Chapter 3 Comparison of AFDC Family Incomes With Poverty Line and Other Groups

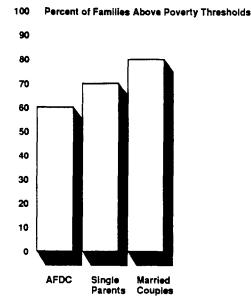


Figure 3.2: Among Three Welfare Groups, AFDC Families Exceed Poverty Thresholds Least Often, April 1984*

Note: Single-parent and married couple households receive welfare-but neither AFDC nor SSI. They contain from 2 to 4 members. Figures reflect national data. Inkind benefits are valued using market technique.

^aSingle-parent and married-couple families received welfare, but not AFDC or SSI. All families contain two to four members. Figures reflect national data. In-kind benefits are at market value.

How AFDC Family Incomes Compare With Incomes of Single-Parent Families Not Receiving Welfare Studies show that single-parent families, as a group, have considerably lower incomes than married-couple and elderly families. To make our comparison, we used national data and selected single-parent families with three or fewer children who were not receiving any form of welfare. There were about 3.1 million of these families in April 1984.⁴

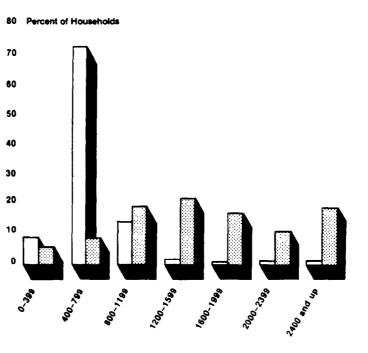
The average monthly pretax income, at market value, of the nonwelfare families was \$1,709 (not including a value for employer-provided benefits, such as health care or pensions). If Medicaid is not included in AFDC family incomes, their average monthly income is \$667, or \$1,042 less than nonwelfare families. Fifty percent of the nonwelfare families had average monthly incomes between \$1,039 and \$2,137. Further, nonwelfare families derived most of their income from earnings, but also

⁴The Census Bureau's Survey of Income and Program Participation (SIPP) contains information on 15 of the largest welfare programs.

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received income from such sources as interest and Social Security payments. We did not reduce incomes for taxes, which can be significant, especially for non-AFDC families. AFDC families with earnings would pay Social Security tax and may also pay some income tax, but welfare benefits are tax free. Figure 3.3 shows the respective incomes of AFDC and nonwelfare families.

Figure 3.3: Nationally, Most AFDC Families Had Significantly Lower Incomes Than Did Their Nonwelfare Counterparts, April 1984^{a,b}



Ranges of Monthly Income



Incomes of AFDC households with 2 to 4 members, all AFDC recipients

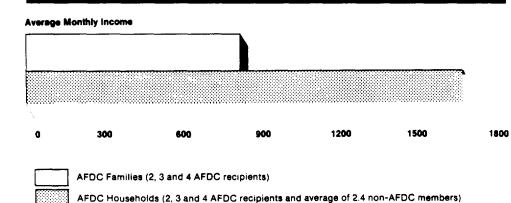
Incomes of non-welfare, single-parent households with 2 to 4 members

^aAmounts are determined from 300 AFDC families and 644 nonwelfare families with two, three, and four family members.

^bWe did not include the value of employer or union-paid health insurance in the incomes of nonwelfare families. Therefore, we did not include a value for Medicaid in the incomes of AFDC families. In-kind benefits are at market value.

Eleven percent of the nonwelfare families had pretax incomes, not including employer-provided medical and pension benefits, that were below the poverty line, compared with 74 percent of AFDC families,

Chapter 3 **Comparison of AFDC Family Incomes With Poverty Line and Other Groups** whose incomes were also computed without including Medicaid. Some nonwelfare families with low incomes may be "income-eligible" for welfare assistance, but do not participate for reasons that could include an inability to meet asset limitations, lack of knowledge about program eligibility, and the stigma attached to welfare. Our analysis of AFDC families living with persons not receiving AFDC and Limited Information their income was limited by the absence of usable data. County welfare on Incomes of AFDC records often lacked income information on non-AFDC members' incomes. Families Living With These records also lacked adequate identifying information such as Social Security numbers, which are needed to trace participation in Others other assistance programs. We were unable to accurately determine total income for households containing non-AFDC members at the county level. Therefore, for the analyses and comparisons in this section, we used only national data. Nationally, 40 percent of sampled households with two to four AFDC recipients included persons not receiving AFDC. Such households had an average of 2.4 members in addition to the members who received AFDC. Figure 3.4 shows that the average monthly pretax income of households with 2, 3, and 4 AFDC recipients and an average of 2.4 non-AFDC members was 1,674, or 855 higher than AFDC families with 2, 3, and 4 recipients living alone. Figure 3.4: Households With AFDC and **Non-AFDC Members Have Higher** Average Monthly Income Average Incomes Than AFDC Families Living Alone, National Data, April 1984*



^aMarket technique used to value in-kind benefits.

Besides average incomes being higher, households with AFDC and non-AFDC members have incomes above the poverty line more often than do AFDC families living alone, as table 3.5 shows.

Table 3.5: Comparison of Incomes Exceeding Poverty Thresholds Nationally, April 1984

	Percent	
Income definition	199 households with AFDC and non-AFDC members	300 AFDC families living alone
Cash Only	55	8
Cash plus in-kind benefits at recipient values	62	27
Cash plus in-kind benefits at market values	71	60

The average income of households with AFDC and non-AFDC members includes noticeably less in-kind income and more cash—primarily from earnings—than does the average income of AFDC families living alone, as table 3.6 shows.

Table 3.6: Income Composition ofHouseholds With AFDC and Non-AFDCMembers and AFDC Families LivingAlone, National Data, April 1984

	Average percent of income-	-market value*
Income type	199 households with AFDC and non-AFDC members	300 AFDC families living alone
AFDC	20	4
Food stamps	8	1:
Medicaid	13	1
Earnings	38	
Other	21	1

^aPercentages of individual family income by sources were calculated and then averaged for all families

Our limited analysis of the income differences between AFDC families liv ing alone and households with AFDC and non-AFDC members indicates that further study is needed to determine the relative income status of AFDC recipients in the two household types. Remaining unanswered is the question: How much income is available to support AFDC recipients? Answers to this and other questions can depend on the AFDC recipients' relationship to the non-AFDC household members. In response to Senator Roth's request dated March 31, 1987, we will provide further information on the incomes and characteristics of AFDC households in a later report.

Chapter 4

Conclusions and Federal Welfare Policy Implications

AFDC families living alone receive income amounts from numerous welfare and nonwelfare sources. Most of their income is derived from federal/state welfare programs; on average almost half in the form of inkind benefits. Thus, their incomes are affected by a multiplicity of federal and state policies concerning program eligibility, benefit levels and availability, and program interactions. Also, individual AFDC family incomes are affected by where they live, receipt of housing assistance, whether they have earnings, and family size.

