard error of the difference. When this is the case, the statement of comparison will be qualified in some way; e.g., by use of the phrase "some evidence."

STANDARD ERRORS FOR ESTIMATES OF LIFETIME EARNINGS

Estimating the standard error of the estimate of lifetime earnings. Table C-1 shows standard errors in dollars for mean annual earnings by single years of age within designated age groups, sex, education completed, and work experience. Table C-2 contains factors by discount rates and productivity increases which are applied to the standard error of estimated lifetime earnings. The standard errors on estimated lifetime earnings can be calculated using the data in tables C-1 and C-2. This methodology is described below and an example is calculated in table C-3.

Illustration of the calculation of a standard error. Table 1 shows that the expected lifetime earnings for a 20 year old man with a high school education is $367,000, assuming a discount rate of 5 percent and an annual productivity increase of 1 percent. Using formula (1),

$$SE(PV_A) = \left[\sum_{N=A}^{64} k_N^2 \sigma_N^2 + 0.4 \sum_{N=A}^{63} K_N \sigma_N k_{N+1} \sigma_{N+1} \right]^{1/2} \quad (1)$$

where:

PV_A = The total estimated sum of earnings received between a given age A and age 64.

σ_N = The standard error in dollars on the mean annual earnings at age N from table C-1.

k_N = The factor from table C-2 needed to adjust for the discount rate and productivity increase.

the standard error is calculated as shown in table C-3.

Estimating the standard error of a difference. For a difference between two sample estimates the standard error is approximately equal to

$$\sigma_{(x,y)} = \sqrt{\sigma_x^2 + \sigma_y^2}$$

where σ_x and σ_y are the standard errors of the estimates x and y.

Illustration of the computation of the standard error of a difference. Table 1 of this report shows the estimated lifetime earnings for an 18 year old male with a high school education as $861,000 and an 18 year old male with 4 years of college as $1,190,000. The estimates of the standard errors of these estimates are $3,173 and $10,688, respectively. Therefore, the standard error of the estimated difference of $329,000 is

$$\sqrt{(3,173)^2 + (10,688)^2} = 11,000$$

This means that the 68-percent confidence interval on the difference of $329,000 as shown by these data is from $318,000 to $340,000. The 95-percent confidence interval on the difference of $329,000 is from $307,000 to $351,000. Therefore, a conclusion that the average estimate derived from all possible samples is within a range computed in this way would be correct for roughly 95 percent of all possible samples. Since this interval does not contain zero, we can conclude with 95 percent confidence that estimated lifetime earnings for 18 year old males with a high school education was lower than that of 18 year old males with 4 years of college.

Table C-1. Standard Errors for Mean Annual Earnings for All Persons and Year-Round, Full-Time Workers, by Single Years of Age Within Designated Age Groups, Years of School Completed, and Sex

Years of school completed and sex	Age (years)				
	18 to 24	25 to 34	35 to 44	45 to 54	55 to 64
MALE					
All Persons					
Less than 12 years.....	$215	$489	$565	$553	$557
High school: 4 years.....	190	286	412	448	496
College: 1 to 3 years.....	242	392	744	988	1,206
4 years.....	670	587	1,314	1,494	1,900
5 years or more...	1,210	955	1,517	1,849	2,343
Year-Round, Full-Time Workers					
Less than 12 years.....	$421	$590	$638	$611	$559
High school: 4 years.....	239	319	452	478	553
College: 1 to 3 years.....	401	424	802	1,062	1,310
4 years.....	1,022	637	1,381	1,505	2,016
5 years or more...	1,772	1,092	1,631	1,966	2,490
FEMALE					
All Persons					
Less than 12 years.....	$134	$222	$216	$200	$205
High school: 4 years.....	106	155	183	193	194
College: 1 to 3 years.....	199	283	391	442	465
4 years.....	477	351	553	633	705
5 years or more...	853	628	994	1,149	1,354
Year-Round, Full-Time Workers					
Less than 12 years.....	$531	$337	$308	$263	$317
High school: 4 years.....	146	186	232	236	223
College: 1 to 3 years.....	428	372	514	536	560
4 years.....	907	393	694	768	749
5 years or more...	1,291	735	1,181	1,254	1,722

Table C-2. Factors Applied to Standard Errors for Estimated Lifetime Earnings to Adjust for Discount and Productivity Rate Assumptions

Age	Discount rate of 0.0 percent with annual productivity increase of-				Discount rate of 3.0 percent with annual productivity increase of-				Discount rate of 5.0 percent with annual productivity increase of-			
	0.0	1.0	2.0	3.0	0.0	1.0	2.0	3.0	0.0	1.0	2.0	3.0
18 to 24 years...	1.0	1.54	2.37	3.62	0.26	0.40	0.62	0.95	0.11	0.16	0.25	0.38
25 to 34 years...	1.0	1.42	2.00	2.82	0.34	0.48	0.68	0.95	0.16	0.23	0.33	0.46
35 to 44 years...	1.0	1.28	1.64	2.10	0.46	0.59	0.76	0.96	0.27	0.35	0.45	0.57
45 to 54 years...	1.0	1.16	1.35	1.56	0.63	0.73	0.84	0.97	0.46	0.53	0.61	0.70
55 to 64 years...	1.0	1.05	1.11	1.16	0.85	0.89	0.93	0.98	0.76	0.80	0.84	0.87

Table C-3. Illustration of the Calculation of a Standard Error for Estimated Lifetime Earnings

Age group	Ages of interest	Number of ages of interest in age group	k_N	σ_N	$k_N^2 \sigma_N^2$	$0.4\ \Sigma k_N \sigma_N k_{N+1} \sigma_{N+1}$
18 to 24 years	20 to 24 years	5	0.16	$190	$5[(.16)^2 ($190)^2] = $4,621	$0.4[4(.16)^2 ($190)^2 + (.16)($190)(.23)($286)] = $2,279
25 to 34 years	25 to 34 years	10	0.23	$286	$10[(.23)^2 ($286)^2] = $43,270	$0.4[9(.23)^2 ($286)^2 + (.23)($286)(.35)($412)] = $19,371
35 to 44 years	35 to 44 years	10	0.35	$412	$10[(.35)^2 ($412)^2] = $207,936	$0.4[9(.35)^2 ($412)^2 + (.35)($412)(.53)($448)] = $88,553
45 to 54 years	45 to 54 years	10	0.53	$448	$10[(.53)^2 ($448)^2] = $563,778	$0.4[9(.53)^2 ($448)^2 + (.53)($448)(.80)($496)] = $240,646
55 to 64 years	55 to 64 years	10	0.80	$496	$10[(.80)^2 ($496)^2] = $1,574,502	$0.4[9(.80)^2 ($496)^2] = $566,821

Thus,

$$SE(PV_{20}) = (\$4{,}621 + \$2{,}279 + \$43{,}270 + \$19{,}371 + \$207{,}936 + \$88{,}553 + \$563{,}778 + \$240{,}646 + \$1{,}574{,}502 + \$566{,}821)^{1/2} = \$1{,}820.$$

NOTE: This table is an illustration of the calculation of a standard error for estimated lifetime earnings for a 20-year-old male with a high school education, assuming a discount rate of 5 percent and an annual productivity increase of 1 percent.

Source: Tables C-1 and C-2.

Selected References

Corcoran, Mary and Greg J. Duncan, "Work History, Labor Force Attachment, and Earnings Differences Between the Races and Sexes," Journal of Human Resources, Vol. XIV, No. 1, Winter 1979, pp. 3-20.

Kitagawa, Evelyn M. and Philip M. Hauser, "Differential Mortality in the United States," American Public Health Association, Harvard University Press, 1973.

Mallan, Lucy B., "Labor Force Participation, Work Experience, and the Pay Gap Between Men and Women," Journal of Human Resources, Vol. XVII, No. 3, Summer 1982, pp. 437-448.

Miller, Herman P. and Richard A. Hornseth. "Present Value of Estimated Lifetime Earnings," Technical Paper No. 16, U. S. Department of Commerce, Bureau of the Census, 1967.

Mincer, Jacob and Haim Ofek. "Interrupted Work Careers: Depreciation and Restoration of Human Capital," Journal of Human Resources, Vol. XVII, No. 1, Winter 1982, pp. 3-24.

Mincer, Jacob and Solomon W. Polachek. "Earnings of Women," Journal of Political Economy, Vol. 82, No. 2, Part 1, March/April 1974, spp. 76-108.

O'Neill, June and Rachel Braun. "Women and the Labor Market: A Survey of Issues and Policies in the United States," Working Paper, Urban Institute, November 1981.

Sandell, Steven H. and David Shapiro. "Work Expectations, Human Capital Accumulation, and the Wages of Young Women," Journal of Human Resources, Vol. XV, No. 3, Summer, 1980, pp. 335-353.

Smith, Shirley J. "New Worklife Estimates Reflect Changing Profile of Labor Force," Special Labor Force Report, New Worklife Estimates, Bulletin 2157, U.S. Department of Labor, Bureau of Labor Statistics, November 1982.

Stevens, Joyce A. and Roger A. Herriot. "Current Earnings Differentials of Men and Women: Some Exploratory Regression Analyses," American Statistical Association Proceedings of the Social Statistics Section, 1975, pp. 673-678.

U.S. Bureau of the Census. "Annual Mean Income, Lifetime Income, and Educational Attainment of Men in the United States, for Selected Years 1956 to 1972," Current Population Reports, Series P-60, No. 92, Washington, D.C., U.S. Government Printing Office, 1974.

Vital Statistics of the United States, Vol. II, Section 5, Life Tables, 1978.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1983-380-998:509

CURRENT POPULATION REPORTS

Consumer Income

Series P-60, No. 139

Lifetime Earnings Estimates for Men and Women in the United States: 1979

U.S. Department of Commerce
BUREAU OF THE CENSUS

CURRENT POPULATION REPORTS

Consumer Income

Series P-60, No. 139
Issued February 1983

Lifetime Earnings Estimates for Men and Women in the United States: 1979

U.S. Department of Commerce
Malcolm Baldrige, Secretary
Guy W. Fiske, Deputy Secretary
Robert G. Dederick, Under Secretary for Economic Affairs

BUREAU OF THE CENSUS
Bruce Chapman,
Director

Contents

	Page
Introduction	1
Estimates of lifetime earnings	2
Men	2
Women	3
Methodology	6
Yearly employment rates	6
Mean earnings	9
Limitations	9

TEXT TABLE

Expected lifetime earnings in 1979 for all persons and for year-round, full-time workers, by years of school completed, selected age groups, and sex . . . 3

CHARTS

Figure

1. Lifetime earnings estimates in 1979 for men, by years of school completed and age . . . 4
2. Lifetime earnings estimates in 1979 for women, by years of school completed and age . . . 4
3. Lifetime earnings estimates in 1979 for men working year round full time, by years of school completed and age . . . 5
4. Lifetime earnings estimates in 1979 for women working year round full time, by years of school completed and age . . . 5
5. Comparison of annual employment rates in 1970 to 1979 for men and women 25 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 7
6. Comparison of annual employment rates in 1970 to 1979 for men and women 35 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 8
7. Comparison of mean earnings in 1970 to 1979 for men and women 25 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 10
8. Comparison of mean earnings in 1970 to 1979 for men and women 35 years old in 1970 based on 1970 cross-sectional data and actual cohort data . . . 11

DETAILED TABLES

1. Expected lifetime earnings in 1979, for men 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates . . . 12

DETAILED TABLES—Continued

Page

2. Expected lifetime earnings in 1979, for women 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates. 15

3. Expected lifetime earnings in 1979, for male year-round, full-time workers 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates. 18

4. Expected lifetime earnings in 1979, for female year-round, full-time workers 18 to 64 years old, by years of school completed, age, and selected assumptions for discount and productivity rates. 21

APPENDIXES

Appendix A. Definitions and Explanations 25

Appendix B. Detailed Supplementary Tables. 27

Appendix C. Source and Reliability of Estimates. 31
Source of data 31
Reliability of estimates 31
Standard errors for estimates of lifetime earnings 33

Selected References. 37

APPENDIX TABLES

B-1. Mean earnings in 1979, for all workers and year-round, full-time workers 18 to 64 years old, by years of school completed, age, and sex 28

B-2. Projected yearly employment rates, for selected years from 1979 to 2025, for all men of specified age in 1979, by years of school completed and selected age groups. . . 29

B-3. Projected yearly employment rates, for selected years from 1979 to 2025, for all women of specified age in 1979, by years of school completed and selected age groups. 30

C-1. Standard errors for mean annual earnings for all persons and year-round, full-time workers, by single years of age within designated age groups, years of school completed, and sex. 34

C-2. Factors applied to standard errors for estimated lifetime earnings to adjust for discount and productivity rate assumptions. 35

C-3. Illustration of the calculation of a standard error for estimated lifetime earnings . 36

SYMBOLS USED IN TABLES

-	Represents zero or rounds to zero.
B	Base less than 75,000.
NA	Not available.
X	Not applicable.

Lifetime Earnings Estimates for Men and Women in the United States: 1979

INTRODUCTION

Almost everyone has asked themselves at one time or another, "How much money will I make in my lifetime?" Most have probably attempted to estimate this amount by multiplying their current annual earnings or some expected annual earnings by the number of years they plan to work. Using a more sophisticated approach this report presents estimates of expected lifetime earnings based on data collected in the March Current Population Survey (CPS). These expected lifetime earnings data, while somewhat speculative in nature, provide a scientific basis for examining expected future earnings at specified ages and differences in future earnings at various educational attainment levels.

While the Bureau of the Census has published expected lifetime earnings and income estimates in the past (the latest report issued in 1974 was Current Population Reports, Series P-60, No. 92), this report differs from these previous efforts in several respects. First, estimates of annual rates of employment by age have been incorporated into the procedures. Introduction of these probabilities of employment have improved on past estimation techniques since in past studies these employment rates were assumed to be 100 percent for all ages between 18 and 64 years. Second, estimates of the expected lifetime earnings for women were instituted for the first time. These estimates for women have been avoided in the past because their attachment to the work force is far less permanent than that of most men. However, because of widespread interest and numerous requests, we have developed estimates for women as well as for men. The reader is cautioned that the estimates for men and women are not directly comparable for a number of reasons, most of which are discussed later in this report.

The lifetime earnings estimates presented here are expected or average amounts based on cross-sectional earnings data by age, sex, and educational attainment for the years 1978, 1979, and 1980. Data for these three years were averaged in order to obtain a sample size large enough to support this study. The cross-sectional data reflect both current employment and earnings conditions and past social, demographic, and economic conditions that have led to the differences in earnings levels for persons of different ages, sexes, and educational attainment levels. Use of the cross-sectional earnings data assumes that current relationships are representative of the future. Therefore, the accuracy of these estimates is dependent on how closely these past trends reflect changes in the earnings levels over the next 50 years. The limitations section discusses the important assumptions required to develop these estimates and other considerations which should be noted before examining the data in detail.

The estimates represent the expected lifetime earnings from the specified age through age 64. It was assumed that persons did not begin working for pay until age 18 and ceased working at age 65. The estimates are shown for men and women for each age between 18 and 64 years. They are also shown for five educational attainment categories: less than 12 years, 12 years (high school), 1 to 3 years of college, 4 years of college, and 5 years or more of college.

Separate estimates have been provided for year-round, full-time workers. These estimates assume 100-percent employment rates for all ages between 18 and 64 years and are based on the mean earnings of year-round, full-time workers during the 1978-80 period.

The estimates of lifetime earnings are shown in terms of "present value" (constant 1981 dollars). Because the earnings estimates have been made for dollars to be received in the future, they have been discounted to present value by selected "real" interest rates (the difference between nominal interest rates and the rate of inflation). The values, therefore, can be thought of in terms of 1981 consumer prices. In addition to selected discount rates, the lifetime earnings estimates are shown by selected productivity rates. These rates represent the growth in real earnings after adjusting

for inflation. Each combination of discount and productivity rates yields a somewhat different estimate of expected lifetime earnings. The users must choose the combination of productivity and discount rates which they feel is most appropriate for their purpose.

ESTIMATES OF LIFETIME EARNINGS

The estimates of lifetime earnings[1] in this report represent the amounts, on average, that individuals with a specified set of characteristics can expect to earn in their lifetimes. The detailed tables contain national estimates for both men and women by educational attainment level and amount of annual work experience. The lifetime earnings for a specific individual may differ significantly from these group averages. Some factors which can help explain the differences between individual earnings levels are not available from the March CPS. These include the continuity of work experience over time, the type and quality of education and training, and motivation. Others, such as location of residence and occupation, are available, however, the sample size was too small to allow tabulations based on this information. Use of these additional variables would not change the overall estimates presented here, however, it would allow the derivation of estimates for more specific groups of the population.

Because we were unable to tabulate lifetime earnings estimates by some of the more detailed factors noted above, these estimates cannot be used to relate the difference between men's and women's lifetime earnings to issues such as discrimination, and differences in returns to education. These kinds of comparisons should be based on statistics for persons with similar educational backgrounds, occupations, and previous work experience.

Both occupation and the continuity of lifetime work experience have been shown to be important determinants of annual earnings levels in a study by Stevens and Herriot, "Current Earnings Differentials of Men and Women: Some Exploratory Regression Analyses," published in the American Statistical Association Proceedings of the Social Statistics Section, 1975. In this analysis, current occupation and breaks in employment over the working life were significant variables in a model designed to predict annual earnings levels for both men and women. Women with a potential of 20 years or more of work experience since age 25 had 13 percent lower annual earnings in 1972 if breaks of 2 to 4 years in employment occurred and 19 percent lower earnings if breaks of 5 or more years occurred. Men's earnings were also affected by similar interruptions. Comparable figures for men were 21 percent and 29 percent, respectively. If the future profile of the labor force's continuous work history changes from that of the current working population, the overall lifetime earnings estimates would be affected. This factor is especially important for women because much larger proportions of these workers experience significant breaks in employment. Current occupation is also a significant determinant of annual earnings levels, as shown by the study cited above. Any shift in the distribution of workers by occupation may also affect the estimates of lifetime earnings reported here.

The estimates in this report are useful for projecting a lifetime earnings stream, given that the future experiences of an individual are unknown. For example, the future earnings of a recent college graduate would depend on many decisions concerning marriage, career goals, family responsibilities, and family income requirements, as well as educational background, location, and job availability. The estimates here reflect the combined effect of these decisions and circumstances for the current labor force and provide an estimate for average or expected lifetime earnings.

The information in this report is also very useful in court settlements involving negligent death since it is not known what the individual's work experience and earnings would have been. It may also help to show, on average, the added value of a high school diploma or college degree.

Summaries of the expected lifetime earnings estimates by sex and work experience for selected years of school completed and for selected ages appear in the text table and in figures 1 through 4. These estimates are presented in constant 1981 dollars. They reflect the assumption of zero growth in productivity and have not been discounted (discount rate of zero).

Men

On the average, a man with a high school education will earn about $861,000 from age 18 to 64. This estimate compares to about $1,190,000 for men completing 4 years of college and $1,301,000 for men with 5 or more years of higher education. In contrast, men with less than 12 years of school will earn an average of $601,000 between age 18 and 64. Estimates restricted to men working year round full time during the 1979-81 period show that these workers have substantially higher expected lifetime earnings. These workers with a high school education will earn an average of $1,041,000. Year-round, full-time men with 4 years of college can expect earnings averaging about $1,392,000.

[1]The estimates of lifetime earnings in this section assume a discount rate and annual productivity rate of 0.0 percent.

Since these estimates assume a zero growth rate for productivity, any increase in productivity would result in higher estimated lifetime earnings.

Women

Women completing 4 years of high school will earn an average of $381,000, about 27 percent less than the estimate of $523,000 for women completing 4 years of college. Lifetime earnings estimates based solely on data for year-round, full-time workers indicate that these workers will earn, on average, about $634,000 and $846,000 for high school and 4-year college graduates, respectively.

Estimates of lifetime earnings for year-round, full-time workers have been based on the earnings levels of persons with many different lifetime work histories. If estimates could be derived for persons working continuously (or nearly so) throughout their working lives, lifetime earnings estimates for this specific group would be higher. This factor is more important for women than for men since women experience more breaks in employment during their working lives than men.

Expected Lifetime Earnings in 1979 for All Persons and for Year-Round, Full-Time Workers, by Years of School Completed, Selected Age Groups, and Sex

(Expected lifetime earnings in thousands of 1981 dollars. Based on discount rate and annual productivity rate of 0.0 percent)

Age and sex	Less than 12 years	High school 4 years	College		
			1 to 3 years	4 years	5 years or more
MALE					
All Persons					
18 years old	$601	$861	$957	$1,190	$1,301
25 years old	563	803	918	1,165	1,273
35 years old	441	624	736	956	1,065
45 years old	283	401	483	639	715
55 years old	121	178	230	298	352
Year-Round, Full-Time Workers					
18 years old	$845	$1,041	$1,155	$1,392	$1,503
25 years old	776	954	1,075	1,329	1,444
35 years old	614	750	864	1,097	1,196
45 years old	410	501	586	762	820
55 years old	203	249	297	388	422
FEMALE					
All Persons					
18 years old	$211	$381	$460	$523	$699
25 years old	188	330	411	474	673
35 years old	134	235	293	335	512
45 years old	77	145	175	207	316
55 years old	30	61	77	93	132
Year-Round, Full-Time Workers					
18 years old	$500	$634	$716	$846	$955
25 years old	437	567	630	772	900
35 years old	335	436	482	606	710
45 years old	222	300	316	434	470
55 years old	118	150	162	226	238

FIGURE 1. **Lifetime Earnings Estimates in 1979 for Men, by Years of School Completed and Age**

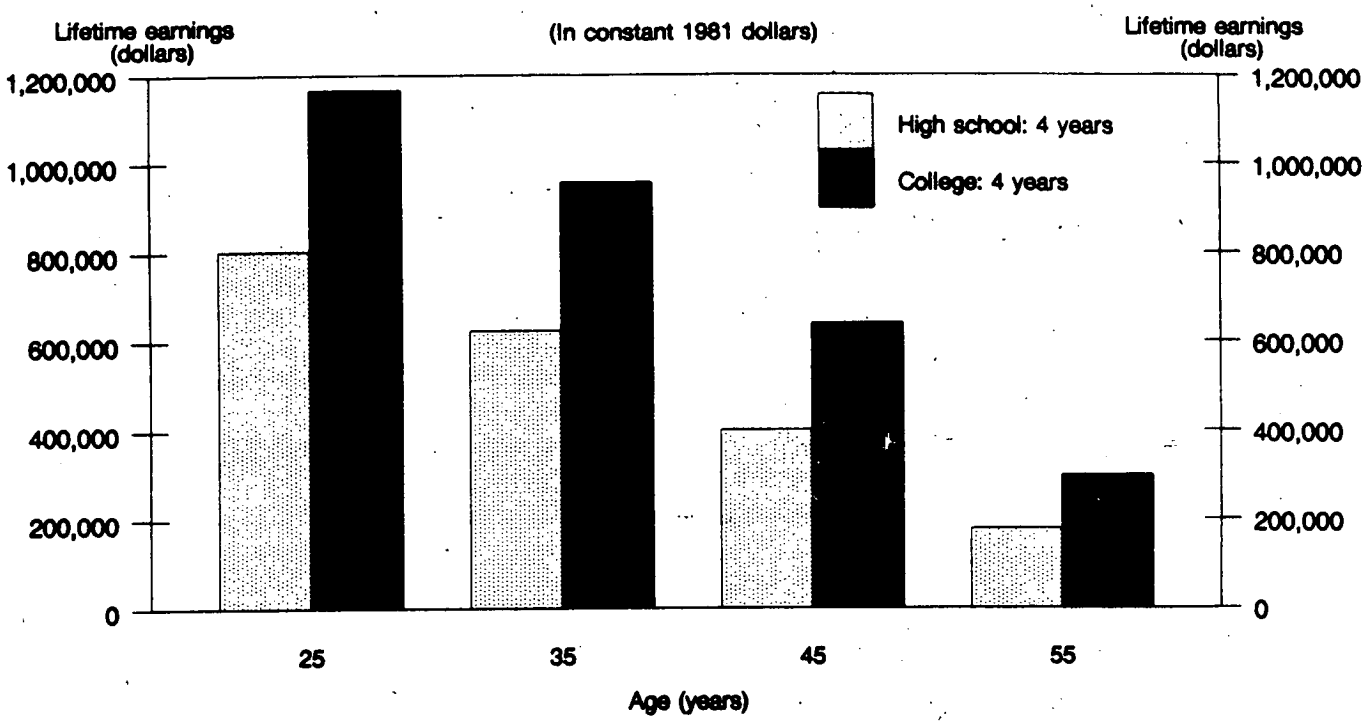


FIGURE 2. **Lifetime Earnings Estimates in 1979 for Women, by Years of School Completed and Age**

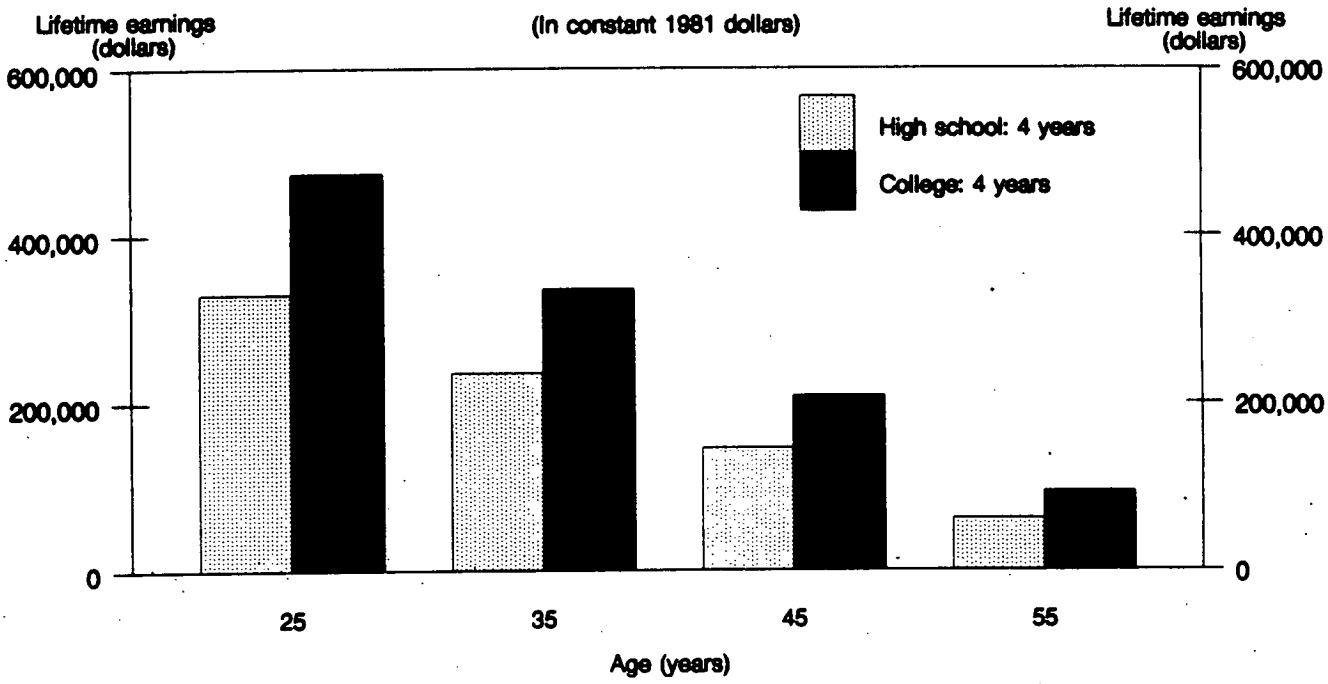


FIGURE 3. **Lifetime Earnings Estimates in 1979 for Men Working Year Round Full Time, by Years of School Completed and Age**

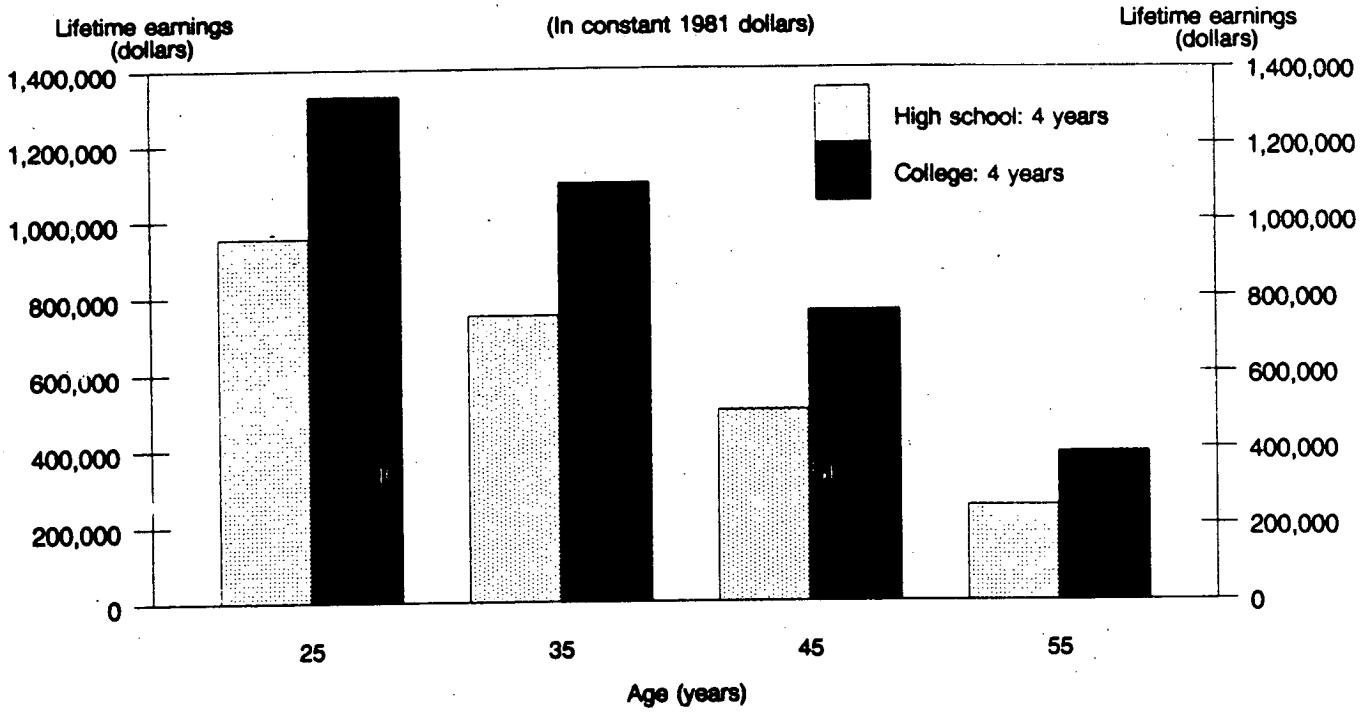
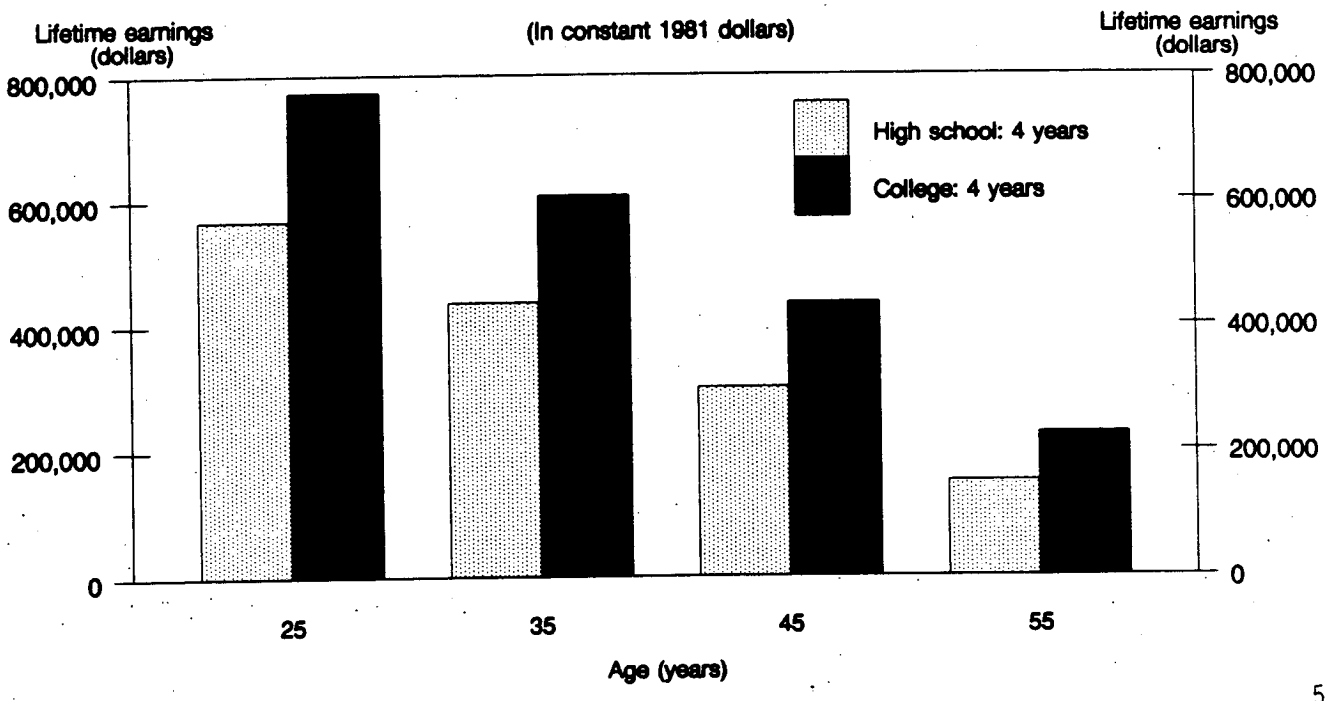


FIGURE 4. **Lifetime Earnings Estimates in 1979 for Women Working Year Round Full Time, by Years of School Completed and Age**



METHODOLOGY

Lifetime earnings estimates for persons were calculated by summing the product of 1) the mean earnings at each age from a specified age to age 64; 2) the probability of surviving to each age from the starting age; and 3) the probability of being employed at each age. These initial estimates derived in this manner were then adjusted to account for possible increases in annual productivity and finally discounted to present value (constant 1981 dollars).

