



HEADWATERS
ECONOMICS

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A Profile of the Environmental Justice in 3 County Study Area

Tulare California, Kern California, and Fresno California

Produced by the
Economic Profile System Analyst (EPSA)

October 13, 2008

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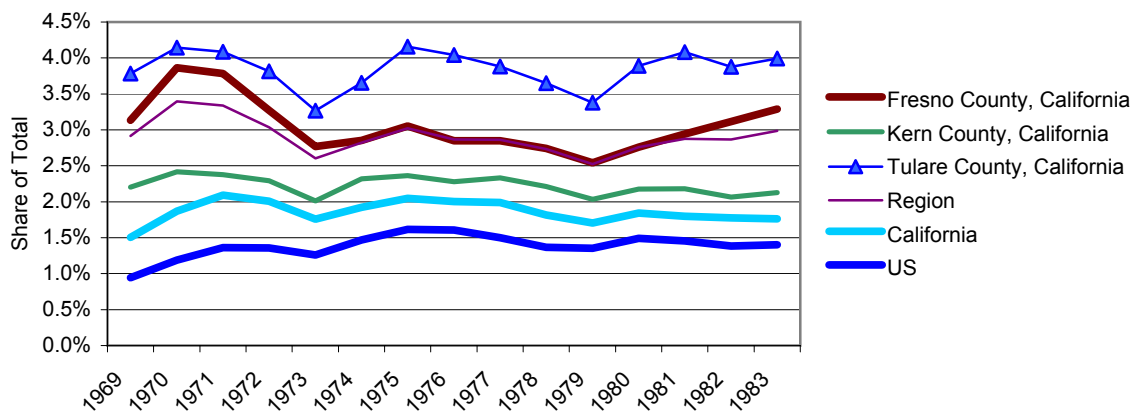
Indicators of Poverty

	California	Fresno California	Kern California,	Tulare California,
Poverty and Earnings				
Population (2006)	20,170,059	434,045	407,581	213,751
Population living below poverty	4,706,130	179,085	130,949	86,572
Percent Under Poverty	14%	23%	21%	24%
Families below poverty	845,991	33,175	26,467	16,502
Percent Under Poverty	11%	18%	17%	19%
Per Capita Income (2006)	39,626	27,081	25,938	24,153
Average Earnings Per Job (2006)	54,828	41,453	44,791	37,316
Components of Income				
Labor Income	999,166,720	15,980,379	13,874,440	6,529,126
Percent Under Total Personal Income	70%	67%	69%	65%
Non-labor Income	437,279,168	8,000,084	6,167,221	3,464,481
Percent Under Total Personal Income	30%	33%	31%	35%
Age-related	96,021,596	1,858,808	1,894,713	898,121
Percent Under Total Personal Income	6.7%	7.8%	9.5%	9.0%
Welfare	24,036,976	919,328	677,273	436,222
Percent Under Total Personal Income	1.7%	3.8%	3.4%	4.4%
Growth (90 to 06 Annual Rate in 2006 \$'s)				
Population	1.3%	1.9%	2.3%	1.9%
Employment	1.3%	1.6%	2.2%	2.0%
Income	2.4%	2.2%	2.4%	2.2%
Per Capita Income	1.2%	0.3%	0.1%	0.4%
Average Earnings	1.2%	0.6%	0.2%	0.6%

Cells are green when the value exceeds the value for the state by at least 20%, red when it is at least 20% lower than the state. Rows with levels are not color coded because counties are always lower than the state.

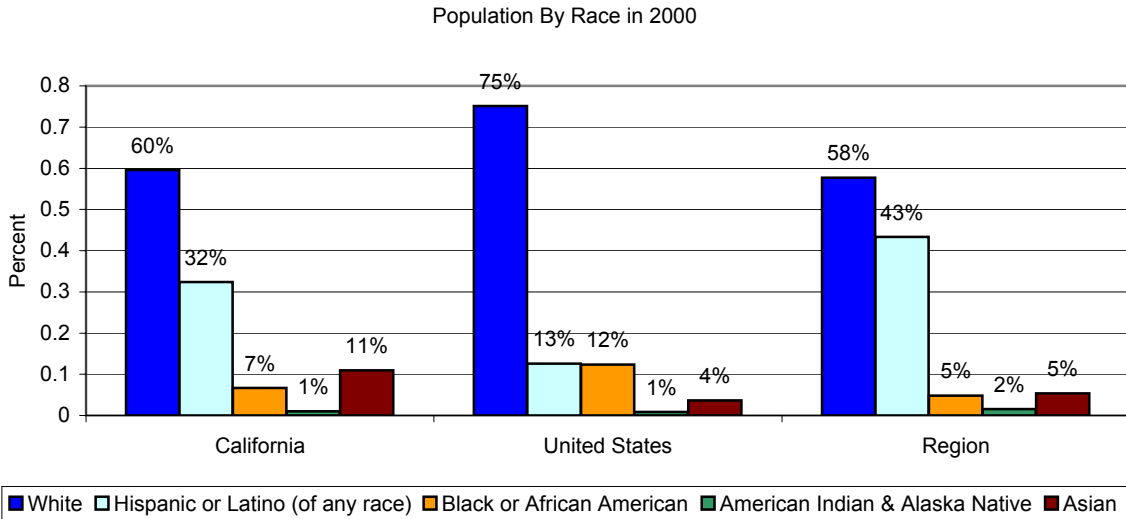
Welfare payments as a % of Total Personal Income

Income Maintenance (Welfare) as a Share of Total Personal Income



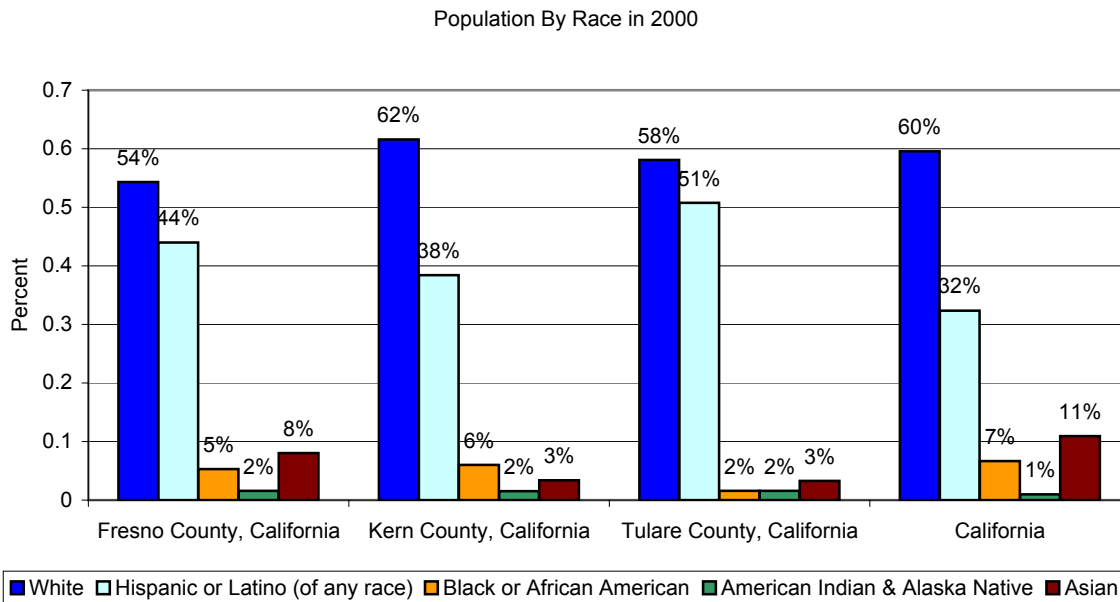
Population by Race in the Region

How does the region compare to the state and the nation.



Population by Race by County

How do the counties vary within the region.



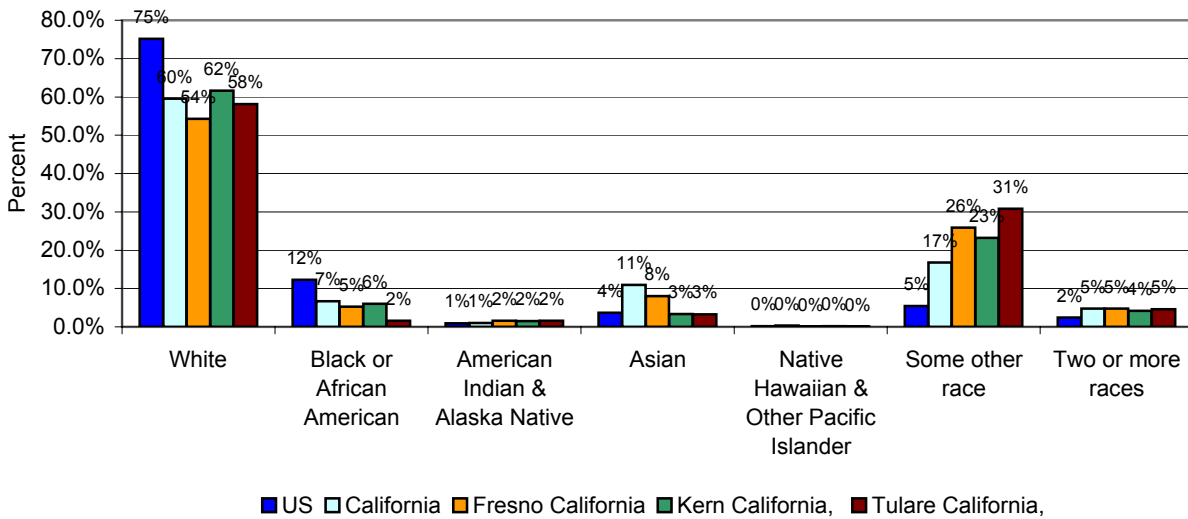
Source: BEA SPI 2007 and CBP 2006.

How does the region compare to the state and the nation?

