

Primary family.--A primary family consists of two or more persons including the head of the household and all (one or more) persons in the household who are related to the head by blood, marriage, or adoption. It may include a subfamily consisting of a married couple with or without children, or one parent with one or more children under 18 years of age, living in the household and related to but not including the head of the household or his wife. The subfamily is considered a part of the primary family for all tabulation purposes.

Secondary family.--A secondary family consists of two or more persons, such as a lodger or servant and his relatives, living in a household and related to each other but not related to the household head. The secondary family is considered a separate family for tabulation purposes.

Minor.--A minor is an unmarried person under 21 years of age other than the head of a family or his wife.

Dilapidation.--A dwelling unit is considered to be dilapidated when it has serious deficiencies, is rundown or neglected, or is of inadequate original construction, so that it does not provide adequate shelter or protection against the elements or it endangers the safety of the occupants.

Plumbing facilities.--The following are the three plumbing facilities tabulated:

1. Flush toilet inside the structure for the unit's exclusive use;
2. Installed bathtub or shower inside the structure for the unit's exclusive use; and
3. Hot and cold running water inside the structure.

Exclusive use.--Equipment is for "exclusive use" if it is used only by the occupants of one dwelling unit.

Shared.--Equipment is "shared" when occupants of two or more units use the same equipment.

Family income.--Family income is the sum of the income received during 1949, by all members of the family. The following items were asked separately for the head of the family and for all other members of the family combined:

1. The amount of money wages or salary received in 1949;
2. The amount of net money income received from self-employment in 1949; and

3. The amount of other money income received in 1949, such as interest, dividends, veterans' allowances, pensions, or rents.

Gross rent.--Monthly gross rent is contract rent plus the reported average monthly cost of water, electricity, gas, and other fuel paid for by the renter. If furniture is included in the contract rent, the reported estimated rent of the dwelling unit without furniture is used for the computation instead of the contract rent.

SOURCE AND RELIABILITY OF THE DATA

The data in tables 1 through 4 are based on complete counts, including all dwelling units and families with the specified characteristics. The distributions involving income in tables 4a and 5, however, were prepared from data collected on a sample basis. As part of the 1950 Census, family income data were obtained from about one-fifth of all families. For these tabulations, additional interviews were made to increase the income sample above the 20 percent level. This was accomplished by a subsequent field enumeration of a sample of families who were not in the original sample but were living in substandard dwelling units.

Although the figures shown in tables 1 through 4 are based on the same data as the forthcoming 1950 Census tabulations of these items, they may differ from those to be published as part of the Census. The present tables were obtained by tabulating directly the data as transcribed in the field offices of the Census Bureau and the figures, therefore, do not include all of the refinements that result from a careful examination of the schedules.

In addition, the data are subject to other biases due to errors of response or nonreporting which cannot be corrected in editing. Factors affecting the accuracy of enumeration include the respondent's knowledge of the facts and the ability of the enumerator to obtain accurate information on such items as income, rent, dilapidation and plumbing facilities. The regular 1950 tabulations are also subject to these biases.

Reliability of Estimates in Tables 4a and 5

Because of sampling variability, percentage distributions shown in table 4a and all figures in table 5 may differ from those that would have been obtained from a complete count. (The absolute figures in table 4a represent complete

counts and are not subject to sampling variations.) The reliability estimates which follow give approximate measures of the sampling errors to be expected in these sample data.

Reliability of the percentages in tables 4a and 5.--The allowance to be made for sampling variation in a percentage depends, in general, both on the value of the percentage and the size of the base on which it is determined. If two percentages are of the same magnitude, the one based on a large number of cases in the sample

is, in general, less variable than the one based on a small number of sample cases.

Estimates of reliability are shown in the following table for percentages with bases of primary families of the specified types. The chances are about 19 out of 20 that the differences due to sampling variability between the percentages obtained from the sample and the percentages which would have been obtained from a complete census would be less than the sampling errors shown below.