The following formula describes the basic method used to prepare the estimates, showing the present value of the expected earnings from any given age through age 64.

$$PV_A = \sum_{N=A}^{64} \frac{Y_N \, P_N \, E_N \, C \, (1+X)^{N-A+\frac{1}{2}}}{(1+R)^{N-A+1}}$$

PV_A = The present value of the total sum of earnings received between a given age A and age 64.

Y_N = The average (mean) annual earnings at age N. These figures, 1979-centered earnings data, were derived by combining three March CPS files (1979, 1980, and 1981). Table B-1 of appendix B contains the mean earnings by single years of age, educational attainment, and sex used in the calculation of the lifetime earnings estimates.

P_N = The relative number of survivors at age N of those alive at age A. The underlying data are presented in Vital Statistics of the United States, Vol. II, Section 5, Life Tables (1978).

E_N = The predicted yearly employment rate at age N for a given age A. Tables B-2 and B-3 in appendix B contain predicted yearly employment rates for selected ages by educational attainment and sex. Each row in these tables contains predicted employment rates for cohorts of a given age in 1979.

C = Constant to convert 1979 lifetime earnings to constant 1981 dollars.

X = Assumed annual increase in earnings due to rising productivity. Four different values are used: 0.0 percent, 1.0 percent, 2.0 percent, and 3.0 percent. This factor is added to the equation to allow for the real growth in productivity. The exponent (N-A+½) assumes productivity growth to the midpoint of age N given age A.

R = The rate of discount used to convert future earnings to their present values. Three different rates of discount are used: 0.0 percent, 3.0 percent, and 5.0 percent. The exponent (N-A+1) assumes the discount rate for the year at age N given age A at the beginning of the year.

Yearly Employment Rates

For the first time the Bureau of the Census has incorporated yearly employment rates into the estimates of lifetime earnings. The inclusion of these rates is essential, particularly in the estimation of lifetime earnings for women. Previous reports on lifetime earnings, which did not consider yearly employment rates, tended to overestimate lifetime earnings. As indicated in tables B-2 and B-3 of appendix B, the projected yearly employment rates for women, while increasing significantly, are still considerably lower than those for men. For example, about 97 percent of men 25 years old in 1979 who completed college can expect to be employed at some time during the year 1990. Among women with the same education and age in 1979, about 83 percent are estimated to be employed in 1990.

The decision to use projections of yearly employment rates by age cohorts was based upon the expectation that future employment rates may differ significantly from current employment rates. If the last decade is any indication of future trends, this is, in fact, the case. For example, figures 5 and 6 compare annual employment rates from 1970 through 1979 using 1970 cross-sectional data and the actual age cohort data. While relatively small differences exist between yearly employment rates derived from the 1970 cross-sectional data and the actual cohort data for men, there is a definite trend toward increased employment rates for women. Employment rates for women based on 1970 cross-sectional data failed to reflect the significant increase in the percentage of women working during the 10-year period.

FIGURE 5. **Comparison of Annual Employment Rates in 1970 to 1979 for Men and Women 25 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**

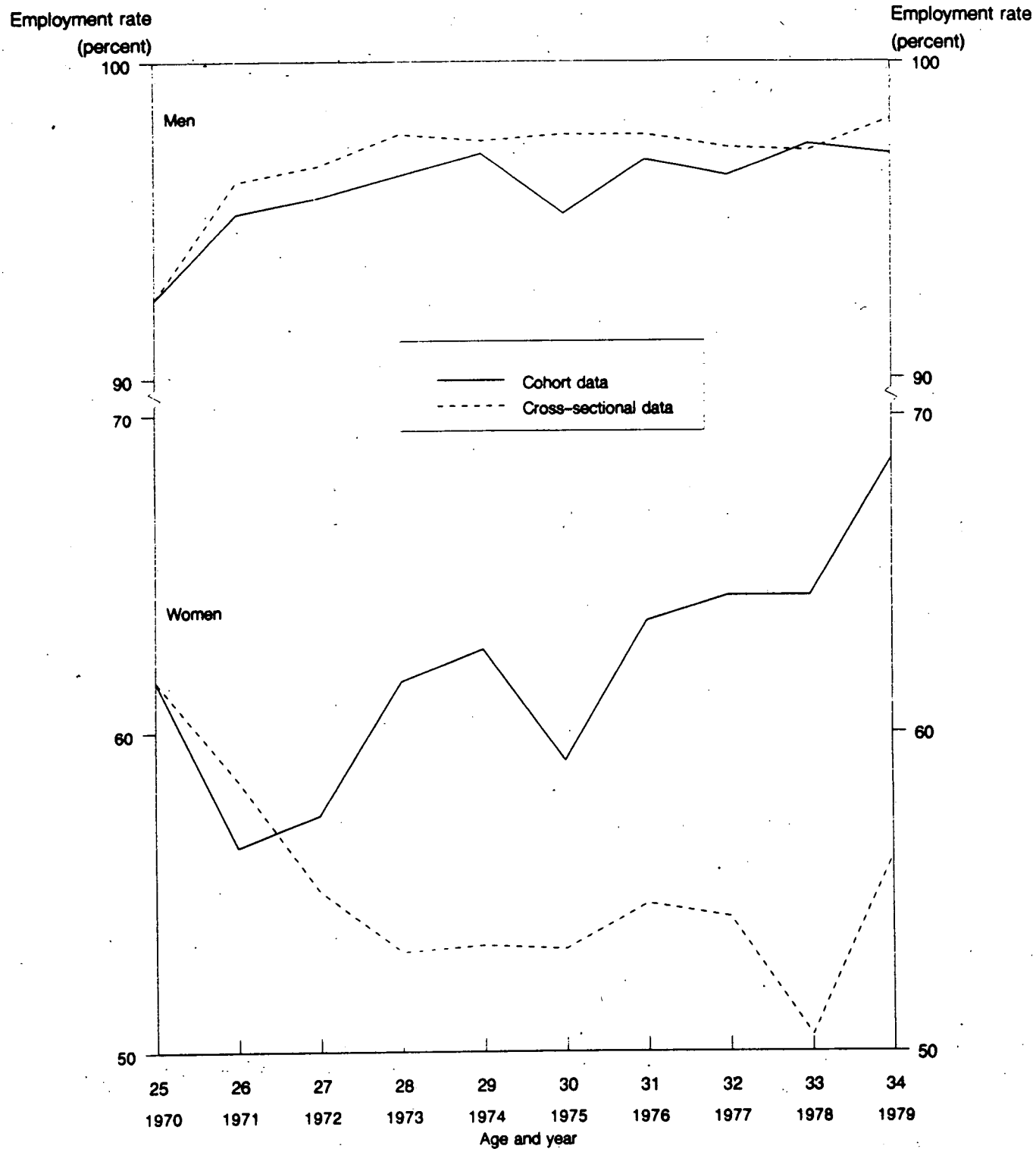
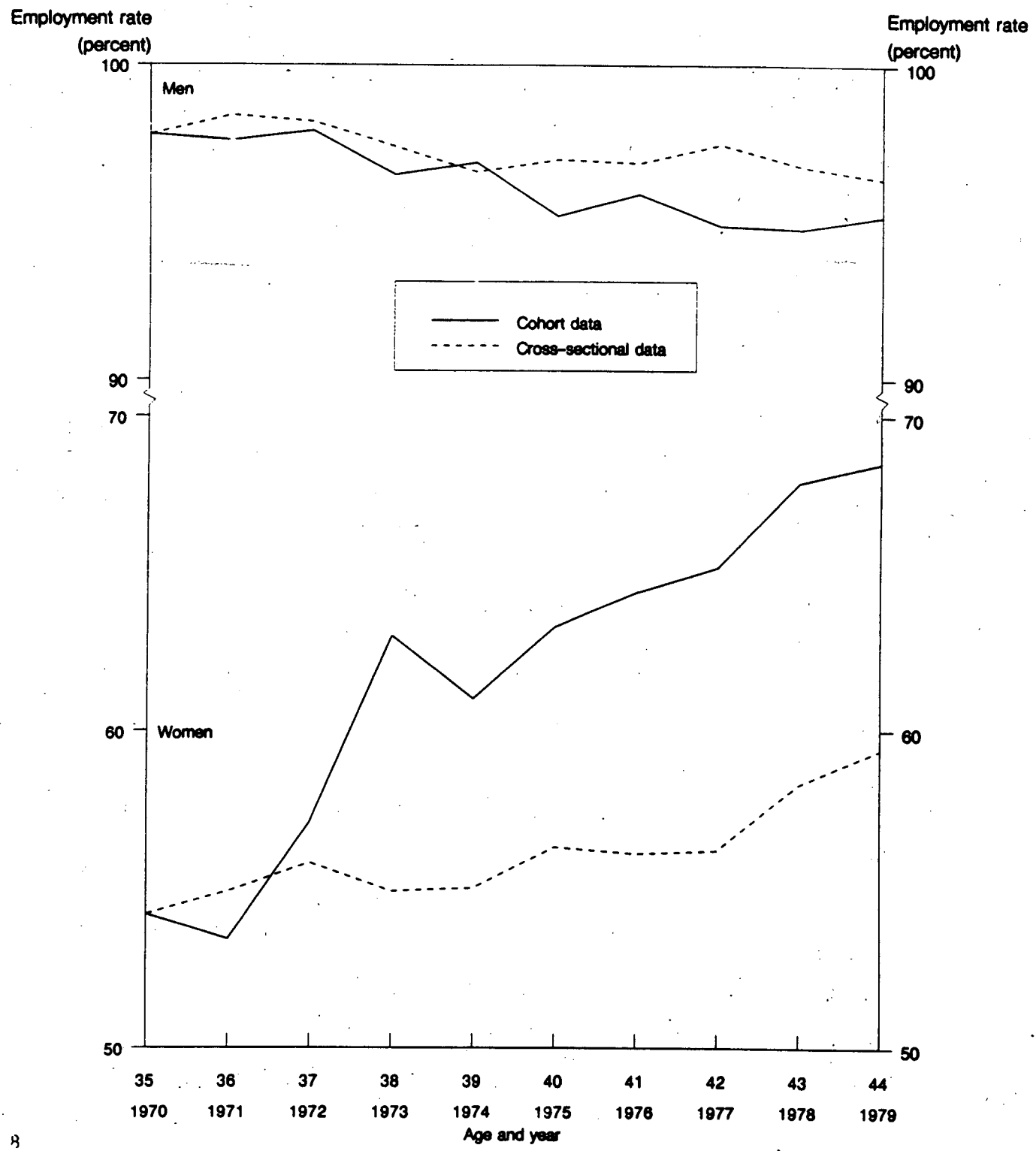


FIGURE 6. **Comparison of Annual Employment Rates in 1970 to 1979 for Men and Women 35 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**



Mean Earnings

The most critical assumption required in the estimation of lifetime earnings was that earnings levels during the 1978-80 period, i.e., cross-sectional data, be used to approximate future earnings patterns. In order to gain more insight into the validity of this assumption, data for each March CPS during the '70's were tabulated. The 1970 cross-sectional mean earnings data by age were then compared with the actual mean earnings for selected individual age cohorts. These comparisons are shown in figures 7 and 8. The charts compare mean earnings in constant 1970 dollars for men and women who were 25 and 35 years old in 1970. These charts indicate several important points. First, because the charts are in terms of constant dollars, any real growth in income during the 1970's would cause the cohort line to diverge on the upper side of the cross-sectional line. At the end point (1979)--this is the case for all four groups--the differences are relatively small. This is an indication of very little real growth in income for these groups during this period. Second, except for men, 35 years old, the cohort and cross-sectional lines are quite similar in shape and slope. Any wide divergence would be an indication that the cross-sectional data would be clearly inappropriate for estimating lifetime earnings. Comparisons of cross-sectional and cohort data indicate that the cross-sectional data can be used in the estimation process. The wide fluctuations for the 35-year-old male group may have resulted from sampling errors or from circumstances caused by the ending of the Vietnam Conflict.

LIMITATIONS

A number of important assumptions were required in the estimation of expected lifetime earnings. These assumptions, while permitting the calculation of lifetime earnings estimates, impose certain limitations on their use. The most important assumption, as indicated previously, is that current cross-sectional earnings data by age are representative of cross-sectional earnings data in the future and are, therefore, an adequate data base from which to make these estimates. There is truly no way to validate this assumption since we do not know the future. We have used cross-sectional data from 1970 and cohort data for the 1970-79 period in order to partially examine the appropriateness of using cross-sectional data to predict expected earnings for this 10-year period. This examination indicated that the cross-sectional data did reflect actual earnings trends during the 1970's. Following is a list of some other significant limitations:

1. A major factor affecting the accuracy of the lifetime earnings estimates is the projected yearly employment rates. These rates are an especially important component of the estimates for women. Yearly employment rates by age were estimated using projections of labor force participation rates developed by the Bureau of Labor Statistics. If these rates do not correspond to future trends, the lifetime estimates may be biased in some manner.

2. The selected discount and productivity rates serve to limit the range of estimates presented in the report. These rates, 0.0, 3.0, and 5.0 percent for the discount and 0.0, 1.0, 2.0, and 3.0 percent for the productivity rate, were selected to provide users with a set of "reasonable" combinations from which to choose. In the estimation procedure the specified rate was applied to each year and compounded. No attempt was made to project future trends or cyclical variations in these rates.

3. An integral part of the estimation procedures are adjustments of the earnings to reflect the probability of surviving from age A to age N. Thus, the estimates of lifetime earnings do not assume that a person lives from age 18 to 64. The survival probabilities were extracted from the life tables in Vital Statistics of the United States, 1978. Separate probabilities were applied for men and women, however, no differentiation was made between persons with differing educational attainment levels or between all persons and those working year round full time. While the rates between these groups may vary[2] or while current survival rates may not reflect future rates, given the speculative nature of the lifetime earnings estimates in this report, the significance of these differences is minor.

4. The lifetime earnings figures do not contain estimates of the value of various noncash or "fringe" benefits received by many workers. These include items such as employer- or union-provided private pension plans, group health insurance plans, and employer contributions for social insurance. The figures also exclude any estimates of the value of housework performed by either men or women.

---

[2]Evelyn Kitagawa and Philip M. Hauser, Differential Mortality in the United States, 1973 (American Public Health Association, Harvard University Press)

FIGURE 7. **Comparison of Mean Earnings in 1970 to 1979 for Men and Women 25 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**

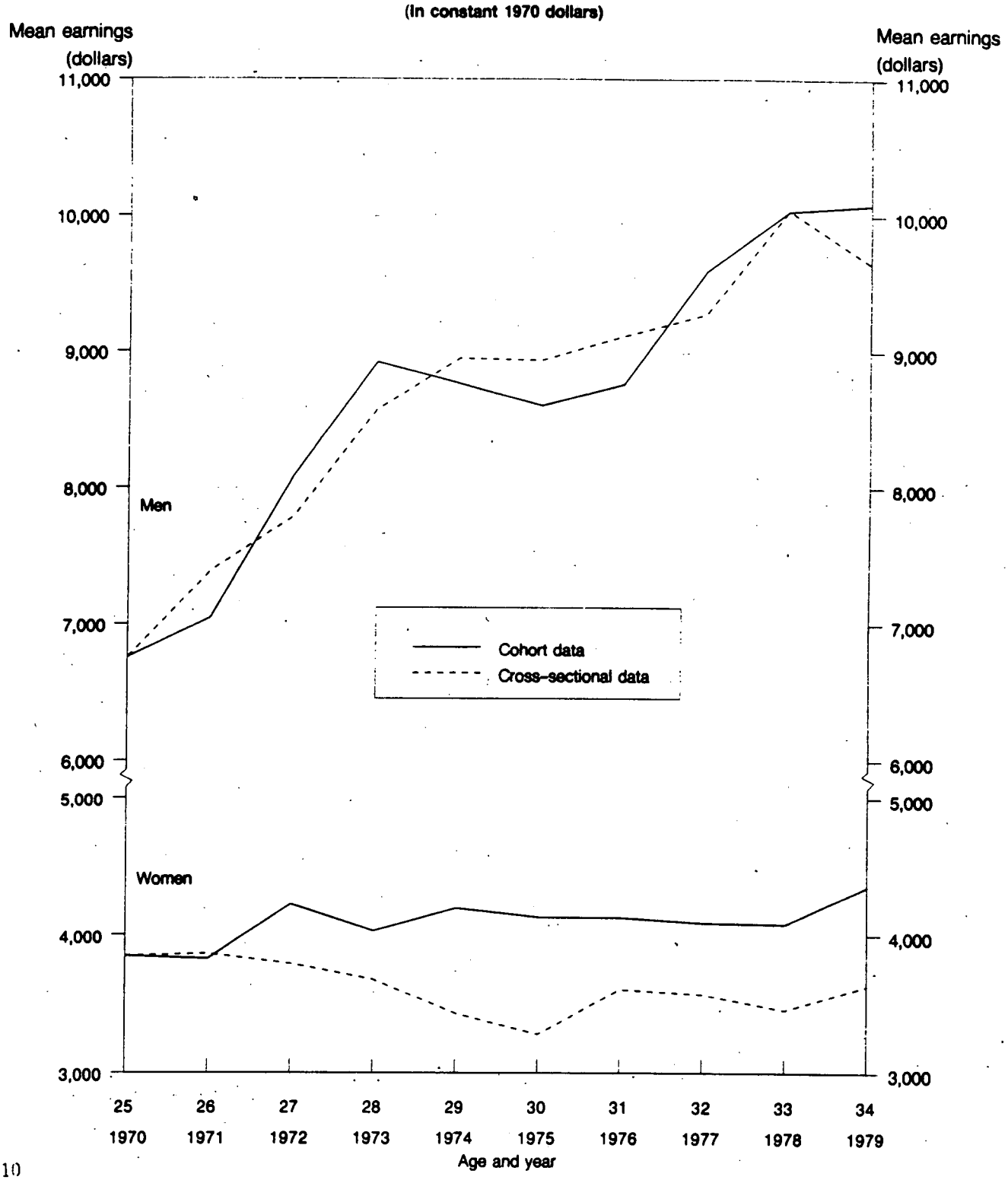


FIGURE 8. **Comparison of Mean Earnings in 1970 to 1979 for Men and Women 35 Years Old in 1970 Based on 1970 Cross-Sectional Data and Actual Cohort Data**

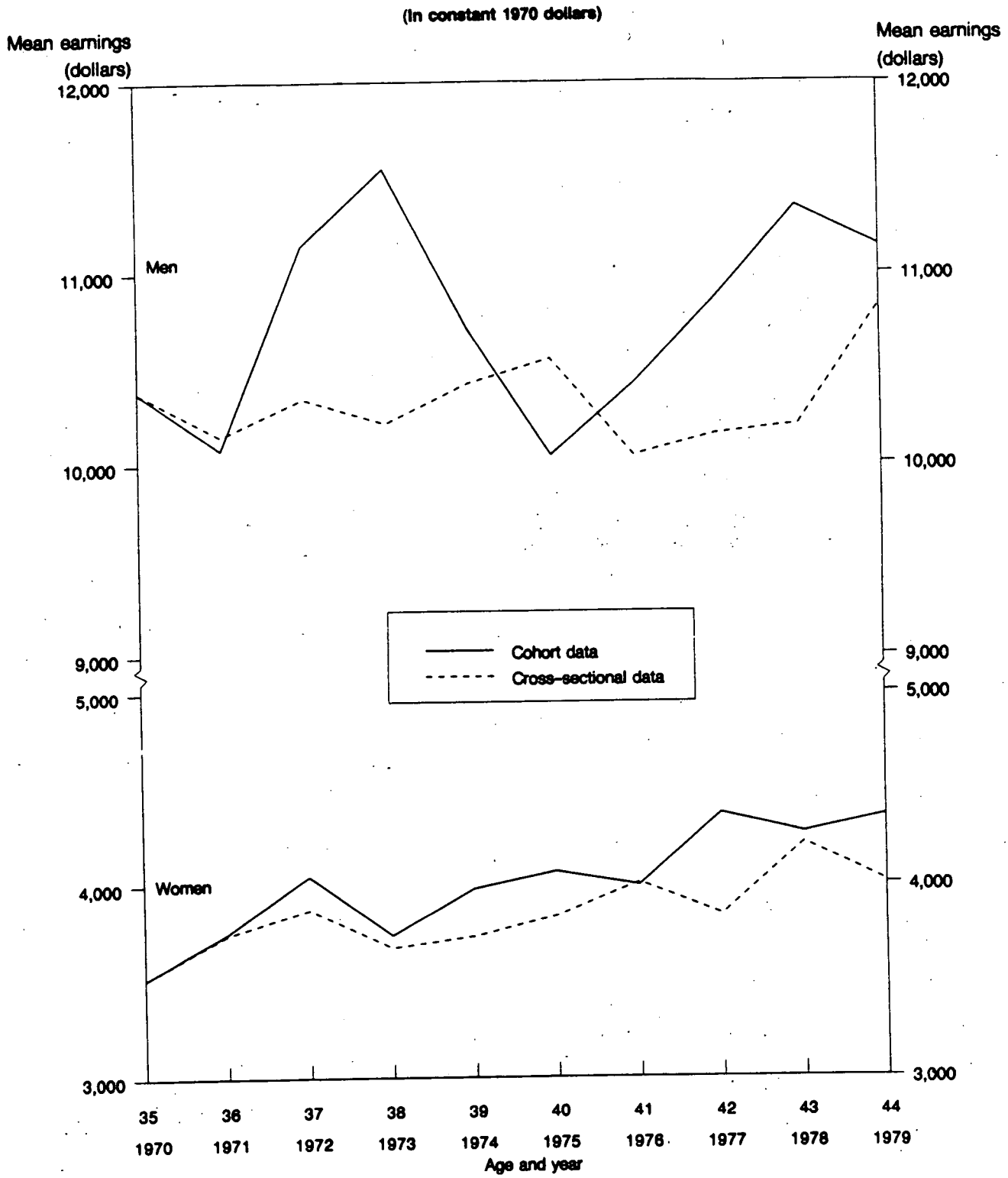


Table 1. Expected Lifetime Earnings in 1979, for Men 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	601	772	1 001	1 311	300	369	460	580	200	240	291	356
19 YEARS	600	763	981	1 273	308	376	464	579	208	248	298	362
20 YEARS	597	753	959	1 234	313	380	466	576	216	255	304	367
21 YEARS	593	741	937	1 194	318	383	466	572	221	260	309	370
22 YEARS	588	729	914	1 156	322	385	465	568	227	265	313	373
23 YEARS	581	716	890	1 117	325	386	464	562	232	269	316	374
24 YEARS	573	701	865	1 078	326	386	460	554	235	272	318	374
25 YEARS	563	685	840	1 038	326	384	456	545	237	273	318	372
26 YEARS	553	668	813	998	325	381	450	536	239	274	317	370
27 YEARS	542	651	787	959	324	378	444	525	240	274	316	367
28 YEARS	531	634	761	921	323	374	438	515	241	274	315	364
29 YEARS	518	614	734	882	319	369	429	503	240	272	311	358
30 YEARS	506	597	708	846	317	365	422	491	240	272	309	354
31 YEARS	494	579	682	810	314	360	414	480	240	270	307	350
32 YEARS	481	561	657	774	311	354	406	468	239	269	304	345
33 YEARS	469	543	632	740	307	349	397	456	239	267	300	340
34 YEARS	454	523	605	704	302	341	387	442	236	264	295	332
35 YEARS	441	505	581	672	298	335	378	429	235	261	292	327
36 YEARS	426	485	555	638	292	327	[illegible]	415	232	257	286	319
37 YEARS	409	464	528	603	284	317	355	399	227	251	278	309
38 YEARS	394	445	503	572	278	308	344	384	224	246	272	301
39 YEARS	380	426	479	541	271	300	332	370	220	241	265	293
40 YEARS	366	408	457	512	265	292	322	357	218	238	260	286
41 YEARS	349	388	432	482	257	281	309	341	212	231	252	275
42 YEARS	335	369	409	454	249	272	298	327	208	225	244	266
43 YEARS	319	350	386	426	241	262	285	312	202	218	236	256
44 YEARS	298	326	358	393	227	246	267	291	191	206	223	241
45 YEARS	283	308	336	368	219	236	255	277	186	199	215	231
46 YEARS	267	289	314	342	209	224	242	261	178	191	205	220
47 YEARS	251	271	292	316	198	213	228	245	171	182	195	209
48 YEARS	234	251	270	291	187	200	214	229	163	173	184	196
49 YEARS	217	232	248	266	175	187	199	212	153	162	173	183
50 YEARS	201	214	228	243	164	174	185	196	144	153	162	171
51 YEARS	187	198	210	223	155	164	173	183	137	145	153	161
52 YEARS	172	182	192	203	145	152	160	169	129	136	143	150
53 YEARS	154	162	171	180	131	138	144	151	118	124	129	135
54 YEARS	140	147	153	161	121	126	131	137	109	114	119	124
55 YEARS	121	126	132	138	105	109	114	119	96	99	103	108
56 YEARS	105	110	114	119	92	96	100	103	85	88	91	94
57 YEARS	92	95	99	102	81	84	87	90	75	78	80	83
58 YEARS	79	81	84	87	71	73	75	78	66	68	70	72
59 YEARS	66	68	70	72	60	62	63	65	57	58	60	61
60 YEARS	53	54	55	56	49	50	51	52	46	47	48	49
61 YEARS	41	41	42	43	38	39	39	40	36	37	38	38
62 YEARS	29	29	29	30	27	27	28	28	26	26	27	27
63 YEARS	18	19	19	19	18	18	18	18	17	17	17	18
64 YEARS	9	9	9	9	9	9	9	9	9	9	9	9
HIGH SCHOOL: 4 YEARS												
18 YEARS	861	1 104	1 430	1 872	432	531	660	830	289	346	419	512
19 YEARS	859	1 091	1 401	1 817	442	539	665	829	301	358	429	521
20 YEARS	855	1 076	1 370	1 761	451	545	667	825	311	367	438	527
21 YEARS	848	1 059	1 337	1 704	457	549	667	819	319	375	444	531
22 YEARS	838	1 040	1 303	1 647	461	550	664	810	326	380	448	533
23 YEARS	827	1 019	1 267	1 590	463	550	660	800	330	384	450	532
24 YEARS	815	997	1 231	1 534	465	549	655	789	335	388	452	532
25 YEARS	803	976	1 196	1 478	466	548	650	777	339	391	454	531
26 YEARS	788	952	1 159	1 422	465	544	642	764	342	392	453	528
27 YEARS	773	928	1 122	1 367	464	540	633	749	344	393	452	524
28 YEARS	757	903	1 084	1 312	461	535	624	734	345	392	450	519
29 YEARS	740	877	1 047	1 258	458	528	613	718	345	391	446	513
30 YEARS	722	851	1 010	1 206	454	521	603	701	345	390	443	507
31 YEARS	706	826	974	1 155	451	515	592	685	345	389	440	501
32 YEARS	687	800	937	1 104	446	507	580	668	344	386	435	494
33 YEARS	666	771	898	1 051	437	496	565	647	340	381	428	483
34 YEARS	645	743	860	1 001	430	485	550	627	337	375	420	473
35 YEARS	624	715	823	952	422	474	535	607	333	370	413	462
36 YEARS	602	686	785	903	412	461	519	586	328	363	403	450
37 YEARS	579	656	747	855	401	447	501	564	321	354	393	437
38 YEARS	556	627	711	808	390	433	484	541	314	346	382	423
39 YEARS	533	598	674	763	379	419	466	519	307	337	371	410
40 YEARS	510	570	639	719	367	405	448	497	300	328	359	396
41 YEARS	487	542	604	676	355	390	430	475	292	318	348	382
42 YEARS	466	516	572	637	344	377	414	455	285	310	338	369
43 YEARS	446	491	542	599	334	364	398	435	279	302	328	356
44 YEARS	423	464	509	560	321	348	379	413	270	291	315	341
45 YEARS	401	438	478	523	308	334	361	392	261	281	303	327
46 YEARS	379	411	447	487	295	318	343	371	252	270	290	312
47 YEARS	357	386	417	452	281	302	324	349	242	259	277	296
48 YEARS	335	360	387	418	267	286	306	327	232	247	263	280
49 YEARS	311	333	357	383	251	268	285	304	219	233	247	263
50 YEARS	287	307	327	350	235	249	265	282	206	218	231	245
51 YEARS	266	282	300	319	220	232	246	260	195	205	216	228
52 YEARS	243	257	272	288	203	214	225	238	181	190	200	210
53 YEARS	221	232	245	258	187	196	206	216	167	175	184	193
54 YEARS	198	208	218	229	170	177	186	194	153	160	167	175
55 YEARS	178	186	194	203	154	161	168	175	141	146	152	158
56 YEARS	157	164	170	177	138	143	149	154	126	131	136	141
57 YEARS	137	142	147	152	121	125	130	134	112	116	119	123
58 YEARS	117	121	125	129	105	108	112	115	98	101	104	107
59 YEARS	99	102	105	107	90	92	95	97	85	87	89	91
60 YEARS	79	81	83	85	73	74	76	78	69	70	72	73
61 YEARS	61	62	63	64	56	57	58	60	54	55	56	57
62 YEARS	46	46	47	48	43	44	44	45	42	42	43	43
63 YEARS	29	29	29	30	27	28	28	28	27	27	27	27
64 YEARS	14	14	14	14	14	14	14	14	13	13	13	13