Population by Race in the Region- Share of Total

	US	California	Fresno California	Kern California	Tulare California
Population	100.0%	100.0%	100.0%	100.0%	100.0%
White	75.1%	59.5%	54.3%	61.6%	58.1%
Black or African American	12.3%	6.7%	5.3%	6.0%	1.6%
American Indian & Alaska Native	0.9%	1.0%	1.6%	1.5%	1.6%
Asian	3.6%	10.9%	8.1%	3.4%	3.3%
Native Hawaiian & Other Pacific Islander	0.1%	0.3%	0.1%	0.1%	0.1%
Some other race	5.5%	16.8%	25.9%	23.2%	30.8%
Two or more races	2.4%	4.7%	4.7%	4.1%	4.6%

Population By Race in 2000



Population by Race in the Region

	US	California	Fresno California	Kern California	Tulare California
Population	281,421,906	33,871,648	799,407	661,645	368,021
White	211,460,626	20,170,059	434,045	407,581	213,751
Black or African American	34,658,190	2,263,882	42,337	39,798	5,852
American Indian & Alaska Native	2,475,956	333,346	12,790	9,999	5,737
Asian	10,242,998	3,697,513	64,362	22,268	12,018
Native Hawaiian & Other Pacific Islander	398,835	116,961	1,000	972	408
Some other race	15,359,073	5,682,241	207,061	153,610	113,317
Two or more races	6,826,228	1,607,646	37,812	27,417	16,938

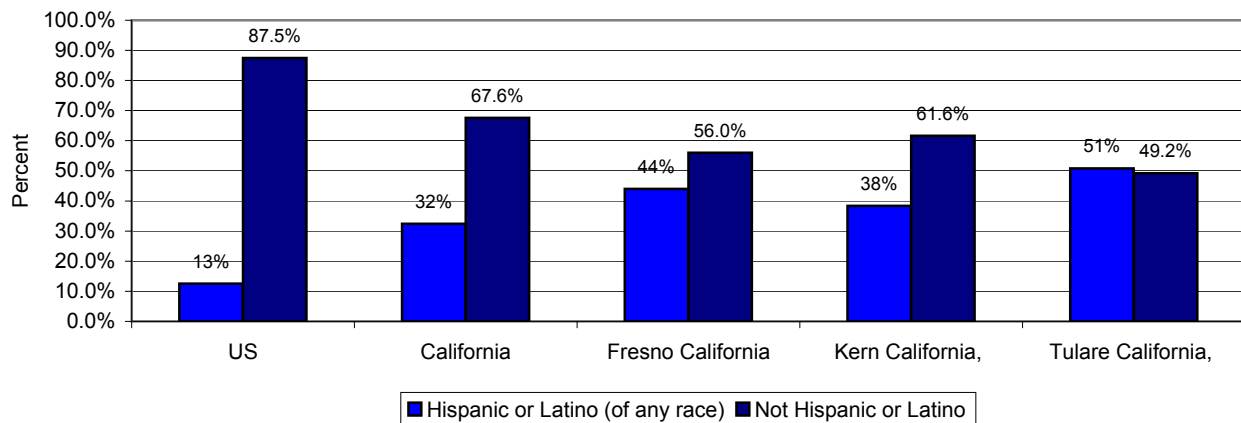
Universe: Total population

Cells are green when the value exceeds the value for the state by at least 20%, red when it is at least 20% lower than the state. Rows with levels are not color coded because counties are always lower than the state.

Hispanic Population by Race in 2000- Share of Total Population

	US	California	Fresno California	Kern California	Tulare California
Hispanic or Latino (of any race)	12.5%	32.4%	44.0%	38.4%	50.8%
White alone	6.0%	12.9%	14.6%	12.2%	16.3%
Black or African American alone	0.3%	0.2%	0.3%	0.3%	0.2%
American Indian and Alaska Native al	0.1%	0.5%	0.8%	0.6%	0.7%
Asian alone	0.0%	0.1%	0.2%	0.2%	0.2%
Native Hawaiian and Other Pacific Isl	0.0%	0.0%	0.0%	0.0%	0.0%
Some other race alone	5.3%	16.6%	25.7%	23.1%	30.7%
Two or more races	0.8%	2.1%	2.4%	2.1%	2.7%
Not Hispanic or Latino	87.5%	67.6%	56.0%	61.6%	49.2%
Total:	100.0%	100.0%	100.0%	100.0%	100.0%

Population By Race in 2000



Hispanic Population by Race in 2000

	US	California	Fresno California	Kern California	Tulare California
Hispanic or Latino (of any race)	35,305,818	10,966,556	351,636	254,036	186,846
White alone	16,907,852	4,353,269	116,523	80,391	59,835
Black or African American alone	710,353	81,956	2,046	1,953	730
American Indian and Alaska Native al	407,073	154,362	6,567	4,114	2,726
Asian alone	119,829	48,653	1,333	1,091	561
Native Hawaiian and Other Pacific Isl	45,326	13,225	318	244	151
Some other race alone	14,891,303	5,610,560	205,610	152,621	112,873
Two or more races	2,224,082	704,531	19,239	13,622	9,970
Not Hispanic or Latino	246,116,088	22,905,092	447,771	407,609	181,175
Total:	281,421,906	33,871,648	799,407	661,645	368,021

Cells are green when the value exceeds the value for the state by at least 20%, red when it is at least 20% lower than the state. Rows with levels are not color coded because counties are always lower than the state.

3 County Study Area

Tribal Affiliation - One Tribe Only

	US	State	Counties			County Subdivisions			
	United States	California	Fresno County, California	Kern County, California	Tulare County, California	Sierra CCD, Fresno County, California	Isabella CCD, Kern County, California	Johnsondale CCD, Tulare County, California	Springville e- Woodlake-Three Rivers CCD, Tulare County, California
People who are American Indian and Alaska Native alone - total tribes tallied for people with one tribe only; and people with no tribe reported: Total tribes tallied	2,423,457	324,938	12,536	9,684	5,611	838	375	563	136
Total tribes tallied	2,423,457	324,938	12,536	9,684	5,611	838	375	563	136
American Indian tribes; specified	1,705,935	194,070	7,355	5,855	3,399	622	274	487	76
Apache	57,060	9,907	393	254	132	15	8	-	3
Blackfeet	27,104	2,945	66	76	29	5	6	1	-
Cherokee	281,069	27,131	1,010	1,322	517	69	77	10	9
Cheyenne	11,191	609	10	22	22	-	-	-	-
Chickasaw	20,887								
Chippewa	105,907	3,503	66	53	15	11	2	-	1
Choctaw	87,349	7,540	275	529	206	18	10	5	7
Colville	7,833	203	4	6	6	-	-	-	-
Comanche	10,120	1,113	64	36	13	4	-	-	1
Cree	2,488	331	6	7	2	-	-	-	1
Creek	40,223	2,082	142	109	41	1	-	-	1
Crow	9,117	294	16	6	-	-	-	-	-
Delaware	8,304	576	14	6	5	-	-	-	-
Houma	6,798	75	-	3	-	-	-	-	-
Iroquois	45,212	2,201	40	30	13	3	9	1	-
Kiowa	8,559	394	13	11	5	3	-	-	-
Latin American Indians	104,354	41,225	2,025	1,037	667	13	1	-	23
Lumbee	51,913	480	11	21	13	-	-	-	-
Menominee	7,883	152	2	-	3	-	-	-	-
Navajo	269,202	8,034	167	201	51	3	2	2	-
Osage	7,658	835	18	20	8	1	2	-	-
Ottawa	6,432	331	7	13	3	1	-	-	-
Paiute	9,705	3,243	55	452	27	1	77	2	1
Pima	8,519	999	34	53	15	-	-	-	-
Potawatomi	15,817	1,355	71	61	38	1	-	-	1
Pueblo	59,533	4,341	51	58	37	2	3	2	-
Puget Sound Salish	11,034	325	18		2	-	-	-	-
Seminole	12,431	756	48	33	21	4	-	-	-
Shoshone	7,739	1,074	14	45	16	-	3	2	-
Sioux	108,272	5,588	95	84	71	1	13	2	4
Tohono O'Odham	17,466	1,143	65	20	11	-	-	-	1
Ute	7,309	397	4	2	7	-	-	-	-
Yakama	8,481	194	3	7	-	1	-	-	-
Yaqui	15,224	3,801	237	152	63	2	6	1	-
Yuman	7,295	2,127	16	10	16	-	-	2	2
All other tribes	240,447	57,115	2,230	997	1,286	460	52	457	21
American Indian tribes; not specified	109,644	18,321	836	633	292	66	14	23	10
Alaska Native tribes; specified	89,757	2,337	31	45	11	1	2	-	-
Alaskan Athabascan	14,520	315	2	7	-	-	1	-	-
Aleut	11,941	527	6	12	-	-	1	-	-
Eskimo	45,919	656	15	8	3	-	-	-	-
Tlingit-Haida	14,825	751	7	17	8	1	-	-	-
All other tribes	2,552	88	1	1	-	-	-	-	-
Alaska Native tribes; not specified	6,161	241	10	4	-	-	-	-	-
not specified	511,960	109,969	4,304	3,147	1,909	149	85	53	50

Cells are light blue when share of total tribes exceeds 5% and darker blue when over 10%.

Census 2000 SF1

3 County Study Area

Tribal Affiliation - One or More Races

	US	State	Counties			County Subdivisions			
	United States	California	Fresno County, California	Kern County, California	Tulare County, California	Sierra CCD, Fresno County, California	Isabella CCD, Kern County, California	Lake Johnson CCD, Tulare County, California	Springville e- Woodlake Rivers CCD, Tulare County, California
People who are American Indian and Alaska Native alone or in combination with one or more other races - total tribes tallied for people with one or more tribes; and people with no tribe reported: Total tribes tallied; American Indian tribes; specified	4,230,356	648,200	20,999	18,080	9,565	1,147	754	631	269
People who are American Indian and Alaska Native tribes; not specified	2,852,380	401,788	12,471	11,389	5,834	827	547	527	168
Apache	96,833	21,599	690	544	238	21	22	1	9
Blackfeet	85,750	14,310	234	326	91	12	21	2	7
Cherokee	729,533	97,838	2,791	3,681	1,394	147	200	25	41
Cheyenne	18,204	1,668	43	43	33	-	1	1	1
Chickasaw	38,351	4,145	151	190	84	7	6	1	-
Chippewa	149,669	7,166	116	109	39	14	5	-	2
Choctaw	158,774	21,011	688	1,069	483	41	26	8	18
Colville	9,393	305	4	6	6	-	-	-	-
Comanche	19,376	2,948	104	108	41	9	3	1	2
Cree	7,734	1,268	24	29	18	-	-	-	1
Creek	71,310	5,416	280	245	77	10	2	-	2
Crow	13,394	893	32	16	2	2	1	-	-
Delaware	16,341	1,331	30	23	10	-	-	-	-
Houma	8,713	133	3	3	-	-	-	-	-
Iroquois	80,822	5,975	110	97	22	6	14	1	-
Kiowa	12,242	811	18	29	13	3	-	-	-
Latin American Indians	180,940	63,293	2,536	1,350	963	20	7	-	26
Lumbee	57,868	796	17	27	19	-	-	-	-
Menominee	9,840	319	2	-	9	-	-	-	-
Navajo	298,197	14,348	305	322	79	6	9	4	1
Osage	15,897	2,212	54	59	19	2	4	-	-
Ottawa	10,677	631	8	29	6	1	-	-	-
Paiute	13,532	4,979	102	620	55	3	95	3	6
Pima	11,493	1,772	48	74	30	-	-	-	2
Potawatomi	25,595	2,640	114	107	63	3	2	1	2
Pueblo	74,085	7,552	86	93	54	2	7	4	1
Puget Sound Salish	14,631	611	33	12	2	1	-	-	-
Seminole	27,431	2,855	71	63	48	5	6	-	-
Shoshone	12,026	2,118	36	70	39	-	7	2	1
Sioux	153,360	12,428	202	209	121	7	15	2	5
Tohono O'Odham	20,087	1,909	93	32	22	-	-	-	1
Ute	10,385	993	6	6	14	-	2	-	-
Yakama	10,851	403	11	11	2	1	-	-	-
Yaqui	22,412	7,304	367	239	115	2	6	1	-
Yuman	8,976	2,784	24	12	25	-	-	3	5
All other tribes	357,658	85,024	3,038	1,536	1,598	502	86	467	35
American Indian tribes; not specified	195,902	33,440	1,283	1,143	526	80	37	24	12
Alaska Native tribes; specified	116,915	4,433	57	65	26	1	3	-	-
Alaskan Athabascan	18,838	560	6	13	2	-	1	-	-
Aleut	16,978	995	8	16	-	-	1	-	-
Eskimo	54,761	1,252	25	13	8	-	-	-	-
Tlingit-Haida	22,365	1,393	15	22	16	1	1	-	-
All other tribes	3,973	233	3	1	-	-	-	-	-
Alaska Native tribes; not specified	8,702	497	12	7	8	-	1	-	-
not specified	1,056,457	208,042	7,176	5,476	3,171	239	166	80	89