Because individual state welfare policies and practices can play a significant role with respect to family incomes, the current extent of state discretion in setting AFDC payment levels, eligibility criteria, and so on is a necessary focus for welfare reform policy deliberations. To some extent, multiprogram participation and program interactions reduce AFDC payment variations among the states. AFDC payments are counted as income in determining the benefit amounts of such other programs as Food Stamp and Section 8 Housing. Thus, as AFDC payments become larger, benefits from the other programs become smaller. It is important, therefore, that in establishing benefit levels in a given welfare program, interactions with other program benefits are considered.

While earnings significantly affect the income of AFDC families with an employed member, few had earnings, which indicates the possible need for additional emphasis on training and work requirements.

AFDC family incomes increased with family size largely because their income came primarily from welfare benefits, which generally increase as the number of eligible family members increases.

National and county data indicate that some in-kind benefits may not be equitably distributed. Housing assistance, for example, can significantly affect an AFDC family's total income, but such assistance is not equally available in all states or even within some states. In effect some families, precluded from receiving such assistance, must pay for their housing at the market rate. Thus, families qualifying for assistance in similar circumstances are often treated differently. Attempts to address this apparent inequity might consider adjusting the AFDC grants for families not receiving housing assistance and/or adjusting the grants for those already receiving such assistance.

The number and percentage of AFDC families whose incomes exceed the poverty line are largely dependent on the types of in-kind benefits that are counted as income and the methods used to value them. Few AFDC

Chapter 4 Conclusions and Federal Welfare Policy Implications

family incomes exceed the poverty line when their cash incomes alone are counted, but significantly more do when their in-kind assistance is counted—which serves to highlight the importance of methods used to value in-kind assistance in calculating individual and aggregate welfare income.

Although in-kind benefits comprise about 70 percent of federal welfare expenditures, there is disagreement about how such benefits should be valued for the purpose of determining incomes, and whether such benefits as Medicaid should be valued at all. At the request of the Congress, the Census Bureau is seeking to resolve a number of valuation issues, which, in our view, could significantly affect policymakers' perceptions about AFDC family incomes. However, until agreements are reached on these issues, uncertainties will persist about the relative poverty status of welfare families.

Although comparing welfare family incomes to the official poverty line is a widely accepted practice, the poverty line has received extensive criticism as being obsolete and nonreflective of geographic and family differences other than family size. While the poverty line remains the only commonly used national standard for measuring basic living needs income, the use of this standard continues to complicate efforts by the Congress and others to determine whether welfare benefits are adequaand properly targeted to the various poverty groups.

AFDC family incomes are generally less than comparably sized families receiving other welfare, such as food stamps but not AFDC, and those receiving no welfare. Thus, a higher percentage of AFDC families have incomes below the poverty line than do the other groups. A large percentage of AFDC family incomes are composed of in-kind assistance. Thus, in addition to being less fungible than those incomes consisting mostly of cash, AFDC family incomes are more susceptible to valuation problems.

Both national and county estimates of family incomes may be affected by program participation and income misreporting on Census Bureau surveys and to welfare agencies. Our estimates are subject to addition: variations because of in-kind benefit valuation problems, and because we used monthly data that does not reflect annual labor force and wel fare program participation effects.

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Bureau of the Census Description of Noncash Valuation Techniques

This appendix contains descriptions of the procedures used to develop and assign values to each of the five types of noncash benefits valued in this study. These benefits are (1) food stamps, (2) school lunches, (3) public or other subsidized rental housing, (4) Medicaid, and (5) Medicare. The first section describes procedures for the market value approach; the second, procedures for the recipient or cash equivalent approach; and the third, procedures for the poverty budget share approach.

MARKET VALUE

The market value concept values the noncash benefit at the cost of the specific goods or services in the private market place. The procedures used to assign market values to noncash benefits require the identification of analogous goods or services in the private market place and estimation of the cost of the goods or services. Because it is sometimes difficult to find and value goods or services in the private market place that are precisely the same as those provided by the noncash benefit program, various assumptions and compromises were made in the estimation process. Details of the market value estimation process are contained in the following subsections for each noncash benefit.

Food stamps. Valuing food stamps was the simplest and most straightforward of the market value procedures. The market value assigned was the annual face value as reported in the survey; i.e., the face value is equal to the purchasing power of the food stamps in the market place.

School lunches. All children eating lunches prepared in schools that participate in the National School Lunch Program receive a subsidy or benefit because the price paid by the student is less than the cost of the meal. The value of the benefit varies depending on how much the student pays for the lunch. In the case of school lunches, it is difficult to identify the analogous good in the private market place since such a large proportion of schools participate in the program. It was decided, therefore, to assign market values that were equal to the amount of money and value of commodities contributed by the Department of Agriculture and State governments (excluding contributions directly from student payments for lunches)

Data from the Department of Agriculture allowed the calculation of the amount of contributions per meal served. These contributions differ for each of the three categories of lunches: (1) paid (full price), (2) reduced price, and (3) free. Table B-1 shows the total contributions per meal by type of lunch for 1979 to 1984. These figures were multiplied by 167 days to obtain an annual estimate per child. This assumes an average school year of 180 days and 93 percent attendance. These amounts were multiplied by the number of children in each family reporting that they usually ate a hot lunch offered at school

Public and other subsidized rental housing. The noncash benefit for public or other subsidized rental housing was defined as the difference between the market rent of the housing unit and the subsidized or lower rent paid by the participant. The market value of the benefit is equal to this difference. Data on the market rent of public housing units are not readily available. Since these data are the key to estimating market values, procedures were developed to estimate market rents.

The market rent estimation procedure was based on survey data from the 1979 and 1981 Annual Housing Survey (AHS) national samples conducted by the Bureau of the Census. The AHS was chosen for several reasons. First, it collected rela-

Table B-1. Contributions per Meal and Annual Market Value Subsidies for Nationa	I School Lunch
Program, by Cost Status of Lunch: 1979-84	

(Figures in 1984 dollars)

(Figures in 1984	19		1980		1980 1981 1982		198	1	32	1983			1984	
Cost status of lunch	Per meai	Annual	Per meal	Annual	Per meal	Annual	Per meal	Annual	Per meal	Annual	Per meal	Annual		
Full price Reduced price Free	.44 1.20 1.49	200.70	1.20		1.13		.90	41.33 150.94 222.82	.25 .93 1.34		.25 .95 1.35	41.75 158.65 225.45		

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Note: For the 1984 per meal cost status of lunch shown in the reproduced table B-1, we deducted the 25-cent subsidy that all children receive from the reduced price and free lunch subsidy amounts to derive the portion of the subsidies that is based on financial need.