Table 1. Expected Lifetime Earnings in 1979, for Men 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	957	1 242	1 627	2 151	461	574	724	921	299	363	446	553
19 YEARS	954	1 226	1 592	2 086	470	582	728	919	310	374	456	561
20 YEARS	952	1 213	1 560	2 026	482	592	733	918	323	387	467	570
21 YEARS	950	1 199	1 529	1 967	494	601	738	916	337	400	479	580
22 YEARS	946	1 184	1 496	1 908	504	609	742	913	349	412	490	588
23 YEARS	940	1 167	1 462	1 848	513	615	743	908	360	422	498	594
24 YEARS	930	1 146	1 425	1 787	518	617	742	900	368	429	504	598
25 YEARS	918	1 124	1 386	1 725	522	618	738	889	375	435	508	598
26 YEARS	905	1 100	1 347	1 663	524	617	732	876	380	439	510	598
27 YEARS	890	1 074	1 307	1 602	525	614	725	863	384	442	511	596
28 YEARS	875	1 048	1 266	1 541	524	611	717	848	388	444	511	593
29 YEARS	858	1 022	1 226	1 481	523	606	708	832	391	445	510	589
30 YEARS	839	994	1 184	1 421	520	600	697	815	392	445	508	583
31 YEARS	821	966	1 144	1 362	518	594	686	797	393	444	505	578
32 YEARS	801	936	1 102	1 304	512	585	673	778	393	442	500	570
33 YEARS	781	907	1 061	1 247	508	577	660	759	393	440	496	562
34 YEARS	759	877	1 019	1 190	501	567	645	738	391	436	490	553
35 YEARS	736	846	977	1 134	493	556	629	716	388	432	482	542
36 YEARS	711	812	933	1 077	482	541	611	692	382	423	472	528
37 YEARS	685	779	890	1 021	471	527	592	667	375	415	461	514
38 YEARS	659	746	847	966	459	511	572	642	368	406	449	499
39 YEARS	633	713	805	914	446	495	552	617	361	396	437	484
40 YEARS	605	678	763	861	432	478	530	590	351	385	423	467
41 YEARS	578	645	722	810	418	460	509	564	341	373	409	450
42 YEARS	556	617	686	765	407	447	492	542	336	366	399	437
43 YEARS	534	589	652	723	398	434	475	521	331	359	390	425
44 YEARS	506	556	612	676	381	415	452	494	319	345	374	406
45 YEARS	483	528	579	635	369	400	434	472	312	336	363	392
46 YEARS	452	493	537	587	349	377	408	442	296	318	343	369
47 YEARS	431	466	506	549	337	363	391	421	289	309	331	356
48 YEARS	408	439	474	512	324	346	371	399	279	298	318	340
49 YEARS	382	410	440	473	307	328	350	374	268	284	302	322
50 YEARS	352	376	403	431	286	304	324	345	251	265	282	299
51 YEARS	329	350	372	396	271	287	304	322	239	252	267	282
52 YEARS	303	321	340	360	253	267	281	297	225	236	249	262
53 YEARS	278	293	309	326	235	247	259	273	210	221	231	243
54 YEARS	255	267	280	294	218	228	239	250	197	206	215	225
55 YEARS	230	240	251	262	200	208	217	226	182	189	197	205
56 YEARS	204	212	220	229	179	186	193	200	164	170	177	183
57 YEARS	176	183	189	196	157	162	168	173	145	150	155	160
58 YEARS	149	154	159	164	134	138	143	147	125	129	133	137
59 YEARS	121	124	127	131	110	113	116	119	103	105	108	111
60 YEARS	97	100	102	104	89	91	94	96	84	86	88	90
61 YEARS	77	78	79	81	71	73	74	75	68	69	70	72
62 YEARS	55	56	57	58	52	53	54	55	50	51	52	52
63 YEARS	36	36	37	37	34	35	35	35	33	34	34	34
64 YEARS	17	18	18	18	17	17	17	17	17	17	17	17
COLLEGE: 4 YEARS												
18 YEARS	1 190	1 560	2 062	2 748	553	698	890	1 145	349	430	534	671
19 YEARS	1 193	1 547	2 025	2 673	571	714	901	1 148	368	449	553	687
20 YEARS	1 195	1 534	1 989	2 599	590	730	912	1 151	388	469	571	703
21 YEARS	1 190	1 516	1 947	2 522	602	740	917	1 148	403	483	584	713
22 YEARS	1 187	1 498	1 907	2 448	617	751	923	1 146	419	499	599	725
23 YEARS	1 184	1 481	1 868	2 376	632	763	930	1 144	436	515	613	737
24 YEARS	1 177	1 460	1 826	2 302	643	770	932	1 137	450	528	625	745
25 YEARS	1 165	1 434	1 780	2 226	650	774	930	1 127	461	538	632	749
26 YEARS	1 151	1 406	1 732	2 149	654	775	925	1 114	469	544	637	751
27 YEARS	1 134	1 376	1 683	2 072	657	774	918	1 098	476	550	640	750
28 YEARS	1 117	1 346	1 634	1 997	660	772	911	1 083	483	555	643	749
29 YEARS	1 098	1 314	1 584	1 922	660	769	902	1 065	488	559	643	746
30 YEARS	1 077	1 281	1 533	1 847	659	763	890	1 045	492	560	642	741
31 YEARS	1 057	1 248	1 483	1 774	658	758	879	1 026	496	562	642	737
32 YEARS	1 033	1 213	1 432	1 700	654	750	865	1 003	497	562	638	729
33 YEARS	1 009	1 177	1 381	1 629	649	741	850	981	499	561	634	721
34 YEARS	982	1 138	1 327	1 555	641	728	832	954	496	556	627	709
35 YEARS	956	1 102	1 277	1 486	635	717	815	930	496	553	620	699
36 YEARS	928	1 063	1 224	1 416	625	704	795	903	493	548	612	686
37 YEARS	897	1 022	1 170	1 345	613	686	772	873	486	539	599	670
38 YEARS	866	981	1 117	1 277	600	669	750	843	480	530	587	653
39 YEARS	829	936	1 060	1 205	581	647	722	808	468	515	569	631
40 YEARS	794	892	1 005	1 136	563	624	694	774	456	501	552	610
41 YEARS	765	854	957	1 076	550	607	672	746	449	491	539	594
42 YEARS	734	816	909	1 016	536	589	649	717	441	481	526	576
43 YEARS	705	779	863	958	522	571	626	688	433	470	512	559
44 YEARS	675	742	817	903	507	552	603	659	424	459	498	541
45 YEARS	639	699	767	843	486	527	573	624	409	441	477	517
46 YEARS	607	661	721	788	468	506	547	594	397	427	460	496
47 YEARS	576	624	677	736	450	485	522	563	385	413	443	475
48 YEARS	545	588	635	686	433	463	497	534	373	398	425	455
49 YEARS	509	546	587	632	408	436	466	498	355	377	401	428
50 YEARS	475	508	543	581	386	410	437	465	338	358	380	403
51 YEARS	441	470	500	533	363	385	408	432	321	338	358	378
52 YEARS	404	428	454	482	337	355	375	396	299	315	331	349
53 YEARS	369	389	411	434	310	326	343	361	278	291	306	321
54 YEARS	333	350	368	387	283	297	311	326	255	267	279	292
55 YEARS	298	312	327	342	257	268	280	293	233	243	253	264
56 YEARS	266	277	289	301	232	241	251	261	211	220	228	237
57 YEARS	236	245	254	264	208	216	224	232	192	198	205	213
58 YEARS	209	216	222	230	187	193	199	205	174	179	184	190
59 YEARS	176	181	186	191	159	164	168	173	149	153	157	162
60 YEARS	144	148	151	155	133	136	139	142	125	128	131	134
61 YEARS	118	120	122	125	110	112	114	116	105	107	109	111
62 YEARS	83	84	85	87	79	80	81	82	76	77	78	79
63 YEARS	52	52	52	53	49	50	50	51	48	48	49	49
64 YEARS	24	24	24	24	23	24	24	24	23	23	23	23

Table 1. Expected Lifetime Earnings in 1979, for Men 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	1 301	1 712	2 273	3 042	596	756	968	1 251	373	462	576	726
19 YEARS	1 304	1 698	2 232	2 958	616	773	980	1 254	394	482	596	744
20 YEARS	1 306	1 685	2 192	2 878	636	791	993	1 258	415	503	616	761
21 YEARS	1 298	1 660	2 143	2 788	646	798	994	1 250	427	515	626	769
22 YEARS	1 288	1 635	2 093	2 701	656	804	995	1 242	438	526	636	776
23 YEARS	1 284	1 615	2 050	2 621	670	815	1 001	1 239	455	542	650	787
24 YEARS	1 279	1 595	2 006	2 543	685	827	1 006	1 236	473	559	665	799
25 YEARS	1 273	1 574	1 962	2 465	699	837	1 011	1 231	490	574	679	810
26 YEARS	1 261	1 548	1 914	2 384	708	842	1 009	1 220	502	586	688	815
27 YEARS	1 249	1 521	1 866	2 305	716	846	1 008	1 209	515	597	697	820
28 YEARS	1 236	1 493	1 817	2 227	724	850	1 005	1 197	528	608	705	824
29 YEARS	1 219	1 462	1 766	2 147	729	850	999	1 182	537	616	710	825
30 YEARS	1 197	1 426	1 710	2 065	729	845	987	1 161	542	619	710	821
31 YEARS	1 174	1 389	1 655	1 983	727	839	974	1 139	546	620	709	815
32 YEARS	1 151	1 353	1 600	1 904	725	832	961	1 117	551	622	708	809
33 YEARS	1 123	1 312	1 542	1 823	719	822	944	1 091	551	620	702	800
34 YEARS	1 095	1 271	1 485	1 743	712	810	926	1 064	550	617	696	788
35 YEARS	1 065	1 229	1 427	1 664	704	796	906	1 036	548	613	688	776
36 YEARS	1 032	1 185	1 368	1 585	692	780	883	1 005	544	605	677	760
37 YEARS	999	1 141	1 309	1 508	680	763	859	973	538	597	665	744
38 YEARS	965	1 096	1 250	1 431	665	743	834	940	531	587	651	725
39 YEARS	928	1 049	1 190	1 354	648	722	806	904	520	574	635	704
40 YEARS	894	1 005	1 133	1 283	633	702	781	871	512	563	620	686
41 YEARS	859	961	1 078	1 213	617	681	754	838	503	551	605	666
42 YEARS	821	914	1 020	1 142	597	657	724	801	490	535	585	642
43 YEARS	786	870	966	1 076	579	634	697	767	479	521	568	621
44 YEARS	749	826	912	1 010	559	610	667	731	465	505	548	597
45 YEARS	715	784	862	949	541	588	641	699	454	491	531	576
46 YEARS	679	741	810	888	521	564	611	664	441	474	511	553
47 YEARS	645	701	762	830	502	541	584	631	428	459	493	530
48 YEARS	607	656	710	770	478	513	552	594	411	439	470	503
49 YEARS	570	613	660	712	454	486	520	558	393	418	446	477
50 YEARS	532	570	611	656	429	457	488	521	374	397	422	449
51 YEARS	498	531	566	605	407	432	459	488	357	378	400	424
52 YEARS	463	491	521	554	383	405	428	453	339	357	377	398
53 YEARS	427	451	477	504	358	377	397	419	320	336	353	371
54 YEARS	388	408	430	452	330	346	363	381	296	310	325	340
55 YEARS	352	368	386	404	303	316	330	345	274	286	298	311
56 YEARS	313	326	340	355	272	283	295	307	248	258	268	279
57 YEARS	278	288	299	311	245	254	263	273	225	233	241	250
58 YEARS	243	251	259	268	217	224	231	239	201	208	214	221
59 YEARS	206	212	218	224	186	191	196	202	174	179	183	189
60 YEARS	180	184	189	193	166	170	173	177	157	160	164	167
61 YEARS	144	147	149	152	135	137	139	142	129	131	133	135
62 YEARS	100	102	103	104	95	96	97	99	91	92	94	95
63 YEARS	61	61	62	62	58	59	59	60	56	57	57	58
64 YEARS	26	26	26	26	25	25	25	25	24	25	25	25

Table 2. Expected Lifetime Earnings in 1979, for Women 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	211	268	344	446	108	132	163	204	73	87	105	128
19 YEARS	209	263	335	430	110	133	163	202	75	89	106	128
20 YEARS	207	258	326	415	111	134	163	200	77	91	108	129
21 YEARS	203	252	316	399	111	133	161	196	78	91	108	129
22 YEARS	200	246	306	384	111	133	159	193	79	92	108	128
23 YEARS	196	240	296	369	111	132	158	190	80	93	108	128
24 YEARS	193	234	287	354	111	131	156	187	81	93	108	127
25 YEARS	188	227	276	339	110	129	153	182	81	93	108	126
26 YEARS	184	221	267	325	110	128	151	178	81	93	107	125
27 YEARS	180	214	257	311	109	127	148	174	82	93	107	123
28 YEARS	174	206	246	296	107	124	144	169	81	92	105	120
29 YEARS	169	199	236	282	106	122	141	164	80	91	103	118
30 YEARS	163	192	226	268	104	119	137	159	79	89	101	116
31 YEARS	159	185	217	255	103	117	134	154	79	89	100	114
32 YEARS	153	177	206	242	100	114	130	149	78	87	98	111
33 YEARS	148	170	197	229	98	111	126	144	77	86	96	108
34 YEARS	141	162	187	216	95	107	121	138	75	84	93	105
35 YEARS	134	154	176	203	92	103	116	131	73	80	90	100
36 YEARS	129	146	167	191	89	99	111	125	71	78	87	97
37 YEARS	124	140	158	180	87	96	107	120	70	77	85	94
38 YEARS	118	133	150	170	84	93	104	115	68	75	83	91
39 YEARS	113	127	142	160	82	90	100	111	67	73	80	88
40 YEARS	106	118	132	147	77	85	93	103	63	69	76	83
41 YEARS	100	111	123	137	74	81	89	98	61	66	72	79
42 YEARS	95	104	115	128	71	77	84	92	59	64	69	75
43 YEARS	89	98	108	119	68	73	80	87	57	61	66	72
44 YEARS	84	91	100	110	64	69	75	82	54	58	63	68
45 YEARS	77	84	92	100	59	64	69	75	50	54	58	63
46 YEARS	72	78	85	92	56	60	65	70	48	51	55	59
47 YEARS	68	73	79	86	54	58	62	66	46	50	53	57
48 YEARS	62	67	72	78	50	53	57	61	43	46	49	52
49 YEARS	57	61	66	71	47	50	53	56	41	43	46	49
50 YEARS	53	57	60	64	44	46	49	52	39	41	43	46
51 YEARS	48	51	54	57	40	42	44	47	35	37	39	41
52 YEARS	43	45	48	50	36	38	40	42	32	33	35	37
53 YEARS	38	40	42	44	32	33	35	37	29	30	31	33
54 YEARS	34	35	37	39	29	30	31	33	26	27	28	30
55 YEARS	30	31	33	34	26	27	28	30	24	25	26	27
56 YEARS	26	27	29	30	23	24	25	26	21	22	23	24
57 YEARS	23	24	25	25	20	21	22	22	19	19	20	21
58 YEARS	20	20	21	21	18	18	19	19	16	17	17	18
59 YEARS	16	16	17	17	14	15	15	15	13	14	14	14
60 YEARS	12	12	13	13	11	11	11	12	10	11	11	11
61 YEARS	9	10	10	10	9	9	9	9	8	8	9	9
62 YEARS	7	7	7	7	6	7	7	7	6	6	6	6
63 YEARS	4	4	4	4	4	4	4	4	4	4	4	4
64 YEARS	2	2	2	2	2	2	2	2	2	2	2	2
HIGH SCHOOL: 4 YEARS												
18 YEARS	381	483	619	803	198	241	296	368	136	161	192	232
19 YEARS	377	474	603	775	200	242	295	364	140	164	195	234
20 YEARS	371	463	585	747	201	241	293	358	142	166	196	233
21 YEARS	364	451	566	717	201	239	289	352	142	166	195	232
22 YEARS	356	439	547	688	199	236	284	344	142	165	194	229
23 YEARS	347	426	527	659	197	233	278	336	142	164	192	226
24 YEARS	339	413	508	631	195	230	273	328	142	163	190	223
25 YEARS	330	400	489	604	193	226	268	320	141	162	188	219
26 YEARS	321	387	470	577	190	222	262	311	140	161	185	216
27 YEARS	311	373	451	550	187	217	255	301	138	158	182	211
28 YEARS	302	360	433	524	184	213	249	293	137	156	179	207
29 YEARS	293	348	415	500	181	209	243	284	136	154	176	203
30 YEARS	284	335	398	476	178	205	237	276	135	153	174	199
31 YEARS	274	322	380	452	174	199	230	266	133	150	170	194
32 YEARS	265	309	363	429	170	194	223	257	131	147	166	189
33 YEARS	255	297	346	407	167	189	216	248	129	145	163	184
34 YEARS	246	284	330	385	162	184	209	239	127	141	159	179
35 YEARS	235	271	313	363	157	177	201	229	123	137	154	173
36 YEARS	226	259	297	343	153	172	194	220	121	135	150	168
37 YEARS	216	246	281	323	148	166	187	211	118	131	145	162
38 YEARS	207	234	266	304	144	160	180	202	115	127	141	157
39 YEARS	198	223	252	286	140	155	173	193	113	124	137	151
40 YEARS	188	211	238	268	134	149	165	184	109	120	132	145
41 YEARS	180	200	224	252	130	143	158	175	106	116	127	140
42 YEARS	170	189	210	235	125	137	151	166	103	112	122	134
43 YEARS	161	178	197	219	119	130	143	157	99	107	117	127
44 YEARS	153	168	185	204	115	125	136	149	96	104	113	122
45 YEARS	145	159	174	191	111	120	130	142	93	101	109	118
46 YEARS	136	148	161	176	105	113	123	133	89	96	103	111
47 YEARS	126	137	149	162	98	106	114	123	84	90	97	104
48 YEARS	119	128	138	149	94	101	108	116	81	86	92	99
49 YEARS	110	118	127	137	88	94	101	108	77	81	87	92
50 YEARS	101	108	116	124	82	87	93	99	72	76	81	86
51 YEARS	91	98	104	111	75	79	84	90	66	70	74	78
52 YEARS	83	88	93	99	68	72	77	81	60	64	67	71
53 YEARS	76	80	85	89	63	67	70	74	56	59	62	66
54 YEARS	69	72	76	80	58	61	64	67	52	55	57	60
55 YEARS	61	64	67	71	53	55	58	60	48	50	52	54
56 YEARS	55	57	59	62	48	50	52	54	43	45	47	49
57 YEARS	48	49	51	53	42	43	45	47	39	40	41	43
58 YEARS	41	43	44	45	37	38	39	40	34	35	36	37
59 YEARS	34	35	36	37	31	32	33	34	29	30	31	32
60 YEARS	28	29	29	30	26	26	27	28	24	25	25	26
61 YEARS	23	23	23	24	21	21	22	22	20	21	21	21
62 YEARS	16	16	16	16	15	15	15	15	14	14	15	15
63 YEARS	10	10	10	11	10	10	10	10	10	10	10	10
64 YEARS	4	4	4	4	4	4	4	4	4	4	4	4

Table 2. Expected Lifetime Earnings in 1979, for Women 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	460	586	754	980	236	288	356	444	160	190	229	278
19 YEARS	455	574	733	946	238	289	354	439	163	193	231	279
20 YEARS	451	565	715	914	241	291	354	435	168	197	234	281
21 YEARS	446	556	696	882	244	292	353	431	172	201	237	282
22 YEARS	440	542	676	850	246	292	351	425	175	204	239	283
23 YEARS	431	528	654	816	245	290	346	417	177	204	238	281
24 YEARS	422	514	631	783	244	287	341	408	177	204	237	278
25 YEARS	411	498	608	749	241	283	334	398	177	203	235	274
26 YEARS	400	482	585	716	238	278	327	388	175	201	232	269
27 YEARS	389	466	563	684	235	273	320	377	175	199	229	265
28 YEARS	377	449	539	652	230	267	311	366	172	196	225	259
29 YEARS	366	433	517	621	226	261	303	355	170	193	221	254
30 YEARS	353	416	494	590	221	254	294	343	168	190	216	247
31 YEARS	342	401	473	561	217	249	286	332	166	187	212	242
32 YEARS	330	384	451	532	212	242	278	320	163	183	207	236
33 YEARS	318	368	430	504	207	235	269	309	160	180	202	229
34 YEARS	305	352	409	477	202	228	260	297	157	176	197	222
35 YEARS	293	337	389	451	196	221	251	285	154	171	192	216
36 YEARS	282	322	370	426	192	215	243	275	152	168	188	210
37 YEARS	272	309	352	404	188	210	235	265	150	166	184	205
38 YEARS	261	294	334	380	183	203	227	254	147	162	179	198
39 YEARS	248	279	315	356	176	195	216	242	142	156	172	190
40 YEARS	238	266	298	336	171	189	209	232	140	153	168	184
41 YEARS	225	250	279	313	164	180	198	219	135	147	160	176
42 YEARS	212	235	261	291	156	171	188	207	129	140	153	167
43 YEARS	200	220	244	271	149	162	178	195	124	134	146	159
44 YEARS	185	203	224	248	138	151	165	180	115	125	135	147
45 YEARS	175	191	210	231	133	144	157	171	111	120	130	141
46 YEARS	163	178	194	213	125	135	147	159	106	114	123	132
47 YEARS	154	167	181	197	120	129	139	150	102	109	117	126
48 YEARS	145	157	169	183	115	123	132	142	98	105	113	121
49 YEARS	136	146	157	169	109	116	124	133	94	100	107	114
50 YEARS	126	135	144	155	103	109	116	124	90	95	101	107
51 YEARS	117	124	132	141	96	102	108	114	85	90	95	100
52 YEARS	105	112	118	125	88	92	98	103	78	82	86	91
53 YEARS	98	103	108	114	83	87	91	96	74	78	81	85
54 YEARS	88	92	97	102	76	79	83	87	68	71	75	78
55 YEARS	77	80	84	87	66	69	72	75	60	63	65	68
56 YEARS	65	68	71	73	57	59	61	64	52	54	56	58
57 YEARS	56	58	60	63	50	51	53	55	46	47	49	51
58 YEARS	48	50	51	53	43	45	46	47	40	41	43	44
59 YEARS	42	43	44	45	38	39	40	41	36	36	37	38
60 YEARS	32	32	33	34	29	30	30	31	27	28	29	29
61 YEARS	23	24	24	25	22	22	23	23	21	21	21	22
62 YEARS	16	17	17	17	15	16	16	16	15	15	15	16
63 YEARS	11	11	11	12	11	11	11	11	10	10	11	11
64 YEARS	7	7	7	7	7	7	7	7	7	7	7	7
COLLEGE: 4 YEARS												
18 YEARS	523	666	859	1 119	266	326	403	504	180	214	258	314
19 YEARS	521	658	841	1 085	273	331	406	503	187	222	265	319
20 YEARS	514	645	817	1 047	274	331	403	496	191	224	266	320
21 YEARS	511	635	798	1 013	280	335	405	494	198	231	272	324
22 YEARS	505	623	776	977	283	336	403	488	202	235	275	325
23 YEARS	498	610	754	942	285	336	400	482	207	238	277	326
24 YEARS	487	592	728	903	283	332	394	471	207	238	275	322
25 YEARS	474	573	700	863	279	326	385	459	205	235	271	316
26 YEARS	459	553	672	824	273	319	375	445	202	231	266	309
27 YEARS	445	533	644	785	268	311	365	431	199	227	261	302
28 YEARS	431	514	617	748	262	304	355	418	196	223	256	295
29 YEARS	416	493	590	710	256	296	344	403	192	218	250	287
30 YEARS	402	475	565	676	251	289	335	390	190	215	245	281
31 YEARS	387	455	538	640	244	280	323	375	185	209	238	272
32 YEARS	373	437	514	608	238	272	313	363	182	205	233	265
33 YEARS	360	419	490	577	233	266	304	350	180	202	228	259
34 YEARS	348	402	468	547	228	259	295	338	177	198	223	252
35 YEARS	335	386	446	518	224	252	286	326	175	195	219	246
36 YEARS	322	369	424	490	218	245	276	313	171	191	213	239
37 YEARS	311	354	405	464	214	239	269	303	170	188	209	233
38 YEARS	300	339	385	439	210	233	261	292	169	186	205	228
39 YEARS	283	319	361	410	200	222	247	276	161	177	195	216
40 YEARS	270	303	341	384	193	213	236	263	157	172	189	208
41 YEARS	259	289	323	362	188	207	228	253	154	168	184	202
42 YEARS	246	273	303	339	181	198	218	240	149	162	177	194
43 YEARS	230	254	281	313	170	186	204	224	141	153	167	182
44 YEARS	217	239	263	291	163	177	194	212	136	147	160	174
45 YEARS	207	226	248	273	158	171	186	202	133	143	155	167
46 YEARS	192	209	229	250	148	160	173	188	125	135	145	157
47 YEARS	176	191	208	227	136	147	159	172	115	124	133	144
48 YEARS	164	178	192	209	128	138	149	160	110	118	126	135
49 YEARS	156	168	181	195	124	133	142	153	107	114	122	130
50 YEARS	144	154	165	177	116	124	132	141	101	107	114	121
51 YEARS	136	144	154	164	111	118	125	133	98	103	109	116
52 YEARS	126	133	141	150	105	110	117	123	93	98	103	109
53 YEARS	117	123	130	137	99	104	109	115	89	93	97	102
54 YEARS	106	111	116	122	91	95	99	104	82	86	90	94
55 YEARS	93	97	101	105	80	84	87	91	73	76	79	82
56 YEARS	78	81	85	88	69	71	74	77	63	65	65	70
57 YEARS	68	70	73	75	60	62	64	66	55	57	59	61
58 YEARS	58	60	62	64	53	54	56	57	49	50	52	53
59 YEARS	46	47	48	50	42	43	44	45	39	40	41	42
60 YEARS	38	39	40	41	35	36	37	38	34	34	35	36
61 YEARS	30	30	31	31	28	29	29	29	27	27	28	28
62 YEARS	19	20	20	20	18	19	19	19	18	18	18	18
63 YEARS	11	11	11	11	10	10	11	11	10	10	10	10
64 YEARS	6	6	6	6	6	6	6	6	5	5	5	[illegible]

Table 2. Expected Lifetime Earnings in 1979, for Women 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	699	905	1 182	1 557	337	421	530	673	218	266	326	405
19 YEARS	700	896	1 159	1 512	348	429	535	674	229	277	337	414
20 YEARS	699	887	1 136	1 468	358	438	541	675	241	288	347	423
21 YEARS	698	879	1 114	1 426	369	447	547	675	253	300	358	432
22 YEARS	693	864	1 086	1 379	374	450	546	669	260	306	363	435
23 YEARS	688	851	1 061	1 334	381	454	547	666	269	314	370	440
24 YEARS	683	837	1 035	1 290	386	458	547	660	277	321	376	444
25 YEARS	673	819	1 005	1 244	389	458	544	652	282	326	379	444
26 YEARS	660	798	973	1 195	388	455	537	640	284	326	378	441
27 YEARS	647	777	941	1 147	386	450	529	627	285	326	376	437
28 YEARS	633	755	908	1 100	384	446	521	614	286	326	375	433
29 YEARS	617	733	875	1 053	380	440	511	599	286	325	371	427
30 YEARS	603	711	844	1 008	378	434	502	585	286	324	369	422
31 YEARS	586	687	811	962	373	427	491	569	285	321	364	415
32 YEARS	567	661	776	915	366	417	478	551	282	316	357	406
33 YEARS	550	638	744	872	360	409	466	535	280	313	352	398
34 YEARS	531	613	710	828	353	398	452	517	276	307	345	388
35 YEARS	512	587	677	784	344	387	438	498	271	301	336	378
36 YEARS	491	561	643	741	334	375	422	478	264	293	327	365
37 YEARS	470	534	610	699	324	[illegible]	406	458	258	285	317	353
38 YEARS	454	512	581	662	317	353	394	442	255	281	311	345
39 YEARS	436	490	552	625	309	343	381	425	251	275	303	335
40 YEARS	417	467	523	589	301	332	367	407	246	269	295	324
41 YEARS	396	440	491	550	288	317	349	386	237	258	283	310
42 YEARS	377	417	463	515	278	305	334	368	231	251	273	298
43 YEARS	353	389	430	476	263	287	314	344	219	237	258	281
44 YEARS	334	367	403	444	253	275	299	327	212	229	248	269
45 YEARS	316	345	377	413	242	262	284	308	205	220	238	257
46 YEARS	289	315	343	375	223	241	261	282	189	203	219	236
47 YEARS	271	294	319	347	212	228	246	265	181	194	208	224
48 YEARS	255	275	297	321	202	217	232	249	174	186	199	212
49 YEARS	239	256	275	295	192	205	218	233	167	177	189	201
50 YEARS	218	233	249	267	177	188	201	214	155	164	174	185
51 YEARS	203	216	229	244	168	177	188	199	148	156	165	174
52 YEARS	185	195	207	219	154	163	172	181	137	144	152	160
53 YEARS	167	175	185	195	141	148	155	163	126	132	139	145
54 YEARS	153	161	168	176	132	138	144	151	120	125	130	136
55 YEARS	132	138	144	150	114	119	124	129	104	108	113	117
56 YEARS	115	119	124	129	101	105	109	113	93	96	99	103
57 YEARS	100	104	108	111	90	92	96	99	83	86	88	91
58 YEARS	83	85	88	90	74	77	79	81	69	71	73	76
59 YEARS	68	70	72	74	62	64	66	67	59	60	62	63
60 YEARS	55	56	57	58	51	52	53	54	48	49	50	51
61 YEARS	39	40	41	41	37	37	38	39	35	36	36	37
62 YEARS	29	29	29	30	27	27	28	28	26	26	27	27
63 YEARS	15	15	15	15	14	14	14	14	14	14	14	14
64 YEARS	5	5	5	5	5	5	5	5	5	5	5	5