Percentage shown in table	Sampling variability if the base is--					
	All primary families in substandard dwelling units			All primary families with no subfamily or secondary family present, in substandard renter units		
	Total	Owner	Renter	Total	No minors	With minors
0.5	0.8	(¹)	0.9	0.9	(¹)	(¹)
1.0	1.1		1.3	1.3		
2.0	1.5		1.8	1.8		
3.0	1.9		2.2	2.2		
4.0	2.2		2.5	2.5		
5.0	2.4		2.8	2.8		
10.0	3.3		3.8	3.9		
15.0	4.0		4.6	4.6		
20.0	4.4		5.1	5.2		
25.0	4.8		5.5	5.6		
30.0	5.1		5.9	5.9		
40.0	5.4		6.3	6.3		
50.0	5.5		6.4	6.5		

¹ Omitted because percentage distribution is not shown.

To illustrate, for a figure of 10 percent based on all primary families living in substandard renter dwelling units, the sampling variability is 3.8 percent; the chances are about 19 out of 20 that the percentage obtained by a complete census would have been between 6.2 percent and 13.8 percent.

Reliability of absolute figures in table 5.--The approximate sampling variability of the absolute figures in table 5 is shown below. The chances are 19 out of 20 that the differences between the numbers shown in table 5 and the numbers that would have been obtained from a complete census would be less than the sampling errors which follow.

Classification	Absolute figure in table 5	Sampling variability
Total.....	436	9
No minors.....	170	28
With minors.....	266	28

Reliability of differences.--The estimates of sampling variability shown in the above tables are not directly applicable to differences obtained by subtracting one figure from another. The sampling variability in an observed difference between two figures depends on the sampling variability of each of the figures and the correlation between them.

Table 1.—STRUCTURAL AND OCCUPANCY CHARACTERISTICS, CONDITION, AND PLUMBING FACILITIES OF OCCUPIED SUBSTANDARD DWELLING UNITS, BY TENURE, FOR RICHMOND, CALIFORNIA: 1950

(A substandard dwelling unit is defined by the Public Housing Administration as a unit which is either dilapidated or does not have all of the following plumbing facilities: flush toilet and bath inside the structure for the unit's exclusive use, and hot running water)