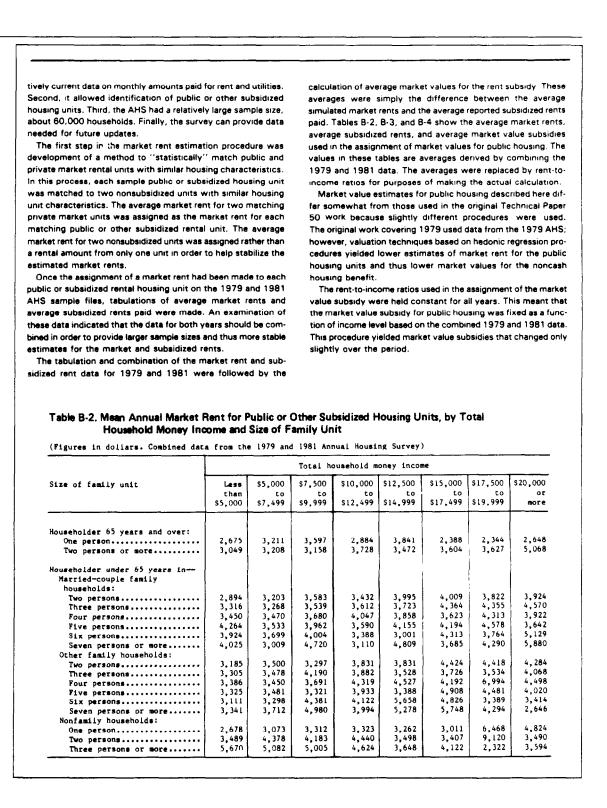


Table B-3. Mean Annual Subsidized Rent for Public or Other Subsidized Housing Units, by Total Household Money Income and Size of Family Unit

(Figures in dollars. Combined data from the 1979 and 1981 Annual Housing Surveys)

	Total household money income									
Size of family unit	Less	\$5,000	\$7,500	\$10,000	\$12,500	\$15,000	\$17,500	\$20,00		
· · · · · ·	than	to	to	to	to	to	to	0		
	\$5,000	\$7,499	\$9,999	\$12,499	\$14,999	\$17,499	\$19,999	105		
Householder 65 years and over:	1			1		[(
One person	1,058	1,541	2,217	1,942	3,145	1,632	1,631	1,88		
Two persons or more	1,290	1,518	2,066	2,172	2,102	2,232	3,032	3,17		
iouscholder under 65 years in						ļ	ļ			
Married-couple family			ſ	1		1	Į.	[
households:			1	1			1	ţ		
Two persons	1,454	1,990	2.249	2,428	2,285	3,013	2,953	3,0		
Three persons	2,111	1,933	2,433	2,549	2,869	2 984	3,333	2,9		
Pour persons	1,794	1,849	2,256	2,481	2,451	2,976	3,607	2,7		
Pive persons	1,945	1,859	2,081	2,243	2,469	2,642	3,358	2,5		
Six persons	1,696	1,852	2,203	2,335	1,947	3,224	2,423	3,7		
Seven persons or more	1,492	1,652	1,959	1,976	3,691	2,242	2,493	3,5		
Other family households:						({		
Two persons	1,482	1,552	2,119	2,688	2,749	2,912	2,933	3,3		
Three persons	1,344	1,863	2,150	2,265	2,394	3,157	2,331	2,2		
Four persons	1,434	1,976	2,055	3,141	3,703	2,289	2,493	1,8		
Five persons	1,352	1,903	1,869	2.832	1,728	2,400	2,756	3,4		
Six persons	1,367	1,494	1,541	1,908	3,324	2,665	1,591	2,3		
Seven persons or more	1,264	1,763	2,007	1,595	1,746	2,616	2,006	1 1,3		
Nonfamily households:			(ļ			
One person	1,232	1,618	2,237	2,286	2,620	2,219	5,784	3,1		
Two persons	1,585	2,900	2,590	2,424	2,304	2,482	3,204	3,0		
Three persons or more	2,820	1,464	1,794	2,239	2,808	3,480	708	2,6		

Table B-4. Mean Annual Market Value of Housing Subsidies for Public or Other Subsidized Housing Units, by Total Household Money Income and Size of Family Unit

(Figures in dollars. Combined data from the 1979 and 1981 Annual Housing Surveys)

		To	tal house	ehold mone	y income			
Size of family unit	Less	\$5,000	\$7.500	\$10,000	\$12,500	\$15,000	\$17,500	\$20,00
	than	to	to	to	to	to	to	0
	\$5,000	\$7,499	\$9,999	\$12,499	\$14,999	\$17,499	\$19,999	THOP
Householder 65 years and over:			[Ì	1		{
One person	1,617	1,670	1,380	942	696	756	713	76
Two persons or more	1,760	1,690	1,092	1,556	1,370	1,371	595	1,89
Householder under 65 years in			1 1		1		(
Married-couple family			{ !		í	{	1	1
households:]	1		}	1	}	
Two persons	1,440	1,213	1,334	1,003	1,711	996	869	83
Three persons	1,205	1,335	1,106	1,063	853	1,380	1,023	1,64
Four persons	1,656	1,621	1,424	1,567	1,406	647	707	1,12
Five persons	2,318	1,675	1,881	1,347	1,686	1,553	1,220	1,10
Six persons	2,228	1,847	1,800	1,053	1,054	1,089	1,341	1,33
Seven persons or more	2,532	1,357	2,761	1,134	1,117	1,444	1,796	2,32
Other family households:			1		1	1		1
Two persons	ι,703	1,948	1,178	1,144	1,082	1,512	1,485	9
Three persons	1,961	1,615	2,040	1,618	1,134	569	1,203	1,7
Four persons	1,952	1,474	1,635	1,177	824	1,903	4,501	2,6
Five persons	1.972	1.578	1.452	1,101	1,660	2,508	1,706	5
Six persons	1,724	1,804	2,840	2,214	2,334	2,161	1,798	1,0
Seven persons or more	2.077	1,950	2,973	2,399	3,531	3,132	2,288	1,20
Nonfamily households:			1		ĺ	1	{	[
One person	1,446	1,455	1,074	1,037	642	792	684	1.6
Two persons	1,903	1,478	1,593	2,016	1,194	925	5,916	4
Three persons or more	2,850	3,618	3,211	2,385	840	642	1,614	9