Table 3. Expected Lifetime Earnings in 1979, for Male Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	845	1 091	1 427	1 888	419	516	644	814	281	336	406	497
19 YEARS	838	1 074	1 393	1 828	425	519	644	808	288	343	412	501
20 YEARS	830	1 056	1 359	1 768	429	522	642	801	295	348	416	504
21 YEARS	820	1 036	1 323	1 709	431	522	639	792	299	352	419	504
22 YEARS	811	1 017	1 289	1 651	434	523	636	783	304	356	422	505
23 YEARS	800	996	1 254	1 594	436	522	632	773	308	360	424	505
24 YEARS	789	975	1 219	1 538	438	521	627	762	312	363	426	505
25 YEARS	776	954	1 184	1 483	438	519	621	751	315	365	426	503
26 YEARS	761	930	1 147	1 426	436	515	613	737	316	365	425	499
27 YEARS	747	906	1 110	1 371	434	510	605	723	317	365	423	495
28 YEARS	732	883	1 075	1 318	432	506	596	709	318	365	421	491
29 YEARS	713	856	1 036	1 263	427	497	584	691	316	361	416	483
30 YEARS	698	833	1 001	1 212	424	492	575	677	317	361	414	478
31 YEARS	681	808	965	1 161	420	485	564	661	316	358	410	471
32 YEARS	666	785	931	1 112	417	479	555	646	316	357	407	466
33 YEARS	648	759	896	1 063	412	471	543	629	314	354	402	458
34 YEARS	630	735	862	1 016	407	463	531	613	313	351	397	451
35 YEARS	614	712	829	971	403	457	521	597	313	350	394	445
36 YEARS	595	686	794	925	395	446	507	579	309	345	386	435
37 YEARS	574	658	758	877	386	434	491	558	303	338	377	423
38 YEARS	555	633	725	834	378	424	477	540	300	332	370	414
39 YEARS	536	608	693	792	371	414	464	522	296	327	363	404
40 YEARS	519	586	663	753	365	406	452	506	295	324	358	396
41 YEARS	498	559	629	711	354	392	436	485	288	316	347	383
42 YEARS	479	534	598	672	346	381	421	467	283	309	339	372
43 YEARS	458	508	566	632	335	368	405	447	277	301	329	360
44 YEARS	430	476	528	587	318	348	382	420	263	286	311	340
45 YEARS	410	452	499	552	307	335	366	401	256	278	301	328
46 YEARS	389	427	468	515	295	320	349	380	248	267	289	314
47 YEARS	369	402	439	481	283	306	332	360	239	258	278	300
48 YEARS	348	377	410	447	270	291	314	340	230	247	266	286
49 YEARS	327	354	383	414	258	277	298	320	222	237	254	272
50 YEARS	307	330	355	382	245	262	280	300	212	226	241	257
51 YEARS	288	308	330	353	233	248	264	282	204	216	229	244
52 YEARS	268	285	304	324	220	233	247	262	194	205	216	229
53 YEARS	247	261	277	294	205	216	229	242	182	191	202	213
54 YEARS	228	240	253	267	192	202	212	223	172	180	189	198
55 YEARS	203	213	224	235	173	181	190	199	156	163	171	178
56 YEARS	183	192	200	210	159	165	173	180	144	150	156	163
57 YEARS	164	170	177	184	143	149	155	161	131	136	141	147
58 YEARS	143	148	154	159	127	131	136	141	117	121	125	130
59 YEARS	124	127	131	135	111	115	118	121	104	107	110	113
60 YEARS	103	106	108	111	94	96	99	101	88	90	93	95
61 YEARS	84	86	88	90	78	80	81	83	74	75	77	79
62 YEARS	64	65	66	67	60	61	62	63	58	58	59	60
63 YEARS	47	47	48	48	45	45	46	46	43	44	44	45
64 YEARS	24	24	24	24	23	23	23	23	22	23	23	23
HIGH SCHOOL: 4 YEARS												
18 YEARS	1 041	1 343	1 753	2 315	519	638	795	1 003	349	417	503	615
19 YEARS	1 034	1 323	1 712	2 242	527	644	796	997	360	426	511	621
20 YEARS	1 024	1 300	1 670	2 170	533	647	794	988	367	433	517	624
21 YEARS	1 013	1 276	1 627	2 097	537	648	791	978	374	439	521	626
22 YEARS	1 000	1 251	1 583	2 025	539	647	786	965	379	443	524	626
23 YEARS	984	1 224	1 538	1 953	540	645	779	951	383	446	525	624
24 YEARS	969	1 197	1 494	1 883	540	643	772	937	387	449	526	622
25 YEARS	954	1 170	1 451	1 815	541	640	764	922	390	451	526	620
26 YEARS	936	1 141	1 405	1 746	539	634	754	906	391	451	524	615
27 YEARS	918	1 113	1 361	1 679	537	629	744	889	393	451	523	610
28 YEARS	899	1 083	1 316	1 613	534	623	733	871	394	451	520	604
29 YEARS	879	1 053	1 272	1 547	530	616	721	852	394	449	516	598
30 YEARS	859	1 023	1 227	1 484	525	608	709	833	394	447	512	590
31 YEARS	839	993	1 184	1 422	521	600	696	814	393	446	508	583
32 YEARS	818	963	1 141	1 361	515	591	683	794	393	443	503	575
33 YEARS	795	931	1 097	1 300	508	581	668	773	390	439	496	565
34 YEARS	773	900	1 054	1 241	501	570	653	751	387	434	490	555
35 YEARS	750	868	1 011	1 183	493	559	636	729	384	429	482	544
36 YEARS	726	834	966	1 124	482	544	618	705	378	421	471	531
37 YEARS	699	801	923	1 068	471	530	599	680	372	413	461	517
38 YEARS	674	769	880	1 013	460	516	581	656	365	405	450	503
39 YEARS	648	735	838	958	448	500	561	631	358	395	438	488
40 YEARS	622	703	796	906	435	484	541	606	350	386	426	473
41 YEARS	597	671	757	856	423	469	522	582	343	376	415	458
42 YEARS	573	641	719	808	412	455	504	559	336	368	404	445
43 YEARS	551	612	683	763	402	441	486	537	330	360	394	432
44 YEARS	526	582	645	717	388	425	467	513	322	350	381	416
45 YEARS	501	552	609	673	375	409	447	489	313	339	368	401
46 YEARS	476	521	572	629	361	392	427	465	304	328	355	384
47 YEARS	451	492	537	587	347	375	406	441	294	316	341	368
48 YEARS	426	462	502	546	332	357	385	416	283	304	326	350
49 YEARS	400	432	467	505	316	339	364	391	272	290	310	332
50 YEARS	373	401	432	465	298	319	341	365	258	275	293	313
51 YEARS	349	373	400	428	283	301	321	342	247	262	278	296
52 YEARS	322	343	365	389	264	280	297	315	232	245	259	275
53 YEARS	297	315	334	354	246	260	275	291	218	230	242	256
54 YEARS	273	288	304	321	230	242	254	268	205	215	226	238
55 YEARS	249	261	274	288	212	222	233	244	191	200	209	219
56 YEARS	226	236	246	257	195	203	212	221	177	185	192	200
57 YEARS	201	209	217	226	176	183	190	197	161	167	173	180
58 YEARS	176	183	189	196	157	162	168	173	145	150	155	160
59 YEARS	153	157	162	167	138	142	146	150	128	132	136	140
60 YEARS	127	130	133	136	116	119	122	125	109	112	114	117
61 YEARS	102	104	106	108	94	96	98	100	90	91	93	95
62 YEARS	78	79	80	81	73	74	75	77	70	71	72	73
63 YEARS	52	53	53	54	50	51	51	52	48	49	49	50
64 YEARS	26	27	27	27	26	26	26	26	25	25	25	25

Table 3. Expected Lifetime Earnings in 1979, for Male Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	1 155	1 501	1 973	2 622	561	696	874	1 112	371	446	543	670
19 YEARS	1 150	1 482	1 931	2 543	573	705	878	1 108	384	459	555	679
20 YEARS	1 142	1 459	1 886	2 463	581	710	879	1 101	394	469	563	685
21 YEARS	1 132	1 435	1 840	2 384	588	714	878	1 092	404	477	570	689
22 YEARS	1 121	1 411	1 795	2 306	594	717	876	1 082	412	485	577	693
23 YEARS	1 106	1 383	1 746	2 227	597	717	871	1 069	418	490	580	693
24 YEARS	1 091	1 355	1 699	2 150	599	716	865	1 055	424	495	582	693
25 YEARS	1 075	1 326	1 650	2 073	600	714	857	1 039	428	498	584	691
26 YEARS	1 057	1 295	1 602	1 997	600	710	849	1 023	432	500	584	688
27 YEARS	1 039	1 264	1 553	1 922	599	706	839	1 005	435	502	583	684
28 YEARS	1 019	1 233	1 504	1 849	598	701	828	987	437	503	582	679
29 YEARS	999	1 201	1 456	1 777	595	695	817	969	440	503	580	674
30 YEARS	979	1 170	1 408	1 706	593	688	805	949	441	503	578	668
31 YEARS	957	1 137	1 359	1 636	588	680	792	929	442	502	574	661
32 YEARS	935	1 104	1 312	1 568	584	672	778	908	442	500	570	653
33 YEARS	913	1 071	1 264	1 502	579	663	764	886	442	498	565	645
34 YEARS	889	1 037	1 217	1 436	573	653	749	864	441	495	559	636
35 YEARS	864	1 002	1 169	1 371	565	641	732	840	438	491	552	625
36 YEARS	838	967	1 121	1 306	556	628	714	815	434	485	543	612
37 YEARS	810	930	1 072	1 241	544	613	693	788	428	476	832	597
38 YEARS	781	892	1 022	1 178	531	596	672	760	421	467	520	581
39 YEARS	753	856	976	1 117	519	580	651	734	414	458	508	566
40 YEARS	722	816	926	1 054	503	560	627	703	403	445	493	547
41 YEARS	693	780	880	996	489	543	605	675	395	434	479	530
42 YEARS	668	747	838	943	479	529	586	651	390	427	469	517
43 YEARS	643	715	798	892	468	515	567	627	384	419	459	503
44 YEARS	612	678	753	837	451	494	543	598	373	406	442	484
45 YEARS	586	646	713	788	439	478	523	573	366	396	430	468
46 YEARS	551	605	665	732	417	453	494	539	349	377	409	444
47 YEARS	526	574	627	686	403	436	473	514	341	367	396	428
48 YEARS	500	542	589	641	389	419	452	489	332	356	382	411
49 YEARS	471	508	550	595	371	398	428	460	319	341	365	391
50 YEARS	437	470	506	545	349	373	399	428	301	321	343	366
51 YEARS	411	440	471	505	333	354	377	403	290	308	327	348
52 YEARS	381	406	432	461	312	331	351	373	274	290	307	325
53 YEARS	351	372	394	419	291	307	325	344	258	272	286	302
54 YEARS	325	343	362	382	274	288	303	319	245	257	269	283
55 YEARS	297	311	327	343	253	265	278	291	228	239	249	261
56 YEARS	268	279	292	305	232	241	252	262	211	219	228	238
57 YEARS	240	250	260	270	211	219	227	236	194	201	208	216
58 YEARS	209	217	224	232	187	193	199	206	173	178	184	190
59 YEARS	173	178	184	189	156	160	165	170	145	149	154	158
60 YEARS	146	150	153	157	133	136	140	143	125	128	131	135
61 YEARS	121	124	126	128	112	114	117	119	107	109	111	113
62 YEARS	93	95	96	97	88	89	90	92	84	85	87	88
63 YEARS	62	62	63	64	59	60	60	61	57	58	58	59
64 YEARS	31	31	31	31	30	30	30	30	29	29	29	29
COLLEGE: 4 YEARS												
18 YEARS	1 392	1 830	2 433	3 266	648	815	1 039	1 338	414	507	626	784
19 YEARS	1 394	1 815	2 389	3 176	669	834	1 052	1 342	437	529	648	802
20 YEARS	1 397	1 801	2 347	3 089	691	852	1 065	1 345	461	552	669	821
21 YEARS	1 377	1 764	2 283	2 983	691	849	1 056	1 327	463	554	670	819
22 YEARS	1 368	1 738	2 231	2 890	702	857	1 058	1 320	477	567	681	827
23 YEARS	1 357	1 711	2 178	2 798	712	863	1 058	1 310	489	579	691	834
24 YEARS	1 345	1 682	2 125	2 707	720	867	1 056	1 299	501	589	699	838
25 YEARS	1 329	1 650	2 069	2 616	725	869	1 051	1 284	510	596	705	840
26 YEARS	1 311	1 617	2 012	2 524	728	868	1 044	1 267	517	602	708	840
27 YEARS	1 291	1 582	1 954	2 434	730	866	1 035	1 249	523	607	710	838
28 YEARS	1 272	1 548	1 898	2 346	732	864	1 027	1 231	530	612	713	837
29 YEARS	1 251	1 512	1 841	2 258	733	860	1 017	1 212	535	616	714	834
30 YEARS	1 228	1 475	1 784	2 172	732	854	1 005	1 190	539	618	713	829
31 YEARS	1 205	1 437	1 726	2 086	730	848	992	1 168	543	620	712	824
32 YEARS	1 179	1 398	1 668	2 003	726	839	977	1 144	545	619	708	816
33 YEARS	1 153	1 358	1 610	1 920	722	830	961	1 119	546	618	704	807
34 YEARS	1 125	1 317	1 552	1 838	715	819	943	1 092	546	615	698	797
35 YEARS	1 097	1 277	1 495	1 759	709	808	925	1 066	545	613	692	786
36 YEARS	1 067	1 235	1 437	1 679	700	794	905	1 037	543	608	684	773
37 YEARS	1 035	1 191	1 377	1 600	688	778	883	1 006	538	600	673	758
38 YEARS	1 001	1 146	1 317	1 521	675	759	858	974	531	591	660	740
39 YEARS	965	1 099	1 257	1 443	659	739	832	940	522	579	645	721
40 YEARS	929	1 053	1 197	1 367	643	718	804	905	512	567	629	700
41 YEARS	897	1 011	1 143	1 297	630	700	781	874	506	558	617	684
42 YEARS	865	970	1 090	1 229	617	682	758	843	500	549	604	667
43 YEARS	833	929	1 038	1 163	603	664	734	813	493	539	591	650
44 YEARS	801	887	986	1 098	588	645	709	781	485	528	577	631
45 YEARS	762	841	929	1 030	567	619	678	744	471	511	556	606
46 YEARS	728	799	878	967	549	598	651	711	460	498	539	585
47 YEARS	694	757	828	907	531	575	624	678	449	483	522	564
48 YEARS	659	716	778	847	513	552	596	645	437	469	503	542
49 YEARS	620	670	725	785	488	524	564	607	419	448	480	514
50 YEARS	582	626	674	726	465	497	532	570	402	428	457	488
51 YEARS	544	582	624	668	440	469	499	533	384	407	433	460
52 YEARS	504	537	573	611	413	438	465	494	363	384	406	430
53 YEARS	466	494	524	556	387	408	432	457	343	361	381	402
54 YEARS	427	451	476	502	359	378	397	419	320	336	353	371
55 YEARS	388	407	428	450	330	346	363	380	297	311	325	340
56 YEARS	351	366	383	401	303	316	329	344	275	286	298	311
57 YEARS	314	326	340	353	275	285	296	308	251	261	271	281
58 YEARS	277	287	297	307	246	254	263	272	227	235	242	250
59 YEARS	237	245	252	260	214	220	227	233	199	205	211	217
60 YEARS	203	208	213	219	186	190	195	200	175	179	183	188
61 YEARS	165	168	171	175	153	156	159	162	145	148	151	154
62 YEARS	124	126	128	130	117	119	121	122	112	114	116	117
63 YEARS	84	85	86	87	80	81	82	83	78	79	79	80
64 YEARS	43	43	44	44	42	42	42	43	41	41	41	42

Table 3. Expected Lifetime Earnings in 1979, for Male Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	1 503	1 978	2 629	3 529	696	878	1 120	1 445	442	542	673	844
19 YEARS	1 506	1 961	2 582	3 432	719	898	1 134	1 449	466	566	695	864
20 YEARS	1 508	1 945	2 536	3 338	742	918	1 148	1 453	492	591	719	884
21 YEARS	1 490	1 909	2 470	3 226	745	918	1 142	1 436	497	596	722	885
22 YEARS	1 493	1 894	2 426	3 138	770	939	1 156	1 440	524	623	747	906
23 YEARS	1 478	1 861	2 366	3 035	777	942	1 153	1 426	535	632	755	910
24 YEARS	1 461	1 826	2 304	2 933	783	943	1 148	1 411	544	640	760	912
25 YEARS	1 444	1 792	2 244	2 834	789	945	1 143	1 396	555	649	767	915
26 YEARS	1 425	1 756	2 182	2 735	793	945	1 136	1 378	562	656	771	914
27 YEARS	1 406	1 720	2 122	2 639	797	944	1 129	1 360	571	663	775	915
28 YEARS	1 386	1 684	2 063	2 545	801	944	1 121	1 342	580	670	780	915
29 YEARS	1 365	1 647	2 003	2 453	804	942	1 112	1 323	589	676	783	913
30 YEARS	1 340	1 606	1 939	2 358	802	935	1 098	1 298	592	678	782	907
31 YEARS	1 315	1 566	1 878	2 267	801	929	1 085	1 275	598	681	781	902
32 YEARS	1 289	1 525	1 816	2 176	799	921	1 070	1 251	601	682	779	896
33 YEARS	1 259	1 481	1 752	2 085	793	910	1 052	1 222	602	681	774	885
34 YEARS	1 228	1 436	1 688	1 996	786	898	1 032	1 193	602	678	767	874
35 YEARS	1 196	1 390	1 624	1 908	777	884	1 011	1 163	600	673	759	861
36 YEARS	1 161	1 342	1 559	1 819	766	867	987	1 129	596	666	748	845
37 YEARS	1 127	1 295	1 495	1 734	754	850	963	1 096	591	659	737	828
38 YEARS	1 089	1 245	1 429	1 648	739	830	936	1 060	584	648	722	809
39 YEARS	1 049	1 193	1 362	1 562	721	806	906	1 022	573	634	705	787
40 YEARS	1 011	1 144	1 299	1 480	704	784	877	985	564	622	689	766
41 YEARS	974	1 096	1 238	1 402	688	764	850	950	556	611	674	746
42 YEARS	935	1 047	1 175	1 324	669	739	820	911	544	596	655	722
43 YEARS	897	999	1 116	1 249	651	716	791	875	533	582	638	700
44 YEARS	857	950	1 055	1 175	630	691	759	837	520	566	618	676
45 YEARS	820	904	999	1 105	612	667	730	801	509	552	600	653
46 YEARS	778	854	939	1 034	588	639	696	760	493	533	577	626
47 YEARS	740	807	883	967	566	613	665	723	478	515	556	601
48 YEARS	698	759	825	899	542	584	631	683	461	495	532	573
49 YEARS	658	711	770	834	517	555	597	643	443	474	508	545
50 YEARS	616	663	714	770	490	525	562	603	423	451	482	515
51 YEARS	576	617	662	710	465	496	529	564	405	430	457	487
52 YEARS	537	572	610	651	439	466	495	526	386	408	432	458
53 YEARS	499	529	561	596	414	437	462	489	366	386	407	430
54 YEARS	459	484	511	540	385	406	427	450	344	361	379	399
55 YEARS	422	443	465	488	360	377	395	414	324	339	354	371
56 YEARS	378	395	413	432	327	341	355	371	297	309	322	335
57 YEARS	340	354	368	382	298	310	322	334	273	283	294	305
58 YEARS	301	312	322	334	268	277	286	296	248	256	265	273
59 YEARS	259	267	275	283	234	241	248	255	219	225	231	238
60 YEARS	222	227	232	238	203	208	213	218	192	196	201	205
61 YEARS	176	180	183	186	164	167	170	173	156	159	162	165
62 YEARS	129	131	133	135	122	124	126	127	118	119	121	122
63 YEARS	81	82	82	83	77	78	79	79	75	76	76	77
64 YEARS	38	38	38	39	37	37	37	37	36	36	37	37

Table 4. Expected Lifetime Earnings in 1979, for Female Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
LESS THAN 12 YEARS OF SCHOOLING												
18 YEARS	500	641	834	1 099	256	312	385	482	177	208	249	301
19 YEARS	494	629	812	1 062	257	312	383	476	179	210	250	301
20 YEARS	487	616	789	1 025	259	312	380	470	182	213	251	301
21 YEARS	480	602	766	987	259	310	377	463	184	214	252	300
22 YEARS	471	588	743	950	258	308	372	455	184	214	251	298
23 YEARS	462	573	720	914	257	305	367	446	185	214	250	295
24 YEARS	452	558	696	878	255	302	361	437	185	213	248	292
25 YEARS	437	537	668	838	247	293	350	423	179	207	241	284
26 YEARS	428	523	646	805	246	290	344	414	179	206	239	281
27 YEARS	418	508	624	772	244	286	339	405	179	205	238	277
28 YEARS	408	493	601	740	241	282	332	395	178	204	235	273
29 YEARS	399	479	580	709	239	278	326	386	178	203	233	270
30 YEARS	388	463	558	678	235	273	319	376	176	200	229	265
31 YEARS	377	448	537	648	232	268	312	366	175	198	226	260
32 YEARS	367	433	516	619	228	263	305	356	173	196	223	256
33 YEARS	356	419	496	591	225	258	298	346	172	194	220	251
34 YEARS	347	405	477	565	222	254	291	337	171	192	217	247
35 YEARS	335	389	456	537	217	247	283	325	168	188	212	240
36 YEARS	323	374	435	510	212	240	274	314	165	184	207	234
37 YEARS	313	361	418	486	209	236	267	305	164	182	204	230
38 YEARS	303	347	399	461	205	230	260	295	162	180	200	224
39 YEARS	292	333	381	438	200	224	252	285	159	176	196	219
40 YEARS	279	317	361	412	193	216	242	272	154	171	189	211
41 YEARS	267	301	341	388	186	208	232	260	150	165	183	203
42 YEARS	257	289	325	367	182	202	225	251	148	162	179	197
43 YEARS	247	276	309	347	178	197	217	241	146	159	175	192
44 YEARS	233	259	289	323	169	186	205	227	139	151	166	182
45 YEARS	222	245	272	303	163	179	196	216	135	147	160	175
46 YEARS	211	233	257	284	158	172	188	206	131	142	155	168
47 YEARS	202	221	243	267	153	166	181	197	128	139	150	163
48 YEARS	190	208	227	248	146	158	171	186	123	133	143	155
49 YEARS	179	194	211	229	139	149	161	175	118	127	136	147
50 YEARS	169	182	197	213	133	143	153	165	114	122	131	140
51 YEARS	159	171	184	198	127	136	145	156	110	117	125	133
52 YEARS	148	158	169	181	120	127	136	145	104	111	118	125
53 YEARS	138	147	156	166	114	121	128	135	100	106	112	118
54 YEARS	128	136	143	152	107	113	119	126	95	100	106	111
55 YEARS	118	124	131	137	100	105	110	116	90	94	99	103
56 YEARS	106	111	116	122	91	95	99	104	82	86	90	94
57 YEARS	95	99	103	107	83	86	90	93	76	79	82	85
58 YEARS	85	88	91	94	75	77	80	83	69	71	74	76
59 YEARS	72	74	76	79	64	66	68	70	60	61	63	65
60 YEARS	61	63	65	66	56	57	59	60	52	54	55	57
61 YEARS	51	52	53	54	47	48	49	50	45	46	47	48
62 YEARS	41	41	42	43	39	39	40	40	37	38	38	39
63 YEARS	26	26	26	27	25	25	25	25	24	24	24	25
64 YEARS	12	12	12	13	12	12	12	12	12	12	12	12
HIGH SCHOOL: 4 YEARS												
18 YEARS	634	817	1 068	1 412	319	390	485	611	217	257	309	376
19 YEARS	627	802	1 040	1 365	322	392	483	605	221	261	312	378
20 YEARS	619	786	1 012	1 317	323	391	480	597	224	263	313	378
21 YEARS	609	769	983	1 270	323	390	476	588	226	265	314	376
22 YEARS	599	752	954	1 224	323	388	471	579	228	266	314	375
23 YEARS	589	734	925	1 178	322	385	465	569	229	267	313	373
24 YEARS	578	716	896	1 134	321	382	460	559	230	267	313	370
25 YEARS	567	698	868	1 090	320	379	453	548	231	267	311	367
26 YEARS	555	679	839	1 047	318	375	446	537	231	266	309	363
27 YEARS	542	660	810	1 004	315	370	438	525	230	264	306	358
28 YEARS	530	641	782	963	312	365	431	513	230	263	304	354
29 YEARS	517	622	755	923	309	360	423	501	229	261	301	349
30 YEARS	504	603	727	883	305	354	415	489	228	259	298	344
31 YEARS	490	583	699	844	300	347	405	476	225	256	293	338
32 YEARS	476	564	672	806	295	341	395	462	223	253	288	331
33 YEARS	464	546	647	771	292	335	387	450	222	251	285	326
34 YEARS	450	527	620	735	287	328	378	437	220	248	280	320
35 YEARS	436	507	594	700	282	321	368	423	217	244	275	312
36 YEARS	421	488	568	665	276	313	357	410	214	239	269	305
37 YEARS	408	470	544	633	271	306	348	397	211	236	265	298
38 YEARS	393	451	519	600	264	298	337	383	208	231	258	290
39 YEARS	379	432	495	569	258	289	326	369	204	226	252	282
40 YEARS	366	415	472	540	253	282	316	356	201	223	247	275
41 YEARS	353	398	451	512	248	275	307	344	199	219	242	269
42 YEARS	340	381	429	484	242	268	297	331	196	215	237	261
43 YEARS	326	363	407	456	235	259	286	318	192	210	230	253
44 YEARS	313	347	386	430	229	251	276	305	188	205	224	246
45 YEARS	300	331	366	405	223	243	267	293	185	201	219	238
46 YEARS	285	313	344	380	215	234	255	279	180	195	211	229
47 YEARS	268	293	321	352	204	222	241	262	172	186	201	217
48 YEARS	254	276	301	328	196	212	229	248	167	179	193	208
49 YEARS	240	260	281	305	188	203	218	235	162	173	185	199
50 YEARS	224	241	260	280	178	190	204	219	153	164	175	187
51 YEARS	207	222	238	256	166	177	189	202	144	153	163	174
52 YEARS	191	204	218	233	155	165	176	187	136	144	153	162
53 YEARS	177	188	200	213	146	155	164	174	129	136	144	152
54 YEARS	164	173	183	193	137	144	152	160	122	128	135	142
55 YEARS	150	158	166	175	128	134	140	147	115	120	126	132
56 YEARS	137	143	150	157	118	123	129	134	107	112	116	121
57 YEARS	122	127	132	137	106	111	115	119	97	101	105	109
58 YEARS	107	111	115	119	95	98	102	105	88	91	94	97
59 YEARS	91	94	97	100	82	85	87	90	77	79	81	83
60 YEARS	77	79	81	83	70	72	73	75	66	67	69	71
61 YEARS	63	64	65	67	58	59	60	62	55	56	57	59
62 YEARS	47	48	48	49	44	45	46	46	42	43	44	44
63 YEARS	34	34	34	35	32	33	33	33	31	32	32	32
64 YEARS	14	14	14	14	14	14	14	14	14	14	14	14

Table 4. Expected Lifetime Earnings in 1979, for Female Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 1 TO 3 YEARS												
18 YEARS	716	916	1 189	1 564	369	448	552	690	255	300	358	432
19 YEARS	691	882	1 141	1 494	355	432	533	666	243	288	344	417
20 YEARS	683	866	1 112	1 443	358	433	531	659	248	292	347	418
21 YEARS	675	849	1 081	1 393	360	433	528	651	252	295	350	419
22 YEARS	664	831	1 051	1 343	361	432	523	642	255	297	351	418
23 YEARS	654	812	1 019	1 294	361	430	518	632	257	299	351	416
24 YEARS	642	792	988	1 245	360	427	512	621	259	300	351	414
25 YEARS	630	773	957	1 197	359	424	506	610	260	300	350	411
26 YEARS	617	752	926	1 150	357	420	498	597	261	300	348	407
27 YEARS	604	731	894	1 104	354	415	490	584	261	299	345	402
28 YEARS	589	710	863	1 058	351	409	481	571	260	297	342	397
29 YEARS	575	688	832	1 013	347	403	472	557	259	295	338	391
30 YEARS	557	665	799	967	340	394	460	541	255	290	332	383
31 YEARS	542	643	768	924	336	387	450	526	253	287	327	376
32 YEARS	527	622	738	883	331	330	439	512	251	284	323	369
33 YEARS	512	601	709	842	326	373	429	497	249	281	318	363
34 YEARS	497	580	681	803	321	365	419	483	247	277	313	356
35 YEARS	482	559	652	765	315	357	408	468	244	273	308	348
36 YEARS	465	537	623	727	308	348	396	453	241	269	301	339
37 YEARS	450	517	596	691	302	340	385	438	238	265	296	332
38 YEARS	433	495	568	655	295	330	372	422	233	259	288	322
39 YEARS	415	472	539	618	286	319	359	404	227	252	279	312
40 YEARS	399	452	513	584	278	310	346	389	223	246	272	302
41 YEARS	385	433	489	554	272	302	336	375	220	242	267	295
42 YEARS	370	414	465	523	266	293	325	361	217	237	260	287
43 YEARS	355	395	441	493	259	284	313	346	213	232	253	278
44 YEARS	332	368	410	457	243	267	294	324	200	218	238	261
45 YEARS	316	349	386	428	234	256	281	308	195	211	230	251
46 YEARS	300	329	363	400	226	246	268	293	189	204	221	241
47 YEARS	286	312	342	375	218	236	257	279	184	198	214	232
48 YEARS	266	290	316	345	205	222	240	260	174	187	201	217
49 YEARS	252	273	296	321	197	212	229	246	169	181	194	208
50 YEARS	236	254	274	296	187	200	215	231	161	172	184	197
51 YEARS	221	237	254	273	178	189	202	216	154	164	175	186
52 YEARS	207	221	236	252	169	179	191	203	148	157	166	176
53 YEARS	190	202	215	228	157	166	176	187	139	147	155	164
54 YEARS	177	187	197	208	149	156	165	173	133	139	146	154
55 YEARS	162	170	178	187	138	145	151	159	124	130	136	142
56 YEARS	145	151	158	165	125	131	136	142	114	118	123	129
57 YEARS	130	135	140	146	114	118	122	127	104	108	112	116
58 YEARS	113	117	121	125	101	104	108	111	93	96	99	103
59 YEARS	98	101	104	107	89	91	94	96	83	85	88	90
60 YEARS	80	82	84	86	73	75	76	78	69	70	72	74
61 YEARS	63	65	66	67	59	60	61	62	56	57	58	59
62 YEARS	46	47	47	48	43	44	45	45	41	42	43	43
63 YEARS	33	34	34	34	32	32	32	33	31	31	31	32
64 YEARS	15	15	15	16	15	15	15	15	15	15	15	15
COLLEGE: 4 YEARS												
18 YEARS	846	1 102	1 454	1 942	410	508	639	814	273	327	397	490
19 YEARS	846	1 092	1 427	1 887	423	519	646	815	287	341	410	501
20 YEARS	830	1 065	1 383	1 817	420	514	637	800	286	339	407	496
21 YEARS	823	1 047	1 349	1 757	425	517	636	793	293	346	413	499
22 YEARS	811	1 025	1 311	1 695	426	516	631	782	296	348	414	498
23 YEARS	800	1 004	1 275	1 635	428	515	627	772	300	351	416	498
24 YEARS	786	981	1 237	1 575	428	512	620	760	302	353	416	495
25 YEARS	772	957	1 199	1 515	426	508	613	746	304	353	415	492
26 YEARS	758	934	1 161	1 458	425	505	605	733	305	354	414	489
27 YEARS	743	909	1 124	1 401	423	500	596	718	306	353	411	484
28 YEARS	727	885	1 086	1 345	420	494	587	704	306	352	409	479
29 YEARS	711	860	1 049	1 290	417	488	577	688	305	350	406	474
30 YEARS	694	835	1 013	1 237	413	482	567	673	305	349	402	468
31 YEARS	677	810	976	1 184	408	475	556	656	303	346	398	461
32 YEARS	660	785	940	1 133	403	467	545	640	301	343	393	454
33 YEARS	643	760	905	1 084	398	460	534	624	300	340	389	447
34 YEARS	623	734	868	1 033	391	450	520	605	296	335	382	437
35 YEARS	606	709	834	986	386	441	508	588	294	332	376	429
36 YEARS	588	685	801	941	380	433	496	572	291	328	371	421
37 YEARS	570	660	767	896	373	424	484	555	289	324	365	413
38 YEARS	553	636	736	853	367	415	472	538	286	320	359	405
39 YEARS	533	610	701	809	358	404	457	519	281	313	350	394
40 YEARS	516	588	672	770	353	395	445	503	279	309	345	386
41 YEARS	500	566	642	731	347	387	434	487	277	306	339	378
42 YEARS	484	544	614	694	341	379	422	471	274	302	334	370
43 YEARS	468	524	587	660	336	371	411	457	273	299	329	363
44 YEARS	452	502	559	624	329	362	399	441	271	295	323	354
45 YEARS	434	480	531	589	322	352	386	424	267	290	315	344
46 YEARS	411	452	498	550	308	336	367	401	257	278	302	329
47 YEARS	382	419	460	506	289	314	342	374	242	261	283	308
48 YEARS	362	395	431	471	277	300	326	354	233	252	272	294
49 YEARS	346	375	407	442	269	290	313	338	229	246	265	285
50 YEARS	327	352	380	411	258	277	297	320	222	237	253	272
51 YEARS	310	332	357	383	249	266	284	304	216	230	245	261
52 YEARS	291	310	331	353	238	252	268	285	208	221	234	248
53 YEARS	274	290	307	326	227	240	253	268	201	212	224	236
54 YEARS	255	269	284	299	216	227	238	250	194	203	213	223
55 YEARS	226	238	249	262	193	202	212	222	174	182	190	199
56 YEARS	202	211	220	230	174	182	190	198	159	165	172	179
57 YEARS	185	192	200	207	163	169	175	182	150	156	161	167
58 YEARS	157	162	167	173	140	144	149	154	129	133	138	142
59 YEARS	134	138	142	146	121	125	128	132	113	117	120	123
60 YEARS	110	113	115	118	101	103	106	108	95	97	100	102
61 YEARS	91	93	95	96	85	87	88	90	81	83	84	86
62 YEARS	59	60	60	61	55	56	57	58	53	54	54	55
63 YEARS	41	41	42	42	39	39	40	40	38	38	39	39
64 YEARS	20	20	20	20	19	20	20	20	19	19	19	19