Characteristic	Total	Owner	Renter	Characteristic	Total	Owner	Renter
Total number occupied substandard dwelling units.....	980	188	742	NUMBER OF LODGERS			
Percent of total.....	100.0	20.2	79.8				
NUMBER OF ROOMS				Total.....			
Total.....	100.0	100.0	100.0	None.....	98.7	88.8	94.9
1 room.....	10.0	3.7	11.6	1 or more lodgers.....	6.3	11.2	5.1
2 rooms.....	34.3	9.0	40.7	CONDITION AND PLUMBING FACILITIES			
3 rooms.....	23.0	14.4	25.2	Total.....			
4 rooms.....	14.9	29.8	11.2	100.0	100.0	100.0	
5 rooms.....	11.3	28.2	7.0	Not dilapidated:			
6 rooms.....	3.4	8.5	2.2	With private bath and private flush toilet, no hot running water.....	2.5	5.3	1.8
7 rooms.....	1.3	5.3	0.3	With private flush toilet, no private bath.....	4.2	9.0	3.0
8 rooms or more.....	0.9	1.1	0.8	With running water, no private flush toilet.....	38.0	16.5	43.4
Not reported.....	0.9	-	1.1	No running water inside the structure	3.4	2.1	3.8
CONDITION				Dilapidated:			
Total.....	100.0	100.0	100.0	With private bath and private flush toilet, hot and cold running water..	36.2	57.4	30.9
Not dilapidated.....	48.9	33.0	53.0	With private bath and private flush toilet, no hot running water.....	1.3	2.7	0.9
Dilapidated.....	49.8	67.0	45.4	With private flush toilet, no private bath.....	1.5	3.2	1.1
Not reported.....	1.3	-	1.6	With running water, no private flush toilet.....	8.7	3.2	10.1
WATER SUPPLY				No running water inside the structure			
Total.....	100.0	100.0	100.0	2.9	0.5	2.8	
Hot and cold piped running water inside structure.....	77.7	77.7	77.8	Not reporting condition or plumbing facilities.....			
Only cold piped running water inside structure.....	16.7	19.7	15.9	2.3	-	2.8	
No piped running water inside structure	5.6	2.7	6.3	CONDITION BY NUMBER OF PLUMBING FACILITIES			
Not reported.....	-	-	-	Total.....			
TOILET FACILITIES				100.0	100.0	100.0	
Total.....	100.0	100.0	100.0	Not dilapidated:			
Flush toilet inside structure, exclusive use.....	46.2	77.7	38.3	Lacking 1 facility.....	6.1	10.6	5.0
Flush toilet inside structure, shared..	37.1	11.7	43.5	Lacking 2 facilities.....	32.8	16.5	36.9
Other toilet facilities (including privy).....	16.0	10.6	17.4	Lacking 3 facilities.....	9.1	5.9	10.0
Not reported.....	0.6	-	0.8	Dilapidated:			
BATHING FACILITIES				With all facilities.....			
Total.....	100.0	100.0	100.0	36.2	57.4	30.9	
Installed bathtub or shower inside structure, exclusive use.....	42.3	67.6	35.8	Lacking 1 facility.....	1.8	4.3	1.2
Installed bathtub or shower inside structure, shared.....	37.5	13.8	43.5	Lacking 2 facilities.....	7.0	4.3	7.7
Other or none.....	19.6	18.6	19.8	Lacking 3 facilities.....	4.6	1.1	5.5
Not reported.....	0.6	-	0.8	Not reporting condition or plumbing facilities.....			
NUMBER OF PERSONS				2.3	-	2.8	
Total.....	100.0	100.0	100.0	NUMBER OF DWELLING UNITS IN STRUCTURE			
1 person.....	35.2	25.5	37.6	Total.....			
2 persons.....	26.5	26.6	26.4	100.0	100.0	100.0	
3 persons.....	13.5	13.8	13.5	1 dwelling unit.....			
4 persons.....	10.2	11.2	10.0	38.4	75.5	29.0	
5 persons.....	6.6	9.6	5.8	2 to 4 dwelling units.....	31.8	22.3	34.2
6 persons.....	3.7	5.3	3.2	5 or more dwelling units.....	29.8	2.1	36.8
7 persons.....	1.4	1.6	1.3				
8 persons.....	1.2	1.1	1.2				
9 persons or more.....	1.8	5.3	0.9				

Table 2.--CONTRACT AND GROSS RENT OF RENTER-OCCUPIED SUBSTANDARD DWELLING UNITS,
FOR RICHMOND, CALIFORNIA: 1950

(See table 1 for the Public Housing Administration definition of substandard dwelling unit)

Monthly contract rent	Total	Furniture in rent	Total	Monthly gross rent	Total
Total number renter-occupied substandard dwelling units.	742	Total, percent.....	100.0	Total, percent.....	100.0
Total, percent.....	100.0	Furniture included in contract rent.....	60.4	\$9 or less.....	8.5
\$9 or less.....	12.5	Furniture not included in contract rent.....	33.0	\$10 to \$14.....	5.0
\$10 to \$14.....	3.4	Not reported.....	6.6	\$15 to \$19.....	11.6
\$15 to \$19.....	8.5			\$20 to \$24.....	16.3
\$20 to \$24.....	15.2			\$25 to \$29.....	15.5
\$25 to \$29.....	16.4			\$30 to \$34.....	15.1
\$30 to \$34.....	13.7			\$35 to \$39.....	7.8
\$35 to \$39.....	12.8			\$40 to \$49.....	8.0
\$40 to \$49.....	11.6			\$50 or more.....	5.1
\$50 or more.....	5.1			Not reported.....	7.1
Not reported.....	1.2				