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Table B-5. Annual Market Value for Medicare, by State and Risk Class: 1979 and 1984 (Figures in 1984 dollars) State 1979 risk class 1984 risk class											
State	1979 r i	sk class	1984 risk	ciass							
	Age 65 and over	Blind and disabled	Age 65 and over	Blind and disable							
United States	1,329	1,670	1,672	2,12							
Alabama	1,098	1,890	1,440	L, 7							
Alaska	1,524	2,413	1,602	2,48							
Arizona	1,244	1,942	1,621	1,9							
Arkansas	987	1,693	1,043	1,4							
California	1,727	2,652	2.267	2.7							
Colorado	1,281	2,039	1,592	1,6							
Connecticut	1,391	2,051	1,967	2,3							
Delaware District of Columbia	L.337 1.959	1,962 3,301	3,032	3,9							
	1,417	2,364	1,761	2,2							
Florida Georgia	1.010	1,699	1,417	1,8							
Hawai1	1,289	1,826	1,885	2,5							
Idaho	977	1,547	1,035	1,4							
Illinois	1,528	2, 397	2,139	2,6							
Indiana	1.146	1,928	1,597	1,9							
lowa	1,108	1,815	1,498	1,6							
Kansas	1,285	2,111	1,976	1,8							
Kentucky	944	1,633	1,086	1,4							
Louisiana	1,069	1,804	L,185	1,7							
Maine	1,212	1,952	1,464	1,6							
Maryland	1,574	2,454	2,088	2,5							
Massachusetts	1,663	2,530	1,768	2,3							
Michigan	1,611	2,537	2,034	2,1							
Minnesota	1,211	1,877	1,793	1,7							
Mississippi	1,006	1,694	1,118	1,7							
Missouri	1,302	2,154	1,474	1,9							
Montana	1,027	1,699	1,201 1,654	1,6							
Nebraska	1,122	1,734 2,672	2,120	2,1							
Nevada New Hampshire	1, 1, 122	1.869	1,561	1,6							
New Jersey	1,365	2,217	1,875	2,7							
New Mexico	1,099	1,820	1,146	1,4							
New York	1,470	2,325	1,719	2,2							
North Carolina	962	1,574	1,342	1,6							
North Dakota	1,246	2,165	1,427	2,1							
Ohio	1,269	2,147	1,635	(L,8							
Oklahoma	1,133	1,892	1,213	1,7							
Oregon	1,209	1,953	1,377	1,7							
Pennsylvania	1,378	2,325	1,786	2,4							
Rhode Island	1,498	2,171	1,682	1,6							
South Carolina	866	1,583	1,290	1,5							
South Dakota	1,012	1,809	1,392	1.7							
Tennessee	1,043	1,782	L,334 1,498	2.4							
Texas	1,241	2,086		1,7							
ULah	1,010	1,527	1,281 1,396								
Vernont	1,122	1,806	1,396	2,0							
Virginia	1,129	1,804	1,315	1.0							
Washington	1,115	1,759	1,313	1,1							
West Virginia	1	1,757	1,550	i,i							
Wisconsin	1,212	1,972	1,208	1.6							

State	(Figures in 1984 doilars) Age 65 Blind and Age 21-64, Age less than 21,									
	and over	Blind and disabled	Age 21-64, nondisabled	Age Less than 21, nondisabled						
United States	2,999	3,671	1,006	477						
Alabama	1,694	1,604	830	328						
Alaska	6,445	5,914	1,029	418						
Arizona	2,999	3,671	1,006	477						
Arkansas	1,952	2,407	727	338						
California	1,939	2,185	963	475 341						
Colorado Connecticut	2,865	5,511 4,402	916 1,025	515						
Delaware	6,233 5,114	3,698	806	358						
District of Columbia	2,828	4,993	1,365	731						
Florida	1,908	1,742	763	388						
Georgia	2,129	2,506	926	371						
Hawaii	3,754	3,492	912	402						
Idaho	3,766	4,443	814	411						
[ilinois	3,775	4,253	1,095	497						
Indiana	5,697	5,946	1,049	424						
Iowa	3,889	5,029	997	462						
Kansas	3,593	5,459	894	346						
Kentucky	1,681	1,855	647	289						
	2,011	2,643	737	331						
Maine	3,130 3,628	1,703 2,451	645	329 545						
Maryland	1,938	4,616	1,022	525						
Michigan	3,985	5.020	1,372	522						
Minnesota	5,638	6,324	933	399						
Mississippi	1,328	1,666	575	268						
Missouri	1,877	2,219	747	311						
Montana	4,500	3,902	967	386						
Nebraska	3,997	4,957	944	439						
Nevada	3,864	5,063	973	409						
New Hampshire	5,504	3,925	790	439						
New Jersey	5,644	3,771	934	574						
New Mexico	1,893	2,385	787	333						
New York	5,282	8,589	1,547	788						
North Carolina North Dakota	2,231	2,712	783	326 548						
Dhio	4,150	3,575	893	368						
Oklahoma	2,886	4,345	551	399						
Oregon	3,685	4,206	584	230						
° I	4,672	3,406	738	355						
			727	345						
	2,240	1,756	760	246						
	4,171	5,235	850	379						
Tennessee	2,281	2,244	864	434						
Texas	2,680	3,743	1,113	382						
	3,831	5,152		608						
				412						
Virginia				406						
				401						
			1,2/4	1,274						
				280						
Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas Utah Virginia Ashington Virginia Alsconsin Vyoming	3,115 2,240 4,171 2,281 2,680	2,989 1,756 5,235 2,244 3,743	727 760 850 864	- <u>-</u>						

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Table B-7. Annual Market Values for Medicaid Including Institutional Expenditures, by State and Risk Class: 1984 (Pisures in dollars)										
(Figures in dollars)										
State	Age 65 and over	Blind and disabled	Age 21-64, nondisabled	Age less than 21, nondisabled						
United States	4,037	4,124	859	43(
Alabama	1,696	2,116	720	306						
Alaska	7,604	10,422	1,272	666						
Arizona	4,037	4,124	859	430						
Arkansas	2,303	3,068	795	42						
California	1,653	2,535	722	384						
Colorado	3,013	5,402	829	364						
Connecticut	7,828	6,736	1,073	513						
Delaware	5,253	4,421	758	38						
District of Columbia	7,075	4,217	597	31						
Florida	2,810	2,765	585	28						
Georgia	2,265	2,758	1,013	40						
Hawaii	4,792	3,741	890	371						
Idaho	4,759	5,212	890	39						
Illinois	3,561	4,085	860	42						
Indiana	6,109	6,348	1,270	52						
Iowa	3,594	5,080	856	44						
Kansas	2,458	3,436	558	31						
Kentucky	2,269	2,108	591	28						
Louisiana	2,615	4,310	1,030	45						
Maine	4,766	3,911 2,877	820 1,100	37						
Massachusetts	4,610	5,325	1,100	59						
Michigan	4,301	4,391	954	361						
Minnesota	7,579	10,682	896	430						
Misaissippi	1,906	1,737	754	33						
Missouri	3, 267	3,160	733	41						
Montana	3,722	2,505	901	30						
Nebraska	4,246	5, 303	832	461						
Nevada	3,853	5,981	977	52						
New Hampshire	6,564	5, 596	539	28						
New Jersey	5,999	4,897	1.045	43						
New Mexico	2,976	3,650	1,072	42						
New York	8,921	7,214	986	610						
North Carolina	3,783	4,443	902	42						
North Dakota	5,964	6,469	923	641						
Ohio	5,264	5,140	962	46						
Oklahoma	3,014	3,675	1,002	69						
Oregon	3,894	4,892	936	33:						
Pennsylvania	5,446	4,864	733	36						
Rhode Island	5,291	5,398	681	32						
South Carolina	2,310	2,231	540	17						
South Dakota	4,894	7,007	954	52						
Tennessee	2,656	2,561	1,036	60						
Texas	2,687	4,585	1,112	41						
Utah	3,792	6,261	858	37						
Vermont	4,485	5,193	812	37						
Virginia	4,003	3,724	822	33						
Washington	3,848	4,734	885	44						
West Virginia	2,383	1,215	467	21						
Wisconsin	5,087	5,189	734	42						
Wyoming	4,967	3,856	926	42						