Table 4. Expected Lifetime Earnings in 1979, for Female Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Selected Assumptions for Discount and Productivity Rates—Continued

(EXPECTED LIFETIME EARNINGS IN THOUSANDS OF 1981 DOLLARS)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF--			
	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT	0 PERCENT	1 PERCENT	2 PERCENT	3 PERCENT
COLLEGE: 5 YEARS OR MORE												
18 YEARS	955	1 245	1 642	2 189	456	569	719	918	296	359	441	547
19 YEARS	955	1 233	1 611	2 126	470	581	727	920	312	375	455	560
20 YEARS	956	1 222	1 580	2 066	485	594	735	921	328	391	470	573
21 YEARS	956	1 211	1 550	2 007	500	606	743	923	346	407	486	585
22 YEARS	941	1 183	1 505	1 933	500	603	736	908	348	409	485	583
23 YEARS	926	1 157	1 461	1 864	500	601	729	895	351	411	486	581
24 YEARS	914	1 133	1 420	1 797	503	601	724	883	357	416	489	581
25 YEARS	900	1 109	1 379	1 732	505	599	719	870	362	419	491	580
26 YEARS	884	1 082	1 337	1 666	504	595	710	855	364	421	490	577
27 YEARS	867	1 055	1 294	1 602	502	591	701	840	366	422	489	573
28 YEARS	850	1 027	1 252	1 539	500	586	691	823	368	422	487	568
29 YEARS	832	999	1 210	1 477	498	580	681	806	369	421	485	563
30 YEARS	814	971	1 168	1 416	495	573	670	789	370	421	482	557
31 YEARS	794	942	1 126	1 356	490	565	657	770	369	418	478	549
32 YEARS	773	912	1 084	1 297	484	556	644	751	368	415	473	541
33 YEARS	752	883	1 042	1 239	478	547	630	731	366	412	467	532
34 YEARS	731	853	1 001	1 182	471	537	616	710	363	408	460	523
35 YEARS	710	824	961	1 128	465	528	602	691	361	404	454	514
36 YEARS	685	791	918	1 071	454	513	583	667	355	396	444	500
37 YEARS	655	753	870	1 010	438	494	560	637	343	382	428	481
38 YEARS	633	724	831	959	429	481	543	616	338	376	419	470
39 YEARS	610	694	792	909	419	468	526	594	333	369	410	457
40 YEARS	587	665	755	861	409	456	510	572	328	361	400	445
41 YEARS	566	637	719	815	400	444	494	552	323	355	392	433
42 YEARS	544	609	684	770	390	431	477	531	318	348	382	421
43 YEARS	514	573	640	718	371	409	452	501	304	332	364	400
44 YEARS	492	546	607	676	361	396	435	480	297	324	354	387
45 YEARS	470	519	574	636	350	382	419	459	291	316	343	374
46 YEARS	440	483	532	587	330	359	392	429	275	298	324	352
47 YEARS	418	458	501	550	319	346	376	409	268	289	313	339
48 YEARS	396	431	470	512	306	331	358	387	260	279	300	324
49 YEARS	377	407	441	479	296	318	342	368	253	271	290	312
50 YEARS	350	377	407	439	278	298	319	343	240	256	273	292
51 YEARS	329	352	378	405	265	282	301	322	230	245	260	277
52 YEARS	306	326	348	372	250	265	282	300	219	232	246	261
53 YEARS	281	298	317	337	233	246	260	276	206	217	229	242
54 YEARS	260	275	290	307	219	230	242	255	195	205	215	226
55 YEARS	238	250	263	276	203	213	223	234	183	192	200	210
56 YEARS	217	226	236	247	188	196	204	213	171	178	185	193
57 YEARS	192	200	208	216	169	175	182	189	155	161	167	173
58 YEARS	159	165	171	177	141	146	151	156	130	135	139	144
59 YEARS	137	141	145	150	123	126	130	134	114	118	121	125
60 YEARS	116	119	122	125	106	109	111	114	100	102	105	107
61 YEARS	97	99	101	103	90	92	94	96	86	88	89	91
62 YEARS	77	78	79	81	73	74	75	76	70	71	72	73
63 YEARS	46	46	47	47	44	44	44	45	42	43	43	44
64 YEARS	22	23	23	23	22	22	22	22	21	21	22	22

Appendix A. Definitions and Explanations

Population coverage. This report includes the civilian noninstitutional population of the United States.

Source of data. Three data files (the March 1979, March 1980, and March 1981 Current Population Surveys (CPS)) were combined to increase the sample size and thus reduce the variance on the 1979-centered mean earnings by single years of age, educational attainment, and sex.

Earnings. In each March CPS questions were asked on the amount of earnings received during the previous calendar year for all sample persons age 15 years old and over. Earnings are defined as the sum of amounts reported separately for (1) wages or salary which includes wages, salary, Armed Forces pay, commissions, tips, piece-rate payments, and cash bonuses earned; (2) net income from nonfarm self-employment income (gross receipts minus expenses) from one's own business, professional enterprise, or partnership; and (3) net income from self-employment income (gross receipts minus operating expenses) from the operation of a farm by a person on his/her own account, as an owner, renter, or sharecropper. The amounts recorded were earnings before deductions for personal taxes, bonds, pensions, union dues, Social Security, and Medicare.

Mean earnings. The mean earnings is the amount obtained by dividing the total earnings of a group by the number of units in that group. The mean earnings calculations for persons are based on persons with earnings.

Lifetime earnings. Lifetime earnings estimates represent a summation of the products of mean earnings estimates at each age, the number of survivors in the comparable population out of 100,000 at birth from an initial stipulated age to a terminal age divided by the comparable number out of 100,000 at birth who survived to the initial stipulated age, and the projected yearly employment rate at each age. Lifetime earnings estimates are a measure of the earnings that could be expected, on the average, by members of specific educational groupings in a lifetime if the mean earnings estimates by age and education, did not change from those existing in the reference years, if the projected yearly employment rates are accurate, and if life expectancy rates remain the same.

Age. The age classification is based on the age of the person at his/her last birthday.

Years of school completed. Data on years of school completed were derived from the combination of answers to questions concerning the highest grade of school attended by the person and whether or not that grade was finished. The questions on educational attainment apply only to progress in "regular" schools. Such schools include graded public, private, and parochial elementary and high schools (both junior and senior); colleges; universities; and professional schools. Thus, regular schooling is that which may advance a person toward an elementary school certificate, a high school diploma, or a college, university, or professional school degree. Schooling in other than regular schools was counted only if the credits obtained were regarded as transferable to a school in the regular school system.

Work experience. A person with work experience is one who did any civilian work for pay or profit or worked without pay on a family-operated farm or business on a part-time or full-time basis during the calendar year preceding the survey.

Year-round, full-time worker. A year-round, full-time worker is one who worked primarily at full-time civilian jobs for 50 weeks or more during the calendar year preceding the survey.

Productivity rate. The productivity rate is an adjustment for the growth in productivity in the economy. The adjustment for productivity is made to allow for improvements in

technology, the quality and skills of the labor force, and increased output per worker which result in real earnings growth. Four different productivity rates were used: 0.0 percent, 1.0 percent, 2.0 percent, and 3.0 percent.

Discount rate. The discount rate is required to allow for the fact that a dollar we expect to receive 20 years from now is not worth a dollar today. Its value today depends on the rate at which the future is discounted. Three different rates of discount were used: 0.0 percent, 3.0 percent, and 5.0 percent. These rates represent the difference between interest rates on savings and other investments and the rate of inflation.

Yearly employment rate. The employment rate is the percentage of all persons at a specific age who worked at any time during the calendar year. For purposes of this report, projections of labor force participation rates prepared by the Bureau of Labor Statistics, Department of Labor, were adjusted to reflect differences in employment rates among workers with different educational attainment and differences between March CPS yearly employment rates and average annual labor force participation rates.

Appendix B. Detailed Supplementary Tables

Table B-1. Mean Earnings in 1979, for All Workers and Year-Round, Full-Time Workers 18 to 64 Years Old, by Years of School Completed, Age, and Sex

(IN 1981 DOLLARS. FOR MEANING OF SYMBOLS, SEE TEXT)

PRESENT AGE	MALE					FEMALE				
	LESS THAN 12 YEARS	HIGH SCHOOL 4 YEARS	COLLEGE 1 TO 3 YEARS	COLLEGE 4 YEARS	COLLEGE 5 YEARS OR MORE	LESS THAN 12 YEARS	HIGH SCHOOL 4 YEARS	COLLEGE 1 TO 3 YEARS	COLLEGE 4 YEARS	COLLEGE 5 YEARS OR MORE
ALL WORKERS										
18 YEARS	2 948	4 344	5 983	(B)	(B)	2 121	3 121	4 824	3 475	(B)
19 YEARS	5 404	6 821	4 283	(B)	(B)	2 808	4 735	2 996	16 319	(B)
20 YEARS	7 145	9 484	4 893	7 007	11 355	4 659	6 615	3 788	5 734	(B)
21 YEARS	7 582	11 977	6 797	5 826	12 252	4 203	7 275	5 123	5 844	16 289
22 YEARS	9 054	13 955	9 312	6 709	7 297	4 806	8 035	7 051	6 087	4 755
23 YEARS	10 280	13 970	12 217	10 258	8 726	5 105	7 933	8 349	9 846	6 889
24 YEARS	11 699	15 091	14 797	14 719	10 736	6 172	8 456	9 770	11 491	11 241
25 YEARS	13 384	17 103	16 006	17 706	15 615	5 051	9 090	10 401	11 832	12 725
26 YEARS	13 629	17 361	17 671	19 057	16 080	5 719	9 902	10 118	12 958	13 643
27 YEARS	13 452	18 158	18 312	19 641	17 834	7 127	9 587	11 358	12 624	14 036
28 YEARS	16 128	19 291	19 196	21 831	20 679	6 361	9 275	11 638	13 623	16 097
29 YEARS	14 562	19 255	20 813	23 837	24 655	7 591	9 435	12 420	12 864	14 268
30 YEARS	15 706	19 460	20 861	23 223	26 238	5 791	10 739	11 391	15 631	16 278
31 YEARS	15 889	20 247	22 712	26 395	26 229	7 790	9 795	12 489	13 804	17 249
32 YEARS	15 344	23 274	22 752	26 484	30 292	6 598	9 921	12 977	13 173	17 370
33 YEARS	17 692	22 738	24 250	30 285	31 496	8 326	11 164	12 807	13 319	18 464
34 YEARS	14 368	23 026	24 901	28 402	33 174	10 019	12 240	12 852	13 466	19 901
35 YEARS	18 178	24 818	28 153	31 560	35 600	9 206	11 386	11 457	13 249	20 427
36 YEARS	19 904	25 465	27 953	34 179	36 289	7 448	11 881	11 769	12 807	22 360
37 YEARS	17 552	25 219	28 833	34 411	38 075	7 319	10 699	12 213	13 631	18 665
38 YEARS	18 019	25 635	28 816	39 715	40 507	7 371	10 270	14 245	19 892	18 752
39 YEARS	16 440	25 328	31 767	38 727	38 374	9 877	11 397	11 153	15 357	21 232
40 YEARS	19 711	25 135	29 958	32 939	38 685	8 662	9 958	15 116	11 858	23 417
41 YEARS	18 325	23 926	25 855	34 438	42 739	8 756	11 479	13 814	17 546	19 235
42 YEARS	19 089	23 690	25 551	34 173	39 765	8 182	12 277	14 085	18 831	24 338
43 YEARS	24 477	25 723	31 565	34 200	42 454	10 355	10 167	18 235	14 543	18 121
44 YEARS	18 911	25 050	26 586	40 411	38 828	10 771	10 287	11 952	12 546	20 444
45 YEARS	20 322	25 293	35 362	36 963	41 776	7 480	11 738	14 502	17 291	26 684
46 YEARS	19 996	25 932	26 467	36 243	41 336	7 160	13 675	10 743	19 687	19 847
47 YEARS	20 971	27 019	27 294	36 429	43 900	9 389	10 694	13 507	15 000	20 431
48 YEARS	20 877	27 435	30 691	42 989	43 749	9 669	11 946	13 006	12 613	17 911
49 YEARS	20 425	28 241	35 179	39 404	43 979	7 960	13 046	13 388	17 008	22 231
50 YEARS	18 535	25 708	27 996	39 859	41 182	9 245	14 158	14 498	13 129	19 290
51 YEARS	19 939	28 438	31 127	42 870	41 662	10 559	13 488	16 043	14 700	19 935
52 YEARS	22 218	26 903	31 151	42 063	42 629	9 703	11 694	12 570	13 368	20 912
53 YEARS	19 881	27 571	31 188	41 730	44 834	8 948	11 429	15 497	15 863	18 856
54 YEARS	25 031	25 393	31 231	41 108	42 446	7 643	11 550	14 507	19 741	23 547
55 YEARS	19 923	24 401	30 618	38 254	45 575	8 776	11 133	17 108	22 514	20 276
56 YEARS	20 110	26 152	32 904	38 435	40 533	8 778	12 413	14 808	18 602	20 323
57 YEARS	19 865	24 588	32 620	37 790	40 440	8 578	12 261	14 406	21 493	24 351
58 YEARS	18 825	23 749	34 599	41 492	43 138	9 732	12 021	12 832	16 077	19 384
59 YEARS	20 017	25 855	27 684	36 832	38 962	10 073	11 070	15 421	16 534	18 157
60 YEARS	18 470	24 369	27 043	37 468	43 524	7 400	11 490	16 925	14 508	25 097
61 YEARS	18 107	22 484	26 874	38 978	50 311	7 043	13 779	14 397	20 828	15 977
62 YEARS	17 640	22 654	26 869	36 686	48 496	10 223	12 294	11 724	19 763	24 272
63 YEARS	18 116	20 451	26 745	35 012	43 488	7 212	15 017	11 224	14 670	17 338
64 YEARS	18 297	22 520	25 151	36 632	31 896	7 346	12 129	14 725	12 026	15 332
YEAR-ROUND FULL-TIME WORKERS										
18 YEARS	8 045	8 849	6 777	(B)	(B)	6 653	7 132	25 574	(B)	(B)
19 YEARS	9 513	11 693	10 566	(B)	(B)	6 801	8 948	8 240	16 539	(B)
20 YEARS	11 522	13 409	12 149	22 554	21 110	8 086	9 840	9 144	8 144	(B)
21 YEARS	11 212	15 260	13 200	11 375	(B)	9 063	10 362	10 501	12 370	16 289
22 YEARS	12 373	17 385	16 780	13 846	18 123	9 329	10 833	11 392	11 695	15 066
23 YEARS	13 055	16 947	17 147	15 348	20 211	9 904	11 098	11 725	13 956	13 220
24 YEARS	13 876	17 755	18 727	18 539	19 306	15 600	11 595	12 648	14 626	14 285
25 YEARS	16 512	19 723	19 638	20 683	22 497	9 421	12 431	13 535	14 759	16 879
26 YEARS	16 107	19 723	20 755	22 046	21 718	9 790	13 104	13 836	15 873	17 180
27 YEARS	16 204	20 610	21 261	21 680	22 158	10 633	12 837	14 671	16 105	18 021
28 YEARS	19 705	21 494	21 699	23 505	23 418	9 603	12 763	14 981	16 759	18 537
29 YEARS	16 627	21 782	22 276	24 824	28 264	11 288	13 366	17 756	16 873	18 791
30 YEARS	18 261	21 508	23 631	25 684	27 046	10 674	14 531	15 489	17 840	20 600
31 YEARS	16 717	22 306	23 644	27 942	28 607	10 956	14 466	15 546	17 967	21 056
32 YEARS	18 891	24 106	24 156	28 553	32 009	10 733	12 719	15 501	17 433	21 550
33 YEARS	18 692	23 749	25 240	30 096	33 353	9 727	14 221	15 397	19 844	21 817
34 YEARS	17 181	24 695	26 719	30 013	34 352	12 441	14 748	15 944	18 212	21 390
35 YEARS	20 876	27 108	27 779	32 272	37 167	11 954	14 906	16 819	18 221	25 797
36 YEARS	22 511	26 858	30 091	34 618	37 421	9 902	13 785	15 583	18 529	30 981
37 YEARS	20 499	26 705	31 013	36 451	40 113	10 845	15 175	17 553	17 917	23 154
38 YEARS	19 941	27 875	29 721	38 165	42 803	11 147	14 788	18 428	20 924	23 762
39 YEARS	18 038	27 497	33 746	38 988	41 052	13 460	13 768	16 839	17 272	23 286
40 YEARS	23 160	26 729	30 796	34 500	39 586	13 044	13 289	14 958	17 204	22 326
41 YEARS	20 882	25 819	27 532	34 809	42 805	10 117	13 951	15 290	17 385	22 878
42 YEARS	22 312	24 614	27 126	34 895	41 147	10 144	14 815	15 959	16 122	31 589
43 YEARS	29 416	27 226	33 030	35 882	43 197	15 037	13 734	23 856	17 606	22 842
44 YEARS	21 531	26 763	28 524	41 940	40 826	11 714	13 626	16 878	18 840	22 677
45 YEARS	23 153	27 415	37 558	37 641	45 380	10 977	15 330	16 709	24 348	32 018
46 YEARS	22 554	27 304	28 527	37 833	42 714	10 139	17 794	15 035	29 569	22 450
47 YEARS	22 917	27 705	28 861	38 181	45 188	12 026	15 308	20 658	21 781	23 390
48 YEARS	22 325	28 373	31 969	43 132	44 867	12 450	14 384	14 813	17 021	20 980
49 YEARS	22 749	29 307	36 615	41 984	46 171	10 516	17 304	17 058	20 763	27 734
50 YEARS	21 060	26 880	29 267	42 448	43 890	10 207	17 797	15 875	17 749	22 931
51 YEARS	22 491	30 166	33 337	43 999	43 812	12 174	16 493	14 807	20 476	24 019
52 YEARS	23 750	28 003	33 732	43 009	43 382	10 065	14 929	17 640	18 915	26 319
53 YEARS	20 998	26 179	28 937	43 107	44 603	10 678	14 404	14 498	19 335	22 174
54 YEARS	26 728	27 061	31 641	43 358	41 441	10 967	14 216	15 938	30 431	23 415
55 YEARS	21 779	25 790	32 123	41 389	48 007	12 775	14 106	17 859	25 906	22 956
56 YEARS	21 818	27 358	30 060	40 747	42 143	11 512	16 116	16 164	17 556	25 581
57 YEARS	22 387	26 597	33 698	40 509	42 786	10 999	15 174	17 032	29 791	34 174
58 YEARS	21 417	26 160	38 882	42 836	45 789	13 535	16 504	15 880	23 432	23 770
59 YEARS	22 403	27 755	29 653	37 537	41 335	10 724	15 478	19 103	25 094	21 465
60 YEARS	20 095	26 819	26 855	41 258	48 284	10 706	14 407	16 826	19 508	19 583
61 YEARS	21 467	25 257	29 551	42 519	49 024	10 554	16 164	17 943	33 216	20 736
62 YEARS	17 979	26 452	32 531	41 877	50 206	15 312	13 398	12 948	18 155	32 166
63 YEARS	23 411	26 261	31 550	41 409	43 251	13 552	19 697	18 079	20 924	23 276
64 YEARS	23 968	26 779	31 000	43 813	38 575	12 447	14 382	15 400	20 172	22 632

Table B-2. Projected Yearly Employment Rates, for Selected Years From 1979 to 2025, for All Men of Specified Age in 1979, by Years of School Completed and Selected Age Groups

(FOR MEANING OF SYMBOLS, SEE TEXT)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	1979	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
LESS THAN 12 YEARS OF SCHOOLING											
18 YEARS	73.9	78.6	93.4	87.0	95.5	89.1	87.4	88.2	82.1	67.6	41.8
20 YEARS	82.5	84.4	88.3	84.6	88.2	89.6	89.2	83.1	72.0	62.8	(X)
25 YEARS	88.6	88.5	84.9	88.5	89.7	89.2	83.1	72.0	62.8	(X)	(X)
30 YEARS	85.9	85.5	88.8	89.6	89.3	83.1	72.0	62.8	(X)	(X)	(X)
35 YEARS	90.0	89.2	89.5	89.5	83.2	72.0	62.8	(X)	(X)	(X)	(X)
40 YEARS	91.7	89.5	89.9	83.3	72.4	62.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	89.4	90.3	83.6	73.2	63.9	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	86.4	83.7	74.2	66.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	87.8	75.6	68.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	70.6	71.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	51.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
HIGH SCHOOL: 4 YEARS											
18 YEARS	86.0	90.5	95.1	96.4	95.6	97.5	96.4	91.9	87.4	77.6	50.9
20 YEARS	94.2	92.8	96.9	97.7	95.7	96.9	94.6	90.9	84.1	62.3	(X)
25 YEARS	95.3	97.1	98.0	96.0	97.0	94.6	90.9	84.1	62.3	(X)	(X)
30 YEARS	94.7	98.0	96.3	96.9	94.7	90.9	84.1	62.3	(X)	(X)	(X)
35 YEARS	96.8	96.8	96.8	94.9	91.0	84.1	62.3	(X)	(X)	(X)	(X)
40 YEARS	98.0	96.8	95.[illegible]	91.1	84.6	62.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	98.0	95.7	91.4	85.6	63.4	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	96.3	91.5	86.8	65.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	88.3	67.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	82.5	70.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	62.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 1 TO 3 YEARS											
18 YEARS	90.8	84.5	93.3	96.9	96.8	93.3	96.4	94.0	88.6	84.8	57.1
20 YEARS	84.8	88.4	94.4	97.5	98.0	97.1	93.1	94.1	88.2	73.8	(X)
25 YEARS	95.4	94.7	97.8	98.0	97.2	93.1	94.1	88.2	73.8	(X)	(X)
30 YEARS	95.8	98.0	98.0	97.1	93.2	94.1	88.2	73.8	(X)	(X)	(X)
35 YEARS	97.7	98.0	97.0	93.4	94.2	88.2	73.8	(X)	(X)	(X)	(X)
40 YEARS	98.0	97.0	93.8	94.4	88.8	73.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	96.7	94.2	94.7	89.8	75.0	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	97.3	94.8	91.0	77.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	92.7	80.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	83.9	83.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	70.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 4 YEARS											
18 YEARS	39.3	42.9	95.3	96.6	97.0	98.0	98.0	98.0	92.8	86.4	54.1
20 YEARS	98.0	94.6	98.0	96.3	96.9	98.0	97.5	96.7	84.7	83.8	(X)
25 YEARS	96.6	98.0	96.6	97.2	98.0	97.5	96.7	84.7	83.8	(X)	(X)
30 YEARS	98.0	97.3	97.6	98.0	97.6	96.7	84.7	83.8	(X)	(X)	(X)
35 YEARS	96.4	98.0	98.0	97.8	96.8	84.7	83.8	(X)	(X)	(X)	(X)
40 YEARS	98.0	98.0	98.0	96.9	85.3	83.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	97.5	98.0	97.3	86.2	85.3	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	97.2	97.4	87.4	88.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	89.0	91.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	78.0	94.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	66.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 5 YEARS OR MORE											
18 YEARS	39.3	42.9	83.6	97.1	95.4	96.7	98.0	98.0	97.0	69.4	66.3
20 YEARS	98.0	98.0	89.8	98.0	98.0	98.0	92.4	97.8	94.6	81.3	(X)
25 YEARS	92.5	90.0	98.0	98.0	98.0	92.4	97.8	94.6	81.3	(X)	(X)
30 YEARS	98.0	98.0	98.0	98.0	92.5	97.8	94.6	81.3	(X)	(X)	(X)
35 YEARS	98.0	98.0	98.0	92.7	97.9	94.6	81.3	(X)	(X)	(X)	(X)
40 YEARS	97.4	98.0	93.1	98.0	95.2	81.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	97.3	93.5	98.0	96.3	82.7	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	97.1	98.0	97.6	85.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	98.0	98.0	88.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	91.2	92.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	81.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

Table B-3. Projected Yearly Employment Rates, for Selected Years From 1979 to 2025, for All Women of Specified Age in 1979, by Years of School Completed and Selected Age Groups

(FOR MEANING OF SYMBOLS, SEE TEXT)

YEARS OF SCHOOL COMPLETED AND PRESENT AGE	1979	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
LESS THAN 12 YEARS OF SCHOOLING											
18 YEARS	60.9	52.0	62.6	70.8	72.9	90.6	73.8	61.1	50.8	39.4	24.7
20 YEARS	56.2	53.3	62.7	72.1	69.2	72.4	65.4	57.5	43.6	37.7	(X)
25 YEARS	51.8	54.3	67.4	66.5	70.2	65.4	57.5	43.6	37.7	(X)	(X)
30 YEARS	53.9	59.3	61.4	67.7	64.0	57.5	43.6	37.7	(X)	(X)	(X)
35 YEARS	51.0	54.3	63.0	61.9	56.7	43.6	37.7	(X)	(X)	(X)	(X)
40 YEARS	59.9	57.4	58.8	55.3	43.4	37.7	(X)	(X)	(X)	(X)	(X)
45 YEARS	64.7	56.0	53.6	42.9	37.7	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	57.5	52.6	42.4	37.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	43.8	41.8	37.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	35.4	37.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	25.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
HIGH SCHOOL: 4 YEARS											
18 YEARS	80.4	82.7	87.4	87.1	89.6	98.0	87.5	80.1	69.6	59.7	31.9
20 YEARS	83.1	83.1	90.6	88.0	91.7	95.6	85.4	73.6	62.3	51.8	(X)
25 YEARS	75.5	78.4	82.3	88.1	92.6	85.4	73.6	62.3	51.8	(X)	(X)
30 YEARS	73.2	72.3	81.4	89.4	83.5	73.6	62.3	51.8	(X)	(X)	(X)
35 YEARS	63.6	71.9	83.2	80.7	72.6	62.3	51.8	(X)	(X)	(X)	(X)
40 YEARS	75.1	75.7	76.7	70.9	61.9	51.8	(X)	(X)	(X)	(X)	(X)
45 YEARS	73.9	73.1	68.7	61.3	51.8	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	67.8	67.3	60.6	51.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	62.9	59.7	51.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	48.9	51.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	32.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 1 TO 3 YEARS											
18 YEARS	86.1	82.7	93.1	98.0	97.7	98.0	97.0	80.4	87.7	67.8	46.3
20 YEARS	84.4	85.1	95.1	94.2	90.3	98.0	98.0	81.8	64.4	49.3	(X)
25 YEARS	83.6	82.3	88.1	86.7	98.0	98.0	81.8	64.4	49.3	(X)	(X)
30 YEARS	75.5	77.4	80.1	98.0	97.6	81.8	64.4	49.3	(X)	(X)	(X)
35 YEARS	74.9	70.8	95.3	94.4	80.7	64.4	49.3	(X)	(X)	(X)	(X)
40 YEARS	76.3	86.8	89.6	78.8	64.0	49.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	78.6	85.4	76.4	63.4	49.3	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	66.6	74.8	62.7	49.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	69.6	61.7	49.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	49.7	48.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	47.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 4 YEARS											
18 YEARS	35.7	38.3	98.0	98.0	91.4	98.0	95.1	81.3	74.3	47.0	46.3
20 YEARS	39.4	88.1	98.0	92.9	86.5	87.7	98.0	77.4	61.5	52.3	(X)
25 YEARS	96.9	92.1	86.9	83.0	84.9	98.0	77.4	61.5	52.3	(X)	(X)
30 YEARS	79.3	76.4	76.7	82.0	96.2	77.4	61.5	52.3	(X)	(X)	(X)
35 YEARS	81.0	67.8	76.3	93.0	76.3	61.5	52.3	(X)	(X)	(X)	(X)
40 YEARS	78.5	69.5	88.3	74.5	61.2	52.3	(X)	(X)	(X)	(X)	(X)
45 YEARS	82.1	84.1	72.2	60.6	52.3	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	65.4	70.8	59.9	52.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	65.3	58.9	52.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	60.0	51.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	47.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
COLLEGE: 5 YEARS OR MORE											
18 YEARS	35.7	38.3	95.0	98.0	98.0	98.0	98.0	98.0	98.0	78.1	32.7
20 YEARS	39.4	39.4	98.0	98.0	98.0	98.0	98.0	98.0	77.0	69.6	(X)
25 YEARS	97.8	95.7	98.0	98.0	98.0	98.0	98.0	77.0	69.6	(X)	(X)
30 YEARS	88.5	96.8	98.0	98.0	98.0	98.0	77.0	69.6	(X)	(X)	(X)
35 YEARS	93.8	87.0	98.0	98.0	98.0	77.0	69.6	(X)	(X)	(X)	(X)
40 YEARS	89.2	94.6	94.0	98.0	76.6	69.6	(X)	(X)	(X)	(X)	(X)
45 YEARS	97.4	89.6	96.9	75.8	69.6	(X)	(X)	(X)	(X)	(X)	(X)
50 YEARS	79.3	94.9	75.0	69.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)
55 YEARS	86.2	73.8	69.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
60 YEARS	63.5	68.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
64 YEARS	33.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

Appendix C. Source and Reliability of Estimates

SOURCE OF DATA

The estimates of lifetime earnings in this report are based on data obtained from the March 1979, March 1980, and March 1981 Current Population Surveys (CPS) conducted by the Bureau of the Census. The monthly CPS deals mainly with labor force data for the civilian noninstitutional population. Questions relating to labor force participation are asked about each member 14 years old and over in every sample household. In addition, supplementary questions are asked every March about money income and work experience for the previous year. The data obtained from these additional income and work experience questions were used in the lifetime earnings estimation procedure.

The CPS samples for March 1979 through March 1981 were initially selected from the 1970 census files with coverage in all 50 States and the District of Columbia. The sample is continually updated to reflect new construction. The following table provides a short description of the March 1979, 1980, and 1981 CPS. The sample areas are comprised of over 1,100 counties, independent cities and minor civil divisions in the Nation. Housing units which were eligible but not interviewed are those occupied units which were visited but interviews were not obtained because the occupants were not found at home after repeated calls or were unavailable for some other reason. The units which were not eligible are those which were visited but found to be vacant or otherwise not to be interviewed. For a description of the previous CPS sample designs, see the detailed reports in this series, Current Population Reports, Series P-60.