Cells are light blue when share of total tribes exceeds 5% and darker blue when over 10%.

Census 2000 SF1

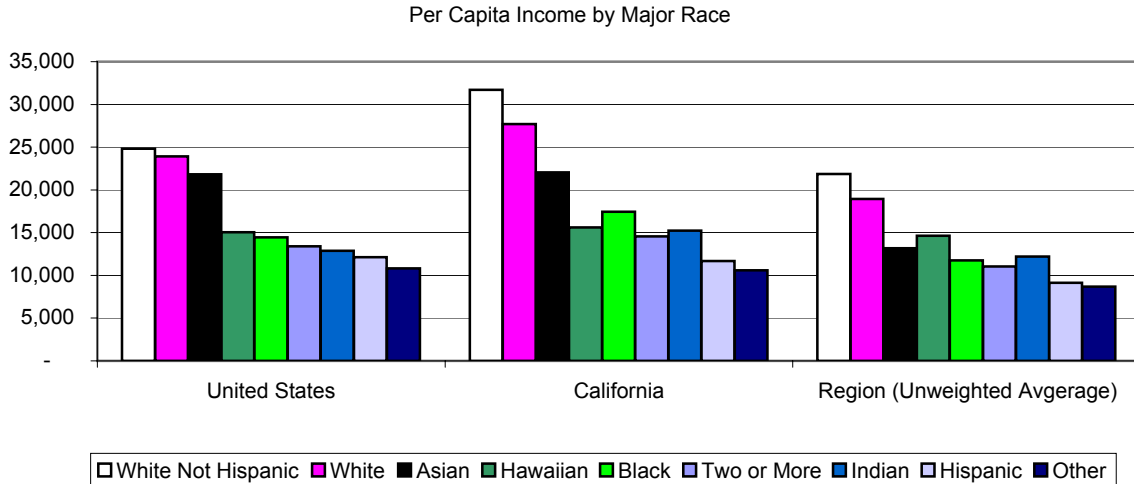
Populaton in American Indian Areas by County

	Total:	White alone	Black or African American alone	American Indian and Alaska Native alone	Asian alone	Native Hawaiian and Other Pacific Islander alone	Some other race alone	Two or more races
Big Sandy Rancheria, CA - Fresno County (part)	98	14	0	77	0	0	0	7
Cold Springs Rancheria, CA - Fresno County (part)	193	3	0	177	0	0	2	11
Table Mountain Rancheria, CA - Fresno County (part)	11	2	0	1	0	0	8	0
Tule River Reservation, CA - Tulare County (part)	566	35	0	495	1	0	27	8

	Not Hispanic or Latino:	Hispanic or Latino:	Median Age
Big Sandy Rancheria, CA - Fresno County (part)	83	15	31.0
Cold Springs Rancheria, CA - Fresno County (part)	160	33	19.8
Table Mountain Rancheria, CA - Fresno County (part)	3	8	23.3
Tule River Reservation, CA - Tulare County (part)	444	122	25.8

Source Census 2000 SF1 Tables 7,8, and 13

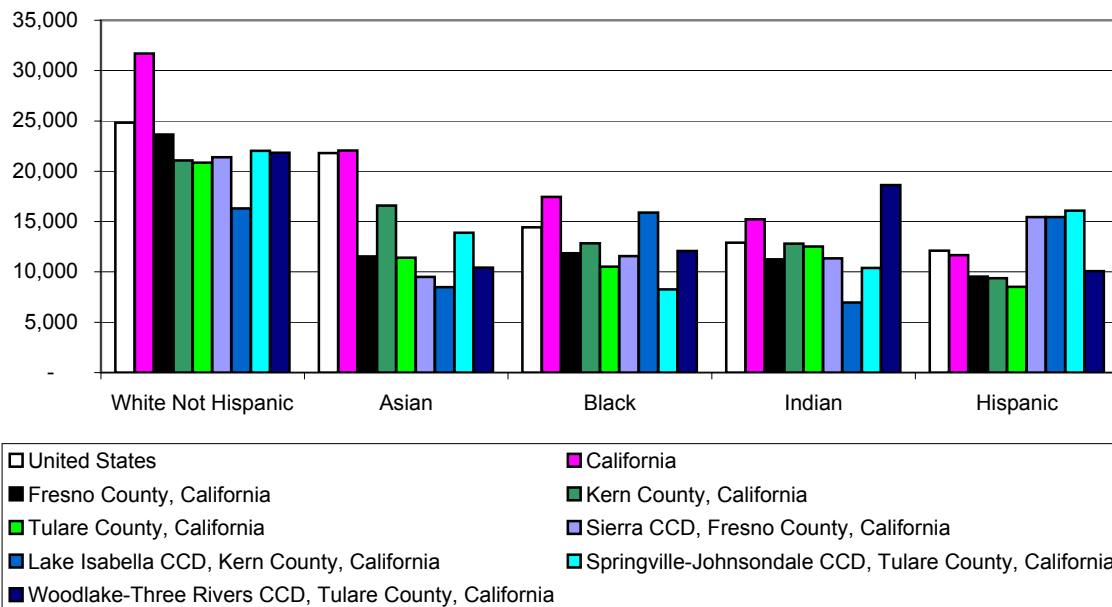
Per Capita Income by Race in the Region



By Geography

- White incomes are pretty consistent in the region, but less than in the state. Lake Isabella is a little lower, perhaps because it has more retirees.
- Hispanics seem to be doing better in the subdivisions closer to the Sequoia NF, sometimes better than in the state.
- This chart highlights differences between the subdivisions near the forest relative to the counties as a whole.

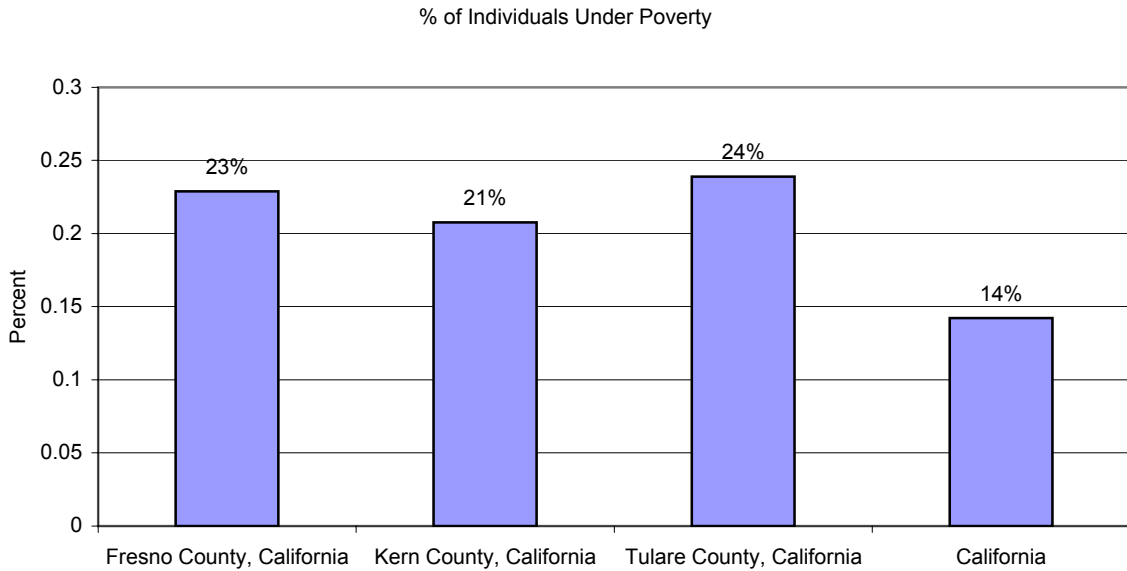
Per Capita Income by Major Race and Geography



Source: BEA SPI 2007 and CBP 2006.

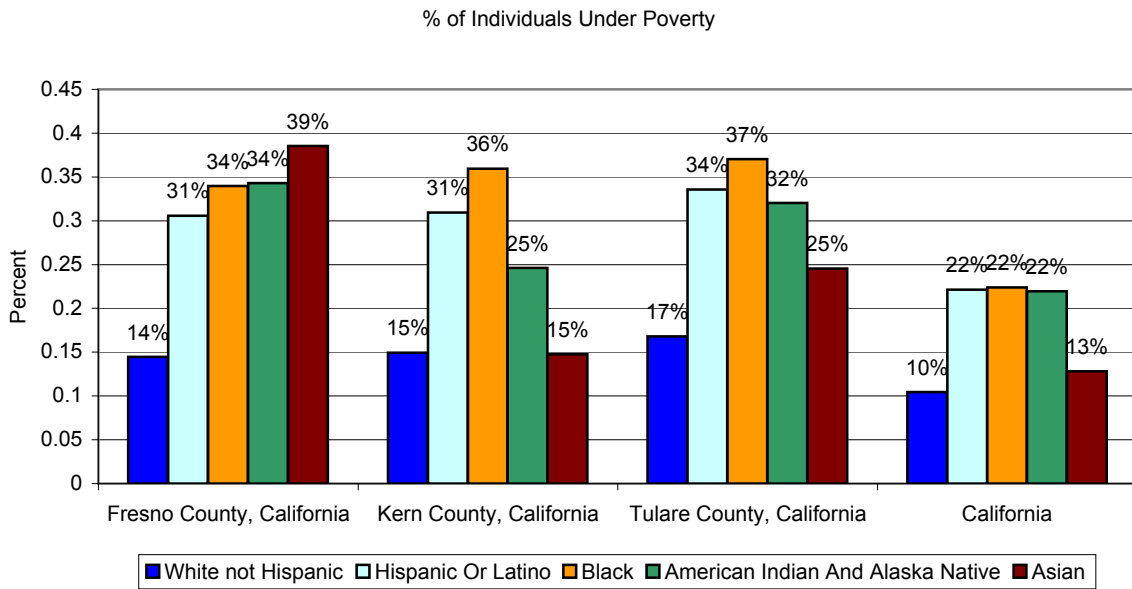
Poverty by County

More Poverty than in state.