Fable B-8. Annual Market Values for Medicaid Excluding Institutional Expenditures, by State and Risk Class: 1979										
(Figures in 1984 dollars)										
State	Age 65 and over	Blind and disabled	Age 21-64, nondisabled	Age less than 21, nondisabled						
United States	597	1,813	995	449						
Alabama	429 695	1,129	830 1.025	328 388						
Arizona	597	1,813	995	449						
Arkansas	451	995	727	336						
California	658 474	1,701	963 913	472						
Connecticut	781	1,503	993	468						
Delaware	588	1,713	806	358						
District of Columbia	1,803	3,662	1,364	705						
Florida	635	1,379	763	388						
Georgia	531	1,461 1,617	926 910	37 L 40 l						
Idaho	584	1,551	814	411						
Illinois	761	2,189	1,092	494						
Indiana	793	2,251	1,045	401						
Iowa	675	1,491	987	462						
Kansas	529 319	1,221	892 645	329 286						
Louisiana	602	1.052	7 37	328						
Maine	402	1,171	644	328						
Maryland	675	1,895	1,019	545						
Aassachusetts Aichigan	248 610	2,169 2,530	l,159 l,345	507 455						
linnesota	757	1,832	927	395						
Mississippi	475	1,115	574	258						
Missouri	479	1,224	747	311						
Montana	627	2,018	963	385						
Nebraska	704	1,724 2,809	940 973	415 402						
New Hampshire	671	2,003	790	431						
iew Jersey	703	1,902	934	451						
Wew Mexico	495	1,560	786	332						
New York	740	3,648	1,508	705						
North Carolina	607 601	1,618	781	322 548						
Dhio	630	1,617	893	365						
Oklahoma	664	1,182	541	384						
Dregon	522	1.042	584	230						
Pennsylvania	448	1,274	697	322 345						
Rhode Island	1,113	1,382 950	727	246						
South Dakota	451	1,282	850	379						
Cennessee	514	1,219	863	424						
lexas	568	1,468	1,113	382						
Jtah	514 592	1,425	943 756	446 375						
/ermont	754	1,607	913	375						
ashington	685	1,943	906	401						
lest Virginia	456	1,025	1,272	1,268						
isconsin	887	1,920	810	395						
yoming	356	1,465	778	255						

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	984		·	ditures, by
(Figures in dollars)				
State	Age 65 and over	Biind and disabled	Age 21-64, nondisabled	Age less than nondisat
United States	1,016	2,550	851	
Alabama	458	1,016	720	
Alaska	2,589	3,834	1,236	
Arizona	1,016	2,550	851	
Arkansas	745	1,283	795	
California	520	1,928	721	
Colorado	727	2,524	799	
Connecticut	1,102	5,271	1,066	
Delaware	642	1,855	758	
District of Columbia	1,324	2,638	594	
Florida	742	1,507	585	
Georgia	794	1,452	856	
Hawaii	837	2,602	889	
Idaho	490	1,788	890	
Illinois	856	4,204	962	
Indiana	905	3,181	1,270	
Iowa	650	1,716	856	
Kansas	469	2,020	558	
Kentucky	396	1,634	590	
Louisiana	890	1,812	1,029	
Maine	760	1,918	792	
Maryland	997	2,563	1,078	
Massachusetts	1,702	3,647	1,117	
Michigan	835	3.477	952	
Minnesota	915	4,249	935	
Mississippi	603	1,057	754	
Missouri	648	1,532	732	
Montana	492	1,442	900	
Nebraska	828	3,538	831	
Nevada	622	3,671	977	
New Hampshire	579	3,161	537	
New Jersey	1.019	2,439	1,045	
New Mexico	724	2,184	1,068	
New York	2,789	5,652	980	
North Carolina	899	3,169	900	
North Dakota	555	3,801	1.088	
Ohio	1,204	2,538	962	
	970		885	
Okiahoma		1,758		
Oregon	830	1,493	828 677	
Pennsylvania	552	2,228	-	
Rhode Island	1,859	2,055	681	
South Carolina	462	960	540	
South Dakota	681	3,436	954	
Tennessee	552	1,384	1,034	
Texas	902	1,790	1,111	
Utah	605	1,939	855	
Vermont	831	3,157	788	
Virginia.	922	1,965	820	
ashington	677	1,993	884	
West Virginia	417	871	467	
isconsin	823	ι,828	725	
yoming	334	2,675	926	

Table B-10, Mean Annual Normal	Expendit	ures for	Food, b	y Total H	lousehold	d Money	Income a	nd
Size of Family Unit								
(Figures in dollars. Combined dat Diaries)	a from 19	80, 1981	, and 19	82 Curren	t Expendi	ture Surv	ey Monthly	,
			Tota	1 househo	ld money	income		
Size of family unit	Less	\$5,000	\$7,500	\$10,000	\$12,500	\$15,000	\$17,500	\$20,000
	than \$5,000	to \$7.499	to \$9,999	to \$12,499	to \$14,999	to \$17,499	to \$19,999	or
						ļ		
Householder 55 years and over:								
One person	1,015	1,328	1,464	1,683	1,394	1.676	2,370	2,293
Two persons or more	1,414	1,806	2,143	2,536	2,556	2,383	2,810	3,577
Householder under 65 years in Married-couple family households:						1		
	648	1.916	2.103	2.465	2,369	2.842	2,921	3, 293
Three persons	344	2,683	2.308	2,395	2,612	3.036	2.912	3,716
Four persons	621	2.774	2.521	2,902	2,791	3,278	3.334	4,352
Five persons	931	2,159	3,119	3,091	3,299	2,778	4,319	4,864
Six persons	1.000	2,188	2,517	3,582	3,710	4,226	4,058	5,303
Seven persons or more	1,250	2,938	3,914	4.642	4,291	5,191	4.563	5,570
Other family households:	.,	.,					.,	3,2.4
Two persons	991	1.472	1.769	1.782	2.539	2.732	2.468	2,938
Three persons	1.404	2,177	1,719	2, 329	2,958	3,250	3,272	3.546
Four persons	1,125	2,203	2,009	2,958	3,491	2.913	2.316	4,772
Five persons	931	2,159	3,119	3,091	3,299	2,778	4,319	4,864
Six persons	1,000	2,188	2,517	3,582	3,710	4,226	4,058	5,303
Seven persons or more	1,250	2,938	3,914	4,642	4,291	5,191	4,563	5,570
Nonfamily households:	•	(1	ĺ	{	1	i 1	
One person	714	1,123	1,303	1,600	1.637	1,782	2,123	2,626
Two persons or more	999	1.799	2,265	2,386	2,097	2.052	2,339	3,561

income ratios in order to compute recipient values. These ratios are shown in table 8-11 and were used in the estimation process throughout the 1979-84 period.