Table 3.--CONDITION AND PLUMBING FACILITIES OF RENTER-OCCUPIED SUBSTANDARD DWELLING UNITS, BY GROSS RENT,
FOR RICHMOND, CALIFORNIA: 1950

(See table 1 for the Public Housing Administration definition of substandard dwelling unit)

Condition and plumbing facilities	Total	Monthly gross rent							
		\$19 or less	\$20 to \$24	\$25 to \$29	\$30 to \$34	\$35 to \$39	\$40 to \$49	\$50 or more	Not reported
Total number renter-occupied substandard dwelling units.....	742	186	121	115	112	58	59	38	58
Percent of total.....	100.0	25.1	16.3	15.5	15.1	7.8	8.0	5.1	7.1
Not dilapidated:									
With private bath and private flush toilet, no hot running water.....	1.8	0.8	0.4	0.1	0.1	-	0.1	-	0.1
With private flush toilet, no private bath....	3.0	0.4	0.9	0.5	0.4	0.3	-	0.3	0.1
With running water, no private flush toilet...	43.4	13.5	8.4	6.7	6.5	1.5	3.0	1.1	2.8
No running water inside structure.....	3.8	2.0	0.3	0.1	-	-	-	-	1.3
Dilapidated:									
With private bath and private flush toilet, hot and cold running water.....	30.9	1.9	3.0	5.0	6.6	5.7	4.6	3.5	0.7
With private bath and private flush toilet, no hot running water.....	0.9	0.7	-	0.1	0.1	-	-	-	-
With private flush toilet, no private bath....	1.1	0.5	0.4	-	-	-	-	-	0.1
With running water, no private flush toilet....	10.1	2.4	2.4	2.6	1.2	0.3	0.3	0.3	0.7
No running water inside structure.....	2.3	1.6	0.1	-	-	0.1	-	-	0.4
Not reporting condition or plumbing facilities..	2.8	1.2	0.4	0.3	0.1	-	-	-	0.8

Table 4.--CHARACTERISTICS OF FAMILIES IN SUBSTANDARD DWELLING UNITS BY TENURE,
FOR RICHMOND, CALIFORNIA: 1950

(See table 1 for the Public Housing Administration definition of substandard dwelling unit)

Characteristic	Total	Owner	Renter	Characteristic	Total	Owner	Renter
Total number of families..	584	134	450	NUMBER OF PERSONS PER ROOM IN DWELLING UNIT			
Percent of total.....	100.0	22.9	77.1		Total.....	100.0	100.0
TYPE OF FAMILY				0.50 or less.....	13.4	30.6	8.2
Total.....	100.0	100.0	100.0	0.51 to 0.75.....	17.8	20.9	16.9
Primary family.....	99.5	100.0	99.3	0.76 to 1.00.....	34.2	24.6	37.1
Secondary family.....	0.5	-	0.7	1.01 to 1.50.....	16.3	10.4	18.0
NUMBER OF PERSONS IN FAMILY				1.51 to 2.00.....	12.3	9.7	13.1
Total.....	100.0	100.0	100.0	2.01 or more.....	5.1	3.7	5.6
2 persons.....	42.3	38.8	44.0	Not reported.....	0.9	-	1.1
3 persons.....	19.9	15.7	21.1	NUMBER OF MINORS IN FAMILY			
4 persons.....	16.6	16.4	16.7	Total.....	100.0	100.0	100.0
5 persons.....	9.1	11.2	8.4	No minors.....	40.2	42.5	39.6
6 persons.....	5.3	6.7	4.9	1 minor.....	24.8	18.7	26.7
7 persons.....	2.4	3.0	2.2	2 minors.....	14.9	14.2	15.1
8 persons or more.....	3.9	8.2	2.7	3 minors.....	9.4	10.4	9.1
				4 minors.....	4.8	3.7	5.1
				5 minors.....	2.9	3.0	2.9
				6 minors or more.....	2.9	7.5	1.6