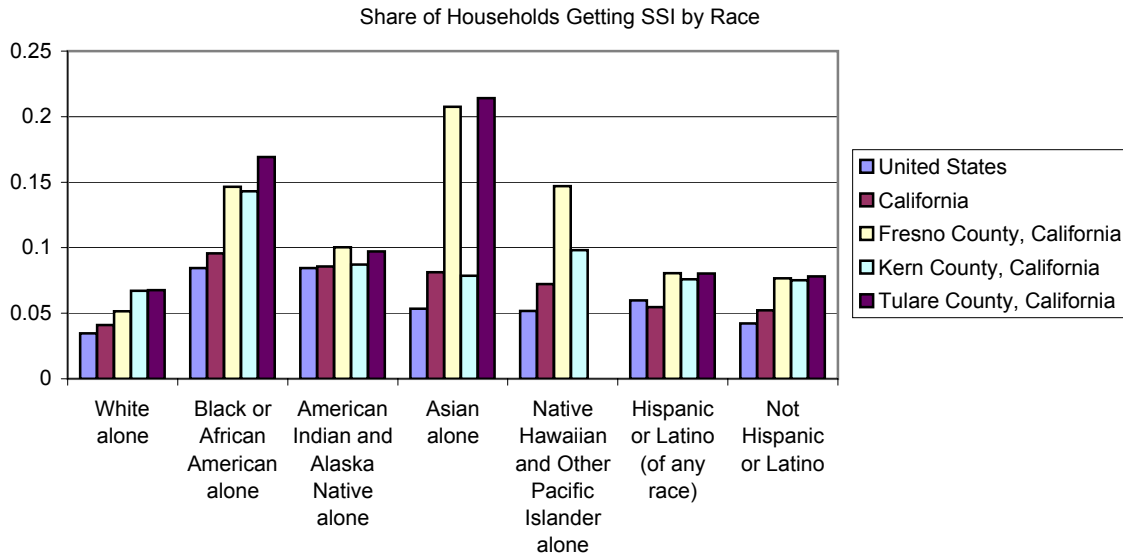
Poverty by Race and County

Poverty rates vary greatly by race.



Source: BEA SPI 2007 and CBP 2006.

% of Households: With Supplemental Security Income (SSI)



Details Including More Races and Ethnicities

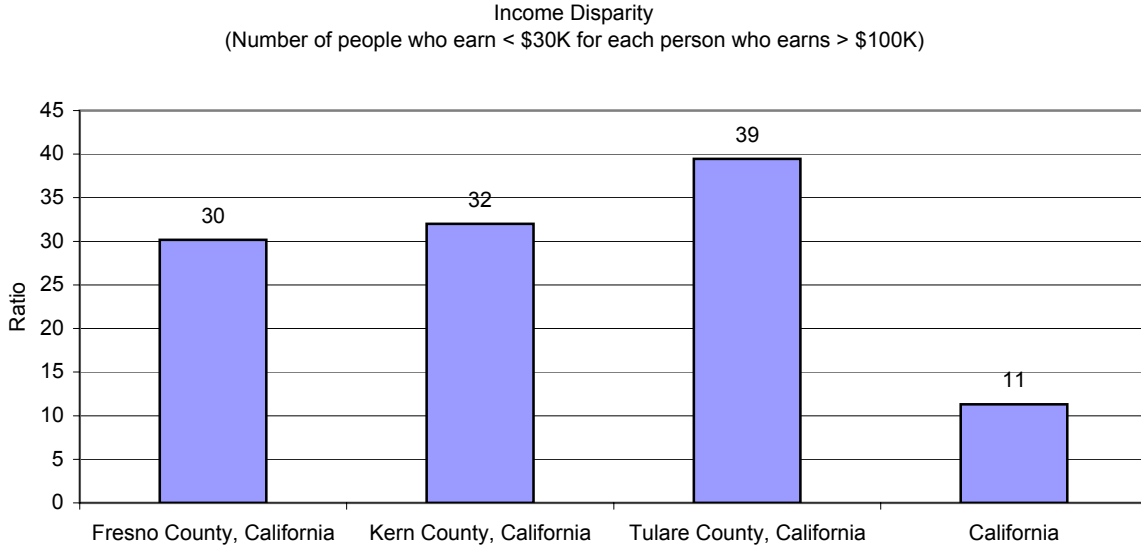
	United States	California	Fresno County, California	Kern County, California	Tulare County, California
Total population	4.4%	5.3%	7.8%	7.5%	7.9%
White alone	3.6%	4.3%	5.9%	6.9%	7.1%
White alone or in combination with on	3.7%	4.4%	6.0%	7.0%	7.2%
Black or African American alone	8.5%	9.6%	14.7%	14.3%	16.9%
Black or African American alone or in	8.4%	9.4%	14.4%	14.7%	15.9%
American Indian and Alaska Native a	8.5%	8.6%	10.0%	8.7%	9.7%
American Indian and Alaska Native a	8.2%	8.7%	12.5%	11.4%	12.7%
Asian alone	5.3%	8.1%	20.7%	7.9%	21.4%
Asian alone or in combination with on	5.2%	7.9%	19.9%	8.0%	19.1%
Native Hawaiian and Other Pacific Isl	5.2%	7.2%	14.7%	9.8%	#VALUE!
Native Hawaiian and Other Pacific Isl	5.3%	6.9%	11.7%	5.9%	0.0%
Some other race alone	5.5%	5.0%	7.6%	7.3%	7.6%
Some other race alone or in combina	5.6%	5.3%	7.7%	7.6%	7.7%
Two or more races	6.4%	6.9%	10.3%	10.4%	9.3%
Hispanic or Latino (of any race)	6.0%	5.5%	8.1%	7.6%	8.0%
Mexican	4.7%	5.3%	8.1%	7.5%	7.8%
Puerto Rican	11.0%	7.5%	9.0%	16.6%	15.5%
Cuban	9.4%	12.3%	#VALUE!	#VALUE!	#VALUE!
Other Hispanic or Latino	5.7%	5.5%	7.8%	7.0%	9.5%
Not Hispanic or Latino	4.2%	5.2%	7.7%	7.5%	7.8%
White alone	3.5%	4.1%	5.1%	6.7%	6.8%

Cells are green when the value exceeds the value for the state by at least 20%, red when it is at least 20% lower than the state. Rows with levels are not color coded because counties are always lower than the state.

Source: Census 2000 SF4 (Values of less than 100 are not disclosed)

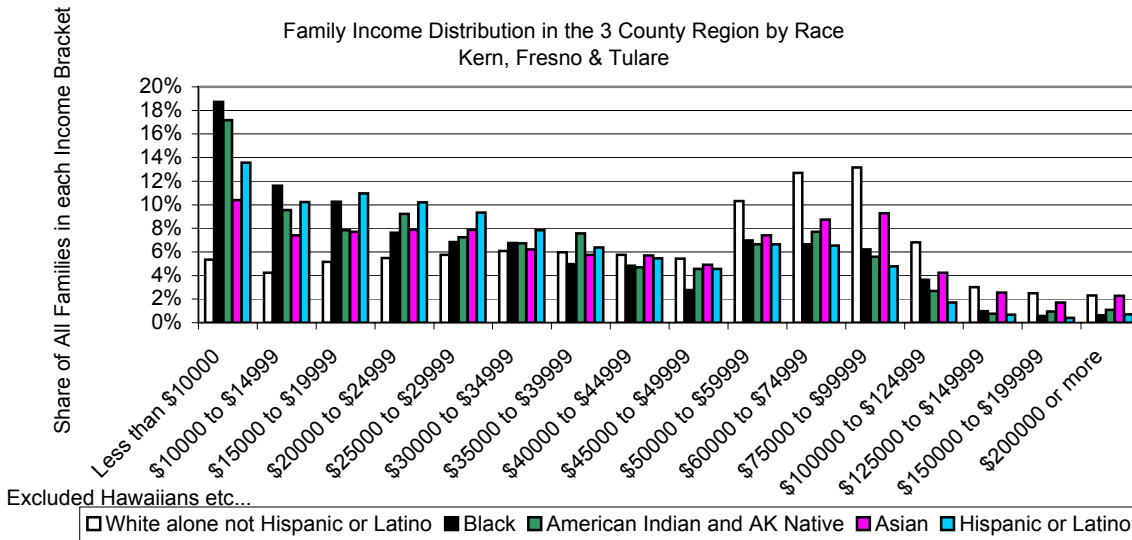
Ratio of Rich to Poor

More disparity than in the state.



Family Income Distribution by Race

- ▲ More Blacks, American Indians, Asians & Hispanics in the poorest brackets
- ▲ For Blacks, American Indians & Hispanics, the most common income bracket is less than \$10,000.
- ▲ More Whites and Asians in the middle classes
- ▲ More Whites and Asians in the richest brackets
- ▲ For whites, the most common incomes are in the middle classes (\$50K-\$100K).



Source: BEA SPI 2007 and CBP 2006.

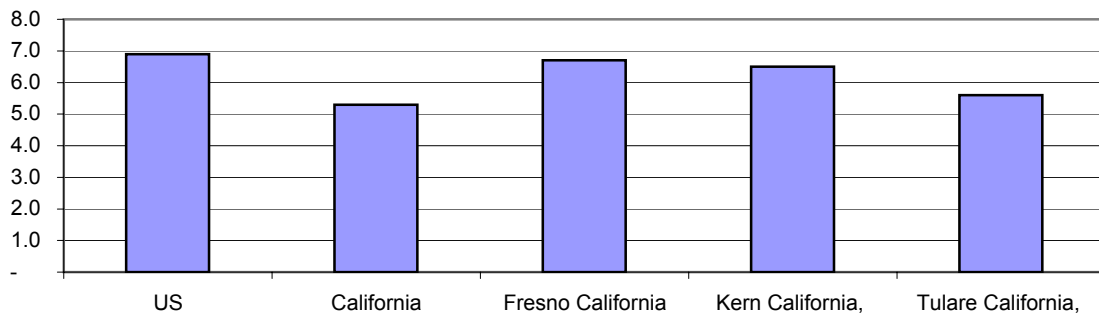
How much of the income disparity is due to less opportunity?