Since food stamps may have been received for a specified number of months during the year, the calculation of recipient value should be based only on the months during which the stamps were received. Data collected in the March CPS on the number of months received were used to account for these partyear recipients. This was accomplished by transforming the average annual normal food expenditures and market value of food stamps to average monthly figures. In these cases, if the average monthly normal expenditure was less than the average monthly food stamp amount, the annual recipient value was made equal to the average monthly normal expenditure multiplied by the number of months in which food stamps were received. If the monthly normal expenditure was greater than the market value, the annual recipient value equaled the annual market value of food stamps.

School lunches. Estimating normal expenditures for school lunches is difficult since virtually all school children eating lunches prepared at school are participating in the program; i.e., there is no private market from which to estimate normal expenditures. Given this problem and the relatively small size of the benefits, a decision was made to assign recipient values to school lunch benefits that were equal to the market value of these benefits.

Public or other subsidized rental housing. Estimates of recipient value for public housing tenants were based on data from the 1979 and 1981 Annual Housing Survey as were the estimates of market value. The first step in the procedure was tabulation of average or normal annual rental expenditures in the private market place—in this case, rental units in nonpublic housing. Data for 1979 and 1981 were combined to increase the sample size in order to stabilize the average ental amounts. The normal expenditure estimates tabulated for the recipient value calculations are shown in table 8-12.

The second step, calculation of recipient value for public housing, is somewhat more complicated than for food stamps because the recipients pay a reduced price rather than obtaining the goods at no cost. First, the market rent established as part of the market value procedures (table B-2) was compared to the appropriate normal expenditures (table B-2) was compared to the appropriate normal expenditures (table B-2) was compared to the appropriate normal expenditures (table B-12. If the market rent figure was less than the normal expenditure, the recipient value was assigned to be equal to the market value of the benefit. If the market rent figure was greater than the normal expenditure, the recipient value was determined as the difference between the normal expenditure and the subsidized rental payment (table B-4). In practice, the average figures shown

Table B-11, Annual Food Expanditure-to-Income Ratios, by Total Household Money Income and Size of Family Unit

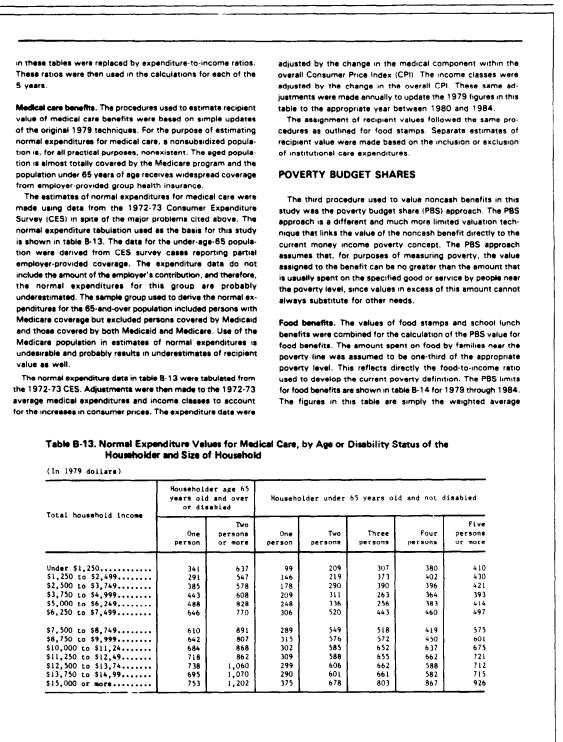
(Combined data from 1980, 1981, and 1982 Current Expenditure Survey Monthly Diaries)

			Total	household	money in	come		
Size of family unit	Less than \$5,000	\$5,000 LO \$7,499	\$7,500 to \$9,999	10	. LO	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 or more
Householder 65 years and over: One person	. 286 . 399	. 221 . 284	.170 .244	.149 .228	.102 .186	.102 .148	.128 .151	.074 .101
Householder under 65 years in Married-couple family households:								
Two persons	.480	.286	.237	.222	.172	.177	.156	1 .09
Three persons	. 391	.411	.274	.215	,190	.188	.155	.10
Four persons	.409	.419	.282	.256	.204	.202	.179	.12
Five persons	.378	.332	.365	.270	.241	.172	.232	.13
Six persons	.400	.350	.274	.327	.270	.262	.216	.14
Seven persons or more	.500	.470	.435	.417	.312	.315	.239	.16
Other family households:	[(1	[[((1
Two persons	.342	.244	.203	.160	.184	.170	.132	.09
Three persons	.490	. 344	.200	.210	.213	.203	.176	
Four persons	.450	.374	.225	.263	.255	.179	.121	.14
Five persons	.378	.332	.365	.270	.241	.172	.232	.13
Six persons	.400	.350	.274	.327	.270	.262	.216	.14
Seven persons or more	.500	.470	.435	.417	.312	.315	.239	.16
Nonfamily households:	[1	1	1	1	1	1	1
One person	. 266	.183	.152	.144	.120	.112	.115	.08
Two persons or more	.340	.280	.252	.209	.150	.126	.129	.10

Table B-12. Mean Annual Normal Expenditures for Rental Units in Nonsubsidized Housing, by Total Household Money Income and Size of Family Unit

(Figures in dollars. Combined data from 1979 and 1981 Annual Housing Survey)

			Totai	househol	d money i	ncome		
Size of family unit	Less	\$5,000	\$7,500	\$10,000	\$12,500	\$15,000	\$17,500	\$20,00
	than	to	to	to	to	to	to	0
	\$5,000	\$7,499	\$9,999	\$12,499	\$14,999	\$17,499	\$19,999	mor
Householder 05 years and over:								
One person	2.092	2.702	3,002	3.073	3,583	4,023	3,439	3,91
Two persons or more	2,396	2,805	3,223	3,546	3,356	3,690	3,798	4,67
Householder under 65 years in				}	ł	ł	}	
Married-couple family	1				ł	1		
households:				ł	1	1	1	1
Two persons	2.680	2.821	2.864	3.181	3,140	3,165	3,316	4,44
Three persons	2.836	2.846	2 889	3.134	3,284	3,502	3,574	4,49
Four persons	3,115	3,042	3,247	3,207	3,422	3,387	3,647	4,78
Five persons	2,829	2,852	3,118	3,498	3,513	3,567	3,500	4,86
Six persons	3,799	2,973	2,927	3,201	3,618	2,806	4,024	4,10
Seven persons or more	3,307	2,094	2,965	3,405	3,511	3,870	4,161	4,70
Other family households:				í	1	1	([
Two persons	2,721	3,032	2,991	3,197	3,479	3,574	3,733	4,48
Three persons	2,819	2,930	3, 317	3,274	3,572	3,520	3,515	4,75
Four persons	2,971	3,027	3,324	3,680	3,209	3,873	3,514	4,6
Five persons	2,773	3,414	3,616	3,214	3,065	3,803	4,046	4,16
Six persons	2,614	3,346	3,358	3,042	3,566	2,498	3,468	4,18
Seven persons or more	3,209	3,204	3,204	3,467	3,332	2,383	3,594	4,60
Nonfamily households:			ſ	1	1	(۱.	1
One person	2,306	2,480	2,632	2,858	3,012		3,352	4,20
Two persons	2,934	3,082	3,264	3,436	3,449	3,595	3,451	4,6
Three persons or more	3,061	3,238	3,870	3,902	4,703	3,975	4,623	6,20