Procedures for estimating the annual earnings figures used as the basis for the lifetime earnings estimates involved the inflation of the weighted sample results to independent estimates of the total civilian noninstitutional population of the United States by age, race, and sex. These independent estimates are based on statistics from the 1980 decennial census of population; statistics on births, deaths, immigration and emigration; and statistics on the strength of the Armed Forces. The estimation procedure also involved a further adjustment so that husband and wife of a household received the same weight.

RELIABILITY OF ESTIMATES

Since the CPS estimates are based on a sample, they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same questionnaires, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. The standard

Description of the March Current Population Survey

Time period	Number of sample areas	Housing units eligible		Housing units not eligible
		Interviewed	Not interviewed	
March 1981.....	629	65,500	3,000	12,800
March 1980.....	629	65,000	3,000	12,500
March 1979.....	614	53,500	2,500	9,500

errors provided for this report primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration, but do not measure any systematic biases in the data. The full extent of nonsampling error is unknown. Consequently, particular care should be exercised in the interpretation of figures based on a relatively small number of cases or on small differences between estimates.

Nonsampling variability. Nonsampling errors can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness on the part of the respondents to provide correct information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all units with the sample (undercoverage).

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage, as compared to the level of the 1980 decennial census, is about 7 percent. It is known that CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for Black and other races combined than for Whites. Ratio estimation to independent age-sex-race population controls partially corrects for the bias due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the decennial census.

A coverage improvement sample was included in computing the estimates in order to provide coverage of mobile homes and new construction housing units which had no chance for selection in the CPS design. This sample is composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units. These new construction units are composed of those units where building permits were issued prior to January 1970 but construction was not completed by the time of the 1970 census (i.e., April 1970). The extent of other sources of housing undercoverage is unknown but believed to be small. The inclusion of this coverage improvement sample in the CPS does not have a significant effect on the estimates.

In most cases the questionnaire entries for income are based on the memory or knowledge of one person, usually the wife. The memory factor in data derived from field surveys of income probably produces underestimates because the tendency is to forget minor or irregular sources of income. Other errors of reporting are due to misrepresentation or to misunderstanding as to the scope of the income concept.

Sampling variability. The standard errors that may be obtained using this appendix are primarily measures of sampling variability; that is, of the variation that occurred by chance because a sample rather than the entire population was surveyed. The sample estimate and its estimated standard error enable one to construct confidence intervals--ranges that would include the average result of all possible samples with a known probability. For example, if all possible samples were selected, each of these being surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.

2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.

3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples. The average estimate derived from all possible samples is or is not contained in any particular computed interval. However, for a particular sample, one can say with a specified confidence that the average estimate derived from all possible samples is included in the confidence interval.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common types of hypotheses are 1) the population parameters are identical, versus 2) they are different. An example of this would be comparing the mean annual income of men versus the mean annual income of women. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the parameters are different when, in fact, they are identical.

All statements of comparison in the text have passed a hypothesis test at the 0.10 level of significance or better, and most have passed a hypothesis test at the 0.05 level of significance or better. This means that, for most differences cited in the text, the estimated difference between parameters is greater than twice the standard error of the difference. For the other differences mentioned, the estimated difference between parameters is between 1.6 and 2.0 times the standard error of the difference. When this is the case, the statement of comparison will be qualified in some way; e.g., by use of the phrase "some evidence."

STANDARD ERRORS FOR ESTIMATES OF LIFETIME EARNINGS

Estimating the standard error of the estimate of lifetime earnings. Table C-1 shows standard errors in dollars for mean annual earnings by single years of age within designated age groups, sex, education completed, and work experience. Table C-2 contains factors by discount rates and productivity increases which are applied to the standard error of estimated lifetime earnings. The standard errors on estimated lifetime earnings can be calculated using the data in tables C-1 and C-2. This methodology is described below and an example is calculated in table C-3.

Illustration of the calculation of a standard error. Table 1 shows that the expected lifetime earnings for a 20 year old man with a high school education is $367,000, assuming a discount rate of 5 percent and an annual productivity increase of 1 percent. Using formula (1),

$$SE(PV_A) = \left[\sum_{N=A}^{64} k_N^2 \sigma_N^2 + 0.4 \sum_{N=A}^{63} K_N \sigma_N k_{N+1} \sigma_{N+1} \right]^{1/2} \quad (1)$$

where:

PV_A = The total estimated sum of earnings received between a given age A and age 64.

σ_N = The standard error in dollars on the mean annual earnings at age N from table C-1.

k_N = The factor from table C-2 needed to adjust for the discount rate and productivity increase.

the standard error is calculated as shown in table C-3.

Estimating the standard error of a difference. For a difference between two sample estimates the standard error is approximately equal to

$$\sigma_{(x,y)} = \sqrt{\sigma_x^2 + \sigma_y^2}$$

where σ_x and σ_y are the standard errors of the estimates x and y.

Illustration of the computation of the standard error of a difference. Table 1 of this report shows the estimated lifetime earnings for an 18 year old male with a high school education as $861,000 and an 18 year old male with 4 years of college as $1,190,000. The estimates of the standard errors of these estimates are $3,173 and $10,688, respectively. Therefore, the standard error of the estimated difference of $329,000 is

$$\sqrt{(3,173)^2 + (10,688)^2} = 11,000$$

This means that the 68-percent confidence interval on the difference of $329,000 as shown by these data is from $318,000 to $340,000. The 95-percent confidence interval on the difference of $329,000 is from $307,000 to $351,000. Therefore, a conclusion that the average estimate derived from all possible samples is within a range computed in this way would be correct for roughly 95 percent of all possible samples. Since this interval does not contain zero, we can conclude with 95 percent confidence that estimated lifetime earnings for 18 year old males with a high school education was lower than that of 18 year old males with 4 years of college.

Table C-1. Standard Errors for Mean Annual Earnings for All Persons and Year-Round, Full-Time Workers, by Single Years of Age Within Designated Age Groups, Years of School Completed, and Sex

Years of school completed and sex	Age (years)				
	18 to 24	25 to 34	35 to 44	45 to 54	55 to 64
MALE					
All Persons					
Less than 12 years.....	$215	$489	$565	$553	$557
High school: 4 years.....	190	286	412	448	496
College: 1 to 3 years.....	242	392	744	988	1,206
4 years.....	670	587	1,314	1,494	1,900
5 years or more...	1,210	955	1,517	1,849	2,343
Year-Round, Full-Time Workers					
Less than 12 years.....	$421	$590	$638	$611	$559
High school: 4 years.....	239	319	452	478	553
College: 1 to 3 years.....	401	424	802	1,062	1,310
4 years.....	1,022	637	1,381	1,505	2,016
5 years or more...	1,772	1,092	1,631	1,966	2,490
FEMALE					
All Persons					
Less than 12 years.....	$134	$222	$216	$200	$205
High school: 4 years.....	106	155	183	193	194
College: 1 to 3 years.....	199	283	391	442	465
4 years.....	477	351	553	633	705
5 years or more...	853	628	994	1,149	1,354
Year-Round, Full-Time Workers					
Less than 12 years.....	$531	$337	$308	$263	$317
High school: 4 years.....	146	186	232	236	223
College: 1 to 3 years.....	428	372	514	536	560
4 years.....	907	393	694	768	749
5 years or more...	1,291	735	1,181	1,254	1,722

Table C-2. Factors Applied to Standard Errors for Estimated Lifetime Earnings to Adjust for Discount and Productivity Rate Assumptions

Age	Discount rate of 0.0 percent with annual productivity increase of-				Discount rate of 3.0 percent with annual productivity increase of-				Discount rate of 5.0 percent with annual productivity increase of-			
	0.0	1.0	2.0	3.0	0.0	1.0	2.0	3.0	0.0	1.0	2.0	3.0
18 to 24 years...	1.0	1.54	2.37	3.62	0.26	0.40	0.62	0.95	0.11	0.16	0.25	0.38
25 to 34 years...	1.0	1.42	2.00	2.82	0.34	0.48	0.68	0.95	0.16	0.23	0.33	0.46
35 to 44 years...	1.0	1.28	1.64	2.10	0.46	0.59	0.76	0.96	0.27	0.35	0.45	0.57
45 to 54 years...	1.0	1.16	1.35	1.56	0.63	0.73	0.84	0.97	0.46	0.53	0.61	0.70
55 to 64 years...	1.0	1.05	1.11	1.16	0.85	0.89	0.93	0.98	0.76	0.80	0.84	0.87

Table C-3. Illustration of the Calculation of a Standard Error for Estimated Lifetime Earnings

Age group	Ages of interest	Number of ages of interest in age group	k_N	σ_N	$k_N^2 \sigma_N^2$	$0.4 \Sigma k_N \sigma_N k_{N+1} \sigma_{N+1}$
18 to 24 years	20 to 24 years	5	0.16	$190	$5[(.16)^2 ($190)^2] = $4,621	$0.4[4(.16)^2 ($190)^2 + (.16)($190)(.23)($286)] = $2,279
25 to 34 years	25 to 34 years	10	0.23	$286	$10[(.23)^2 ($286)^2] = $43,270	$0.4[9(.23)^2 ($286)^2 + (.23)($286)(.35)($412)] = $19,371
35 to 44 years	35 to 44 years	10	0.35	$412	$10[(.35)^2 ($412)^2] = $207,936	$0.4[9(.35)^2 ($412)^2 + (.35)($412)(.53)($448)] = $88,553
45 to 54 years	45 to 54 years	10	0.53	$448	$10[(.53)^2 ($448)^2] = $563,778	$0.4[9(.53)^2 ($448)^2 + (.53)($448)(.80)($496)] = $240,646
55 to 64 years	55 to 64 years	10	0.80	$496	$10[(.80)^2 ($496)^2] = $1,574,502	$0.4[9(.80)^2 ($496)^2] = $566,821

Thus,

$$SE(PV_{20}) = (\$4,621 + \$2,279 + \$43,270 + \$19,371 + \$207,936 + \$88,553 + \$563,778 + \$240,646 + \$1,574,502 + \$566,821)^{1/2} = \$1,820.$$

NOTE: This table is an illustration of the calculation of a standard error for estimated lifetime earnings for a 20-year-old male with a high school education, assuming a discount rate of 5 percent and an annual productivity increase of 1 percent.

Source: Tables C-1 and C-2.

Selected References

Corcoran, Mary and Greg J. Duncan, "Work History, Labor Force Attachment, and Earnings Differences Between the Races and Sexes," Journal of Human Resources, Vol. XIV, No. 1, Winter 1979, pp. 3-20.

Kitagawa, Evelyn M. and Philip M. Hauser, "Differential Mortality in the United States," American Public Health Association, Harvard University Press, 1973.

Mallan, Lucy B., "Labor Force Participation, Work Experience, and the Pay Gap Between Men and Women," Journal of Human Resources, Vol. XVII, No. 3, Summer 1982, pp. 437-448.

Miller, Herman P. and Richard A. Hornseth. "Present Value of Estimated Lifetime Earnings," Technical Paper No. 16, U. S. Department of Commerce, Bureau of the Census, 1967.

Mincer, Jacob and Haim Ofek. "Interrupted Work Careers: Depreciation and Restoration of Human Capital," Journal of Human Resources, Vol. XVII, No. 1, Winter 1982, pp. 3-24.

Mincer, Jacob and Solomon W. Polachek. "Earnings of Women," Journal of Political Economy, Vol. 82, No. 2, Part I, March/April 1974, spp. 76-108.

O'Neill, June and Rachel Braun. "Women and the Labor Market: A Survey of Issues and Policies in the United States," Working Paper, Urban Institute, November 1981.

Sandell, Steven H. and David Shapiro. "Work Expectations, Human Capital Accumulation, and the Wages of Young Women," Journal of Human Resources, Vol. XV, No. 3, Summer, 1980, pp. 335-353.

Smith, Shirley J. "New Worklife Estimates Reflect Changing Profile of Labor Force," Special Labor Force Report, New Worklife Estimates, Bulletin 2157, U.S. Department of Labor, Bureau of Labor Statistics, November 1982.

Stevens, Joyce A. and Roger A. Herriot. "Current Earnings Differentials of Men and Women: Some Exploratory Regression Analyses," American Statistical Association Proceedings of the Social Statistics Section, 1975, pp. 673-678.

U.S. Bureau of the Census. "Annual Mean Income, Lifetime Income, and Educational Attainment of Men in the United States, for Selected Years 1956 to 1972," Current Population Reports, Series P-60, No. 92, Washington, D.C., U.S. Government Printing Office, 1974.

Vital Statistics of the United States, Vol. II, Section 5, Life Tables, 1978.

* U.S. GOVERNMENT PRINTING OFFICE: 1983-380-998:524

UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

This is in response to your request concerning the estimates of mean earnings that appear in Table B-1, page 28, of our report, "Lifetime Earnings Estimates for Men and Women in the United States: 1979," Current Population Reports, Series P-60, No. 139. We have reviewed the processing of the data that is used in this report and have discovered an error in the tabulation procedure.

We are enclosing tabulations with corrected data for Tables 1 through 4 and Table B-1 of the report. The error in the tabulation procedure caused an overestimate of the mean earnings that appear in Table B-1 of the report. The enclosed tabulation shows the correct, lower estimates. Because the mean earnings are used in the computation of the estimates of lifetime earnings, Tables 1 through 4 were also rerun using the corrected data. A note indicating that the estimates are in error will be included in the next issue of the Census Bureau's Data User News.

SOURCE:
Bureau of the Census
U.S. Department of Commerce
Washington, D.C. 20233

UNPUBLISHED DATA

B00001-0.0 PERCENT-0.0 PE
DDB : PPINC*DDB(0) MDB : PPINC*MDB(0) MATRIX:00001 DATE 062086 PAGE 1

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 0.0 PERCENT
[C] : 0.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
			COLLEGE					COLLEGE		
	LESS THAN 12 YEARS	H. S. 4 YEARS	1-3 YEARS	4 YEARS	5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	1-3 YEARS	4 YEARS	5+ YEARS
18 . .	516	770	854	1114	1250	176	320	386	443	627
19 . .	515	768	851	1116	1252	174	316	381	442	627
20 . .	512	764	849	1118	1255	171	310	377	435	627
21 . .	507	757	846	1113	1246	168	303	372	432	627
22 . .	502	748	843	1110	1237	165	295	366	426	621
23 . .	495	738	837	1107	1232	162	287	358	419	616
24 . .	487	727	828	1099	1228	158	279	349	408	610
25 . .	478	715	817	1088	1221	155	271	338	395	603
26 . .	468	701	805	1073	1211	151	263	327	381	590
27 . .	458	687	792	1058	1199	147	254	317	367	576
28 . .	447	672	777	1042	1186	142	246	306	353	562
29 . .	437	657	761	1024	1169	138	238	296	340	548
30 . .	426	640	744	1004	1148	133	230	286	327	533
31 . .	415	624	727	984	1126	129	222	276	314	518
32 . .	404	607	708	963	1103	124	214	266	302	501
33 . .	393	589	689	939	1077	119	206	256	290	486
34 . .	381	569	669	914	1050	115	198	246	278	469
35 . .	368	550	648	890	1020	110	190	236	268	453
36 . .	354	531	625	865	989	105	183	226	256	436
37 . .	341	511	603	835	956	101	176	217	247	420
38 . .	328	490	578	805	922	96	169	207	237	405
39 . .	314	470	555	776	886	91	161	198	225	387
40 . .	301	449	532	745	853	86	153	189	215	372
41 . .	287	429	508	715	818	81	145	179	204	356
42 . .	275	410	487	686	782	77	137	169	194	339
43 . .	261	390	466	657	747	72	129	160	184	321
44 . .	247	370	443	627	712	69	122	151	173	303
45 . .	235	349	422	594	678	64	115	142	163	289
46 . .	222	329	400	563	644	59	107	133	153	267
47 . .	208	309	377	531	611	55	100	124	141	249
48 . .	194	290	354	502	573	50	94	116	130	233
49 . .	180	270	333	471	536	47	87	109	122	216
50 . .	166	251	310	438	501	43	80	100	114	200
51 . .	153	232	286	408	467	39	74	92	105	185
52 . .	141	213	264	374	431	35	67	85	96	167
53 . .	127	194	244	341	395	31	61	78	87	149
54 . .	114	176	224	307	360	28	56	71	78	136
55 . .	101	157	202	275	327	25	49	62	68	119
56 . .	87	137	178	244	288	22	44	54	59	102
57 . .	76	119	154	214	253	19	38	46	52	87
58 . .	65	102	132	186	220	16	32	40	46	73
59 . .	53	85	112	157	186	13	26	34	36	59
60 . .	42	68	89	128	160	10	21	27	31	45
61 . .	32	52	71	102	124	8	16	20	22	36
62 . .	22	39	50	75	90	5	11	13	15	25
63 . .	13	24	33	45	55	3	7	9	10	15
64 . .	7	11	17	22	26	2	3	5	6	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 0.0 PERCENT
[C] : 1.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	659	985	1106	1457	1642	222	403	488	560	811
19 . .	652	973	1091	1445	1628	218	395	478	553	803
20 . .	642	959	1079	1434	1615	214	385	469	541	795
21 . .	631	943	1067	1416	1591	208	374	460	532	788
22 . .	620	926	1053	1399	1567	203	363	449	521	773
23 . .	607	907	1037	1382	1548	198	351	436	509	761
24 . .	594	887	1019	1362	1528	192	339	423	493	748
25 . .	579	867	998	1338	1508	187	328	408	475	733
26 . .	564	845	976	1310	1483	181	316	393	456	713
27 . .	548	823	954	1283	1457	175	304	379	437	692
28 . .	532	800	930	1254	1430	168	293	364	420	672
29 . .	517	777	905	1224	1399	162	282	350	401	651
30 . .	501	753	880	1193	1365	156	271	337	385	630
31 . .	485	730	854	1161	1330	150	260	323	368	609
32 . .	470	706	827	1129	1294	144	249	310	352	586
33 . .	454	681	800	1095	1256	137	239	297	337	565
34 . .	438	655	772	1059	1217	132	229	284	322	542
35 . .	420	629	744	1026	1176	125	219	271	308	521
36 . .	403	604	715	990	1133	120	209	258	293	499
37 . .	386	579	686	951	1090	114	200	247	280	478
38 . .	369	552	655	913	1045	108	190	235	268	458
39 . .	352	527	625	875	999	102	181	223	253	436
40 . .	336	502	596	835	957	96	171	211	241	417
41 . .	319	477	567	798	913	90	161	200	228	396
42 . .	303	453	540	762	869	85	151	188	216	375
43 . .	287	429	514	725	826	80	143	176	203	354
44 . .	271	405	487	689	784	75	134	166	190	332
45 . .	256	380	461	649	743	69	125	155	178	315
46 . .	240	357	435	612	702	64	117	145	166	290
47 . .	225	334	409	576	662	59	109	134	153	270
48 . .	208	312	382	541	618	54	101	125	141	251
49 . .	192	289	357	506	576	50	93	117	131	232
50 . .	177	268	331	468	535	45	86	107	122	213
51 . .	162	246	304	433	497	41	78	98	112	196
52 . .	149	225	280	396	457	37	71	90	102	177
53 . .	133	204	257	359	417	33	65	82	92	157
54 . .	119	184	235	322	378	29	58	75	82	142
55 . .	105	164	211	288	342	26	51	65	71	124
56 . .	90	143	185	254	300	22	45	56	62	106
57 . .	78	124	160	222	262	19	39	48	53	90
58 . .	67	105	137	192	227	16	33	41	47	75
59 . .	55	88	115	161	191	13	27	35	37	60
60 . .	43	70	91	131	164	11	21	27	32	46
61 . .	33	53	73	104	126	8	16	21	23	36
62 . .	22	39	51	76	91	5	11	13	16	25
63 . .	14	25	33	46	55	3	7	9	10	15
64 . .	7	11	17	22	26	2	3	5	6	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 0.0 PERCENT
[C] : 2.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	850	1272	1446	1924	2175	284	513	625	716	1059
19 . .	833	1246	1414	1889	2136	277	499	607	700	1039
20 . .	814	1218	1386	1856	2098	269	484	591	680	1018
21 . .	794	1188	1358	1816	2050	260	467	574	663	999
22 . .	774	1157	1328	1779	2002	252	450	557	644	973
23 . .	753	1125	1298	1742	1960	244	433	538	625	949
24 . .	730	1093	1264	1702	1918	235	416	518	601	925
25 . .	708	1061	1230	1658	1876	227	399	497	576	900
26 . .	684	1027	1194	1612	1830	218	383	477	551	869
27 . .	661	994	1159	1567	1784	210	367	457	526	839
28 . .	638	960	1122	1521	1737	201	351	437	502	809
29 . .	616	926	1085	1474	1687	192	336	418	478	779
30 . .	593	892	1047	1426	1634	184	321	399	456	749
31 . .	571	859	1010	1379	1581	176	306	381	434	719
32 . .	550	826	972	1332	1528	168	292	364	413	688
33 . .	528	792	935	1283	1473	159	279	346	393	660
34 . .	506	758	897	1234	1418	152	265	329	373	630
35 . .	483	724	859	1187	1362	144	252	312	355	602
36 . .	461	691	820	1139	1305	136	240	297	336	573
37 . .	438	658	783	1088	1248	129	228	282	320	546
38 . .	417	625	744	1038	1190	122	216	266	304	520
39 . .	396	594	706	990	1131	115	204	252	286	492
40 . .	376	562	670	940	1077	107	192	237	270	468
41 . .	355	532	634	893	1023	100	180	224	254	442
42 . .	336	502	601	847	969	94	168	209	240	417
43 . .	316	474	569	803	916	88	158	195	225	391
44 . .	297	444	536	758	864	82	147	183	210	365
45 . .	279	416	505	711	815	76	138	170	195	344
46 . .	261	388	474	668	766	69	128	158	181	316
47 . .	243	362	444	624	719	64	118	146	166	292
48 . .	224	336	412	584	668	58	109	136	152	270
49 . .	206	310	384	543	619	53	100	126	141	249
50 . .	189	286	354	500	573	48	92	115	130	228
51 . .	172	262	324	461	529	44	84	105	119	208
52 . .	157	238	297	419	485	39	76	95	108	187
53 . .	140	215	271	379	440	35	68	87	97	165
54 . .	125	193	247	338	398	31	61	79	86	149
55 . .	109	171	220	301	358	27	54	67	75	129
56 . .	94	149	192	265	312	23	47	59	64	110
57 . .	81	128	166	230	272	20	41	50	55	93
58 . .	69	108	141	199	235	17	34	43	49	78
59 . .	56	90	118	166	197	14	28	36	39	62
60 . .	44	71	93	134	167	11	22	28	32	47
61 . .	33	54	74	106	128	8	17	21	23	37
62 . .	22	40	52	77	93	5	11	14	16	25
63 . .	14	25	34	46	56	3	7	10	11	15
64 . .	7	11	17	22	26	2	3	5	6	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 0.0 PERCENT
[C] : 3.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	1109	1661	1908	2561	2904	367	662	808	925	1395
19 . .	1076	1612	1850	2491	2824	354	638	779	896	1355
20 . .	1042	1562	1796	2422	2747	341	614	752	864	1316
21 . .	1009	1511	1744	2350	2662	328	589	725	835	1278
22 . .	975	1460	1691	2281	2578	315	563	698	805	1234
23 . .	941	1409	1638	2213	2501	303	539	669	774	1194
24 . .	906	1359	1583	2144	2426	290	515	640	741	1154
25 . .	872	1309	1528	2072	2351	278	491	611	706	1113
26 . .	838	1259	1473	1999	2275	266	466	582	671	1068
27 . .	804	1209	1418	1928	2199	254	446	555	637	1024
28 . .	771	1160	1363	1857	2124	241	424	528	605	981
29 . .	739	1112	1309	1787	2047	230	404	502	573	938
30 . .	707	1064	1255	1717	1968	219	384	477	544	897
31 . .	676	1018	1202	1648	1891	208	364	452	514	855
32 . .	646	972	1150	1581	1815	197	345	429	487	814
33 . .	617	926	1098	1513	1737	186	327	406	461	775
34 . .	587	881	1047	1445	1661	176	309	384	435	736
35 . .	558	837	997	1381	1585	165	292	362	412	699
36 . .	529	794	947	1317	1509	156	277	342	388	661
37 . .	500	752	898	1250	1435	147	261	323	367	626
38 . .	474	711	848	1185	1360	138	246	304	347	592
39 . .	447	671	801	1123	1286	129	231	285	324	558
40 . .	422	632	756	1061	1217	120	216	268	305	527
41 . .	396	594	712	1002	1149	112	202	251	285	495
42 . .	373	558	671	946	1082	104	188	233	267	464
43 . .	349	524	632	890	1018	97	175	217	249	433
44 . .	326	489	592	837	955	90	163	202	231	402
45 . .	305	455	555	781	896	83	151	187	214	377
46 . .	283	423	518	729	837	75	139	173	198	344
47 . .	262	392	482	678	782	69	128	159	181	317
48 . .	241	363	446	631	723	63	118	147	165	292
49 . .	221	333	413	584	667	57	108	135	152	267
50 . .	201	306	379	535	615	52	98	123	140	243
51 . .	183	278	345	491	565	46	89	112	127	222
52 . .	166	252	315	444	514	41	80	101	114	198
53 . .	148	227	286	400	465	37	72	91	102	174
54 . .	131	203	259	355	418	32	64	82	90	156
55 . .	114	179	230	315	374	28	56	71	78	135
56 . .	97	154	200	276	325	24	49	61	67	114
57 . .	84	132	172	239	283	21	42	52	58	97
58 . .	71	112	146	205	242	17	35	44	50	80
59 . .	58	92	121	170	202	14	29	37	40	64
60 . .	45	73	95	137	171	11	22	28	33	49
61 . .	34	55	75	108	131	8	17	21	24	37
62 . .	23	41	52	78	94	5	11	14	16	26
63 . .	14	25	34	46	57	3	7	10	11	15
64 . .	7	11	17	22	26	2	3	5	6	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 3.0 PERCENT
[C] : 0.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	262	390	414	519	576	91	170	202	232	303
19 . .	268	399	423	537	595	92	172	203	238	313
20 . .	273	406	433	554	615	93	172	206	239	322
21 . .	276	411	443	566	624	93	170	207	243	332
22 . .	279	414	452	579	632	93	168	208	245	336
23 . .	280	416	460	592	646	93	166	207	246	341
24 . .	280	417	465	602	660	92	163	204	243	346
25 . .	280	418	467	608	673	92	160	201	238	349
26 . .	278	416	469	611	683	91	157	197	231	346
27 . .	276	414	469	614	691	90	154	193	225	343
28 . .	274	412	468	616	698	88	151	188	219	340
29 . .	272	408	466	616	702	86	148	184	212	336
30 . .	268	404	463	615	702	85	144	180	206	332
31 . .	265	400	460	613	701	84	141	176	200	328
32 . .	263	394	454	610	699	81	138	172	194	321
33 . .	259	388	449	605	693	79	134	167	189	316
34 . .	255	380	442	597	687	77	131	163	184	309
35 . .	249	372	434	592	678	75	128	158	179	303
36 . .	243	364	425	584	666	73	125	154	174	295
37 . .	237	355	416	572	654	71	121	150	170	288
38 . .	231	345	403	559	639	68	118	145	166	282
39 . .	224	335	392	546	621	66	114	140	159	273
40 . .	218	324	380	531	607	63	110	135	154	267
41 . .	211	314	367	517	590	60	105	130	148	259
42 . .	204	303	357	503	572	57	100	124	143	250
43 . .	197	293	346	488	553	55	96	118	138	239
44 . .	189	281	334	473	534	53	92	114	131	229
45 . .	182	268	322	453	515	49	88	108	125	222
46 . .	174	256	309	435	496	46	83	102	118	207
47 . .	165	243	295	416	477	43	78	96	110	196
48 . .	156	231	281	398	452	40	74	92	103	185
49 . .	146	218	267	379	428	38	70	87	98	175
50 . .	136	205	251	357	405	35	65	81	92	164
51 . .	127	192	235	336	383	32	61	76	87	153
52 . .	119	178	220	312	358	29	56	70	80	140
53 . .	108	164	205	288	332	27	52	66	73	126
54 . .	98	151	192	262	306	24	47	61	66	117
55 . .	88	137	175	238	282	21	43	53	59	103
56 . .	76	121	156	213	251	19	38	47	52	89
57 . .	67	106	137	189	223	16	34	41	45	78
58 . .	58	92	119	167	197	14	29	36	41	66
59 . .	49	78	101	142	168	12	24	31	33	54
60 . .	39	63	82	117	147	9	19	24	28	42
61 . .	30	49	66	96	115	7	15	19	21	33
62 . .	20	37	47	70	85	5	10	12	15	23
63 . .	13	23	32	43	53	3	6	9	10	14
64 . .	7	11	16	21	25	2	3	5	6	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 3.0 PERCENT
[C] : 1.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	321	478	515	655	729	111	205	245	282	378
19 . .	326	485	522	670	746	111	206	245	286	386
20 . .	329	490	530	685	763	111	205	246	285	394
21 . .	331	493	538	694	769	111	202	247	288	402
22 . .	332	494	545	704	775	110	199	246	288	403
23 . .	332	493	550	714	785	109	195	243	288	407
24 . .	330	492	552	721	796	108	191	239	283	410
25 . .	328	490	552	724	805	107	187	234	276	410
26 . .	325	486	551	724	811	106	183	229	268	406
27 . .	321	482	549	723	815	104	178	223	260	401
28 . .	317	476	544	721	818	101	174	217	252	395
29 . .	313	470	540	717	818	99	170	212	244	389
30 . .	308	463	534	712	813	97	166	207	237	383
31 . .	303	457	527	706	808	95	161	201	229	376
32 . .	299	448	518	699	801	92	157	196	222	366
33 . .	293	439	510	690	791	89	153	190	215	359
34 . .	287	429	500	678	779	87	148	184	208	350
35 . .	280	418	489	669	766	84	144	178	202	342
36 . .	272	408	477	657	750	81	140	172	195	332
37 . .	264	396	464	640	733	79	136	167	190	323
38 . .	257	383	449	623	713	76	131	161	185	314
39 . .	248	371	435	607	691	72	126	155	176	303
40 . .	240	358	420	588	672	69	121	149	170	295
41 . .	231	345	405	570	650	65	116	143	163	284
42 . .	223	332	391	552	628	62	110	136	157	274
43 . .	214	319	378	533	605	59	105	129	150	261
44 . .	204	305	363	514	582	57	100	124	142	249
45 . .	196	290	349	491	559	53	95	117	135	240
46 . .	187	275	333	470	536	49	90	110	127	223
47 . .	177	261	318	447	513	46	84	103	119	210
48 . .	166	247	301	426	485	43	80	98	110	198
49 . .	155	232	285	404	458	40	74	93	105	186
50 . .	145	218	267	379	431	37	69	86	98	174
51 . .	134	203	249	356	406	34	64	80	92	162
52 . .	125	188	232	329	378	31	59	74	84	148
53 . .	113	172	216	302	349	28	54	69	77	132
54 . .	103	158	200	274	321	25	50	64	70	122
55 . .	91	142	182	248	294	22	44	56	61	107
56 . .	79	125	161	222	261	20	40	49	54	93
57 . .	70	109	142	196	231	17	35	42	47	80
58 . .	60	94	122	172	203	15	30	37	42	68
59 . .	50	80	104	146	173	12	25	32	34	55
60 . .	40	64	84	120	151	10	19	25	29	43
61 . .	31	50	68	97	117	7	15	19	21	34
62 . .	21	37	48	71	86	5	10	13	15	24
63 . .	13	24	32	44	53	3	6	9	10	14
64 . .	7	11	16	21	25	2	3	5	6	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 3.0 PERCENT
[C] : 2.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	397	592	648	834	932	136	250	300	345	475
19 . .	400	596	650	844	944	136	249	298	347	481
20 . .	401	598	655	855	956	135	246	298	344	486
21 . .	401	597	660	859	957	134	242	296	345	491
22 . .	399	594	663	865	957	132	237	293	343	489
23 . .	397	590	664	870	963	130	232	289	340	490
24 . .	393	586	662	871	968	128	226	283	333	490
25 . .	388	580	658	869	971	126	221	276	323	487
26 . .	382	572	653	863	971	124	215	268	313	479
27 . .	376	564	646	857	969	121	209	261	303	471
28 . .	369	555	638	850	966	118	203	253	293	462
29 . .	363	545	629	841	959	115	198	246	282	453
30 . .	356	535	619	830	948	112	192	239	273	444
31 . .	348	525	608	818	937	109	186	231	263	433
32 . .	342	513	595	806	923	105	180	224	254	421
33 . .	334	500	583	791	907	102	174	217	246	411
34 . .	325	486	569	774	889	98	169	209	237	399
35 . .	316	472	554	759	869	94	163	201	229	387
36 . .	306	458	537	742	847	91	158	194	220	375
37 . .	296	443	521	720	824	88	152	188	213	363
38 . .	286	427	502	698	798	84	147	180	206	351
39 . .	275	411	484	676	771	80	141	173	196	338
40 . .	265	395	466	652	746	76	134	165	188	327
41 . .	254	379	447	630	719	72	127	158	180	314
42 . .	244	364	431	607	691	68	121	150	172	300
43 . .	233	348	414	584	664	65	115	142	164	286
44 . .	222	331	396	561	635	62	109	135	155	271
45 . .	212	314	379	533	608	58	103	127	147	260
46 . .	201	297	361	508	580	53	97	119	138	241
47 . .	190	281	342	482	553	50	91	112	128	226
48 . .	177	265	323	457	521	46	85	106	119	212
49 . .	165	247	305	432	490	43	79	99	112	198
50 . .	153	231	284	403	460	39	74	92	105	184
51 . .	142	214	264	377	431	36	68	85	97	171
52 . .	131	198	245	347	399	32	62	78	89	155
53 . .	119	181	227	318	368	29	57	72	81	139
54 . .	107	165	210	287	337	26	52	67	73	127
55 . .	95	148	190	259	307	23	46	58	64	112
56 . .	82	130	168	230	271	20	41	51	56	96
57 . .	72	113	146	203	240	18	36	44	49	83
58 . .	62	97	126	178	209	15	31	38	44	70
59 . .	51	82	107	150	178	12	25	33	35	56
60 . .	41	65	86	123	154	10	20	26	30	44
61 . .	31	50	69	99	119	7	15	19	22	34
62 . .	21	38	49	72	87	5	10	13	15	24
63 . .	13	24	32	44	54	3	7	9	10	14
64 . .	7	11	16	21	25	2	3	5	6	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 3.0 PERCENT
[C] : 3.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	498	743	823	1071	1202	170	309	373	428	604
19 . .	497	741	820	1074	1205	168	305	368	427	605
20 . .	494	737	818	1077	1209	166	300	364	420	605
21 . .	490	731	817	1074	1201	163	293	360	418	605
22 . .	485	723	814	1071	1193	160	286	354	412	600
23 . .	479	714	809	1069	1190	157	278	346	406	596
24 . .	471	704	801	1063	1186	153	271	338	395	590
25 . .	463	692	791	1052	1181	150	263	328	383	583
26 . .	453	680	780	1039	1171	146	255	317	369	571
27 . .	444	666	767	1025	1161	142	246	308	356	558
28 . .	434	652	753	1010	1149	138	239	297	343	545
29 . .	424	637	738	993	1133	134	231	287	330	532
30 . .	413	622	722	974	1113	130	223	278	317	518
31 . .	403	606	706	955	1093	125	215	268	305	503
32 . .	393	590	688	935	1071	121	208	259	293	487
33 . .	382	572	670	912	1046	116	200	249	282	472
34 . .	370	554	650	888	1020	112	193	239	271	456
35 . .	358	535	630	866	992	107	185	229	261	441
36 . .	345	517	609	842	962	103	179	220	249	425
37 . .	332	497	587	813	931	98	171	211	240	409
38 . .	319	477	563	785	898	94	164	202	231	394
39 . .	306	458	541	757	863	89	157	193	219	377
40 . .	294	438	519	726	831	84	149	184	209	363
41 . .	280	419	496	698	798	79	141	175	199	347
42 . .	268	400	475	670	763	75	133	165	190	331
43 . .	255	381	455	641	730	71	126	156	180	313
44 . .	242	361	433	613	695	67	119	147	169	296
45 . .	230	341	412	580	663	62	112	138	160	282
46 . .	217	321	391	550	629	57	105	130	149	261
47 . .	204	302	369	520	597	54	98	121	138	244
48 . .	190	284	347	491	560	49	92	114	128	228
49 . .	176	264	326	461	524	46	85	106	120	212
50 . .	163	246	303	429	490	42	79	98	112	196
51 . .	150	227	280	399	457	38	72	90	103	181
52 . .	138	209	259	366	422	34	66	83	94	164
53 . .	125	190	239	334	387	31	60	76	85	146
54 . .	112	172	220	301	353	27	54	70	76	133
55 . .	99	154	198	270	321	24	48	61	67	116
56 . .	85	135	174	240	282	21	43	53	58	100
57 . .	74	117	152	210	248	18	37	45	51	86
58 . .	64	100	130	183	216	15	32	39	45	72
59 . .	52	84	110	154	183	13	26	34	36	58
60 . .	41	67	88	125	157	10	20	26	30	45
61 . .	32	51	70	101	122	8	16	20	22	35
62 . .	21	38	49	73	89	5	10	13	15	24
63 . .	13	24	32	44	54	3	7	9	10	14
64 . .	7	11	16	21	25	2	3	5	6	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 5.0 PERCENT
[C] : 0.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	177	262	270	329	362	62	119	139	160	197
19 . .	184	273	280	347	381	64	121	141	167	207
20 . .	190	282	292	366	402	65	123	145	169	218
21 . .	195	289	304	379	413	66	122	148	175	229
22 . .	199	294	315	394	424	66	122	151	178	234
23 . .	202	298	325	410	440	67	121	151	182	242
24 . .	204	302	332	423	457	67	119	150	181	249
25 . .	205	305	337	432	473	67	118	149	178	254
26 . .	205	307	342	439	486	67	116	146	173	254
27 . .	205	308	346	446	499	67	114	144	169	254
28 . .	205	309	348	452	510	66	113	141	165	253
29 . .	205	309	350	456	519	65	111	139	161	252
30 . .	204	308	350	459	524	65	110	137	157	251
31 . .	204	307	350	462	528	64	107	135	153	249
32 . .	203	305	349	464	532	63	106	132	150	246
33 . .	202	303	348	464	533	62	104	130	147	244
34 . .	200	299	345	462	532	61	102	127	143	240
35 . .	197	294	342	462	530	59	100	124	141	237
36 . .	194	290	337	460	525	58	99	122	137	233
37 . .	190	285	332	454	519	57	97	119	135	229
38 . .	187	278	323	447	511	56	95	116	133	226
39 . .	183	273	316	440	500	54	93	113	129	220
40 . .	179	266	309	431	492	51	89	110	125	217
41 . .	174	259	301	423	482	49	86	107	122	212
42 . .	170	252	294	415	470	48	83	102	118	207
43 . .	165	245	288	406	459	46	80	98	115	199
44 . .	159	236	279	396	446	45	77	95	110	192
45 . .	155	227	271	382	434	42	74	91	106	188
46 . .	149	218	262	370	421	39	70	86	100	176
47 . .	143	209	253	356	408	37	67	82	94	168
48 . .	135	200	242	344	389	35	64	79	88	160
49 . .	128	190	232	330	371	33	60	75	85	152
50 . .	120	180	220	313	354	31	57	71	81	144
51 . .	113	170	207	297	337	28	53	66	77	136
52 . .	106	159	195	278	318	26	50	62	71	125
53 . .	97	147	184	258	297	24	46	59	66	113
54 . .	89	136	173	236	276	22	43	55	60	106
55 . .	80	125	159	216	256	19	39	48	53	94
56 . .	70	111	143	195	229	17	35	43	47	82
57 . .	62	98	126	174	206	15	31	38	42	72
58 . .	55	85	111	155	183	13	27	33	38	62
59 . .	46	73	95	133	158	11	23	29	31	50
60 . .	37	59	77	111	139	9	18	23	27	39
61 . .	29	46	63	91	110	7	14	18	20	32
62 . .	20	35	45	68	82	5	10	12	14	23
63 . .	12	23	31	42	51	3	6	9	10	14
64 . .	7	10	16	21	24	1	2	5	5	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 5.0 PERCENT
[C] : 1.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	211	313	328	404	447	74	139	164	189	239
19 . .	218	323	337	422	466	75	142	166	195	249
20 . .	223	332	348	441	487	76	142	170	197	260
21 . .	227	338	360	454	498	77	142	172	203	270
22 . .	231	342	370	468	508	77	140	174	205	275
23 . .	234	346	379	483	523	77	139	174	208	282
24 . .	235	349	385	495	539	77	137	172	206	288
25 . .	235	351	390	503	554	77	135	170	202	292
26 . .	235	351	393	509	566	77	133	167	197	291
27 . .	234	352	396	514	577	76	130	164	192	290
28 . .	233	351	397	519	587	75	128	161	187	289
29 . .	233	349	397	522	594	74	126	158	182	287
30 . .	231	347	397	523	597	73	124	155	177	284
31 . .	229	345	395	524	599	72	121	152	172	281
32 . .	228	342	392	524	601	71	119	149	168	277
33 . .	226	338	390	522	599	69	116	145	164	273
34 . .	223	333	385	518	596	68	114	142	160	268
35 . .	219	327	380	516	591	66	112	138	157	264
36 . .	214	321	373	512	584	64	110	135	152	259
37 . .	210	314	366	503	575	63	107	132	149	254
38 . .	205	306	357	493	564	61	105	128	147	249
39 . .	200	299	348	484	551	59	102	124	141	242
40 . .	195	290	339	473	540	56	98	121	137	238
41 . .	189	282	328	462	527	54	94	117	133	232
42 . .	184	273	320	451	513	52	90	112	129	225
43 . .	178	265	312	440	498	50	87	107	124	216
44 . .	171	255	302	428	483	48	83	103	119	207
45 . .	166	244	292	411	468	45	80	98	114	202
46 . .	159	234	282	397	452	42	76	93	108	189
47 . .	152	223	271	381	437	40	72	88	101	179
48 . .	144	213	258	367	416	37	68	84	95	171
49 . .	135	201	247	351	395	35	64	80	90	161
50 . .	127	191	233	331	375	32	60	75	86	152
51 . .	119	179	219	313	356	30	56	70	81	143
52 . .	111	167	205	292	334	27	52	65	75	131
53 . .	102	154	193	270	311	25	48	62	69	118
54 . .	93	142	181	247	289	23	45	58	63	110
55 . .	83	129	165	225	267	20	40	50	56	98
56 . .	73	115	148	203	238	18	36	45	49	85
57 . .	64	101	131	180	213	16	32	39	43	74
58 . .	56	88	114	160	188	14	28	34	39	63
59 . .	47	75	98	137	162	11	23	30	32	52
60 . .	38	61	79	113	142	9	18	24	28	40
61 . .	29	47	64	93	112	7	15	18	20	32
62 . .	20	36	46	69	83	5	10	12	14	23
63 . .	13	23	31	42	51	3	6	9	10	14
64 . .	7	10	16	21	25	2	2	5	5	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 5.0 PERCENT
[C] : 2.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	254	378	401	502	557	88	165	196	226	294
19 . .	261	387	409	519	576	89	167	197	231	303
20 . .	265	394	420	537	595	90	167	200	232	312
21 . .	269	399	430	548	605	90	166	202	237	322
22 . .	271	403	439	562	613	90	164	202	238	326
23 . .	273	405	447	575	627	90	161	201	240	332
24 . .	273	406	452	585	641	90	159	199	237	337
25 . .	272	407	455	591	654	89	156	196	232	339
26 . .	271	406	457	595	664	89	153	192	225	337
27 . .	269	404	457	598	673	87	150	188	219	335
28 . .	267	401	456	600	680	86	147	184	213	332
29 . .	265	398	455	601	684	84	144	180	207	328
30 . .	262	394	452	599	684	83	141	176	201	324
31 . .	259	391	449	598	684	82	137	172	195	320
32 . .	257	385	444	595	682	80	134	168	190	313
33 . .	253	379	439	590	677	77	131	164	185	308
34 . .	249	372	432	584	671	75	128	159	180	302
35 . .	244	364	425	578	662	73	125	154	176	296
36 . .	238	356	416	571	652	71	122	150	170	289
37 . .	232	348	407	559	640	69	119	146	166	282
38 . .	226	338	395	547	625	67	116	142	163	276
39 . .	220	328	383	535	608	64	112	137	156	268
40 . .	214	318	372	520	594	61	107	132	151	261
41 . .	206	308	360	507	578	58	103	128	145	253
42 . .	200	298	350	493	560	56	98	122	140	245
43 . .	193	287	340	479	543	54	94	116	135	235
44 . .	185	275	327	464	524	52	90	111	128	225
45 . .	178	263	316	444	506	48	86	106	123	218
46 . .	171	251	303	427	487	45	81	100	116	203
47 . .	163	239	290	409	469	43	77	94	108	192
48 . .	153	227	276	391	444	40	73	90	101	182
49 . .	144	214	263	373	421	37	68	86	96	172
50 . .	134	202	247	351	399	34	64	80	91	161
51 . .	125	189	231	331	377	31	60	74	85	151
52 . .	117	176	216	307	352	29	55	69	79	138
53 . .	106	162	202	283	327	26	51	65	72	124
54 . .	97	148	189	258	302	24	47	60	65	115
55 . .	86	135	172	234	278	21	42	52	58	102
56 . .	75	119	153	210	247	19	38	47	51	88
57 . .	66	104	135	187	220	16	33	40	45	77
58 . .	58	90	117	165	194	14	29	35	41	65
59 . .	48	77	100	140	166	12	24	31	33	53
60 . .	38	62	81	116	146	9	19	24	28	41
61 . .	30	48	66	94	114	7	15	19	21	33
62 . .	20	36	47	70	84	5	10	12	14	23
63 . .	13	23	31	43	52	3	6	9	10	14
64 . .	7	10	16	21	25	2	3	5	5	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 5.0 PERCENT
[C] : 3.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	309	461	496	630	701	107	198	237	272	364
19 . .	315	468	503	645	717	108	199	237	276	372
20 . .	318	473	511	660	734	108	198	238	276	380
21 . .	320	476	520	669	741	107	195	239	279	388
22 . .	322	478	527	680	747	107	192	238	279	390
23 . .	322	478	532	690	758	106	189	236	279	394
24 . .	320	477	534	698	769	105	185	232	275	397
25 . .	318	475	535	701	779	104	182	227	268	398
26 . .	315	472	534	701	785	103	178	222	260	393
27 . .	312	468	532	701	790	101	173	217	253	389
28 . .	308	463	529	700	794	98	169	211	245	384
29 . .	304	457	524	696	794	96	165	206	237	378
30 . .	300	451	519	692	790	95	161	201	230	372
31 . .	295	444	512	686	785	93	157	196	223	365
32 . .	291	436	505	680	779	90	153	191	216	357
33 . .	286	428	497	671	770	87	149	185	210	350
34 . .	280	418	487	661	759	85	144	179	203	341
35 . .	273	408	477	652	746	82	140	173	197	333
36 . .	266	398	465	640	731	79	137	168	190	323
37 . .	258	386	453	625	715	77	132	163	185	315
38 . .	251	374	438	608	696	74	128	157	180	306
39 . .	243	362	424	593	675	71	124	151	172	296
40 . .	235	350	410	574	656	67	118	146	166	288
41 . .	226	337	396	557	636	64	113	140	159	278
42 . .	218	325	383	540	614	61	108	133	153	268
43 . .	210	312	370	522	592	58	103	127	147	256
44 . .	200	298	355	504	570	56	98	121	139	244
45 . .	192	284	341	481	548	52	93	114	133	235
46 . .	183	270	327	460	525	48	88	108	125	219
47 . .	174	256	312	439	503	46	83	101	116	206
48 . .	163	243	295	418	476	42	78	96	108	195
49 . .	152	228	280	397	449	39	73	91	103	183
50 . .	142	214	263	372	424	36	68	85	97	171
51 . .	132	199	244	350	399	33	63	79	90	159
52 . .	123	185	228	323	372	30	58	73	83	145
53 . .	111	170	212	297	343	27	53	68	76	130
54 . .	101	155	197	270	316	25	49	63	68	120
55 . .	90	140	179	244	290	22	44	55	60	106
56 . .	78	123	159	218	257	19	39	48	53	91
57 . .	69	108	140	193	228	17	34	42	46	79
58 . .	59	93	121	170	200	14	30	37	42	67
59 . .	49	79	103	144	171	12	24	31	33	54
60 . .	39	63	83	118	149	10	19	25	29	42
61 . .	30	49	67	96	116	7	15	19	21	33
62 . .	20	37	47	71	85	5	10	12	15	24
63 . .	13	23	31	43	52	3	6	9	10	14
64 . .	7	11	16	21	25	2	3	5	5	5

