TRANSACTIONS OF SOCIETY OF ACTUARIES 1954 REPORTS

TRANSACTIONS

1954 REPORTS OF MORTALITY AND MORBIDITY EXPERIENCE

REPORTS OF THE COMMITTEE ON MORTALITY UNDER ORDINARY INSURANCES AND ANNUITIES

I. MORTALITY UNDER STANDARD ORDINARY INSURANCE ISSUES BETWEEN 1952 AND 1953 ANNIVERSARIES

Ordinary insurance issues between 1952 and 1953 anniversaries. It takes up in turn the mortality experienced under

- 1. Standard Ordinary insurance issued subject to a medical examination, during each of the first fifteen policy years,
- 2. Standard Ordinary insurance issued without a medical examination, during each of the first fifteen policy years, and
- Standard Ordinary insurance—medical and nonmedical issues combined during the sixteenth and subsequent policy years.

The names of the contributing companies and their proportionate contributions to the total exposures are given in Table A of the Appendix.

EXPERIENCE UNDER STANDARD MEDICALLY EXAMINED ISSUES DURING THE FIRST FIFTEEN YEARS OF INSURANCE

The current experience during the first fifteen years of insurance is based on an exposure of \$46,591,633,000 and actual claims of \$155,676,000, excluding war deaths. There were 392 policies representing \$1,382,000 in claims reported as deaths in the Korean War during this period.

Expected deaths were calculated on the 1946–49 Select Basic Table (TSA II, 506). The mortality ratios on this table, both excluding and including war deaths, are presented in Table 1 by age groups at issue for all years of issue combined. The experience by year of issue (or by policy year) for all ages at issue combined is presented in Table 2. The detailed experience by age groups at issue for each year of issue (or each policy year) is set forth in Table B of the Appendix.

The aggregate mortality ratio, excluding war deaths, for the period from 1952 to 1953 anniversaries (91.9%) was slightly lower than that (93.2%) for the period from 1951 to 1952 anniversaries.

When war deaths are included the aggregate mortality ratio for the period from 1952 to 1953 anniversaries is increased by .9 of a percentage point (from 91.9% to 92.8%). About 70% of the total amount of war claims was paid on policies issued at ages 10-24. The inclusion of war deaths increased the mortality ratios as follows:

14.5 percentage points for the age group 10-14 at issue,
16.3 percentage points for the age group 15-19 at issue,
9.9 percentage points for the age group 20-24 at issue, and
2.2 percentage points for the age group 25-29 at issue.

TABLE 1
STANDARD MEDICALLY EXAMINED ISSUES OF 1938 TO 1952
EXPERIENCE BETWEEN 1952 AND 1953 ANNIVERSARIES
BY AGE AT ISSUE

POLICY YEARS 1 TO 15 COMBINED (Amounts Shown in \$1,000 Units)

Ages at	Exposed	ACTUAL I	DEATHS	EXPECTED DEATHS ON 1946-1949	MORTALITY RATIO		
Issue	Issue to Risk		War Deaths	SELECT BASIC TABLE	Excluding War Deaths	Including War Deaths	
10-14	\$ 1,006,041	\$ 955	\$ 135	\$ 931	102.6%	117.1%	
15–19	1,983,625	2,114	349	2,138	98.9	115.2	
20-24	4,436,599	4,466	476	4,857	91.9	101.8	
25-29	7,363,858	8,568	218	9,933	86.3	88.5	
30-34	9,020,602	16,303	144	17,178	94.9	95.7	
35–39	8,646,492	24,462	60	26,412	92.6	92.8	
40-44	6,732,012	29,145	0	31,853	91.5	91.5	
45-49	4,132,262	29,079	0	31,506	92.3	92.3	
50-54	2,137,476	22,318	0	23,812	93.7	93.7	
55-59	857,955	12,341	0	13,687	90, 2	90.2	
60-64	230,949	4,464	0	5,537	80.6	80.6	
65 & over.	43,762	1,461	0	1,468	99.5	99.5	
All Ages	\$46,591,633	\$155,676	\$1,382	\$169,312	91.9%	92.8%	

At ages 30 and over at issue, war deaths were negligible. This parallels the experience with Korean War deaths in earlier periods and indicates the extent to which war deaths have been concentrated at ages under 30 at issue.

Table 2 reveals no clear-cut differences in mortality by year of issue (or by policy year). Nearly 65% of the total amount of war claims on the 15 years of issue covered by the study was paid on the issues of 1948-1952,

inclusive. The inclusion of war deaths increased the mortality ratios as follows:

- 1.4 percentage points for the issues of 1952,
- 3.0 percentage points for the issues of 1951,
- 2.9 percentage points for the issues of 1950,
- 1.4 percentage points for the issues of 1949, and
- 1.2 percentage points for the issues of 1948.

TABLE 2

STANDARD MEDICALLY EXAMINED ISSUES OF 1938 TO 1952 EXPERIENCE BETWEEN 1952 AND 1953 ANNIVERSARIES BY YEAR OF ISSUE

ALL AGES COMBINED
(Amounts Shown in \$1,000 Units)

			ACTUAL 1	DEATHS	Expected Deaths on	MORTALITY RATIO		
YEAR OF POLICY ISSUE YEAR		Exposed to Risk	Excluding War Deaths	War Deaths	1946-1949 SELECT BASIC TABLE	Excluding War Deaths	Including War Deaths	
1938	15	\$ 2,009,047	\$ 13,182	\$ 32	\$ 16,023	82.3%	82.5%	
1939		1,733,394	10,700	28	11,944	89.6	89.8	
1940	13	1,984,933	10,810	31	12,042	89.8	90.0	
1941	12	2,458,975	12,530	46	13,386	93.6	93.9	
1942	11	1,768,216	8,872	35	9,661	91.8	92.2	
1943	10	2,046,336	11,464	30	11,141	102.9	103.2	
1944	9	2,360,420	11,097	34	12,023	92.3	92.6	
1945	9 8	2,626,019	11,167	56	11,902	93.8	94.3	
1946	7	3,935,753	11,849	125	13,398	88.4	89.4	
1947	6	3,834,369	11,749	79	12,915	91.0	91.6	
1948	6 5	3,574,670	9,876	129	10,791	91.5	92.7	
1949		3,824,716	8,929	137	9,720	91.9	93.3	
1950	4 3	4,669,700	9,384	288	9,938	94.4	97.3	
1951	2	4,469,029	7,521	241	7,958	94.5	97.5	
1952	1	5,296,056	6,546	91	6,470	101.2	102.6	
All Years of								
Issue		\$46,591,633	\$155,676	\$1,382	\$169,312	91.9%	92.8%	

For no other year of issue was the mortality ratio increased by more than 1.0 percentage point on account of inclusion of war deaths. This gives some indication of the extent to which war deaths were concentrated on recently issued policies.