	(Figures in doilars)						
	Size of family unit	1979	1980	1981	1982	1983	19
		+				<u>+</u>	
	One person (unrelated individual)	1,228	1,395	1,540	1,634	1,687	1,7
	15 to 64 years	1,258	1,429	1,576	1,673	1,727	1,8
	of years and over	1,157	1,314	1,453	1,542	1,592	1,6
	Two persons	1,567	1,779	1,972	2,094	2,161	2,2
	Householder 15 to 64 years	1,619	1,839	2,037	2,162	2,232	2,3
	Householder 65 years and over	1,455	1,651	1,833	1,945	2,008	2,0
	Three persons	1,921	2,180	2,417	2,564	2,646	2.7
	Four persons	2,462	2,795	3,096	3,287	3, 393	3,5
	Five persons	2,912	3,308	3,669	3,895	4,016	4,1
	Six persons	3,283	3,738	4,150	4,402	4,543	4,7
	Seven persons (or more ¹)	4,071	4,628	4,703	5,012	5,167	5,3
	Eight persons	(X) (X)	(X) (X)	5,218 6,191	5,573	5,723	5,9 7,0
	et value of food stamps and school lunch to t market value was greater than the PBS limit, t		•	c housing wa	s made equal	the PBS limit to the mark	
nark f the vas he f ubli he 1 base 3-15		he PBS value e was lower, S values for nputed using S limits were hown in table me spent on ormes within	for publi subsidy Medical were co the pov which w Survey, v for medi expansit	c housing wa care. The PBS mputed using arty line as u vere derived fi are shown in vere selected cal care that e on of employ		to the mark ncash medic enditure to ir ivious study -61 Consum he data fror reflect exper o the Medica anefits. The	et valu al care come . Thes er Exp n the re prog PBS v

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	or Public or Housing,	Table B-16. Poverty Sudget Shares fo Benefits, by Size of Fam	
by Size of Family Unit		(Ratios based on 1960-61 Consumer Exp	enditure Surve
Size of family unit	Expenditure-	······································	funder and the second
	to-income	Size of family unit	Expenditire- to-income
	ratio	Size of tamily unit	ratio
Householder n5 years and over:			·
One person	.567	One person (unrelated individual):	
Two persons or more	. 525	l5 to 64 years 65 years and over	
louseholder under 65 years in		Two persons:	
Married-couple family households:		Householder 15 to 64 years	.050
Two persons	. 498	Householder 55 years and over	.103
Three persons	.440	Three persons	.053
faur persons	. 384	Four persons	.044
Five persons	. 324	Five persons	.054
Six persons	.288	Six persons or more	.048
Seven persons or more	.270		L
Other family households:			
Two persons	.548		
Three persons	.471		
Four persons	.401		
Five persons	.344		
Six persons	.299		
Seven persons or more	. 306		
Nonfamily households:			
One person	.572		
Two persons	.522		
Three persons or more	.487		

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Information Reported by the Bureau of the Census Concerning SIPP Data Quality

Two major determinants of the quality of income data collected in household surveys are the magnitude of missing responses and the accuracy of the responses that are provided. This appendix has been included to supply information concerning nonresponse rates for selected income questions, the average amounts of income reported in the survey or assigned in the imputation of missing responses, and the extent to which the survey figures underrestimate numbers of income recipients and amounts of income received.

Nonresponse in this discussion refers to missing responses to specific questions or "items" on the questionnaire. Noninterviews or complete failure to obtain cooperation from any household member have not been considered in this examination of nonresponse rates. Adjustments to account for noninterviews are made by proportionally increasing the survey weights of interviewed households. Missing responses to specific questions are assigned a value in the imputation phase of the data processing operation.

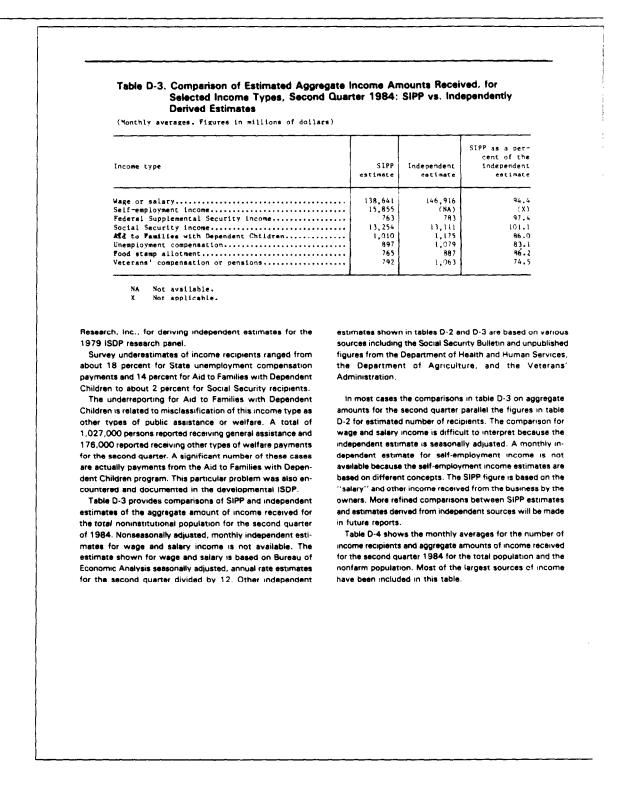
Nonresponse is a very important factor in assessing the quality of survey data. Nonresponses to income questions cannot be considered random since experience has shown that persons with the highest nonresponse rates have reported characteristics such as education levels and occupations that, in general, differ from population averages. The most frequent causes of nonresponse are the inability of the respondent to answer the question because of either a 1) lack of knowledge or 2) refusal to answer. The first reason is especially important in situations of proxy response when one household member answers questions for another household member not present at the time of the interview. The practice of accepting proxy interviews from household members deemed "qualified" to answer is a standard procedure in the CPS and most other surveys conducted by the Bureau. During the third and fourth interview periods of SIPP, about 35 percent of the interviews were taken from proxy respondents.

The magnitude of nonresponse is generally presented in terms of a nonresponse rate computed by dividing the number of nonresponses by the total number of responses that should have been provided. The first two columns of table D-1 show the number of persons with income and nonresponse rate for a selected group of income amount questions from SIPP for the second quarter of 1984. Nonresponse rates for the March 1984 CPS based on annual income amount questions are shown in the third column.