Table 4a.--INCOME IN 1949 OF PRIMARY FAMILIES IN SUBSTANDARD DWELLING UNITS, BY NUMBER OF MINORS AND TENURE,
FOR RICHMOND, CALIFORNIA: 1950

(See table 1 for the Public Housing Administration definition of substandard dwelling unit)

Family income by number of minors	Total	Owner	Renter	Family income by number of minors	Total	Owner	Renter
Total number of primary families.....	581	134	447	Two minors.....	15.3		15.2
Percent of total.....	100.0	23.1	76.9	\$999 or less.....	3.9		2.5
Total.....	100.0	(1)	100.0	\$1,000 to \$1,249.....	-		-
\$999 or less.....	14.2		11.4	\$1,250 to \$1,499.....	0.5		0.6
\$1,000 to \$1,249.....	4.3		4.4	\$1,500 to \$1,749.....	0.9		0.6
\$1,250 to \$1,499.....	3.9		4.4	\$1,750 to \$1,999.....	-		-
\$1,500 to \$1,749.....	2.8		1.9	\$2,000 to \$2,249.....	-		-
\$1,750 to \$1,999.....	1.5		1.9	\$2,250 to \$2,499.....	-		-
\$2,000 to \$2,249.....	4.3		4.4	\$2,500 to \$2,749.....	0.9		0.6
\$2,250 to \$2,499.....	3.4		4.4	\$2,750 to \$2,999.....	1.5		1.9
\$2,500 to \$2,749.....	3.6		3.2	\$3,000 to \$3,999.....	3.8		3.8
\$2,750 to \$2,999.....	5.7		5.7	\$4,000 to \$4,999.....	1.9		1.9
\$3,000 to \$3,999.....	27.3		28.5	\$5,000 or more.....	1.4		1.3
\$4,000 to \$4,999.....	10.5		10.1	Not reported.....	1.5		1.9
\$5,000 or more.....	5.2		4.4	Three or four minors.....	15.8		16.5
Not reported.....	8.2		10.1	\$999 or less.....	1.4		1.3
No minors.....	38.7		38.0	\$1,000 to \$1,249.....	1.0		1.3
\$999 or less.....	5.2		3.8	\$1,250 to \$1,499.....	0.5		-
\$1,000 to \$1,249.....	0.9		0.6	\$1,500 to \$1,749.....	-		-
\$1,250 to \$1,499.....	1.5		1.9	\$1,750 to \$1,999.....	-		-
\$1,500 to \$1,749.....	0.5		-	\$2,000 to \$2,249.....	1.5		1.9
\$1,750 to \$1,999.....	0.5		0.6	\$2,250 to \$2,499.....	0.5		0.6
\$2,000 to \$2,249.....	2.1		1.3	\$2,500 to \$2,749.....	1.9		2.5
\$2,250 to \$2,499.....	1.5		1.9	\$2,750 to \$2,999.....	1.4		1.3
\$2,500 to \$2,749.....	2.4		1.9	\$3,000 to \$3,999.....	5.3		5.7
\$2,750 to \$2,999.....	2.4		2.5	\$4,000 to \$4,999.....	0.9		0.6
\$3,000 to \$3,999.....	10.5		10.8	\$5,000 or more.....	-		-
\$4,000 to \$4,999.....	4.8		5.1	Not reported.....	1.4		1.3
\$5,000 or more.....	2.4		1.9	5 minors or more.....	5.2		4.4
Not reported.....	4.4		5.7	\$999 or less.....	0.5		-
One minor.....	24.9		25.9	\$1,000 to \$1,249.....	0.5		0.6
\$999 or less.....	4.3		3.8	\$1,250 to \$1,499.....	-		-
\$1,000 to \$1,249.....	1.9		1.9	\$1,500 to \$1,749.....	0.5		0.6
\$1,250 to \$1,499.....	1.5		1.9	\$1,750 to \$1,999.....	0.5		0.6
\$1,500 to \$1,749.....	1.0		1.3	\$2,000 to \$2,249.....	-		-
\$1,750 to \$1,999.....	0.5		0.6	\$2,250 to \$2,499.....	0.5		0.6
\$2,000 to \$2,249.....	1.0		1.3	\$2,500 to \$2,749.....	0.9		0.6
\$2,250 to \$2,499.....	1.0		1.3	\$2,750 to \$2,999.....	-		-
\$2,500 to \$2,749.....	2.4		2.5	\$3,000 to \$3,999.....	0.5		-
\$2,750 to \$2,999.....	0.5		-	\$4,000 to \$4,999.....	-		-
\$3,000 to \$3,999.....	7.2		8.2	\$5,000 or more.....	0.5		0.6
\$4,000 to \$4,999.....	2.9		2.5	Not reported.....	1.0		1.3
\$5,000 or more.....	0.9		0.6				
Not reported.....	-		-				