Table 3 presents an analysis of the current experience on medical issues according to the major subdivisions by cause of death based on the Committee's 1950 Code for Cause of Death (TSA I, 617). This table shows the

percentage distribution by cause of death of amounts paid in claims; the corresponding percentage distribution by cause of death of the numbers of claims paid was not significantly different.

EXPERIENCE UNDER STANDARD NONMEDICAL ISSUES DURING THE FIRST FIFTEEN YEARS OF INSURANCE

The current experience during the first fifteen years of insurance is based on an exposure of \$11,231,408,000 and actual claims of \$14,801,000,

TABLE 3
STANDARD MEDICALLY EXAMINED ISSUES OF 1938 TO 1952
EXPERIENCE (INCLUDING WAR DEATHS) BETWEEN 1952 AND 1953 ANNIVERSARIES

PERCENTAGE DISTRIBUTION BY CAUSE OF DEATH OF AMOUNTS PAID IN CLAIMS

Uguse of Death	Tuber- cu- losis (All Forms)	Malig- nant Neo- plasms	Dia- betes Mel- litus		Dis- eases of the Heart and Circu- latory System	Pneu- monia and In- fluenza	Acci- dents and Homi- cide	Sui- cide	War Deaths	All Other Causes and Un- known
Committee's 1950 Code:	01, 02	18-33	37	42	49-55	56-59	88-96, 98	97	99	Resid- ual
Ages 10-29 at issue Policy Years 1-5 Policy Years 6-15 Policy Years 1-15	1% 7	11.4% 15.2 13.8	.5% 4 .4	1.5% 2.8 2.3	7.7% 19.7 15.5	2 .00°° 1 .2 1 .5	47.0% 29.8 35.9	4.0% 7.1 6.0	11 9% 4.0 6 8	13.9% 19.1 17.3
Ages 30-39 at issue Policy Years 1-5 Policy Years 6-15 Policy Years 1-15	. 4 . 5 . 5	17.6 19.4 18.9	.3	2.2 4.3 3.8	25.1 42.7 38.2	.7 .9 .9	26.0 9.8 13.9	8.2 4.9 5.8	1 5 .2 .5	18.0 16.8 17.1
Ages 40-49 at issue Policy Years 1-5 Policy Years 6-15 Policy Years 1-15	.2 .3 .3	19.2 21.4 20.9	.0	3.4 6.0 5.4	48.2 49.0 48.8	6 .7 .7	11.2 6.1 7.3	4.1 3.1 3.3	0 0 .0	13.1 13.0 13.0
Ages 50 and over at issue Policy Years 1-5 Policy Years 6-15 Policy Years 1-15		25.4 23.8 24.3	2 7 6	3.8 7.3 6.3	50.2 47.4 48.2	1.5 1.3 1.4	5.7 3.2 3.9	3.0 1.3 1.8	.0	9.8 14.4 13.0
All Ages at issue Policy Years 1-5 Policy Years 6-15 Policy Years 1-15	.3	19.4 20.8 20.5	.5 .4	3 0 5.6 4.9	37.4 44.0 42.2	1.1 1.0 1.0	18.3 8.7 11.3	4.8 3.5 3.8	2.0 .4 .9	13.5 15.0 14.6

excluding war deaths. There were 378 policies representing \$778,000 in claims reported as deaths in the Korean War during this period.

It should be noted that nonmedical business has continued to grow in importance. Thus the exposures on nonmedical issues in the current study increased 14.2% over those in the study covering the period from 1951 to 1952 anniversaries, whereas the corresponding exposures on medical issues

increased only 3.6%. For the 16 companies contributing to this study, nonmedical insurance accounted for approximately 28.9% of the standard issues of 1952 (by amounts) as compared with 28.6% and 19.9% of the standard issues of 1951 and 1950 respectively.

Expected deaths were calculated on the 1946–49 Select Basic Table (TSA II, 506), which was based on the experience under medical issues. The mortality ratios for nonmedical business on this table, both excluding and including war deaths, are presented in Table 4, by age groups at issue

TABLE 4
STANDARD NONMEDICAL ISSUES OF 1938 TO 1952
EXPERIENCE BETWEEN 1952 AND 1953 ANNIVERSARIES
BY AGE AT ISSUE
POLICY YEARS 1 TO 15 COMBINED

(Amounts Shown in \$1,000 Units)

;		ACTUAL I	EATHS	EXPECTED	MORTALITY RATIO*		
AGES AT ISSUE	Exposed to Risk	Excluding War Deaths	War Deaths	DEATHS* ON 1946-1949 SELECT BASIC TABLE	Excluding War Deaths	Including War Deaths	
10-14. 15-19. 20-24. 25-29. 30-34. 35-39. 40-44. 45-49. 50 and over.	\$ 622,233 1,981,913 2,950,865 2,606,423 1,695,691 935,012 346,109 77,106 16,056	\$ 520 1,916 2,655 2,509 2,646 2,341 1,584 533 97	\$ 53 278 343 85 17 2 0	\$ 486 1,939 2,781 2,899 2,655 2,440 1,477 501 152	107.0% 98.8 95.5 86.5 99.7 95.9 107.2 106.4 63.8	117.9% 113.2 107.8 89.5 100.3 96.0 107.2 106.4 63.8	
All Ages	\$11,231,408	\$14,801	\$778	\$15,330	96.5%	101.6%	

^{*} Not adjusted for distribution of exposures by age within each five year age group at issue.

for all years of issue combined. These mortality ratios understate the death rates on nonmedical business because in calculating the expected deaths no adjustment was made for the fact that the central ages of the exposures under nonmedical issues for issue age groups 35-39, 40-44, 45-49 and 50-54 were younger than the central ages of the mortality rates for these age groups in the 1946-49 Select Basic Table; this situation arose from the limiting ages for nonmedical issues of the contributing companies being variously set at 35, 40, 45 or 50, so that the exposures beyond these ages tended to fall off sharply. The mortality ratios on nonmedical business by year of issue (or by policy year) are presented in Table 5, also on this unadjusted basis. The details of the unadjusted experience by age

groups at issue for each year of issue (or each policy year) are set forth in Table C of the Appendix.