The unemployment rate is higher in the region than in the state and the nation.

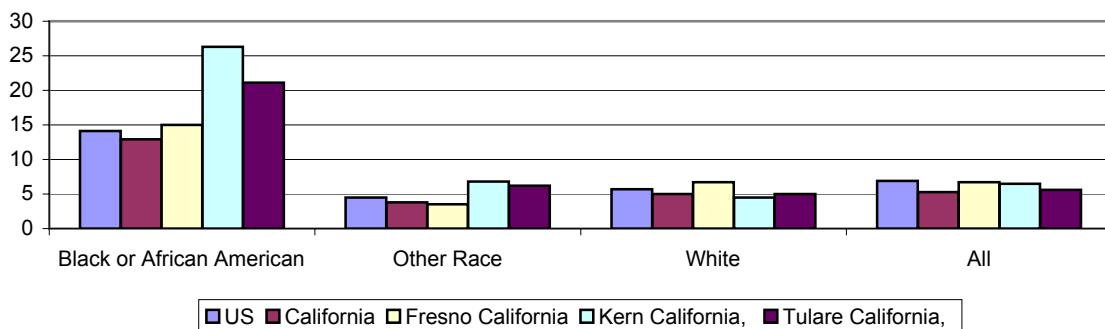
Year	US	California	Fresno California	Kern California,	Tulare California,
1999	7.1	5.4	6.1	7.0	5.0
2000	6.9	5.4	7.2	7.4	6.7
2001	6.8	5.4	5.2	6.7	6.6
2002	7.0	5.5	6.9	6.2	5.7
2003	6.9	5.2	6.6	5.6	5.8
2004	6.8	5.2	8.1	7.1	4.0
2005	6.9	5.3	6.8	5.9	5.3
All Years	6.9	5.3	6.7	6.5	5.6

Race	US	California	Fresno California	Kern California,	Tulare California,
Black or African American	14.1	12.9	15.0 (Unreliable)	26.3	21.1 (Unreliable)
Other Race	4.5	3.8	3.5 (Unreliable)	6.8 (Unreliable)	6.2 (Unreliable)
White	5.7	5.0	6.7	4.5	5.0
All	6.9	5.3	6.7	6.5	5.6

Infant Mortality Rates (99 to 05)



Infant Mortality by Race

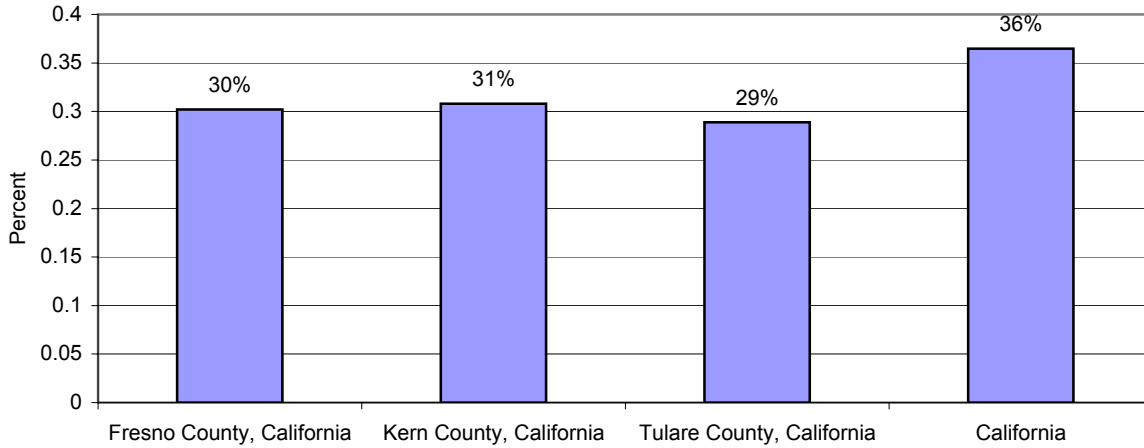


Source: BEA SPI 2007 and CBP 2006.

How much of the income disparity is due to less work?

This could be due to a lack of opportunity, a greater portion of subsistence residents, or relatively few working age people.

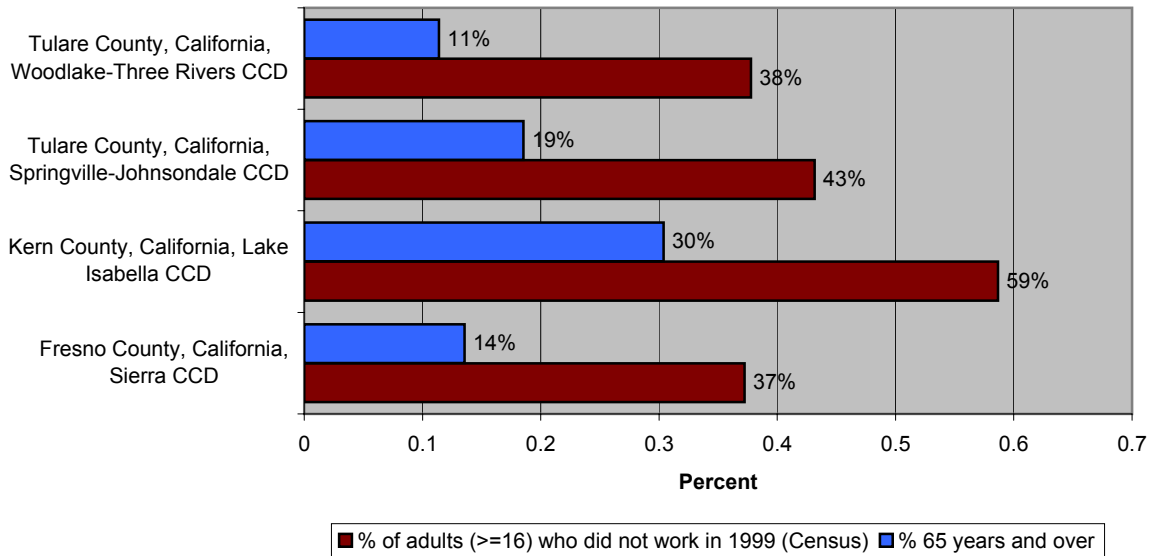
% Of Adults (16+) Who Worked Full-Time, Year Round



How much of the non-working population is because they are retirement age?

This illustrates how many of the non-workers (red bars) are likely not working because they are retirement age (blue bars).

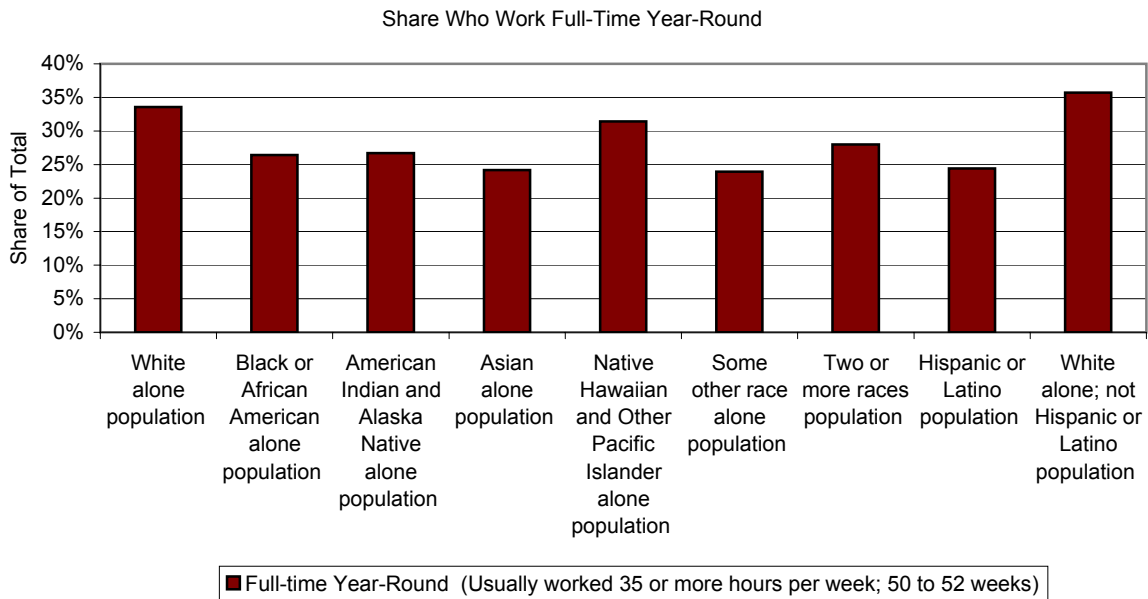
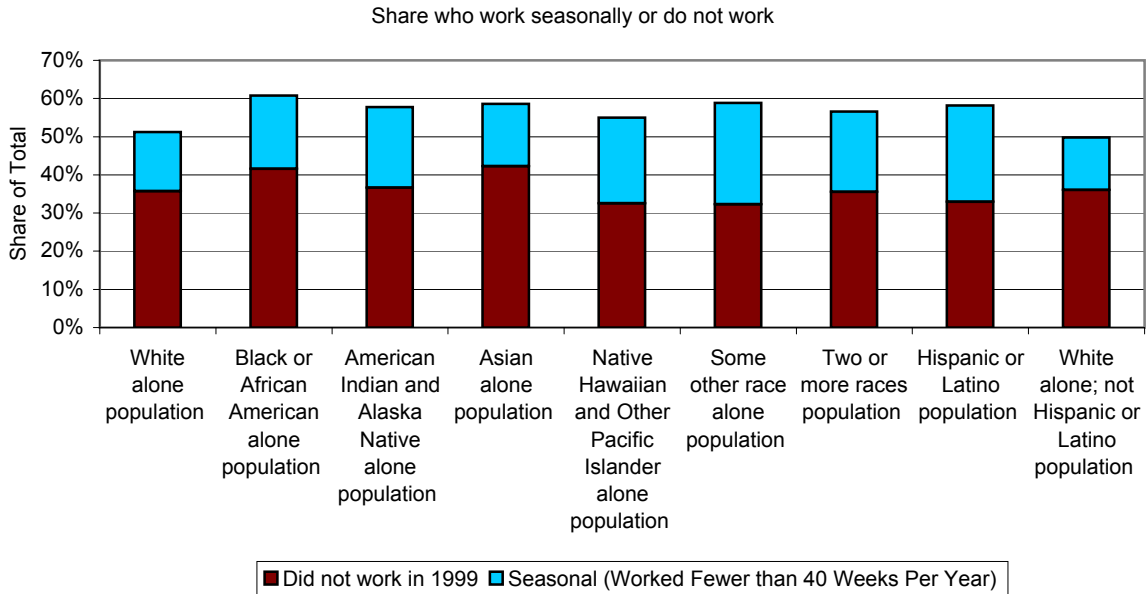
% of adults (>=16) who did not work in 1999 (Census)



Source: BEA SPI 2007 and CBP 2006.