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 0.0 PERCENT
[C] : 0.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	734	940	1053	1317	1468	459	576	675	762	897
19 . .	727	932	1048	1319	1470	452	569	650	763	898
20 . .	719	923	1039	1322	1473	446	561	642	747	898
21 . .	709	912	1029	1302	1454	438	551	634	739	899
22 . .	700	900	1017	1293	1457	429	541	623	727	883
23 . .	689	886	1005	1282	1442	420	531	612	716	869
24 . .	677	872	991	1269	1425	410	520	601	703	856
25 . .	664	858	976	1253	1408	401	509	589	688	842
26 . .	651	841	960	1235	1389	392	497	576	674	826
27 . .	637	824	943	1218	1371	382	484	562	660	809
28 . .	622	806	925	1199	1351	372	472	548	644	792
29 . .	608	788	906	1179	1330	363	459	533	628	774
30 . .	593	769	886	1157	1306	354	446	519	611	756
31 . .	577	750	865	1134	1281	344	433	504	594	736
32 . .	562	730	844	1110	1255	333	421	490	576	716
33 . .	547	710	822	1084	1226	322	408	475	559	695
34 . .	531	689	800	1057	1197	313	396	460	541	674
35 . .	515	667	776	1032	1165	302	383	445	523	653
36 . .	498	646	752	1004	1131	291	371	430	506	631
37 . .	481	623	728	973	1098	281	358	415	488	610
38 . .	465	601	700	940	1060	271	346	399	471	588
39 . .	448	578	675	909	1021	260	333	385	452	565
40 . .	431	556	648	875	984	250	320	370	436	544
41 . .	414	534	622	843	948	240	307	356	420	522
42 . .	397	511	598	811	909	230	294	342	403	500
43 . .	380	489	575	780	871	220	282	326	388	479
44 . .	363	466	549	748	831	210	269	313	371	458
45 . .	347	442	525	711	794	199	256	297	353	438
46 . .	330	420	500	677	795	188	244	284	337	415
47 . .	313	398	474	643	717	179	231	270	319	394
48 . .	295	375	448	610	676	169	219	254	301	371
49 . .	278	352	423	576	636	158	206	240	285	352
50 . .	261	331	396	539	597	148	194	223	269	332
51 . .	243	309	369	504	559	139	181	209	252	310
52 . .	226	287	345	467	520	129	169	195	234	288
53 . .	209	264	320	432	481	119	156	181	216	263
54 . .	191	242	294	395	443	109	143	167	198	242
55 . .	172	220	266	359	407	99	130	152	179	220
56 . .	154	197	239	324	364	90	118	138	162	198
57 . .	136	174	214	287	327	80	105	123	145	174
58 . .	119	153	189	250	291	71	92	109	129	149
59 . .	101	131	164	213	251	61	79	94	113	127
60 . .	85	109	137	178	213	51	66	80	96	106
61 . .	69	88	114	142	167	40	53	63	78	87
62 . .	52	67	86	111	128	30	40	46	59	67
63 . .	35	45	58	73	81	20	27	33	41	46
64 . .	17	22	31	38	38	10	13	15	20	22

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 0.0 PERCENT
[C] : 1.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
			COLLEGE					COLLEGE		
	LESS THAN 12 YEARS	H. S. 4 YEARS	1-3 YEARS	4 YEARS	5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	1-3 YEARS	4 YEARS	5+ YEARS
18 . .	943	1208	1365	1728	1929	585	738	863	983	1168
19 . .	927	1190	1347	1714	1913	573	724	829	974	1157
20 . .	910	1169	1325	1700	1898	561	708	813	948	1146
21 . .	892	1147	1303	1664	1862	548	692	797	931	1135
22 . .	873	1124	1279	1639	1847	534	675	779	911	1109
23 . .	854	1100	1255	1613	1814	519	658	760	890	1083
24 . .	835	1075	1229	1585	1780	505	641	742	868	1060
25 . .	814	1050	1202	1554	1747	491	623	722	846	1036
26 . .	793	1024	1174	1521	1710	477	605	702	823	1010
27 . .	771	997	1147	1489	1676	463	587	682	801	984
28 . .	749	970	1117	1457	1641	448	569	661	777	957
29 . .	728	942	1088	1422	1604	434	551	640	754	929
30 . .	707	915	1058	1387	1564	421	533	620	730	902
31 . .	683	887	1027	1350	1525	407	515	598	706	874
32 . .	662	858	996	1314	1484	392	497	578	681	845
33 . .	641	830	965	1276	1441	378	480	558	658	816
34 . .	619	801	933	1237	1398	365	462	537	633	787
35 . .	597	772	901	1200	1353	350	446	517	609	758
36 . .	574	743	868	1160	1306	336	429	497	586	730
37 . .	552	714	835	1118	1260	323	412	477	562	701
38 . .	531	684	800	1075	1211	309	396	457	540	672
39 . .	508	656	767	1033	1160	296	379	439	515	643
40 . .	487	627	733	990	1113	282	362	419	495	615
41 . .	465	599	700	949	1066	270	346	402	474	588
42 . .	444	571	670	908	1017	258	330	383	453	561
43 . .	422	543	640	868	970	246	314	364	433	534
44 . .	402	515	609	828	921	233	298	347	412	508
45 . .	382	487	578	784	875	219	283	328	390	484
46 . .	361	460	548	742	828	207	268	312	371	456
47 . .	341	433	517	701	782	195	252	295	350	430
48 . .	320	407	486	661	734	183	238	276	328	404
49 . .	300	380	457	621	688	171	223	259	309	380
50 . .	280	355	426	579	643	160	209	241	290	357
51 . .	260	330	396	539	598	149	194	224	271	332
52 . .	241	305	367	497	554	137	180	208	250	306
53 . .	221	279	340	457	510	126	165	192	230	279
54 . .	201	255	310	416	467	115	151	177	209	255
55 . .	180	230	279	377	427	105	137	160	189	231
56 . .	161	206	250	338	381	94	123	144	169	207
57 . .	142	181	223	298	340	84	110	128	151	180
58 . .	123	158	196	259	301	73	95	112	133	155
59 . .	104	135	169	219	258	63	81	97	117	130
60 . .	87	112	141	183	218	52	67	82	99	109
61 . .	70	90	116	145	171	41	54	65	79	89
62 . .	52	68	87	112	130	31	41	47	60	68
63 . .	35	45	59	74	82	20	28	34	41	46
64 . .	18	22	31	39	38	10	13	15	20	23

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 0.0 PERCENT
[C] : 2.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	1227	1574	1791	2292	2563	757	958	1118	1285	1537
19 . .	1197	1537	1752	2250	2517	736	933	1072	1260	1508
20 . .	1166	1498	1711	2210	2472	716	906	1043	1220	1479
21 . .	1134	1459	1668	2149	2407	694	879	1014	1189	1451
22 . .	1103	1419	1626	2100	2365	672	852	985	1154	1408
23 . .	1071	1379	1583	2049	2305	650	825	955	1120	1366
24 . .	1040	1339	1539	1998	2244	628	799	925	1085	1327
25 . .	1008	1299	1495	1944	2186	606	772	895	1050	1288
26 . .	975	1258	1451	1890	2125	586	745	865	1016	1247
27 . .	943	1218	1407	1837	2067	565	718	834	982	1206
28 . .	910	1177	1362	1783	2008	544	692	804	947	1165
29 . .	879	1136	1317	1729	1949	524	666	774	913	1125
30 . .	848	1096	1273	1674	1888	505	641	745	879	1085
31 . .	815	1056	1228	1620	1827	485	615	716	845	1045
32 . .	785	1016	1183	1566	1767	465	591	688	811	1004
33 . .	755	977	1139	1510	1704	446	567	659	778	964
34 . .	725	937	1095	1455	1643	428	544	632	745	925
35 . .	695	898	1051	1402	1580	408	521	604	713	886
36 . .	665	860	1007	1347	1517	390	499	578	682	848
37 . .	636	821	964	1291	1454	373	477	552	651	810
38 . .	608	783	918	1234	1390	355	455	526	622	772
39 . .	579	746	875	1179	1324	337	433	502	591	735
40 . .	552	709	832	1124	1263	321	412	477	564	699
41 . .	524	674	791	1071	1203	305	392	455	537	665
42 . .	497	639	752	1019	1141	289	371	431	510	630
43 . .	471	605	715	969	1083	274	352	408	485	598
44 . .	446	571	676	919	1023	258	332	386	459	565
45 . .	421	537	639	865	967	242	313	364	433	535
46 . .	396	504	602	815	909	227	295	344	409	501
47 . .	372	473	565	766	855	214	277	323	383	471
48 . .	347	442	529	719	798	200	259	301	358	440
49 . .	324	411	494	672	744	185	242	281	335	412
50 . .	301	382	458	622	692	172	225	260	313	384
51 . .	278	353	424	576	641	159	209	240	290	355
52 . .	256	325	391	530	590	146	192	222	267	327
53 . .	234	296	360	485	541	134	175	204	244	296
54 . .	212	269	327	439	493	122	160	187	221	269
55 . .	189	242	294	396	449	110	144	168	199	242
56 . .	168	215	262	353	398	99	129	151	177	216
57 . .	147	188	232	310	354	87	114	133	157	188
58 . .	127	163	203	267	311	76	99	116	138	160
59 . .	108	139	174	226	266	65	84	100	120	134
60 . .	89	114	145	187	223	53	69	84	101	112
61 . .	71	91	118	147	174	42	56	66	81	91
62 . .	53	69	88	114	132	31	42	47	60	69
63 . .	36	46	59	74	82	21	28	34	42	47
64 . .	18	22	31	39	38	10	13	15	20	23

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 0.0 PERCENT
[C] : 3.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	1616	2073	2378	3069	3437	994	1260	1469	1700	2046
19 . .	1563	2008	2306	2985	3342	959	1217	1402	1651	1987
20 . .	1511	1942	2232	2903	3251	925	1174	1354	1588	1931
21 . .	1459	1876	2159	2802	3141	890	1131	1307	1535	1876
22 . .	1408	1811	2088	2714	3056	856	1088	1259	1479	1806
23 . .	1358	1747	2017	2627	2955	822	1047	1212	1425	1740
24 . .	1308	1684	1946	2541	2855	789	1006	1166	1371	1677
25 . .	1259	1622	1876	2454	2759	757	966	1120	1317	1615
26 . .	1210	1560	1808	2367	2661	726	926	1075	1265	1553
27 . .	1162	1499	1740	2283	2569	696	887	1031	1215	1492
28 . .	1114	1439	1673	2200	2477	666	849	987	1164	1432
29 . .	1069	1381	1607	2117	2386	637	813	944	1115	1373
30 . .	1025	1323	1542	2036	2294	611	776	903	1066	1315
31 . .	979	1266	1478	1955	2205	583	741	862	1019	1258
32 . .	937	1211	1415	1877	2116	555	708	823	972	1202
33 . .	896	1156	1353	1798	2028	529	675	785	927	1146
34 . .	854	1103	1292	1720	1941	505	643	747	882	1093
35 . .	814	1050	1233	1647	1855	479	612	711	840	1041
36 . .	775	999	1174	1572	1769	454	583	676	798	990
37 . .	736	949	1117	1497	1686	432	553	641	757	940
38 . .	699	900	1058	1422	1601	409	525	608	719	891
39 . .	662	852	1003	1351	1517	387	498	576	680	843
40 . .	627	806	948	1280	1438	366	470	545	645	798
41 . .	592	761	896	1213	1362	346	445	516	610	754
42 . .	559	718	848	1147	1285	326	419	487	576	711
43 . .	527	676	800	1084	1212	307	395	458	545	670
44 . .	496	634	753	1022	1139	288	370	431	513	629
45 . .	466	593	708	957	1070	269	347	404	480	593
46 . .	436	554	663	897	1001	251	325	379	452	552
47 . .	407	517	619	838	937	234	304	354	421	516
48 . .	378	481	576	782	870	218	283	329	391	479
49 . .	350	445	535	727	807	201	263	305	364	446
50 . .	324	411	494	670	746	186	243	281	338	414
51 . .	298	378	455	617	688	171	224	258	312	381
52 . .	273	346	418	564	630	156	205	237	285	348
53 . .	248	314	382	514	575	143	186	217	260	314
54 . .	223	284	346	463	521	129	169	197	234	284
55 . .	199	254	309	415	471	116	151	177	209	254
56 . .	175	224	274	369	416	103	135	158	186	226
57 . .	153	196	241	322	368	90	119	138	164	195
58 . .	132	169	210	277	322	78	102	121	143	166
59 . .	111	143	179	233	274	67	86	103	124	139
60 . .	92	117	148	192	228	55	71	86	104	114
61 . .	73	93	121	150	177	43	57	67	82	93
62 . .	54	70	90	116	134	32	42	48	61	70
63 . .	36	46	60	75	83	21	28	34	42	47
64 . .	18	22	31	39	39	10	13	16	20	23

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 3.0 PERCENT
[C] : 0.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	371	472	515	617	681	238	296	350	382	432
19 . .	375	479	525	637	704	238	298	336	394	445
20 . .	378	483	531	658	727	239	298	338	390	460
21 . .	379	486	537	657	729	239	298	340	394	474
22 . .	381	488	541	667	753	237	297	340	394	473
23 . .	381	489	545	676	760	235	295	339	394	473
24 . .	380	489	546	683	765	233	294	338	393	474
25 . .	379	489	547	687	771	230	291	336	391	475
26 . .	377	487	547	689	774	228	288	334	388	473
27 . .	374	484	547	692	779	226	284	330	386	471
28 . .	370	481	545	694	782	222	281	326	382	468
29 . .	367	477	542	694	784	220	277	321	377	464
30 . .	363	472	539	692	783	218	272	317	372	460
31 . .	358	467	534	690	782	214	268	312	366	455
32 . .	353	461	528	687	779	210	263	307	360	448
33 . .	349	455	522	681	773	206	259	301	354	441
34 . .	343	448	515	675	767	202	254	295	346	433
35 . .	338	439	507	670	758	197	249	289	339	425
36 . .	331	431	498	661	747	193	244	283	332	417
37 . .	324	421	489	650	736	189	239	276	324	408
38 . .	317	411	476	637	720	184	234	270	317	398
39 . .	310	401	464	624	702	179	228	263	307	387
40 . .	302	390	451	609	686	174	222	256	301	377
41 . .	293	380	439	596	670	169	216	250	293	367
42 . .	285	369	428	581	651	165	209	243	286	357
43 . .	277	358	417	567	633	160	203	235	279	346
44 . .	268	345	404	551	612	154	196	228	271	335
45 . .	260	331	391	531	592	148	190	220	261	326
46 . .	250	319	378	512	570	142	183	213	253	312
47 . .	241	306	363	493	549	136	176	205	243	300
48 . .	230	293	348	475	524	131	169	195	232	287
49 . .	219	278	332	454	500	124	161	187	223	276
50 . .	209	265	315	431	476	118	154	177	213	264
51 . .	198	251	298	409	451	112	146	167	203	251
52 . .	186	236	282	384	425	105	138	159	191	236
53 . .	174	220	266	360	399	99	129	149	179	218
54 . .	161	204	247	333	372	91	120	140	166	204
55 . .	147	188	227	307	347	85	111	129	152	188
56 . .	133	171	207	281	315	78	102	119	139	172
57 . .	120	153	187	252	286	70	92	107	126	152
58 . .	106	136	168	222	258	63	82	96	114	133
59 . .	91	118	147	192	226	55	71	85	102	114
60 . .	78	100	125	163	195	46	60	73	88	97
61 . .	64	82	105	131	156	37	49	59	72	81
62 . .	49	63	81	104	121	28	38	43	55	63
63 . .	33	43	56	70	77	19	26	32	39	44
64 . .	17	21	30	37	37	10	13	15	19	22