Table 4 brings out that, with war deaths excluded, nonmedical mortality was above the 1946-49 Select Basic Table at ages 40 and over at issue. For all durations combined, nonmedical mortality was higher than that on medical business in all age groups at issue except 15-19, and ages 50 and over (where the nonmedical exposure was very small).

The extent to which Table 4 understates the true mortality on non-medical business is brought out by the figures shown below.

The unadjusted mortality ratios understate the true mortality on non-medical business to a significant degree only for age groups 40-44 and

MORTALITY RATIOS ON NONMEDICAL ISSUES OF 1938 TO 1952 EXPERIENCE BETWEEN 1952 AND 1953 ANNIVERSARIES BY AGE AT ISSUE

Policy Years 1-15 Combined

AGES AT	MORTALIT Excluding V		MORTALITY KATIOS ENCLUDING WAR DEATHS			
ISSUE	Unadjusted	Adjusted*	Unadjusted	Adjusted*		
35-39	95.9%	96.0%	96.0%	96.1%		
40-44	107.2	112.0	107.2	112.0		
45-49	106.4	112.7	106.4	112.7		
50 and over.	63.8	65.5	63.8	65.5		
All Ages	96.5%	97.1%	101.6%	102.2%		

^{*} For distribution of exposures by age within each five year age group at issue.

45-49 at issue. The nonmedical business issued at ages 50 and over represents primarily business issued under special circumstances (as for instance under salary allotment plans) which do not affect the distribution of the exposures by age within each five year age group at issue.

Allowing for the understatement of the mortality ratios on nonmedical business issued at ages 40-44 and 45-49 as shown in Table 4, it appears that the mortality ratios on nonmedical business did not exceed those on medical business by as many as 5 percentage points at issue ages under 40, but were approximately 20 percentage points higher at issue ages 40-49.

The aggregate mortality ratio on nonmedical business, excluding war deaths, for the period from 1952 to 1953 anniversaries (96.5%) was 2.7 percentage points lower than that (99.2%) for the period from 1951 to 1952 anniversaries, both on an unadjusted basis. When war deaths are included, the current aggregate mortality ratio on nonmedical business is

increased by 5.1 percentage points (from 96.5% to 101.6%) on an unadjusted basis. Over 85% of the total amount of war claims was paid on policies issued at ages 10-24. The inclusion of war deaths increased the mortality ratios as follows:

- 10.9 percentage points for the age group 10-14 at issue,
- 14.4 percentage points for the age group 15-19 at issue,
- 12.3 percentage points for the age group 20-24 at issue, and
- 3.0 percentage points for the age group 25-29 at issue.

TABLE 5

STANDARD NONMEDICAL ISSUES OF 1938 TO 1952 EXPERIENCE BETWEEN 1952 AND 1953 ANNIVERSARIES BY YEAR OF ISSUE

ALL AGES COMBINED
(Amounts Shown in \$1,000 Units)

			Exposed	ACTUAL DEATHS				EXPECTED DEATHS* ON 1946- 1949 SELECT BASIC TABLE		MORTALITY RATIO*		
YEAR OF ISSUE	Policy Year		TO RISK		Excluding War Deaths		Excluding War Deaths			Including War Deaths		
1938	15	\$	211,232	\$	666	\$	7	\$	751	88.7%	89.6%	
1939	14	1	222,861	•	659	1	5	_	684	96.3	97.1	
1940	13		252,143		653		3		666	98.0	98.5	
1941	12		306,062		746		2		701	106.4	106.7	
1942	11		257,490		609		7		571	106.7	107.9	
1943	10	1	452,063]	913		19		908	100.6	102.6	
1944	9		505,326	İ	919		28		959	95.8	98.7	
1945	8 7		549,240		872		31		971	89.8	93.0	
1946	7		1,020,295		1,332		45	:	1,479	90.1	93.1	
1947	6 5		875,862	l	1,200		56	:	1,254	95.7	100.2	
1948	5		774,079	1	904		87	1	1,043	86.7	95.0	
1949	4 3		864,312		996	1	84	:	1,049	94.9	103.0	
1950	3		1,114,382		1,284	1	42		1,216	105.6	117.3	
1951	2	Ì	1,676,912		1,357] 1	.56		1,547	87.7	97.8	
1952	1		2,149,149		1,691	_ 1	.06		1,531	110.5	117.4	
All Years of Issue		\$1	1,231,408	\$1	4,801	\$7	78	\$1.	5,330	96.5%	101.6%	

^{*} Not adjusted for distribution of exposures by age within each five year age group at issue.

In the age group 30-34 at issue, war deaths accounted for .6% of the claims. There was only one war death reported at older ages. This emphasizes again the extent to which war deaths have been concentrated at ages under 30 at issue.

Table 5 reveals no clear-cut differences in nonmedical mortality by duration. Nearly 75% of the total amount of war claims paid on the fifteen years' issues covered by this study was paid on the issues of 1948 to 1952

inclusive. The inclusion of war deaths increased the mortality ratios as follows:

- 6.9 percentage points for the issues of 1952,
- 10.1 percentage points for the issues of 1951,
- 11.7 percentage points for the issues of 1950,
 - 8.1 percentage points for the issues of 1949, and
 - 8.3 percentage points for the issues of 1948.

On the issues of 1943 and earlier years, the inclusion of war deaths did not increase any of the mortality ratios by more than 2.0 percentage points. This gives some indication of the extent to which war deaths have been concentrated on recently issued nonmedical policies. Adjustment of the mortality ratios shown in this table so that they would correspond to the distribution of nonmedical exposures by age within each five year age group at issue would not increase the mortality shown for any year of issue by more than one percentage point.