How much of the income disparity is due to less work?

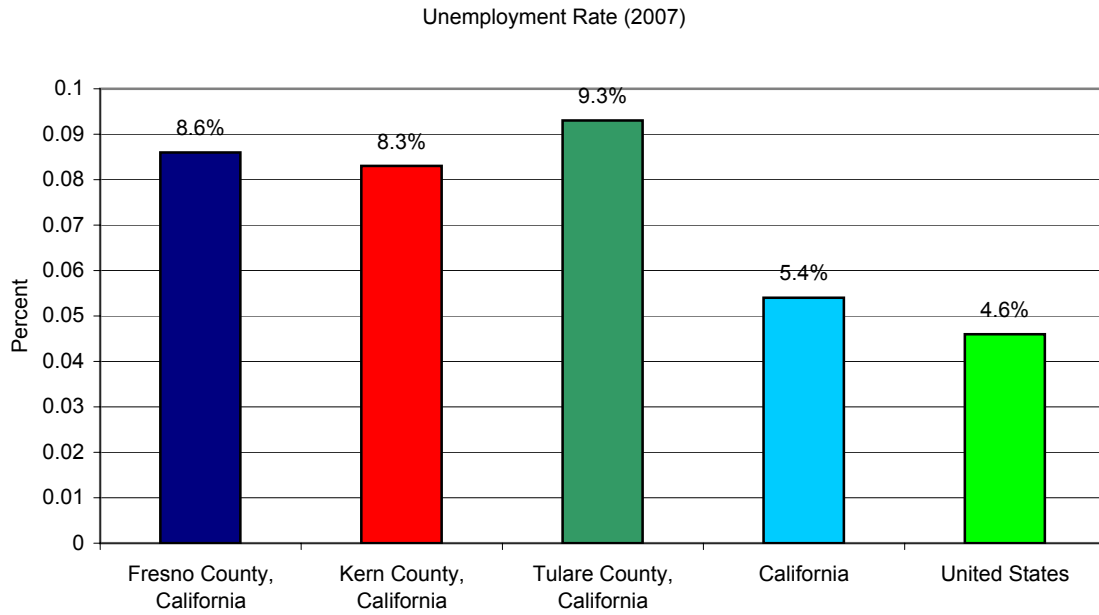
This could be due to a lack of opportunity, a greater portion of subsistence residents, or relatively few working age people.



Source: BEA SPI 2007 and CBP 2006.

How much of the income disparity is due to less opportunity?

The unemployment rate is higher in the region than in the state and the nation.

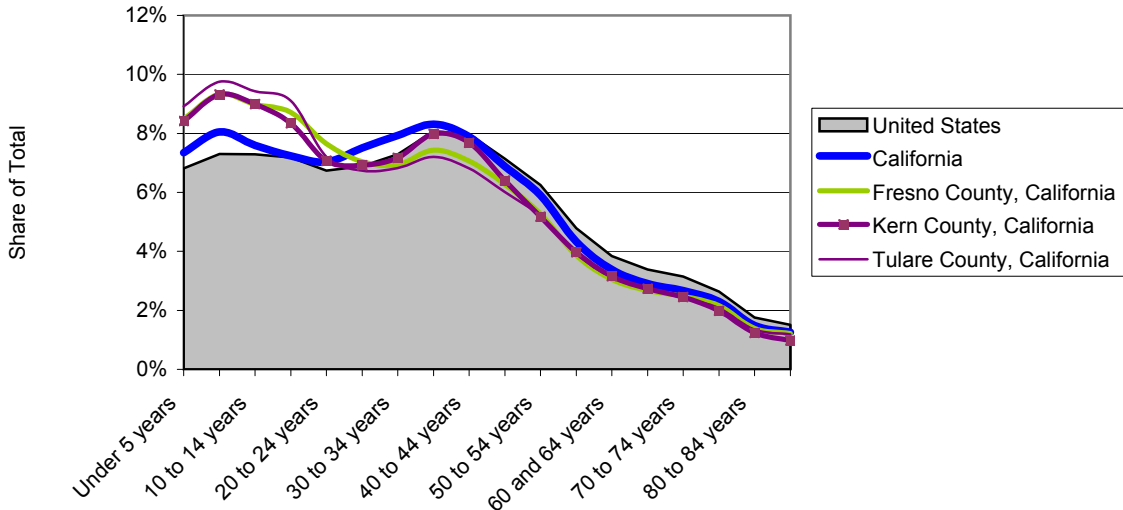


Source: BEA SPI 2007 and CBP 2006.

All Races and Ethnicities by Geography

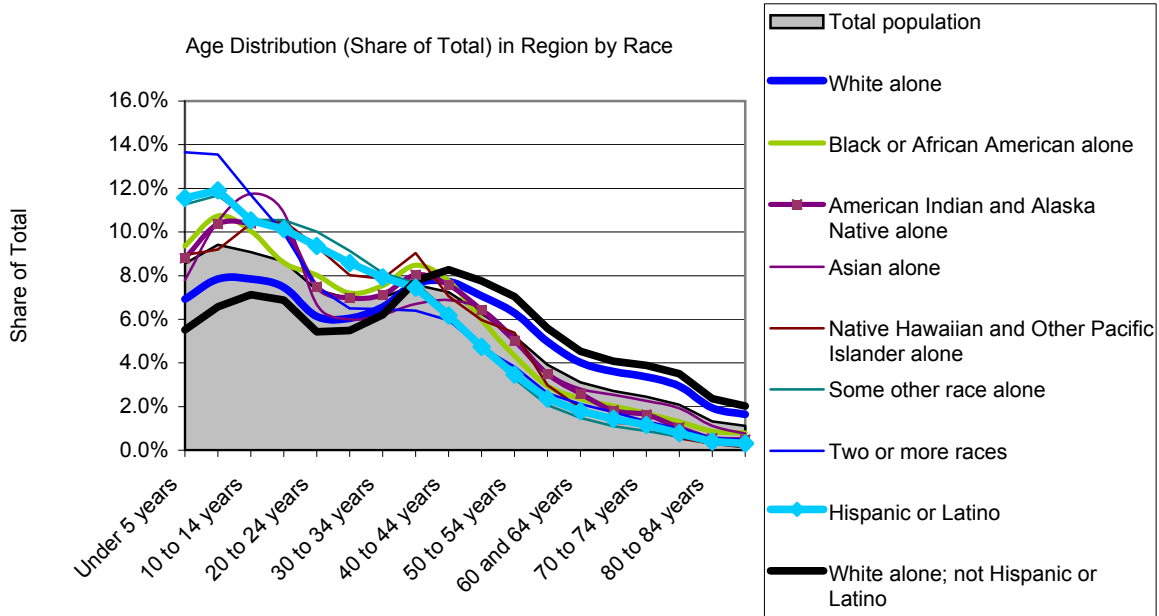
The age distribution of the US is shaded in gray to provide a benchmark.

Age Distribution (Share of Total) by County



Region by Race and Ethnicity

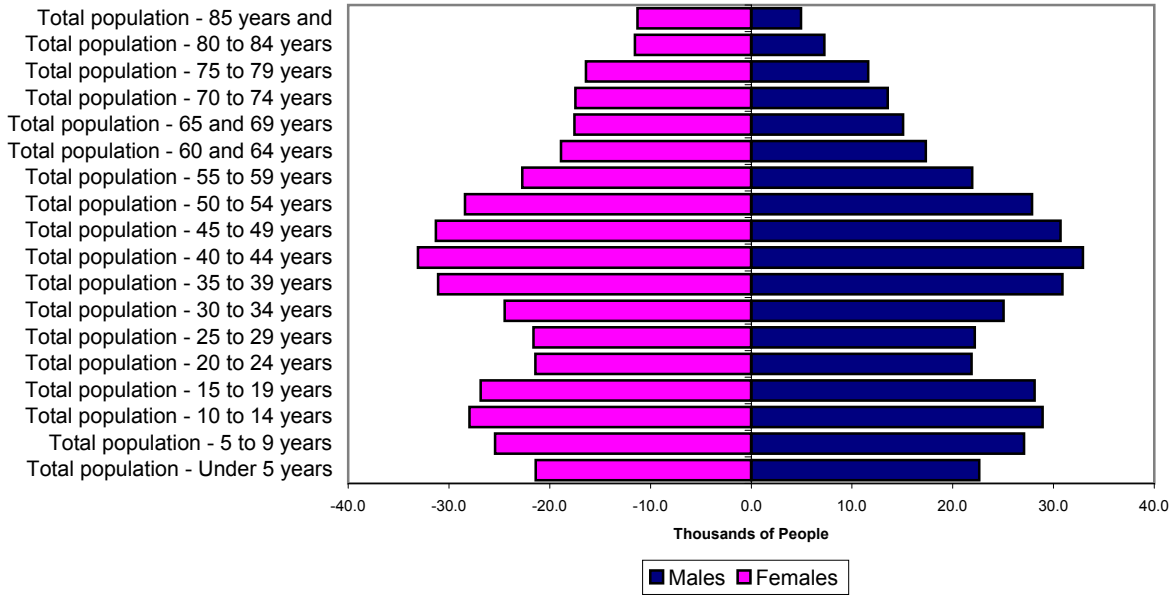
Age Distribution (Share of Total) in Region by Race



Source: BEA SPI 2007 and CBP 2006.