¹ Percentage distribution is not shown where the number of cases in the sample is less than 100.

Table 5.--RENT AS PERCENT OF INCOME BY FAMILY INCOME IN 1949 OF PRIMARY FAMILIES WITH NO SUBFAMILY OR SECONDARY FAMILY IN RENTER-OCCUPIED SUBSTANDARD DWELLING UNITS, BY PRESENCE OF MINORS, FOR RICHMOND, CALIFORNIA: 1950

(See table 1 for the Public Housing Administration definition of substandard dwelling unit)

Gross rent as percent of income by family income	Total	No minors	With minors	Gross rent as percent of income by family income	Total	No minors	With minors
Number of families.....	486	170	266	\$2,000 to \$2,499.....	7.8		
Percent of total.....	100.0	39.0	61.0	9 percent or less.....	-		
Total.....	100.0	(1)	(1)	10 percent to 14 percent.....	2.6		
9 percent or less.....	24.0			15 percent to 19 percent.....	3.2		
10 percent to 14 percent.....	27.9			20 percent to 24 percent.....	1.3		
15 percent to 19 percent.....	10.4			25 percent to 29 percent.....	-		
20 percent to 24 percent.....	10.4			30 percent to 34 percent.....	-		
25 percent to 29 percent.....	1.9			35 percent or more.....	0.6		
30 percent to 34 percent.....	-			\$2,500 to \$2,999.....	12.8		
35 percent or more.....	9.1			9 percent or less.....	1.9		
Not reported.....	16.2			10 percent to 14 percent.....	8.4		
\$1,499 or less.....	17.5			15 percent to 19 percent.....	0.6		
9 percent or less.....	2.6			20 percent to 24 percent.....	1.3		
10 percent to 14 percent.....	0.6			25 percent to 29 percent.....	-		
15 percent to 19 percent.....	1.3			30 percent to 34 percent.....	-		
20 percent to 24 percent.....	3.2			35 percent or more.....	-		
25 percent to 29 percent.....	1.9			\$3,000 or over.....	48.5		
30 percent to 34 percent.....	-			9 percent or less.....	19.5		
35 percent or more.....	7.8			10 percent to 14 percent.....	16.2		
\$1,500 to \$1,999.....	2.6			15 percent to 19 percent.....	4.5		
9 percent or less.....	-			20 percent to 24 percent.....	3.2		
10 percent to 14 percent.....	-			25 percent to 29 percent.....	-		
15 percent to 19 percent.....	0.6			30 percent to 34 percent.....	-		
20 percent to 24 percent.....	1.3			35 percent or more.....	-		
25 percent to 29 percent.....	-			Not reporting income or rent	16.2		
30 percent to 34 percent.....	-						
35 percent or more.....	0.6						

¹ Percent distribution is not shown where the number of cases in the sample is less than 100.