Table 6 presents an analysis of the current experience on nonmedica:

TABLE 6

STANDARD NONMEDICAL ISSUES OF 1938 TO 1952 EXPERIENCE (INCLUDING WAR DEATHS) BE-TWEEN 1952 AND 1953 ANNIVERSARIES

PERCENTAGE DISTRIBUTION BY CAUSE OF DEATH OF AMOUNTS PAID IN CLAIMS

Cause of Death:	Tuber- cu- losis (All Forms)	Malig- nant Neo- plasms	Dia- betes Mel- litus	Vascu- lar Le- sions Affect- ing Central Nerv- ous System	Diseases of the Heart and Circulatory System	Pneu- monia and In- fluen- za	Acci- dents and Homi- cide	Sui- cide	War Deaths	All Other Causes and Un- known
Committee's 1950 Code:	01, 02	18- 33	37	42	49-55	56-59	88 96, 98	97	99	Resid- ual
Ages 10-29 at issue Policy Years 1-5. Policy Years 6-15. Policy Years 1-15.	1.2 9	8.0% 14.7 11.2	2% .6 .4	1.3% 2.8 2.0	4.8% 16.7 10.4	8% 1.8 1.3	48.0% 29.8 39.4	2 9% 4.2 3.5	12.7% 5.1 9.1	20.8% 23.1 21.9
Ages 30-39 at issue Policy Years 1-5 Policy Years 6-15 Policy Years 1-15	7 1.1 1.0	14.9 18.0 17.0	.3 .7 .5	2.1 4.0 3.4	25.7 39.5 34.9	1.7 1.4 1.5	29.8 10 0 16 6	3.5 4.6 4.2	1.0	20.3 20.6 20.5
Ages 40-49 at issue Policy Years 1-5 Policy Years 6-15. Policy Years 1-15	. 2 . 9 . 7	18.3 15.6 16.5	.3 .9 .7	5.4 7.9 7.0	49.1 50.9 50.3	. 8 . 9 . 9	7.9 4.2 5.4	5.0 1.7 2.8	.0 .0 .0	13.0 17.0 15.7
Age 50 and over at issue Policy Years 1-5 Policy Years 6-15 Policy Years 1-15	0 .0 .0	22.7 22.7 22.7	.0 .0 .0	2.5 6.2 4.4	58.0 44.2 51.0	.0 2.1 1.0	5.3 15.5 10.5	.0	.0 .0 .0	11 5 9.3 10.4
All Ages at issue Policy Years 1-5 Policy Years 6-15 Policy Years 1-15	.5 1.1 .8	10.8 16.2 13.8	.3	1.9 4.1 3.2	14.7 31.1 24.0	1.0 1.5 1.3	39.2 18.0 27.3	3.2 3.9 3.6	8.5 2.3 5.0	19.9 21.1 20.5

issues according to the major subdivisions by cause of death based on the Committee's 1950 Code for Cause of Death (TSA I, 617). This table shows the percentage distribution by cause of death of amounts paid in claims; the corresponding percentage distribution by cause of death of the numbers of claims paid was not significantly different.

Table 7 presents side by side the experience, excluding war deaths, on medical and nonmedical issues as reported to the Committee during the past three years, *i.e.*, for the period from 1950 to 1953 anniversaries. The nonmedical mortality ratios shown in this table have been adjusted approximately so as to reflect the distribution of nonmedical exposures by age within each five year age group at issue. In so far as these figures go,

TABLE 7

COMPARISON OF MEDICAL AND NONMEDICAL EXPERIENCE*
BETWEEN 1950 AND 1953 ANNIVERSARIES
BY AGE AT ISSUE AND DURATION (FIRST FIFTEEN POLICY YEARS)

AGES AT					Policy	YEARS				
Issue	1-	-2	35		6-10		11-15		1-15	
			Mortal	ity Ratio	s on 19-	16-49 Sel	ect Basi	ic Table		
	Medi- cal %	Non- medi- cal %	Medi- cal %	Non- medi- cal %	Medi- cal %	Non- medi- cal %	Medi- cal %	Non- medi- cal %	Medi- cal	Non- medi- cal
10–19	99.2 90.9 98.4		96.8 85.8 86.0 92.9 90.9	99.7† 93.3† 96.6† 113.9† 83.8†	91.8 97.9	90.4† 89.1† 103.7† 114.4† 84.2†		84.2† 96.0† 103.9† 110.1† 109.8†	89.3 95.1	94.9- 94.0- 101.7- 114.3- 93.3-
All Ages.	99.0	102.4†	90.0	97.3†	93.5	98.1†	92.0	100.3†	92.7	99.2
		<u>'</u>	Ratios o	f Nonme	dical to	Medical	Mortali	ity Ratio	<u> </u>	
10–19 20–29 30–39 40–49 50 and over	98.0% 99.8 109.4 130.0 96.6		103.0% 108.7 112.3 122.6 92.2		10 11	92.6% 97.1 95.9 8.3	98.2% 110.7 105.8 122.1 121.2		101.6% 105.3 106.9 122.1 103.3	
All Ages.	10	3.4%	10	8.1%	10	4.9%	10	9.0%	10	07.0%

Excludes war deaths.

[†] Adjusted for distribution of exposures by age within each five year age group at issue.

they continue to indicate (a) that nonmedical mortality is higher than that on medical business for ages 20 through 49 at issue at virtually all durations, and (b) that the excess of nonmedical mortality over medical mortality increases with advancing age at issue up to age 50. It should be kept in mind that the experience at ages 50 and over at issue is probably not typical because, as previously noted, it represents primarily business issued under special circumstances, as for instance under salary allotment plans.

Additional data furnished the Committee indicate that females continue to constitute a higher proportion of nonmedical issue (16.1%) than of medical issue (6.2%). This was noted in previous reports. To the extent that females constitute a higher proportion of the nonmedical experience than of the medical experience, Table 7 understates the excess of nonmedical mortality over medical mortality.

EXPERIENCE UNDER STANDARD ISSUES DURING THE 16TH AND SUBSEQUENT POLICY YEARS

The current experience during the 16th and subsequent policy years is based on an exposure of \$21,913,972,000 and actual claims of \$412,773,-

TABLE 8
STANDARD ISSUES DURING 16TH AND SUBSEQUENT POLICY YEARS
EXPERIENCE BETWEEN 1952 AND 1953 ANNIVERSARIES
BY ATTAINED AGE

ALL POLICY YEARS COMBINED (Amounts Shown in \$1,000 Units)