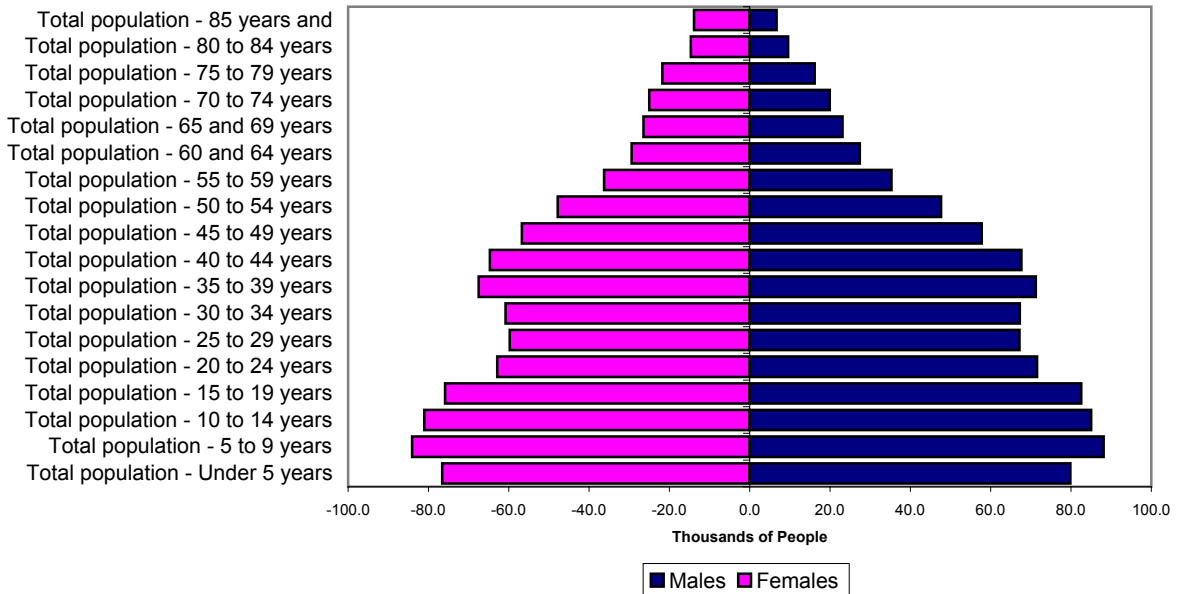
White alone; not Hispanic or Latino population in Region

White alone; not Hispanic or Latino population in Region



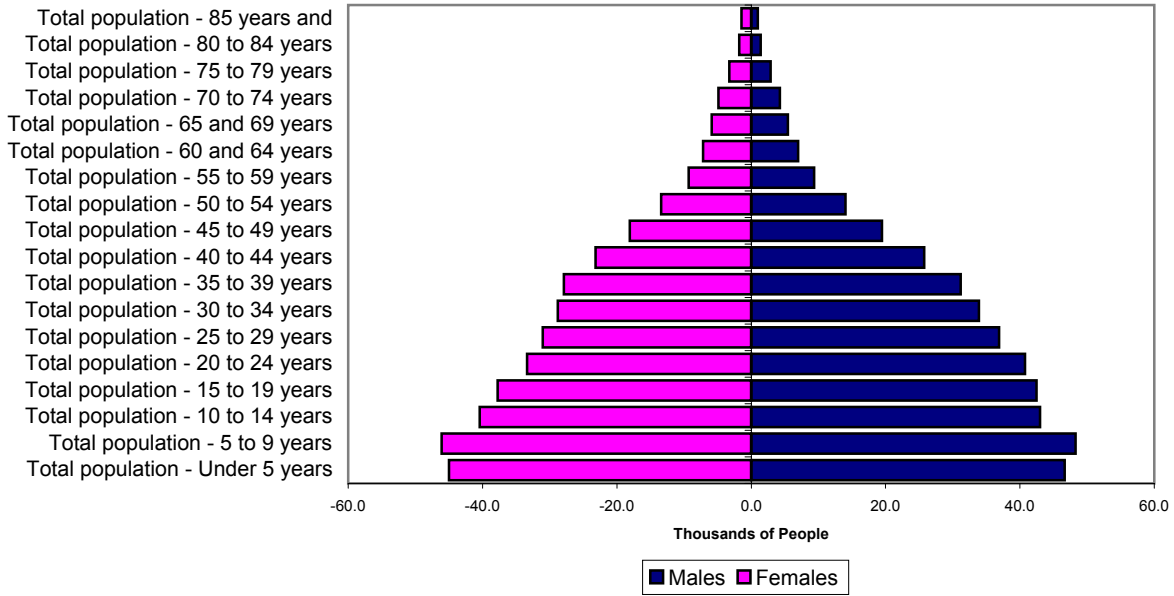
All Races in Region

All Races in Region



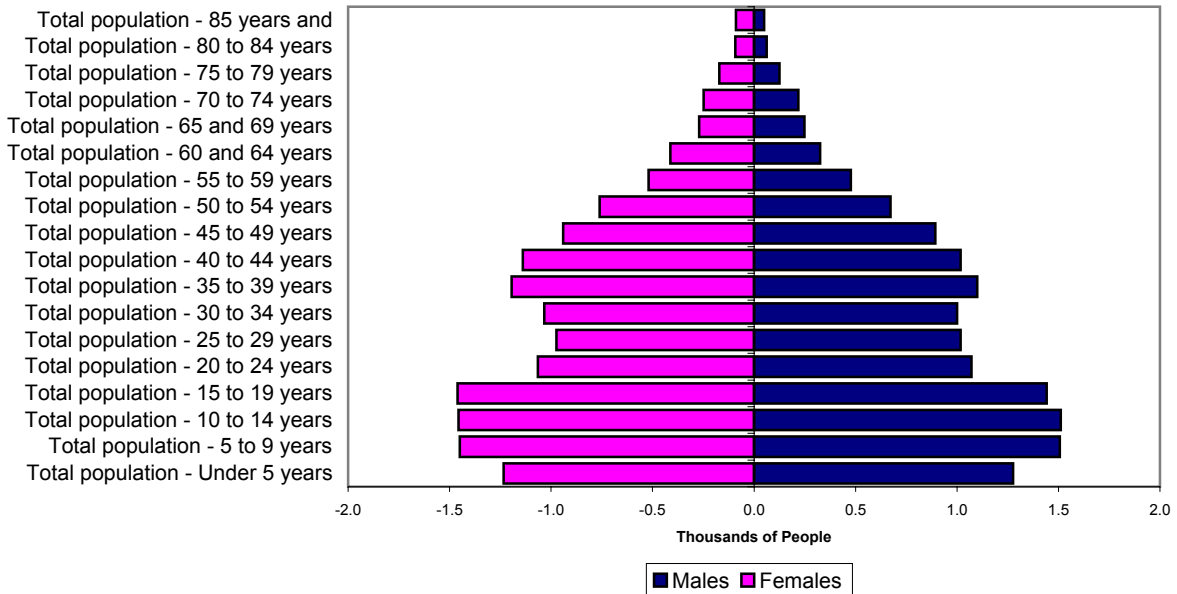
Hispanic or Latino population in Region

Hispanic or Latino population in Region



American Indian and Alaska Native alone population in Region

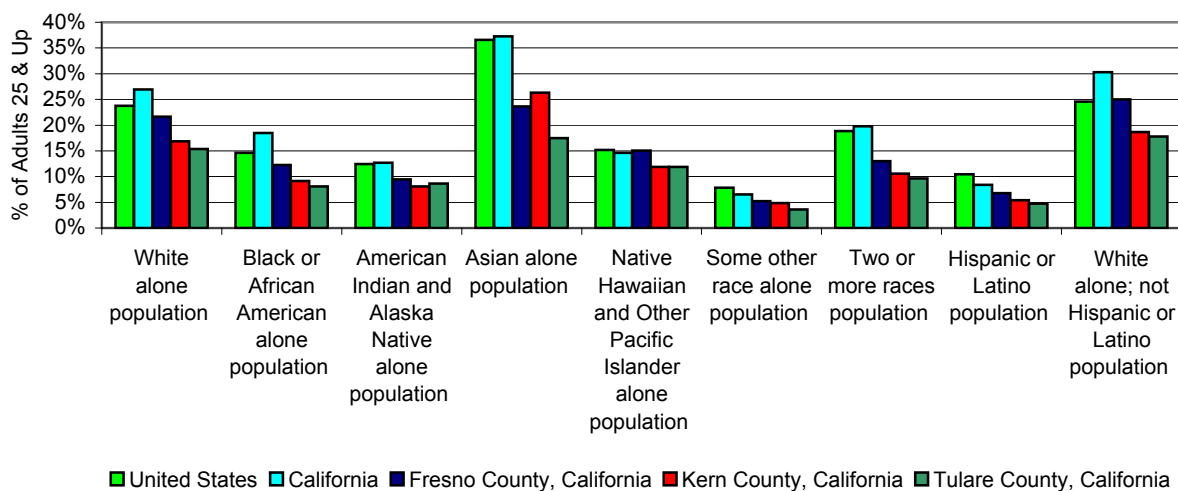
American Indian and Alaska Native alone population in Region



Percent of Adults With a BA or Greater

	United States	California	Fresno County, California	Kern County, California	Tulare County, California
White alone population	24%	27%	21.6%	16.8%	15.4%
Black or African American alone population	15%	18%	12.2%	9.2%	8.1%
American Indian and Alaska Native alone population	12%	13%	9.5%	8.1%	8.7%
Asian alone population	37%	37%	23.6%	26.3%	17.5%
Native Hawaiian and Other Pacific Islander alone po	15%	15%	15.0%	11.9%	11.9%
Some other race alone population	8%	7%	5.2%	4.9%	3.6%
Two or more races population	19%	20%	13.0%	10.6%	9.7%
Hispanic or Latino population	10%	8%	6.8%	5.4%	4.7%
White alone; not Hispanic or Latino population	25%	30%	25.0%	18.7%	17.8%