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 3.0 PERCENT
[C] : 1.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	454	579	637	775	859	288	360	425	468	538
19 . .	456	583	644	793	878	288	360	408	478	549
20 . .	457	585	648	810	898	287	359	409	472	561
21 . .	456	586	651	806	897	285	357	408	474	573
22 . .	456	585	653	813	918	282	354	407	472	569
23 . .	454	583	653	818	921	279	351	404	470	566
24 . .	451	581	652	821	921	275	347	401	466	565
25 . .	447	578	650	822	923	271	343	397	462	563
26 . .	443	573	646	820	922	268	338	392	457	558
27 . .	437	567	643	819	922	264	333	386	452	553
28 . .	431	561	637	817	921	259	327	380	446	547
29 . .	426	554	631	813	918	255	321	373	438	540
30 . .	420	546	625	807	912	251	315	367	431	533
31 . .	412	538	616	800	906	246	309	359	423	525
32 . .	406	529	607	793	898	241	302	352	414	515
33 . .	399	519	598	783	887	235	296	345	405	505
34 . .	391	509	587	772	876	230	290	337	395	494
35 . .	383	497	576	762	862	224	283	328	386	483
36 . .	374	486	563	749	846	218	277	320	376	472
37 . .	365	474	550	733	829	213	270	312	366	460
38 . .	356	460	534	715	808	206	263	303	357	447
39 . .	346	447	519	699	785	200	255	295	345	433
40 . .	336	434	503	679	764	194	248	286	336	421
41 . .	325	420	487	661	743	188	240	278	327	408
42 . .	315	407	473	642	719	182	232	269	317	395
43 . .	304	393	459	624	696	176	224	259	308	382
44 . .	294	377	443	604	670	169	216	251	297	368
45 . .	283	361	427	580	646	161	207	241	286	356
46 . .	272	346	411	557	620	154	199	232	276	340
47 . .	261	331	393	533	595	148	191	223	263	326
48 . .	247	315	375	511	565	141	182	211	251	310
49 . .	235	298	357	488	537	133	174	202	240	297
50 . .	223	283	337	460	509	126	165	190	228	283
51 . .	210	267	318	435	481	119	156	179	216	267
52 . .	197	250	299	407	451	111	146	168	203	250
53 . .	183	232	281	379	421	104	136	158	189	230
54 . .	169	215	260	350	392	96	126	147	175	214
55 . .	154	196	237	321	364	89	116	135	160	196
56 . .	139	178	216	293	328	81	106	124	145	179
57 . .	124	159	195	261	297	73	96	111	131	158
58 . .	109	140	174	230	267	65	85	100	118	137
59 . .	94	122	152	197	233	57	73	87	105	117
60 . .	80	102	129	167	200	48	62	75	90	99
61 . .	65	83	108	134	158	38	50	60	73	82
62 . .	49	64	82	106	123	29	39	44	56	64
63 . .	34	43	56	70	78	19	26	32	39	44
64 . .	17	21	30	37	37	10	13	15	20	22

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 3.0 PERCENT
[C] : 2.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	563	719	798	985	1095	354	444	522	582	677
19 . .	562	720	802	997	1108	352	442	502	589	685
20 . .	559	717	801	1010	1122	349	438	500	579	693
21 . .	556	714	799	1000	1116	345	433	497	578	701
22 . .	552	709	796	1002	1130	340	428	492	572	692
23 . .	546	703	792	1001	1126	335	422	486	567	685
24 . .	540	696	786	998	1121	329	416	480	560	680
25 . .	534	689	779	993	1116	323	409	473	552	674
26 . .	526	680	771	986	1108	317	401	465	543	665
27 . .	517	670	763	978	1101	311	393	457	535	655
28 . .	508	659	752	970	1093	304	385	447	525	645
29 . .	499	648	742	960	1084	298	377	438	514	634
30 . .	490	636	730	948	1070	293	368	428	504	623
31 . .	479	623	717	935	1057	285	359	418	492	610
32 . .	469	610	703	921	1042	278	350	408	479	596
33 . .	459	596	689	905	1025	270	342	397	468	582
34 . .	448	582	673	888	1006	264	333	387	454	567
35 . .	437	567	657	872	985	256	324	376	442	552
36 . .	425	551	640	853	962	247	315	365	429	537
37 . .	412	535	623	831	939	241	306	354	416	521
38 . .	400	518	602	807	911	233	297	343	403	505
39 . .	388	501	583	785	882	224	287	332	388	487
40 . .	375	484	562	760	855	217	277	320	377	471
41 . .	361	467	543	736	827	209	268	310	365	455
42 . .	349	450	525	712	797	202	257	299	352	438
43 . .	335	432	507	688	768	194	248	287	341	422
44 . .	322	413	486	663	737	186	237	276	328	405
45 . .	310	395	467	634	707	177	227	264	313	390
46 . .	296	376	447	606	675	168	217	253	301	371
47 . .	282	358	426	578	645	160	207	242	286	354
48 . .	267	340	405	552	611	152	197	229	271	335
49 . .	253	320	384	524	578	143	187	217	258	319
50 . .	238	302	361	492	545	135	177	203	245	303
51 . .	224	284	339	463	513	127	166	191	231	284
52 . .	209	265	318	431	479	118	155	179	215	265
53 . .	194	245	297	401	445	110	144	167	200	243
54 . .	178	226	274	368	412	101	133	155	184	225
55 . .	161	206	249	337	381	93	122	142	168	206
56 . .	145	185	225	305	342	85	111	130	152	186
57 . .	129	165	202	271	309	76	100	116	137	164
58 . .	113	145	180	237	276	67	88	103	122	142
59 . .	97	125	156	203	239	58	75	90	108	121
60 . .	82	105	132	171	204	49	63	76	93	102
61 . .	66	85	110	136	162	39	51	61	75	84
62 . .	50	65	83	107	124	29	39	45	57	65
63 . .	34	44	57	71	79	20	27	32	40	44
64 . .	17	21	30	38	37	10	13	15	20	22

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 3.0 PERCENT
[C] : 3.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	707	905	1013	1267	1411	442	555	651	734	863
19 . .	701	899	1009	1270	1415	436	549	627	735	865
20 . .	694	890	1002	1273	1418	430	541	620	720	866
21 . .	685	880	992	1255	1402	423	532	612	713	867
22 . .	676	869	982	1247	1406	415	523	602	702	853
23 . .	665	857	971	1237	1392	406	513	592	692	839
24 . .	655	844	958	1226	1376	397	503	581	679	828
25 . .	643	830	943	1211	1361	388	492	570	666	815
26 . .	630	814	928	1195	1343	379	481	557	652	799
27 . .	617	798	913	1178	1326	370	469	545	639	784
28 . .	603	781	896	1161	1308	360	457	531	624	767
29 . .	590	764	878	1142	1289	352	445	517	608	750
30 . .	576	746	860	1121	1266	343	433	504	593	733
31 . .	560	728	840	1099	1242	333	421	489	576	714
32 . .	546	709	819	1077	1218	323	408	475	559	695
33 . .	532	689	799	1053	1191	313	397	461	543	675
34 . .	516	669	777	1027	1163	304	384	447	526	655
35 . .	501	649	755	1003	1132	293	372	432	509	635
36 . .	485	628	731	976	1100	283	361	418	492	614
37 . .	468	607	708	946	1068	274	349	403	474	593
38 . .	453	585	682	915	1032	264	336	389	458	572
39 . .	436	563	657	885	994	253	324	375	440	550
40 . .	420	541	631	853	959	243	312	360	425	529
41 . .	403	520	606	822	924	234	300	347	409	509
42 . .	387	499	583	791	886	224	287	333	393	488
43 . .	371	477	561	761	850	215	275	318	378	468
44 . .	355	454	536	730	811	205	262	305	362	446
45 . .	339	432	512	695	775	194	250	290	345	428
46 . .	322	410	488	661	737	184	238	277	330	405
47 . .	306	389	463	628	701	174	225	263	312	385
48 . .	288	367	438	596	661	165	214	248	294	363
49 . .	272	345	413	563	622	155	202	234	279	344
50 . .	255	324	387	527	585	145	190	219	263	324
51 . .	238	302	362	493	547	136	178	204	247	303
52 . .	222	281	337	458	509	126	165	191	229	282
53 . .	204	259	314	423	471	117	153	177	212	258
54 . .	187	237	288	387	434	107	140	164	194	237
55 . .	169	215	261	352	399	98	128	149	176	216
56 . .	151	193	235	318	357	88	116	135	159	194
57 . .	134	171	210	281	321	79	103	120	142	170
58 . .	117	150	186	245	285	69	90	107	126	147
59 . .	100	129	161	209	246	60	77	92	111	124
60 . .	84	107	135	175	209	50	65	78	95	104
61 . .	67	86	112	139	165	40	52	62	76	86
62 . .	51	66	84	109	126	30	40	45	58	66
63 . .	34	44	57	72	79	20	27	33	40	45
64 . .	17	21	30	38	37	10	13	15	20	22

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 5.0 PERCENT
[C] : 0.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	253	319	342	396	434	165	204	245	258	282
19 . .	258	328	354	418	457	167	208	232	272	297
20 . .	263	334	362	441	482	169	210	236	270	313
21 . .	266	340	370	442	487	170	211	239	276	330
22 . .	269	345	377	455	514	170	212	242	278	331
23 . .	272	348	383	466	524	170	212	243	282	334
24 . .	274	351	388	476	533	169	213	244	283	338
25 . .	275	354	392	484	542	168	212	245	283	342
26 . .	275	355	395	490	550	168	211	244	283	343
27 . .	274	356	398	497	559	167	210	244	284	344
28 . .	273	356	400	503	567	165	208	242	283	345
29 . .	274	356	402	508	575	164	206	240	281	345
30 . .	273	355	402	511	579	164	204	238	279	344
31 . .	270	354	402	514	583	162	202	235	276	343
32 . .	269	352	400	516	587	160	200	233	273	340
33 . .	267	349	399	516	588	158	198	230	270	337
34 . .	265	346	397	516	588	156	195	227	266	333
35 . .	262	342	393	516	586	153	193	224	262	329
36 . .	259	338	389	514	582	150	190	220	258	325
37 . .	255	333	384	509	578	149	188	216	253	320
38 . .	252	327	376	502	570	146	184	212	249	314
39 . .	247	321	370	496	559	142	181	209	243	307
40 . .	243	315	362	488	551	139	178	205	240	302
41 . .	237	308	354	480	542	137	174	201	236	296
42 . .	233	301	348	473	530	134	170	197	231	289
43 . .	227	295	342	465	519	131	166	192	228	283
44 . .	222	286	333	456	505	127	161	188	222	276
45 . .	217	277	326	442	493	123	157	182	216	271
46 . .	210	268	317	430	478	118	153	178	211	261
47 . .	204	259	306	417	464	115	148	173	204	253
48 . .	196	250	296	405	446	111	143	166	196	244
49 . .	189	239	285	391	429	106	138	160	190	237
50 . .	181	229	272	373	411	101	133	152	184	228
51 . .	173	219	260	357	393	97	127	145	176	218
52 . .	164	208	248	338	373	92	121	139	167	208
53 . .	155	195	236	319	353	87	114	132	158	193
54 . .	144	183	221	298	332	81	107	125	147	182
55 . .	133	169	204	277	313	76	100	116	136	169
56 . .	121	155	187	255	286	71	92	108	126	156
57 . .	110	140	171	231	262	64	85	98	115	140
58 . .	98	126	155	206	239	58	76	89	105	122
59 . .	85	111	137	179	211	51	66	79	95	106
60 . .	73	94	118	153	184	44	57	69	83	91
61 . .	61	78	100	125	148	36	47	56	68	77
62 . .	47	60	77	100	116	27	37	41	53	61
63 . .	32	41	54	68	75	19	25	31	38	42
64 . .	17	20	29	36	36	10	13	15	19	21

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 5.0 PERCENT
[C] : 1.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	300	380	410	484	532	194	240	287	307	342
19 . .	305	388	422	505	555	195	243	273	320	356
20 . .	309	394	430	527	579	197	245	277	318	372
21 . .	311	399	437	528	584	197	246	280	323	387
22 . .	314	402	443	540	610	197	246	281	325	388
23 . .	316	405	448	550	619	196	246	282	327	389
24 . .	317	407	452	559	626	195	245	282	327	393
25 . .	317	409	455	566	635	193	244	282	327	396
26 . .	316	409	457	570	640	192	242	280	326	396
27 . .	315	408	459	576	648	191	240	279	325	396
28 . .	313	407	459	580	655	188	238	276	323	395
29 . .	312	405	459	583	660	187	235	273	320	393
30 . .	310	403	458	585	662	186	232	270	317	392
31 . .	306	400	456	586	665	183	229	266	313	388
32 . .	304	397	453	586	666	180	226	263	309	384
33 . .	301	393	450	584	664	177	223	259	305	379
34 . .	297	388	445	581	662	175	219	255	299	374
35 . .	293	382	440	580	657	172	216	250	294	369
36 . .	289	376	434	575	650	168	213	246	288	363
37 . .	283	369	428	567	643	165	209	241	282	356
38 . .	279	362	418	558	632	162	205	236	277	349
39 . .	273	354	409	550	619	158	201	231	270	340
40 . .	267	346	399	538	607	154	196	226	265	333
41 . .	261	338	389	528	595	150	192	222	260	326
42 . .	255	330	381	518	580	147	186	216	254	317
43 . .	248	321	373	508	567	143	182	210	249	310
44 . .	242	310	363	496	550	139	176	205	243	301
45 . .	235	300	353	479	535	133	171	198	235	294
46 . .	227	289	342	464	517	128	165	193	229	283
47 . .	220	279	330	449	500	124	159	187	220	273
48 . .	210	268	318	434	479	119	154	178	211	262
49 . .	202	255	305	418	459	113	148	172	204	253
50 . .	193	244	290	397	438	108	142	162	196	243
51 . .	183	232	276	378	417	103	135	155	187	232
52 . .	173	219	262	357	395	97	128	147	177	219
53 . .	163	205	248	336	372	92	120	139	166	203
54 . .	151	192	232	313	349	86	112	131	155	191
55 . .	139	177	213	290	327	80	104	121	143	177
56 . .	126	162	195	266	297	74	96	112	131	162
57 . .	114	145	178	239	272	67	88	102	120	145
58 . .	101	130	160	212	247	60	78	92	108	127
59 . .	88	114	141	184	217	53	68	81	97	109
60 . .	75	96	121	157	188	45	58	70	85	93
61 . .	62	79	102	127	151	36	48	57	70	78
62 . .	47	61	79	102	118	28	37	42	54	61
63 . .	33	42	54	68	76	19	26	31	38	43
64 . .	17	21	29	37	36	10	13	15	19	21

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 5.0 PERCENT
[C] : 2.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	360	458	499	597	659	231	287	340	370	418
19 . .	364	464	509	617	681	232	289	326	382	432
20 . .	367	469	516	638	704	232	290	329	378	446
21 . .	369	472	521	637	707	232	289	330	382	460
22 . .	370	474	526	648	731	231	289	331	383	459
23 . .	370	476	529	656	738	229	287	330	384	459
24 . .	370	476	531	663	743	227	286	329	382	461
25 . .	369	476	532	668	749	224	284	328	380	462
26 . .	367	474	533	670	753	222	281	325	378	461
27 . .	364	472	532	673	758	220	277	322	376	459
28 . .	360	469	530	675	762	217	273	318	372	456
29 . .	358	465	528	676	764	214	270	313	368	452
30 . .	354	461	525	674	763	212	265	309	363	449
31 . .	349	456	521	672	762	209	261	304	357	443
32 . .	345	450	515	670	760	205	257	299	351	437
33 . .	341	444	510	665	755	201	253	294	345	430
34 . .	335	437	503	659	749	198	248	288	338	423
35 . .	330	429	496	654	741	193	243	282	331	415
36 . .	324	421	487	646	730	188	239	276	324	407
37 . .	317	412	478	635	719	185	234	270	316	399
38 . .	310	402	465	623	704	180	229	264	310	389
39 . .	303	393	454	611	687	175	223	258	300	379
40 . .	296	382	442	596	672	170	217	251	294	369
41 . .	287	372	430	583	656	166	212	245	287	360
42 . .	280	361	419	569	638	161	205	238	280	349
43 . .	271	351	409	556	620	157	199	230	273	340
44 . .	263	338	396	541	600	151	192	224	265	329
45 . .	255	325	384	521	581	145	186	216	256	320
46 . .	246	313	371	503	560	139	179	209	248	306
47 . .	237	300	356	484	539	134	172	202	238	295
48 . .	226	287	341	466	515	128	166	192	228	282
49 . .	216	273	327	447	491	122	158	184	219	271
50 . .	205	260	310	423	468	116	151	174	209	260
51 . .	194	246	293	402	444	110	144	165	199	246
52 . .	183	232	277	378	418	103	135	156	188	232
53 . .	171	216	262	354	392	97	127	147	176	215
54 . .	159	201	244	328	366	90	118	138	163	201
55 . .	145	185	223	303	342	83	109	127	150	185
56 . .	131	168	204	277	310	77	100	117	137	169
57 . .	118	151	185	248	282	69	91	106	125	150
58 . .	104	134	166	219	255	62	81	95	112	131
59 . .	90	117	145	189	223	54	70	84	100	112
60 . .	77	98	124	161	193	46	59	72	87	95
61 . .	63	81	104	130	154	37	49	58	71	80
62 . .	48	62	80	103	120	28	38	43	54	62
63 . .	33	42	55	69	76	19	26	31	39	43
64 . .	17	21	29	37	37	10	13	15	19	22

TABLE 1 LIFETIME EARNINGS OF WORKERS 18 - 64 YEARS OLD: SELECTED CHARACTERISTICS, BY AGE, SELECTED REAL INCOME GROWTH RATES, AND SELECTED DISCOUNT RATES (IN 1981 DOLLARS. NUMBERS IN THOUSANDS.)
[A] WORKERS : [B] AGE : [C] REAL INCOME GROWTH RATE : [D] DISCOUNT RATE

[D] : 5.0 PERCENT
[C] : 3.0 PERCENT

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS	LESS THAN 12 YEARS	H. S. 4 YEARS	COLLEGE 1-3 YEARS	COLLEGE 4 YEARS	COLLEGE 5+ YEARS
18 . .	438	558	614	745	825	278	347	410	451	517
19 . .	440	563	621	763	845	278	348	394	462	529
20 . .	441	565	626	781	865	277	347	395	456	541
21 . .	441	566	629	777	865	276	345	395	458	553
22 . .	441	566	631	785	886	273	343	393	456	550
23 . .	439	564	632	790	889	270	340	391	455	547
24 . .	437	562	631	794	891	266	336	388	452	547
25 . .	433	560	629	795	893	263	333	385	447	545
26 . .	429	555	626	794	892	260	328	380	443	541
27 . .	424	550	623	793	893	256	323	375	438	536
28 . .	419	544	618	792	893	251	318	369	432	531
29 . .	414	538	613	788	891	247	312	363	426	524
30 . .	408	531	607	783	885	244	306	356	419	518
31 . .	401	523	599	777	880	239	300	349	411	510
32 . .	395	514	590	770	873	234	294	343	402	501
33 . .	388	505	582	761	863	229	288	335	394	491
34 . .	381	495	572	751	852	224	282	328	385	481
35 . .	373	485	561	742	839	218	276	320	376	470
36 . .	364	474	549	730	824	212	270	312	366	459
37 . .	355	462	536	715	808	207	263	304	357	448
38 . .	347	449	521	698	788	201	256	296	348	436
39 . .	337	437	506	682	766	195	249	288	336	423
40 . .	328	424	491	663	746	189	242	279	328	411
41 . .	318	411	476	646	726	184	235	272	319	399
42 . .	308	397	462	628	703	178	227	263	309	386
43 . .	297	384	449	610	681	172	219	254	301	373
44 . .	288	369	433	591	656	165	211	245	291	360
45 . .	277	354	418	567	633	158	203	235	279	349
46 . .	266	339	402	545	607	151	195	227	270	333
47 . .	255	324	385	523	583	145	187	218	258	319
48 . .	243	309	367	501	554	138	179	207	246	304
49 . .	231	293	350	478	527	131	170	198	235	291
50 . .	219	278	331	452	500	124	162	186	224	277
51 . .	206	262	312	427	472	117	153	175	212	262
52 . .	194	245	294	400	443	109	144	165	199	246
53 . .	180	228	276	373	414	102	134	155	186	226
54 . .	166	211	256	344	385	95	124	145	172	211
55 . .	152	193	234	316	358	87	114	133	157	193
56 . .	137	175	212	288	323	80	105	122	143	176
57 . .	123	156	192	257	293	72	94	110	129	156
58 . .	108	138	171	227	263	64	83	98	116	135
59 . .	93	120	150	195	230	56	72	86	103	116
60 . .	79	101	127	165	197	47	61	74	89	98
61 . .	64	82	106	132	156	38	50	59	72	81
62 . .	49	63	81	105	121	28	38	43	55	63
63 . .	33	43	56	70	77	19	26	32	39	44
64 . .	17	21	29	37	37	10	13	15	19	22

TABLE 1 MEAN EARNINGS OF PERSONS 18 - 64 YEARS OLD, BY EDUCATIONAL ATTAINMENT, SEX, AGE, AND WORK EXPERIENCE
(IN 1981 DOLLARS)
[A] EDUCATION AND SEX : [B] AGE : [C] WORK EXPERIENCE

[C] : ALL WORKERS

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
			COLLEGE					COLLEGE		
	LESS THAN HIGH SCHOOL 12 YEARS	4 YEARS	1-3 YEARS	4 YEARS	5 YEARS OR MORE	LESS THAN HIGH SCHOOL 12 YEARS	4 YEARS	1-3 YEARS	4 YEARS	5 YEARS OR MORE
18 . .	2948	4344	5983	0	0	2121	3121	4824	3475	0
19 . .	5404	6511	3996	0	0	2808	4735	2996	16319	0
20 . .	6943	9075	4893	7007	11355	3678	6615	3788	5734	0
21 . .	7582	11089	6300	5826	12252	4203	7232	5123	5844	16289
22 . .	9054	12377	8321	6709	7297	4806	7616	6657	6087	4755
23 . .	10280	13247	11575	10258	8726	5105	7863	8349	9846	6889
24 . .	10843	14219	13549	14599	10736	4779	8195	9770	11491	9443
25 . .	12329	15993	14807	17310	14181	5051	8547	10401	11832	12725
26 . .	12649	16076	15766	17587	15400	5719	8746	9930	12376	13643
27 . .	13035	16883	17389	18849	17834	6289	8592	10323	12624	14036
28 . .	12351	17366	18038	20694	20679	5691	8657	10395	12724	14651
29 . .	14045	18039	18935	22600	23779	5418	9035	9946	12180	14268
30 . .	13924	18449	19959	22749	24392	5791	8979	10493	13144	15101
31 . .	13412	19255	20891	23625	25779	6433	8527	10139	12912	15779
32 . .	13527	19681	21268	26025	28960	6598	8385	10741	11850	15696
33 . .	14902	20979	22565	27729	30114	5873	8761	10637	12891	16120
34 . .	14319	21486	23040	26001	32821	7044	8688	11001	11718	16019
35 . .	16018	21157	24510	28468	34663	6792	8637	10118	11895	16580
36 . .	16160	22129	24123	32460	35148	6467	8961	10488	11720	17123
37 . .	15340	22876	27265	32940	38075	7076	8292	10954	11316	17581
38 . .	16293	22189	25761	32147	39759	7371	8887	10483	14325	18463
39 . .	15711	22693	26677	34683	36990	6794	9545	10466	11771	17391
40 . .	16418	22248	26325	32939	38685	7329	9518	10538	11858	17348
41 . .	15428	22416	24322	33025	39884	6790	9783	10995	12973	17326
42 . .	16458	22392	24437	33426	39369	6930	9370	11361	11165	17904
43 . .	16316	23264	25805	33723	40480	6894	9539	9905	12846	18121
44 . .	15783	23705	25070	38037	38828	7864	9567	11556	12546	15218
45 . .	16522	22794	25666	35384	39825	7480	9538	10986	12670	21734
46 . .	16555	22907	26467	36243	39979	7160	9644	10743	13740	19847
47 . .	18099	22858	26937	34868	43900	7285	9271	11386	13470	20431
48 . .	17009	23759	25870	36097	42594	7656	9911	10213	12613	17911
49 . .	17236	22594	27974	38423	41159	7406	9564	12214	12031	17781
50 . .	17062	22827	27751	36413	40141	6978	9668	12244	13129	19290
51 . .	16888	23174	26367	39041	41662	7447	10077	10801	14007	19475
52 . .	17541	23525	25695	39009	42629	6914	9798	11058	13368	20912
53 . .	17554	22573	26466	39430	40494	7330	9335	10644	13341	18856
54 . .	17840	23185	28088	37671	38821	7223	9971	12108	14220	18612
55 . .	17698	23030	27940	36239	44877	7247	9439	11372	14221	20276
56 . .	16573	22937	28042	38435	39928	7665	9906	13080	13580	20323
57 . .	16671	22081	26853	37392	38154	7220	10550	11193	13527	19169
58 . .	16664	21490	25575	37273	39157	6908	10352	11286	11906	19384
59 . .	16457	22148	26686	34148	38962	7335	9993	11694	12423	18157
60 . .	15417	20870	23277	35606	43524	7400	9930	13326	14508	15780
61 . .	15424	20209	26874	31238	38744	7043	10504	14397	13778	15977
62 . .	14155	19355	23476	34026	43154	6591	9047	8596	11707	17859
63 . .	13274	18556	23970	30044	36505	5950	9687	11224	13498	17338
64 . .	13467	17599	23773	32892	31896	6219	7985	10795	12026	15332

TABLE 1 MEAN EARNINGS OF PERSONS 18 - 64 YEARS OLD, BY EDUCATIONAL ATTAINMENT, SEX, AGE, AND WORK EXPERIENCE
(IN 1981 DOLLARS)
[A] EDUCATION AND SEX : [B] AGE : [C] WORK EXPERIENCE

[C] : YEAR-ROUND FULL-TIME WORKERS

	EDUCATIONAL ATTAINMENT AND SEX									
	MALES					FEMALES				
			COLLEGE					COLLEGE		
	LESS THAN HIGH SCHOOL 12 YEARS	4 YEARS	1-3 YEARS	4 YEARS	5 YEARS OR MORE	LESS THAN HIGH SCHOOL 12 YEARS	4 YEARS	1-3 YEARS	4 YEARS	5 YEARS OR MORE
18 . .	8045	8849	6777	0	0	6653	7132	25574	0	0
19 . .	9513	11330	10566	0	0	6801	8948	8240	16539	0
20 . .	10942	12566	12149	22554	21110	8086	9840	9144	8144	0
21 . .	11212	14148	13200	11375	0	9063	10362	10501	12370	16289
22 . .	12373	15065	14492	13846	18123	9329	10833	11392	11695	15066
23 . .	13055	15869	16107	15348	20211	9904	11098	11725	13956	13220
24 . .	13876	16427	17363	18344	19306	9627	11595	12648	14626	14285
25 . .	14680	18320	17914	20266	22497	9421	12431	13535	14759	16879
26 . .	15506	18509	18449	20113	20560	9790	12847	13836	14911	17180
27 . .	16009	19255	20055	20707	22158	10633	12679	14671	16105	18021
28 . .	14804	19718	20380	22703	23418	9603	12763	14981	16759	18537
29 . .	15835	20286	21073	24209	27175	8936	13366	14580	16798	18791
30 . .	17539	20677	22625	25110	27046	10674	13181	15489	17840	20019
31 . .	15800	21234	23006	25528	28226	10956	13019	14766	17967	21056
32 . .	15987	21553	23193	28013	31093	10733	12630	15501	17433	21550
33 . .	17185	22182	24272	28901	31731	9727	13094	15397	18930	21817
34 . .	17106	23059	24803	27259	34163	11500	12888	15597	18212	21390
35 . .	17762	22827	26167	30340	36120	11219	12608	15357	18221	22203
36 . .	18037	23799	25800	33549	36136	9902	12977	15583	18529	22207
37 . .	17388	24283	29206	34797	40113	10845	13248	15583	17407	22947
38 . .	18314	23723	27506	33720	41951	11147	13021	15020	19826	23762
39 . .	18038	24284	28338	35978	39459	10647	13517	15525	16164	21944
40 . .	18851	23750	27765	34500	39586	10212	13154	14345	17204	22326
41 . .	18041	24050	25803	34809	41974	10117	13753	15290	17385	22878
42 . .	18487	23767	25858	34096	40700	10144	13032	15959	16122	21832
43 . .	17919	25550	27702	35333	43197	11172	13734	14488	17606	22842
44 . .	17818	25257	26783	39638	40826	11714	13283	16137	18840	20212
45 . .	18916	24517	27410	37641	43107	10977	13066	14130	16377	24737
46 . .	18320	24369	28527	37833	41226	10139	13445	15035	19039	22450
47 . .	20025	24381	28464	36453	45188	10326	12990	16849	19154	23390
48 . .	18919	25245	27928	37545	43625	11158	13047	14813	17021	20980
49 . .	18750	23842	29784	40918	43058	10516	12807	17058	17264	21402
50 . .	19163	24224	28983	38573	42688	10207	13477	15537	17749	22931
51 . .	19157	24615	27835	40509	43812	10563	13576	14807	19253	23354
52 . .	19768	25491	27462	39725	43382	10065	13713	15012	18915	26319
53 . .	19753	24166	28937	40653	42430	10678	13417	14498	19335	22174
54 . .	20381	24862	31009	39633	40015	10143	13377	15938	19648	23415
55 . .	20053	24838	29302	39152	47166	9850	13204	14850	18789	22956
56 . .	18959	24843	27958	40747	41465	10376	13166	16164	17556	25581
57 . .	19076	23581	27348	40072	40180	10075	13932	14852	17375	25284
58 . .	19089	23443	28090	40181	43455	10130	13918	15176	16281	23770
59 . .	17720	23975	28492	37537	41335	10724	13562	15066	17423	21465
60 . .	17628	22543	25580	39057	48284	10706	12937	16826	19508	19583
61 . .	17829	22418	29551	32771	41409	10554	13311	17943	19603	20736
62 . .	17501	22778	28543	39136	48882	10145	13398	12948	18155	21815
63 . .	17578	23512	28027	35015	43251	9920	14144	18079	20924	23276
64 . .	17690	21801	31000	38930	38575	10382	13298	15400	20172	22632