		ACTUAL :	DEATHS		ECTED ES ON	MORTALITY RATIO ON			
ATTAINED AGES	Exposed to Risk	Exclud- ing	War	1946- 1949 Ulti-	CSO	Ulti	-1949 mate Table	CSO	Table
		War Deaths	Deaths	mate Basic Table	Table	Exclud- ing War Deaths	Includ- ing War Deaths	Exclud- ing War Deaths	Includ- ing War Deaths
25-29 30-34 33-39 40-44 45-49 50-54 55-59 50-64 55-69 70-74 75-79 80-84 85-89 90-95	525,429 1,193,724 2,094,582 3,049,419 3,554,342 3,730,116 3,182,275 2,178,99 1,254,352 634,521	658 2,116 7,119 15,693 30,651 52,979 75,122 77,385 66,089 48,197 25,697 8,862	16 3 5	\$ 252 782 2,427 6,942 17,316 33,561 58,859 79,642 80,924 68,713 51,373 28,950 10,632 2,233	2,100 6,280 15,004 30,604 51,329 78,768 98,987 100,773 86,473 64,663 35,619	84.1 87.2 102.5 90.6 91.3 90.0 94.3 95.6 96.2 93.8	99.2% 86.2 87.3 102.6 90.6 91.3 90.0 94.3 95.6 96.2 93.8 88.8 83.4	34.2% 31.3 33.7 47.4 51.3 59.7 67.3 75.9 76.4 74.5 72.1 68.9 69.0	37.59 32.1 33.7 47.5 51.3 59.7 67.3 75.9 76.8 76.4 74.5 72.1 68.9 69.0
All Ages			\$49	\$442,606		93.3%		70.3%	70.39

000, excluding war deaths. There were 25 policies representing \$49,000 in claims reported as deaths in the Korean War during this period.

Expected deaths were calculated on the 1946-49 Ultimate Basic Table (TSA II, 507) and also on the Commissioners 1941 Standard Ordinary Mortality Table. The mortality ratios on these tables, both excluding and including war deaths, are presented in Table 8 by attained age groups.

The aggregate mortality ratio on the 1946-49 Ultimate Basic Table, excluding war deaths, for the period from 1952 to 1953 anniversaries (93.3%) was .9 of a percentage point higher than that (92.4%) for the period from 1951 to 1952 anniversaries, but 1.6 percentage points lower

TABLE 9 STANDARD ISSUES DURING 16TH AND SUBSEQUENT POLICY YEARS EXPERIENCE (INCLUDING WAR DEATHS) BE-TWEEN 1952 AND 1953 ANNIVERSARIES

PERCENTAGE DISTRIBUTION BY CAUSE OF DEATH OF AMOUNTS PAID IN CLAIMS

Cause of Death:	Tuber- culosis	Malig- nant Neo-	Dia- betes Mel-	Vascu- lar Le- sions Affect- ing	Dis- eases of the Heart	Pneu- monia and Influ-	Acci- dents and	Sui-	War Deaths	All Other Causes
Cause of Death:	(All Forms)	Neo-	Mel- litus		and Circu- latory System	Influ- enza	and Homi- cide	cide	Deaths	and Un- known

Cause of Death:	culosis (All Forms)	nant Neo- plasms	betes Mel- litus	Affect- ing Central Nerv- ous System	Heart and Circu- latory System	and Influ- enza	dents and Homi- cide	Sui- cid e	War Deaths	Causes and Un- known
Committee's 1950 Code:	01, 02	18-33	37	42	49–55	56-59	88-96, 98	97	99	Resid- ual
Attained Ages Under 40 40-49 50-59 60-69 70-79 80 and over	2.0% .8 .5 .4 .3 .3	21.0 18.4 16.6 15.4 11.5	.7 .8 1.0 1.6 .6	4.7 7.7 9.8 13.8 16.2	44.0 51.6 54.9 51.2 52.0	1.4% .8 .9 1.4 2.5 3.4	7.6 3.0 1.9 1.7 1.9	3.9 2.5 1.3 .4 .4	.0 .0 .0 .0	16.5 14.6 12.7 13.1 13.7
All Ages	.4%	16.4%	1.1%	10.7%	52.1%	1.8%	2.5%	1.4%	.0%	13.6%

than that (94.9%) for the period from 1950 to 1951 anniversaries. The inclusion of war deaths increased the mortality ratios appreciably only at attained ages under 35-by 8.7 percentage points at attained ages 25-29 and by 2.1 percentage points at attained ages 30-34.

Table 9 presents an analysis of the current experience on business in the 16th and subsequent policy years according to the major subdivisions by cause of death based on the Committee's 1950 Code for Cause of Death (TSA I, 617). This table shows the percentage distribution by cause of death of amounts paid in claims; the corresponding percentage distribution by cause of death of the numbers of claims paid was not significantly different.

APPENDIX

TABLE A

CONTRIBUTING COMPANIES PROPORTION OF TOTAL EXPOSURES CONTRIBUTED BY EACH

	FIRST 15 P	DLICY YEARS	16TH AND
Co m pany	Medical Issues	Nonmedical Issues	SUBSEQUENT POLICY YEARS
Metropolitan .	24.2%	23.1%	28.0%
Prudential	14.6	35.0	12 2
New York Life	10.2	11 6	
Northwestern Mutual	8.8	1	10 2
Equitable, N.Y.	8.6	7.3	11.8
John Hancock	4.8	8.7	3.3
Mutual Life, N.Y	4.1	2.0	6.6
Mutual Benefit	4.0	. 5	4.0
Massachusetts Mutual	3.7	1.7	4.9
Travelers	3.4	.6	4.5
Penn Mutual	3.3	1.2	4.4
Connecticut Mutual	2.8	2.6	2.1
Aetna	2.7	. 9	3.1
Provident Mutual	1.7	. 1	2.3
Connecticut General	1,7	. 4	1.0
Sun Life, Canada	1.4	3.7	1.6
Total	100.0%	100.0%	100.0%

TABLE B

STANDARD MEDICALLY EXAMINED ISSUES OF 1938 TO 1952 EXPERIENCE BETWEEN 1952 AND 1953 ANNIVERSARIES BY YEAR OF ISSUE AND AGE AT ISSUE

EXPECTED DEATHS ON 1946-1949 SELECT BASIC TABLE (Amounts Shown in \$1,000 Units)