Percent of Adults With a BA or Greater

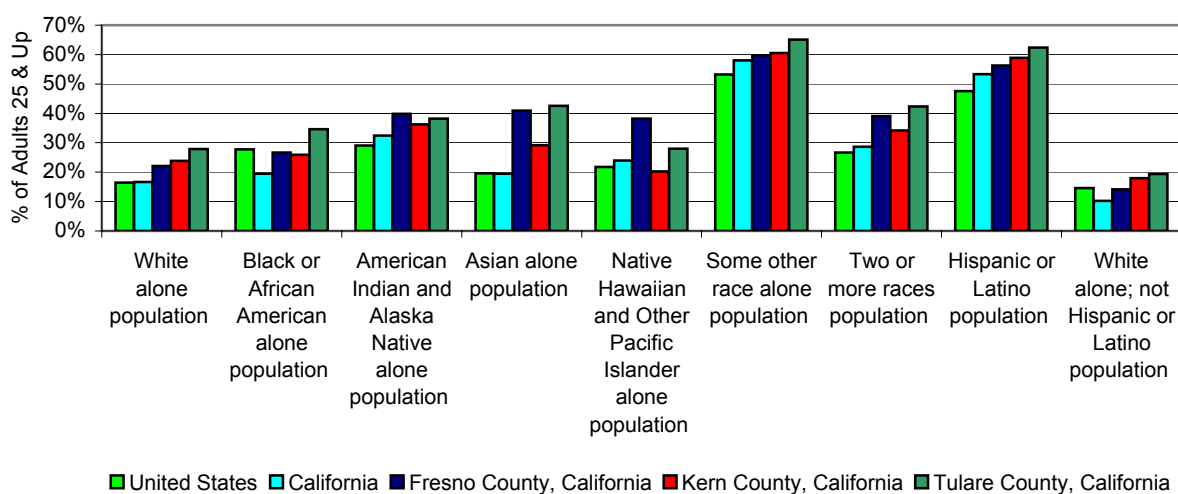


Source: Census 2000 P148A-1

Percent of Adults Without a High School Diploma

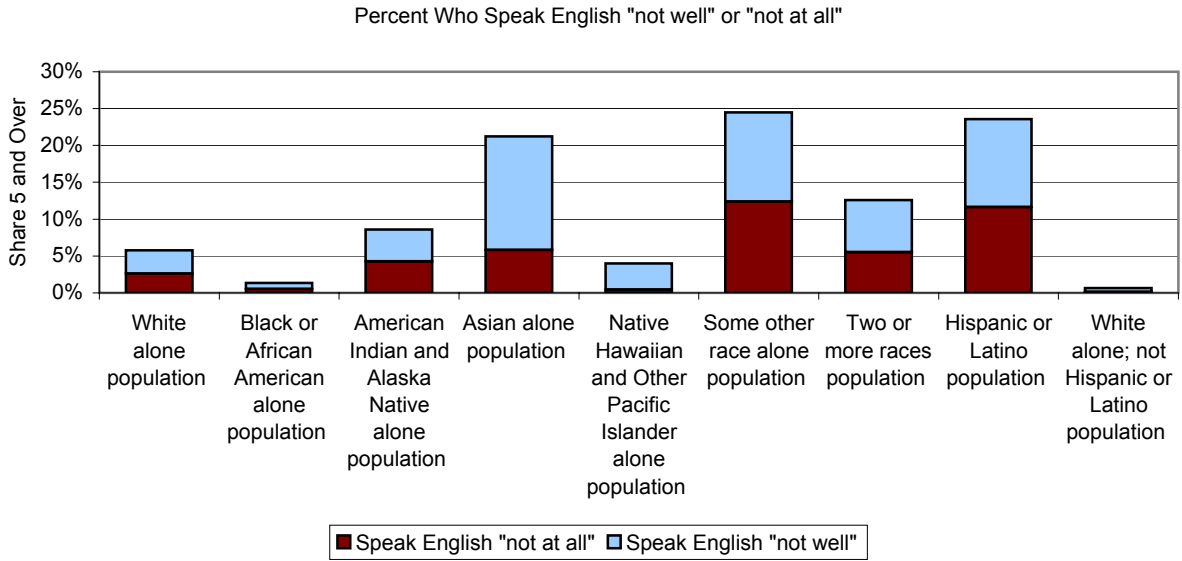
	United States	California	Fresno County, California	Kern County, California	Tulare County, California
White alone population	16%	17%	22.1%	23.8%	27.8%
Black or African American alone population	28%	19%	26.7%	25.9%	34.6%
American Indian and Alaska Native alone population	29%	32%	39.9%	36.2%	38.2%
Asian alone population	20%	19%	40.9%	29.1%	42.6%
Native Hawaiian and Other Pacific Islander alone po	22%	24%	38.2%	20.3%	28.0%
Some other race alone population	53%	58%	59.8%	60.5%	65.1%
Two or more races population	27%	29%	39.1%	34.2%	42.3%
Hispanic or Latino population	48%	53%	56.3%	58.9%	62.4%
White alone; not Hispanic or Latino population	15%	10%	14.2%	18.0%	19.4%

Percent of Adults Without a High School Diploma

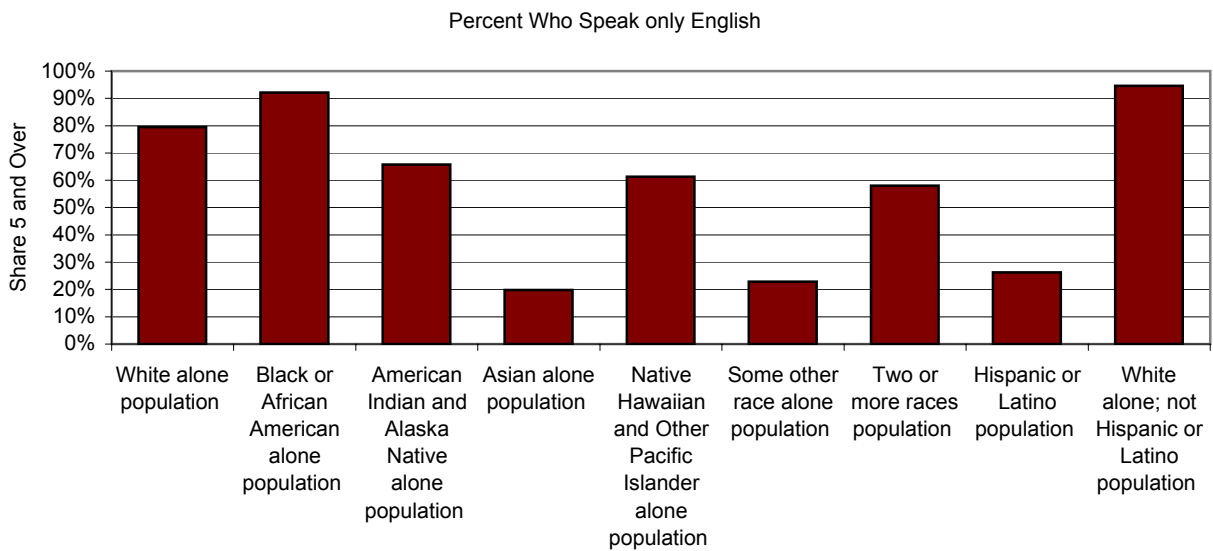


Source: Census 2000 P148A-1

Speak English "not well" or "not at all"

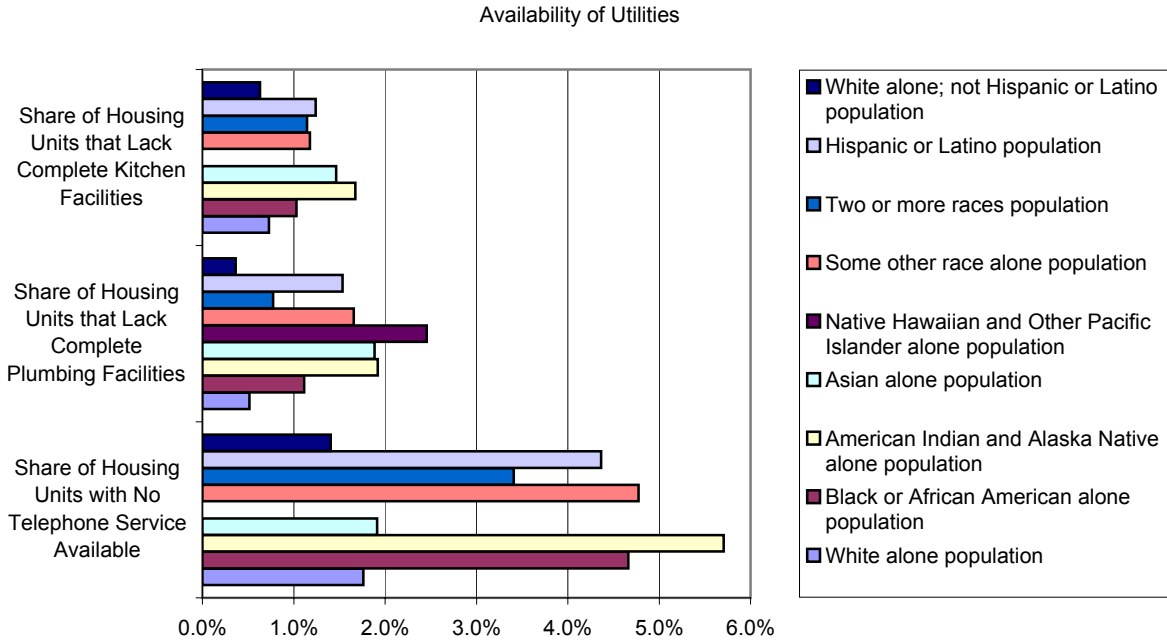


English Only



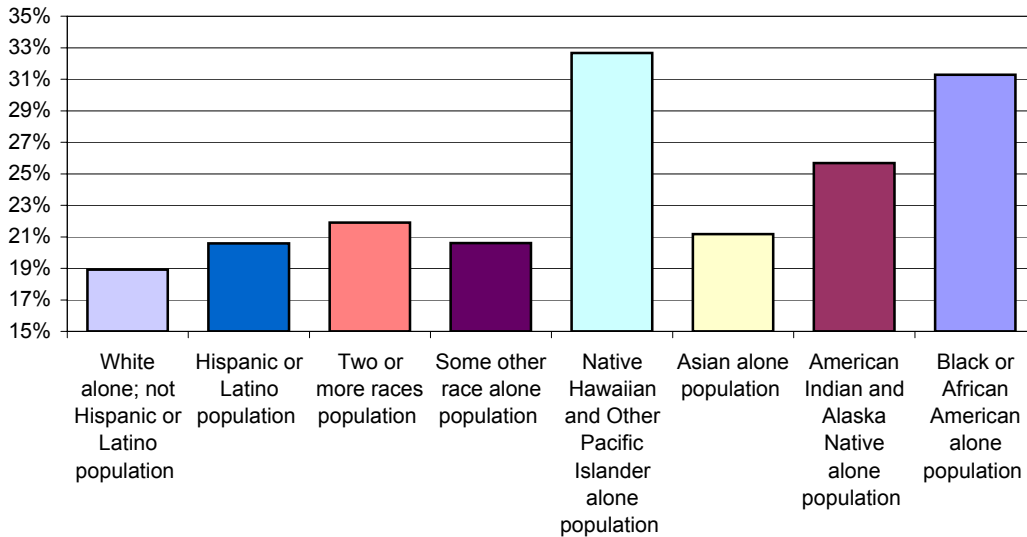
Universe: Population 5 years and over
Source: Census 2000

Availability of Utilities



Renters Under Stress

Share of Specified Renter-Occupied Housing Units Where Gross Rent Accounts for at Least 50% of Household Income



Source: Census 2000 SF3