Table D-1. Persons Nonresponse Rates for SIPP and the March 1984 CPS, and Median Monthly Amounts Reported and Imputed, for Selected Income Types

	1984 sec	SIPP cond quarter v average	March	SIPP median monthly average amounts			
Income type	Number with income (thous.)	Nonresponse rate for amounts received	1984 CPS nonresponse rate for amounts received	Reported	Imputed		
Wage or salary	96,902	7.5	17.4	\$1,133	\$1,207		
Self-employment income Federal Supplemental Security	8,371	16.2	25.2	826	1,083		
1ncome	3,511	8.4	16.5	201	271		
Social Security income Aid to Families with Dependent	32,441	11.6	20.1	401	412		
Children	3,177	6.9	13.4	297	261		
Unemployment compensation	2,269	13.6	19.0	388	292		
Company or union pensions	7,938	14.0	22.6	238	256		
Food stamp allotment	6,812	6.3	12.7	101	83		
pensions	3,503	11.2	16.6	128	98		





	Total		Nonfarm		
Income type	Number with income (thousands)	Aggregate amount (millions of dollars)	Number with income (thousands)	Aggregate amount (millions of dollars)	
age or salary elf-employment income	97,086 8,372	138,641 15,855	95,368 7,807	136,621 13,803	
ocial Security income	32,432	13,254	31,478	12,899	
ederal Supplemental Security income	3,492	763	3,454	758	
tate unemployment compensation	2,212	897	2,201	892	
eterans' compensation or pensions orkers' compensation id to Families with Dependent	3,503 653	792 432	3,441 639	784 427	
Children	3,171	1,010	3,146	1,004	
eneral assistance	1,027	202 741	1,022	201	
	3,119 482	227	3,094 482	227	
ompany or union pensions	7,936	2,916	7,829	2,876	
ederal employee pensions	1,812	1,638	1,789	1,616	
.S. military pensions	1,313	1,317	1,298	1,306	
tate government employee pensions ocal government employee pensions	1,987 834	1,043	1,917 819	1,009	
states and trustsncome from paid-up life insurance or	315	246	311	245	
other annuities oney from relatives or friends nterest income from regular savings accounts, money market deposit accounts, certificates of deposit or	741 1,266	186 497	726 1,253	183 495	
other savings certificates, and interest-bearing checking accounts nterest income from money market funds, U.S. government securities, municipal or corporate bonds, and	101,454	6,514	98,661	6,291	
other interest-bearing assets	10,452	1,769	10,254	1,713	
nterest on mortgages	3,485 20,095	897 3,188	3,377 19,640	3,106	
et rentai income	9,902	1,458	9,484	1,+32	
ncome from royalties and other			•		
financial investments	2,838	!,532	2,659	1,467	

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Appendix III

Sampling Errors for Key SIPP Data

Two- to four-member AFDC families living alone	Estimated amount	Estimated sampling error at 95-percent confidence level
Average monthly income		
Market value	\$819	\$50
Recipient value	646	50
Percentage participating in other welfare programs		
Medicaid	100%	•
Food stamps	96	3
School lunch	57	8
Public housing	17	11
Section 8 housing	15	11
WIC	18	11
Percentage above the poverty line	,	
At market value		
Cash only	8	4
Cash and food stamps	13	
Cash, food, and housing	26	e
Cash, food, housing, and Medicaid	60	7
At recipient value		
Cash only	8	4
Cash and food stamps	12	5
Cash, food, and housing	21	6
Cash, food, housing, and Medicaid	27	6
Average monthly income by family size		
At market value		
Two recipient	\$655	\$40
Three recipient	767	50
Four recipient	1,039	110
At recipient value		
Two recipient	522	40
Three recipient	597	50
Four recipient	824	120
Average AFDC payment by family size		
Two recipient	262	30
Three recipient	316	30
Four recipient	401	50

Comparison groups	Estimated amount	Estimated sampling error at 95-percent confidence level
Two- to four-member welfare families not receiving AFDC	<u> </u>	
Average monthly income		
At market value		······
Single parent	\$1,024	\$100
Married couple	1,399	120
Percentage above the poverty line		
At market value	<u> </u>	<u> </u>
Single parent	71%	69
Married couple	79	5
Households with two to four AFDC recipients and persons not receiving AFDC	· <u> </u>	
Average monthly income at market value	\$1,674	\$210
All U.S. households—percentage participating in selected welfare programs		
Medicaid coverage	9%	29
Food stamps	7	2
School lunch	7	2
WIC	2	2
Housing assistance	4	2
SSI	3	2
AFDC	3	2

^aEstimated sampling error computed using the Census Bureau procedures for SIPP described in SIPP Wave III Documentation.

Sampling Errors for Key County Estimates

	Estimated amount	Estimated sampling error at 95- percent confidence	95-percent confidence interval		
Two- to four-member AFDC f	amilies living alone				
Average monthly income at n	narket value				
Alameda County	\$1,017	\$41	\$975	- \$1.058	
Albany County	906	21	885	- 926	
Cuyahoga County	790	14	776	- 804	
Fulton County	930	32	897	- 962	
Average AFDC payments					
Alameda County	540	16	523	- \$556	
Albany County	392	10	381	- 402	
Cuyahoga County	288	5	283	- 293	
Fulton County	246	6	239	- 252	
Percentage participating in o	ther major welfare prog	rams			
Alameda County					
Medicaid	100%	0%	100	- 100	
Food stamps	89	4	85	- 93	
Public housing	23	3	20	- 26	
Section 8 housing	9	5	4	14	
School meals	69	6	63	. 75	
WIC	16	4	12	- 20	
Albany County					
Medicald	100	0	100	. 100	
Food stamps	99	4	95	100	
Public housing	19	4	15	- 24	
Section 8 housing	14	4	10	- 18	
School meals	43	5	39	- 48	
WIC	39	5	33	. 44	
Percentage participating in of	ther major welfare progr	ams			
Cuyahoga County					
Medicaid	100%	0%	100	· 10	
Food stamps	97	2	95	. 9	
Public housing	7	3	4	- 1	
Section 8 housing	6	3	3	• .	
School meals	60	6	54	- Ē	
WIC	22	5	17	. ;	

	Estimated amount	Estimated sampling error at 95- percent confidence	conf	ide	ercent dence erval	
Fulton County						
Medicaid	100	0	100	•	100	
Food stamps	94	3	92	-	97	
Public housing	49	6	43	-	55	
Section 8 housing	27	5	22	•	32	
School meals	63	5	58	-	68	
WIC	17	4	13	-	21	
Average income for AFDC fa	milies living in subsidize	d housing				
Alameda County	\$1,327	\$119	\$1,208	-	\$1,446	
Albany County	1,023	29	994	-	1,051	
Cuyahoga County	1,050	32	1,018	•	1,083	
Fulton County	1,012	25	987	•	1,037	
Two- to four-member AFDC f	amilies living alone or w	ith others not	receiving) A	FDC*	
Average income for AFDC fa	milles with earnings					
Alameda County	\$1,175	\$171	\$1,004	-	\$1,347	
Albany County	1,085	59	1,025	-	1.144	

^aData include only income and benefits of the AFDC-covered members of these households

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GAO/HRD-88-9 AFDC Family Incomes

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