Issue			ACTUAL I	EATHS		MORTALITY RATIO		
YEAR (POLICY YEAR)	AGES AT ISSUE	Exposed to Risk	Excluding War Deaths	War Deaths	EXPECTED DEATHS	Exclud- ing War Deaths	Includ- ing War Deaths	
1938 (15)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 82,854 121,936 272,966 360,227 383,998 318,660 233,165 139,183 61,663 25,062 8,224 1,109	\$ 74 134 404 906 1,643 2,176 2,634 2,296 1,580 836 385 114	\$ 24 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 96 171 510 1,063 1,939 2,616 3,092 2,947 1,863 1,093 524 109	77% 78 79 85 85 83 85 78 85 76 73 105	102% 83 79 85 85 83 85 78 85 76 73 105	
	All Ages	\$2,009,047	\$13,182	\$ 32	\$16,023	82%	82%	
1939(14)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 72,618 114,774 252,864 313,337 312,767 263,320 190,691 120,069 62,690 24,176 6,212 1,136	\$ 114 108 282 614 1,105 1,996 2,027 1,873 1,442 765 289 85	\$ 12 5 0 5 5 0 0 0 0 0	\$ 83 147 410 802 1,342 1,833 2,139 2,185 1,637 931 340 95	137% 73 69 77 82 109 95 86 88 82 85 89	152% 74 70 77 83 109 95 86 88 82 85 89	
	All Ages	\$1,733,394	\$10,700	\$ 28	\$11,944	90%	90%	
1940	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 75,246 133,436 297,072 362,954 355,692 298,064 218,052 137,790 69,838 27,956 7,515 1,318	\$ 70 109 304 784 1,308 1,585 1,914 2,066 1,546 720 357 47	\$ 9 7 1 9 0 5 0 0 0	\$ 85 161 419 806 1,337 1.836 2,148 2,216 1.623 954 362 95	82% 68 73 97 98 86 89 93 95 75 99 49	93% 72 73 98 98 87 89 93 95 75 99	
	All Ages	\$1,984,933	\$10,810	\$ 31	\$12,042	90%	90%	
1941 (12)	10-14 15-19 20-24 25-29 30-34 35-39 40-44	\$ 83,246 179,392 367,035 436,483 446,450 378,601 262,602	\$ 119 159 392 695 1,628 2,164 2,157	\$ 16 18 4 4 0 4	\$ 93 208 477 856 1,487 2,120 2,293	128% 76 82 81 109 102 94	145% 85 83 82 109 102 94	

TABLE B-Continued

(POLICY YEAR) 1941			ACTUAL D	EATES		MORTALITY RATIO		
	Ages at Issue	EXPOSED TO RISK	Excluding War War Deaths		EXPECTED DEATHS	Exclud- ing War Deaths	Includ- ing War Deaths	
	45-49 50-54 55-59 60-64 65 and over	\$ 174,365 86,375 31,933 10,719 1,774	\$ 2,499 1,519 842 255 101	\$ 0 0 0 0 0	\$ 2,540 1,764 968 467 113	98% 86 87 55 89	98% 86 87 55 89	
	All Ages	\$2,458,975	\$12,530	\$ 46	\$13,386	94%	94%	
1942 (11)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 61,070 125,675 207,842 292,545 315,922 283,450 209,534 147,938 82,266 31,512 8,770 1,692	\$ 67 146 245 384 910 1,437 1,570 1,496 1,263 850 421 83	\$ 30 2 0 3 0 0 0 0 0 0 0 0	\$ 67 141 247 521 932 1,423 1,632 1,919 1,487 840 353 99	100% 104 99 74 98 101 96 78 85 101 119 84	145% 105 99 74 98 101 96 78 85 101 119 84	
	All Ages	\$1,768,216	\$ 8,872	\$ 35	\$ 9,661	92%	92%	
1943(10)	10 14 15-19 20-24 25-29 30·34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 64,731 115,337 166,428 281,324 354,856 370,760 308,898 211,296 114,717 44,398 11,442 2,149	\$ 144 134 185 451 799 1,967 2,257 2,390 1,551 1,153 280 153	\$ 14 10 5 1 0 0 0 0 0 0	\$ 70 126 185 444 898 1,620 2,091 2,356 1,798 1,023 417 113	206% 106 100 102 89 121 108 101 86 113 67 135	226% 114 103 102 89 121 108 101 86 113 67 135	
	All Ages	\$2,046,336	\$11,464	\$ 30	\$11,141	103%	103%	
1944	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 77,454 123,298 154,435 266,092 407,040 460,793 408,715 257,187 138,634 51,856 12,547 2,369	\$ 77 135 133 394 878 1,664 2,693 2,174 1,638 958 214 139	\$ 18 16 0 0 0 0 0 0 0 0 0 0 0	\$ 79 133 164 386 920 1,802 2,465 2,520 1,960 1,070 412 112	97% 102 81 102 95 92 109 86 84 90 52 124	120% 114 81 102 95 92 109 86 84 90 52 124	
	All Ages	\$2,360,420	\$11,097	\$ 34	\$12,023	92%	93%	
1945 (8)	10-14 15-19 20-24 25-29 30-34	\$ 78,218 124,135 170,468 295,886 479,272	\$ 68 144 123 282 1,077	\$ 3 40 2 1 10	\$ 76 133 176 399 987	89% 108 70 71 109	93% 138 71 71 110	

TABLE B-Continued

Town.			ACTUAL D	EATHS		MORTALITY RATIO		
Issue Year (Policy Year)	Ages at Issue	Exposed to Risk	Excluding War Deaths	War Deaths	Expected Deaths	Exclud- ing War Deaths	Includ- ing War Deaths	
1945 (8)	35–39 40–44 45–49 50–54 55–59 60–64 65 and over	\$ 542,297 442,651 273,879 147,914 54,681 14,150 2,468	\$ 1,857 1,969 2,516 1,657 1,026 389 59	\$ 0 0 0 0 0 0	\$ 1,909 2,395 2,388 1,904 1,021 410 104	97% 82 105 87 100 95 57	97% 82 105 87 100 95 57	
	All Ages	\$2,626,019	\$11,167	\$ 56	\$11,902	94%	94%	
1946 (7)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 81,521 145,514 427,717 655,194 773,024 738,666 555,313 316,197 164,583 59,699 15,505 2,820	\$ 81 131 352 596 1,266 2,034 2,287 2,394 1,489 921 244 54	\$ 6 49 21 34 15 0 0 0 0	\$ 72 156 419 806 1,399 2,216 2,649 2,349 1,871 980 380 101	113% 84 84 74 90 92 86 102 80 94 64 53	121% 115 89 78 92 92 86 102 80 94 64 53	
	All Ages	\$3,935,753	\$11,849	\$125	\$13,398	88%	89%	
1947 (6)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 74,668 162,540 348,397 559,640 745,738 742,841 586,763 341,434 184,312 68,787 16,209 3,040	\$ 50 95 390 625 1,226 1,764 2,478 2,231 1,393 928 406 163	\$ 2 36 24 12 5 0 0 0 0 0 0	\$ 61 172 341 655 1,238 2,043 2,623 2,305 1,959 1,061 361 96	82% 55 114 95 99 86 94 97 71 87 112 170	85% 76 121 97 99 86 94 97 71 87 112 170	
	All Ages	\$3,834,369	\$11,749	\$ 79	\$12,915	91%	92%	
1948 (5)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 54,827 131,524 330,746 561,194 708,428 673,024 541,612 318,767 170,408 63,359 17,628 3,153 \$3,574,670	\$ 19 171 345 488 860 1,334 1,681 1,379 2,312 831 362 94 \$ 9,876	\$ 1 24 39 44 21 0 0 0 0 0 0 0 0 8 129	\$ 41 139 324 629 1,056 1,635 2,145 1,897 1,605 882 351 87 \$\frac{882}{351}\$	46% 123 106 78 81 82 78 73 144 94 103 108	49% 140 119 85 83 82 78 73 144 94 103 108	
1949	10-14 15-19	\$ 51,920 130,709	\$ 33 270	\$ 0 59	\$ 34 132	97% 205	97% 249	

TABLE B-Continued

(Policy Year) 1949 20 (4) 25 30 35 40 45 50 55			ACTUAL D	EATHS		MORTALITY RATIO		
	Ages at Issue	Exposed to Risk	Excluding War Deaths	War Deaths	Expected Deaths	Exclud- ing War Deaths	Includ- ing War Deaths	
	20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 366,770 630,636 752,360 730,690 567,490 330,639 171,616 69,741 18,465 3,680	\$ 378 548 1,055 1,212 1,784 1,585 1,096 663 234 71	\$ 60 0 18 0 0 0 0 0	\$ 345 656 971 1,513 1,867 1,666 1,328 810 312 86	110% 84 109 80 96 95 83 82 75 83	127% 84 111 80 96 95 83 82 75 83	
	All Ages	\$3,824,716	\$ 8,929	\$137	\$ 9,720	92%	93%	
1950 (3)	10-14 15-19 20-24 25-29 30-31 35-39 40-44 45-49 50-54 60-64 65 and over All Ages 10-14 15-19 20-24 25-29 30-34 33-39 40-44 45-49 50-54 55-59 60-64	\$4,669,700 \$47,092 109,904 292,834 682,771 901,895 893,520 720,944 450,454 231,640 104,258 27,161	\$ 9,384 \$ 5 90 244	66 166 31 22 3 0 0 0 0 0	\$ 31 151 397 786 1.106 1.561 1.786 1.685 1.268 796 298 73 \$ 9,938 \$ 24 92 225 560 821 1,423 1,435 1,423 1,031 1,713 286	106% 77 86 87 104 86 89 111 101 89 77 63 94% 21% 98 108 85 78 86 83 76 157 112 70	106% 121 128 91 106 86 89 111 101 89 77 63 97% 21% 112 160 95 82 89 83 76 157 112 70	
	All Ages	\$4,469,029	\$ 7,521	\$241	\$ 7,958	94 	94	
1952	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65 and over	\$ 47.558 108,519 335,288 855,230 1,112,638 1,074,757 834,385 518,544 249,758 116,873 35,577 6,929	\$ 1 172 348 637 756 862 910 1,239 935 336 198 152	\$ 0 0 34 25 19 13 0 0 0 0	\$ 19 76 218 564 745 1,043 1,093 1,110 714 545 264 79	5% 226 160 113 101 83 83 112 131 62 75 192	5% 226 175 117 104 84 83 112 131 62 75 192	
	All Ages	\$5,296,056	\$ 6,546	\$ 91	\$ 6,470	101%	103%	

TABLE C

STANDARD NONMEDICAL ISSUES OF 1938 TO 1952 EXPERIENCE BETWEEN 1952 AND 1953 ANNIVERSARIES BY YEAR OF ISSUE AND AGE AT ISSUE

EXPECTED DEATHS ON 1946-1949 SELECT BASIC TABLE (Amounts Shown in \$1,000 Units)

				A	etual l	Deat	rhs			Mortali	гу Катіо*
ISSUE YEAR (POLICY YEAR)	AGES AT ISSUE		Exposed To Risk	ing	clud- g War eaths		ar	DE	PECTED	Exclud- ing War Deaths	Includ- ing War Deaths
1938 (15)	10–14 15–19	\$	15,231 33,128	\$	19 40	\$	14	\$	18 46	106% 87	111% 96
	20-24	!	57,776		73		0	1	108	68	68
	25-29 30-34		46,815 33,794		116		2	,	138 171	84 104	86
	35-39		14,847	!	177 116		Ö		122	95	104 95
	40-44		7,372		77		ŏ		98	7 9	79
	45-49		2,051		43	İ	0		43	100	100
	50 and over		218		5		0		7	71	71
į	All Ages	\$	211,232	\$	666	\$	7	\$	751	89%	90%
1939	10-14	\$	15,432	\$	18 41	\$	0 1	\$	18 47	$\frac{100\%}{87}$	100%
(14)	15-19 20-24		36,415 60,304		41 88		3		98	87 90	89 93
	25-29		49,563		135		1		127	106	107
	30-34		34,927		160		0		150	107	107
ĺ	35-39	Ì	16,113		90		0		112	80	80
	40-44		7,720		76		0		87	87	87
	45-49 50 and over		2,154 233		43 8		$0 \\ 0$		39 6	110 133	110 133
	All Ages	\$	222,861	\$	659	\$	5	\$	684	96%	97%
1949(13)	10-14 15-19 20-24 25-29 30-34 30-34 40-44 45-49 50 and over	\$5	16,067 41,936 71,195 56,600 38,999 17,048 7,825 2,262 211	\$	8 45 103 117 141 95 105 37 2	\$	1 2 0 0 0 0 0 0	\$5	19 51 100 126 147 105 77 36 5	42% 88 103 93 96 90 136 103 40	47% 92 103 93 96 90 136 103 40
	All Ages	\$	252,143	\$	653	\$	3	\$	666	98%	98%
1941(12)	10–14 15–19 20–24 25–29 30–34 35–39 40–44 45–49 50 and over	\$	15,979 59,651 88,754 65,781 45,311 19,730 8,632 2,040 184	\$	21 56 102 145 164 127 81 45 5	\$	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$	18 69 115 129 151 110 75 30 4	117% 81 89 112 109 115 108 150 125	128% 81 89 112 109 115 108 150 125
	All Ages					<u> </u>					
1942(11)	10-14 15-19 20-24 25-29 30-34 35-39	\$	16,148 56,388 62,971 50,160 39,751 20,311	\$	16 51 83 107 127 104	\$	3 2 1 1 0 0	\$	18 63 75 89 117 102	89% 81 111 120 109 102	106% 84 112 121 109 102

^{*} Not adjusted for distribution of exposures by age within each five year age group at issue.

						_					
ISSUE YEAR		Exposed to Risk		ACTUAL DEATHS						MORTALITY RATIO*	
(POLICY YEAR)	Ages at Issue			ing	Exclud- ing War Deaths		War Deaths		PECTED ATHS*	Exclud- ing War Deaths	Includ- ing War Deaths
1942 (11)	40-44 45-49 50 and over	\$	9,280 2,243 238	\$	92 27 2	\$	0 0	\$	72 29 6	128% 93 33	128% 93 33
•	All Ages	\$	257,490	\$	609	\$	7	\$	571	107%	108%
1943 (10)	10-14 15-19 20-24 25-29 30-34 35-39 40-41 45-49 50 and over	\$	38,233 105,498 94,532 79,813 68,400 45,977 16,717 2,627 266	\$	41 91 96 133 169 225 127 28 3	\$	11 6 2 0 0 0 0 0	\$	41 115 105 126 173 201 113 29 5	100% 79 91 106 98 112 112 97 60	127% 84 93 106 98 112 112 97 60
į	All Ages	\$	452,063	\$	913	\$	19	\$	908	101%	103%
1944	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50 and over	\$	52,310 125,461 95,144 76,499 72,504 58,004 22,010 3,000 394	\$	55 111 102 118 140 238 104 45 6	S	16 12 0 0 0 0 0	\$5	53 135 101 111 164 227 133 29 6	104% 82 101 106 85 105 78 155 100	134% 91 101 106 85 105 78 155 100
	All Ages	\$	505,326	\$	919	\$	28	\$	959	96%	99%
1945(8)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50 and over	\$	56, 287 125, 771 103, 886 93, 800 79, 407 62, 922 23, 382 3, 335 450	\$	57 108 86 87 155 200 148 29 2	\$	9 21 0 1 0 0 0 0	\$	55 135 107 127 164 221 126 29 7	104% 80 80 69 95 90 117 100 29	120% 96 80 69 95 90 117 100 29
	All Ages	\$	549,240	\$	872	\$	31	\$	971	90%	93%
1946(7)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50 and over	\$	46,998 126,816 327,300 273,875 137,075 78,047 25,158 4,218 808	\$	51 112 238 278 247 237 149 12 8	\$	5 26 12 2 0 0 0 0	\$	41 136 321 337 248 234 120 31 11	124% 82 74 82 100 101 124 39 73	137% 101 78 83 100 101 124 39 73
ļ	All Ages	\$1	,020,295	\$1	, 332	\$	45	\$1	, 479	90%	93%
1947(6)	10-14 15-19 20-24 25-29 30-34 35-39 40-44	\$	49,309 166,174 251,871 186,899 112,962 73,726 28,158	\$	37 182 190 201 193 213 135	\$	3 50 0 0 3 0	\$	40 176 247 219 188 203 126	93% 103 77 92 103 105 107	100% 132 77 92 104 105 107

^{*} Not adjusted for distribution of exposures by age within each five year age group at issue.

			ACTUAL 1	DEATHS		MORTALITY RATIO*		
ISSUE YEAR (POLICY YEAR)	AGES AT ISSUE	Exposed to Risk	Exclud- ing War Deaths	War Deaths	Expected Deaths*	Exclud- ing War Deaths	Includ- ing War Deaths	
1947(6)	45-49 50 and over	\$ 5,277 1,486	\$ 41 8	\$ 0 0	\$ 36 19	114% 42	114% 42	
	All Ages	\$ 875,862	\$1,200	\$ 56	\$1,254	96%	100%	
1948 (5)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50 and over	\$ 44,231 148,132 229,067 165,102 93,728 60,692 25,315 5,758 2,054	\$ 60 131 186 158 135 93 111 14 16	\$ 2 57 20 8 0 0 0	\$ 33 157 224 185 140 147 100 34 23	182% 83 83 85 96 63 111 41 70	188% 120 92 90 96 63 111 41 70	
	All Ages	\$ 774,079	\$ 904	\$ 87	\$1,043	87%	95%	
1949 (4)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50 and over	\$ 47,653 155,359 253,961 190,288 113,149 68,665 27,629 5,983 1,625	\$ 37 141 250 132 162 109 108 48	\$ 0 46 34 2 2 0 0 0	\$ 31 157 239 198 146 142 91 30 15	119% 90 105 67 111 77 119 160 60	119% 119 119 68 112 77 119 160 60	
	All Ages	\$ 864,312	\$ 996	\$ 84	\$1,049	95%	103%	
1950(3)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50 and over	\$ 55,409 202,616 320,697 255,709 156,584 82,679 32,541 6,576 1,571	\$ 31 228 353 214 190 150 77 35 6	\$ 0 45 73 19 5 0 0	\$ 33 195 285 248 179 147 89 28 12	94% 117 124 86 106 102 87 125 50	94% 149 94 109 102 87 125 50	
	All Ages	\$1,114,382	\$1,284	\$142	\$1,216	106%	117%	
1951(2)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50 and over	\$ 70,672 267,539 413,109 428,284 288,362 142,360 49,181 14,685 2,720	\$ 37 262 285 218 204 176 121 48 6	\$ 0 5 127 22 2 0 0 0	\$ 35 225 318 351 262 198 98 46 14	106% 116 90 62 78 89 123 104 43	106% 119 130 68 79 8 9 123 104 43	
	All Ages	\$1,676,912	\$1,357	\$156	\$1,547	. 88%	98%	
1952(1)	10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50 and over	\$ 82,274 331,029 520,298 587,235 380,738 173,891 55,189 14,897 3,598	\$ 32 317 420 350 282 168 73 38	\$ 0 1 71 27 5 2 0 0	\$ 33 232 338 388 255 169 72 32 12	97% 137 124 90 111 99 101 119 92	97% 137 145 97 113 101 101 119 92	
	All Ages	\$2,149,149	\$1,691	\$106	\$1,531	110%	117%	